Southeast ACCUTEST LABORATORIES

01/28/14

Technical Report for

Cameron-Cole, LLC

Wichita Sampling Event; Wichita, KS

5166936

Accutest Job Number: FA9297

Sampling Dates: 10/18/13 - 10/20/13

Report to:

Cameron Cole

kfuller@cameron-cole.com

ATTN: Kate Fuller

Total number of pages in report: **876**

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Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Program and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

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Sample Summary

Cameron-Cole, LLC

Job No: FA9297

Wichita Sampling Event; Wichita, KS
Project No: 5166936

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA9297-1	10/19/13	15:20	JTRM	10/22/13	AQ	Ground Water	SK-1D
FA9297-2	10/19/13	15:50	JTRM	10/22/13	AQ	Ground Water	SK-1S
FA9297-3	10/20/13	15:40	JTRM	10/22/13	AQ	Ground Water	SK-2D
FA9297-4	10/20/13	16:10	JTRM	10/22/13	AQ	Ground Water	SK-2S
FA9297-5	10/20/13	15:00	JTRM	10/22/13	AQ	Ground Water	SK-3D
FA9297-6	10/20/13	15:20	JTRM	10/22/13	AQ	Ground Water	SK-3S
FA9297-7	10/20/13	11:10	JTRM	10/22/13	AQ	Ground Water	SK-4D
FA9297-8	10/20/13	11:30	JTRM	10/22/13	AQ	Ground Water	SK-4S
FA9297-9	10/20/13	16:45	JTRM	10/22/13	AQ	Ground Water	SK-5D
FA9297-10	10/20/13	17:20	JTRM	10/22/13	AQ	Ground Water	SK-5S
FA9297-11	10/19/13	16:10	JTRM	10/22/13	AQ	Ground Water	SK-6S
FA9297-12	10/19/13	10:00	JTRM	10/22/13	AQ	Ground Water	SK-7D
FA9297-13	10/19/13	18:20	JTRM	10/22/13	AQ	Ground Water	SK-8D

Sample Summary
(continued)

Cameron-Cole, LLC

Job No: FA9297

Wichita Sampling Event; Wichita, KS
Project No: 5166936

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA9297-14	10/19/13	16:40	JTRM	10/22/13	AQ	Ground Water	SK-8S
FA9297-15	10/19/13	17:40	JTRM	10/22/13	AQ	Ground Water	SK-9D
FA9297-16	10/19/13	15:05	JTRM	10/22/13	AQ	Ground Water	SK-10S
FA9297-17	10/19/13	14:30	JTRM	10/22/13	AQ	Ground Water	SK-11S
FA9297-18	10/20/13	12:05	JTRM	10/22/13	AQ	Ground Water	SK-12D
FA9297-19	10/20/13	12:25	JTRM	10/22/13	AQ	Ground Water	SK-12S
FA9297-20	10/19/13	14:10	JTRM	10/22/13	AQ	Ground Water	SK-13S
FA9297-21	10/20/13	09:45	JTRM	10/22/13	AQ	Ground Water	SK-B92
FA9297-22	10/20/13	09:30	JTRM	10/22/13	AQ	Ground Water	SK-B68
FA9297-23	10/19/13	10:40	JTRM	10/22/13	AQ	Ground Water	WND-32S
FA9297-24	10/19/13	10:50	JTRM	10/22/13	AQ	Ground Water	WND-32DR
FA9297-25	10/20/13	10:30	JTRM	10/22/13	AQ	Ground Water	HR1-03
FA9297-26	10/19/13	17:00	JTRM	10/22/13	AQ	Ground Water	RSC-1

Sample Summary
(continued)

Cameron-Cole, LLC

Job No: FA9297

Wichita Sampling Event; Wichita, KS
Project No: 5166936

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA9297-27	10/19/13	10:52	JTRM	10/22/13	AQ	Ground Water	MW-10
FA9297-28	10/19/13	18:00	JTRM	10/22/13	AQ	Ground Water	MW-11
FA9297-29	10/19/13	09:45	JTRM	10/22/13	AQ	Ground Water	MW-14
FA9297-30	10/19/13	12:10	JTRM	10/22/13	AQ	Ground Water	MW-15
FA9297-31	10/19/13	12:30	JTRM	10/22/13	AQ	Ground Water	MW-18
FA9297-32	10/18/13	12:45	JTRM	10/22/13	AQ	Ground Water	SR-SW-1
FA9297-33	10/18/13	13:00	JTRM	10/22/13	AQ	Ground Water	SR-SW-2
FA9297-34	10/18/13	13:15	JTRM	10/22/13	AQ	Ground Water	SR-SW-3
FA9297-35	10/18/13	13:30	JTRM	10/22/13	AQ	Ground Water	SR-SW-4
FA9297-36	10/18/13	13:45	JTRM	10/22/13	AQ	Ground Water	SR-SW-5
FA9297-37	10/19/13	12:00	JTRM	10/22/13	AQ	Ground Water	DUP-1
FA9297-38	10/20/13	12:00	JTRM	10/22/13	AQ	Ground Water	DUP-2
FA9297-39	10/19/13	10:05	JTRM	10/22/13	AQ	Field Blank Water	FB-1

Sample Summary
(continued)

Cameron-Cole, LLC

Job No: FA9297

Wichita Sampling Event; Wichita, KS
Project No: 5166936

Sample Number	Collected Date	Time	By	Received	Matrix Code	Type	Client Sample ID
FA9297-40	10/20/13	10:35	JTRM	10/22/13	AQ	Field Blank Water	FB-2
FA9297-41	10/18/13	00:00	JTRM	10/22/13	AQ	Trip Blank Water	TRIP BLANK

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Cameron-Cole, LLC **Job No:** FA9297

Site: Wichita Sampling Event; Wichita, KS **Report Date:** 11/4/2013 6:20:21 PM

38 Sample(s), 1 Trip Blank(s) and 2 Field Blank(s) were collected on/between 10/18/2013 and 10/20/2013 and were received at Accutest SE on 10/22/2013 properly preserved, at 2.7 Deg. C and intact. These Samples received an Accutest job number of FA9297. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS By Method SW846 8260B

Matrix: AQ **Batch ID:** VI196

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA9241-2MS, FA9241-2MSD were used as the QC samples indicated.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix: AQ **Batch ID:** VI197

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA9397-10MS, FA9397-10MSD were used as the QC samples indicated.

Matrix: AQ **Batch ID:** VO791

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA9297-4MS, FA9297-4MSD were used as the QC samples indicated.

Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether, Carbon disulfide are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.
Matrix Spike Recovery(s)/Matrix Spike Duplicate Recovery(s) for Tetrachloroethylene are outside control limits. Outside control limits due to high level in sample relative to spike amount. For method performance in a clean matrix, refer to Blank Spike.

FA9297-37 for Methylene chloride: Suspected laboratory contaminant.

Matrix: AQ **Batch ID:** VO792

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Sample(s) FA9297-8MS, FA9297-8MSD were used as the QC samples indicated.

Matrix Spike Recovery(s) for 2-Chloroethyl vinyl ether, Carbon disulfide, Dichlorodifluoromethane are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

Matrix Spike Duplicate Recovery(s) for 2-Chloroethyl vinyl ether, Carbon disulfide are outside control limits. Probable cause is due to matrix interference. For method performance in a clean matrix, refer to Blank Spike.

FA9297-26: Sample vial(s) contained significant headspace; reported results are considered minimum values.

FA9297-38 for Methylene chloride: Suspected laboratory contaminant.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

_____ Date: November 4, 2013

Kim Benham, Client Services (signature on file)

Manual Integration Summary

Lab Sample ID	Analysis Type	File ID	Manual Integrations
FA9241-2MS	MSVOA	I15275.D	1,1,2,2-Tetrachloroethane, Ethyl Alcohol, Hexane, Methyl Acetate
FA9241-2MSD	MSVOA	I15276.D	Ethyl Alcohol, Hexane, Methyl Acetate, Trichlorofluoromethane
FA9297-13	MSVOA	I15262.D	Trichlorofluoromethane
FA9297-4MS	MSVOA	O19887.D	Hexane
FA9297-4MSD	MSVOA	O19888.D	Hexane
FA9297-5	MSVOA	O19908.D	n-Propylbenzene
FA9297-8MS	MSVOA	O19917.D	Hexane
FA9297-8MSD	MSVOA	O19918.D	Hexane
FA9397-10MS	MSVOA	I15291.D	Ethyl Alcohol, Hexane, Methyl Acetate, Trichlorofluoromethane
FA9397-10MSD	MSVOA	I15292.D	1,1,2,2-Tetrachloroethane, Ethyl Alcohol, Hexane, Methyl Acetate, Trichlorofluoromethane
VI195-IC195	MSVOA	I15239.D	1,2-Dibromo-3-chloropropane, 1,4-Dioxane, Acetone, Benzyl Chloride, Cyclohexanone, Ethyl Acetate, Ethyl Alcohol, Methyl Acetate, Methyl ethyl ketone, Trans-1,4-Dichloro-2-Butene,
VI195-IC195	MSVOA	I15240.D	Ethyl Alcohol, Hexane, Methyl Acetate
VI195-IC195	MSVOA	I15241.D	1,1,2,2-Tetrachloroethane, Ethyl Alcohol, Hexane, Methyl Acetate, Trichlorofluoromethane
VI195-IC195	MSVOA	I15243.D	1,1,2,2-Tetrachloroethane, cis-1,3-Dichloropropene, Ethyl Alcohol, Hexane, Methyl Acetate,
VI195-IC195	MSVOA	I15244.D	1,1,2,2-Tetrachloroethane, cis-1,3-Dichloropropene, Hexane, Methyl Acetate, Trichlorofluoromethane
VI195-ICC195	MSVOA	I15242.D	1,1,2,2-Tetrachloroethane, Ethyl Alcohol, Hexane, Methyl Acetate, Trichlorofluoromethane
VI195-ICV195	MSVOA	I15246.D	1,1,2,2-Tetrachloroethane, Ethyl Alcohol, Hexane, Methyl Acetate, Trichlorofluoromethane
VI195-ICV195	MSVOA	I15249.D	1,1,2,2-Tetrachloroethane, Ethyl Alcohol, Hexane, Methyl Acetate, Trichlorofluoromethane
VI196-BS	MSVOA	I15253.D	Ethyl Alcohol, Hexane, Methyl Acetate, Methyl ethyl ketone,
VI196-CC195	MSVOA	I15252.D	1,1,2,2-Tetrachloroethane, cis-1,3-Dichloropropene, Ethyl Alcohol, Hexane, Methyl Acetate, Methyl ethyl ketone, Trichlorofluoromethane
VI197-BS	MSVOA	I15279.D	1,1,2,2-Tetrachloroethane, Ethyl Alcohol, Hexane, Methyl Acetate, Trichlorofluoromethane
VI197-CC195	MSVOA	I15278.D	Ethyl Alcohol, Hexane, Methyl Acetate, Trichlorofluoromethane
VO791-BS	MSVOA	O19865.D	Acetonitrile, Hexane
VO791-CC791	MSVOA	O19864.D	Hexane
VO791-IC791	MSVOA	O19855.D	Ethyl Alcohol
VO791-IC791	MSVOA	O19856.D	Ethyl Alcohol, Hexane
VO791-IC791	MSVOA	O19857.D	Hexane
VO791-IC791	MSVOA	O19859.D	Hexane
VO791-IC791	MSVOA	O19860.D	Acetonitrile, Hexane
VO791-ICC791	MSVOA	O19858.D	Hexane
VO791-ICV791	MSVOA	O19862.D	Hexane
VO792-BS	MSVOA	O19894.D	Hexane
VO792-CC791	MSVOA	O19893.D	Hexane

33 Manual Integrations were found for FA9297

Summary of Hits

Job Number: FA9297
Account: Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Collected: 10/18/13 thru 10/20/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA9297-1	**SK-1D**					
1,1-Dichloroethylene		0.31 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		8.9	1.0	0.24	ug/l	SW846 8260B
Trichloroethylene		131	5.0	1.6	ug/l	SW846 8260B
Trichlorofluoromethane		1.2 J	2.0	0.50	ug/l	SW846 8260B
FA9297-2	**SK-1S**					
1,1-Dichloroethylene		0.26 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		6.8	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		4.9	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		87.0	1.0	0.31	ug/l	SW846 8260B
Trichlorofluoromethane		0.65 J	2.0	0.50	ug/l	SW846 8260B
FA9297-3	**SK-2D**					
1,1-Dichloroethylene		0.56 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		12.6	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		2.0	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		48.6	1.0	0.31	ug/l	SW846 8260B
FA9297-4	**SK-2S**					
1,1-Dichloroethane		5.4	5.0	1.1	ug/l	SW846 8260B
1,1-Dichloroethylene		2.0 J	5.0	1.0	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		265	5.0	1.2	ug/l	SW846 8260B
trans-1,2-Dichloroethylene		2.0 J	5.0	1.1	ug/l	SW846 8260B
1,1,1-Trichloroethane		19.4	5.0	1.0	ug/l	SW846 8260B
Tetrachloroethylene		448	5.0	1.6	ug/l	SW846 8260B
Trichloroethylene		129	5.0	1.6	ug/l	SW846 8260B
FA9297-5	**SK-3D**					
Benzene		0.23 J	1.0	0.21	ug/l	SW846 8260B
Chloroform		0.69 J	1.0	0.26	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		3.9	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		2.4	1.0	0.29	ug/l	SW846 8260B
n-Propylbenzene		0.31 J	1.0	0.23	ug/l	SW846 8260B
1,1,1-Trichloroethane		0.30 J	1.0	0.20	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		9.6	2.0	0.20	ug/l	SW846 8260B
1,3,5-Trimethylbenzene		4.8	2.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		3.3	1.0	0.32	ug/l	SW846 8260B
Toluene		1.0	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		13.4	1.0	0.31	ug/l	SW846 8260B

Summary of Hits

Job Number: FA9297
Account: Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Collected: 10/18/13 thru 10/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
m,p-Xylene		31.3	2.0	0.30	ug/l	SW846 8260B
o-Xylene		10.6	1.0	0.20	ug/l	SW846 8260B
FA9297-6	**SK-3S**					
Chlorobenzene		0.30 J	1.0	0.20	ug/l	SW846 8260B
1,1-Dichloroethylene		0.28 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		5.0	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		1.1	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		23.0	1.0	0.31	ug/l	SW846 8260B
FA9297-7	**SK-4D**					
Benzene		1.2	1.0	0.21	ug/l	SW846 8260B
Chlorobenzene		0.30 J	1.0	0.20	ug/l	SW846 8260B
1,1-Dichloroethylene		0.36 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		7.6	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		1.2	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		26.4	1.0	0.31	ug/l	SW846 8260B
FA9297-8	**SK-4S**					
Chloroform		0.28 J	1.0	0.26	ug/l	SW846 8260B
1,1-Dichloroethylene		0.23 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		9.5	1.0	0.24	ug/l	SW846 8260B
1,1,1-Trichloroethane		0.42 J	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		42.6	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		7.0	1.0	0.31	ug/l	SW846 8260B
FA9297-9	**SK-5D**					
1,1-Dichloroethylene		0.44 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		8.0	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		1.7	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		38.1	1.0	0.31	ug/l	SW846 8260B
FA9297-10	**SK-5S**					
sec-Butylbenzene		0.45 J	1.0	0.21	ug/l	SW846 8260B
tert-Butylbenzene		0.35 J	1.0	0.29	ug/l	SW846 8260B
1,1-Dichloroethane		0.65 J	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene		0.35 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		25.9	1.0	0.24	ug/l	SW846 8260B
trans-1,2-Dichloroethylene		0.47 J	1.0	0.23	ug/l	SW846 8260B
Isopropylbenzene		0.36 J	1.0	0.20	ug/l	SW846 8260B

Summary of Hits

Job Number: FA9297
Account: Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Collected: 10/18/13 thru 10/20/13

3

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
n-Propylbenzene		0.40 J	1.0	0.23	ug/l	SW846 8260B
1,1,1-Trichloroethane		1.3	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		47.8	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		12.3	1.0	0.31	ug/l	SW846 8260B
FA9297-11	**SK-6S**					
Benzene		0.35 J	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethane		3.5	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene		0.58 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		8.6	1.0	0.24	ug/l	SW846 8260B
1,1,1-Trichloroethane		5.1	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		1.4	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		2.7	1.0	0.31	ug/l	SW846 8260B
FA9297-12	**SK-7D**					
1,1-Dichloroethylene		0.36 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		7.1	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		1.3	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		31.4	1.0	0.31	ug/l	SW846 8260B
FA9297-13	**SK-8D**					
1,1-Dichloroethane		0.24 J	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene		0.34 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		34.2	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		4.2	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		132	5.0	1.6	ug/l	SW846 8260B
FA9297-14	**SK-8S**					
tert-Butylbenzene		0.42 J	1.0	0.29	ug/l	SW846 8260B
1,1-Dichloroethylene		0.39 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		14.9	1.0	0.24	ug/l	SW846 8260B
Trichloroethylene		5.2	1.0	0.31	ug/l	SW846 8260B
FA9297-15	**SK-9D**					
1,1-Dichloroethylene		0.25 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		4.5	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		0.90 J	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		18.9	1.0	0.31	ug/l	SW846 8260B

Summary of Hits

Job Number: FA9297
Account: Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Collected: 10/18/13 thru 10/20/13

Lab Sample ID Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA9297-16	**SK-10S**					
Benzene		0.72 J	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethane		0.79 J	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene		0.37 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		12.3	1.0	0.24	ug/l	SW846 8260B
trans-1,2-Dichloroethylene		1.2	1.0	0.23	ug/l	SW846 8260B
Tetrachloroethylene		2.3	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		0.74 J	1.0	0.31	ug/l	SW846 8260B
Vinyl chloride		2.7	1.0	0.44	ug/l	SW846 8260B
FA9297-17	**SK-11S**					
Benzene		0.34 J	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethane		3.8	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene		1.6	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		115	5.0	1.2	ug/l	SW846 8260B
trans-1,2-Dichloroethylene		0.86 J	1.0	0.23	ug/l	SW846 8260B
1,1,1-Trichloroethane		13.4	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		17.8	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		40.5	1.0	0.31	ug/l	SW846 8260B
Vinyl chloride		9.2	1.0	0.44	ug/l	SW846 8260B
o-Xylene		0.64 J	1.0	0.20	ug/l	SW846 8260B
FA9297-18	**SK-12D**					
1,1-Dichloroethylene		0.40 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		6.8	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		1.5	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		31.2	1.0	0.31	ug/l	SW846 8260B
FA9297-19	**SK-12S**					
Chloroform		0.42 J	1.0	0.26	ug/l	SW846 8260B
1,1-Dichloroethane		0.42 J	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene		0.43 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		17.8	1.0	0.24	ug/l	SW846 8260B
1,1,1-Trichloroethane		3.3	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		84.1	2.0	0.64	ug/l	SW846 8260B
Trichloroethylene		32.6	1.0	0.31	ug/l	SW846 8260B
FA9297-20	**SK-13S**					
cis-1,2-Dichloroethylene		0.83 J	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		1.4	1.0	0.32	ug/l	SW846 8260B

Summary of Hits

Job Number: FA9297
Account: Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Collected: 10/18/13 thru 10/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichloroethylene		2.9	1.0	0.31	ug/l	SW846 8260B
FA9297-21	**SK-B92**					
Benzene		0.51 J	1.0	0.21	ug/l	SW846 8260B
Chloroform		0.36 J	1.0	0.26	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		3.0	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		153	2.0	0.64	ug/l	SW846 8260B
Trichloroethylene		8.4	1.0	0.31	ug/l	SW846 8260B
FA9297-22	**SK-B68**					
Benzene		0.53 J	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethane		1.9	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene		0.79 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		64.8	1.0	0.24	ug/l	SW846 8260B
trans-1,2-Dichloroethylene		1.3	1.0	0.23	ug/l	SW846 8260B
1,1,1-Trichloroethane		21.5	1.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		4.5	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		2.1	1.0	0.31	ug/l	SW846 8260B
Vinyl chloride		0.45 J	1.0	0.44	ug/l	SW846 8260B
FA9297-23	**WND-32S**					
n-Butylbenzene		0.21 J	1.0	0.20	ug/l	SW846 8260B
sec-Butylbenzene		0.49 J	1.0	0.21	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		0.29 J	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		0.82 J	1.0	0.29	ug/l	SW846 8260B
Isopropylbenzene		1.1	1.0	0.20	ug/l	SW846 8260B
n-Propylbenzene		1.4	1.0	0.23	ug/l	SW846 8260B
1,2,4-Trimethylbenzene		0.52 J	2.0	0.20	ug/l	SW846 8260B
Tetrachloroethylene		0.42 J	1.0	0.32	ug/l	SW846 8260B
Toluene		0.36 J	1.0	0.20	ug/l	SW846 8260B
m,p-Xylene		1.8 J	2.0	0.30	ug/l	SW846 8260B
o-Xylene		0.34 J	1.0	0.20	ug/l	SW846 8260B
FA9297-24	**WND-32DR**					
Chlorobenzene		0.34 J	1.0	0.20	ug/l	SW846 8260B
Chloroform		0.79 J	1.0	0.26	ug/l	SW846 8260B
Carbon tetrachloride		0.64 J	1.0	0.31	ug/l	SW846 8260B
1,1-Dichloroethylene		0.24 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		5.8	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		0.97 J	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		22.2	1.0	0.31	ug/l	SW846 8260B

Summary of Hits

Job Number: FA9297
Account: Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Collected: 10/18/13 thru 10/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA9297-25	**HR1-03**					
Benzene		0.53 J	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene		0.26 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		6.6	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		3.2	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene		20.4	1.0	0.31	ug/l	SW846 8260B
FA9297-26	**RSC-1**					
1,1-Dichloroethane		0.23 J	1.0	0.21	ug/l	SW846 8260B
1,1-Dichloroethylene		0.41 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		36.0	1.0	0.24	ug/l	SW846 8260B
Tetrachloroethylene		4.2	1.0	0.32	ug/l	SW846 8260B
Trichloroethylene [a]		146	2.0	0.63	ug/l	SW846 8260B
Trichlorofluoromethane		0.68 J	2.0	0.50	ug/l	SW846 8260B
Vinyl chloride		0.46 J	1.0	0.44	ug/l	SW846 8260B
FA9297-27	**MW-10**					
Benzene		1.0	1.0	0.21	ug/l	SW846 8260B
n-Butylbenzene		2.1	1.0	0.20	ug/l	SW846 8260B
sec-Butylbenzene		2.6	1.0	0.21	ug/l	SW846 8260B
tert-Butylbenzene		0.76 J	1.0	0.29	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		1.4	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		0.52 J	1.0	0.29	ug/l	SW846 8260B
Isopropylbenzene		3.2	1.0	0.20	ug/l	SW846 8260B
Naphthalene		28.8	3.0	1.0	ug/l	SW846 8260B
n-Propylbenzene		8.2	1.0	0.23	ug/l	SW846 8260B
Toluene		0.56 J	1.0	0.20	ug/l	SW846 8260B
Trichloroethylene		3.2	1.0	0.31	ug/l	SW846 8260B
m,p-Xylene		0.58 J	2.0	0.30	ug/l	SW846 8260B
o-Xylene		0.93 J	1.0	0.20	ug/l	SW846 8260B
FA9297-28	**MW-11**					
sec-Butylbenzene		0.51 J	1.0	0.21	ug/l	SW846 8260B
Isopropylbenzene		0.45 J	1.0	0.20	ug/l	SW846 8260B
FA9297-29	**MW-14**					
Benzene		0.53 J	1.0	0.21	ug/l	SW846 8260B
sec-Butylbenzene		0.87 J	1.0	0.21	ug/l	SW846 8260B
tert-Butylbenzene		0.49 J	1.0	0.29	ug/l	SW846 8260B

Summary of Hits

Job Number: FA9297
Account: Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Collected: 10/18/13 thru 10/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
1,1-Dichloroethylene		0.42 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		15.1	1.0	0.24	ug/l	SW846 8260B
trans-1,2-Dichloroethylene		1.9	1.0	0.23	ug/l	SW846 8260B
Isopropylbenzene		0.82 J	1.0	0.20	ug/l	SW846 8260B
Naphthalene		5.6	3.0	1.0	ug/l	SW846 8260B
n-Propylbenzene		0.70 J	1.0	0.23	ug/l	SW846 8260B
Trichloroethylene		0.67 J	1.0	0.31	ug/l	SW846 8260B
FA9297-30	**MW-15**					
tert-Butylbenzene		0.45 J	1.0	0.29	ug/l	SW846 8260B
1,1-Dichloroethylene		0.42 J	1.0	0.20	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		6.7	1.0	0.24	ug/l	SW846 8260B
Trichloroethylene		18.1	1.0	0.31	ug/l	SW846 8260B
FA9297-31	**MW-18**					
Benzene		2.5	1.0	0.21	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		4.6	1.0	0.24	ug/l	SW846 8260B
Trichloroethylene		1.2	1.0	0.31	ug/l	SW846 8260B
FA9297-32	**SR-SW-1**					
Benzene		2.2	1.0	0.21	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		3.0	1.0	0.24	ug/l	SW846 8260B
Ethylbenzene		0.32 J	1.0	0.29	ug/l	SW846 8260B
Trichloroethylene		3.8	1.0	0.31	ug/l	SW846 8260B
FA9297-33	**SR-SW-2**					
cis-1,2-Dichloroethylene		1.3	1.0	0.24	ug/l	SW846 8260B
Trichloroethylene		1.4	1.0	0.31	ug/l	SW846 8260B
FA9297-34	**SR-SW-3**					
cis-1,2-Dichloroethylene		0.52 J	1.0	0.24	ug/l	SW846 8260B
Trichloroethylene		1.4	1.0	0.31	ug/l	SW846 8260B
FA9297-35	**SR-SW-4**					
No hits reported in this sample.						
FA9297-36	**SR-SW-5**					
cis-1,2-Dichloroethylene		0.55 J	1.0	0.24	ug/l	SW846 8260B

Summary of Hits

Job Number: FA9297
Account: Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Collected: 10/18/13 thru 10/20/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
Trichloroethylene		3.7	1.0	0.31	ug/l	SW846 8260B
FA9297-37	**DUP-1**					
cis-1,2-Dichloroethylene		29.1	2.0	0.47	ug/l	SW846 8260B
Methylene chloride [b]		4.1 J	10	4.0	ug/l	SW846 8260B
Tetrachloroethylene		3.1	2.0	0.64	ug/l	SW846 8260B
Trichloroethylene		134	2.0	0.63	ug/l	SW846 8260B
FA9297-38	**DUP-2**					
1,1-Dichloroethane		5.8	5.0	1.1	ug/l	SW846 8260B
1,1-Dichloroethylene		2.2 J	5.0	1.0	ug/l	SW846 8260B
cis-1,2-Dichloroethylene		276	5.0	1.2	ug/l	SW846 8260B
trans-1,2-Dichloroethylene		1.7 J	5.0	1.1	ug/l	SW846 8260B
Methylene chloride [b]		13.1 J	25	10	ug/l	SW846 8260B
1,1,1-Trichloroethane		21.1	5.0	1.0	ug/l	SW846 8260B
Tetrachloroethylene		425	5.0	1.6	ug/l	SW846 8260B
Trichloroethylene		134	5.0	1.6	ug/l	SW846 8260B
FA9297-39	**FB-1**					
Toluene		3.7	1.0	0.20	ug/l	SW846 8260B
FA9297-40	**FB-2**					
Toluene		3.5	1.0	0.20	ug/l	SW846 8260B
FA9297-41	**TRIP BLANK**					

No hits reported in this sample.

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Suspected laboratory contaminant.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Accutest LabLink@148453 12:02 28-Jan-2014

Report of Analysis

Client Sample ID:	SK-1D		
Lab Sample ID:	FA9297-1	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15258.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2	I15284.D	5	11/01/13	WV	n/a	n/a	VI197

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.31	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	8.9	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-1D		
Lab Sample ID:	FA9297-1	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	131 [a]	5.0	1.6	ug/l	
75-69-4	Trichlorofluoromethane	1.2	2.0	0.50	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-1D		
Lab Sample ID:	FA9297-1	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	94%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	100%	79-125%
2037-26-5	Toluene-D8	101%	101%	85-112%
460-00-4	4-Bromofluorobenzene	99%	100%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-1S		
Lab Sample ID:	FA9297-2	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15259.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.26	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	6.8	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-1S		
Lab Sample ID:	FA9297-2	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	4.9	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	87.0	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	0.65	2.0	0.50	ug/l	J
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-1S		
Lab Sample ID:	FA9297-2	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-2D		
Lab Sample ID:	FA9297-3	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19872.D	1	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.56	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	12.6	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-2D		
Lab Sample ID:	FA9297-3	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	2.0	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	48.6	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-2D		
Lab Sample ID:	FA9297-3	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-2S		
Lab Sample ID:	FA9297-4	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19873.D	5	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	130	50	ug/l	
107-02-8	Acrolein	ND	100	35	ug/l	
107-13-1	Acrylonitrile	ND	50	10	ug/l	
71-43-2	Benzene	ND	5.0	1.1	ug/l	
108-86-1	Bromobenzene	ND	5.0	1.1	ug/l	
74-97-5	Bromochloromethane	ND	5.0	1.1	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	1.5	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	1.3	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	1.1	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	25	6.4	ug/l	
75-15-0	Carbon disulfide	ND	10	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.6	ug/l	
75-34-3	1,1-Dichloroethane	5.4	5.0	1.1	ug/l	
75-35-4	1,1-Dichloroethylene	2.0	5.0	1.0	ug/l	J
563-58-6	1,1-Dichloropropene	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	3.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	1.5	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	1.3	ug/l	
123-91-1	1,4-Dioxane	ND	1000	130	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.5	ug/l	
156-59-2	cis-1,2-Dichloroethylene	265	5.0	1.2	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-2S		
Lab Sample ID:	FA9297-4	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
541-73-1	m-Dichlorobenzene	ND	5.0	1.3	ug/l	
95-50-1	o-Dichlorobenzene	ND	5.0	1.1	ug/l	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	2.0	5.0	1.1	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.5	ug/l	
591-78-6	2-Hexanone	ND	50	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	2.5	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	11	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	2.5	ug/l	
74-95-3	Methylene bromide	ND	10	1.7	ug/l	
75-09-2	Methylene chloride	ND	25	10	ug/l	
78-93-3	Methyl ethyl ketone	ND	25	16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.1	ug/l	
91-20-3	Naphthalene	ND	15	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/l	
100-42-5	Styrene	ND	5.0	1.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.2	ug/l	
71-55-6	1,1,1-Trichloroethane	19.4	5.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	10	2.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	10	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	10	1.0	ug/l	
127-18-4	Tetrachloroethylene	448	5.0	1.6	ug/l	
108-88-3	Toluene	ND	5.0	1.0	ug/l	
79-01-6	Trichloroethylene	129	5.0	1.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.5	ug/l	
75-01-4	Vinyl chloride	ND	5.0	2.2	ug/l	
108-05-4	Vinyl Acetate	ND	50	16	ug/l	
	m,p-Xylene	ND	10	1.5	ug/l	
95-47-6	o-Xylene	ND	5.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-2S		
Lab Sample ID:	FA9297-4	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-3D		
Lab Sample ID:	FA9297-5	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19908.D	1	11/01/13	MM	n/a	n/a	VO792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.23	1.0	0.21	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.69	1.0	0.26	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.9	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-3D		
Lab Sample ID:	FA9297-5	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	2.4	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.31	1.0	0.23	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	0.30	1.0	0.20	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	9.6	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	4.8	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	3.3	1.0	0.32	ug/l	
108-88-3	Toluene	1.0	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	13.4	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	31.3	2.0	0.30	ug/l	
95-47-6	o-Xylene	10.6	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-3D		
Lab Sample ID:	FA9297-5	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	109%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-3S		
Lab Sample ID:	FA9297-6	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19875.D	1	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	0.30	1.0	0.20	ug/l	J
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.28	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	5.0	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-3S		
Lab Sample ID:	FA9297-6	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	1.1	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	23.0	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-3S		
Lab Sample ID:	FA9297-6	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	96%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-4D		
Lab Sample ID:	FA9297-7	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19876.D	1	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.2	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	0.30	1.0	0.20	ug/l	J
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.36	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	7.6	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-4D		
Lab Sample ID:	FA9297-7	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	1.2	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	26.4	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-4D		
Lab Sample ID:	FA9297-7	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-4S		
Lab Sample ID:	FA9297-8	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19897.D	1	11/01/13	MM	n/a	n/a	VO792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.28	1.0	0.26	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.23	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	9.5	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-4S		
Lab Sample ID:	FA9297-8	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	0.42	1.0	0.20	ug/l	J
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	42.6	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	7.0	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-4S		
Lab Sample ID:	FA9297-8	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	97%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-5D		
Lab Sample ID:	FA9297-9	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19898.D	1	11/01/13	MM	n/a	n/a	VO792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.44	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	8.0	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-5D		
Lab Sample ID:	FA9297-9	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	1.7	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	38.1	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-5D		
Lab Sample ID:	FA9297-9	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-5S		
Lab Sample ID:	FA9297-10	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19899.D	1	11/01/13	MM	n/a	n/a	VO792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	0.45	1.0	0.21	ug/l	J
98-06-6	tert-Butylbenzene	0.35	1.0	0.29	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	0.65	1.0	0.21	ug/l	J
75-35-4	1,1-Dichloroethylene	0.35	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	25.9	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-5S		
Lab Sample ID:	FA9297-10	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.47	1.0	0.23	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	0.36	1.0	0.20	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.40	1.0	0.23	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	1.3	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	47.8	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	12.3	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-5S		
Lab Sample ID:	FA9297-10	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-6S		
Lab Sample ID:	FA9297-11	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15260.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.35	1.0	0.21	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	3.5	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.58	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	8.6	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-6S		
Lab Sample ID:	FA9297-11	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	5.1	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	1.4	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	2.7	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-6S		
Lab Sample ID:	FA9297-11	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-7D		
Lab Sample ID:	FA9297-12	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15261.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.36	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	7.1	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-7D		
Lab Sample ID:	FA9297-12	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	1.3	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	31.4	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-7D		
Lab Sample ID:	FA9297-12	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-8D		
Lab Sample ID:	FA9297-13	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15262.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2	I15285.D	5	11/01/13	WV	n/a	n/a	VI197

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	0.24	1.0	0.21	ug/l	J
75-35-4	1,1-Dichloroethylene	0.34	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	34.2	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-8D		
Lab Sample ID:	FA9297-13	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	4.2	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	132 [a]	5.0	1.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-8D		
Lab Sample ID:	FA9297-13	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	100%	79-125%
2037-26-5	Toluene-D8	101%	101%	85-112%
460-00-4	4-Bromofluorobenzene	99%	98%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-8S		
Lab Sample ID:	FA9297-14	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15263.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	0.42	1.0	0.29	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.39	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	14.9	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-8S		
Lab Sample ID:	FA9297-14	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	5.2	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-8S		
Lab Sample ID:	FA9297-14	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	98%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-9D		
Lab Sample ID:	FA9297-15	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15264.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.25	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	4.5	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-9D		
Lab Sample ID:	FA9297-15	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.90	1.0	0.32	ug/l	J
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	18.9	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-9D		
Lab Sample ID:	FA9297-15	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-10S		
Lab Sample ID:	FA9297-16	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15265.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.72	1.0	0.21	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	0.79	1.0	0.21	ug/l	J
75-35-4	1,1-Dichloroethylene	0.37	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	12.3	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-10S		
Lab Sample ID:	FA9297-16	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.2	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	2.3	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.74	1.0	0.31	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	2.7	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-10S		
Lab Sample ID:	FA9297-16	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-11S		
Lab Sample ID:	FA9297-17	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15266.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2	I15286.D	5	11/01/13	WV	n/a	n/a	VI197

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.34	1.0	0.21	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	3.8	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	1.6	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	115 [a]	5.0	1.2	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-11S		
Lab Sample ID:	FA9297-17	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	0.86	1.0	0.23	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	13.4	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	17.8	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	40.5	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	9.2	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	0.64	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-11S		
Lab Sample ID:	FA9297-17	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	99%	100%	79-125%
2037-26-5	Toluene-D8	101%	101%	85-112%
460-00-4	4-Bromofluorobenzene	98%	99%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-12D		
Lab Sample ID:	FA9297-18	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19900.D	1	11/01/13	MM	n/a	n/a	VO792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.40	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	6.8	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-12D		
Lab Sample ID:	FA9297-18	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	1.5	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	31.2	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-12D		
Lab Sample ID:	FA9297-18	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	102%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@148453 12:02 28-Jan-2014

Report of Analysis

Client Sample ID:	SK-12S		
Lab Sample ID:	FA9297-19	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19911.D	1	11/01/13	MM	n/a	n/a	VO792
Run #2	O19901.D	2	11/01/13	MM	n/a	n/a	VO792

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.42	1.0	0.26	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	0.42	1.0	0.21	ug/l	J
75-35-4	1,1-Dichloroethylene	0.43	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	17.8	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-12S		
Lab Sample ID:	FA9297-19	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	3.3	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	84.1 [a]	2.0	0.64	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	32.6	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-12S		
Lab Sample ID:	FA9297-19	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%	102%	83-118%
17060-07-0	1,2-Dichloroethane-D4	110%	102%	79-125%
2037-26-5	Toluene-D8	100%	101%	85-112%
460-00-4	4-Bromofluorobenzene	102%	101%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-13S		
Lab Sample ID:	FA9297-20	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15267.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.83	1.0	0.24	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-13S		
Lab Sample ID:	FA9297-20	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	1.4	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	2.9	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-13S		
Lab Sample ID:	FA9297-20	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-B92		
Lab Sample ID:	FA9297-21	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19902.D	1	11/01/13	MM	n/a	n/a	VO792
Run #2	O19912.D	2	11/01/13	MM	n/a	n/a	VO792

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.51	1.0	0.21	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.36	1.0	0.26	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.0	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-B92		
Lab Sample ID:	FA9297-21	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	153 [a]	2.0	0.64	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	8.4	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-B92		
Lab Sample ID:	FA9297-21	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	102%	111%	79-125%
2037-26-5	Toluene-D8	98%	99%	85-112%
460-00-4	4-Bromofluorobenzene	100%	102%	83-118%

(a) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SK-B68		
Lab Sample ID:	FA9297-22	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19913.D	1	11/01/13	MM	n/a	n/a	VO792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.53	1.0	0.21	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	1.9	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.79	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	64.8	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-B68		
Lab Sample ID:	FA9297-22	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.3	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	21.5	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	4.5	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	2.1	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	0.45	1.0	0.44	ug/l	J
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SK-B68		
Lab Sample ID:	FA9297-22	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		83-118%
17060-07-0	1,2-Dichloroethane-D4	112%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	WND-32S		
Lab Sample ID:	FA9297-23	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15268.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	0.21	1.0	0.20	ug/l	J
135-98-8	sec-Butylbenzene	0.49	1.0	0.21	ug/l	J
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.29	1.0	0.24	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WND-32S		
Lab Sample ID:	FA9297-23	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.82	1.0	0.29	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	1.1	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	1.4	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	0.52	2.0	0.20	ug/l	J
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.42	1.0	0.32	ug/l	J
108-88-3	Toluene	0.36	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	1.8	2.0	0.30	ug/l	J
95-47-6	o-Xylene	0.34	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WND-32S		
Lab Sample ID:	FA9297-23	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	WND-32DR		
Lab Sample ID:	FA9297-24	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19877.D	1	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	0.34	1.0	0.20	ug/l	J
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	0.79	1.0	0.26	ug/l	J
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	0.64	1.0	0.31	ug/l	J
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.24	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	5.8	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WND-32DR		
Lab Sample ID:	FA9297-24	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	0.97	1.0	0.32	ug/l	J
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	22.2	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	WND-32DR		
Lab Sample ID:	FA9297-24	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%		83-118%
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	HR1-03		
Lab Sample ID:	FA9297-25	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19914.D	1	11/01/13	MM	n/a	n/a	VO792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.53	1.0	0.21	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.26	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	6.6	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HR1-03		
Lab Sample ID:	FA9297-25	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	3.2	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	20.4	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	HR1-03		
Lab Sample ID:	FA9297-25	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	111%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	RSC-1		
Lab Sample ID:	FA9297-26	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19878.D	1	10/31/13	MM	n/a	n/a	VO791
Run #2 [a]	O19909.D	2	11/01/13	MM	n/a	n/a	VO792

	Purge Volume
Run #1	5.0 ml
Run #2	5.0 ml

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	0.23	1.0	0.21	ug/l	J
75-35-4	1,1-Dichloroethylene	0.41	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	36.0	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RSC-1		
Lab Sample ID:	FA9297-26	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	4.2	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	146 [b]	2.0	0.63	ug/l	
75-69-4	Trichlorofluoromethane	0.68	2.0	0.50	ug/l	J
75-01-4	Vinyl chloride	0.46	1.0	0.44	ug/l	J
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	RSC-1		
Lab Sample ID:	FA9297-26	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	100%	106%	83-118%
17060-07-0	1,2-Dichloroethane-D4	100%	111%	79-125%
2037-26-5	Toluene-D8	100%	100%	85-112%
460-00-4	4-Bromofluorobenzene	98%	101%	83-118%

(a) Sample vial(s) contained significant headspace; reported results are considered minimum values.
(b) Result is from Run# 2

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	FA9297-27	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19879.D	1	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	1.0	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	2.1	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	2.6	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	0.76	1.0	0.29	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.4	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	FA9297-27	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.52	1.0	0.29	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	3.2	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	28.8	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	8.2	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	0.56	1.0	0.20	ug/l	J
79-01-6	Trichloroethylene	3.2	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	0.58	2.0	0.30	ug/l	J
95-47-6	o-Xylene	0.93	1.0	0.20	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-10		
Lab Sample ID:	FA9297-27	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	104%		83-118%
17060-07-0	1,2-Dichloroethane-D4	102%		79-125%
2037-26-5	Toluene-D8	99%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	FA9297-28	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19880.D	1	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	0.51	1.0	0.21	ug/l	J
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	FA9297-28	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	0.45	1.0	0.20	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-11		
Lab Sample ID:	FA9297-28	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	101%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	FA9297-29	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19881.D	1	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	0.53	1.0	0.21	ug/l	J
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	0.87	1.0	0.21	ug/l	J
98-06-6	tert-Butylbenzene	0.49	1.0	0.29	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.42	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	15.1	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	FA9297-29	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.9	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	0.82	1.0	0.20	ug/l	J
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	5.6	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	0.70	1.0	0.23	ug/l	J
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	0.67	1.0	0.31	ug/l	J
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-14		
Lab Sample ID:	FA9297-29	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	101%		83-118%
17060-07-0	1,2-Dichloroethane-D4	98%		79-125%
2037-26-5	Toluene-D8	96%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	FA9297-30	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19882.D	1	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	0.45	1.0	0.29	ug/l	J
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	0.42	1.0	0.20	ug/l	J
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	6.7	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	FA9297-30	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	18.1	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-15		
Lab Sample ID:	FA9297-30	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	MW-18		
Lab Sample ID:	FA9297-31	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19883.D	1	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	2.5	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	4.6	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-18		
Lab Sample ID:	FA9297-31	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	1.2	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	MW-18		
Lab Sample ID:	FA9297-31	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	93%		79-125%
2037-26-5	Toluene-D8	97%		85-112%
460-00-4	4-Bromofluorobenzene	99%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SR-SW-1		
Lab Sample ID:	FA9297-32	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15269.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	2.2	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	3.0	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-SW-1		
Lab Sample ID:	FA9297-32	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	0.32	1.0	0.29	ug/l	J
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	3.8	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-SW-1		
Lab Sample ID:	FA9297-32	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	101%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SR-SW-2		
Lab Sample ID:	FA9297-33	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15270.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	1.3	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-SW-2		
Lab Sample ID:	FA9297-33	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	1.4	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-SW-2		
Lab Sample ID:	FA9297-33	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SR-SW-3		
Lab Sample ID:	FA9297-34	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15271.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.52	1.0	0.24	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-SW-3		
Lab Sample ID:	FA9297-34	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	1.4	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-SW-3		
Lab Sample ID:	FA9297-34	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	SR-SW-4		
Lab Sample ID:	FA9297-35	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15272.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-SW-4		
Lab Sample ID:	FA9297-35	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-SW-4		
Lab Sample ID:	FA9297-35	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	95%		83-118%
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	96%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@148453 12:02 28-Jan-2014

Report of Analysis

Client Sample ID:	SR-SW-5		
Lab Sample ID:	FA9297-36	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15273.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	0.55	1.0	0.24	ug/l	J

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-SW-5		
Lab Sample ID:	FA9297-36	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	3.7	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	SR-SW-5		
Lab Sample ID:	FA9297-36	**Date Sampled:**	10/18/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	99%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	97%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Accutest LabLink@148453 12:02 28-Jan-2014

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA9297-37	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19884.D	2	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	20	ug/l	
107-02-8	Acrolein	ND	40	14	ug/l	
107-13-1	Acrylonitrile	ND	20	4.0	ug/l	
71-43-2	Benzene	ND	2.0	0.42	ug/l	
108-86-1	Bromobenzene	ND	2.0	0.44	ug/l	
74-97-5	Bromochloromethane	ND	2.0	0.45	ug/l	
75-27-4	Bromodichloromethane	ND	2.0	0.40	ug/l	
75-25-2	Bromoform	ND	2.0	0.69	ug/l	
104-51-8	n-Butylbenzene	ND	2.0	0.40	ug/l	
135-98-8	sec-Butylbenzene	ND	2.0	0.42	ug/l	
98-06-6	tert-Butylbenzene	ND	2.0	0.59	ug/l	
108-90-7	Chlorobenzene	ND	2.0	0.40	ug/l	
75-00-3	Chloroethane	ND	4.0	1.0	ug/l	
67-66-3	Chloroform	ND	2.0	0.53	ug/l	
95-49-8	o-Chlorotoluene	ND	2.0	0.43	ug/l	
106-43-4	p-Chlorotoluene	ND	2.0	0.40	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	10	2.5	ug/l	
75-15-0	Carbon disulfide	ND	4.0	0.99	ug/l	
56-23-5	Carbon tetrachloride	ND	2.0	0.63	ug/l	
75-34-3	1,1-Dichloroethane	ND	2.0	0.43	ug/l	
75-35-4	1,1-Dichloroethylene	ND	2.0	0.40	ug/l	
563-58-6	1,1-Dichloropropene	ND	2.0	0.50	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	4.0	1.4	ug/l	
106-93-4	1,2-Dibromoethane	ND	2.0	0.60	ug/l	
107-06-2	1,2-Dichloroethane	ND	2.0	0.44	ug/l	
78-87-5	1,2-Dichloropropane	ND	2.0	0.52	ug/l	
142-28-9	1,3-Dichloropropane	ND	2.0	0.54	ug/l	
123-91-1	1,4-Dioxane	ND	400	52	ug/l	
594-20-7	2,2-Dichloropropane	ND	2.0	0.49	ug/l	
124-48-1	Dibromochloromethane	ND	2.0	0.40	ug/l	
75-71-8	Dichlorodifluoromethane	ND	4.0	1.0	ug/l	
156-59-2	cis-1,2-Dichloroethylene	29.1	2.0	0.47	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA9297-37	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	2.0	0.44	ug/l	
541-73-1	m-Dichlorobenzene	ND	2.0	0.51	ug/l	
95-50-1	o-Dichlorobenzene	ND	2.0	0.43	ug/l	
106-46-7	p-Dichlorobenzene	ND	2.0	0.40	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	2.0	0.46	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	2.0	0.42	ug/l	
100-41-4	Ethylbenzene	ND	2.0	0.58	ug/l	
591-78-6	2-Hexanone	ND	20	4.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	4.0	1.0	ug/l	
98-82-8	Isopropylbenzene	ND	2.0	0.40	ug/l	
99-87-6	p-Isopropyltoluene	ND	2.0	0.40	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	10	4.5	ug/l	
74-83-9	Methyl bromide	ND	4.0	1.6	ug/l	
74-87-3	Methyl chloride	ND	4.0	1.0	ug/l	
74-95-3	Methylene bromide	ND	4.0	0.69	ug/l	
75-09-2	Methylene chloride [a]	4.1	10	4.0	ug/l	J
78-93-3	Methyl ethyl ketone	ND	10	6.2	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	2.0	0.42	ug/l	
91-20-3	Naphthalene	ND	6.0	2.0	ug/l	
103-65-1	n-Propylbenzene	ND	2.0	0.45	ug/l	
100-42-5	Styrene	ND	2.0	0.40	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	2.0	0.46	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	2.0	0.40	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	2.0	0.48	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	2.0	0.40	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	2.0	1.0	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	4.0	1.1	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	2.0	1.0	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	4.0	0.40	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	4.0	0.40	ug/l	
127-18-4	Tetrachloroethylene	3.1	2.0	0.64	ug/l	
108-88-3	Toluene	ND	2.0	0.40	ug/l	
79-01-6	Trichloroethylene	134	2.0	0.63	ug/l	
75-69-4	Trichlorofluoromethane	ND	4.0	1.0	ug/l	
75-01-4	Vinyl chloride	ND	2.0	0.88	ug/l	
108-05-4	Vinyl Acetate	ND	20	6.3	ug/l	
	m,p-Xylene	ND	4.0	0.59	ug/l	
95-47-6	o-Xylene	ND	2.0	0.40	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-1		
Lab Sample ID:	FA9297-37	**Date Sampled:**	10/19/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	97%		83-118%
17060-07-0	1,2-Dichloroethane-D4	92%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	101%		83-118%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	FA9297-38	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19905.D	5	11/01/13	MM	n/a	n/a	VO792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	130	50	ug/l	
107-02-8	Acrolein	ND	100	35	ug/l	
107-13-1	Acrylonitrile	ND	50	10	ug/l	
71-43-2	Benzene	ND	5.0	1.1	ug/l	
108-86-1	Bromobenzene	ND	5.0	1.1	ug/l	
74-97-5	Bromochloromethane	ND	5.0	1.1	ug/l	
75-27-4	Bromodichloromethane	ND	5.0	1.0	ug/l	
75-25-2	Bromoform	ND	5.0	1.7	ug/l	
104-51-8	n-Butylbenzene	ND	5.0	1.0	ug/l	
135-98-8	sec-Butylbenzene	ND	5.0	1.1	ug/l	
98-06-6	tert-Butylbenzene	ND	5.0	1.5	ug/l	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/l	
75-00-3	Chloroethane	ND	10	2.5	ug/l	
67-66-3	Chloroform	ND	5.0	1.3	ug/l	
95-49-8	o-Chlorotoluene	ND	5.0	1.1	ug/l	
106-43-4	p-Chlorotoluene	ND	5.0	1.0	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	25	6.4	ug/l	
75-15-0	Carbon disulfide	ND	10	2.5	ug/l	
56-23-5	Carbon tetrachloride	ND	5.0	1.6	ug/l	
75-34-3	1,1-Dichloroethane	5.8	5.0	1.1	ug/l	
75-35-4	1,1-Dichloroethylene	2.2	5.0	1.0	ug/l	J
563-58-6	1,1-Dichloropropene	ND	5.0	1.2	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	10	3.6	ug/l	
106-93-4	1,2-Dibromoethane	ND	5.0	1.5	ug/l	
107-06-2	1,2-Dichloroethane	ND	5.0	1.1	ug/l	
78-87-5	1,2-Dichloropropane	ND	5.0	1.3	ug/l	
142-28-9	1,3-Dichloropropane	ND	5.0	1.3	ug/l	
123-91-1	1,4-Dioxane	ND	1000	130	ug/l	
594-20-7	2,2-Dichloropropane	ND	5.0	1.2	ug/l	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/l	
75-71-8	Dichlorodifluoromethane	ND	10	2.5	ug/l	
156-59-2	cis-1,2-Dichloroethylene	276	5.0	1.2	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	FA9297-38	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.1	ug/l	
541-73-1	m-Dichlorobenzene	ND	5.0	1.3	ug/l	
95-50-1	o-Dichlorobenzene	ND	5.0	1.1	ug/l	
106-46-7	p-Dichlorobenzene	ND	5.0	1.0	ug/l	
156-60-5	trans-1,2-Dichloroethylene	1.7	5.0	1.1	ug/l	J
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/l	
100-41-4	Ethylbenzene	ND	5.0	1.5	ug/l	
591-78-6	2-Hexanone	ND	50	10	ug/l	
87-68-3	Hexachlorobutadiene	ND	10	2.5	ug/l	
98-82-8	Isopropylbenzene	ND	5.0	1.0	ug/l	
99-87-6	p-Isopropyltoluene	ND	5.0	1.0	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	25	11	ug/l	
74-83-9	Methyl bromide	ND	10	3.9	ug/l	
74-87-3	Methyl chloride	ND	10	2.5	ug/l	
74-95-3	Methylene bromide	ND	10	1.7	ug/l	
75-09-2	Methylene chloride [a]	13.1	25	10	ug/l	J
78-93-3	Methyl ethyl ketone	ND	25	16	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.1	ug/l	
91-20-3	Naphthalene	ND	15	5.0	ug/l	
103-65-1	n-Propylbenzene	ND	5.0	1.1	ug/l	
100-42-5	Styrene	ND	5.0	1.0	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.2	ug/l	
71-55-6	1,1,1-Trichloroethane	21.1	5.0	1.0	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.2	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	2.5	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	10	2.8	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	2.5	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	10	1.0	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	10	1.0	ug/l	
127-18-4	Tetrachloroethylene	425	5.0	1.6	ug/l	
108-88-3	Toluene	ND	5.0	1.0	ug/l	
79-01-6	Trichloroethylene	134	5.0	1.6	ug/l	
75-69-4	Trichlorofluoromethane	ND	10	2.5	ug/l	
75-01-4	Vinyl chloride	ND	5.0	2.2	ug/l	
108-05-4	Vinyl Acetate	ND	50	16	ug/l	
	m,p-Xylene	ND	10	1.5	ug/l	
95-47-6	o-Xylene	ND	5.0	1.0	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DUP-2		
Lab Sample ID:	FA9297-38	**Date Sampled:**	10/20/13
Matrix:	AQ - Ground Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		83-118%
17060-07-0	1,2-Dichloroethane-D4	107%		79-125%
2037-26-5	Toluene-D8	98%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

(a) Suspected laboratory contaminant.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	FA9297-39	**Date Sampled:**	10/19/13
Matrix:	AQ - Field Blank Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19885.D	1	10/31/13	MM	n/a	n/a	VO791
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	FA9297-39	**Date Sampled:**	10/19/13
Matrix:	AQ - Field Blank Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	3.7	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-1		
Lab Sample ID:	FA9297-39	**Date Sampled:**	10/19/13
Matrix:	AQ - Field Blank Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	99%		83-118%
17060-07-0	1,2-Dichloroethane-D4	94%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	100%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	FB-2		
Lab Sample ID:	FA9297-40	**Date Sampled:**	10/20/13
Matrix:	AQ - Field Blank Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	O19906.D	1	11/01/13	MM	n/a	n/a	VO792
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-2		
Lab Sample ID:	FA9297-40	**Date Sampled:**	10/20/13
Matrix:	AQ - Field Blank Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	3.5	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	FB-2		
Lab Sample ID:	FA9297-40	**Date Sampled:**	10/20/13
Matrix:	AQ - Field Blank Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	103%		83-118%
17060-07-0	1,2-Dichloroethane-D4	106%		79-125%
2037-26-5	Toluene-D8	100%		85-112%
460-00-4	4-Bromofluorobenzene	102%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

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Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA9297-41	**Date Sampled:**	10/18/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	I15274.D	1	10/31/13	WV	n/a	n/a	VI196
Run #2							

	Purge Volume
Run #1	5.0 ml
Run #2	

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA9297-41	**Date Sampled:**	10/18/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	3.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	TRIP BLANK		
Lab Sample ID:	FA9297-41	**Date Sampled:**	10/18/13
Matrix:	AQ - Trip Blank Water	**Date Received:**	10/22/13
Method:	SW846 8260B	**Percent Solids:**	n/a
Project:	Wichita Sampling Event; Wichita, KS		

VOA 8260 List

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	96%		83-118%
17060-07-0	1,2-Dichloroethane-D4	100%		79-125%
2037-26-5	Toluene-D8	102%		85-112%
460-00-4	4-Bromofluorobenzene	98%		83-118%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

Accutest Laboratories Southeast
Chain of Custody

ACCUTEST LABORATORIES

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TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA9297 PAGE 1 OF 4

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Cameron Cole
Address: 5777 Central Ave, Suite 200
City: Boulder State: CO Zip: 80301
Project Contact: Jim Dorkin Email: dorkin@cameron-cole.com
Phone#: 303-938-5504
Sampler(s) Name(s) (Printed): R. MacCarthy / J. Talley

Project Information

Project Name: CHES Wichita
Street: 2549 New York St.
City: Wichita State: KS
Project #: XO 51669360
Fax#: PM John Talley 781-247-3966
Client Purchase Order #:

Analytical Information: EPA 8260 VOC

Matrix Codes: DW - Drinking Water; GW - Ground Water; WW - Water; SW - Surface Water; SO - Soil; SL - Sludge; OI - Oil; LIQ - Other Liquid; AIR - Air; SOL - Other Solid; WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection DATE (2013)	TIME	SAMPLED BY	MATRIX	TOTAL # OF BOTTLES	OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	EPA 8260 VOC	LAB USE ONLY
1	SK-1D	10/19	1520	JT/RM	GW	3			✓							✓	
2	SK-1S	"	1550						✓							✓	
3	SK-2D	10/20	1540						✓							✓	
4	SK-2S		1610						✓							✓	
5	SK-3D		1500						✓							✓	
6	SK-3S		1520						✓							✓	
7	SK-4D		1110						✓							✓	
8	SK-4S		1130						✓							✓	
9	SK-5D		1645						✓							✓	
10	SK-5S		1720						✓							✓	
11	SK-6S	10/19	1610						✓							✓	
12	SK-7D	"	1020						✓							✓	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [x] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1	10/21/13@1000	2 FX	3 FX	10/22/13 9:45	4 10/22/13 9:45
Relinquished By:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.7

FA9297: Chain of Custody
Page 1 of 5

Accutest Laboratories Southeast
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ACCUTEST LABORATORIES

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www.accutest.com

Accutest JOB # FA9297 PAGE 2 OF 4

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Cameron Cole
Address: 5777 Central Ave Suite 200
City: Boulder State: CO Zip: 80301
Project Contact: Dan Lebsutty dlebsutty@cameroncole.com
E-mail:
Phone#: 303.938.5504
Sampler(s) Name(s) (Printed): R. MacCarthy / J. Talley

Project Information

Project Name: CHES Wichita
Street: 2549 New York St.
City: Wichita State: KS
Project #: KO 51669836
Fax#: PM John Talley 781.247.3966
Client Purchase Order #:

Analytical Information

EPA 8260 UXX

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Date	Time	Sampled By	Matrix	Total # of Bottles	Other	None	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI Water	MeOH	EPA 8260 UXX	Lab Use Only
13	SK-8D	10/19	1520	JT/RM	GW	3			✓	✓						✓	
14	SK-8S	↓	1640	↓	↓	↓			✓	✓						✓	
15	SK-9D		1740						✓	✓						✓	
16	SK-10S		1505						✓	✓						✓	
17	SK-11S	↓	1430						✓	✓						✓	
18	SK-12D	10/20	1205						✓	✓						✓	
19	SK-12S	"	1225						✓	✓						✓	
20	SK-13S	10/19	1410						✓	✓						✓	
21	SK-B92	10/20	0945						✓	✓						✓	
22	SK-B68	"	0930						✓	✓						✓	
23	WND-32S	10/19	1040						✓	✓						✓	
24	WND-32DR	"	1050	↓	↓	↓			✓							✓	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 J. Talley	10/21/13 @1000	2 FX	3 FX	10/22/13	4 [illegible] 10/22/13 9:45
Relinquished by:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
5		6	7		8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.1

FA9297: Chain of Custody
Page 2 of 5

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Chain of Custody

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TEL. 407-425-6700 • FAX: 407-425-0707
www.accutest.com

Accutest JOB # FA9297 PAGE 3 OF 4

Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Cameron Cole
Address: 577 Central Ave, Suite 200
City: Boulder State: CO Zip: 80301
Project Contact: Kate Fuller Email: kfuller@cameron-cole.com
Phone#: 303.938.5548
Sampler(s) Name(s) (Printed): J. Talley / R. MacCarthy

Project Information

Project Name: Clean Harbors - Wichita
Street: 2549 New York Street
City: Wichita State: KS
Project # (Cole): XO51669366
Fax#: PM John Talley 781-247-3966
Client Purchase Order #

Analytical Information

EPA 8260 VOC

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

Accutest Sample #	Field ID / Point of Collection	Collection Date (2013)	Time	Sampled By:	Matrix	Total # of Bottles	Container Information: OTHER	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MeOH	EPA 8260 VOC	LAB USE ONLY
25	HR1-03	10/20	1030	JT/RM	GW	3			✓							✓	
26	RSC-1	10/19	1700	↓	↓	↓			✓							✓	
27	MW-10	↓	1052	↓	↓	↓			✓							✓	
28	MW-11	↓	1500	↓	↓	↓			✓							✓	
29	MW-14	↓	0945	↓	↓	↓			✓							✓	
30	MW-15	↓	1210	↓	↓	↓			✓							✓	
31	MW-18	↓	1230	↓	↓	↓			✓							✓	
32	SK-SW-1	10/18	1245	↓	↓	↓			✓							✓	
33	SK-SW-2	↓	1300	↓	↓	↓			✓							✓	
34	SK-SW-3	↓	1315	↓	↓	↓			✓							✓	
35	SK-SW-4	↓	1330	↓	↓	↓			✓							✓	
36	SK-SW-5	↓	1345	↓	↓	↓			✓							✓	

TURNAROUND TIME (Business Days)

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- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

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- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 J. Talley	10/21/13@1000	2 FX	3 FX	10/22/13 9:45	4 [illegible]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.7

5.1 5

FA9297: Chain of Custody
Page 3 of 5

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Accutest Quote # | SKIFF#

Client / Reporting Information

Company Name: Cameron Cole
Address: 5777 Central Ave Suite 200
City: Boulder State: CO Zip: 80301
Project Contact: Ken Delahunty E-mail: delahunty@cameron-cole.com
Phone#: 303-938-5504
Sampler(s) Name(s) (Printed): R. McCarthy / J. Talley

Project Information

Project Name: CHES Wichita
Street: 2549 New York St.
City: Wichita State: KS
Project #: XO 5164 9236
~~Fax #~~: PM John Talley 781-247-3966
Client Purchase Order #

Analytical Information

EPA 8260 VOC

Matrix Codes

DW - Drinking Water
GW - Ground Water
WW - Water
SW - Surface Water
SO - Soil
SL - Sludge
OI - Oil
LIQ - Other Liquid
AIR - Air
SOL - Other Solid
WP - Wipe

	Accutest Sample #	Field ID / Point of Collection	Collection Date (2013)	Time	Sampled By:	Matrix	Total # of Bottles	Other	NONE	HCl	NaOH	HNO3	H2SO4	NaOH+ZnAc	DI WATER	MEOH	EPA 8260 VOC	LAB USE ONLY
37	13	Dup-1	10/19	1200	JT/PM	GW	3			✓							✓	
38	14	Dup-2	10/20	1200	↓	↓	3			✓							✓	
39	15	FB-1	10/19	1005	↓	FB	3			✓							✓	
40	16	FB-2	10/20	1035	↓	↓	3			✓							✓	
41	17	Trip Blank				TB	2			✓							✓	
	18																	
	19																	
	20																	
	21																	
	22																	
	23																	
	24																	

TURNAROUND TIME (Business Days)

Approved By: / Rush Code

- [x] 10 Days Standard
- [ ] 7 Day RUSH
- [ ] 5 Day RUSH
- [ ] 3 Day EMERGENCY
- [ ] 2 Day EMERGENCY
- [ ] 1 Day EMERGENCY
- [ ] OTHER

Emergency or Rush T/A Data Available VIA Email or Lablink

Data Deliverable Information

- [ ] COMMERCIAL "A" (RESULTS ONLY)
- [ ] COMMERCIAL "B" (RESULTS PLUS QC)
- [ ] REDT1 (EPA LEVEL 3)
- [ ] FULT1 (EPA LEVEL 4)
- [ ] EDD'S

Comments / Remarks

Sample Custody must be documented below each time samples change possession, including courier delivery.

Relinquished by Sampler:	Date Time:	Received By:	Relinquished by:	Date Time:	Received By:
1 [signature]	10/21/13@1100	2 FX	3 FX	10/22/13 1245	4 [signature]
Relinquished by: 5	Date Time:	Received By: 6	Relinquished by: 7	Date Time:	Received By: 8

Lab Use Only: Custody Seal in Place: Y N Temp Blank Provided: Y N Preserved where Applicable: Y N Total # of Coolers: Cooler Temperature (s) Celsius: 2.7

5.1 5

FA9297: Chain of Custody
Page 4 of 5

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA9297 CLIENT: Camerarole PROJECT: Clean Harbors

DATE/TIME RECEIVED: 10/22/13 9:45 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 1

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 8729 3806 8955

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [x] TRIP BLANK PROVIDED
- [ ] TRIP BLANK NOT PROVIDED
- [ ] TRIP BLANK NOT ON COC
- [x] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [x] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM_____ 5-GRAM_____

NUMBER OF 5035 FIELD KITS ? _____

NUMBER OF LAB FILTERED METALS ? _____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +.03
- [ ] OBSERVED TEMPS: 2.4
- [ ] CORRECTED TEMPS: 2.7

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE [signature] 10/22/13 REVIEWER SIGNATURE/DATE JC 10-22-13

NF 12/10

receipt confirmation 122910.xls

5.1 5

FA9297: Chain of Custody

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Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries
- Instrument Performance Checks (BFB)
- Internal Standard Area Summaries
- Surrogate Recovery Summaries
- Initial and Continuing Calibration Summaries

Method Blank Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI196-MB	I15254.D	1	10/31/13	WV	n/a	n/a	VI196

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-2, FA9297-11, FA9297-12, FA9297-13, FA9297-14, FA9297-15, FA9297-16, FA9297-17, FA9297-20, FA9297-23, FA9297-32, FA9297-33, FA9297-34, FA9297-35, FA9297-36, FA9297-41

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI196-MB	I15254.D	1	10/31/13	WV	n/a	n/a	VI196

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-2, FA9297-11, FA9297-12, FA9297-13, FA9297-14, FA9297-15, FA9297-16, FA9297-17, FA9297-20, FA9297-23, FA9297-32, FA9297-33, FA9297-34, FA9297-35, FA9297-36, FA9297-41

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI196-MB	I15254.D	1	10/31/13	WV	n/a	n/a	VI196

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-2, FA9297-11, FA9297-12, FA9297-13, FA9297-14, FA9297-15, FA9297-16, FA9297-17, FA9297-20, FA9297-23, FA9297-32, FA9297-33, FA9297-34, FA9297-35, FA9297-36, FA9297-41

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Method Blank Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO791-MB	O19866.D	1	10/31/13	MM	n/a	n/a	VO791

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-3, FA9297-4, FA9297-6, FA9297-7, FA9297-24, FA9297-26, FA9297-27, FA9297-28, FA9297-29, FA9297-30, FA9297-31, FA9297-37, FA9297-39

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO791-MB	O19866.D	1	10/31/13	MM	n/a	n/a	VO791

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-3, FA9297-4, FA9297-6, FA9297-7, FA9297-24, FA9297-26, FA9297-27, FA9297-28, FA9297-29, FA9297-30, FA9297-31, FA9297-37, FA9297-39

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO791-MB	O19866.D	1	10/31/13	MM	n/a	n/a	VO791

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-3, FA9297-4, FA9297-6, FA9297-7, FA9297-24, FA9297-26, FA9297-27, FA9297-28, FA9297-29, FA9297-30, FA9297-31, FA9297-37, FA9297-39

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	90%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Method Blank Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI197-MB	I15280.D	1	11/01/13	WV	n/a	n/a	VI197

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-13, FA9297-17

CAS No.	Compound	Result	RL	MDL	Units	Q
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	95%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

Method Blank Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO792-MB	O19896.D	1	11/01/13	MM	n/a	n/a	VO792

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-5, FA9297-8, FA9297-9, FA9297-10, FA9297-18, FA9297-19, FA9297-21, FA9297-22, FA9297-25, FA9297-26, FA9297-38, FA9297-40

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	25	10	ug/l	
107-02-8	Acrolein	ND	20	6.9	ug/l	
107-13-1	Acrylonitrile	ND	10	2.0	ug/l	
71-43-2	Benzene	ND	1.0	0.21	ug/l	
108-86-1	Bromobenzene	ND	1.0	0.22	ug/l	
74-97-5	Bromochloromethane	ND	1.0	0.23	ug/l	
75-27-4	Bromodichloromethane	ND	1.0	0.20	ug/l	
75-25-2	Bromoform	ND	1.0	0.34	ug/l	
104-51-8	n-Butylbenzene	ND	1.0	0.20	ug/l	
135-98-8	sec-Butylbenzene	ND	1.0	0.21	ug/l	
98-06-6	tert-Butylbenzene	ND	1.0	0.29	ug/l	
108-90-7	Chlorobenzene	ND	1.0	0.20	ug/l	
75-00-3	Chloroethane	ND	2.0	0.50	ug/l	
67-66-3	Chloroform	ND	1.0	0.26	ug/l	
95-49-8	o-Chlorotoluene	ND	1.0	0.21	ug/l	
106-43-4	p-Chlorotoluene	ND	1.0	0.20	ug/l	
110-75-8	2-Chloroethyl vinyl ether	ND	5.0	1.3	ug/l	
75-15-0	Carbon disulfide	ND	2.0	0.49	ug/l	
56-23-5	Carbon tetrachloride	ND	1.0	0.31	ug/l	
75-34-3	1,1-Dichloroethane	ND	1.0	0.21	ug/l	
75-35-4	1,1-Dichloroethylene	ND	1.0	0.20	ug/l	
563-58-6	1,1-Dichloropropene	ND	1.0	0.25	ug/l	
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.0	0.71	ug/l	
106-93-4	1,2-Dibromoethane	ND	1.0	0.30	ug/l	
107-06-2	1,2-Dichloroethane	ND	1.0	0.22	ug/l	
78-87-5	1,2-Dichloropropane	ND	1.0	0.26	ug/l	
142-28-9	1,3-Dichloropropane	ND	1.0	0.27	ug/l	
123-91-1	1,4-Dioxane	ND	200	26	ug/l	
594-20-7	2,2-Dichloropropane	ND	1.0	0.25	ug/l	
124-48-1	Dibromochloromethane	ND	1.0	0.20	ug/l	
75-71-8	Dichlorodifluoromethane	ND	2.0	0.50	ug/l	
156-59-2	cis-1,2-Dichloroethylene	ND	1.0	0.24	ug/l	
10061-01-5	cis-1,3-Dichloropropene	ND	1.0	0.22	ug/l	
541-73-1	m-Dichlorobenzene	ND	1.0	0.25	ug/l	
95-50-1	o-Dichlorobenzene	ND	1.0	0.22	ug/l	
106-46-7	p-Dichlorobenzene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO792-MB	O19896.D	1	11/01/13	MM	n/a	n/a	VO792

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-5, FA9297-8, FA9297-9, FA9297-10, FA9297-18, FA9297-19, FA9297-21, FA9297-22, FA9297-25, FA9297-26, FA9297-38, FA9297-40

CAS No.	Compound	Result	RL	MDL	Units	Q
156-60-5	trans-1,2-Dichloroethylene	ND	1.0	0.23	ug/l	
10061-02-6	trans-1,3-Dichloropropene	ND	1.0	0.21	ug/l	
100-41-4	Ethylbenzene	ND	1.0	0.29	ug/l	
591-78-6	2-Hexanone	ND	10	2.0	ug/l	
87-68-3	Hexachlorobutadiene	ND	2.0	0.50	ug/l	
98-82-8	Isopropylbenzene	ND	1.0	0.20	ug/l	
99-87-6	p-Isopropyltoluene	ND	1.0	0.20	ug/l	
108-10-1	4-Methyl-2-pentanone	ND	5.0	2.3	ug/l	
74-83-9	Methyl bromide	ND	2.0	0.79	ug/l	
74-87-3	Methyl chloride	ND	2.0	0.50	ug/l	
74-95-3	Methylene bromide	ND	2.0	0.34	ug/l	
75-09-2	Methylene chloride	ND	5.0	2.0	ug/l	
78-93-3	Methyl ethyl ketone	ND	5.0	3.1	ug/l	
1634-04-4	Methyl Tert Butyl Ether	ND	1.0	0.21	ug/l	
91-20-3	Naphthalene	ND	5.0	1.0	ug/l	
103-65-1	n-Propylbenzene	ND	1.0	0.23	ug/l	
100-42-5	Styrene	ND	1.0	0.20	ug/l	
630-20-6	1,1,1,2-Tetrachloroethane	ND	1.0	0.23	ug/l	
71-55-6	1,1,1-Trichloroethane	ND	1.0	0.20	ug/l	
79-34-5	1,1,2,2-Tetrachloroethane	ND	1.0	0.24	ug/l	
79-00-5	1,1,2-Trichloroethane	ND	1.0	0.20	ug/l	
87-61-6	1,2,3-Trichlorobenzene	ND	1.0	0.50	ug/l	
96-18-4	1,2,3-Trichloropropane	ND	2.0	0.56	ug/l	
120-82-1	1,2,4-Trichlorobenzene	ND	1.0	0.50	ug/l	
95-63-6	1,2,4-Trimethylbenzene	ND	2.0	0.20	ug/l	
108-67-8	1,3,5-Trimethylbenzene	ND	2.0	0.20	ug/l	
127-18-4	Tetrachloroethylene	ND	1.0	0.32	ug/l	
108-88-3	Toluene	ND	1.0	0.20	ug/l	
79-01-6	Trichloroethylene	ND	1.0	0.31	ug/l	
75-69-4	Trichlorofluoromethane	ND	2.0	0.50	ug/l	
75-01-4	Vinyl chloride	ND	1.0	0.44	ug/l	
108-05-4	Vinyl Acetate	ND	10	3.1	ug/l	
	m,p-Xylene	ND	2.0	0.30	ug/l	
95-47-6	o-Xylene	ND	1.0	0.20	ug/l	

Method Blank Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO792-MB	O19896.D	1	11/01/13	MM	n/a	n/a	VO792

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-5, FA9297-8, FA9297-9, FA9297-10, FA9297-18, FA9297-19, FA9297-21, FA9297-22, FA9297-25, FA9297-26, FA9297-38, FA9297-40

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	100%	83-118%
17060-07-0	1,2-Dichloroethane-D4	98%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

Blank Spike Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI196-BS	I15253.D	1	10/31/13	WV	n/a	n/a	VI196

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-2, FA9297-11, FA9297-12, FA9297-13, FA9297-14, FA9297-15, FA9297-16, FA9297-17, FA9297-20, FA9297-23, FA9297-32, FA9297-33, FA9297-34, FA9297-35, FA9297-36, FA9297-41

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	94.0	75	50-147
107-02-8	Acrolein	125	114	91	31-154
107-13-1	Acrylonitrile	125	123	98	58-126
71-43-2	Benzene	25	27.4	110	81-122
108-86-1	Bromobenzene	25	25.9	104	80-121
74-97-5	Bromochloromethane	25	24.4	98	76-123
75-27-4	Bromodichloromethane	25	27.0	108	79-123
75-25-2	Bromoform	25	24.9	100	66-123
104-51-8	n-Butylbenzene	25	27.6	110	79-126
135-98-8	sec-Butylbenzene	25	31.5	126	83-133
98-06-6	tert-Butylbenzene	25	30.2	121	80-133
108-90-7	Chlorobenzene	25	28.5	114	82-124
75-00-3	Chloroethane	25	27.7	111	62-144
67-66-3	Chloroform	25	27.0	108	80-124
95-49-8	o-Chlorotoluene	25	28.7	115	81-127
106-43-4	p-Chlorotoluene	25	30.2	121	83-130
110-75-8	2-Chloroethyl vinyl ether	125	129	103	56-122
75-15-0	Carbon disulfide	25	26.1	104	66-148
56-23-5	Carbon tetrachloride	25	29.8	119	76-136
75-34-3	1,1-Dichloroethane	25	27.2	109	81-122
75-35-4	1,1-Dichloroethylene	25	31.0	124	78-137
563-58-6	1,1-Dichloropropene	25	30.8	123	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	25.0	100	64-123
106-93-4	1,2-Dibromoethane	25	26.6	106	75-120
107-06-2	1,2-Dichloroethane	25	26.0	104	75-125
78-87-5	1,2-Dichloropropane	25	26.9	108	76-124
142-28-9	1,3-Dichloropropane	25	25.8	103	80-118
123-91-1	1,4-Dioxane	500	484	97	48-146
594-20-7	2,2-Dichloropropane	25	31.1	124	74-139
124-48-1	Dibromochloromethane	25	27.4	110	78-122
75-71-8	Dichlorodifluoromethane	25	41.7	167	42-167
156-59-2	cis-1,2-Dichloroethylene	25	27.6	110	78-120
10061-01-5	cis-1,3-Dichloropropene	25	27.4	110	75-118
541-73-1	m-Dichlorobenzene	25	28.5	114	84-125
95-50-1	o-Dichlorobenzene	25	27.8	111	82-124
106-46-7	p-Dichlorobenzene	25	26.0	104	78-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI196-BS	I15253.D	1	10/31/13	WV	n/a	n/a	VI196

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-2, FA9297-11, FA9297-12, FA9297-13, FA9297-14, FA9297-15, FA9297-16, FA9297-17, FA9297-20, FA9297-23, FA9297-32, FA9297-33, FA9297-34, FA9297-35, FA9297-36, FA9297-41

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
156-60-5	trans-1,2-Dichloroethylene	25	28.1	112	76-127
10061-02-6	trans-1,3-Dichloropropene	25	29.3	117	80-120
100-41-4	Ethylbenzene	25	27.3	109	81-121
591-78-6	2-Hexanone	125	112	90	61-129
87-68-3	Hexachlorobutadiene	25	29.9	120	75-142
98-82-8	Isopropylbenzene	25	30.8	123	83-132
99-87-6	p-Isopropyltoluene	25	30.6	122	79-130
108-10-1	4-Methyl-2-pentanone	125	121	97	66-122
74-83-9	Methyl bromide	25	27.3	109	59-143
74-87-3	Methyl chloride	25	27.7	111	50-159
74-95-3	Methylene bromide	25	25.6	102	78-119
75-09-2	Methylene chloride	25	28.1	112	69-135
78-93-3	Methyl ethyl ketone	125	104	83	56-143
1634-04-4	Methyl Tert Butyl Ether	25	23.5	94	72-117
91-20-3	Naphthalene	25	27.0	108	63-132
103-65-1	n-Propylbenzene	25	30.5	122	82-133
100-42-5	Styrene	25	26.8	107	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	27.9	112	77-122
71-55-6	1,1,1-Trichloroethane	25	29.2	117	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	24.2	97	72-120
79-00-5	1,1,2-Trichloroethane	25	25.3	101	76-119
87-61-6	1,2,3-Trichlorobenzene	25	27.9	112	68-131
96-18-4	1,2,3-Trichloropropane	25	24.1	96	77-120
120-82-1	1,2,4-Trichlorobenzene	25	27.3	109	73-129
95-63-6	1,2,4-Trimethylbenzene	25	27.2	109	79-120
108-67-8	1,3,5-Trimethylbenzene	25	27.2	109	79-120
127-18-4	Tetrachloroethylene	25	25.0	100	76-135
108-88-3	Toluene	25	26.9	108	80-120
79-01-6	Trichloroethylene	25	27.9	112	81-126
75-69-4	Trichlorofluoromethane	25	25.2	101	71-156
75-01-4	Vinyl chloride	25	29.0	116	69-159
108-05-4	Vinyl Acetate	125	132	106	43-154
	m,p-Xylene	50	59.1	118	79-126
95-47-6	o-Xylene	25	30.3	121	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI196-BS	I15253.D	1	10/31/13	WV	n/a	n/a	VI196

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-2, FA9297-11, FA9297-12, FA9297-13, FA9297-14, FA9297-15, FA9297-16, FA9297-17, FA9297-20, FA9297-23, FA9297-32, FA9297-33, FA9297-34, FA9297-35, FA9297-36, FA9297-41

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	97%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	94%	85-112%
460-00-4	4-Bromofluorobenzene	92%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO791-BS	O19865.D	1	10/31/13	MM	n/a	n/a	VO791

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-3, FA9297-4, FA9297-6, FA9297-7, FA9297-24, FA9297-26, FA9297-27, FA9297-28, FA9297-29, FA9297-30, FA9297-31, FA9297-37, FA9297-39

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	140	112	50-147
107-02-8	Acrolein	125	99.7	80	31-154
107-13-1	Acrylonitrile	125	117	94	58-126
71-43-2	Benzene	25	25.8	103	81-122
108-86-1	Bromobenzene	25	25.5	102	80-121
74-97-5	Bromochloromethane	25	22.3	89	76-123
75-27-4	Bromodichloromethane	25	24.4	98	79-123
75-25-2	Bromoform	25	23.8	95	66-123
104-51-8	n-Butylbenzene	25	26.0	104	79-126
135-98-8	sec-Butylbenzene	25	28.7	115	83-133
98-06-6	tert-Butylbenzene	25	27.5	110	80-133
108-90-7	Chlorobenzene	25	26.8	107	82-124
75-00-3	Chloroethane	25	23.9	96	62-144
67-66-3	Chloroform	25	24.1	96	80-124
95-49-8	o-Chlorotoluene	25	27.1	108	81-127
106-43-4	p-Chlorotoluene	25	27.8	111	83-130
110-75-8	2-Chloroethyl vinyl ether	125	124	99	56-122
75-15-0	Carbon disulfide	25	21.1	84	66-148
56-23-5	Carbon tetrachloride	25	22.9	92	76-136
75-34-3	1,1-Dichloroethane	25	25.1	100	81-122
75-35-4	1,1-Dichloroethylene	25	26.8	107	78-137
563-58-6	1,1-Dichloropropene	25	26.0	104	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	23.7	95	64-123
106-93-4	1,2-Dibromoethane	25	24.7	99	75-120
107-06-2	1,2-Dichloroethane	25	23.8	95	75-125
78-87-5	1,2-Dichloropropane	25	25.4	102	76-124
142-28-9	1,3-Dichloropropane	25	25.0	100	80-118
123-91-1	1,4-Dioxane	500	425	85	48-146
594-20-7	2,2-Dichloropropane	25	25.1	100	74-139
124-48-1	Dibromochloromethane	25	24.3	97	78-122
75-71-8	Dichlorodifluoromethane	25	39.7	159	42-167
156-59-2	cis-1,2-Dichloroethylene	25	24.9	100	78-120
10061-01-5	cis-1,3-Dichloropropene	25	24.7	99	75-118
541-73-1	m-Dichlorobenzene	25	27.2	109	84-125
95-50-1	o-Dichlorobenzene	25	26.3	105	82-124
106-46-7	p-Dichlorobenzene	25	24.7	99	78-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO791-BS	O19865.D	1	10/31/13	MM	n/a	n/a	VO791

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-3, FA9297-4, FA9297-6, FA9297-7, FA9297-24, FA9297-26, FA9297-27, FA9297-28, FA9297-29, FA9297-30, FA9297-31, FA9297-37, FA9297-39

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
156-60-5	trans-1,2-Dichloroethylene	25	25.3	101	76-127
10061-02-6	trans-1,3-Dichloropropene	25	25.5	102	80-120
100-41-4	Ethylbenzene	25	25.0	100	81-121
591-78-6	2-Hexanone	125	125	100	61-129
87-68-3	Hexachlorobutadiene	25	26.4	106	75-142
98-82-8	Isopropylbenzene	25	28.0	112	83-132
99-87-6	p-Isopropyltoluene	25	27.0	108	79-130
108-10-1	4-Methyl-2-pentanone	125	124	99	66-122
74-83-9	Methyl bromide	25	25.9	104	59-143
74-87-3	Methyl chloride	25	27.0	108	50-159
74-95-3	Methylene bromide	25	24.5	98	78-119
75-09-2	Methylene chloride	25	25.3	101	69-135
78-93-3	Methyl ethyl ketone	125	130	104	56-143
1634-04-4	Methyl Tert Butyl Ether	25	21.9	88	72-117
91-20-3	Naphthalene	25	24.4	98	63-132
103-65-1	n-Propylbenzene	25	28.5	114	82-133
100-42-5	Styrene	25	24.5	98	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	24.1	96	77-122
71-55-6	1,1,1-Trichloroethane	25	25.2	101	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	24.7	99	72-120
79-00-5	1,1,2-Trichloroethane	25	24.8	99	76-119
87-61-6	1,2,3-Trichlorobenzene	25	25.3	101	68-131
96-18-4	1,2,3-Trichloropropane	25	24.8	99	77-120
120-82-1	1,2,4-Trichlorobenzene	25	25.4	102	73-129
95-63-6	1,2,4-Trimethylbenzene	25	25.7	103	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.3	101	79-120
127-18-4	Tetrachloroethylene	25	25.7	103	76-135
108-88-3	Toluene	25	25.0	100	80-120
79-01-6	Trichloroethylene	25	25.3	101	81-126
75-69-4	Trichlorofluoromethane	25	20.4	82	71-156
75-01-4	Vinyl chloride	25	28.9	116	69-159
108-05-4	Vinyl Acetate	125	123	98	43-154
	m,p-Xylene	50	52.2	104	79-126
95-47-6	o-Xylene	25	27.0	108	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO791-BS	O19865.D	1	10/31/13	MM	n/a	n/a	VO791

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-3, FA9297-4, FA9297-6, FA9297-7, FA9297-24, FA9297-26, FA9297-27, FA9297-28, FA9297-29, FA9297-30, FA9297-31, FA9297-37, FA9297-39

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	89%	79-125%
2037-26-5	Toluene-D8	101%	85-112%
460-00-4	4-Bromofluorobenzene	100%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VI197-BS	I15279.D	1	11/01/13	WV	n/a	n/a	VI197

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-13, FA9297-17

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
156-59-2	cis-1,2-Dichloroethylene	25	27.4	110	78-120
79-01-6	Trichloroethylene	25	28.2	113	81-126

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	93%	79-125%
2037-26-5	Toluene-D8	94%	85-112%
460-00-4	4-Bromofluorobenzene	92%	83-118%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO792-BS	O19894.D	1	11/01/13	MM	n/a	n/a	VO792

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-5, FA9297-8, FA9297-9, FA9297-10, FA9297-18, FA9297-19, FA9297-21, FA9297-22, FA9297-25, FA9297-26, FA9297-38, FA9297-40

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
67-64-1	Acetone	125	161	129	50-147
107-02-8	Acrolein	125	98.7	79	31-154
107-13-1	Acrylonitrile	125	120	96	58-126
71-43-2	Benzene	25	26.2	105	81-122
108-86-1	Bromobenzene	25	24.9	100	80-121
74-97-5	Bromochloromethane	25	22.9	92	76-123
75-27-4	Bromodichloromethane	25	25.9	104	79-123
75-25-2	Bromoform	25	24.5	98	66-123
104-51-8	n-Butylbenzene	25	26.2	105	79-126
135-98-8	sec-Butylbenzene	25	28.8	115	83-133
98-06-6	tert-Butylbenzene	25	27.9	112	80-133
108-90-7	Chlorobenzene	25	27.6	110	82-124
75-00-3	Chloroethane	25	25.1	100	62-144
67-66-3	Chloroform	25	25.3	101	80-124
95-49-8	o-Chlorotoluene	25	27.1	108	81-127
106-43-4	p-Chlorotoluene	25	27.8	111	83-130
110-75-8	2-Chloroethyl vinyl ether	125	120	96	56-122
75-15-0	Carbon disulfide	25	21.5	86	66-148
56-23-5	Carbon tetrachloride	25	25.2	101	76-136
75-34-3	1,1-Dichloroethane	25	26.0	104	81-122
75-35-4	1,1-Dichloroethylene	25	28.5	114	78-137
563-58-6	1,1-Dichloropropene	25	26.7	107	79-131
96-12-8	1,2-Dibromo-3-chloropropane	25	23.8	95	64-123
106-93-4	1,2-Dibromoethane	25	25.0	100	75-120
107-06-2	1,2-Dichloroethane	25	25.8	103	75-125
78-87-5	1,2-Dichloropropane	25	25.4	102	76-124
142-28-9	1,3-Dichloropropane	25	24.9	100	80-118
123-91-1	1,4-Dioxane	500	472	94	48-146
594-20-7	2,2-Dichloropropane	25	26.7	107	74-139
124-48-1	Dibromochloromethane	25	25.1	100	78-122
75-71-8	Dichlorodifluoromethane	25	41.5	166	42-167
156-59-2	cis-1,2-Dichloroethylene	25	25.0	100	78-120
10061-01-5	cis-1,3-Dichloropropene	25	25.5	102	75-118
541-73-1	m-Dichlorobenzene	25	27.2	109	84-125
95-50-1	o-Dichlorobenzene	25	26.6	106	82-124
106-46-7	p-Dichlorobenzene	25	24.9	100	78-120

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO792-BS	O19894.D	1	11/01/13	MM	n/a	n/a	VO792

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-5, FA9297-8, FA9297-9, FA9297-10, FA9297-18, FA9297-19, FA9297-21, FA9297-22, FA9297-25, FA9297-26, FA9297-38, FA9297-40

CAS No.	Compound	Spike ug/l	BSP ug/l	BSP %	Limits
156-60-5	trans-1,2-Dichloroethylene	25	26.7	107	76-127
10061-02-6	trans-1,3-Dichloropropene	25	26.3	105	80-120
100-41-4	Ethylbenzene	25	25.9	104	81-121
591-78-6	2-Hexanone	125	130	104	61-129
87-68-3	Hexachlorobutadiene	25	27.1	108	75-142
98-82-8	Isopropylbenzene	25	29.0	116	83-132
99-87-6	p-Isopropyltoluene	25	27.2	109	79-130
108-10-1	4-Methyl-2-pentanone	125	126	101	66-122
74-83-9	Methyl bromide	25	27.0	108	59-143
74-87-3	Methyl chloride	25	28.8	115	50-159
74-95-3	Methylene bromide	25	25.0	100	78-119
75-09-2	Methylene chloride	25	27.1	108	69-135
78-93-3	Methyl ethyl ketone	125	134	107	56-143
1634-04-4	Methyl Tert Butyl Ether	25	22.4	90	72-117
91-20-3	Naphthalene	25	23.9	96	63-132
103-65-1	n-Propylbenzene	25	28.6	114	82-133
100-42-5	Styrene	25	25.1	100	78-119
630-20-6	1,1,1,2-Tetrachloroethane	25	25.5	102	77-122
71-55-6	1,1,1-Trichloroethane	25	27.7	111	75-130
79-34-5	1,1,2,2-Tetrachloroethane	25	23.6	94	72-120
79-00-5	1,1,2-Trichloroethane	25	24.6	98	76-119
87-61-6	1,2,3-Trichlorobenzene	25	25.3	101	68-131
96-18-4	1,2,3-Trichloropropane	25	25.1	100	77-120
120-82-1	1,2,4-Trichlorobenzene	25	25.3	101	73-129
95-63-6	1,2,4-Trimethylbenzene	25	26.3	105	79-120
108-67-8	1,3,5-Trimethylbenzene	25	25.5	102	79-120
127-18-4	Tetrachloroethylene	25	26.0	104	76-135
108-88-3	Toluene	25	25.4	102	80-120
79-01-6	Trichloroethylene	25	26.5	106	81-126
75-69-4	Trichlorofluoromethane	25	23.0	92	71-156
75-01-4	Vinyl chloride	25	29.4	118	69-159
108-05-4	Vinyl Acetate	125	130	104	43-154
	m,p-Xylene	50	54.7	109	79-126
95-47-6	o-Xylene	25	28.0	112	80-127

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VO792-BS	O19894.D	1	11/01/13	MM	n/a	n/a	VO792

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-5, FA9297-8, FA9297-9, FA9297-10, FA9297-18, FA9297-19, FA9297-21, FA9297-22, FA9297-25, FA9297-26, FA9297-38, FA9297-40

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	79-125%
2037-26-5	Toluene-D8	100%	85-112%
460-00-4	4-Bromofluorobenzene	99%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA9241-2MS	I15275.D	1	10/31/13	WV	n/a	n/a	VI196
FA9241-2MSD	I15276.D	1	10/31/13	WV	n/a	n/a	VI196
FA9241-2	I15256.D	1	10/31/13	WV	n/a	n/a	VI196

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-2, FA9297-11, FA9297-12, FA9297-13, FA9297-14, FA9297-15, FA9297-16, FA9297-17, FA9297-20, FA9297-23, FA9297-32, FA9297-33, FA9297-34, FA9297-35, FA9297-36, FA9297-41

CAS No.	Compound	FA9241-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	82.9	66	85.0	68	3	50-147/21
107-02-8	Acrolein	ND		125	99.4	80	89.0	71	11	31-154/29
107-13-1	Acrylonitrile	ND		125	118	94	117	94	1	58-126/16
71-43-2	Benzene	ND		25	29.2	117	28.4	114	3	81-122/14
108-86-1	Bromobenzene	ND		25	27.4	110	27.2	109	1	80-121/14
74-97-5	Bromochloromethane	ND		25	24.6	98	24.8	99	1	76-123/14
75-27-4	Bromodichloromethane	ND		25	27.7	111	24.4	98	13	79-123/19
75-25-2	Bromoform	ND		25	23.1	92	20.7	83	11	66-123/21
104-51-8	n-Butylbenzene	ND		25	28.4	114	26.6	106	7	79-126/16
135-98-8	sec-Butylbenzene	ND		25	33.1	132	31.8	127	4	83-133/16
98-06-6	tert-Butylbenzene	ND		25	31.9	128	31.1	124	3	80-133/16
108-90-7	Chlorobenzene	ND		25	30.8	123	30.0	120	3	82-124/14
75-00-3	Chloroethane	ND		25	23.0	92	22.2	89	4	62-144/20
67-66-3	Chloroform	ND		25	27.8	111	27.2	109	2	80-124/15
95-49-8	o-Chlorotoluene	ND		25	30.8	123	29.5	118	4	81-127/15
106-43-4	p-Chlorotoluene	ND		25	32.6	130	31.2	125	4	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	56-122/23
75-15-0	Carbon disulfide	ND		25	21.4	86	19.1	76	11	66-148/23
56-23-5	Carbon tetrachloride	ND		25	28.9	116	25.1	100	14	76-136/23
75-34-3	1,1-Dichloroethane	ND		25	28.9	116	28.1	112	3	81-122/15
75-35-4	1,1-Dichloroethylene	ND		25	31.2	125	30.9	124	1	78-137/18
563-58-6	1,1-Dichloropropene	ND		25	31.4	126	29.7	119	6	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	28.1	112	26.1	104	7	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	27.1	108	27.0	108	0	75-120/13
107-06-2	1,2-Dichloroethane	ND		25	27.9	112	27.3	109	2	75-125/14
78-87-5	1,2-Dichloropropane	ND		25	28.7	115	28.1	112	2	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	27.2	109	27.3	109	0	80-118/13
123-91-1	1,4-Dioxane	ND		500	431	86	492	98	13	48-146/34
594-20-7	2,2-Dichloropropane	ND		25	24.2	97	23.5	94	3	74-139/17
124-48-1	Dibromochloromethane	ND		25	25.6	102	23.3	93	9	78-122/19
75-71-8	Dichlorodifluoromethane	ND		25	32.8	131	32.4	130	1	42-167/19
156-59-2	cis-1,2-Dichloroethylene	0.83	J	25	28.1	109	28.1	109	0	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		25	25.7	103	23.0	92	11	75-118/23
541-73-1	m-Dichlorobenzene	ND		25	30.9	124	29.6	118	4	84-125/14
95-50-1	o-Dichlorobenzene	ND		25	29.3	117	28.8	115	2	82-124/14
106-46-7	p-Dichlorobenzene	ND		25	27.8	111	26.7	107	4	78-120/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA9241-2MS	I15275.D	1	10/31/13	WV	n/a	n/a	VI196
FA9241-2MSD	I15276.D	1	10/31/13	WV	n/a	n/a	VI196
FA9241-2	I15256.D	1	10/31/13	WV	n/a	n/a	VI196

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-2, FA9297-11, FA9297-12, FA9297-13, FA9297-14, FA9297-15, FA9297-16, FA9297-17, FA9297-20, FA9297-23, FA9297-32, FA9297-33, FA9297-34, FA9297-35, FA9297-36, FA9297-41

CAS No.	Compound	FA9241-2 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-60-5	trans-1,2-Dichloroethylene	ND		25	28.6	114	27.2	109	5	76-127/17
10061-02-6	trans-1,3-Dichloropropene	ND		25	29.4	118	26.7	107	10	80-120/22
100-41-4	Ethylbenzene	ND		25	29.1	116	28.0	112	4	81-121/14
591-78-6	2-Hexanone	ND		125	115	92	119	95	3	61-129/18
87-68-3	Hexachlorobutadiene	ND		25	28.3	113	28.2	113	0	75-142/19
98-82-8	Isopropylbenzene	ND		25	32.3	129	31.3	125	3	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	31.8	127	30.2	121	5	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		125	134	107	137	110	2	66-122/16
74-83-9	Methyl bromide	ND		25	23.0	92	22.3	89	3	59-143/19
74-87-3	Methyl chloride	ND		25	25.4	102	24.9	100	2	50-159/19
74-95-3	Methylene bromide	ND		25	27.1	108	26.1	104	4	78-119/14
75-09-2	Methylene chloride	ND		25	29.2	117	28.7	115	2	69-135/16
78-93-3	Methyl ethyl ketone	ND		125	103	82	105	84	2	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		25	22.5	90	22.8	91	1	72-117/14
91-20-3	Naphthalene	ND		25	27.8	111	28.4	114	2	63-132/25
103-65-1	n-Propylbenzene	ND		25	32.3	129	30.8	123	5	82-133/15
100-42-5	Styrene	ND		25	26.0	104	24.4	98	6	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	29.2	117	27.6	110	6	77-122/19
71-55-6	1,1,1-Trichloroethane	ND		25	29.2	117	27.8	111	5	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	27.2	109	27.0	108	1	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		25	27.2	109	27.3	109	0	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	28.4	114	28.5	114	0	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		25	26.7	107	27.0	108	1	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		25	27.5	110	27.1	108	1	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		25	28.1	112	26.6	106	5	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	28.7	115	26.6	106	8	79-120/19
127-18-4	Tetrachloroethylene	0.44	J	25	25.9	102	24.8	97	4	76-135/16
108-88-3	Toluene	ND		25	28.6	114	28.2	113	1	80-120/14
79-01-6	Trichloroethylene	ND		25	30.1	120	29.8	119	1	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	21.3	85	20.5	82	4	71-156/21
75-01-4	Vinyl chloride	ND		25	24.0	96	23.7	95	1	69-159/18
108-05-4	Vinyl Acetate	ND		125	124	99	123	98	1	43-154/14
	m,p-Xylene	ND		50	62.2	124	59.1	118	5	79-126/15
95-47-6	o-Xylene	ND		25	31.6	126	30.7	123	3	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA9241-2MS	I15275.D	1	10/31/13	WV	n/a	n/a	VI196
FA9241-2MSD	I15276.D	1	10/31/13	WV	n/a	n/a	VI196
FA9241-2	I15256.D	1	10/31/13	WV	n/a	n/a	VI196

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-2, FA9297-11, FA9297-12, FA9297-13, FA9297-14, FA9297-15, FA9297-16, FA9297-17, FA9297-20, FA9297-23, FA9297-32, FA9297-33, FA9297-34, FA9297-35, FA9297-36, FA9297-41

CAS No.	Surrogate Recoveries	MS	MSD	FA9241-2	Limits
1868-53-7	Dibromofluoromethane	94%	93%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	96%	95%	97%	79-125%
2037-26-5	Toluene-D8	93%	95%	101%	85-112%
460-00-4	4-Bromofluorobenzene	91%	92%	101%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA9297-4MS	O19887.D	5	10/31/13	MM	n/a	n/a	VO791
FA9297-4MSD	O19888.D	5	10/31/13	MM	n/a	n/a	VO791
FA9297-4	O19873.D	5	10/31/13	MM	n/a	n/a	VO791

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-3, FA9297-4, FA9297-6, FA9297-7, FA9297-24, FA9297-26, FA9297-27, FA9297-28, FA9297-29, FA9297-30, FA9297-31, FA9297-37, FA9297-39

CAS No.	Compound	FA9297-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		625	584	93	619	99	6	50-147/21
107-02-8	Acrolein	ND		625	412	66	371	59	10	31-154/29
107-13-1	Acrylonitrile	ND		625	557	89	554	89	1	58-126/16
71-43-2	Benzene	ND		125	128	102	125	100	2	81-122/14
108-86-1	Bromobenzene	ND		125	127	102	123	98	3	80-121/14
74-97-5	Bromochloromethane	ND		125	113	90	112	90	1	76-123/14
75-27-4	Bromodichloromethane	ND		125	118	94	107	86	10	79-123/19
75-25-2	Bromoform	ND		125	98.4	79	90.4	72	8	66-123/21
104-51-8	n-Butylbenzene	ND		125	124	99	119	95	4	79-126/16
135-98-8	sec-Butylbenzene	ND		125	142	114	134	107	6	83-133/16
98-06-6	tert-Butylbenzene	ND		125	136	109	131	105	4	80-133/16
108-90-7	Chlorobenzene	ND		125	136	109	133	106	2	82-124/14
75-00-3	Chloroethane	ND		125	123	98	116	93	6	62-144/20
67-66-3	Chloroform	ND		125	123	98	120	96	2	80-124/15
95-49-8	o-Chlorotoluene	ND		125	136	109	130	104	5	81-127/15
106-43-4	p-Chlorotoluene	ND		125	138	110	134	107	3	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		625	ND	0*	ND	0*	nc	56-122/23
75-15-0	Carbon disulfide	ND		125	75.2	60*	69.3	55*	8	66-148/23
56-23-5	Carbon tetrachloride	ND		125	112	90	102	82	9	76-136/23
75-34-3	1,1-Dichloroethane	5.4		125	132	101	130	100	2	81-122/15
75-35-4	1,1-Dichloroethylene	2.0	J	125	138	109	140	110	1	78-137/18
563-58-6	1,1-Dichloropropene	ND		125	131	105	125	100	5	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		125	116	93	108	86	7	64-123/18
106-93-4	1,2-Dibromoethane	ND		125	120	96	120	96	0	75-120/13
107-06-2	1,2-Dichloroethane	ND		125	122	98	122	98	0	75-125/14
78-87-5	1,2-Dichloropropane	ND		125	125	100	122	98	2	76-124/14
142-28-9	1,3-Dichloropropane	ND		125	123	98	119	95	3	80-118/13
123-91-1	1,4-Dioxane	ND		2500	2210	88	2310	92	4	48-146/34
594-20-7	2,2-Dichloropropane	ND		125	103	82	97.6	78	5	74-139/17
124-48-1	Dibromochloromethane	ND		125	107	86	97.8	78	9	78-122/19
75-71-8	Dichlorodifluoromethane	ND		125	194	155	189	151	3	42-167/19
156-59-2	cis-1,2-Dichloroethylene	265		125	375	88	368	82	2	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		125	110	88	101	81	9	75-118/23
541-73-1	m-Dichlorobenzene	ND		125	134	107	129	103	4	84-125/14
95-50-1	o-Dichlorobenzene	ND		125	130	104	127	102	2	82-124/14
106-46-7	p-Dichlorobenzene	ND		125	124	99	120	96	3	78-120/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA9297-4MS	O19887.D	5	10/31/13	MM	n/a	n/a	VO791
FA9297-4MSD	O19888.D	5	10/31/13	MM	n/a	n/a	VO791
FA9297-4	O19873.D	5	10/31/13	MM	n/a	n/a	VO791

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-3, FA9297-4, FA9297-6, FA9297-7, FA9297-24, FA9297-26, FA9297-27, FA9297-28, FA9297-29, FA9297-30, FA9297-31, FA9297-37, FA9297-39

CAS No.	Compound	FA9297-4 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-60-5	trans-1,2-Dichloroethylene	2.0	J	125	128	101	126	99	2	76-127/17
10061-02-6	trans-1,3-Dichloropropene	ND		125	114	91	102	82	11	80-120/22
100-41-4	Ethylbenzene	ND		125	127	102	122	98	4	81-121/14
591-78-6	2-Hexanone	ND		625	608	97	629	101	3	61-129/18
87-68-3	Hexachlorobutadiene	ND		125	129	103	124	99	4	75-142/19
98-82-8	Isopropylbenzene	ND		125	142	114	136	109	4	83-132/15
99-87-6	p-Isopropyltoluene	ND		125	134	107	127	102	5	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		625	616	99	635	102	3	66-122/16
74-83-9	Methyl bromide	ND		125	127	102	122	98	4	59-143/19
74-87-3	Methyl chloride	ND		125	135	108	131	105	3	50-159/19
74-95-3	Methylene bromide	ND		125	123	98	121	97	2	78-119/14
75-09-2	Methylene chloride	ND		125	135	108	134	107	1	69-135/16
78-93-3	Methyl ethyl ketone	ND		625	592	95	611	98	3	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		125	109	87	108	86	1	72-117/14
91-20-3	Naphthalene	ND		125	115	92	118	94	3	63-132/25
103-65-1	n-Propylbenzene	ND		125	143	114	136	109	5	82-133/15
100-42-5	Styrene	ND		125	122	98	117	94	4	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		125	122	98	113	90	8	77-122/19
71-55-6	1,1,1-Trichloroethane	19.4		125	149	104	143	99	4	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		125	120	96	122	98	2	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		125	122	98	123	98	1	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		125	118	94	120	96	2	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		125	125	100	126	101	1	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		125	118	94	119	95	1	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		125	126	101	120	96	5	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		125	127	102	121	97	5	79-120/19
127-18-4	Tetrachloroethylene	448		125	535	70* [a]	512	51* [a]	4	76-135/16
108-88-3	Toluene	ND		125	124	99	122	98	2	80-120/14
79-01-6	Trichloroethylene	129		125	247	94	243	91	2	81-126/15
75-69-4	Trichlorofluoromethane	ND		125	107	86	101	81	6	71-156/21
75-01-4	Vinyl chloride	ND		125	144	115	137	110	5	69-159/18
108-05-4	Vinyl Acetate	ND		625	623	100	620	99	0	43-154/14
	m,p-Xylene	ND		250	263	105	256	102	3	79-126/15
95-47-6	o-Xylene	ND		125	136	109	132	106	3	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA9297-4MS	O19887.D	5	10/31/13	MM	n/a	n/a	VO791
FA9297-4MSD	O19888.D	5	10/31/13	MM	n/a	n/a	VO791
FA9297-4	O19873.D	5	10/31/13	MM	n/a	n/a	VO791

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-3, FA9297-4, FA9297-6, FA9297-7, FA9297-24, FA9297-26, FA9297-27, FA9297-28, FA9297-29, FA9297-30, FA9297-31, FA9297-37, FA9297-39

CAS No.	Surrogate Recoveries	MS	MSD	FA9297-4	Limits
1868-53-7	Dibromofluoromethane	97%	97%	99%	83-118%
17060-07-0	1,2-Dichloroethane-D4	91%	91%	96%	79-125%
2037-26-5	Toluene-D8	100%	99%	100%	85-112%
460-00-4	4-Bromofluorobenzene	101%	100%	100%	83-118%

(a) Outside control limits due to high level in sample relative to spike amount.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA9397-10MS	I15291.D	1	11/01/13	WV	n/a	n/a	VI197
FA9397-10MSD	I15292.D	1	11/01/13	WV	n/a	n/a	VI197
FA9397-10	I15287.D	1	11/01/13	WV	n/a	n/a	VI197

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-1, FA9297-13, FA9297-17

CAS No.	Compound	FA9397-10 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-59-2	cis-1,2-Dichloroethylene	1.0 U		25	26.7	107	26.2	105	2	78-120/15
79-01-6	Trichloroethylene	1.0 U		25	29.7	119	26.9	108	10	81-126/15

CAS No.	Surrogate Recoveries	MS	MSD	FA9397-10	Limits
1868-53-7	Dibromofluoromethane	94%	97%	96%	83-118%
17060-07-0	1,2-Dichloroethane-D4	94%	96%	97%	79-125%
2037-26-5	Toluene-D8	94%	93%	102%	85-112%
460-00-4	4-Bromofluorobenzene	89%	92%	98%	83-118%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA9297-8MS	O19917.D	1	11/01/13	MM	n/a	n/a	VO792
FA9297-8MSD	O19918.D	1	11/01/13	MM	n/a	n/a	VO792
FA9297-8	O19897.D	1	11/01/13	MM	n/a	n/a	VO792

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-5, FA9297-8, FA9297-9, FA9297-10, FA9297-18, FA9297-19, FA9297-21, FA9297-22, FA9297-25, FA9297-26, FA9297-38, FA9297-40

CAS No.	Compound	FA9297-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	ND		125	104	83	108	86	4	50-147/21
107-02-8	Acrolein	ND		125	76.9	62	69.8	56	10	31-154/29
107-13-1	Acrylonitrile	ND		125	105	84	104	83	1	58-126/16
71-43-2	Benzene	ND		25	24.0	96	22.9	92	5	81-122/14
108-86-1	Bromobenzene	ND		25	23.6	94	23.7	95	0	80-121/14
74-97-5	Bromochloromethane	ND		25	22.5	90	21.9	88	3	76-123/14
75-27-4	Bromodichloromethane	ND		25	26.0	104	23.2	93	11	79-123/19
75-25-2	Bromoform	ND		25	22.3	89	21.6	86	3	66-123/21
104-51-8	n-Butylbenzene	ND		25	24.4	98	24.0	96	2	79-126/16
135-98-8	sec-Butylbenzene	ND		25	27.1	108	26.8	107	1	83-133/16
98-06-6	tert-Butylbenzene	ND		25	27.9	112	28.0	112	0	80-133/16
108-90-7	Chlorobenzene	ND		25	27.2	109	26.5	106	3	82-124/14
75-00-3	Chloroethane	ND		25	18.5	74	19.4	78	5	62-144/20
67-66-3	Chloroform	0.28	J	25	26.0	103	25.1	99	4	80-124/15
95-49-8	o-Chlorotoluene	ND		25	26.0	104	26.0	104	0	81-127/15
106-43-4	p-Chlorotoluene	ND		25	26.6	106	26.7	107	0	83-130/15
110-75-8	2-Chloroethyl vinyl ether	ND		125	ND	0*	ND	0*	nc	56-122/23
75-15-0	Carbon disulfide	ND		25	16.3	65*	14.8	59*	10	66-148/23
56-23-5	Carbon tetrachloride	ND		25	26.9	108	23.6	94	13	76-136/23
75-34-3	1,1-Dichloroethane	ND		25	24.7	99	23.9	96	3	81-122/15
75-35-4	1,1-Dichloroethylene	0.23	J	25	28.8	114	28.4	113	1	78-137/18
563-58-6	1,1-Dichloropropene	ND		25	26.1	104	25.3	101	3	79-131/16
96-12-8	1,2-Dibromo-3-chloropropane	ND		25	24.9	100	24.2	97	3	64-123/18
106-93-4	1,2-Dibromoethane	ND		25	23.7	95	23.7	95	0	75-120/13
107-06-2	1,2-Dichloroethane	ND		25	30.3	121	29.3	117	3	75-125/14
78-87-5	1,2-Dichloropropane	ND		25	22.1	88	21.5	86	3	76-124/14
142-28-9	1,3-Dichloropropane	ND		25	23.2	93	22.8	91	2	80-118/13
123-91-1	1,4-Dioxane	ND		500	411	82	428	86	4	48-146/34
594-20-7	2,2-Dichloropropane	ND		25	24.2	97	22.9	92	6	74-139/17
124-48-1	Dibromochloromethane	ND		25	23.6	94	21.4	86	10	78-122/19
75-71-8	Dichlorodifluoromethane	ND		25	42.4	170*	41.6	166	2	42-167/19
156-59-2	cis-1,2-Dichloroethylene	9.5		25	32.6	92	31.3	87	4	78-120/15
10061-01-5	cis-1,3-Dichloropropene	ND		25	22.1	88	20.1	80	9	75-118/23
541-73-1	m-Dichlorobenzene	ND		25	26.5	106	26.4	106	0	84-125/14
95-50-1	o-Dichlorobenzene	ND		25	25.9	104	26.8	107	3	82-124/14
106-46-7	p-Dichlorobenzene	ND		25	24.5	98	24.5	98	0	78-120/15

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA9297-8MS	O19917.D	1	11/01/13	MM	n/a	n/a	VO792
FA9297-8MSD	O19918.D	1	11/01/13	MM	n/a	n/a	VO792
FA9297-8	O19897.D	1	11/01/13	MM	n/a	n/a	VO792

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-5, FA9297-8, FA9297-9, FA9297-10, FA9297-18, FA9297-19, FA9297-21, FA9297-22, FA9297-25, FA9297-26, FA9297-38, FA9297-40

CAS No.	Compound	FA9297-8 ug/l	Q	Spike ug/l	MS ug/l	MS %	MSD ug/l	MSD %	RPD	Limits Rec/RPD
156-60-5	trans-1,2-Dichloroethylene	ND		25	25.3	101	23.8	95	6	76-127/17
10061-02-6	trans-1,3-Dichloropropene	ND		25	24.0	96	22.3	89	7	80-120/22
100-41-4	Ethylbenzene	ND		25	25.3	101	24.9	100	2	81-121/14
591-78-6	2-Hexanone	ND		125	133	106	140	112	5	61-129/18
87-68-3	Hexachlorobutadiene	ND		25	24.7	99	24.6	98	0	75-142/19
98-82-8	Isopropylbenzene	ND		25	28.9	116	28.0	112	3	83-132/15
99-87-6	p-Isopropyltoluene	ND		25	25.8	103	25.5	102	1	79-130/16
108-10-1	4-Methyl-2-pentanone	ND		125	133	106	139	111	4	66-122/16
74-83-9	Methyl bromide	ND		25	20.6	82	21.6	86	5	59-143/19
74-87-3	Methyl chloride	ND		25	23.8	95	25.7	103	8	50-159/19
74-95-3	Methylene bromide	ND		25	26.3	105	26.3	105	0	78-119/14
75-09-2	Methylene chloride	ND		25	27.3	109	26.3	105	4	69-135/16
78-93-3	Methyl ethyl ketone	ND		125	127	102	131	105	3	56-143/18
1634-04-4	Methyl Tert Butyl Ether	ND		25	22.1	88	21.9	88	1	72-117/14
91-20-3	Naphthalene	ND		25	21.9	88	23.3	93	6	63-132/25
103-65-1	n-Propylbenzene	ND		25	26.9	108	26.5	106	1	82-133/15
100-42-5	Styrene	ND		25	23.1	92	21.6	86	7	78-119/23
630-20-6	1,1,1,2-Tetrachloroethane	ND		25	26.5	106	24.6	98	7	77-122/19
71-55-6	1,1,1-Trichloroethane	0.42	J	25	29.6	117	28.3	112	4	75-130/16
79-34-5	1,1,2,2-Tetrachloroethane	ND		25	23.2	93	24.1	96	4	72-120/14
79-00-5	1,1,2-Trichloroethane	ND		25	23.9	96	23.4	94	2	76-119/14
87-61-6	1,2,3-Trichlorobenzene	ND		25	23.2	93	24.6	98	6	68-131/25
96-18-4	1,2,3-Trichloropropane	ND		25	24.7	99	26.2	105	6	77-120/16
120-82-1	1,2,4-Trichlorobenzene	ND		25	22.8	91	23.5	94	3	73-129/20
95-63-6	1,2,4-Trimethylbenzene	ND		25	24.0	96	23.5	94	2	79-120/18
108-67-8	1,3,5-Trimethylbenzene	ND		25	24.3	97	24.0	96	1	79-120/19
127-18-4	Tetrachloroethylene	42.6		25	64.6	88	61.6	76	5	76-135/16
108-88-3	Toluene	ND		25	23.7	95	23.2	93	2	80-120/14
79-01-6	Trichloroethylene	7.0		25	34.2	109	33.9	108	1	81-126/15
75-69-4	Trichlorofluoromethane	ND		25	24.3	97	22.8	91	6	71-156/21
75-01-4	Vinyl chloride	ND		25	20.5	82	22.7	91	10	69-159/18
108-05-4	Vinyl Acetate	ND		125	134	107	131	105	2	43-154/14
	m,p-Xylene	ND		50	53.3	107	51.9	104	3	79-126/15
95-47-6	o-Xylene	ND		25	27.1	108	26.5	106	2	80-127/14

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA9297-8MS	O19917.D	1	11/01/13	MM	n/a	n/a	VO792
FA9297-8MSD	O19918.D	1	11/01/13	MM	n/a	n/a	VO792
FA9297-8	O19897.D	1	11/01/13	MM	n/a	n/a	VO792

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA9297-5, FA9297-8, FA9297-9, FA9297-10, FA9297-18, FA9297-19, FA9297-21, FA9297-22, FA9297-25, FA9297-26, FA9297-38, FA9297-40

CAS No.	Surrogate Recoveries	MS	MSD	FA9297-8	Limits
1868-53-7	Dibromofluoromethane	103%	101%	101%	83-118%
17060-07-0	1,2-Dichloroethane-D4	110%	109%	97%	79-125%
2037-26-5	Toluene-D8	95%	96%	100%	85-112%
460-00-4	4-Bromofluorobenzene	97%	100%	101%	83-118%

* = Outside of Control Limits.

Instrument Performance Check (BFB)

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI195-BFB
Lab File ID: I15238.D
Instrument ID: GCMSI
Injection Date: 10/30/13
Injection Time: 13:41

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	62256	20.6		Pass
75	30.0 - 60.0% of mass 95	159019	52.6		Pass
95	Base peak, 100% relative abundance	302229	100.0		Pass
96	5.0 - 9.0% of mass 95	20710	6.85		Pass
173	Less than 2.0% of mass 174	1557	0.52	(0.65) [a]	Pass
174	50.0 - 100.0% of mass 95	238336	78.9		Pass
175	5.0 - 9.0% of mass 174	17003	5.63	(7.13) [a]	Pass
176	95.0 - 101.0% of mass 174	237333	78.5	(99.6) [a]	Pass
177	5.0 - 9.0% of mass 176	15161	5.02	(6.39) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI195-IC195	I15239.D	10/30/13	14:06	00:25	Initial cal 1
VI195-IC195	I15240.D	10/30/13	14:30	00:49	Initial cal 2
VI195-IC195	I15241.D	10/30/13	14:55	01:14	Initial cal 3
VI195-ICC195	I15242.D	10/30/13	15:19	01:38	Initial cal 4
VI195-IC195	I15243.D	10/30/13	15:43	02:02	Initial cal 5
VI195-IC195	I15244.D	10/30/13	16:08	02:27	Initial cal 6
VI195-ICV195	I15246.D	10/30/13	16:55	03:14	Initial cal verification 4
VI195-ICV195	I15249.D	10/30/13	19:13	05:32	Initial cal verification 4

Instrument Performance Check (BFB)

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI196-BFB
Lab File ID: I15251.D
Instrument ID: GCMSI
Injection Date: 10/31/13
Injection Time: 09:14

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	72595	20.2		Pass
75	30.0 - 60.0% of mass 95	185301	51.6		Pass
95	Base peak, 100% relative abundance	358933	100.0		Pass
96	5.0 - 9.0% of mass 95	25152	7.01		Pass
173	Less than 2.0% of mass 174	1653	0.46	(0.62) [a]	Pass
174	50.0 - 100.0% of mass 95	267883	74.6		Pass
175	5.0 - 9.0% of mass 174	19868	5.54	(7.42) [a]	Pass
176	95.0 - 101.0% of mass 174	265536	74.0	(99.1) [a]	Pass
177	5.0 - 9.0% of mass 176	17863	4.98	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI196-CC195	I15252.D	10/31/13	10:01	00:47	Continuing cal 4
VI196-BS	I15253.D	10/31/13	10:42	01:28	Blank Spike
VI196-MB	I15254.D	10/31/13	11:06	01:52	Method Blank
ZZZZZZ	I15255.D	10/31/13	11:47	02:33	(unrelated sample)
FA9241-2	I15256.D	10/31/13	12:11	02:57	(used for QC only; not part of job FA9297)
ZZZZZZ	I15257.D	10/31/13	12:35	03:21	(unrelated sample)
FA9297-1	I15258.D	10/31/13	13:58	04:44	SK-1D
FA9297-2	I15259.D	10/31/13	14:22	05:08	SK-1S
FA9297-11	I15260.D	10/31/13	14:46	05:32	SK-6S
FA9297-12	I15261.D	10/31/13	15:09	05:55	SK-7D
FA9297-13	I15262.D	10/31/13	15:33	06:19	SK-8D
FA9297-14	I15263.D	10/31/13	15:57	06:43	SK-8S
FA9297-15	I15264.D	10/31/13	16:21	07:07	SK-9D
FA9297-16	I15265.D	10/31/13	16:45	07:31	SK-10S
FA9297-17	I15266.D	10/31/13	17:09	07:55	SK-11S
FA9297-20	I15267.D	10/31/13	17:33	08:19	SK-13S
FA9297-23	I15268.D	10/31/13	17:57	08:43	WND-32S
FA9297-32	I15269.D	10/31/13	18:21	09:07	SR-SW-1
FA9297-33	I15270.D	10/31/13	18:45	09:31	SR-SW-2
FA9297-34	I15271.D	10/31/13	19:09	09:55	SR-SW-3
FA9297-35	I15272.D	10/31/13	19:32	10:18	SR-SW-4
FA9297-36	I15273.D	10/31/13	19:56	10:42	SR-SW-5
FA9297-41	I15274.D	10/31/13	20:20	11:06	TRIP BLANK
FA9241-2MS	I15275.D	10/31/13	20:44	11:30	Matrix Spike

Instrument Performance Check (BFB)

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI196-BFB
Lab File ID: I15251.D
Instrument ID: GCMSI
Injection Date: 10/31/13
Injection Time: 09:14

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
FA9241-2MSD	I15276.D	10/31/13	21:07	11:53	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI197-BFB
Lab File ID: I15277.D
Instrument ID: GCMSI
Injection Date: 11/01/13
Injection Time: 07:39

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	59253	21.0		Pass
75	30.0 - 60.0% of mass 95	148867	52.8		Pass
95	Base peak, 100% relative abundance	281707	100.0		Pass
96	5.0 - 9.0% of mass 95	18854	6.69		Pass
173	Less than 2.0% of mass 174	1437	0.51	(0.67) [a]	Pass
174	50.0 - 100.0% of mass 95	215872	76.6		Pass
175	5.0 - 9.0% of mass 174	15547	5.52	(7.20) [a]	Pass
176	95.0 - 101.0% of mass 174	209792	74.5	(97.2) [a]	Pass
177	5.0 - 9.0% of mass 176	13750	4.88	(6.55) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VI197-CC195	I15278.D	11/01/13	08:22	00:43	Continuing cal 4
VI197-BS	I15279.D	11/01/13	08:59	01:20	Blank Spike
VI197-MB	I15280.D	11/01/13	09:23	01:44	Method Blank
ZZZZZZ	I15281.D	11/01/13	09:51	02:12	(unrelated sample)
ZZZZZZ	I15282.D	11/01/13	10:15	02:36	(unrelated sample)
ZZZZZZ	I15283.D	11/01/13	10:39	03:00	(unrelated sample)
FA9297-1	I15284.D	11/01/13	11:03	03:24	SK-1D
FA9297-13	I15285.D	11/01/13	11:27	03:48	SK-8D
FA9297-17	I15286.D	11/01/13	11:51	04:12	SK-11S
FA9397-10	I15287.D	11/01/13	12:15	04:36	(used for QC only; not part of job FA9297)
ZZZZZZ	I15288.D	11/01/13	12:39	05:00	(unrelated sample)
ZZZZZZ	I15289.D	11/01/13	13:03	05:24	(unrelated sample)
ZZZZZZ	I15290.D	11/01/13	13:28	05:49	(unrelated sample)
FA9397-10MS	I15291.D	11/01/13	13:52	06:13	Matrix Spike
FA9397-10MSD	I15292.D	11/01/13	14:18	06:39	Matrix Spike Duplicate
ZZZZZZ	I15293.D	11/01/13	14:42	07:03	(unrelated sample)
ZZZZZZ	I15294.D	11/01/13	15:06	07:27	(unrelated sample)
ZZZZZZ	I15295.D	11/01/13	15:29	07:50	(unrelated sample)
ZZZZZZ	I15296.D	11/01/13	15:53	08:14	(unrelated sample)
ZZZZZZ	I15297.D	11/01/13	16:17	08:38	(unrelated sample)
ZZZZZZ	I15298.D	11/01/13	16:41	09:02	(unrelated sample)
ZZZZZZ	I15299.D	11/01/13	17:05	09:26	(unrelated sample)
ZZZZZZ	I15300.D	11/01/13	17:29	09:50	(unrelated sample)
ZZZZZZ	I15301.D	11/01/13	17:52	10:13	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI197-BFB
Lab File ID: I15277.D
Instrument ID: GCMSI
Injection Date: 11/01/13
Injection Time: 07:39

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
ZZZZZZ	I15302.D	11/01/13	18:16	10:37	(unrelated sample)

Instrument Performance Check (BFB)

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VO791-BFB
Lab File ID: O19854.D
Instrument ID: GCMSO
Injection Date: 10/31/13
Injection Time: 08:25

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	64867	32.2		Pass
75	30.0 - 60.0% of mass 95	105533	52.3		Pass
95	Base peak, 100% relative abundance	201749	100.0		Pass
96	5.0 - 9.0% of mass 95	14529	7.20		Pass
173	Less than 2.0% of mass 174	1343	0.67	(0.90) [a]	Pass
174	50.0 - 100.0% of mass 95	148507	73.6		Pass
175	5.0 - 9.0% of mass 174	11257	5.58	(7.58) [a]	Pass
176	95.0 - 101.0% of mass 174	142349	70.6	(95.9) [a]	Pass
177	5.0 - 9.0% of mass 176	9008	4.46	(6.33) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO791-IC791	O19855.D	10/31/13	09:17	00:52	Initial cal 1
VO791-IC791	O19856.D	10/31/13	09:47	01:22	Initial cal 2
VO791-IC791	O19857.D	10/31/13	10:08	01:43	Initial cal 3
VO791-ICC791	O19858.D	10/31/13	10:29	02:04	Initial cal 4
VO791-IC791	O19859.D	10/31/13	10:50	02:25	Initial cal 5
VO791-IC791	O19860.D	10/31/13	11:11	02:46	Initial cal 6
VO791-ICV791	O19862.D	10/31/13	12:24	03:59	Initial cal verification 4

Instrument Performance Check (BFB)

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VO791-BFB
Lab File ID: O19863.D
Instrument ID: GCMSO
Injection Date: 10/31/13
Injection Time: 12:57

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	72040	30.3		Pass
75	30.0 - 60.0% of mass 95	120747	50.8		Pass
95	Base peak, 100% relative abundance	237739	100.0		Pass
96	5.0 - 9.0% of mass 95	16967	7.14		Pass
173	Less than 2.0% of mass 174	1376	0.58	(0.81) [a]	Pass
174	50.0 - 100.0% of mass 95	169899	71.5		Pass
175	5.0 - 9.0% of mass 174	12693	5.34	(7.47) [a]	Pass
176	95.0 - 101.0% of mass 174	164331	69.1	(96.7) [a]	Pass
177	5.0 - 9.0% of mass 176	11065	4.65	(6.73) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO791-CC791	O19864.D	10/31/13	13:31	00:34	Continuing cal 4
VO791-BS	O19865.D	10/31/13	14:11	01:14	Blank Spike
VO791-MB	O19866.D	10/31/13	14:32	01:35	Method Blank
ZZZZZZ	O19868.D	10/31/13	15:26	02:29	(unrelated sample)
ZZZZZZ	O19869.D	10/31/13	15:47	02:50	(unrelated sample)
ZZZZZZ	O19870.D	10/31/13	16:09	03:12	(unrelated sample)
ZZZZZZ	O19871.D	10/31/13	16:30	03:33	(unrelated sample)
FA9297-3	O19872.D	10/31/13	16:51	03:54	SK-2D
FA9297-4	O19873.D	10/31/13	17:12	04:15	SK-2S
FA9297-6	O19875.D	10/31/13	17:55	04:58	SK-3S
FA9297-7	O19876.D	10/31/13	18:16	05:19	SK-4D
FA9297-24	O19877.D	10/31/13	18:37	05:40	WND-32DR
FA9297-26	O19878.D	10/31/13	18:58	06:01	RSC-1
FA9297-27	O19879.D	10/31/13	19:19	06:22	MW-10
FA9297-28	O19880.D	10/31/13	19:41	06:44	MW-11
FA9297-29	O19881.D	10/31/13	20:02	07:05	MW-14
FA9297-30	O19882.D	10/31/13	20:23	07:26	MW-15
FA9297-31	O19883.D	10/31/13	20:44	07:47	MW-18
FA9297-37	O19884.D	10/31/13	21:05	08:08	DUP-1
FA9297-39	O19885.D	10/31/13	21:27	08:30	FB-1
ZZZZZZ	O19886.D	10/31/13	21:48	08:51	(unrelated sample)
FA9297-4MS	O19887.D	10/31/13	22:09	09:12	Matrix Spike
FA9297-4MSD	O19888.D	10/31/13	22:30	09:33	Matrix Spike Duplicate

Instrument Performance Check (BFB)

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VO792-BFB
Lab File ID: O19891.D
Instrument ID: GCMSO
Injection Date: 11/01/13
Injection Time: 07:34

m/e	Ion Abundance Criteria	Raw Abundance	% Relative Abundance		Pass/Fail
50	15.0 - 40.0% of mass 95	69461	32.5		Pass
75	30.0 - 60.0% of mass 95	109013	51.0		Pass
95	Base peak, 100% relative abundance	213803	100.0		Pass
96	5.0 - 9.0% of mass 95	14975	7.00		Pass
173	Less than 2.0% of mass 174	1272	0.59	(0.83) [a]	Pass
174	50.0 - 100.0% of mass 95	153003	71.6		Pass
175	5.0 - 9.0% of mass 174	11554	5.40	(7.55) [a]	Pass
176	95.0 - 101.0% of mass 174	152085	71.1	(99.4) [a]	Pass
177	5.0 - 9.0% of mass 176	9923	4.64	(6.52) [b]	Pass

(a) Value is % of mass 174
(b) Value is % of mass 176

This check applies to the following Samples, MS, MSD, Blanks, and Standards:

Lab Sample ID	Lab File ID	Date Analyzed	Time Analyzed	Hours Lapsed	Client Sample ID
VO792-CC791	O19893.D	11/01/13	08:58	01:24	Continuing cal 4
VO792-BS	O19894.D	11/01/13	09:29	01:55	Blank Spike
VO792-MB	O19896.D	11/01/13	10:30	02:56	Method Blank
FA9297-8	O19897.D	11/01/13	10:55	03:21	SK-4S
FA9297-9	O19898.D	11/01/13	11:16	03:42	SK-5D
FA9297-10	O19899.D	11/01/13	11:37	04:03	SK-5S
FA9297-18	O19900.D	11/01/13	11:58	04:24	SK-12D
FA9297-19	O19901.D	11/01/13	12:20	04:46	SK-12S
FA9297-21	O19902.D	11/01/13	12:41	05:07	SK-B92
FA9297-38	O19905.D	11/01/13	14:02	06:28	DUP-2
FA9297-40	O19906.D	11/01/13	15:29	07:55	FB-2
ZZZZZZ	O19907.D	11/01/13	15:50	08:16	(unrelated sample)
FA9297-5	O19908.D	11/01/13	16:11	08:37	SK-3D
FA9297-26	O19909.D	11/01/13	16:33	08:59	RSC-1
ZZZZZZ	O19910.D	11/01/13	16:54	09:20	(unrelated sample)
FA9297-19	O19911.D	11/01/13	17:15	09:41	SK-12S
FA9297-21	O19912.D	11/01/13	17:37	10:03	SK-B92
FA9297-22	O19913.D	11/01/13	17:58	10:24	SK-B68
FA9297-25	O19914.D	11/01/13	18:19	10:45	HR1-03
ZZZZZZ	O19915.D	11/01/13	18:41	11:07	(unrelated sample)
ZZZZZZ	O19916.D	11/01/13	19:02	11:28	(unrelated sample)
FA9297-8MS	O19917.D	11/01/13	19:23	11:49	Matrix Spike
FA9297-8MSD	O19918.D	11/01/13	19:44	12:10	Matrix Spike Duplicate

Volatile Internal Standard Area Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Check Std:	VI196-CC195	**Injection Date:**	10/31/13
Lab File ID:	I15252.D	**Injection Time:**	10:01
Instrument ID:	GCMSI	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	1610543	7.60	1287618	10.70	652672	13.07	122548	5.21
Check Std [b]	1682209	7.59	1335976	10.69	658594	13.07	122304	5.19
Upper Limit [c]	3364418	8.09	2671952	11.19	1317188	13.57	244608	5.69
Lower Limit [d]	841105	7.09	667988	10.19	329297	12.57	61152	4.69

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VI196-BS	1586710	7.59	1243210	10.69	627069	13.07	121207	5.19
VI196-MB	1567834	7.60	1160745	10.70	553002	13.07	112547	5.20
ZZZZZZ	1510095	7.59	1117261	10.70	516680	13.07	83681	5.19
FA9241-2	1489490	7.60	1095750	10.70	507598	13.07	88286	5.19
ZZZZZZ	1417340	7.60	1062417	10.70	503806	13.07	93024	5.19
FA9297-1	1380891	7.59	1044771	10.70	485365	13.07	138416	5.19
FA9297-2	1356324	7.60	1006217	10.70	465853	13.07	85202	5.20
FA9297-11	1341619	7.60	998381	10.70	467994	13.07	86403	5.19
FA9297-12	1318219	7.60	974036	10.70	456713	13.07	90030	5.19
FA9297-13	1308304	7.60	967597	10.70	448759	13.07	76097	5.19
FA9297-14	1248442	7.60	938245	10.70	446236	13.07	78344	5.19
FA9297-15	1281191	7.60	953246	10.70	447705	13.07	84214	5.20
FA9297-16	1281441	7.60	953874	10.70	441840	13.07	80045	5.19
FA9297-17	1290279	7.60	966696	10.70	449968	13.07	78125	5.20
FA9297-20	1250906	7.60	940237	10.70	438438	13.07	78242	5.19
FA9297-23	1294409	7.60	977367	10.70	456453	13.07	86486	5.19
FA9297-32	1258559	7.60	947460	10.70	451531	13.07	78717	5.19
FA9297-33	1253785	7.60	955729	10.70	436926	13.07	77078	5.20
FA9297-34	1209222	7.60	918490	10.70	437307	13.07	74714	5.19
FA9297-35	1207656	7.60	917638	10.70	434863	13.07	77540	5.21
FA9297-36	1202563	7.60	906832	10.70	427876	13.07	75150	5.20
FA9297-41	1184668	7.60	890625	10.70	418317	13.07	72421	5.19
FA9241-2MS	1421878	7.60	1113785	10.70	551894	13.07	87351	5.19
FA9241-2MSD	1513936	7.60	1154489	10.70	573422	13.07	100486	5.19

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VI195-ICC195 I15242.D 10/30/13 15:19
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Check Std:	VI196-CC195	**Injection Date:**	10/31/13
Lab File ID:	I15252.D	**Injection Time:**	10:01
Instrument ID:	GCMSI	**Method:**	SW846 8260B

Lab	IS 1		IS 2		IS 3		IS 4	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Check Std:	VI197-CC195	**Injection Date:**	11/01/13
Lab File ID:	I15278.D	**Injection Time:**	08:22
Instrument ID:	GCMSI	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	1610543	7.60	1287618	10.70	652672	13.07	122548	5.21
Check Std [b]	1435354	7.59	1138211	10.69	575659	13.07	98400	5.19
Upper Limit [c]	2870708	8.09	2276422	11.19	1151318	13.57	196800	5.69
Lower Limit [d]	717677	7.09	569106	10.19	287830	12.57	49200	4.69

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VI197-BS	1456625	7.59	1130590	10.70	567102	13.07	100707	5.19
VI197-MB	1249822	7.60	933672	10.70	438565	13.07	83999	5.19
ZZZZZZ	1321255	7.60	961812	10.70	439427	13.07	65217	5.19
ZZZZZZ	1285608	7.60	946050	10.70	433260	13.07	67346	5.21
ZZZZZZ	1236253	7.60	907291	10.70	423718	13.07	71157	5.19
FA9297-1	1200391	7.60	905362	10.70	428437	13.07	73738	5.19
FA9297-13	1186392	7.60	890369	10.70	421150	13.07	72852	5.19
FA9297-17	1190312	7.60	896355	10.70	410457	13.07	72983	5.20
FA9397-10	1142709	7.60	859291	10.70	401691	13.07	60311	5.20
ZZZZZZ	1164265	7.60	878656	10.70	406844	13.07	61319	5.19
ZZZZZZ	1137331	7.60	863907	10.70	402059	13.07	63632	5.20
ZZZZZZ	1121028	7.60	861718	10.70	402167	13.07	64842	5.19
FA9397-10MS	1323039	7.60	1024487	10.70	523310	13.07	77557	5.20
FA9397-10MSD	1443083	7.59	1128591	10.70	558842	13.07	93424	5.21
ZZZZZZ	1234993	7.60	912335	10.70	422223	13.07	82368	5.20
ZZZZZZ	1160847	7.60	867463	10.70	410477	13.07	77268	5.19
ZZZZZZ	1152942	7.60	861957	10.70	398525	13.07	76024	5.21
ZZZZZZ	1126634	7.60	858410	10.70	393558	13.07	73808	5.20
ZZZZZZ	1333943	7.60	958215	10.70	431842	13.07	81601	5.20
ZZZZZZ	1177560	7.60	877319	10.70	407367	13.07	76722	5.19
ZZZZZZ	1135202	7.60	852377	10.70	401952	13.07	74606	5.19
ZZZZZZ	1129677	7.60	855965	10.70	393587	13.07	72778	5.19
ZZZZZZ	1134221	7.60	841557	10.70	392197	13.07	71918	5.20
ZZZZZZ	1122260	7.60	833664	10.70	385978	13.07	69515	5.19

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VI195-ICC195 I15242.D 10/30/13 15:19
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Check Std:	VI197-CC195	**Injection Date:**	11/01/13
Lab File ID:	I15278.D	**Injection Time:**	08:22
Instrument ID:	GCMSI	**Method:**	SW846 8260B

Lab	IS 1		IS 2		IS 3		IS 4	
Sample ID	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**	**AREA**	**RT**

(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Check Std:	VO791-CC791	**Injection Date:**	10/31/13
Lab File ID:	O19864.D	**Injection Time:**	13:31
Instrument ID:	GCMSO	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	1184987	7.49	890569	10.63	500080	13.10	129698	5.10
Check Std [b]	1369091	7.49	1009975	10.63	560743	13.10	152339	5.10
Upper Limit [c]	2738182	7.99	2019950	11.13	1121486	13.60	304678	5.60
Lower Limit [d]	684546	6.99	504988	10.13	280372	12.60	76170	4.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VO791-BS	1337276	7.49	1005025	10.63	546544	13.10	149489	5.10
VO791-MB	1267108	7.49	948628	10.63	508892	13.10	132388	5.11
ZZZZZZ	1110719	7.49	835101	10.63	453177	13.10	108431	5.10
ZZZZZZ	1036608	7.49	783198	10.63	427137	13.10	103321	5.10
ZZZZZZ	977236	7.49	743586	10.63	398516	13.10	101009	5.10
ZZZZZZ	945671	7.49	715195	10.63	384115	13.10	99170	5.09
FA9297-3	944017	7.49	727737	10.63	386417	13.10	93288	5.10
FA9297-4	904411	7.49	683504	10.63	366743	13.10	87997	5.10
FA9297-6	878369	7.49	661089	10.63	355502	13.10	86862	5.10
FA9297-7	840885	7.49	631994	10.63	338072	13.10	83137	5.10
FA9297-24	806904	7.49	608864	10.63	329899	13.10	81136	5.10
FA9297-26	768589	7.49	583572	10.63	317649	13.10	75720*	5.10
FA9297-27	726791	7.49	572482	10.63	316544	13.10	79353	5.10
FA9297-28	865110	7.48	713026	10.63	394586	13.10	91493	5.09
FA9297-29	993629	7.49	785340	10.63	445260	13.10	105225	5.10
FA9297-30	1114783	7.49	854345	10.63	465726	13.10	126377	5.10
FA9297-31	1171857	7.49	894010	10.63	485812	13.10	128481	5.10
FA9297-37	1163398	7.49	876383	10.63	476745	13.10	119880	5.10
FA9297-39	1131564	7.49	841539	10.63	457915	13.10	120409	5.10
ZZZZZZ	1095546	7.48	821962	10.63	455342	13.10	116869	5.09
FA9297-4MS	1192224	7.49	901716	10.63	499026	13.10	133729	5.10
FA9297-4MSD	1209702	7.49	913209	10.63	509866	13.10	140964	5.10

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VO791-ICC791 O19858.D 10/31/13 10:29
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.

Volatile Internal Standard Area Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Check Std:	VO792-CC791	**Injection Date:**	11/01/13
Lab File ID:	O19893.D	**Injection Time:**	08:58
Instrument ID:	GCMSO	**Method:**	SW846 8260B

	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
Initial Cal [a]	1184987	7.49	890569	10.63	500080	13.10	129698	5.10
Check Std [b]	1121317	7.49	839599	10.63	472743	13.10	123863	5.10
Upper Limit [c]	2242634	7.99	1679198	11.13	945486	13.60	247726	5.60
Lower Limit [d]	560659	6.99	419800	10.13	236372	12.60	61932	4.60

Lab Sample ID	IS 1 AREA	RT	IS 2 AREA	RT	IS 3 AREA	RT	IS 4 AREA	RT
VO792-BS	1139732	7.48	859542	10.63	486497	13.10	126552	5.10
VO792-MB	1028894	7.49	768262	10.63	419562	13.10	116470	5.10
FA9297-8	949212	7.49	715064	10.63	386859	13.10	75478	5.10
FA9297-9	898016	7.49	677740	10.63	364897	13.10	78544	5.10
FA9297-10	857225	7.49	663818	10.63	355695	13.10	78321	5.10
FA9297-18	836583	7.49	638226	10.63	341200	13.10	81151	5.10
FA9297-19	807093	7.49	617543	10.63	335398	13.10	81471	5.10
FA9297-21	769339	7.49	599681	10.63	321268	13.10	75270	5.10
FA9297-38	693491	7.49	538156	10.63	288049	13.10	74037	5.10
FA9297-40	681719	7.48	515606	10.63	277892	13.10	63684	5.10
ZZZZZZ	642288	7.49	503291	10.63	272299	13.10	65628	5.11
FA9297-5	625233	7.49	482201	10.63	279738	13.10	65375	5.10
FA9297-26 [e]	619559	7.49	476490	10.63	260068	13.10	65755	5.10
ZZZZZZ	622385	7.49	488060	10.63	304432	13.10	66486	5.10
FA9297-19	626051	7.49	481574	10.63	260581	13.10	67643	5.10
FA9297-21	613253	7.49	476603	10.63	255562	13.10	69491	5.10
FA9297-22	588335	7.48	455361	10.63	248746	13.10	65966	5.10
FA9297-25	583333	7.49	455224	10.63	246001	13.10	62991	5.11
ZZZZZZ	577627	7.49	452549	10.63	249808	13.10	63496	5.10
ZZZZZZ	560857	7.49	434112	10.63	237110	13.10	62037	5.11
FA9297-8MS	620511	7.49	497141	10.63	298628	13.10	72058	5.10
FA9297-8MSD	672641	7.48	519368	10.63	306173	13.10	80987	5.10

IS 1 = Fluorobenzene
IS 2 = Chlorobenzene-D5
IS 3 = 1,4-Dichlorobenzene-d4
IS 4 = Tert Butyl Alcohol-D10

(a) Initial Cal is: VO791-ICC791 O19858.D 10/31/13 10:29
(b) Check Std Limit = -50 to + 100% of initial cal area.
(c) Upper Limit = + 100% of check standard area; Retention time + 0.5 minutes.
(d) Lower Limit = -50% of check standard area; Retention time -0.5 minutes.
(e) Sample vial(s) contained significant headspace; reported results are considered minimum values.

Volatile Surrogate Recovery Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
FA9297-1	I15284.D	97.0	100.0	101.0	100.0
FA9297-1	I15258.D	94.0	98.0	101.0	99.0
FA9297-2	I15259.D	95.0	98.0	102.0	99.0
FA9297-3	O19872.D	99.0	96.0	99.0	99.0
FA9297-4	O19873.D	99.0	96.0	100.0	100.0
FA9297-5	O19908.D	105.0	109.0	100.0	100.0
FA9297-6	O19875.D	99.0	96.0	101.0	100.0
FA9297-7	O19876.D	100.0	97.0	100.0	100.0
FA9297-8	O19897.D	101.0	97.0	100.0	101.0
FA9297-9	O19898.D	101.0	99.0	100.0	102.0
FA9297-10	O19899.D	102.0	99.0	97.0	101.0
FA9297-11	I15260.D	96.0	98.0	101.0	99.0
FA9297-12	I15261.D	95.0	99.0	101.0	98.0
FA9297-13	I15285.D	97.0	100.0	101.0	98.0
FA9297-13	I15262.D	97.0	99.0	101.0	99.0
FA9297-14	I15263.D	98.0	100.0	97.0	96.0
FA9297-15	I15264.D	97.0	99.0	101.0	97.0
FA9297-16	I15265.D	97.0	100.0	98.0	98.0
FA9297-17	I15286.D	97.0	100.0	101.0	99.0
FA9297-17	I15266.D	97.0	99.0	101.0	98.0
FA9297-18	O19900.D	102.0	102.0	100.0	101.0
FA9297-19	O19911.D	105.0	110.0	100.0	102.0
FA9297-19	O19901.D	102.0	102.0	101.0	101.0
FA9297-20	I15267.D	96.0	100.0	101.0	98.0
FA9297-21	O19912.D	106.0	111.0	99.0	102.0
FA9297-21	O19902.D	103.0	102.0	98.0	100.0
FA9297-22	O19913.D	106.0	112.0	97.0	100.0
FA9297-23	I15268.D	97.0	98.0	99.0	98.0
FA9297-24	O19877.D	100.0	98.0	100.0	100.0
FA9297-25	O19914.D	105.0	111.0	98.0	100.0
FA9297-26	O19909.D	106.0	111.0	100.0	101.0
FA9297-26	O19878.D	100.0	100.0	100.0	98.0
FA9297-27	O19879.D	104.0	102.0	99.0	100.0
FA9297-28	O19880.D	103.0	101.0	97.0	100.0
FA9297-29	O19881.D	101.0	98.0	96.0	98.0
FA9297-30	O19882.D	99.0	94.0	97.0	100.0
FA9297-31	O19883.D	99.0	93.0	97.0	99.0
FA9297-32	I15269.D	97.0	100.0	101.0	97.0
FA9297-33	I15270.D	96.0	100.0	100.0	100.0
FA9297-34	I15271.D	97.0	100.0	100.0	96.0

Volatile Surrogate Recovery Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Method: SW846 8260B **Matrix:** AQ

Samples and QC shown here apply to the above method

Lab Sample ID	Lab File ID	S1	S2	S3	S4
FA9297-35	I15272.D	95.0	99.0	100.0	96.0
FA9297-36	I15273.D	96.0	99.0	102.0	97.0
FA9297-37	O19884.D	97.0	92.0	100.0	101.0
FA9297-38	O19905.D	105.0	107.0	98.0	102.0
FA9297-39	O19885.D	99.0	94.0	100.0	100.0
FA9297-40	O19906.D	103.0	106.0	100.0	102.0
FA9297-41	I15274.D	96.0	100.0	102.0	98.0
FA9241-2MS	I15275.D	94.0	96.0	93.0	91.0
FA9241-2MSD	I15276.D	93.0	95.0	95.0	92.0
FA9297-4MS	O19887.D	97.0	91.0	100.0	101.0
FA9297-4MSD	O19888.D	97.0	91.0	99.0	100.0
FA9297-8MS	O19917.D	103.0	110.0	95.0	97.0
FA9297-8MSD	O19918.D	101.0	109.0	96.0	100.0
FA9397-10MS	I15291.D	94.0	94.0	94.0	89.0
FA9397-10MSD	I15292.D	97.0	96.0	93.0	92.0
VI196-BS	I15253.D	97.0	94.0	94.0	92.0
VI196-MB	I15254.D	95.0	98.0	100.0	99.0
VI197-BS	I15279.D	96.0	93.0	94.0	92.0
VI197-MB	I15280.D	95.0	98.0	100.0	99.0
VO791-BS	O19865.D	96.0	89.0	101.0	100.0
VO791-MB	O19866.D	96.0	90.0	100.0	100.0
VO792-BS	O19894.D	99.0	94.0	100.0	99.0
VO792-MB	O19896.D	100.0	98.0	100.0	100.0

Surrogate Compounds	Recovery Limits
S1 = Dibromofluoromethane	83-118%
S2 = 1,2-Dichloroethane-D4	79-125%
S3 = Toluene-D8	85-112%
S4 = 4-Bromofluorobenzene	83-118%

Initial Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Sample: VI195-ICC195
Lab FileID: I15242.D

Response Factor Report MSVOA16

Method : C:\msdchem\2\METHODS\8260iapp.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Oct 31 11:13:36 2013
Response via : Initial Calibration

Calibration Files
1 =i15239.D 2 =i15240.D 3 =i15241.D 4 =i15242.D
5 =i15243.D 6 =i15244.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------							
2)		Dichlorodifluoromet	0.244	0.290	0.246	0.242	0.247	0.256	0.254	7.17
3)	P	Chloromethane	0.441	0.449	0.376	0.383	0.368	0.385	0.401	8.79
4)	C	Vinyl Chloride	0.486	0.520	0.456	0.448	0.443	0.453	0.468	6.34
5)		Bromomethane	0.414	0.417	0.354	0.342	0.329	0.322	0.363	11.60
6)		Chloroethane	0.335	0.302	0.259	0.252	0.233	0.203	0.264	17.94
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
		Response Ratio = 0.00000 + 0.28761 *A + -0.04158 *A^2								
7)		Trichlorofluorometh	0.761	0.797	0.726	0.735	0.752	0.771	0.757	3.38
		---- Quadratic regr., Force(0,0) ---- Coefficient = 1.0000								
		Response Ratio = 0.00000 + 0.71231 *A + 0.02923 *A^2								
8)		Ethyl Ether	0.290	0.285	0.265	0.260	0.268	0.269	0.273	4.36
9)		1,2-Dichlorotrifluo	0.533	0.484	0.436	0.402	0.413	0.417	0.447	11.34
10)	C	1,1-Dichloroethene	0.551	0.535	0.497	0.467	0.487	0.493	0.505	6.23
11)		Freon 113	0.426	0.446	0.411	0.374	0.390	0.398	0.408	6.38
12)		Carbon Disulfide	1.315	1.270	1.165	1.096	1.135	1.175	1.193	6.99
13)		Iodomethane	0.741	0.733	0.652	0.632	0.658	0.691	0.685	6.55
14)		Allyl chloride	0.594	0.506	0.460	0.452	0.457	0.479	0.491	10.98
15)		Methylene Chloride	0.847	0.490	0.421	0.388	0.391	0.393	0.488	36.86
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997								
		Response Ratio = 0.00000 + 0.39755 *A + -0.00308 *A^2								
16)		Acetone	0.123	0.101	0.093	0.087	0.085	0.091	0.097	14.67
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9989								
		Response Ratio = 0.00000 + 0.08344 *A + 0.00062 *A^2								
17)		Methyl acetate	0.211	0.216	0.209	0.213	0.212	0.222	0.214	2.15
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998								
		Response Ratio = 0.00000 + 0.20109 *A + 0.00201 *A^2								
18)		trans-1,2-Dichloroe	0.409	0.421	0.399	0.385	0.413	0.420	0.408	3.36
19)		Hexane	0.202	0.204	0.203	0.185	0.204	0.202	0.200	3.67
20)		Methyl Tert Butyl E	0.691	0.676	0.688	0.700	0.731	0.759	0.707	4.42
21)		Acetonitrile	0.028	0.029	0.025	0.024	0.023	0.025	0.026	9.01
22)		Di-isopropyl ether	0.927	0.883	0.890	0.883	0.917	0.936	0.906	2.60
23)		Chloroprene	0.366	0.392	0.398	0.409	0.427	0.446	0.406	6.90
24)	P	1,1-Dichloroethane	0.524	0.539	0.514	0.496	0.522	0.523	0.520	2.76
25)		Acrylonitrile	0.061	0.071	0.075	0.081	0.080	0.081	0.075	10.55
26)		ETBE	0.761	0.777	0.821	0.825	0.876	0.908	0.828	6.79
27)		Vinyl acetate	0.308	0.368	0.397	0.427	0.434	0.433	0.395	12.61
28)		cis-1,2-Dichloroeth	0.287	0.279	0.283	0.281	0.299	0.305	0.289	3.72
29)		2,2-Dichloropropane	0.392	0.389	0.377	0.376	0.397	0.401	0.389	2.66
30)		Bromochloromethane	0.138	0.142	0.143	0.146	0.157	0.163	0.148	6.37
31)		Cyclohexane	0.396	0.408	0.436	0.418	0.446	0.454	0.426	5.32

Initial Calibration Summary

Job Number: FA9297 **Sample:** VI195-ICC195
Account: CCCOB Cameron-Cole, LLC **Lab FileID:** I15242.D
Project: Wichita Sampling Event; Wichita, KS

32)	C	Chloroform	0.565	0.540	0.532	0.522	0.542	0.547	0.541	2.74
33)		Ethyl acetate	0.170	0.196	0.204	0.220	0.221	0.223	0.206	9.97
34)		Tetrahydrofuran	0.078	0.061	0.057	0.059	0.059	0.061	0.063	12.20
35)	S	Dibromofluoromethan	0.264	0.278	0.285	0.275	0.298	0.301	0.283	4.92
36)		Carbon Tetrachlorid	0.349	0.354	0.375	0.366	0.402	0.414	0.377	6.97
37)		1,1,1-Trichloroetha	0.444	0.428	0.424	0.414	0.438	0.446	0.432	2.87
38)		2-Butanone	0.112	0.111	0.111	0.110	0.109	0.114	0.111	1.64
39)		1,1-Dichloropropene	0.358	0.364	0.375	0.355	0.379	0.383	0.369	3.19
40)		Propionitrile	0.029	0.032	0.032	0.032	0.033	0.034	0.032	5.66
41)		Methacrylonitrile	0.141	0.158	0.163	0.163	0.167	0.173	0.161	6.93
42)		Benzene	1.071	1.069	1.084	1.051	1.114	1.132	1.087	2.80
43)		TAME	0.698	0.729	0.773	0.786	0.829	0.865	0.780	7.89
44)	S	1,2-Dichloroethane-	0.319	0.330	0.331	0.306	0.324	0.324	0.322	2.83
45)		1,2-Dichloroethane	0.414	0.396	0.382	0.364	0.373	0.374	0.384	4.71
46)		Trichloroethene	0.287	0.290	0.295	0.285	0.310	0.318	0.297	4.60
47)		Methylcyclohexane	0.414	0.444	0.471	0.461	0.494	0.509	0.466	7.42
48)		Dibromomethane	0.174	0.180	0.179	0.178	0.185	0.187	0.181	2.57
49)	C	1,2-Dichloropropane	0.298	0.288	0.280	0.277	0.287	0.292	0.287	2.66
50)		Bromodichloromethan	0.344	0.365	0.376	0.376	0.394	0.400	0.376	5.41
51)		Methyl methacrylate	0.150	0.173	0.188	0.194	0.198	0.203	0.184	10.82
52)		2-Chloroethyl vinyl	0.126	0.145	0.161	0.165	0.177	0.183	0.159	13.34
53)		cis-1,3-Dichloropro	0.380	0.404	0.443	0.457	0.484	0.493	0.444	10.03
54)	I	Chlorobenzene-d5	----------ISTD----------							
55)	S	Toluene-d8	1.323	1.417	1.395	1.208	1.294	1.274	1.318	5.90
56)	C	Toluene	1.584	1.589	1.536	1.448	1.510	1.515	1.530	3.41
57)		2-Nitropropane	0.051	0.053	0.063	0.065	0.066	0.068	0.061	11.76
58)		4-Methyl-2-pentanon	0.243	0.270	0.282	0.274	0.275	0.277	0.270	5.09
59)		trans-1,3-Dichlorop	0.388	0.463	0.510	0.499	0.520	0.526	0.484	10.75
60)		Tetrachloroethene	0.369	0.377	0.390	0.410	0.458	0.511	0.419	13.19
61)		Ethyl methacrylate	0.291	0.365	0.414	0.414	0.415	0.422	0.387	13.21
62)		1,1,2-Trichloroetha	0.273	0.269	0.278	0.260	0.259	0.256	0.266	3.27
63)		Dibromochloromethan	0.282	0.312	0.343	0.354	0.368	0.377	0.340	10.68
64)		1,3-Dichloropropane	0.555	0.534	0.540	0.511	0.511	0.508	0.526	3.66
65)		1,2-Dibromoethane	0.298	0.281	0.299	0.296	0.302	0.302	0.297	2.62
66)		2-hexanone	0.177	0.198	0.213	0.209	0.206	0.210	0.202	6.70
67)		1-Chlorohexane	0.403	0.478	0.518	0.492	0.531	0.526	0.491	9.71
68)	C	Ethylbenzene	1.888	1.849	1.828	1.779	1.881	1.911	1.856	2.57
69)	P	Chlorobenzene	1.020	1.014	1.003	0.999	1.058	1.092	1.031	3.54
70)		1,1,1,2-Tetrachloro	0.313	0.322	0.346	0.342	0.357	0.370	0.342	6.26
71)		m,p-Xylene	1.139	1.247	1.336	1.314	1.394	1.394	1.304	7.49
72)		o-Xylene	1.050	1.115	1.232	1.191	1.253	1.276	1.186	7.37
73)		Styrene	0.740	0.872	1.009	1.035	1.113	1.152	0.987	15.69

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9999
Response Ratio = 0.00000 + 0.97764 *A + 0.08861 *A^2

74)	P	Bromoform	0.145	0.163	0.196	0.207	0.232	0.243	0.198	19.30

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997
Response Ratio = 0.00000 + 0.18946 *A + 0.02732 *A^2

75)		Isopropylbenzene	1.152	1.338	1.482	1.458	1.556	1.588	1.429	11.28

---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9998
Response Ratio = 0.00000 + 1.42003 *A + 0.08579 *A^2

76)	I	1,4-Dichlorobenzene-d	----------ISTD----------							
77)	S	4-Bromofluorobenzen	0.766	0.801	0.804	0.698	0.802	0.801	0.779	5.40
78)		cis-1,4-Dichloro-2-	0.022	0.077	0.116	0.132	0.144	0.151	0.107	45.99

---- Linear regr., Force(0,0) ---- Coefficient = 0.9976
Response Ratio = 0.00000 + 0.14625 *A

Initial Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI195-ICC195
Lab FileID: I15242.D

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 79)     n-Propylbenzene     3.429 3.685 3.765 3.665 4.015 3.979 3.756   5.79
 80)     Bromobenzene        0.852 0.851 0.857 0.870 0.961 0.992 0.897   6.97
 81) P   1,1,2,2-Tetrachloro 0.833 0.804 0.811 0.768 0.772 0.752 0.790   3.87
 82)     1,3,5-Trimethylbenz 2.329 2.658 2.897 2.915 3.235 3.322 2.893  12.70
 83)     2-Chlorotoluene     2.468 2.563 2.640 2.590 2.837 2.898 2.666   6.27
 84)     trans-1,4-Dichloro- 0.051 0.099 0.141 0.157 0.169 0.176 0.132  36.69
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 0.14286 *A + 0.01697 *A^2

 85)     1,2,3-Trichloroprop 0.213 0.213 0.213 0.204 0.209 0.207 0.210   1.86
 86)     Cyclohexanone       0.014 0.019 0.022 0.022 0.021 0.021 0.020  14.81
 87)     4-Chlorotoluene     2.036 2.172 2.285 2.181 2.332 2.325 2.222   5.14
 88)     tert-Butylbenzene   1.222 1.447 1.523 1.437 1.536 1.514 1.447   8.12
 89)     1,2,4-Trimethylbenz 2.357 2.749 2.929 2.887 3.105 3.122 2.858   9.89
 90)     Pentachloroethane   0.361 0.436 0.464 0.412 0.432 0.395 0.417   8.57
 91)     sec-Butylbenzene    2.724 3.207 3.406 3.292 3.536 3.496 3.277   9.09
 92)     4-Isopropyltoluene  2.132 2.488 2.773 2.751 3.023 3.024 2.698  12.67
 93)     1,3-Dichlorobenzene 1.382 1.452 1.466 1.435 1.556 1.594 1.481   5.34
 94)     1,4-Dichlorobenzene 1.735 1.730 1.692 1.682 1.783 1.839 1.743   3.38
 95)     n-Butylbenzene      1.426 1.607 1.778 1.722 1.880 1.896 1.718  10.38
 96)     Benzyl Chloride     0.157 0.186 0.247 0.269 0.302 0.308 0.245  25.18
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9992
               Response Ratio = 0.00000 + 0.25149 *A + 0.02949 *A^2

 97)     1,2-Dichlorobenzene 1.398 1.344 1.393 1.376 1.482 1.490 1.414   4.18
 98)     1,2-Dibromo-3-Chlor 0.104 0.096 0.109 0.108 0.102 0.096 0.102   5.45
 99)     Hexachlorobutadiene 0.456 0.482 0.467 0.448 0.463 0.439 0.459   3.27
100)     1,2,4-Trichlorobenz 0.885 0.982 0.986 0.994 0.981 0.926 0.959   4.55
101)     Naphthalene         1.603 1.816 1.981 2.042 1.853 1.668 1.827   9.36
102)     1,2,3-Trichlorobenz 0.810 0.860 0.875 0.888 0.763 0.682 0.813   9.74

103) I   Tert Butyl Alcohol-d1 ----------------ISTD---------------------
104)     Ethanol             0.435 0.261 0.219 0.191 0.171 0.165 0.240  42.28
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9963
               Response Ratio = 0.00000 + 0.17086 *A

105)     Acrolein            4.684 3.954 3.484 3.078 2.878 2.883 3.494  20.46
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9986
               Response Ratio = 0.00000 + 2.91617 *A

106)     Tert Butyl Alcohol  1.122 1.239 1.240 1.169 1.163 1.169 1.184   3.95
107)     Isobutyl alcohol    0.359 0.383 0.381 0.364 0.365 0.363 0.369   2.75
108)     Tert Amyl Alcohol   0.847 0.913 0.971 1.000 0.989 1.001 0.954   6.48
109)     1,4-Dioxane         0.094 0.123 0.131 0.133 0.128 0.123 0.122  11.65
 ---------------------------------------------------------------------------
 (#) = Out of Range

           8260iapp.M        Thu Oct 31 16:02:07 2013
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6.7.1

6

Initial Calibration Verification

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI195-ICV195
Lab FileID: I15246.D

Evaluate Continuing Calibration Report

Data File : C:\msdchem\2\DATA\103013\i15246.D Vial: 16
Acq On : 30 Oct 2013 4:55 pm Operator: WILFREDO
Sample : icv195-4 Inst : MSVOA16
Misc : ms25522,vi195,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\2\METHODS\8260iapp.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B
Last Update : Thu Oct 31 11:13:36 2013
Response via : Multiple Level Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 20% Max. Rel. Area : 200%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	109	0.00	7.60
2		Dichlorodifluoromethane	0.254	0.312	-22.8#	140	0.00	2.71
3	P	Chloromethane	0.401	0.369	8.0	104	0.00	2.90
4	C	Vinyl Chloride	0.468	0.416	11.1	101	0.00	3.02
5		Bromomethane	0.363	0.315	13.2	100	0.00	3.42
			Amount	Calc.	%Drift			
6		Chloroethane	40.000	34.193	14.5	95	0.00	3.57
7		Trichlorofluoromethane	40.000	31.112	22.2#	84	0.00	3.75
			AvgRF	CCRF	%Dev			
8		Ethyl Ether	0.273	0.262	4.0	110	0.00	4.04
9		1,2-Dichlorotrifluoroetha	0.447	0.453	-1.3	122	0.00	4.27
10	C	1,1-Dichloroethene	0.505	0.562	-11.3	131	0.00	4.30
11		Freon 113	0.408	0.392	3.9	114	0.00	4.35
12		Carbon Disulfide	1.193	1.117	6.4	111	0.00	4.36
13		Iodomethane	0.685	0.694	-1.3	119	0.00	4.48
14		Allyl chloride	0.491	0.431	12.2	103	0.00	4.81
			Amount	Calc.	%Drift			
15		Methylene Chloride	40.000	43.805	-9.5	121	0.00	4.93
16		Acetone	200.000	168.141	15.9	90	0.00	4.98
17		Methyl acetate	200.000	164.999	17.5	87	0.00	5.09
			AvgRF	CCRF	%Dev			
18		trans-1,2-Dichloroethene	0.408	0.429	-5.1	121	0.00	5.10
19		Hexane	0.200	0.210	-5.0	123	0.00	5.15
20		Methyl Tert Butyl Ether	0.707	0.684	3.3	106	0.00	5.21
21		Acetonitrile	0.026	0.021	19.2	97	0.00	5.50
22		Di-isopropyl ether	0.906	0.885	2.3	109	0.00	5.57
23		Chloroprene	0.406	0.401	1.2	106	0.00	5.72
24	P	1,1-Dichloroethane	0.520	0.544	-4.6	119	0.00	5.75
25		Acrylonitrile	0.075	0.082	-9.3	110	0.00	5.82
26		ETBE	0.828	0.805	2.8	106	0.00	5.97
27		Vinyl acetate	0.395	0.460	-16.5	117	0.00	5.98
28		cis-1,2-Dichloroethene	0.289	0.309	-6.9	119	0.00	6.32
29		2,2-Dichloropropane	0.389	0.445	-14.4	128	0.00	6.45
30		Bromochloromethane	0.148	0.144	2.7	107	0.00	6.53
31		Cyclohexane	0.426	0.447	-4.9	116	0.00	6.54
32	C	Chloroform	0.541	0.563	-4.1	117	0.00	6.58
33		Ethyl acetate	0.206	0.210	-1.9	103	0.00	6.68
34		Tetrahydrofuran	0.063	0.057	9.5	104	0.00	6.76

Initial Calibration Verification

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI195-ICV195
Lab FileID: I15246.D

35	S	Dibromofluoromethane	0.283	0.275	2.8	109	0.00	6.78
36		Carbon Tetrachloride	0.377	0.411	-9.0	122	0.00	6.75
37		1,1,1-Trichloroethane	0.432	0.466	-7.9	122	0.00	6.83
38		2-Butanone	0.111	0.100	9.9	98	0.00	6.89
39		1,1-Dichloropropene	0.369	0.412	-11.7	126	0.00	6.93
40		Propionitrile	0.032	0.028	12.5	95	0.00	7.22
41		Methacrylonitrile	0.161	0.146	9.3	97	0.00	7.24
42		Benzene	1.087	1.149	-5.7	119	0.00	7.19
43		TAME	0.780	0.755	3.2	104	0.00	7.27
44	S	1,2-Dichloroethane-d4	0.322	0.310	3.7	110	0.00	7.33
45		1,2-Dichloroethane	0.384	0.405	-5.5	121	0.00	7.40
46		Trichloroethene	0.297	0.321	-8.1	122	0.00	7.76
47		Methylcyclohexane	0.466	0.473	-1.5	111	0.00	7.76
48		Dibromomethane	0.181	0.188	-3.9	115	0.00	8.20
49	C	1,2-Dichloropropane	0.287	0.303	-5.6	119	0.00	8.30
50		Bromodichloromethane	0.376	0.407	-8.2	118	0.00	8.34
51		Methyl methacrylate	0.184	0.184	0.0	103	0.00	8.45
52		2-Chloroethyl vinyl ether	0.159	0.178	-11.9	117	0.00	8.88
53		cis-1,3-Dichloropropene	0.444	0.486	-9.5	115	0.00	8.96
54	I	Chlorobenzene-d5	1.000	1.000	0.0	109	0.00	10.70
55	S	Toluene-d8	1.318	1.217	7.7	110	0.00	9.14
56	C	Toluene	1.530	1.581	-3.3	119	0.00	9.20
57		2-Nitropropane	0.061	0.059	3.3	99	0.00	9.44
58		4-Methyl-2-pentanone	0.270	0.274	-1.5	109	0.00	9.55
59		trans-1,3-Dichloropropene	0.484	0.579	-19.6	127	0.00	9.60
60		Tetrachloroethene	0.419	0.409	2.4	109	0.00	9.58
61		Ethyl methacrylate	0.387	0.350	9.6	92	0.00	9.71
62		1,1,2-Trichloroethane	0.266	0.269	-1.1	113	0.00	9.77
63		Dibromochloromethane	0.340	0.377	-10.9	116	0.00	9.95
64		1,3-Dichloropropane	0.526	0.539	-2.5	115	0.00	10.05
65		1,2-Dibromoethane	0.297	0.318	-7.1	117	0.00	10.21
66		2-hexanone	0.202	0.188	6.9	98	0.00	10.38
67		1-Chlorohexane	0.491	0.475	3.3	105	0.00	10.66
68	C	Ethylbenzene	1.856	1.951	-5.1	120	0.00	10.72
69	P	Chlorobenzene	1.031	1.179	-14.4	129	0.00	10.72
70		1,1,1,2-Tetrachloroethane	0.342	0.386	-12.9	123	0.00	10.77
71		m,p-Xylene	1.304	1.490	-14.3	124	0.00	10.86
72		o-Xylene	1.186	1.405	-18.5	129	0.00	11.30
		----------	Amount	Calc.	%Drift	----------		
73		Styrene	40.000	42.271	-5.7	117	0.00	11.35
74	P	Bromoform	40.000	42.358	-5.9	119	0.00	11.41
75		Isopropylbenzene	40.000	46.675	-16.7	131	0.00	11.61
		----------	AvgRF	CCRF	%Dev	----------		
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	108	0.00	13.07
77	S	4-Bromofluorobenzene	0.779	0.724	7.1	112	0.00	11.92
		----------	Amount	Calc.	%Drift	----------		
78		cis-1,4-Dichloro-2-butene	40.000	38.732	3.2	116	0.00	11.97
		----------	AvgRF	CCRF	%Dev	----------		
79		n-Propylbenzene	3.756	4.407	-17.3	129	0.00	12.03
80		Bromobenzene	0.897	0.964	-7.5	119	0.00	12.04
81	P	1,1,2,2-Tetrachloroethane	0.790	0.806	-2.0	113	0.00	12.10
82		1,3,5-Trimethylbenzene	2.893	3.155	-9.1	116	0.00	12.22
83		2-Chlorotoluene	2.666	3.024	-13.4	126	0.00	12.21

Initial Calibration Verification

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI195-ICV195
Lab FileID: I15246.D

		Amount	Calc.	%Drift			
84	trans-1,4-Dichloro-2-Bute	40.000	39.626	0.9	106	0.00	12.29

		AvgRF	CCRF	%Dev			
85	1,2,3-Trichloropropane	0.210	0.220	-4.8	116	0.00	12.27
86	Cyclohexanone	0.020	0.020	0.0	98	0.00	12.33
87	4-Chlorotoluene	2.222	2.662	-19.8	131	0.00	12.38
88	tert-Butylbenzene	1.447	1.662	-14.9	124	0.00	12.55
89	1,2,4-Trimethylbenzene	2.858	3.076	-7.6	115	0.00	12.63
90	Pentachloroethane	0.417	0.475	-13.9	124	0.00	12.60
91	sec-Butylbenzene	3.277	3.888	-18.6	127	0.00	12.73
92	4-Isopropyltoluene	2.698	3.203	-18.7	125	0.00	12.88
93	1,3-Dichlorobenzene	1.481	1.746	-17.9	131	0.00	13.00
94	1,4-Dichlorobenzene	1.743	1.828	-4.9	117	0.00	13.09
95	n-Butylbenzene	1.718	1.816	-5.7	113	0.00	13.31

		Amount	Calc.	%Drift			
96	Benzyl Chloride	40.000	38.430	3.9	105	0.00	13.33

		AvgRF	CCRF	%Dev			
97	1,2-Dichlorobenzene	1.414	1.603	-13.4	125	0.00	13.52
98	1,2-Dibromo-3-Chloropropa	0.102	0.111	-8.8	111	0.00	14.28
99	Hexachlorobutadiene	0.459	0.496	-8.1	119	0.00	14.82
100	1,2,4-Trichlorobenzene	0.959	1.043	-8.8	113	0.00	14.87
101	Naphthalene	1.827	2.056	-12.5	108	0.00	15.16
102	1,2,3-Trichlorobenzene	0.813	0.898	-10.5	109	0.00	15.33
103 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	104	0.00	5.20

		Amount	Calc.	%Drift			
104	Ethanol	800.000	799.323	0.1	93	0.00	4.21
105	Acrolein	200.000	188.710	5.6	93	0.00	4.67

		AvgRF	CCRF	%Dev			
106	Tert Butyl Alcohol	1.184	1.173	0.9	105	0.00	5.28
107	Isobutyl alcohol	0.369	0.325	11.9	93	0.00	7.33
108	Tert Amyl Alcohol	0.954	0.937	1.8	98	0.00	7.44
109	1,4-Dioxane	0.122	0.122	0.0	95	0.00	8.53

(#) = Out of Range SPCC's out = 0 CCC's out = 0
i15242.D 8260iapp.M Thu Oct 31 16:30:19 2013

Initial Calibration Verification

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI195-ICV195
Lab FileID: I15249.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\103013\i15249.D            Vial: 2
Acq On    : 30 Oct 2013   7:13 pm                    Operator: WILFREDO
Sample    : icv195-4                                 Inst    : MSVOA16
Misc      : ms25522,vi195,,,,,                       Multiplr: 1.00
MS Integration Params: med.p

Method       : C:\msdchem\2\METHODS\8260iapp.M (RTE Integrator)
Title        : SW-846 Method 5035A/8260B
Last Update  : Thu Oct 31 11:13:36 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	106	0.00	7.59
2		Dichlorodifluoromethane	0.254	0.350	-37.8#	152	0.00	2.71
3	P	Chloromethane	0.401	0.393	2.0	108	0.00	2.89
4	C	Vinyl Chloride	0.468	0.456	2.6	107	0.00	3.02
5		Bromomethane	0.363	0.343	5.5	106	-0.01	3.41
		----------	Amount	Calc.	%Drift		----------	
6		Chloroethane	40.000	38.803	3.0	104	0.00	3.57
7		Trichlorofluoromethane	40.000	33.957	15.1	89	0.00	3.75
		----------	AvgRF	CCRF	%Dev		----------	
8		Ethyl Ether	0.273	0.270	1.1	110	0.00	4.04
9		1,2-Dichlorotrifluoroetha	0.447	0.474	-6.0	124	0.00	4.27
10	C	1,1-Dichloroethene	0.505	0.580	-14.9	131	0.00	4.29
11		Freon 113	0.408	0.403	1.2	114	0.00	4.35
12		Carbon Disulfide	1.193	1.153	3.4	111	0.00	4.36
13		Iodomethane	0.685	0.717	-4.7	120	0.00	4.47
14		Allyl chloride	0.491	0.476	3.1	111	0.00	4.80
		----------	Amount	Calc.	%Drift		----------	
15		Methylene Chloride	40.000	46.193	-15.5	124	0.00	4.93
16		Acetone	200.000	173.407	13.3	90	-0.01	4.97
17		Methyl acetate	200.000	166.279	16.9	86	-0.01	5.08
		----------	AvgRF	CCRF	%Dev		----------	
18		trans-1,2-Dichloroethene	0.408	0.442	-8.3	121	0.00	5.09
19		Hexane	0.200	0.215	-7.5	122	0.00	5.14
20		Methyl Tert Butyl Ether	0.707	0.711	-0.6	107	0.00	5.20
21		Acetonitrile	0.026	0.026	0.0	113	0.00	5.49
22		Di-isopropyl ether	0.906	0.915	-1.0	109	-0.01	5.57
23		Chloroprene	0.406	0.423	-4.2	109	0.00	5.72
24	P	1,1-Dichloroethane	0.520	0.561	-7.9	119	0.00	5.75
25		Acrylonitrile	0.075	0.079	-5.3	104	-0.01	5.81
26		ETBE	0.828	0.831	-0.4	106	-0.01	5.96
27		Vinyl acetate	0.395	0.441	-11.6	109	0.00	5.97
28		cis-1,2-Dichloroethene	0.289	0.321	-11.1	120	0.00	6.32
29		2,2-Dichloropropane	0.389	0.449	-15.4	126	0.00	6.44
30		Bromochloromethane	0.148	0.148	0.0	107	0.00	6.53
31		Cyclohexane	0.426	0.467	-9.6	118	0.00	6.53
32	C	Chloroform	0.541	0.584	-7.9	118	0.00	6.58
33		Ethyl acetate	0.206	0.203	1.5	97	-0.01	6.66
34		Tetrahydrofuran	0.063	0.059	6.3	105	0.00	6.75

Initial Calibration Verification

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI195-ICV195
Lab FileID: I15249.D

35	S	Dibromofluoromethane	0.283	0.278	1.8	107	0.00	6.77
36		Carbon Tetrachloride	0.377	0.430	-14.1	124	-0.01	6.74
37		1,1,1-Trichloroethane	0.432	0.479	-10.9	122	0.00	6.82
38		2-Butanone	0.111	0.104	6.3	100	0.00	6.89
39		1,1-Dichloropropene	0.369	0.426	-15.4	127	-0.01	6.93
40		Propionitrile	0.032	0.031	3.1	102	0.00	7.22
41		Methacrylonitrile	0.161	0.160	0.6	103	0.00	7.23
42		Benzene	1.087	1.195	-9.9	120	0.00	7.19
43		TAME	0.780	0.780	0.0	105	0.00	7.26
44	S	1,2-Dichloroethane-d4	0.322	0.310	3.7	107	0.00	7.33
45		1,2-Dichloroethane	0.384	0.415	-8.1	120	0.00	7.39
46		Trichloroethene	0.297	0.326	-9.8	121	0.00	7.75
47		Methylcyclohexane	0.466	0.487	-4.5	111	0.00	7.75
48		Dibromomethane	0.181	0.196	-8.3	116	0.00	8.19
49	C	1,2-Dichloropropane	0.287	0.313	-9.1	119	0.00	8.29
50		Bromodichloromethane	0.376	0.423	-12.5	119	0.00	8.33
51		Methyl methacrylate	0.184	0.203	-10.3	111	0.00	8.45
52		2-Chloroethyl vinyl ether	0.159	0.184	-15.7	118	0.00	8.87
53		cis-1,3-Dichloropropene	0.444	0.509	-14.6	117	0.00	8.96
54	I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00	10.70
55	S	Toluene-d8	1.318	1.210	8.2	107	0.00	9.14
56	C	Toluene	1.530	1.628	-6.4	120	0.00	9.19
57		2-Nitropropane	0.061	0.061	0.0	101	0.00	9.44
58		4-Methyl-2-pentanone	0.270	0.283	-4.8	110	0.00	9.55
59		trans-1,3-Dichloropropene	0.484	0.599	-23.8#	128	0.00	9.60
60		Tetrachloroethene	0.419	0.422	-0.7	109	0.00	9.58
61		Ethyl methacrylate	0.387	0.384	0.8	99	0.00	9.70
62		1,1,2-Trichloroethane	0.266	0.277	-4.1	113	0.00	9.76
63		Dibromochloromethane	0.340	0.392	-15.3	118	0.00	9.95
64		1,3-Dichloropropane	0.526	0.562	-6.8	117	0.00	10.04
65		1,2-Dibromoethane	0.297	0.329	-10.8	118	0.00	10.21
66		2-hexanone	0.202	0.196	3.0	100	0.00	10.37
67		1-Chlorohexane	0.491	0.489	0.4	106	0.00	10.65
68	C	Ethylbenzene	1.856	2.026	-9.2	121	0.00	10.72
69	P	Chlorobenzene	1.031	1.215	-17.8	130	0.00	10.71
70		1,1,1,2-Tetrachloroethane	0.342	0.393	-14.9	122	0.00	10.77
71		m,p-Xylene	1.304	1.543	-18.3	125	0.00	10.86
72		o-Xylene	1.186	1.455	-22.7#	130	0.00	11.30
		----------	Amount	Calc.	%Drift	----------		
73		Styrene	40.000	43.672	-9.2	119	0.00	11.35
74	P	Bromoform	40.000	43.285	-8.2	119	0.00	11.41
75		Isopropylbenzene	40.000	48.226	-20.6#	132	0.00	11.60
		----------	AvgRF	CCRF	%Dev	----------		
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00	13.07
77	S	4-Bromofluorobenzene	0.779	0.717	8.0	108	0.00	11.92
		----------	Amount	Calc.	%Drift	----------		
78		cis-1,4-Dichloro-2-butene	40.000	44.948	-12.4	132	0.00	11.97
		----------	AvgRF	CCRF	%Dev	----------		
79		n-Propylbenzene	3.756	4.533	-20.7#	130	0.00	12.02
80		Bromobenzene	0.897	0.983	-9.6	119	0.00	12.04
81	P	1,1,2,2-Tetrachloroethane	0.790	0.819	-3.7	112	0.00	12.10
82		1,3,5-Trimethylbenzene	2.893	3.254	-12.5	118	0.00	12.21
83		2-Chlorotoluene	2.666	3.140	-17.8	128	0.00	12.21

Initial Calibration Verification

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI195-ICV195
Lab FileID: I15249.D

		Amount	Calc.	%Drift			
84	trans-1,4-Dichloro-2-Bute	40.000	42.781	-7.0	113	0.00	12.28

		AvgRF	CCRF	%Dev			
85	1,2,3-Trichloropropane	0.210	0.223	-6.2	116	0.00	12.26
86	Cyclohexanone	0.020	0.019	5.0	92	0.00	12.33
87	4-Chlorotoluene	2.222	2.746	-23.6#	133	0.00	12.38
88	tert-Butylbenzene	1.447	1.706	-17.9	125	0.00	12.55
89	1,2,4-Trimethylbenzene	2.858	3.166	-10.8	116	0.00	12.62
90	Pentachloroethane	0.417	0.503	-20.6#	129	0.00	12.60
91	sec-Butylbenzene	3.277	3.986	-21.6#	128	0.00	12.73
92	4-Isopropyltoluene	2.698	3.280	-21.6#	126	0.00	12.87
93	1,3-Dichlorobenzene	1.481	1.780	-20.2#	131	0.00	13.00
94	1,4-Dichlorobenzene	1.743	1.859	-6.7	117	0.00	13.08
95	n-Butylbenzene	1.718	1.864	-8.5	114	0.00	13.31

		Amount	Calc.	%Drift			
96	Benzyl Chloride	40.000	39.635	0.9	107	0.00	13.33

		AvgRF	CCRF	%Dev			
97	1,2-Dichlorobenzene	1.414	1.649	-16.6	126	0.00	13.52
98	1,2-Dibromo-3-Chloropropa	0.102	0.114	-11.8	112	0.00	14.28
99	Hexachlorobutadiene	0.459	0.513	-11.8	121	0.00	14.82
100	1,2,4-Trichlorobenzene	0.959	1.079	-12.5	115	0.00	14.87
101	Naphthalene	1.827	2.068	-13.2	107	0.00	15.16
102	1,2,3-Trichlorobenzene	0.813	0.914	-12.4	109	0.00	15.33
103 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	107	-0.01	5.19

		Amount	Calc.	%Drift			
104	Ethanol	800.000	825.532	-3.2	99	0.00	4.21
105	Acrolein	200.000	187.701	6.1	95	0.00	4.66

		AvgRF	CCRF	%Dev			
106	Tert Butyl Alcohol	1.184	1.186	-0.2	108	0.00	5.27
107	Isobutyl alcohol	0.369	0.338	8.4	99	0.00	7.32
108	Tert Amyl Alcohol	0.954	0.946	0.8	101	0.00	7.44
109	1,4-Dioxane	0.122	0.121	0.8	97	0.00	8.52

(#) = Out of Range SPCC's out = 0 CCC's out = 0
i15242.D 8260iapp.M Thu Oct 31 16:30:21 2013

6.7.3

6

Continuing Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Sample: VI196-CC195
Lab FileID: I15252.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\103113\i15252.D            Vial: 1
Acq On    : 31 Oct 2013  10:01 am                     Operator: WILFREDO
Sample    : cc195-4                                   Inst    : MSVOA16
Misc      : ms25522,vi196,,,,,                        Multiplr: 1.00
MS Integration Params: med.p

Method       : C:\msdchem\2\METHODS\8260iapp.M (RTE Integrator)
Title        : SW-846 Method 5035A/8260B
Last Update  : Thu Oct 31 11:13:36 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	104	0.00	7.59
2		Dichlorodifluoromethane	0.254	0.241	5.1	104	0.00	2.70
3	P	Chloromethane	0.401	0.371	7.5	101	0.00	2.90
4	C	Vinyl Chloride	0.468	0.435	7.1	101	0.00	3.02
5		Bromomethane	0.363	0.334	8.0	102	0.00	3.42
		----------	Amount	Calc.	%Drift		----------	
6		Chloroethane	40.000	39.121	2.2	103	0.00	3.57
7		Trichlorofluoromethane	40.000	39.764	0.6	104	0.00	3.75
		----------	AvgRF	CCRF	%Dev		----------	
8		Ethyl Ether	0.273	0.266	2.6	107	-0.01	4.03
9		1,2-Dichlorotrifluoroetha	0.447	0.440	1.6	114	0.00	4.27
10	C	1,1-Dichloroethene	0.505	0.505	0.0	113	0.00	4.29
11		Freon 113	0.408	0.407	0.2	114	0.00	4.35
12		Carbon Disulfide	1.193	1.201	-0.7	114	0.00	4.36
13		Iodomethane	0.685	0.685	0.0	113	0.00	4.47
14		Allyl chloride	0.491	0.452	7.9	104	0.00	4.80
		----------	Amount	Calc.	%Drift		----------	
15		Methylene Chloride	40.000	40.887	-2.2	109	0.00	4.93
16		Acetone	200.000	164.157	17.9	84	-0.01	4.97
17		Methyl acetate	200.000	196.681	1.7	101	-0.01	5.08
		----------	AvgRF	CCRF	%Dev		----------	
18		trans-1,2-Dichloroethene	0.408	0.414	-1.5	112	0.00	5.09
19		Hexane	0.200	0.212	-6.0	119	0.00	5.14
20		Methyl Tert Butyl Ether	0.707	0.698	1.3	104	0.00	5.20
21		Acetonitrile	0.026	0.023	11.5	98	0.00	5.49
22		Di-isopropyl ether	0.906	0.917	-1.2	109	-0.01	5.57
23		Chloroprene	0.406	0.393	3.2	100	-0.01	5.71
24	P	1,1-Dichloroethane	0.520	0.526	-1.2	111	0.00	5.75
25		Acrylonitrile	0.075	0.083	-10.7	107	-0.01	5.81
26		ETBE	0.828	0.847	-2.3	107	-0.01	5.96
27		Vinyl acetate	0.395	0.455	-15.2	111	0.00	5.97
28		cis-1,2-Dichloroethene	0.289	0.293	-1.4	109	0.00	6.32
29		2,2-Dichloropropane	0.389	0.423	-8.7	117	0.00	6.44
30		Bromochloromethane	0.148	0.152	-2.7	108	-0.01	6.52
31		Cyclohexane	0.426	0.452	-6.1	113	0.00	6.53
32	C	Chloroform	0.541	0.545	-0.7	109	0.00	6.58
33		Ethyl acetate	0.206	0.221	-7.3	105	-0.01	6.66
34		Tetrahydrofuran	0.063	0.059	6.3	104	0.00	6.75

Continuing Calibration Summary

Job Number: FA9297 **Sample:** VI196-CC195
Account: CCCOB Cameron-Cole, LLC **Lab FileID:** I15252.D
Project: Wichita Sampling Event; Wichita, KS

35	S	Dibromofluoromethane	0.283	0.271	4.2	103	-0.01	6.77
36		Carbon Tetrachloride	0.377	0.400	-6.1	114	-0.01	6.74
37		1,1,1-Trichloroethane	0.432	0.445	-3.0	112	-0.01	6.82
38		2-Butanone	0.111	0.102	8.1	97	0.00	6.89
39		1,1-Dichloropropene	0.369	0.388	-5.1	114	-0.01	6.93
40		Propionitrile	0.032	0.029	9.4	94	-0.01	7.21
41		Methacrylonitrile	0.161	0.149	7.5	95	0.00	7.23
42		Benzene	1.087	1.113	-2.4	111	0.00	7.19
43		TAME	0.780	0.799	-2.4	106	0.00	7.26
44	S	1,2-Dichloroethane-d4	0.322	0.304	5.6	104	-0.01	7.32
45		1,2-Dichloroethane	0.384	0.380	1.0	109	-0.01	7.39
46		Trichloroethene	0.297	0.309	-4.0	113	0.00	7.75
47		Methylcyclohexane	0.466	0.506	-8.6	115	0.00	7.75
48		Dibromomethane	0.181	0.179	1.1	105	0.00	8.19
49	C	1,2-Dichloropropane	0.287	0.289	-0.7	109	0.00	8.29
50		Bromodichloromethane	0.376	0.390	-3.7	108	0.00	8.33
51		Methyl methacrylate	0.184	0.180	2.2	97	0.00	8.45
52		2-Chloroethyl vinyl ether	0.159	0.166	-4.4	105	0.00	8.87
53		cis-1,3-Dichloropropene	0.444	0.476	-7.2	109	0.00	8.96
54	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00	10.69
55	S	Toluene-d8	1.318	1.221	7.4	105	0.00	9.14
56	C	Toluene	1.530	1.559	-1.9	112	0.00	9.19
57		2-Nitropropane	0.061	0.066	-8.2	106	0.00	9.44
58		4-Methyl-2-pentanone	0.270	0.269	0.4	102	0.00	9.55
59		trans-1,3-Dichloropropene	0.484	0.523	-8.1	109	0.00	9.60
60		Tetrachloroethene	0.419	0.390	6.9	99	0.00	9.58
61		Ethyl methacrylate	0.387	0.381	1.6	96	0.00	9.70
62		1,1,2-Trichloroethane	0.266	0.263	1.1	105	0.00	9.76
63		Dibromochloromethane	0.340	0.364	-7.1	107	0.00	9.95
64		1,3-Dichloropropane	0.526	0.511	2.9	104	0.00	10.04
65		1,2-Dibromoethane	0.297	0.296	0.3	104	0.00	10.21
66		2-hexanone	0.202	0.204	-1.0	101	0.00	10.37
67		1-Chlorohexane	0.491	0.543	-10.6	115	0.00	10.65
68	C	Ethylbenzene	1.856	1.916	-3.2	112	0.00	10.71
69	P	Chlorobenzene	1.031	1.062	-3.0	110	0.00	10.71
70		1,1,1,2-Tetrachloroethane	0.342	0.366	-7.0	111	0.00	10.77
71		m,p-Xylene	1.304	1.408	-8.0	111	0.00	10.85
72		o-Xylene	1.186	1.281	-8.0	112	0.00	11.30
		----------	Amount	Calc.	%Drift		----------	
73		Styrene	40.000	41.482	-3.7	109	0.00	11.35
74	P	Bromoform	40.000	41.455	-3.6	110	0.00	11.41
75		Isopropylbenzene	40.000	42.625	-6.6	113	0.00	11.60
		----------	AvgRF	CCRF	%Dev		----------	
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	101	0.00	13.07
77	S	4-Bromofluorobenzene	0.779	0.727	6.7	105	0.00	11.92
		----------	Amount	Calc.	%Drift		----------	
78		cis-1,4-Dichloro-2-butene	40.000	41.520	-3.8	116	0.00	11.97
		----------	AvgRF	CCRF	%Dev		----------	
79		n-Propylbenzene	3.756	4.017	-6.9	111	0.00	12.02
80		Bromobenzene	0.897	0.944	-5.2	109	0.00	12.04
81	P	1,1,2,2-Tetrachloroethane	0.790	0.782	1.0	103	0.00	12.10
82		1,3,5-Trimethylbenzene	2.893	3.218	-11.2	111	0.00	12.21
83		2-Chlorotoluene	2.666	2.858	-7.2	111	0.00	12.21

Continuing Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VI196-CC195
Lab FileID: I15252.D

		Amount	Calc.	%Drift			
84	trans-1,4-Dichloro-2-Bute	40.000	46.396	-16.0	118	0.00	12.28

		AvgRF	CCRF	%Dev			
85	1,2,3-Trichloropropane	0.210	0.211	-0.5	105	0.00	12.26
86	Cyclohexanone	0.020	0.020	0.0	91	0.00	12.33
87	4-Chlorotoluene	2.222	2.390	-7.6	111	0.00	12.38
88	tert-Butylbenzene	1.447	1.582	-9.3	111	0.00	12.55
89	1,2,4-Trimethylbenzene	2.858	3.153	-10.3	110	0.00	12.62
90	Pentachloroethane	0.417	0.512	-22.8#	125	0.00	12.60
91	sec-Butylbenzene	3.277	3.638	-11.0	112	0.00	12.73
92	4-Isopropyltoluene	2.698	3.031	-12.3	111	0.00	12.87
93	1,3-Dichlorobenzene	1.481	1.557	-5.1	109	0.00	13.00
94	1,4-Dichlorobenzene	1.743	1.790	-2.7	107	0.00	13.08
95	n-Butylbenzene	1.718	1.909	-11.1	112	0.00	13.31

		Amount	Calc.	%Drift			
96	Benzyl Chloride	40.000	43.876	-9.7	114	0.00	13.33

		AvgRF	CCRF	%Dev			
97	1,2-Dichlorobenzene	1.414	1.477	-4.5	108	0.00	13.52
98	1,2-Dibromo-3-Chloropropa	0.102	0.106	-3.9	99	0.00	14.28
99	Hexachlorobutadiene	0.459	0.511	-11.3	115	0.00	14.82
100	1,2,4-Trichlorobenzene	0.959	1.067	-11.3	108	0.00	14.87
101	Naphthalene	1.827	2.058	-12.6	102	0.00	15.16
102	1,2,3-Trichlorobenzene	0.813	0.911	-12.1	103	0.00	15.33
103 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	100	-0.01	5.19

		Amount	Calc.	%Drift			
104	Ethanol	800.000	892.446	-11.6	100	0.00	4.21
105	Acrolein	200.000	216.662	-8.3	102	0.00	4.66

		AvgRF	CCRF	%Dev			
106	Tert Butyl Alcohol	1.184	1.221	-3.1	104	-0.01	5.27
107	Isobutyl alcohol	0.369	0.343	7.0	94	0.00	7.32
108	Tert Amyl Alcohol	0.954	1.003	-5.1	100	0.00	7.44
109	1,4-Dioxane	0.122	0.143	-17.2	107	0.00	8.52

(#) = Out of Range SPCC's out = 0 CCC's out = 0
i15242.D 8260iapp.M Fri Nov 01 09:50:39 2013

Continuing Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Sample: VI197-CC195
Lab FileID: I15278.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\2\DATA\110113\i15278.D            Vial: 1
Acq On    :  1 Nov 2013   8:22 am                     Operator: WILFREDO
Sample    : cc195-4                                   Inst    : MSVOA16
Misc      : ms25560,vi197,,,,,                        Multiplr: 1.00
MS Integration Params: med.p

Method       : C:\msdchem\2\METHODS\8260iapp.M (RTE Integrator)
Title        : SW-846 Method 5035A/8260B
Last Update  : Thu Oct 31 11:13:36 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	89	0.00	7.59
2		Dichlorodifluoromethane	0.254	0.277	-9.1	102	0.00	2.71
3	P	Chloromethane	0.401	0.433	-8.0	101	0.00	2.89
4	C	Vinyl Chloride	0.468	0.510	-9.0	101	0.00	3.02
5		Bromomethane	0.363	0.393	-8.3	102	-0.01	3.41
			Amount	Calc.	%Drift			
6		Chloroethane	40.000	47.669	-19.2	105	-0.01	3.56
7		Trichlorofluoromethane	40.000	45.409	-13.5	102	0.00	3.75
			AvgRF	CCRF	%Dev			
8		Ethyl Ether	0.273	0.252	7.7	86	-0.01	4.03
9		1,2-Dichlorotrifluoroetha	0.447	0.441	1.3	98	-0.01	4.26
10	C	1,1-Dichloroethene	0.505	0.501	0.8	96	0.00	4.29
11		Freon 113	0.408	0.405	0.7	97	-0.01	4.35
12		Carbon Disulfide	1.193	1.181	1.0	96	-0.01	4.35
13		Iodomethane	0.685	0.647	5.5	91	0.00	4.47
14		Allyl chloride	0.491	0.458	6.7	90	0.00	4.80
			Amount	Calc.	%Drift			
15		Methylene Chloride	40.000	40.865	-2.2	93	-0.01	4.92
16		Acetone	200.000	219.737	-9.9	97	-0.01	4.97
17		Methyl acetate	200.000	195.099	2.5	85	-0.02	5.07
			AvgRF	CCRF	%Dev			
18		trans-1,2-Dichloroethene	0.408	0.405	0.7	94	-0.01	5.08
19		Hexane	0.200	0.205	-2.5	99	-0.01	5.13
20		Methyl Tert Butyl Ether	0.707	0.651	7.9	83	0.00	5.20
21		Acetonitrile	0.026	0.023	11.5	86	-0.01	5.49
22		Di-isopropyl ether	0.906	0.890	1.8	90	-0.02	5.56
23		Chloroprene	0.406	0.400	1.5	87	-0.01	5.71
24	P	1,1-Dichloroethane	0.520	0.515	1.0	93	0.00	5.75
25		Acrylonitrile	0.075	0.084	-12.0	93	-0.01	5.81
26		ETBE	0.828	0.820	1.0	89	-0.01	5.96
27		Vinyl acetate	0.395	0.468	-18.5	98	-0.01	5.97
28		cis-1,2-Dichloroethene	0.289	0.283	2.1	90	-0.01	6.31
29		2,2-Dichloropropane	0.389	0.411	-5.7	97	0.00	6.44
30		Bromochloromethane	0.148	0.142	4.1	86	-0.01	6.52
31		Cyclohexane	0.426	0.453	-6.3	96	-0.01	6.53
32	C	Chloroform	0.541	0.526	2.8	90	0.00	6.58
33		Ethyl acetate	0.206	0.229	-11.2	93	-0.01	6.66
34		Tetrahydrofuran	0.063	0.055	12.7	83	0.00	6.75

Continuing Calibration Summary

Job Number: FA9297 **Sample:** VI197-CC195
Account: CCCOB Cameron-Cole, LLC **Lab FileID:** I15278.D
Project: Wichita Sampling Event; Wichita, KS

35	S	Dibromofluoromethane	0.283	0.270	4.6	88	-0.01	6.77
36		Carbon Tetrachloride	0.377	0.384	-1.9	94	-0.01	6.74
37		1,1,1-Trichloroethane	0.432	0.428	0.9	92	-0.01	6.82
38		2-Butanone	0.111	0.109	1.8	88	0.00	6.89
39		1,1-Dichloropropene	0.369	0.379	-2.7	95	-0.01	6.93
40		Propionitrile	0.032	0.029	9.4	81	-0.01	7.21
41		Methacrylonitrile	0.161	0.150	6.8	82	0.00	7.23
42		Benzene	1.087	1.092	-0.5	93	0.00	7.19
43		TAME	0.780	0.766	1.8	87	0.00	7.26
44	S	1,2-Dichloroethane-d4	0.322	0.305	5.3	89	-0.01	7.32
45		1,2-Dichloroethane	0.384	0.360	6.3	88	-0.01	7.39
46		Trichloroethene	0.297	0.302	-1.7	94	0.00	7.75
47		Methylcyclohexane	0.466	0.494	-6.0	95	0.00	7.75
48		Dibromomethane	0.181	0.170	6.1	85	0.00	8.19
49	C	1,2-Dichloropropane	0.287	0.283	1.4	91	0.00	8.29
50		Bromodichloromethane	0.376	0.378	-0.5	90	0.00	8.33
51		Methyl methacrylate	0.184	0.173	6.0	79	0.00	8.44
52		2-Chloroethyl vinyl ether	0.159	0.154	3.1	83	-0.01	8.86
53		cis-1,3-Dichloropropene	0.444	0.460	-3.6	90	0.00	8.96
54	I	Chlorobenzene-d5	1.000	1.000	0.0	88	0.00	10.69
55	S	Toluene-d8	1.318	1.218	7.6	89	0.00	9.14
56	C	Toluene	1.530	1.518	0.8	93	0.00	9.19
57		2-Nitropropane	0.061	0.060	1.6	82	0.00	9.44
58		4-Methyl-2-pentanone	0.270	0.254	5.9	82	0.00	9.55
59		trans-1,3-Dichloropropene	0.484	0.497	-2.7	88	0.00	9.60
60		Tetrachloroethene	0.419	0.369	11.9	79	0.00	9.58
61		Ethyl methacrylate	0.387	0.374	3.4	80	0.00	9.70
62		1,1,2-Trichloroethane	0.266	0.251	5.6	85	0.00	9.76
63		Dibromochloromethane	0.340	0.338	0.6	84	0.00	9.95
64		1,3-Dichloropropane	0.526	0.493	6.3	85	0.00	10.04
65		1,2-Dibromoethane	0.297	0.277	6.7	83	0.00	10.20
66		2-hexanone	0.202	0.206	-2.0	87	0.00	10.37
67		1-Chlorohexane	0.491	0.520	-5.9	94	0.00	10.65
68	C	Ethylbenzene	1.856	1.879	-1.2	93	0.00	10.71
69	P	Chlorobenzene	1.031	1.024	0.7	91	0.00	10.71
70		1,1,1,2-Tetrachloroethane	0.342	0.344	-0.6	89	0.00	10.77
71		m,p-Xylene	1.304	1.374	-5.4	92	0.00	10.85
72		o-Xylene	1.186	1.233	-4.0	91	0.00	11.30
		----------	Amount	Calc.	%Drift		----------	
73		Styrene	40.000	39.929	0.2	89	0.00	11.34
74	P	Bromoform	40.000	38.229	4.4	86	0.00	11.41
75		Isopropylbenzene	40.000	41.350	-3.4	93	0.00	11.60
		----------	AvgRF	CCRF	%Dev		----------	
76	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00	13.07
77	S	4-Bromofluorobenzene	0.779	0.693	11.0	87	0.00	11.92
		----------	Amount	Calc.	%Drift		----------	
78		cis-1,4-Dichloro-2-butene	40.000	41.819	-4.5	103	0.00	11.97
		----------	AvgRF	CCRF	%Dev		----------	
79		n-Propylbenzene	3.756	3.888	-3.5	94	0.00	12.02
80		Bromobenzene	0.897	0.867	3.3	88	0.00	12.04
81	P	1,1,2,2-Tetrachloroethane	0.790	0.728	7.8	84	0.00	12.10
82		1,3,5-Trimethylbenzene	2.893	3.092	-6.9	94	0.00	12.21
83		2-Chlorotoluene	2.666	2.720	-2.0	93	0.00	12.21

Continuing Calibration Summary

Job Number: FA9297 **Sample:** VI197-CC195
Account: CCCOB Cameron-Cole, LLC **Lab FileID:** I15278.D
Project: Wichita Sampling Event; Wichita, KS

		Amount	Calc.	%Drift			
84	trans-1,4-Dichloro-2-Bute	40.000	43.808	-9.5	97	0.00	12.28

		AvgRF	CCRF	%Dev			
85	1,2,3-Trichloropropane	0.210	0.189	10.0	82	0.00	12.26
86	Cyclohexanone	0.020	0.022	-10.0	90	0.00	12.33
87	4-Chlorotoluene	2.222	2.279	-2.6	92	0.00	12.38
88	tert-Butylbenzene	1.447	1.534	-6.0	94	0.00	12.55
89	1,2,4-Trimethylbenzene	2.858	3.028	-5.9	92	0.00	12.62
90	Pentachloroethane	0.417	0.522	-25.2#	112	0.00	12.60
91	sec-Butylbenzene	3.277	3.522	-7.5	94	0.00	12.73
92	4-Isopropyltoluene	2.698	2.915	-8.0	93	0.00	12.87
93	1,3-Dichlorobenzene	1.481	1.479	0.1	91	0.00	13.00
94	1,4-Dichlorobenzene	1.743	1.729	0.8	91	0.00	13.08
95	n-Butylbenzene	1.718	1.849	-7.6	95	0.00	13.31

		Amount	Calc.	%Drift			
96	Benzyl Chloride	40.000	40.262	-0.7	91	0.00	13.33

		AvgRF	CCRF	%Dev			
97	1,2-Dichlorobenzene	1.414	1.385	2.1	89	0.00	13.52
98	1,2-Dibromo-3-Chloropropa	0.102	0.098	3.9	80	0.00	14.28
99	Hexachlorobutadiene	0.459	0.481	-4.8	95	0.00	14.82
100	1,2,4-Trichlorobenzene	0.959	1.005	-4.8	89	0.00	14.87
101	Naphthalene	1.827	1.896	-3.8	82	0.00	15.16
102	1,2,3-Trichlorobenzene	0.813	0.863	-6.2	86	0.00	15.33
103 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	80	-0.02	5.19

		Amount	Calc.	%Drift			
104	Ethanol	800.000	883.042	-10.4	79	0.00	4.20
105	Acrolein	200.000	228.810	-14.4	87	-0.01	4.66

		AvgRF	CCRF	%Dev			
106	Tert Butyl Alcohol	1.184	1.105	6.7	76	0.00	5.27
107	Isobutyl alcohol	0.369	0.370	-0.3	82	0.00	7.32
108	Tert Amyl Alcohol	0.954	0.933	2.2	75	0.00	7.44
109	1,4-Dioxane	0.122	0.126	-3.3	76	0.00	8.52

(#) = Out of Range SPCC's out = 0 CCC's out = 0
i15242.D 8260iapp.M Fri Nov 01 09:25:50 2013

Initial Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Sample: VO791-ICC791
Lab FileID: O19858.D

Response Factor Report MSVOA12

Method : C:\msdchem\1\met...msoNCOXY103113.m (RTE Integrator)
Title : SW-846 Method 5030B/8260B & EPA 624
Last Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Calibration Files
1 =O19855.D 2 =O19856.D 3 =O19857.D 4 =O19858.D
5 =O19859.D 6 =O19860.D

		Compound	1	2	3	4	5	6	Avg	%RSD
1)	I	Fluorobenzene	----------ISTD----------							
2)		Dichlorodifluoromet	0.399	0.370	0.436	0.416	0.406	0.378	0.401	6.09
3)	P	Chloromethane	1.016	0.863	0.962	0.921	0.896	0.855	0.919	6.71
4)		1,3-Butadiene	0.560	0.534	0.604	0.559	0.529	0.514	0.550	5.76
5)	C	Vinyl Chloride	0.523	0.454	0.528	0.519	0.513	0.490	0.505	5.60
6)		Bromomethane	0.253	0.236	0.247	0.238	0.231	0.219	0.237	5.02
7)		Chloroethane	0.284	0.239	0.244	0.234	0.224	0.204	0.238	11.06
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9997								
		Response Ratio = 0.00000 + 0.25871 *A + -0.02686 *A^2								
8)		Trichlorofluorometh	0.734	0.673	0.773	0.750	0.719	0.647	0.716	6.64
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9995								
		Response Ratio = 0.00000 + 0.83258 *A + -0.09099 *A^2								
9)		Ethyl Ether	0.457	0.427	0.454	0.441	0.442	0.426	0.441	2.96
10)		1,2-Dichlorotrifluo	0.458	0.463	0.548	0.538	0.543	0.522	0.512	8.03
11)	C	1,1-Dichloroethene	0.753	0.742	0.886	0.878	0.873	0.840	0.829	7.86
12)		Freon 113	0.419	0.424	0.497	0.489	0.485	0.455	0.461	7.41
13)		Carbon Disulfide	1.460	1.202	1.435	1.424	1.410	1.360	1.382	6.81
14)		Iodomethane	0.658	0.631	0.729	0.726	0.725	0.696	0.694	5.92
15)		Allyl chloride	0.880	0.812	0.962	0.956	0.949	0.909	0.911	6.37
16)		Methylene Chloride	1.834	1.062	1.068	1.023	1.001	0.948	1.156	28.99
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9984								
		Response Ratio = 0.00000 + 0.97322 *A								
17)		Acetone	0.057	0.035	0.036	0.037	0.038	0.037	0.040	20.90
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9996								
		Response Ratio = 0.00000 + 0.03746 *A								
18)		Methyl acetate	0.054	0.053	0.058	0.056	0.058	0.057	0.056	3.48
19)		trans-1,2-Dichloroe	0.775	0.750	0.849	0.845	0.855	0.804	0.813	5.37
20)		Hexane	0.538	0.413	0.508	0.508	0.530	0.475	0.495	9.23
21)		Methyl Tert Butyl E	1.093	1.060	1.181	1.191	1.195	1.162	1.147	4.95
22)		Acetonitrile	0.045	0.036	0.036	0.035	0.035	0.034	0.037	11.49
		---- Linear regr., Force(0,0) ---- Coefficient = 0.9995								
		Response Ratio = 0.00000 + 0.03425 *A								
23)		Di-isopropyl ether	2.305	2.113	2.387	2.398	2.402	2.300	2.318	4.75
24)		Chloroprene	0.935	0.870	1.092	1.072	1.071	1.008	1.008	8.82
		---- Quadratic regr., Force(0,0) ---- Coefficient = 0.9996								
		Response Ratio = 0.00000 + 1.13884 *A + -0.06279 *A^2								
25)	P	1,1-Dichloroethane	0.892	0.878	0.984	0.975	0.979	0.934	0.940	4.96
26)		Acrylonitrile	0.180	0.183	0.202	0.193	0.191	0.195	0.191	4.17
27)		ETBE	1.696	1.663	1.935	1.931	1.918	1.842	1.831	6.68
28)		Vinyl acetate	0.870	0.940	1.086	1.010	0.959	0.912	0.963	7.92

Initial Calibration Summary

Job Number: FA9297 **Sample:** VO791-ICC791
Account: CCCOB Cameron-Cole, LLC **Lab FileID:** O19858.D
Project: Wichita Sampling Event; Wichita, KS

```
29)      cis-1,2-Dichloroeth 0.393 0.380 0.421 0.422 0.434 0.416 0.411   4.98
30)      2,2-Dichloropropane 0.580 0.620 0.715 0.722 0.722 0.683 0.674   8.94
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 0.69896 *A

31)      Bromochloromethane  0.200 0.194 0.221 0.220 0.219 0.213 0.211   5.41
32)      Cyclohexane         0.875 0.868 1.093 1.104 1.105 1.055 1.017  11.18
33)  C   Chloroform          0.803 0.759 0.830 0.827 0.833 0.785 0.806   3.68
34)      Ethyl acetate       0.487 0.501 0.553 0.521 0.518 0.515 0.516   4.30
35)      Tetrahydrofuran     0.169 0.152 0.150 0.151 0.149 0.146 0.153   5.25
36)  S   Dibromofluoromethan 0.311 0.351 0.346 0.311 0.360 0.347 0.338   6.28
             ---- Linear regression ----  Coefficient =  0.9934
               Response Ratio = -0.07736 + 0.39473 *A

37)      Carbon Tetrachlorid 0.618 0.587 0.712 0.717 0.708 0.664 0.668   8.18
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9996
               Response Ratio = 0.00000 + 0.75953 *A + -0.04601 *A^2

38)      1,1,1-Trichloroetha 0.666 0.701 0.802 0.797 0.799 0.758 0.754   7.68
39)      2-Butanone          0.236 0.210 0.229 0.229 0.234 0.229 0.228   4.04
40)      1,1-Dichloropropene 0.485 0.461 0.553 0.558 0.564 0.533 0.526   8.14
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9983
               Response Ratio = 0.00000 + 0.54472 *A

41)      tert-Butyl Formate  0.297 0.331 0.410 0.408 0.405 0.402 0.376  13.07
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 0.40340 *A

42)      Propionitrile       0.070 0.067 0.071 0.067 0.067 0.065 0.068   3.28
43)      Methacrylonitrile   0.359 0.346 0.369 0.349 0.336 0.317 0.346   5.29
44)      Benzene             1.319 1.305 1.439 1.411 1.373 1.295 1.357   4.41
45)      TAME                0.981 1.008 1.161 1.153 1.153 1.121 1.096   7.32
46)  S   1,2-Dichloroethane- 0.490 0.550 0.535 0.469 0.538 0.519 0.517   6.03
47)      1,2-Dichloroethane  0.859 0.796 0.873 0.862 0.851 0.802 0.840   3.91
48)      Trichloroethene     0.433 0.377 0.428 0.417 0.413 0.388 0.409   5.47
49)      Methylcyclohexane   0.580 0.573 0.712 0.702 0.691 0.649 0.651   9.47
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9997
               Response Ratio = 0.00000 + 0.74621 *A + -0.04706 *A^2

50)      Dibromomethane      0.247 0.247 0.271 0.269 0.272 0.258 0.261   4.46
51)  C   1,2-Dichloropropane 0.479 0.434 0.504 0.489 0.500 0.487 0.482   5.22
52)      Bromodichloromethan 0.563 0.538 0.622 0.619 0.625 0.599 0.594   6.05
53)      Methyl methacrylate 0.450 0.429 0.477 0.482 0.491 0.483 0.469   5.12
54)      2-Chloroethyl vinyl 0.249 0.264 0.300 0.298 0.296 0.285 0.282   7.42
55)      cis-1,3-Dichloropro 0.568 0.582 0.665 0.679 0.684 0.659 0.640   7.97

56)  I   Chlorobenzene-d5      ----------------ISTD---------------------
57)  S   Toluene-d8          1.273 1.394 1.382 1.270 1.495 1.457 1.379   6.71
             ---- Linear regression ----  Coefficient =  0.9951
               Response Ratio = -0.40385 + 1.67434 *A

58)  C   Toluene             2.075 1.919 2.126 2.084 2.120 2.019 2.057   3.79
59)      2-Nitropropane      0.157 0.159 0.185 0.192 0.201 0.195 0.182  10.47
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9993
               Response Ratio = 0.00000 + 0.19640 *A

60)      4-Methyl-2-pentanon 0.599 0.621 0.693 0.698 0.713 0.697 0.670   7.11
61)      trans-1,3-Dichlorop 0.654 0.674 0.799 0.798 0.824 0.787 0.756   9.59
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9990
               Response Ratio = 0.00000 + 0.79901 *A
```

Initial Calibration Summary

Job Number: FA9297 **Sample:** VO791-ICC791
Account: CCCOB Cameron-Cole, LLC **Lab FileID:** O19858.D
Project: Wichita Sampling Event; Wichita, KS

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62)      Tetrachloroethene   0.505 0.489 0.561 0.561 0.572 0.554 0.540   6.35
63)      Ethyl methacrylate  0.482 0.480 0.587 0.595 0.619 0.629 0.565  11.90
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9996
               Response Ratio = 0.00000 + 0.62185 *A

64)      1,1,2-Trichloroetha 0.365 0.338 0.387 0.389 0.392 0.381 0.375   5.54
65)      Dibromochloromethan 0.538 0.521 0.592 0.606 0.640 0.622 0.586   8.04
66)      1,3-Dichloropropane 0.754 0.706 0.786 0.781 0.805 0.781 0.769   4.53
67)      1,2-Dibromoethane   0.479 0.425 0.487 0.486 0.509 0.501 0.481   6.14
68)      2-hexanone          0.427 0.439 0.503 0.499 0.511 0.502 0.480   7.72
69)      1-Chlorohexane      0.637 0.667 0.811 0.809 0.829 0.785 0.757  10.90
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9985
               Response Ratio = 0.00000 + 0.80039 *A

70) C    Ethylbenzene        2.555 2.340 2.601 2.520 2.507 2.359 2.480   4.30
71) P    Chlorobenzene       1.278 1.223 1.361 1.285 1.275 1.204 1.271   4.35
72)      1,1,1,2-Tetrachloro 0.543 0.509 0.574 0.574 0.583 0.560 0.557   4.94
73)      m,p-Xylene          1.752 1.763 1.999 1.918 1.916 1.802 1.858   5.39
74)      o-Xylene            1.723 1.665 2.011 1.987 2.033 1.923 1.890   8.33
75)      Styrene             1.159 1.238 1.576 1.547 1.556 1.476 1.426  12.67
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9984
               Response Ratio = 0.00000 + 1.50793 *A

76) P    Bromoform           0.327 0.321 0.371 0.384 0.397 0.390 0.365   9.02
77)      Isopropylbenzene    1.921 2.031 2.442 2.397 2.419 2.288 2.250   9.84

78) I    1,4-Dichlorobenzene-d ----------------ISTD--------------------
79) S    4-Bromofluorobenzen 1.039 1.156 1.168 1.054 1.225 1.237 1.146   7.32
             ---- Linear regression ----  Coefficient =  0.9991
               Response Ratio = -0.38620 + 1.42910 *A

80)      cis-1,4-Dichloro-2- 0.122 0.107 0.173 0.235 0.279 0.271 0.198  37.86
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9947
               Response Ratio = 0.00000 + 0.21869 *A + 0.02918 *A^2

81)      n-Propylbenzene     4.400 4.492 5.323 5.064 4.973 4.759 4.835   7.30
82)      Bromobenzene        1.043 1.073 1.157 1.103 1.066 1.030 1.079   4.26
83) P    1,1,2,2-Tetrachloro 1.055 0.999 1.083 1.068 1.083 1.077 1.061   3.03
84)      1,3,5-Trimethylbenz 3.361 3.617 4.239 4.017 3.990 3.845 3.845   8.16
85)      2-Chlorotoluene     3.272 3.354 3.794 3.622 3.583 3.466 3.515   5.41
86)      trans-1,4-Dichloro- 0.163 0.158 0.247 0.320 0.371 0.364 0.270  35.45
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9961
               Response Ratio = 0.00000 + 0.29927 *A + 0.03539 *A^2

87)      1,2,3-Trichloroprop 0.292 0.306 0.320 0.316 0.328 0.325 0.315   4.23
88)      Cyclohexanone       0.043 0.048 0.057 0.056 0.059 0.063 0.054  13.71
             ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9998
               Response Ratio = 0.00000 + 0.05196 *A + 0.00105 *A^2

89)      4-Chlorotoluene     2.966 2.996 3.430 3.359 3.407 3.301 3.243   6.41
90)      a-Methyl Styrene    1.399 1.614 2.091 2.022 2.007 1.965 1.850  14.99
             ---- Linear regr., Force(0,0) ----  Coefficient =  0.9994
               Response Ratio = 0.00000 + 1.98484 *A

91)      tert-Butylbenzene   1.940 2.056 2.441 2.362 2.409 2.309 2.253   9.14
92)      1,2,4-Trimethylbenz 3.562 3.719 4.343 4.196 4.216 4.111 4.025   7.71
93)      Pentachloroethane   0.698 0.669 0.795 0.736 0.714 0.669 0.713   6.69
94)      sec-Butylbenzene    4.102 4.208 5.014 4.861 4.882 4.666 4.622   8.22
95)      4-Isopropyltoluene  3.160 3.446 4.238 4.030 4.018 3.897 3.798  10.77
```

Initial Calibration Summary

Job Number: FA9297 **Sample:** VO791-ICC791
Account: CCCOB Cameron-Cole, LLC **Lab FileID:** O19858.D
Project: Wichita Sampling Event; Wichita, KS

```
              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9992
                Response Ratio = 0.00000 + 3.95187 *A

 96)     1,3-Dichlorobenzene 1.873 1.868 2.104 2.024 1.999 1.950 1.970   4.64
 97)     1,4-Dichlorobenzene 2.122 2.006 2.246 2.171 2.170 2.104 2.137   3.77
 98)     n-Butylbenzene      2.111 2.157 2.667 2.614 2.556 2.460 2.428   9.81
 99)     Benzyl Chloride     0.251 0.317 0.410 0.407 0.420 0.416 0.370  18.90
              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9998
                Response Ratio = 0.00000 + 0.41634 *A

100)     1,2-Dichlorobenzene 1.823 1.846 2.038 1.969 1.962 1.922 1.927   4.20
101)     1,2-Dibromo-3-Chlor 0.203 0.179 0.196 0.206 0.221 0.220 0.204   7.81
102)     Hexachlorobutadiene 0.874 0.784 0.968 0.934 0.964 0.919 0.907   7.65
103)     1,2,4-Trichlorobenz 1.487 1.418 1.626 1.640 1.652 1.576 1.566   6.04
104)     Naphthalene         2.669 2.737 3.155 3.295 3.334 3.230 3.070   9.50
              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9994
                Response Ratio = 0.00000 + 3.26394 *A

105)     1,2,3-Trichlorobenz 1.484 1.352 1.460 1.460 1.435 1.360 1.425   3.92

106) I   Tert Butyl Alcohol-d1 ----------------ISTD---------------------
107)     Ethanol             0.425 0.211 0.254 0.221 0.255 0.245 0.269  29.39
              ---- Quadratic regr., Force(0,0) ----  Coefficient =  0.9970
                Response Ratio = 0.00000 + 0.23683 *A + 0.00137 *A^2

108)     acrolein            3.519 3.641 3.933 3.763 3.719 3.583 3.693   3.99
109)     Tert Butyl Alcohol  2.375 2.115 2.159 2.024 2.117 2.020 2.135   6.09
110)     tert Amyl alcohol   1.612 1.537 1.697 1.584 1.673 1.609 1.619   3.62
111)     Isobutyl alcohol    0.621 0.561 0.662 0.613 0.607 0.573 0.606   5.96
112)     1,4-Dioxane         0.133 0.148 0.146 0.137 0.148 0.141 0.142   4.43
113)     3,3-Dimethyl-1-buta 1.114 1.289 1.760 1.656 1.705 1.704 1.538  17.45
              ---- Linear regr., Force(0,0) ----  Coefficient =  0.9997
                Response Ratio = 0.00000 + 1.70023 *A

 ---------------------------------------------------------------------------
 (#) = Out of Range

           msoNCOXY103113.m        Fri Nov 01 13:41:44 2013
```

Initial Calibration Verification

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Sample: VO791-ICV791
Lab FileID: O19862.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\data\103113\O19862.D            Vial: 8
Acq On    : 31 Oct 2013  12:24 pm                     Operator: melissam
Sample    : ICV791-4                                  Inst    : MSVOA12
Misc      : MS25527,VO791,,,,,                        Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\1\met...msoNCOXY103113.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Thu Oct 31 12:02:13 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	112	0.00	7.48
2	Dichlorodifluoromethane	0.401	0.626	-56.1#	169	0.00	2.54
3 P	Chloromethane	0.919	1.008	-9.7	123	0.00	2.75
4	1,3-Butadiene	0.550	0.102	81.5#	20#	0.00	2.88
5 C	Vinyl Chloride	0.505	0.563	-11.5	121	0.00	2.89
6	Bromomethane	0.237	0.242	-2.1	114	0.00	3.29
		Amount	Calc.	%Drift			
7	Chloroethane	40.000	38.934	2.7	111	0.00	3.45
8	Trichlorofluoromethane	40.000	32.972	17.6	95	0.00	3.66
		AvgRF	CCRF	%Dev			
9	Ethyl Ether	0.441	0.422	4.3	107	0.00	3.95
10	1,2-Dichlorotrifluoroetha	0.512	0.527	-2.9	110	0.00	4.18
11 C	1,1-Dichloroethene	0.829	0.903	-8.9	115	0.00	4.20
12	Freon 113	0.461	0.419	9.1	96	0.00	4.28
13	Carbon Disulfide	1.382	1.176	14.9	93	0.00	4.26
14	Iodomethane	0.694	0.665	4.2	103	0.00	4.38
15	Allyl chloride	0.911	0.859	5.7	101	0.00	4.72
		Amount	Calc.	%Drift			
16	Methylene Chloride	40.000	42.714	-6.8	114	0.00	4.84
17	Acetone	200.000	234.016	-17.0	134	0.00	4.87
		AvgRF	CCRF	%Dev			
18	Methyl acetate	0.056	0.045	19.6	90	0.00	4.99
19	trans-1,2-Dichloroethene	0.813	0.849	-4.4	113	0.00	5.01
20	Hexane	0.495	0.447	9.7	99	0.00	5.07
21	Methyl Tert Butyl Ether	1.147	1.090	5.0	103	0.00	5.12
		Amount	Calc.	%Drift			
22	Acetonitrile	400.000	399.083	0.2	110	0.00	5.38
		AvgRF	CCRF	%Dev			
23	Di-isopropyl ether	2.318	2.186	5.7	102	0.00	5.49
		Amount	Calc.	%Drift			
24	Chloroprene	40.000	35.828	10.4	102	0.00	5.63
		AvgRF	CCRF	%Dev			
25 P	1,1-Dichloroethane	0.940	0.973	-3.5	112	0.00	5.65
26	Acrylonitrile	0.191	0.195	-2.1	113	0.00	5.70

Initial Calibration Verification

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VO791-ICV791
Lab FileID: O19862.D

27		ETBE	1.831	1.734	5.3	101	0.00	5.87
28		Vinyl acetate	0.963	1.022	-6.1	113	0.00	5.88
29		cis-1,2-Dichloroethene	0.411	0.430	-4.6	114	0.00	6.21
		----------	Amount	Calc.	%Drift	----------		
30		2,2-Dichloropropane	40.000	41.133	-2.8	112	0.00	6.34
		----------	AvgRF	CCRF	%Dev	----------		
31		Bromochloromethane	0.211	0.204	3.3	104	0.00	6.42
32		Cyclohexane	1.017	1.038	-2.1	105	0.00	6.45
33	C	Chloroform	0.806	0.810	-0.5	110	0.00	6.48
34		Ethyl acetate	0.516	0.483	6.4	104	0.00	6.56
35		Tetrahydrofuran	0.153	0.143	6.5	106	0.00	6.65
		----------	Amount	Calc.	%Drift	----------		
36	S	Dibromofluoromethane	50.000	48.811	2.4	111	0.00	6.67
37		Carbon Tetrachloride	40.000	37.222	6.9	106	0.00	6.65
		----------	AvgRF	CCRF	%Dev	----------		
38		1,1,1-Trichloroethane	0.754	0.772	-2.4	108	0.00	6.71
39		2-Butanone	0.228	0.251	-10.1	123	0.00	6.77
		----------	Amount	Calc.	%Drift	----------		
40		1,1-Dichloropropene	40.000	41.979	-4.9	115	0.00	6.82
41		tert-Butyl Formate	400.000	430.652	-7.7	119	0.00	6.93
		----------	AvgRF	CCRF	%Dev	----------		
42		Propionitrile	0.068	0.064	5.9	107	0.00	7.09
43		Methacrylonitrile	0.346	0.325	6.1	104	0.00	7.11
44		Benzene	1.357	1.402	-3.3	111	0.00	7.08
45		TAME	1.096	1.030	6.0	100	0.00	7.16
46	S	1,2-Dichloroethane-d4	0.517	0.460	11.0	110	0.00	7.21
47		1,2-Dichloroethane	0.840	0.848	-1.0	110	0.00	7.28
48		Trichloroethene	0.409	0.412	-0.7	111	0.00	7.65
		----------	Amount	Calc.	%Drift	----------		
49		Methylcyclohexane	40.000	35.162	12.1	100	0.00	7.66
		----------	AvgRF	CCRF	%Dev	----------		
50		Dibromomethane	0.261	0.274	-5.0	114	0.00	8.09
51	C	1,2-Dichloropropane	0.482	0.509	-5.6	117	0.00	8.18
52		Bromodichloromethane	0.594	0.613	-3.2	111	0.00	8.23
53		Methyl methacrylate	0.469	0.479	-2.1	111	0.00	8.34
54		2-Chloroethyl vinyl ether	0.282	0.297	-5.3	112	0.00	8.77
55		cis-1,3-Dichloropropene	0.640	0.678	-5.9	112	0.00	8.85
56	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00	10.63
		----------	Amount	Calc.	%Drift	----------		
57	S	Toluene-d8	50.000	50.669	-1.3	113	0.00	9.04
		----------	AvgRF	CCRF	%Dev	----------		
58	C	Toluene	2.057	2.094	-1.8	111	0.00	9.10
		----------	Amount	Calc.	%Drift	----------		
59		2-Nitropropane	200.000	168.738	15.6	96	0.00	9.33
		----------	AvgRF	CCRF	%Dev	----------		
60		4-Methyl-2-pentanone	0.670	0.720	-7.5	114	0.00	9.45

Initial Calibration Verification

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VO791-ICV791
Lab FileID: O19862.D

			Amount	Calc.	%Drift			
61		trans-1,3-Dichloropropene	40.000	44.131	-10.3	122	0.00	9.50
			AvgRF	CCRF	%Dev			
62		Tetrachloroethene	0.540	0.535	0.9	106	0.00	9.49
			Amount	Calc.	%Drift			
63		Ethyl methacrylate	40.000	35.206	12.0	102	0.00	9.62
			AvgRF	CCRF	%Dev			
64		1,1,2-Trichloroethane	0.375	0.396	-5.6	113	0.00	9.67
65		Dibromochloromethane	0.586	0.621	-6.0	114	0.00	9.87
66		1,3-Dichloropropane	0.769	0.814	-5.9	115	0.00	9.96
67		1,2-Dibromoethane	0.481	0.513	-6.7	117	0.00	10.13
68		2-hexanone	0.480	0.518	-7.9	115	0.00	10.29
			Amount	Calc.	%Drift			
69		1-Chlorohexane	40.000	35.250	11.9	97	0.00	10.59
			AvgRF	CCRF	%Dev			
70	C	Ethylbenzene	2.480	2.494	-0.6	110	0.00	10.66
71	P	Chlorobenzene	1.271	1.402	-10.3	121	0.00	10.65
72		1,1,1,2-Tetrachloroethane	0.557	0.575	-3.2	111	0.00	10.71
73		m,p-Xylene	1.858	1.971	-6.1	114	0.00	10.80
74		o-Xylene	1.890	2.118	-12.1	118	0.00	11.26
			Amount	Calc.	%Drift			
75		Styrene	40.000	41.154	-2.9	111	0.00	11.31
			AvgRF	CCRF	%Dev			
76	P	Bromoform	0.365	0.391	-7.1	113	0.00	11.36
77		Isopropylbenzene	2.250	2.540	-12.9	117	0.00	11.58
78	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	109	0.00	13.10
			Amount	Calc.	%Drift			
79	S	4-Bromofluorobenzene	50.000	50.526	-1.1	109	0.00	11.90
80		cis-1,4-Dichloro-2-butene	40.000	52.676	-31.7#	152	0.00	11.95
			AvgRF	CCRF	%Dev			
81		n-Propylbenzene	4.835	5.453	-12.8	117	0.00	12.02
82		Bromobenzene	1.079	1.122	-4.0	111	0.00	12.02
83	P	1,1,2,2-Tetrachloroethane	1.061	1.114	-5.0	114	0.00	12.08
84		1,3,5-Trimethylbenzene	3.845	3.891	-1.2	105	0.00	12.22
85		2-Chlorotoluene	3.515	3.835	-9.1	115	0.00	12.21
			Amount	Calc.	%Drift			
86		trans-1,4-Dichloro-2-Bute	40.000	44.169	-10.4	124	0.00	12.28
			AvgRF	CCRF	%Dev			
87		1,2,3-Trichloropropane	0.315	0.330	-4.8	114	0.00	12.25
			Amount	Calc.	%Drift			
88		Cyclohexanone	200.000	151.331	24.3#	81	0.00	12.32
			AvgRF	CCRF	%Dev			
89		4-Chlorotoluene	3.243	3.680	-13.5	119	0.00	12.38
			Amount	Calc.	%Drift			
90		a-Methyl Styrene	40.000	0.333	99.2#	1	0.00	12.49

Initial Calibration Verification

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VO791-ICV791
Lab FileID: O19862.D

		AvgRF	CCRF	%Dev			
91	tert-Butylbenzene	2.253	2.459	-9.1	113	0.00	12.57
92	1,2,4-Trimethylbenzene	4.025	4.112	-2.2	107	0.00	12.65
93	Pentachloroethane	0.713	0.742	-4.1	110	0.00	12.62
94	sec-Butylbenzene	4.622	5.159	-11.6	116	0.00	12.76

		Amount	Calc.	%Drift			
95	4-Isopropyltoluene	40.000	42.556	-6.4	114	0.00	12.91

		AvgRF	CCRF	%Dev			
96	1,3-Dichlorobenzene	1.970	2.181	-10.7	117	0.00	13.03
97	1,4-Dichlorobenzene	2.137	2.181	-2.1	109	0.00	13.12
98	n-Butylbenzene	2.428	2.480	-2.1	103	0.00	13.38

		Amount	Calc.	%Drift			
99	Benzyl Chloride	40.000	37.682	5.8	105	0.00	13.38

		AvgRF	CCRF	%Dev			
100	1,2-Dichlorobenzene	1.927	2.130	-10.5	118	0.00	13.59
101	1,2-Dibromo-3-Chloropropa	0.204	0.213	-4.4	112	0.00	14.48
102	Hexachlorobutadiene	0.907	0.929	-2.4	108	0.00	15.19
103	1,2,4-Trichlorobenzene	1.566	1.636	-4.5	109	0.00	15.24

		Amount	Calc.	%Drift			
104	Naphthalene	40.000	41.275	-3.2	111	0.00	15.61

		AvgRF	CCRF	%Dev			
105	1,2,3-Trichlorobenzene	1.425	1.480	-3.9	110	0.00	15.83
106 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	107	0.00	5.10

		Amount	Calc.	%Drift			
107	Ethanol	800.000	608.604	23.9#	89	-0.01	4.12

		AvgRF	CCRF	%Dev			
108	acrolein	3.693	3.499	5.3	100	0.00	4.57
109	Tert Butyl Alcohol	2.135	1.950	8.7	103	0.00	5.18
110	tert Amyl alcohol	1.619	1.531	5.4	104	0.00	7.32
111	Isobutyl alcohol	0.606	0.543	10.4	95	0.00	7.21
112	1,4-Dioxane	0.142	0.116	18.3	90	0.00	8.41

		Amount	Calc.	%Drift			
113	3,3-Dimethyl-1-butanol	2000.000	1895.597	5.2	104	0.00	10.24

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O19858.D msoNCOXY103113.m Fri Nov 01 11:56:48 2013

Continuing Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Sample: VO791-CC791
Lab FileID: O19864.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\data\103113\O19864.D            Vial: 1
Acq On    : 31 Oct 2013   1:31 pm                    Operator: melissam
Sample    : cc791-4                                  Inst    : MSVOA12
Misc      : MS25527,VO791,,,,,                       Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\1\met...msoNCOXY103113.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Thu Oct 31 12:02:13 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1	I	Fluorobenzene	1.000	1.000	0.0	116	0.00	7.49
2		Dichlorodifluoromethane	0.401	0.399	0.5	111	0.00	2.54
3	P	Chloromethane	0.919	0.899	2.2	113	0.00	2.75
4		1,3-Butadiene	0.550	0.515	6.4	106	0.00	2.89
5	C	Vinyl Chloride	0.505	0.519	-2.8	116	0.00	2.89
6		Bromomethane	0.237	0.237	0.0	115	0.00	3.30
		----------	Amount	Calc.	%Drift		----------	
7		Chloroethane	40.000	38.066	4.8	112	0.00	3.45
8		Trichlorofluoromethane	40.000	36.010	10.0	106	0.00	3.66
		----------	AvgRF	CCRF	%Dev		----------	
9		Ethyl Ether	0.441	0.432	2.0	113	0.00	3.95
10		1,2-Dichlorotrifluoroetha	0.512	0.500	2.3	107	0.00	4.19
11	C	1,1-Dichloroethene	0.829	0.802	3.3	106	0.00	4.21
12		Freon 113	0.461	0.455	1.3	107	0.00	4.27
13		Carbon Disulfide	1.382	1.317	4.7	107	0.00	4.26
14		Iodomethane	0.694	0.670	3.5	107	0.00	4.38
15		Allyl chloride	0.911	0.903	0.9	109	0.00	4.72
		----------	Amount	Calc.	%Drift		----------	
16		Methylene Chloride	40.000	39.737	0.7	109	0.00	4.84
17		Acetone	200.000	194.431	2.8	115	0.00	4.87
		----------	AvgRF	CCRF	%Dev		----------	
18		Methyl acetate	0.056	0.057	-1.8	118	0.00	4.99
19		trans-1,2-Dichloroethene	0.813	0.785	3.4	107	0.00	5.01
20		Hexane	0.495	0.491	0.8	112	0.00	5.07
21		Methyl Tert Butyl Ether	1.147	1.149	-0.2	111	0.00	5.12
		----------	Amount	Calc.	%Drift		----------	
22		Acetonitrile	400.000	399.369	0.2	113	0.00	5.38
		----------	AvgRF	CCRF	%Dev		----------	
23		Di-isopropyl ether	2.318	2.241	3.3	108	0.00	5.49
		----------	Amount	Calc.	%Drift		----------	
24		Chloroprene	40.000	36.371	9.1	107	0.00	5.63
		----------	AvgRF	CCRF	%Dev		----------	
25	P	1,1-Dichloroethane	0.940	0.911	3.1	108	0.00	5.66
26		Acrylonitrile	0.191	0.193	-1.0	115	0.00	5.70

Continuing Calibration Summary

Job Number: FA9297 **Sample:** VO791-CC791
Account: CCCOB Cameron-Cole, LLC **Lab FileID:** O19864.D
Project: Wichita Sampling Event; Wichita, KS

27		ETBE	1.831	1.846	-0.8	110	0.00	5.87
28		Vinyl acetate	0.963	0.971	-0.8	111	0.00	5.88
29		cis-1,2-Dichloroethene	0.411	0.400	2.7	110	0.00	6.21
		----------	Amount	Calc.	%Drift	----------		
30		2,2-Dichloropropane	40.000	37.461	6.3	105	0.00	6.34
		----------	AvgRF	CCRF	%Dev	----------		
31		Bromochloromethane	0.211	0.211	0.0	111	0.00	6.42
32		Cyclohexane	1.017	1.043	-2.6	109	0.00	6.45
33	C	Chloroform	0.806	0.764	5.2	107	0.00	6.48
34		Ethyl acetate	0.516	0.511	1.0	113	0.00	6.57
35		Tetrahydrofuran	0.153	0.143	6.5	110	0.00	6.65
		----------	Amount	Calc.	%Drift	----------		
36	S	Dibromofluoromethane	50.000	48.318	3.4	113	0.00	6.66
37		Carbon Tetrachloride	40.000	35.082	12.3	103	0.00	6.65
		----------	AvgRF	CCRF	%Dev	----------		
38		1,1,1-Trichloroethane	0.754	0.724	4.0	105	0.00	6.72
39		2-Butanone	0.228	0.223	2.2	113	0.00	6.77
		----------	Amount	Calc.	%Drift	----------		
40		1,1-Dichloropropene	40.000	37.525	6.2	106	0.00	6.83
41		tert-Butyl Formate	400.000	406.232	-1.6	116	0.00	6.93
		----------	AvgRF	CCRF	%Dev	----------		
42		Propionitrile	0.068	0.069	-1.5	118	0.00	7.09
43		Methacrylonitrile	0.346	0.339	2.0	112	0.00	7.11
44		Benzene	1.357	1.315	3.1	108	0.00	7.09
45		TAME	1.096	1.109	-1.2	111	0.00	7.16
46	S	1,2-Dichloroethane-d4	0.517	0.455	12.0	112	0.00	7.21
47		1,2-Dichloroethane	0.840	0.784	6.7	105	0.00	7.28
48		Trichloroethene	0.409	0.385	5.9	107	0.00	7.65
		----------	Amount	Calc.	%Drift	----------		
49		Methylcyclohexane	40.000	37.187	7.0	109	0.00	7.66
		----------	AvgRF	CCRF	%Dev	----------		
50		Dibromomethane	0.261	0.255	2.3	109	0.00	8.09
51	C	1,2-Dichloropropane	0.482	0.471	2.3	111	0.00	8.18
52		Bromodichloromethane	0.594	0.572	3.7	107	0.00	8.23
53		Methyl methacrylate	0.469	0.480	-2.3	115	0.00	8.35
54		2-Chloroethyl vinyl ether	0.282	0.298	-5.7	115	0.00	8.77
55		cis-1,3-Dichloropropene	0.640	0.639	0.2	109	0.00	8.85
56	I	Chlorobenzene-d5	1.000	1.000	0.0	113	0.00	10.63
		----------	Amount	Calc.	%Drift	----------		
57	S	Toluene-d8	50.000	50.970	-1.9	116	0.00	9.05
		----------	AvgRF	CCRF	%Dev	----------		
58	C	Toluene	2.057	1.989	3.3	108	0.00	9.10
		----------	Amount	Calc.	%Drift	----------		
59		2-Nitropropane	200.000	186.580	6.7	108	0.00	9.33
		----------	AvgRF	CCRF	%Dev	----------		
60		4-Methyl-2-pentanone	0.670	0.692	-3.3	112	0.00	9.45

Continuing Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VO791-CC791
Lab FileID: O19864.D

			Amount	Calc.	%Drift			
61		trans-1,3-Dichloropropene	40.000	38.474	3.8	109	0.00	9.50
			AvgRF	CCRF	%Dev			
62		Tetrachloroethene	0.540	0.505	6.5	102	0.00	9.49
			Amount	Calc.	%Drift			
63		Ethyl methacrylate	40.000	39.417	1.5	117	0.00	9.62
			AvgRF	CCRF	%Dev			
64		1,1,2-Trichloroethane	0.375	0.377	-0.5	110	0.00	9.67
65		Dibromochloromethane	0.586	0.582	0.7	109	0.00	9.87
66		1,3-Dichloropropane	0.769	0.758	1.4	110	0.00	9.96
67		1,2-Dibromoethane	0.481	0.477	0.8	111	0.00	10.13
68		2-hexanone	0.480	0.497	-3.5	113	0.00	10.29
			Amount	Calc.	%Drift			
69		1-Chlorohexane	40.000	37.814	5.5	106	0.00	10.59
			AvgRF	CCRF	%Dev			
70	C	Ethylbenzene	2.480	2.368	4.5	107	0.00	10.66
71	P	Chlorobenzene	1.271	1.238	2.6	109	0.00	10.65
72		1,1,1,2-Tetrachloroethane	0.557	0.536	3.8	106	0.00	10.71
73		m,p-Xylene	1.858	1.816	2.3	107	0.00	10.80
74		o-Xylene	1.890	1.872	1.0	107	0.00	11.26
			Amount	Calc.	%Drift			
75		Styrene	40.000	39.345	1.6	109	0.00	11.31
			AvgRF	CCRF	%Dev			
76	P	Bromoform	0.365	0.374	-2.5	110	0.00	11.36
77		Isopropylbenzene	2.250	2.243	0.3	106	0.00	11.58
78	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	112	0.00	13.10
			Amount	Calc.	%Drift			
79	S	4-Bromofluorobenzene	50.000	50.595	-1.2	113	0.00	11.90
80		cis-1,4-Dichloro-2-butene	40.000	50.367	-25.9#	149	0.00	11.95
			AvgRF	CCRF	%Dev			
81		n-Propylbenzene	4.835	4.819	0.3	107	0.00	12.02
82		Bromobenzene	1.079	1.058	1.9	108	0.00	12.02
83	P	1,1,2,2-Tetrachloroethane	1.061	1.062	-0.1	112	0.00	12.08
84		1,3,5-Trimethylbenzene	3.845	3.836	0.2	107	0.00	12.22
85		2-Chlorotoluene	3.515	3.440	2.1	106	0.00	12.21
			Amount	Calc.	%Drift			
86		trans-1,4-Dichloro-2-Bute	40.000	46.616	-16.5	136	0.00	12.28
			AvgRF	CCRF	%Dev			
87		1,2,3-Trichloropropane	0.315	0.320	-1.6	114	0.00	12.25
			Amount	Calc.	%Drift			
88		Cyclohexanone	200.000	164.007	18.0	90	0.00	12.32
			AvgRF	CCRF	%Dev			
89		4-Chlorotoluene	3.243	3.178	2.0	106	0.00	12.38
			Amount	Calc.	%Drift			
90		a-Methyl Styrene	40.000	40.286	-0.7	111	0.00	12.49

Continuing Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VO791-CC791
Lab FileID: O19864.D

		AvgRF	CCRF	%Dev			
91	tert-Butylbenzene	2.253	2.217	1.6	105	0.00	12.57
92	1,2,4-Trimethylbenzene	4.025	3.998	0.7	107	0.00	12.65
93	Pentachloroethane	0.713	0.775	-8.7	118	0.00	12.61
94	sec-Butylbenzene	4.622	4.594	0.6	106	0.00	12.76

		Amount	Calc.	%Drift			
95	4-Isopropyltoluene	40.000	38.518	3.7	106	0.00	12.91

		AvgRF	CCRF	%Dev			
96	1,3-Dichlorobenzene	1.970	1.921	2.5	106	0.00	13.03
97	1,4-Dichlorobenzene	2.137	2.085	2.4	108	0.00	13.12
98	n-Butylbenzene	2.428	2.451	-0.9	105	0.00	13.38

		Amount	Calc.	%Drift			
99	Benzyl Chloride	40.000	40.901	-2.3	117	0.00	13.38

		AvgRF	CCRF	%Dev			
100	1,2-Dichlorobenzene	1.927	1.886	2.1	107	0.00	13.59
101	1,2-Dibromo-3-Chloropropa	0.204	0.205	-0.5	111	0.00	14.48
102	Hexachlorobutadiene	0.907	0.896	1.2	108	0.00	15.19
103	1,2,4-Trichlorobenzene	1.566	1.601	-2.2	110	0.00	15.24

		Amount	Calc.	%Drift			
104	Naphthalene	40.000	41.011	-2.5	114	0.00	15.61

		AvgRF	CCRF	%Dev			
105	1,2,3-Trichlorobenzene	1.425	1.447	-1.5	111	0.00	15.83
106 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	117	0.00	5.10

		Amount	Calc.	%Drift			
107	Ethanol	800.000	713.449	10.8	114	0.00	4.12

		AvgRF	CCRF	%Dev			
108	acrolein	3.693	3.709	-0.4	116	0.00	4.57
109	Tert Butyl Alcohol	2.135	1.958	8.3	114	0.00	5.18
110	tert Amyl alcohol	1.619	1.591	1.7	118	0.00	7.32
111	Isobutyl alcohol	0.606	0.592	2.3	114	0.00	7.21
112	1,4-Dioxane	0.142	0.131	7.7	112	0.00	8.41

		Amount	Calc.	%Drift			
113	3,3-Dimethyl-1-butanol	2000.000	1948.485	2.6	118	0.00	10.24

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O19858.D msoNCOXY103113.m Fri Nov 01 11:56:50 2013

Continuing Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS
Sample: VO792-CC791
Lab FileID: O19893.D

Evaluate Continuing Calibration Report

```
Data File : C:\msdchem\1\data\110113\O19893.D            Vial: 2
Acq On    :  1 Nov 2013   8:58 am                    Operator: melissam
Sample    : CC791-4                                  Inst    : MSVOA12
Misc      : MS25564,VO792,,,,,                       Multiplr: 1.00
MS Integration Params: RTEINT.P

Method       : C:\msdchem\1\met...msoNCOXY103113.m (RTE Integrator)
Title        : SW-846 Method 5030B/8260B & EPA 624
Last Update  : Thu Oct 31 12:02:13 2013
Response via : Multiple Level Calibration

Min. RRF     :   0.000  Min. Rel. Area :  50%  Max. R.T. Dev  0.50min
Max. RRF Dev :  20%     Max. Rel. Area : 200%
```

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)	R.T.
1 I	Fluorobenzene	1.000	1.000	0.0	95	0.00	7.49
2	Dichlorodifluoromethane	0.401	0.399	0.5	91	0.00	2.55
3 P	Chloromethane	0.919	0.891	3.0	92	0.00	2.76
4	1,3-Butadiene	0.550	0.508	7.6	86	0.01	2.90
5 C	Vinyl Chloride	0.505	0.489	3.2	89	0.00	2.89
6	Bromomethane	0.237	0.234	1.3	93	0.00	3.31
	----------	Amount	Calc.	%Drift		----------	
7	Chloroethane	40.000	36.934	7.7	89	0.00	3.46
8	Trichlorofluoromethane	40.000	38.319	4.2	92	0.00	3.67
	----------	AvgRF	CCRF	%Dev		----------	
9	Ethyl Ether	0.441	0.444	-0.7	95	0.00	3.95
10	1,2-Dichlorotrifluoroetha	0.512	0.511	0.2	90	0.00	4.19
11 C	1,1-Dichloroethene	0.829	0.842	-1.6	91	0.00	4.21
12	Freon 113	0.461	0.469	-1.7	91	0.00	4.28
13	Carbon Disulfide	1.382	1.321	4.4	88	0.00	4.26
14	Iodomethane	0.694	0.695	-0.1	91	0.00	4.38
15	Allyl chloride	0.911	0.949	-4.2	94	0.00	4.73
	----------	Amount	Calc.	%Drift		----------	
16	Methylene Chloride	40.000	41.514	-3.8	93	0.00	4.84
17	Acetone	200.000	199.075	0.5	96	0.00	4.88
	----------	AvgRF	CCRF	%Dev		----------	
18	Methyl acetate	0.056	0.057	-1.8	97	0.00	4.99
19	trans-1,2-Dichloroethene	0.813	0.823	-1.2	92	0.00	5.01
20	Hexane	0.495	0.492	0.6	92	0.00	5.07
21	Methyl Tert Butyl Ether	1.147	1.187	-3.5	94	0.00	5.12
	----------	Amount	Calc.	%Drift		----------	
22	Acetonitrile	400.000	430.694	-7.7	100	0.00	5.38
	----------	AvgRF	CCRF	%Dev		----------	
23	Di-isopropyl ether	2.318	2.397	-3.4	95	0.00	5.49
	----------	Amount	Calc.	%Drift		----------	
24	Chloroprene	40.000	38.393	4.0	92	0.00	5.63
	----------	AvgRF	CCRF	%Dev		----------	
25 P	1,1-Dichloroethane	0.940	0.951	-1.2	92	0.00	5.66
26	Acrylonitrile	0.191	0.197	-3.1	97	0.00	5.70

Continuing Calibration Summary

Job Number: FA9297 **Sample:** VO792-CC791
Account: CCCOB Cameron-Cole, LLC **Lab FileID:** O19893.D
Project: Wichita Sampling Event; Wichita, KS

27		ETBE	1.831	1.937	-5.8	95	0.00	5.87
28		Vinyl acetate	0.963	1.042	-8.2	98	0.00	5.88
29		cis-1,2-Dichloroethene	0.411	0.413	-0.5	92	0.00	6.21
		----------	Amount	Calc.	%Drift	----------		
30		2,2-Dichloropropane	40.000	41.194	-3.0	94	0.00	6.34
		----------	AvgRF	CCRF	%Dev	----------		
31		Bromochloromethane	0.211	0.219	-3.8	94	0.00	6.42
32		Cyclohexane	1.017	1.044	-2.7	89	0.00	6.45
33	C	Chloroform	0.806	0.818	-1.5	94	0.00	6.48
34		Ethyl acetate	0.516	0.542	-5.0	99	0.00	6.57
35		Tetrahydrofuran	0.153	0.149	2.6	94	0.00	6.65
		----------	Amount	Calc.	%Drift	----------		
36	S	Dibromofluoromethane	50.000	49.202	1.6	95	0.00	6.66
37		Carbon Tetrachloride	40.000	38.549	3.6	92	0.00	6.65
		----------	AvgRF	CCRF	%Dev	----------		
38		1,1,1-Trichloroethane	0.754	0.790	-4.8	94	0.00	6.72
39		2-Butanone	0.228	0.241	-5.7	100	0.00	6.77
		----------	Amount	Calc.	%Drift	----------		
40		1,1-Dichloropropene	40.000	39.699	0.8	92	0.00	6.83
41		tert-Butyl Formate	400.000	424.458	-6.1	99	0.00	6.93
		----------	AvgRF	CCRF	%Dev	----------		
42		Propionitrile	0.068	0.070	-2.9	98	0.00	7.09
43		Methacrylonitrile	0.346	0.358	-3.5	97	0.00	7.11
44		Benzene	1.357	1.338	1.4	90	0.00	7.09
45		TAME	1.096	1.142	-4.2	94	0.00	7.16
46	S	1,2-Dichloroethane-d4	0.517	0.480	7.2	97	0.00	7.21
47		1,2-Dichloroethane	0.840	0.877	-4.4	96	0.00	7.28
48		Trichloroethene	0.409	0.408	0.2	93	0.00	7.65
		----------	Amount	Calc.	%Drift	----------		
49		Methylcyclohexane	40.000	36.910	7.7	89	0.00	7.66
		----------	AvgRF	CCRF	%Dev	----------		
50		Dibromomethane	0.261	0.272	-4.2	95	0.00	8.09
51	C	1,2-Dichloropropane	0.482	0.484	-0.4	94	0.00	8.18
52		Bromodichloromethane	0.594	0.619	-4.2	95	0.00	8.23
53		Methyl methacrylate	0.469	0.496	-5.8	97	0.00	8.35
54		2-Chloroethyl vinyl ether	0.282	0.303	-7.4	96	0.00	8.77
55		cis-1,3-Dichloropropene	0.640	0.674	-5.3	94	0.00	8.85
56	I	Chlorobenzene-d5	1.000	1.000	0.0	94	0.00	10.63
		----------	Amount	Calc.	%Drift	----------		
57	S	Toluene-d8	50.000	50.112	-0.2	95	0.00	9.05
		----------	AvgRF	CCRF	%Dev	----------		
58	C	Toluene	2.057	2.037	1.0	92	0.00	9.10
		----------	Amount	Calc.	%Drift	----------		
59		2-Nitropropane	200.000	206.615	-3.3	100	0.00	9.33
		----------	AvgRF	CCRF	%Dev	----------		
60		4-Methyl-2-pentanone	0.670	0.723	-7.9	98	0.00	9.45

Continuing Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VO792-CC791
Lab FileID: O19893.D

			Amount	Calc.	%Drift			
61		trans-1,3-Dichloropropene	40.000	41.136	-2.8	97	0.00	9.50
			AvgRF	CCRF	%Dev			
62		Tetrachloroethene	0.540	0.527	2.4	89	0.00	9.50
			Amount	Calc.	%Drift			
63		Ethyl methacrylate	40.000	38.370	4.1	95	0.00	9.62
			AvgRF	CCRF	%Dev			
64		1,1,2-Trichloroethane	0.375	0.383	-2.1	93	0.00	9.67
65		Dibromochloromethane	0.586	0.616	-5.1	96	0.00	9.87
66		1,3-Dichloropropane	0.769	0.787	-2.3	95	0.00	9.96
67		1,2-Dibromoethane	0.481	0.490	-1.9	95	0.00	10.13
68		2-hexanone	0.480	0.524	-9.2	99	0.00	10.29
			Amount	Calc.	%Drift			
69		1-Chlorohexane	40.000	39.177	2.1	91	0.00	10.59
			AvgRF	CCRF	%Dev			
70	C	Ethylbenzene	2.480	2.485	-0.2	93	0.00	10.66
71	P	Chlorobenzene	1.271	1.281	-0.8	94	0.00	10.65
72		1,1,1,2-Tetrachloroethane	0.557	0.570	-2.3	94	0.00	10.71
73		m,p-Xylene	1.858	1.900	-2.3	93	0.00	10.80
74		o-Xylene	1.890	1.945	-2.9	92	0.00	11.26
			Amount	Calc.	%Drift			
75		Styrene	40.000	40.762	-1.9	94	0.00	11.31
			AvgRF	CCRF	%Dev			
76	P	Bromoform	0.365	0.391	-7.1	96	0.00	11.36
77		Isopropylbenzene	2.250	2.351	-4.5	92	0.00	11.58
78	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00	13.10
			Amount	Calc.	%Drift			
79	S	4-Bromofluorobenzene	50.000	50.478	-1.0	95	0.00	11.90
80		cis-1,4-Dichloro-2-butene	40.000	47.093	-17.7	117	0.00	11.95
			AvgRF	CCRF	%Dev			
81		n-Propylbenzene	4.835	4.929	-1.9	92	0.00	12.02
82		Bromobenzene	1.079	1.084	-0.5	93	0.00	12.02
83	P	1,1,2,2-Tetrachloroethane	1.061	1.053	0.8	93	0.00	12.08
84		1,3,5-Trimethylbenzene	3.845	3.986	-3.7	94	0.00	12.22
85		2-Chlorotoluene	3.515	3.605	-2.6	94	0.00	12.21
			Amount	Calc.	%Drift			
86		trans-1,4-Dichloro-2-Bute	40.000	45.316	-13.3	111	0.00	12.28
			AvgRF	CCRF	%Dev			
87		1,2,3-Trichloropropane	0.315	0.320	-1.6	96	0.00	12.26
			Amount	Calc.	%Drift			
88		Cyclohexanone	200.000	204.276	-2.1	96	0.00	12.32
			AvgRF	CCRF	%Dev			
89		4-Chlorotoluene	3.243	3.346	-3.2	94	0.00	12.38
			Amount	Calc.	%Drift			
90		a-Methyl Styrene	40.000	40.268	-0.7	93	0.00	12.49

Continuing Calibration Summary

Job Number: FA9297
Account: CCCOB Cameron-Cole, LLC
Project: Wichita Sampling Event; Wichita, KS

Sample: VO792-CC791
Lab FileID: O19893.D

		AvgRF	CCRF	%Dev			
91	tert-Butylbenzene	2.253	2.344	-4.0	94	0.00	12.57
92	1,2,4-Trimethylbenzene	4.025	4.190	-4.1	94	0.00	12.65
93	Pentachloroethane	0.713	0.792	-11.1	102	0.00	12.61
94	sec-Butylbenzene	4.622	4.788	-3.6	93	0.00	12.76
		Amount	Calc.	%Drift			
95	4-Isopropyltoluene	40.000	40.204	-0.5	93	0.00	12.91
		AvgRF	CCRF	%Dev			
96	1,3-Dichlorobenzene	1.970	2.004	-1.7	94	0.00	13.03
97	1,4-Dichlorobenzene	2.137	2.165	-1.3	94	0.00	13.12
98	n-Butylbenzene	2.428	2.540	-4.6	92	0.00	13.38
		Amount	Calc.	%Drift			
99	Benzyl Chloride	40.000	40.985	-2.5	99	0.00	13.38
		AvgRF	CCRF	%Dev			
100	1,2-Dichlorobenzene	1.927	1.963	-1.9	94	0.00	13.59
101	1,2-Dibromo-3-Chloropropa	0.204	0.218	-6.9	100	0.00	14.48
102	Hexachlorobutadiene	0.907	0.948	-4.5	96	0.00	15.19
103	1,2,4-Trichlorobenzene	1.566	1.662	-6.1	96	0.00	15.24
		Amount	Calc.	%Drift			
104	Naphthalene	40.000	41.309	-3.3	97	0.00	15.61
		AvgRF	CCRF	%Dev			
105	1,2,3-Trichlorobenzene	1.425	1.490	-4.6	97	0.00	15.83
106 I	Tert Butyl Alcohol-d10	1.000	1.000	0.0	96	0.00	5.10
		Amount	Calc.	%Drift			
107	Ethanol	800.000	818.985	-2.4	107	0.00	4.13
		AvgRF	CCRF	%Dev			
108	acrolein	3.693	3.746	-1.4	95	0.00	4.57
109	Tert Butyl Alcohol	2.135	2.091	2.1	99	0.00	5.18
110	tert Amyl alcohol	1.619	1.647	-1.7	99	0.00	7.33
111	Isobutyl alcohol	0.606	0.634	-4.6	99	0.00	7.21
112	1,4-Dioxane	0.142	0.155	-9.2	108	0.00	8.41
		Amount	Calc.	%Drift			
113	3,3-Dimethyl-1-butanol	2000.000	1983.065	0.8	97	0.00	10.24

(#) = Out of Range SPCC's out = 0 CCC's out = 0
O19858.D msoNCOXY103113.m Mon Nov 04 09:11:08 2013

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

Raw Data

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15258.D
Acq On : 31 Oct 2013 1:58 pm
Operator : WILFREDO
Sample : FA9297-1
Misc : ms25560,vi196,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 09:37:53 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

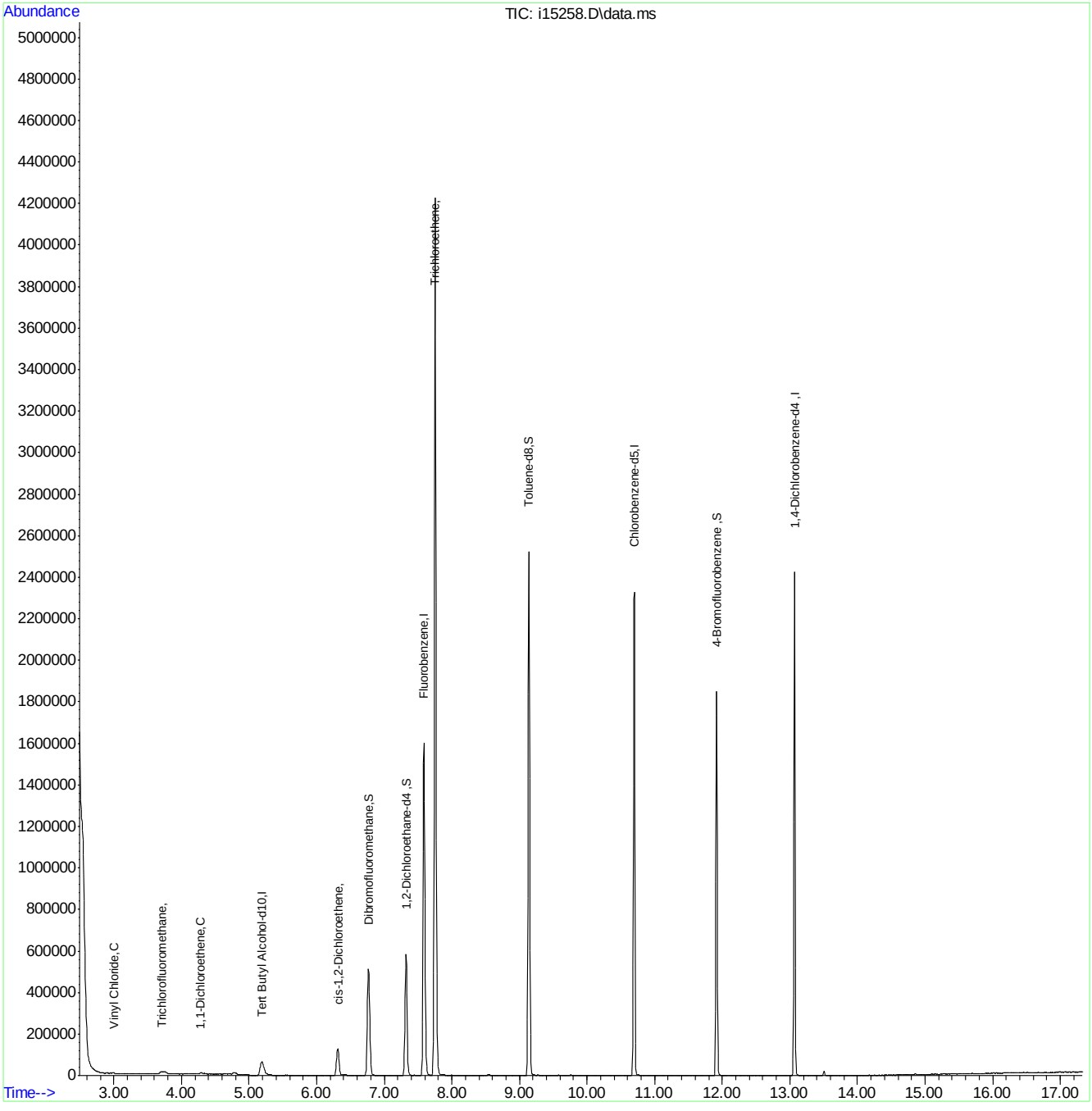
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.589	96	1380891	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1044771	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	485365	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	138416	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.766	113	369086	47.15	ug/L	-0.01
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.30%			
44) 1,2-Dichloroethane-d4	7.321	65	433860	48.77	ug/L	-0.01
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.54%			
55) Toluene-d8	9.138	98	1397138	50.71	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.42%			
77) 4-Bromofluorobenzene	11.918	174	374556	49.54	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.08%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.999	62	2918	0.23	ug/L	72
7) Trichlorofluoromethane	3.706	101	24404	1.24	ug/L	79
10) 1,1-Dichloroethene	4.285	61	4388	0.31	ug/L	91
28) cis-1,2-Dichloroethene	6.315	96	71111	8.91	ug/L	77
46) Trichloroethene	7.754	95	1315768	160.23	ug/L	69

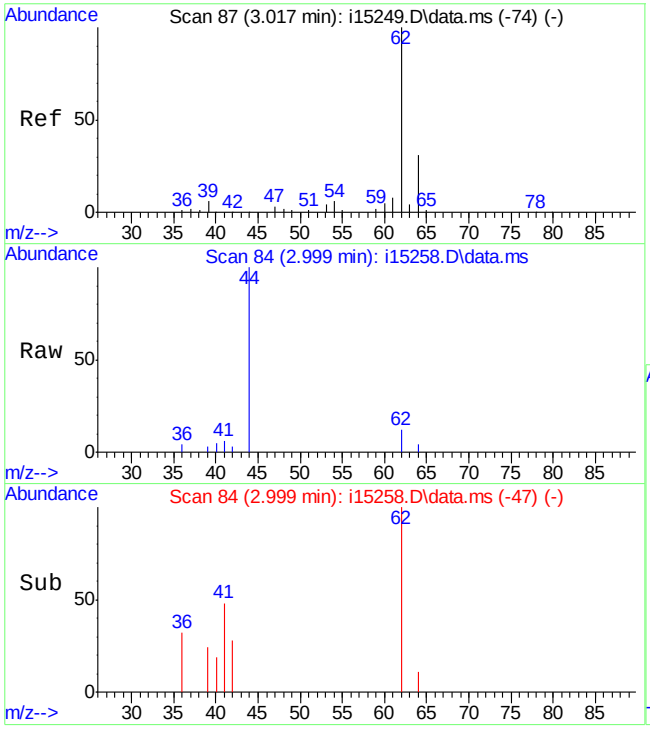
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15258.D
Acq On : 31 Oct 2013 1:58 pm
Operator : WILFREDO
Sample : FA9297-1
Misc : ms25560,vi196,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 09:37:53 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

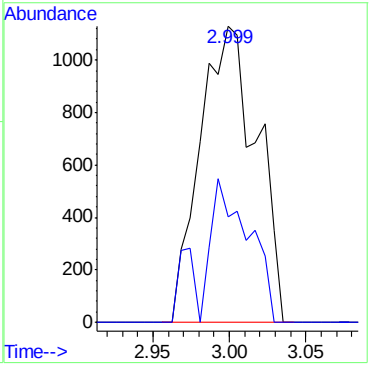


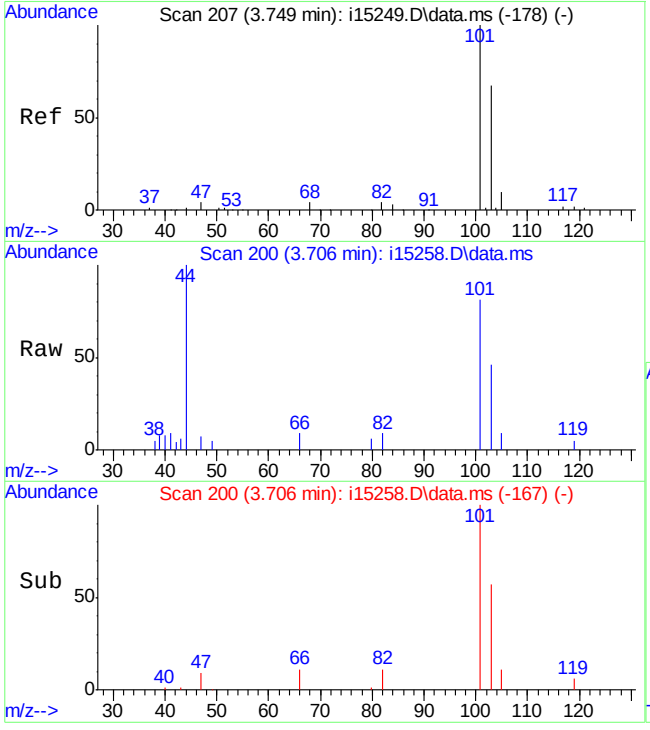


#4
Vinyl Chloride
Concen: 0.23 ug/L
RT: 2.999 min Scan# 84
Delta R.T. -0.024 min
Lab File: i15258.D
Acq: 31 Oct 2013 1:58 pm

Tgt Ion: 62 Resp: 2918

Ion	Ratio	Lower	Upper
62	100		
64	35.6	0.0	52.4

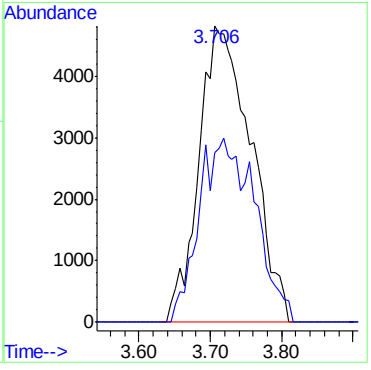


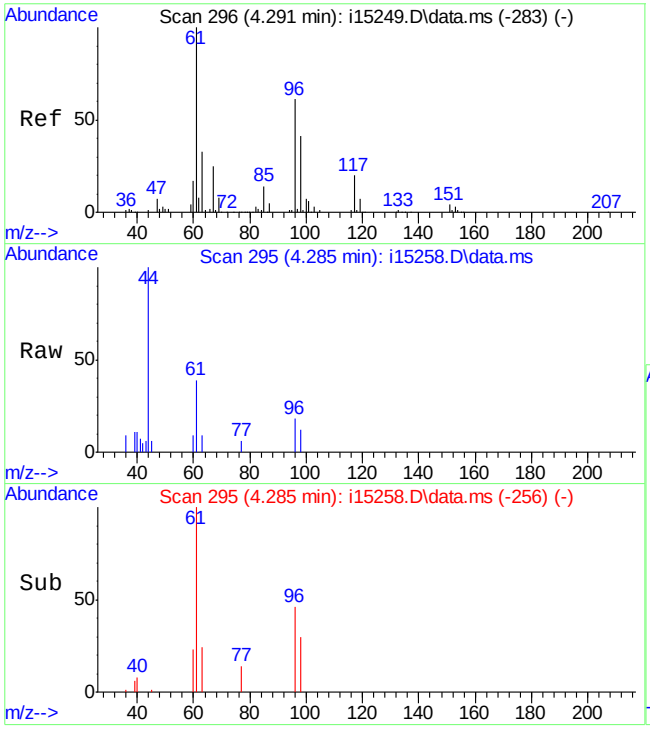


#7
Trichlorofluoromethane
Concen: 1.24 ug/L
RT: 3.706 min Scan# 200
Delta R.T. -0.049 min
Lab File: i15258.D
Acq: 31 Oct 2013 1:58 pm

Tgt Ion:101 Resp: 24404

Ion	Ratio	Lower	Upper
101	100		
103	57.1	13.3	73.3

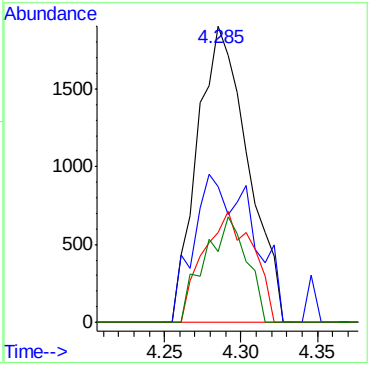


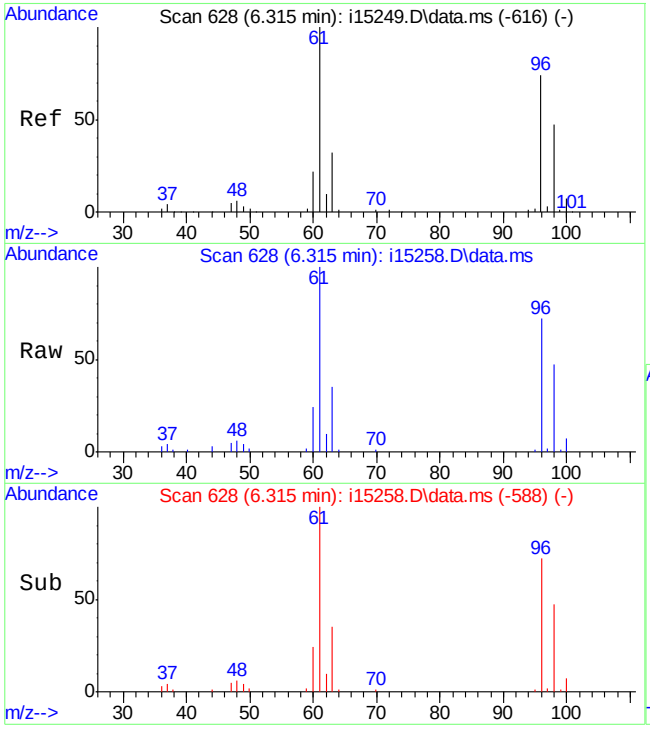


#10
1,1-Dichloroethene
Concen: 0.31 ug/L
RT: 4.285 min Scan# 295
Delta R.T. -0.012 min
Lab File: i15258.D
Acq: 31 Oct 2013 1:58 pm

Tgt Ion: 61 Resp: 4388

Ion	Ratio	Lower	Upper
61	100		
96	45.7	14.1	74.1
98	30.3	0.0	54.1
63	23.8	0.0	45.2

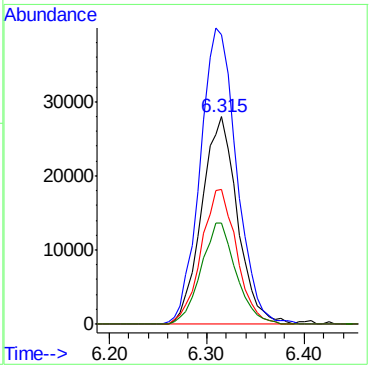


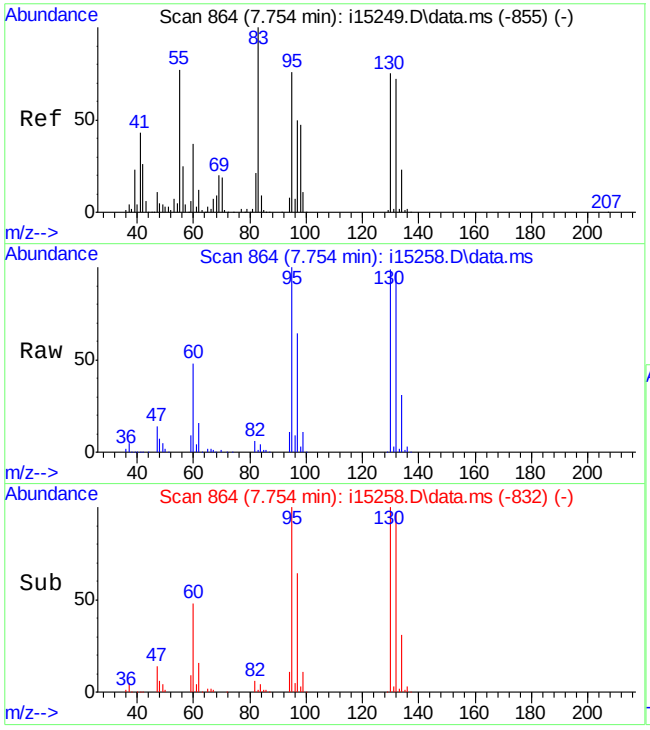


#28
cis-1,2-Dichloroethene
Concen: 8.91 ug/L
RT: 6.315 min Scan# 628
Delta R.T. -0.006 min
Lab File: i15258.D
Acq: 31 Oct 2013 1:58 pm

Tgt Ion: 96 Resp: 71111

Ion	Ratio	Lower	Upper
96	100		
61	139.7	86.5	146.5
98	65.0	17.7	77.7
63	48.5	4.7	64.7

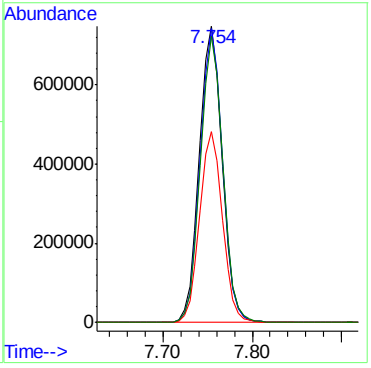




#46
Trichloroethene
Concen: 160.23 ug/L
RT: 7.754 min Scan# 864
Delta R.T. -0.006 min
Lab File: i15258.D
Acq: 31 Oct 2013 1:58 pm

Tgt Ion: 95 Resp: 1315768

Ion	Ratio	Lower	Upper
95	100		
130	99.4	46.4	106.4
97	64.5	5.1	65.1
132	96.7	44.1	104.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15284.D
Acq On : 1 Nov 2013 11:03 am
Operator : WILFREDO
Sample : FA9297-1,5
Misc : ms25560,vi197,,,,,5
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 13:17:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

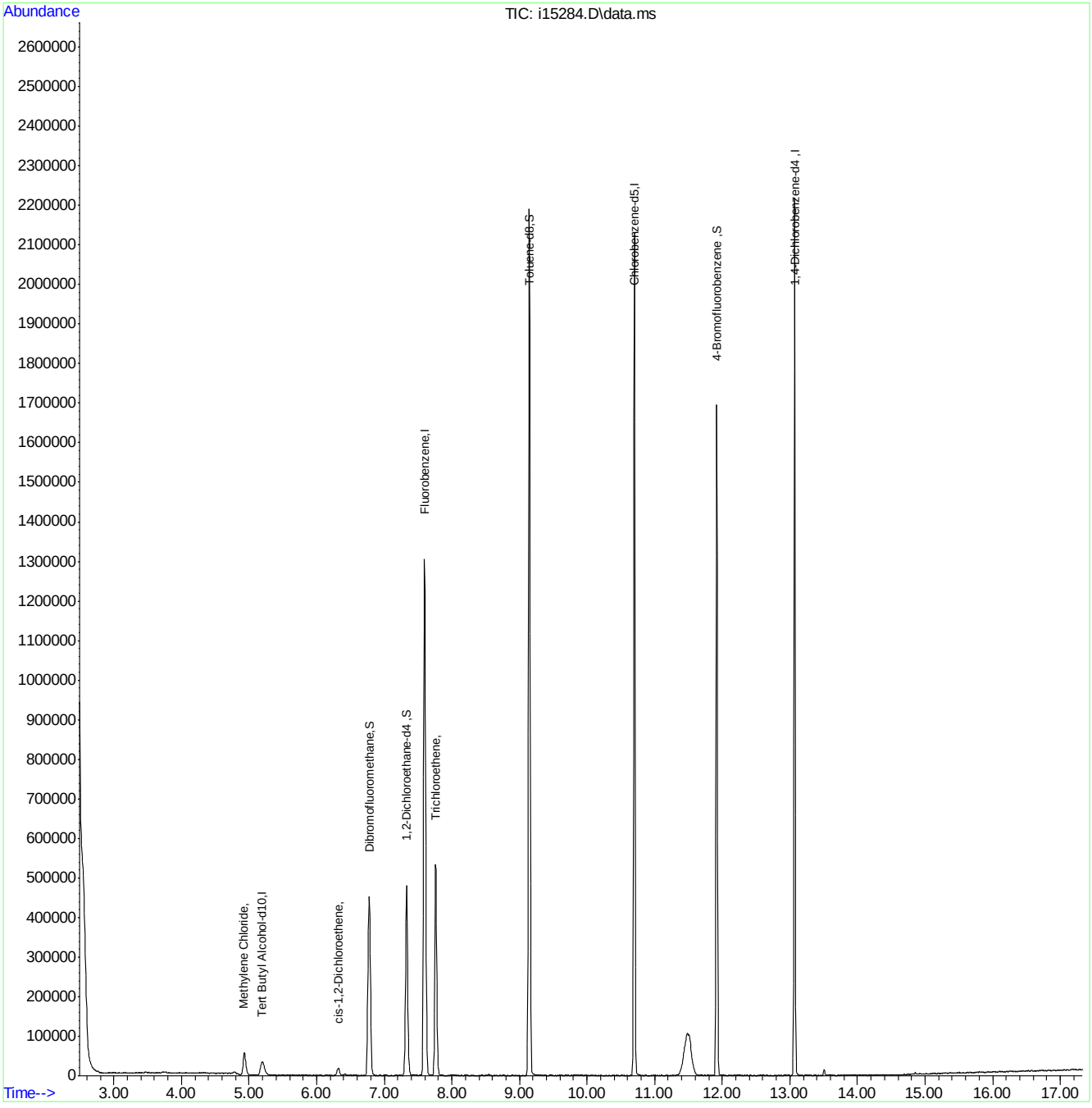
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1200391	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	905362	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	428437	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.188	65	73738	250.00	ug/L	-0.02
System Monitoring Compounds						
35) Dibromofluoromethane	6.779	113	330679	48.59	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.18%			
44) 1,2-Dichloroethane-d4	7.327	65	387585	50.12	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.24%			
55) Toluene-d8	9.144	98	1203926	50.43	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.86%			
77) 4-Bromofluorobenzene	11.918	174	334014	50.05	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.10%			
Target Compounds						Qvalue
15) Methylene Chloride	4.925	49	50922	5.34	ug/L	91
28) cis-1,2-Dichloroethene	6.322	96	11465	1.65	ug/L	73
46) Trichloroethene	7.760	95	186793	26.17	ug/L #	73

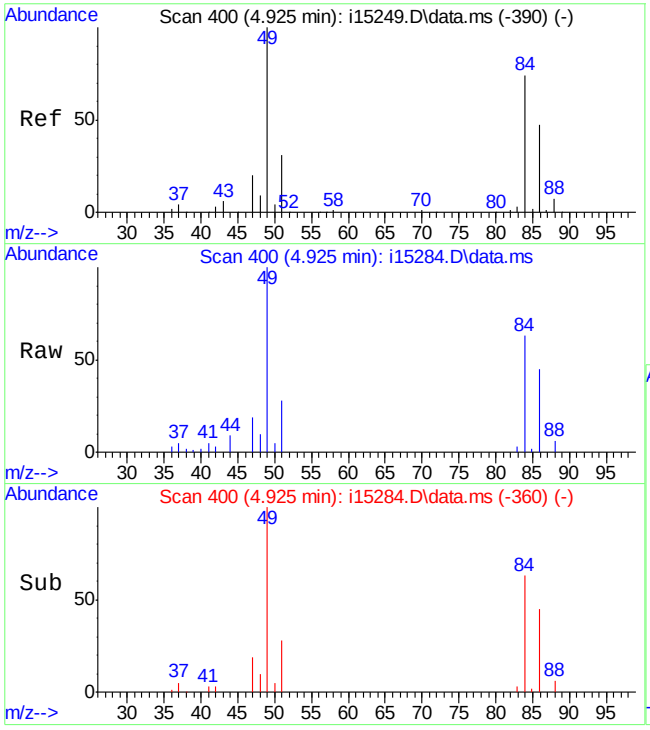
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15284.D
Acq On : 1 Nov 2013 11:03 am
Operator : WILFREDO
Sample : FA9297-1,5
Misc : ms25560,vi197,,,,,5
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 01 13:17:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

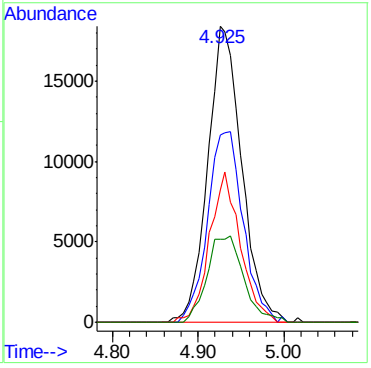


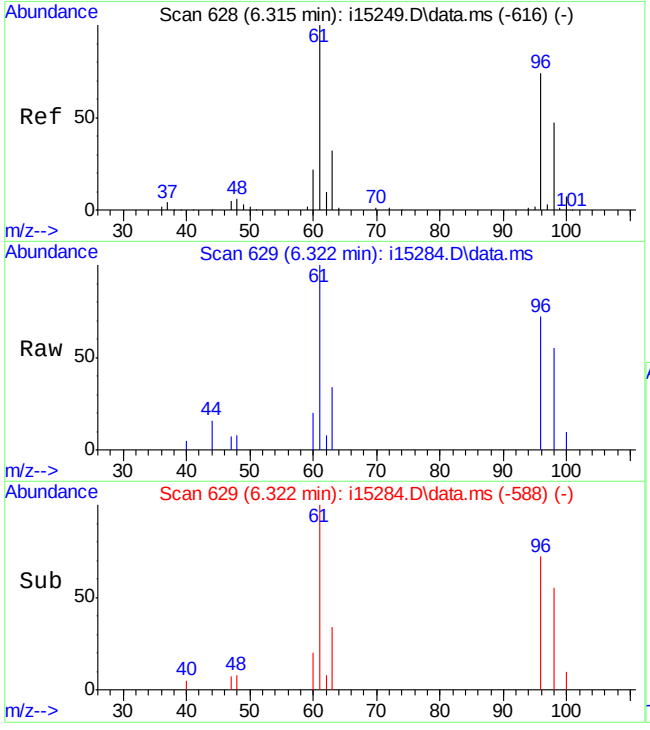


#15
Methylene Chloride
Concen: 5.34 ug/L
RT: 4.925 min Scan# 400
Delta R.T. -0.006 min
Lab File: i15284.D
Acq: 1 Nov 2013 11:03 am

Tgt Ion: 49 Resp: 50922

Ion	Ratio	Lower	Upper
49	100		
84	63.5	38.5	98.5
86	44.8	23.0	83.0
51	28.1	0.0	52.3

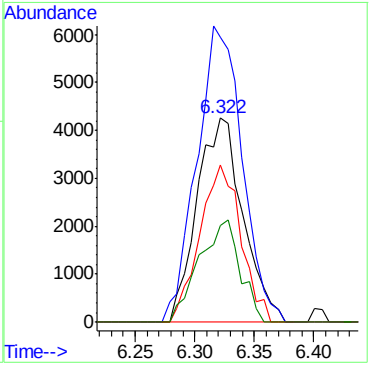


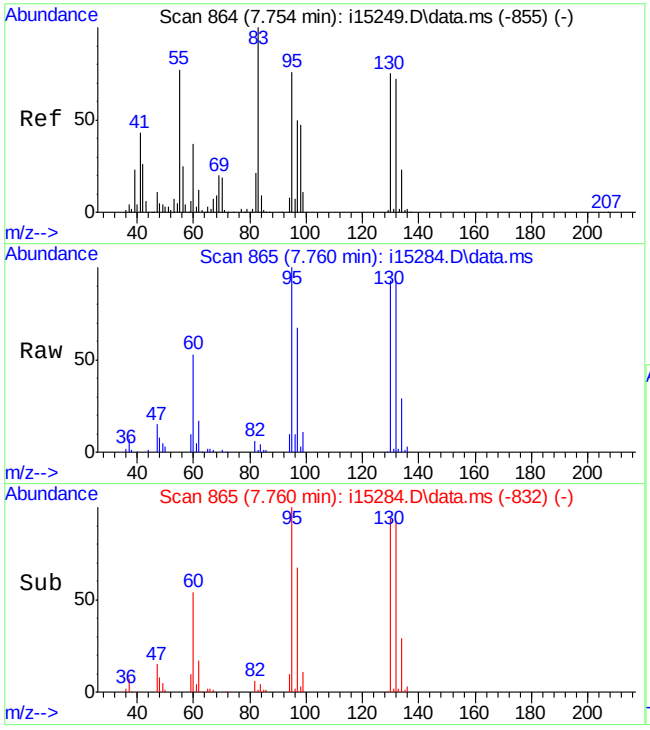


#28
cis-1,2-Dichloroethene
Concen: 1.65 ug/L
RT: 6.322 min Scan# 629
Delta R.T. 0.001 min
Lab File: i15284.D
Acq: 1 Nov 2013 11:03 am

Tgt Ion: 96 Resp: 11465

Ion	Ratio	Lower	Upper
96	100		
61	139.8	86.5	146.5
98	77.3	17.7	77.7
63	47.6	4.7	64.7

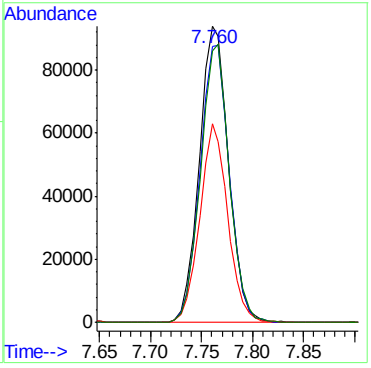




#46
Trichloroethene
Concen: 26.17 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15284.D
Acq: 1 Nov 2013 11:03 am

Tgt Ion: 95 Resp: 186793

Ion	Ratio	Lower	Upper
95	100		
130	93.1	46.4	106.4
97	67.1	5.1	65.1#
132	91.8	44.1	104.1



7.1.2

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15259.D
Acq On : 31 Oct 2013 2:22 pm
Operator : WILFREDO
Sample : FA9297-2
Misc : ms25560,vi196,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 01 09:38:12 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 11:13:36 2013
Response via : Initial Calibration

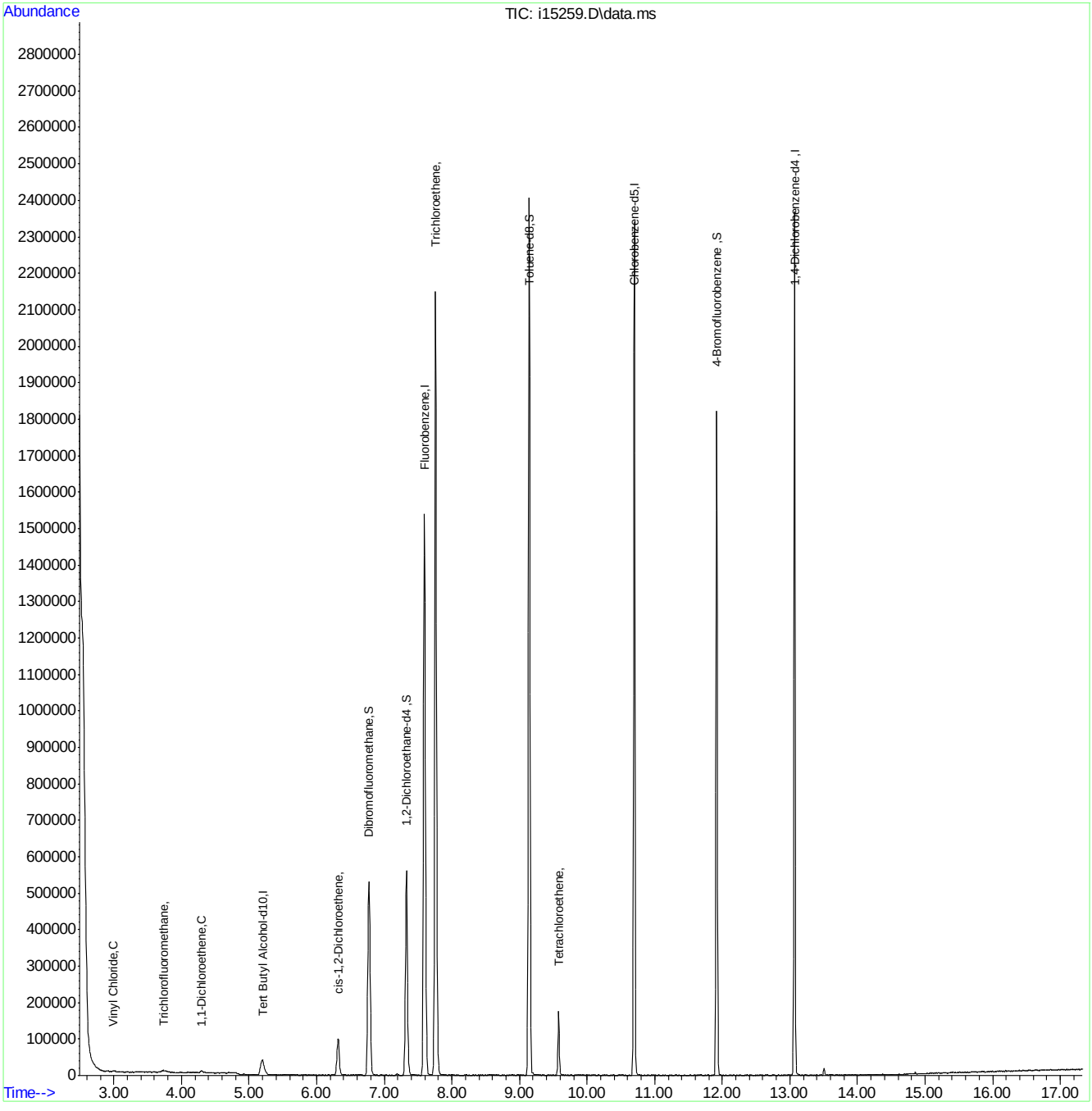
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.595	96	1356324	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.698	117	1006217	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	465853	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.200	65	85202	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.772	113	364913	47.46	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.92%			
44) 1,2-Dichloroethane-d4	7.327	65	427955	48.98	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.96%			
55) Toluene-d8	9.144	98	1356414	51.12	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.24%			
77) 4-Bromofluorobenzene	11.918	174	359509	49.54	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.08%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.993	62	2580	0.20	ug/L	68
7) Trichlorofluoromethane	3.730	101	12567	0.65	ug/L	89
10) 1,1-Dichloroethene	4.297	61	3606	0.26	ug/L	68
28) cis-1,2-Dichloroethene	6.315	96	53398	6.81	ug/L	78
46) Trichloroethene	7.760	95	701924	87.02	ug/L #	69
60) Tetrachloroethene	9.583	166	41615	4.93	ug/L	90

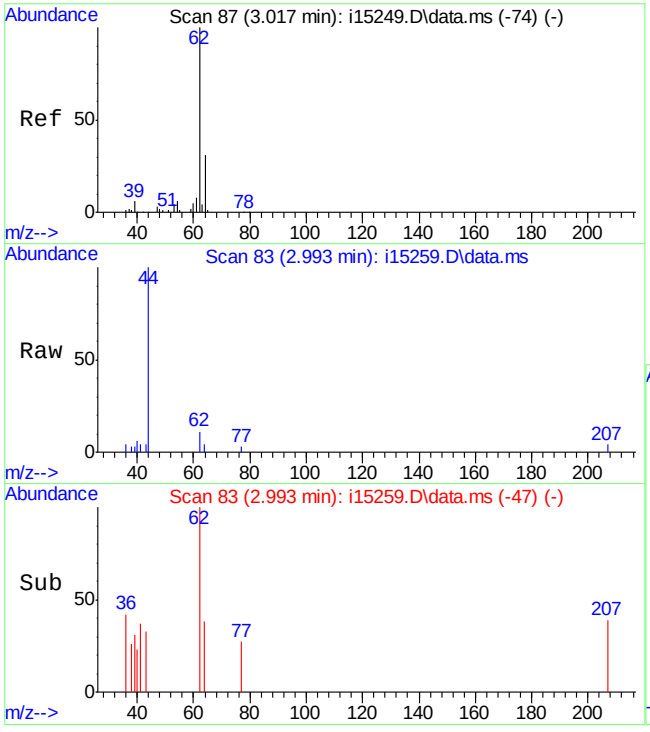
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15259.D
Acq On : 31 Oct 2013 2:22 pm
Operator : WILFREDO
Sample : FA9297-2
Misc : ms25560,vi196,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 01 09:38:12 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 11:13:36 2013
Response via : Initial Calibration

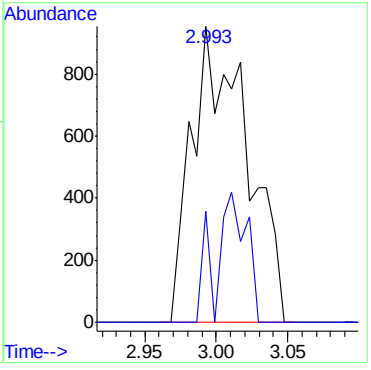


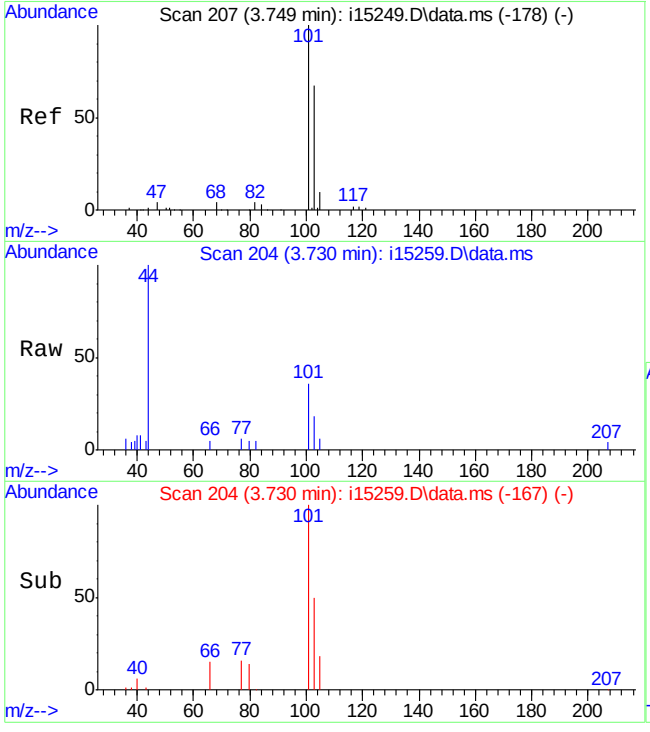


#4
Vinyl Chloride
Concen: 0.20 ug/L
RT: 2.993 min Scan# 83
Delta R.T. -0.030 min
Lab File: i15259.D
Acq: 31 Oct 2013 2:22 pm

Tgt Ion: 62 Resp: 2580

Ion	Ratio	Lower	Upper
62	100		
64	37.5	0.0	52.4

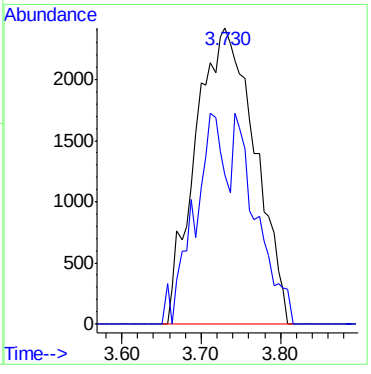


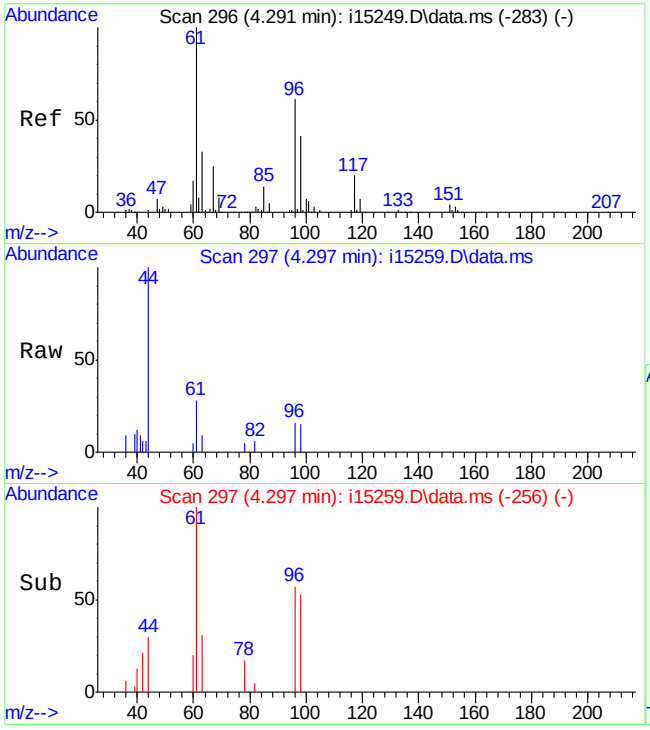


#7
Trichlorofluoromethane
Concen: 0.65 ug/L
RT: 3.730 min Scan# 204
Delta R.T. -0.025 min
Lab File: i15259.D
Acq: 31 Oct 2013 2:22 pm

Tgt Ion:101 Resp: 12567

Ion	Ratio	Lower	Upper
101	100		
103	50.2	13.3	73.3

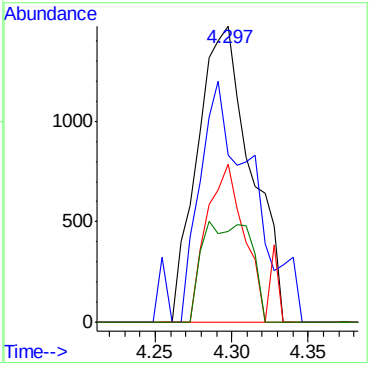


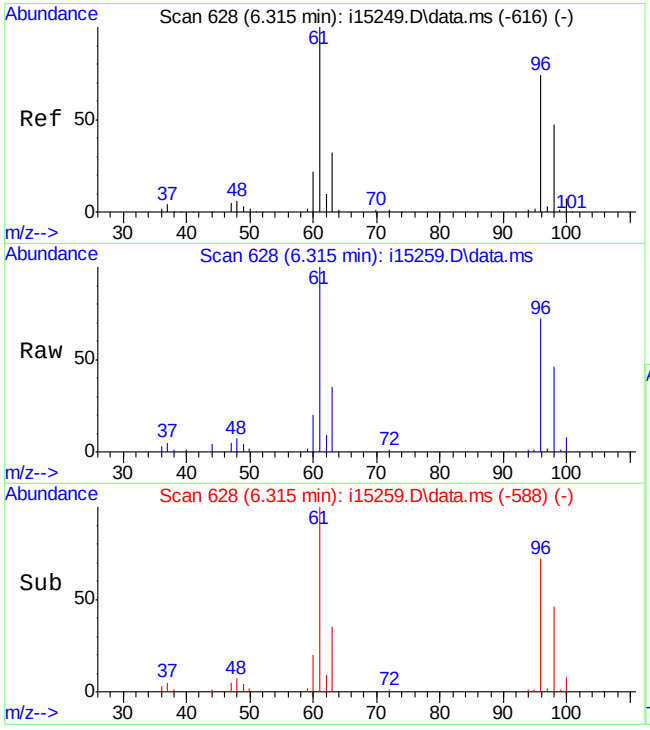


#10
1,1-Dichloroethene
Concen: 0.26 ug/L
RT: 4.297 min Scan# 297
Delta R.T. 0.000 min
Lab File: i15259.D
Acq: 31 Oct 2013 2:22 pm

Tgt Ion: 61 Resp: 3606

Ion	Ratio	Lower	Upper
61	100		
96	34.6	14.1	74.1
98	53.5	0.0	54.1
63	30.9	0.0	45.2

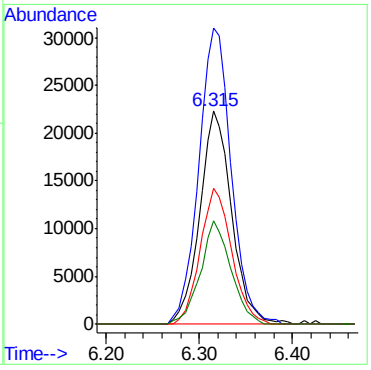


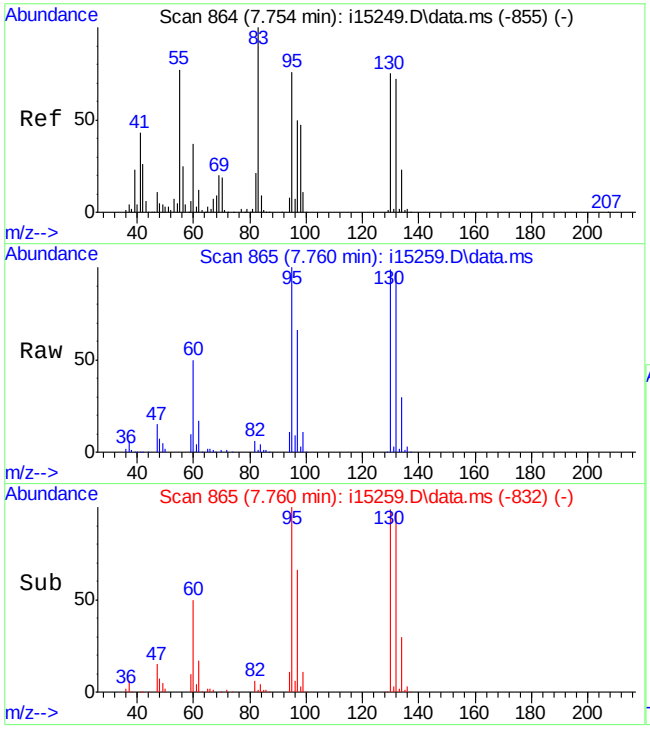


#28
cis-1,2-Dichloroethene
Concen: 6.81 ug/L
RT: 6.315 min Scan# 628
Delta R.T. -0.006 min
Lab File: i15259.D
Acq: 31 Oct 2013 2:22 pm

Tgt Ion: 96 Resp: 53398

Ion	Ratio	Lower	Upper
96	100		
61	139.0	86.5	146.5
98	63.6	17.7	77.7
63	48.5	4.7	64.7

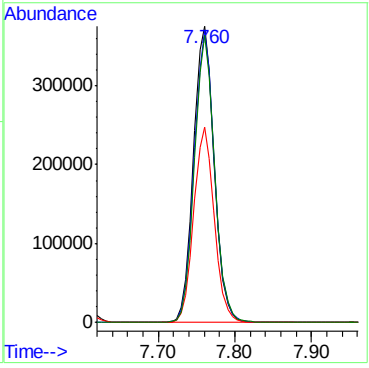


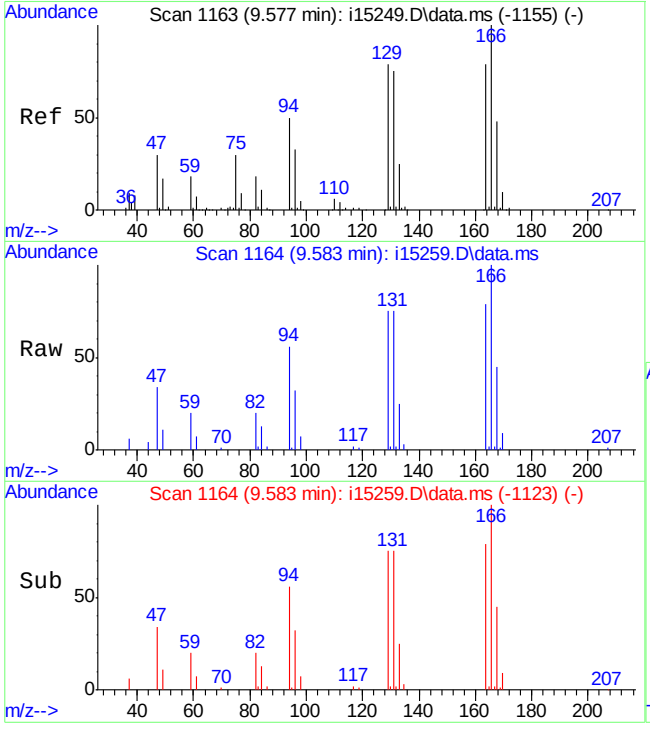


#46
Trichloroethene
Concen: 87.02 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15259.D
Acq: 31 Oct 2013 2:22 pm

Tgt Ion: 95 Resp: 701924

Ion	Ratio	Lower	Upper
95	100		
130	98.6	46.4	106.4
97	65.8	5.1	65.1#
132	97.0	44.1	104.1

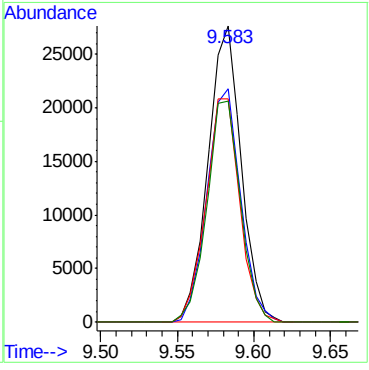




#60
Tetrachloroethene
Concen: 4.93 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. -0.000 min
Lab File: i15259.D
Acq: 31 Oct 2013 2:22 pm

Tgt Ion:166 Resp: 41615

Ion	Ratio	Lower	Upper
166	100		
164	78.8	29.5	89.5
129	75.3	43.7	103.7
131	74.6	39.3	99.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19872.D
Acq On : 31 Oct 2013 4:51 pm
Operator : melissam
Sample : FA9297-3
Misc : MS25564,VO791,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 01 11:06:13 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

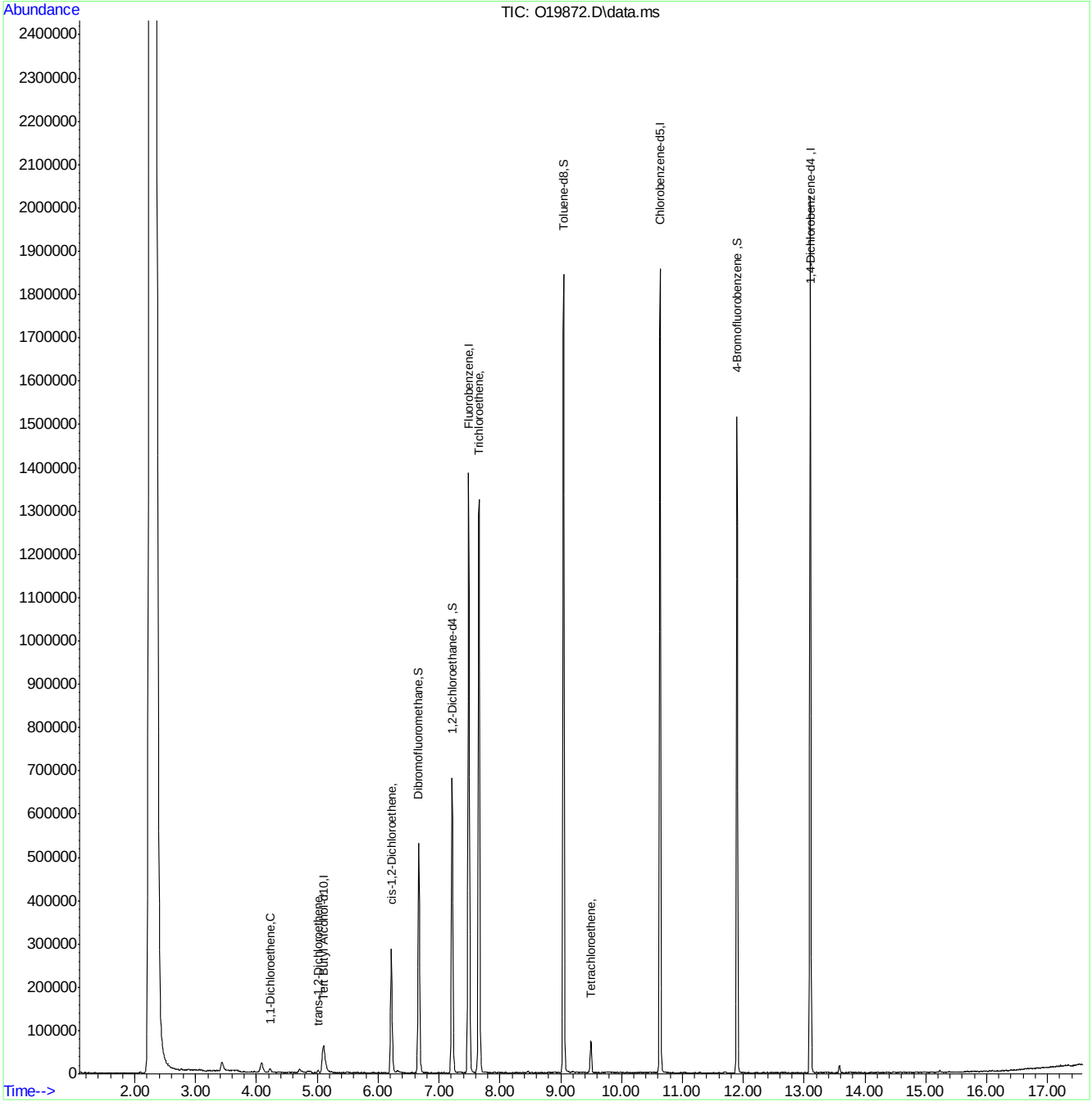
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	944017	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	727737	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	386417	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	93288	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	296509	49.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.16%			
46) 1,2-Dichloroethane-d4	7.214	65	467284	47.89	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.78%			
57) Toluene-d8	9.049	98	907227	49.29	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.58%			
79) 4-Bromofluorobenzene	11.896	95	399463	49.68	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.36%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.220	61	8819	0.56	ug/L	90
19) trans-1,2-Dichloroethene	5.013	61	3358	0.22	ug/L	79
29) cis-1,2-Dichloroethene	6.214	96	98101	12.65	ug/L	94
48) Trichloroethene	7.659	95	375050	48.56	ug/L	98
62) Tetrachloroethene	9.500	166	15619	1.99	ug/L	82

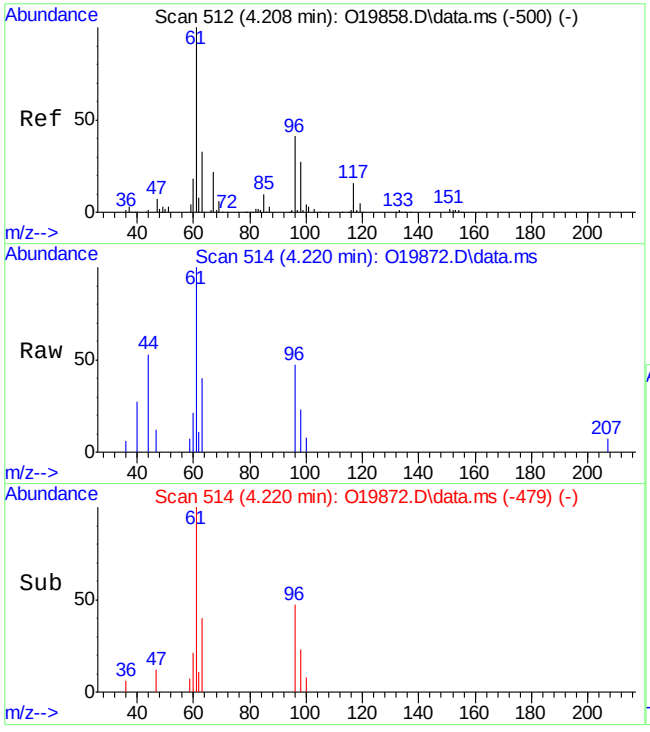
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19872.D
Acq On : 31 Oct 2013 4:51 pm
Operator : melissam
Sample : FA9297-3
Misc : MS25564,VO791,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 01 11:06:13 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

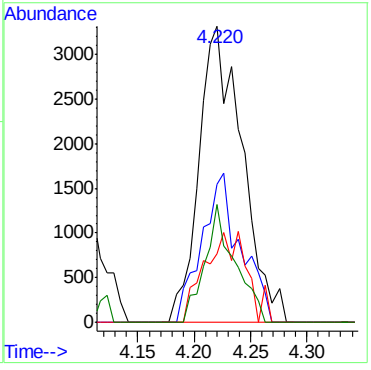


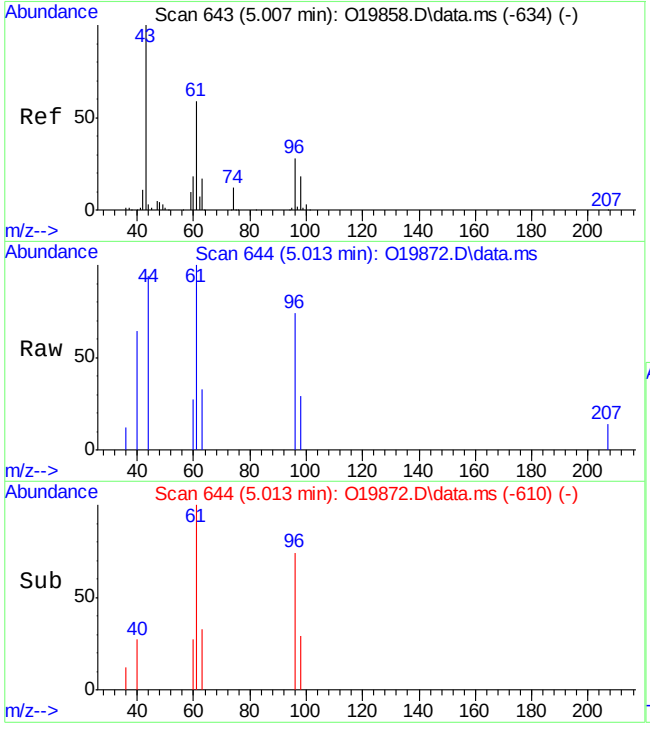


#11
1,1-Dichloroethene
Concen: 0.56 ug/L
RT: 4.220 min Scan# 514
Delta R.T. 0.012 min
Lab File: O19872.D
Acq: 31 Oct 2013 4:51 pm

Tgt Ion: 61 Resp: 8819

Ion	Ratio	Lower	Upper
61	100		
96	46.7	10.9	70.9
98	23.3	0.0	57.1
63	39.6	2.6	62.6

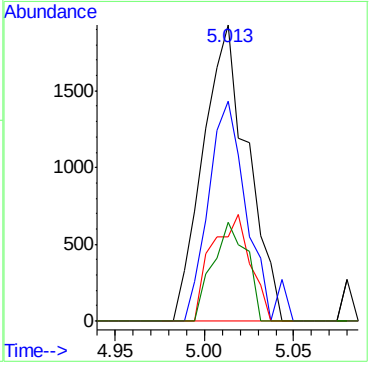


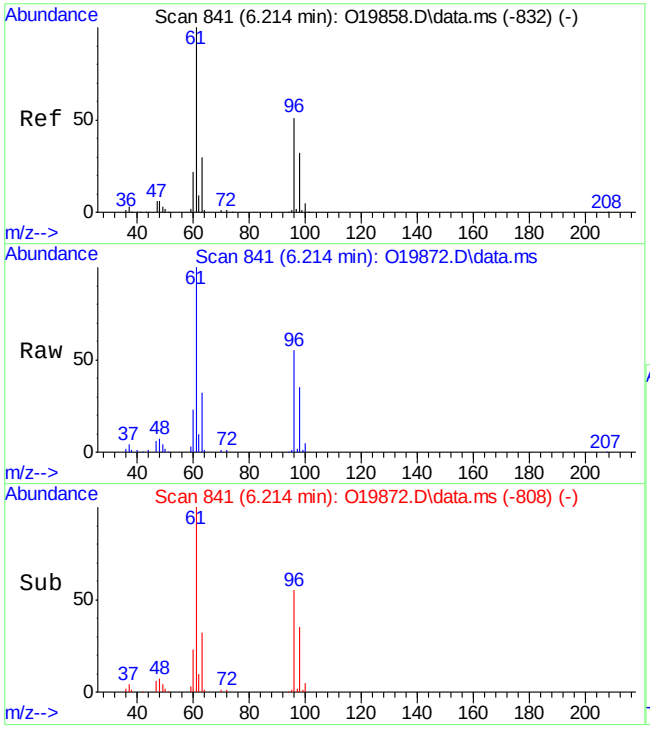


#19
trans-1,2-Dichloroethene
Concen: 0.22 ug/L
RT: 5.013 min Scan# 644
Delta R.T. 0.006 min
Lab File: O19872.D
Acq: 31 Oct 2013 4:51 pm

Tgt Ion: 61 Resp: 3358

Ion	Ratio	Lower	Upper
61	100		
96	74.2	16.6	76.6
98	28.6	0.0	59.8
63	33.4	0.0	59.1

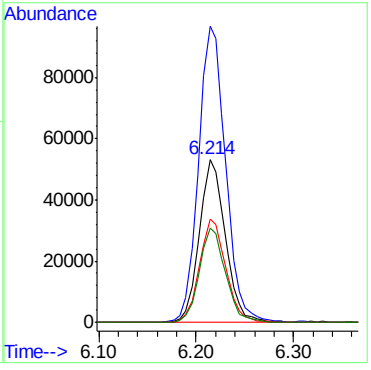


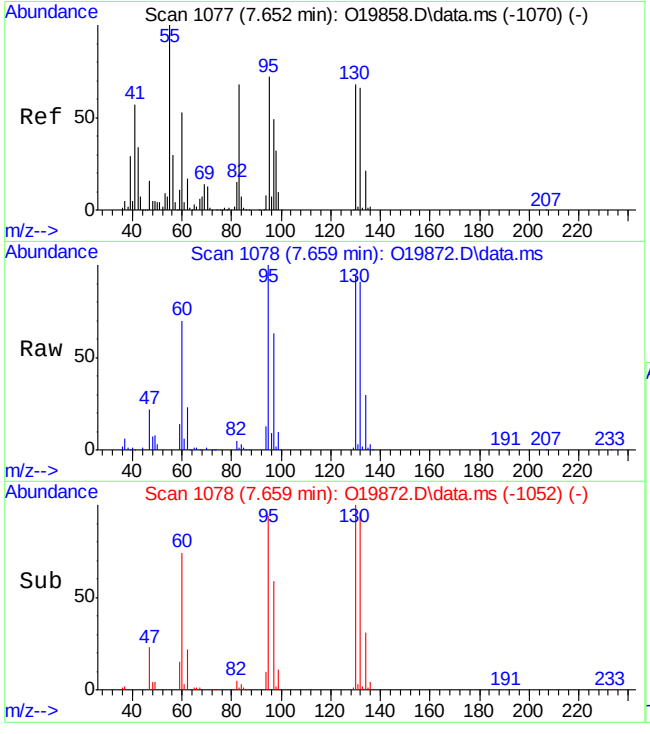


#29
cis-1,2-Dichloroethene
Concen: 12.65 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19872.D
Acq: 31 Oct 2013 4:51 pm

Tgt Ion: 96 Resp: 98101

Ion	Ratio	Lower	Upper
96	100		
61	181.7	166.6	226.6
98	63.3	33.5	93.5
63	58.0	28.5	88.5

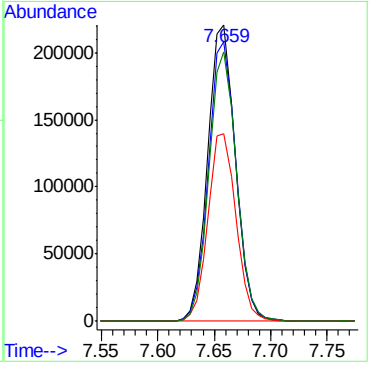


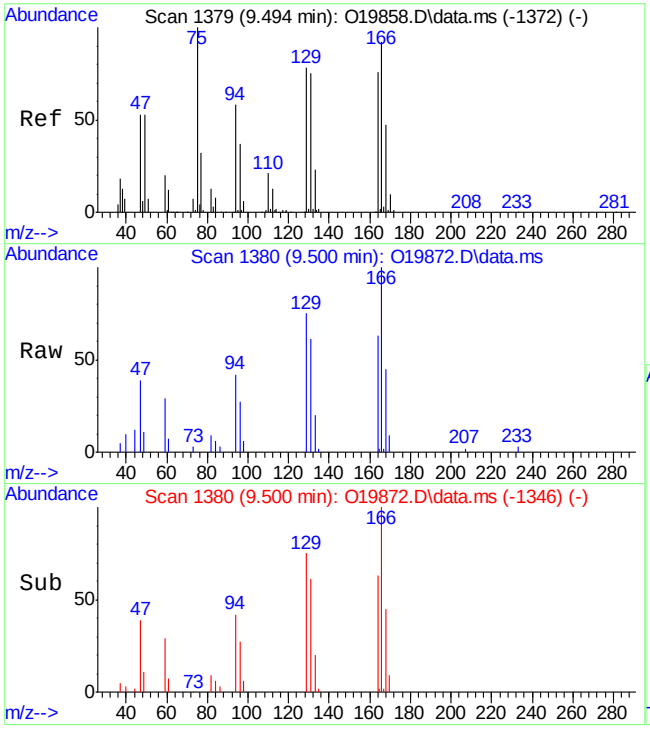


#48
Trichloroethene
Concen: 48.56 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19872.D
Acq: 31 Oct 2013 4:51 pm

Tgt Ion: 95 Resp: 375050

Ion	Ratio	Lower	Upper
95	100		
130	94.3	63.6	123.6
97	63.4	38.1	98.1
132	90.9	60.7	120.7

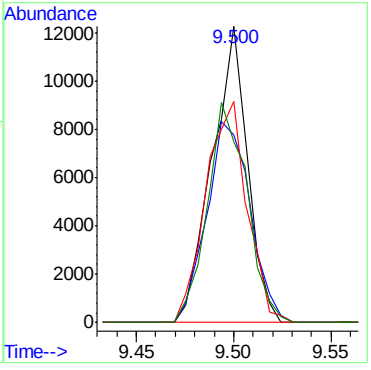




#62
Tetrachloroethene
Concen: 1.99 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19872.D
Acq: 31 Oct 2013 4:51 pm

Tgt Ion:166 Resp: 15619

Ion	Ratio	Lower	Upper
166	100		
164	63.1	52.5	112.5
129	74.7	54.4	114.4
131	61.0	51.5	111.5



7.1.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19873.D
Acq On : 31 Oct 2013 5:12 pm
Operator : melissam
Sample : FA9297-4,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 01 11:08:58 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

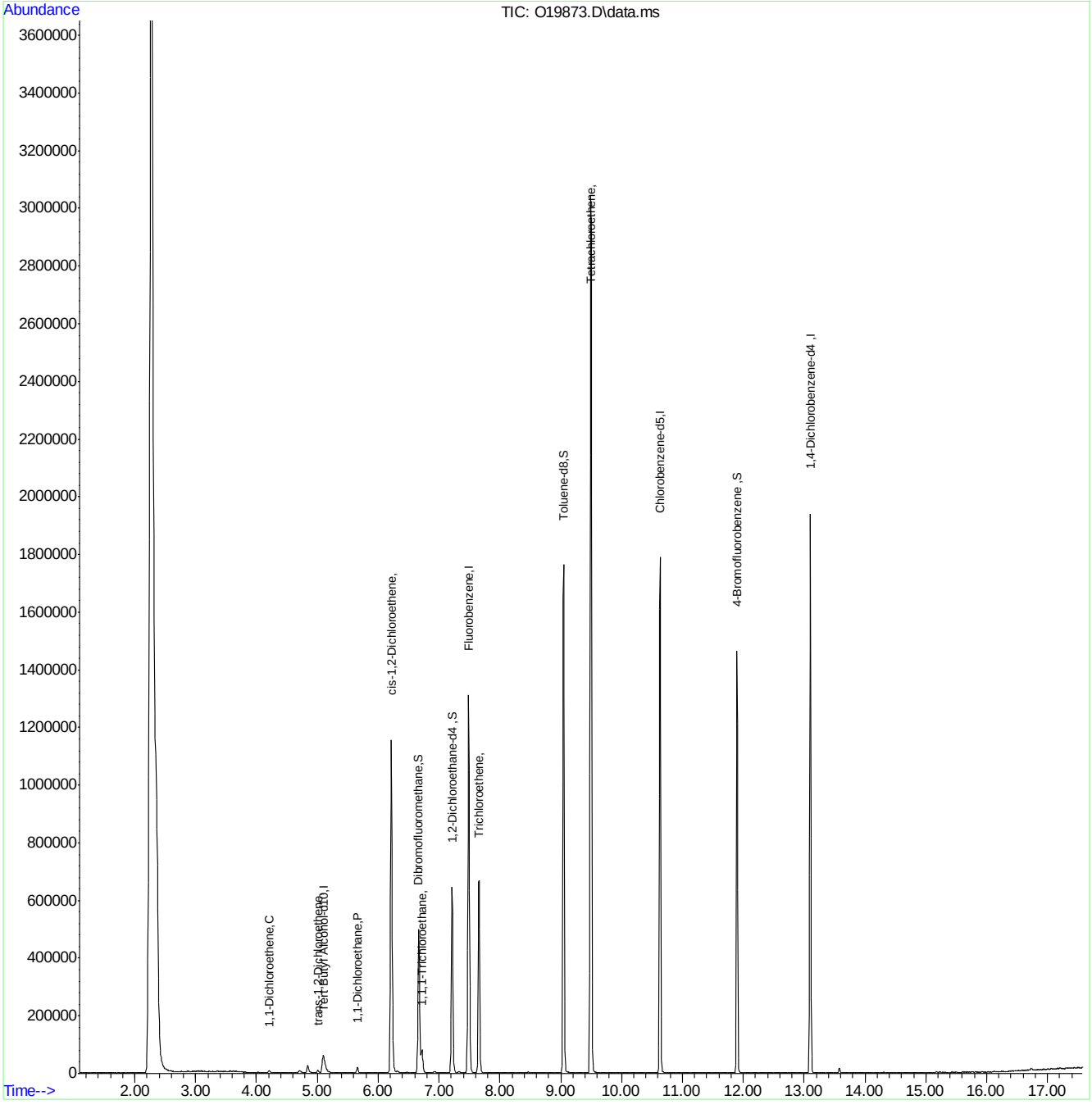
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	904411	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	683504	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	366743	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	87997	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	285146	49.74	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.48%			
46) 1,2-Dichloroethane-d4	7.214	65	448749	48.01	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.02%			
57) Toluene-d8	9.049	98	865965	49.89	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.78%			
79) 4-Bromofluorobenzene	11.896	95	383341	50.08	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.16%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.208	61	5984	0.40	ug/L	90
19) trans-1,2-Dichloroethene	5.007	61	5968	0.41	ug/L	83
25) 1,1-Dichloroethane	5.659	63	18363	1.08	ug/L	88
29) cis-1,2-Dichloroethene	6.214	96	393257	52.91	ug/L	98
38) 1,1,1-Trichloroethane	6.720	97	52891	3.88	ug/L	94
48) Trichloroethene	7.653	95	190386	25.73	ug/L	94
62) Tetrachloroethene	9.500	166	662277	89.66	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

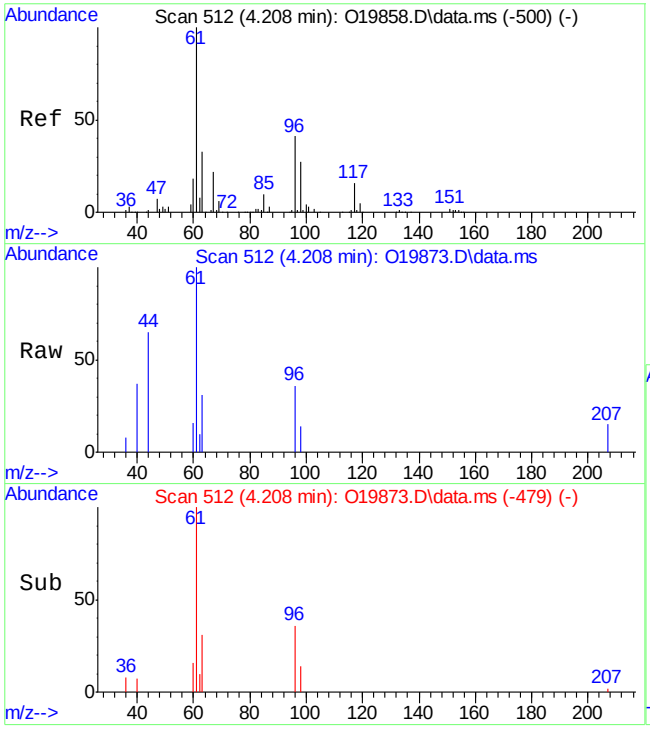
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19873.D
Acq On : 31 Oct 2013 5:12 pm
Operator : melissam
Sample : FA9297-4,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 01 11:08:58 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



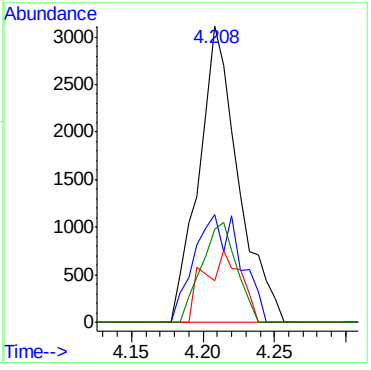
msoNCOXY103113.m Fri Nov 01 11:37:58 2013 Page: 2

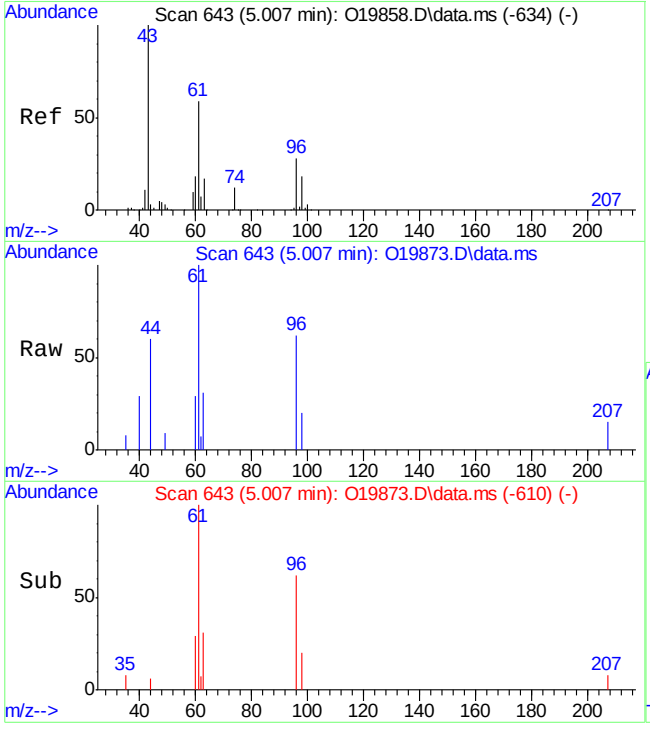


#11
1,1-Dichloroethene
Concen: 0.40 ug/L
RT: 4.208 min Scan# 512
Delta R.T. 0.000 min
Lab File: O19873.D
Acq: 31 Oct 2013 5:12 pm

Tgt Ion: 61 Resp: 5984

Ion	Ratio	Lower	Upper
61	100		
96	36.5	10.9	70.9
98	14.1	0.0	57.1
63	31.3	2.6	62.6

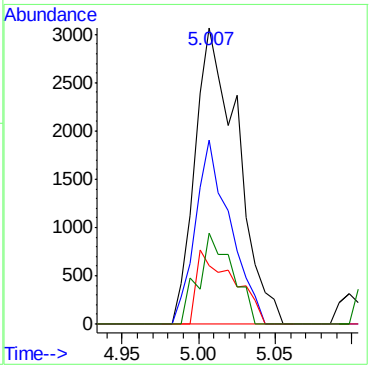


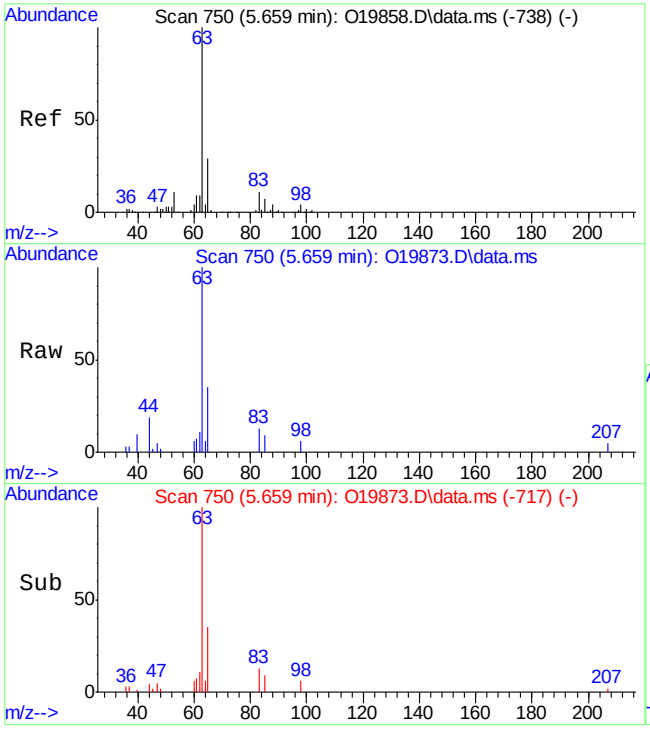


#19
trans-1,2-Dichloroethene
Concen: 0.41 ug/L
RT: 5.007 min Scan# 643
Delta R.T. 0.000 min
Lab File: O19873.D
Acq: 31 Oct 2013 5:12 pm

Tgt Ion: 61 Resp: 5968

Ion	Ratio	Lower	Upper
61	100		
96	62.0	16.6	76.6
98	19.6	0.0	59.8
63	30.9	0.0	59.1

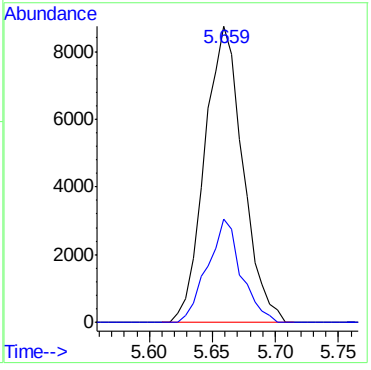


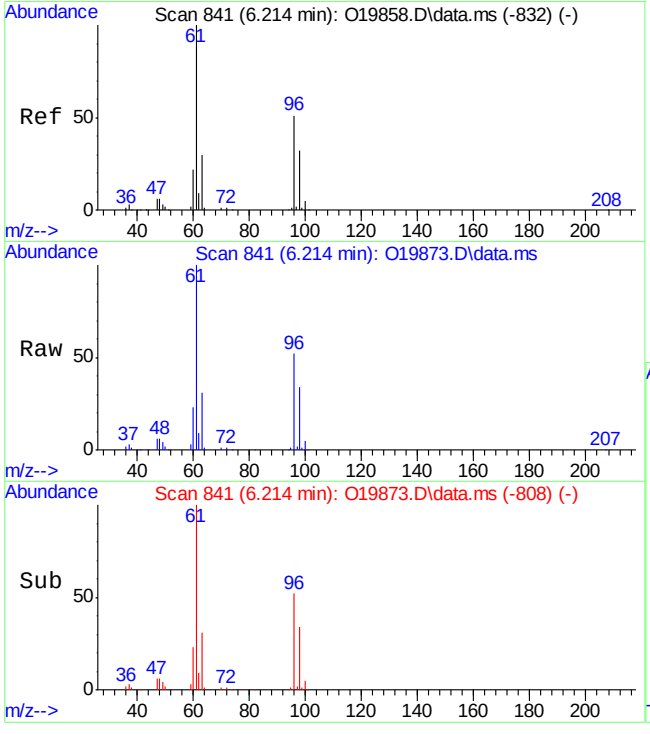


#25
1,1-Dichloroethane
Concen: 1.08 ug/L
RT: 5.659 min Scan# 750
Delta R.T. 0.000 min
Lab File: O19873.D
Acq: 31 Oct 2013 5:12 pm

Tgt Ion: 63 Resp: 18363

Ion	Ratio	Lower	Upper
63	100		
65	35.0	0.0	58.8

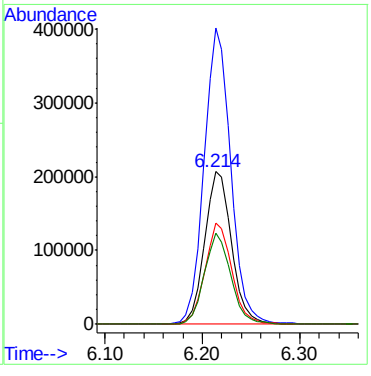


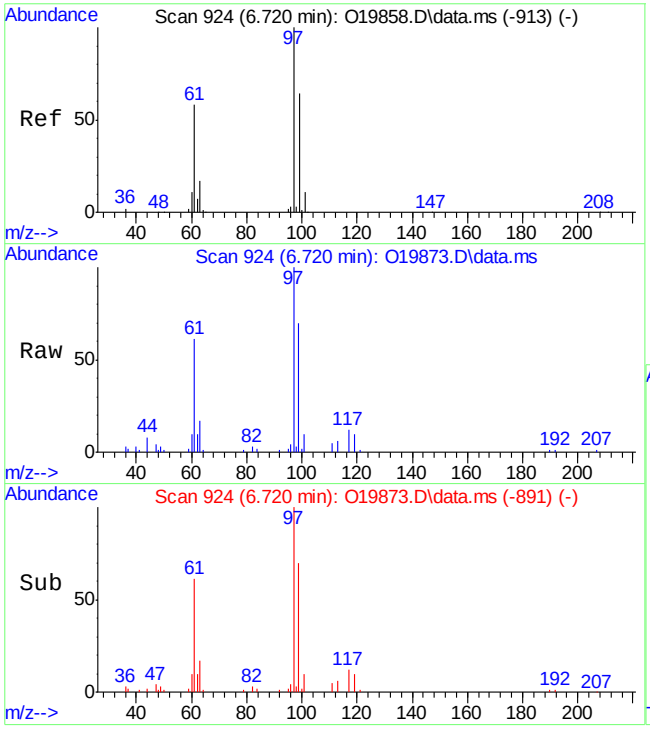


#29
cis-1,2-Dichloroethene
Concen: 52.91 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19873.D
Acq: 31 Oct 2013 5:12 pm

Tgt Ion: 96 Resp: 393257

Ion	Ratio	Lower	Upper
96	100		
61	194.1	166.6	226.6
98	66.5	33.5	93.5
63	59.3	28.5	88.5

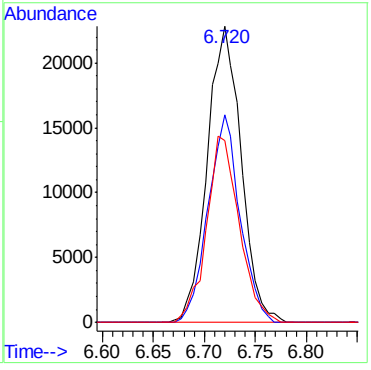


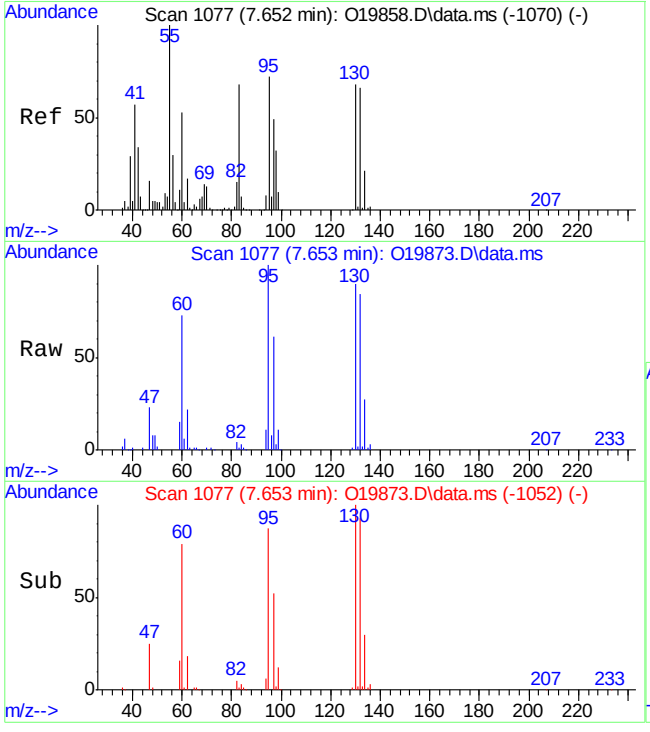


#38
1,1,1-Trichloroethane
Concen: 3.88 ug/L
RT: 6.720 min Scan# 924
Delta R.T. 0.000 min
Lab File: O19873.D
Acq: 31 Oct 2013 5:12 pm

Tgt Ion: 97 Resp: 52891

Ion	Ratio	Lower	Upper
97	100		
99	70.1	34.3	94.3
61	61.3	28.2	88.2

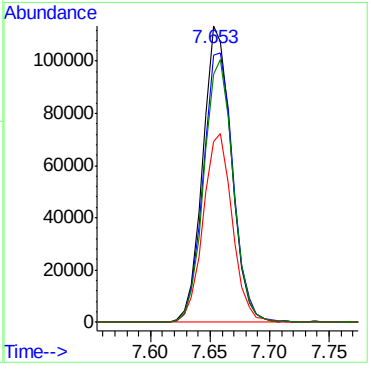


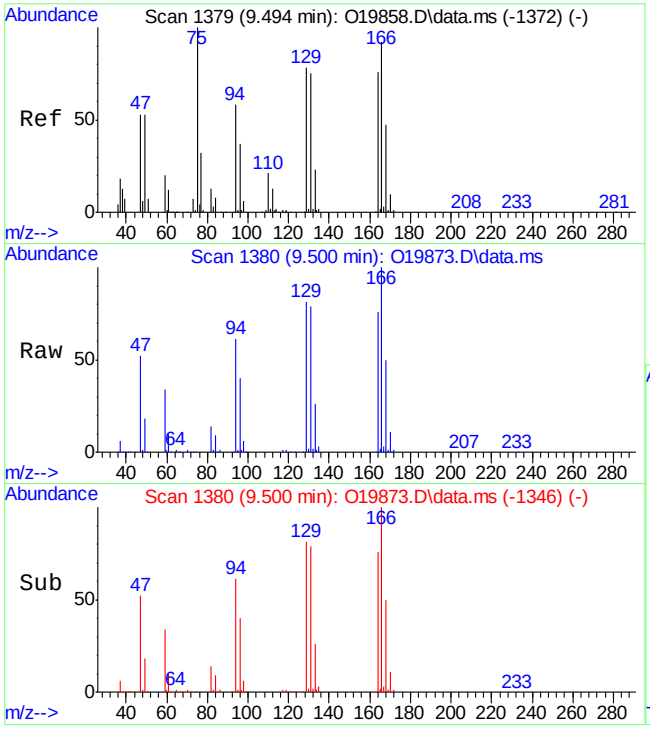


#48
Trichloroethene
Concen: 25.73 ug/L
RT: 7.653 min Scan# 1077
Delta R.T. 0.000 min
Lab File: O19873.D
Acq: 31 Oct 2013 5:12 pm

Tgt Ion: 95 Resp: 190386

Ion	Ratio	Lower	Upper
95	100		
130	90.3	63.6	123.6
97	60.9	38.1	98.1
132	83.7	60.7	120.7

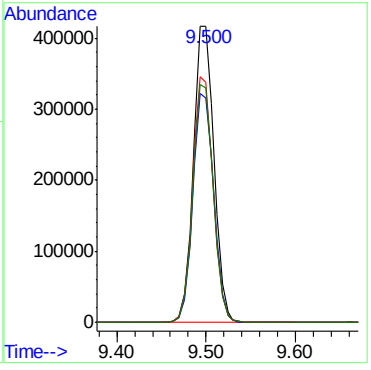




#62
Tetrachloroethene
Concen: 89.66 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19873.D
Acq: 31 Oct 2013 5:12 pm

Tgt Ion:166 Resp: 662277

Ion	Ratio	Lower	Upper
166	100		
164	75.6	52.5	112.5
129	80.9	54.4	114.4
131	79.1	51.5	111.5



7.1.5

7

Manual Integrations
APPROVED
(compounds with "m" flag)
Juan Garcia
11/04/13 11:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19908.D
Acq On : 1 Nov 2013 4:11 pm
Operator : melissam
Sample : FA9297-5
Misc : MS25570,VO792,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 04 08:04:46 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

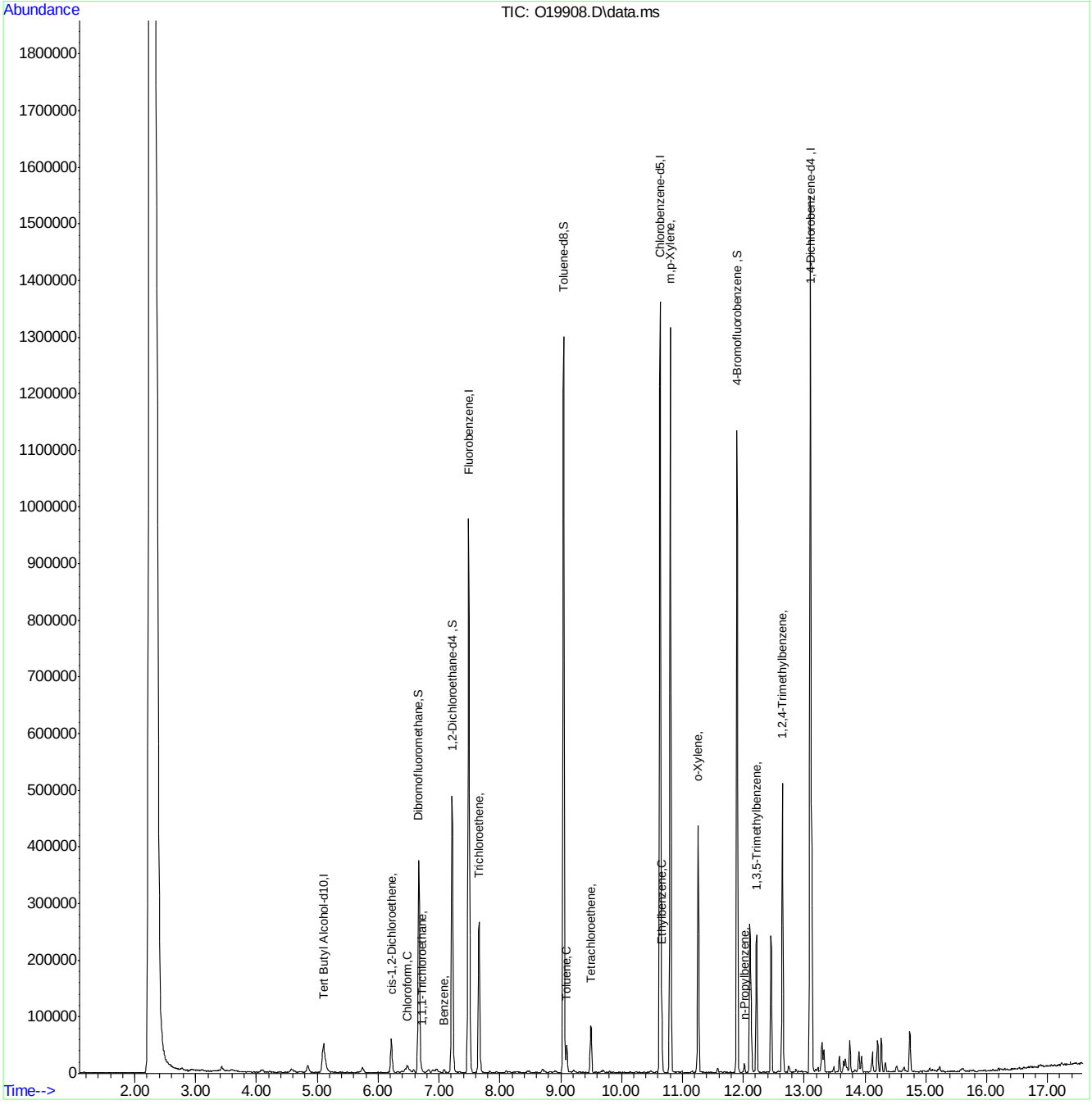
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	625233	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	482201	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	279738	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	65375	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	210898	52.53	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 105.06%			
46) 1,2-Dichloroethane-d4	7.214	65	352075	54.48	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 108.96%			
57) Toluene-d8	9.049	98	611588	49.94	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.88%			
79) 4-Bromofluorobenzene	11.896	95	290845	49.89	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.78%			
Target Compounds						Qvalue
29) cis-1,2-Dichloroethene	6.214	96	19982	3.89	ug/L	92
33) Chloroform	6.482	83	6950	0.69	ug/L	92
38) 1,1,1-Trichloroethane	6.720	97	2850	0.30	ug/L	91
44) Benzene	7.086	78	3826	0.23	ug/L	87
48) Trichloroethene	7.659	95	68383	13.37	ug/L	96
58) Toluene	9.097	91	20160	1.02	ug/L	90
62) Tetrachloroethene	9.500	166	17215	3.30	ug/L	86
70) Ethylbenzene	10.658	91	57784	2.42	ug/L	98
73) m,p-Xylene	10.804	91	561479	31.33	ug/L	99
74) o-Xylene	11.256	91	193172	10.60	ug/L	98
81) n-Propylbenzene	12.018	91	8494m	0.31	ug/L	
84) 1,3,5-Trimethylbenzene	12.219	105	102621	4.77	ug/L	98
92) 1,2,4-Trimethylbenzene	12.646	105	216770	9.63	ug/L	99

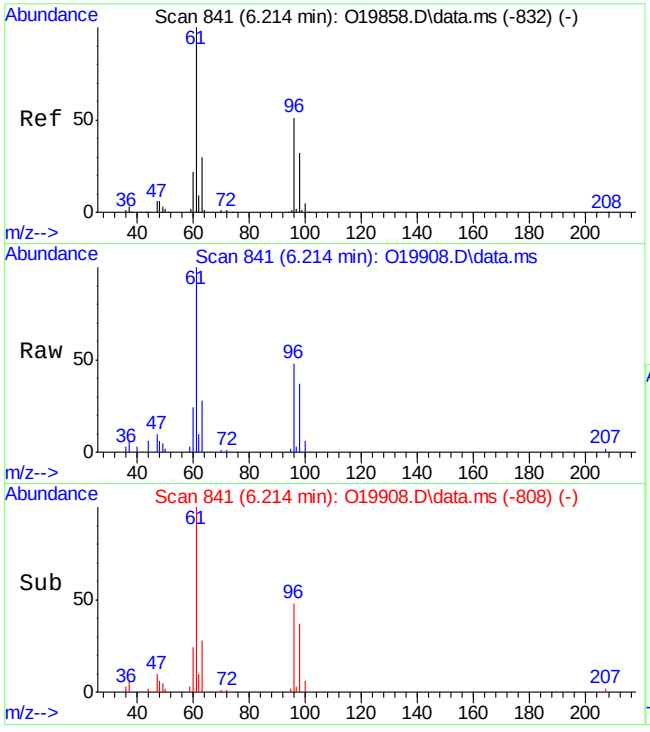
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19908.D
Acq On : 1 Nov 2013 4:11 pm
Operator : melissam
Sample : FA9297-5
Misc : MS25570,VO792,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 04 08:04:46 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

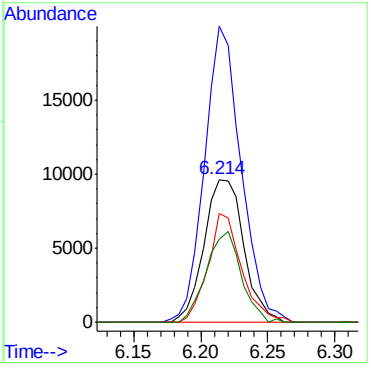


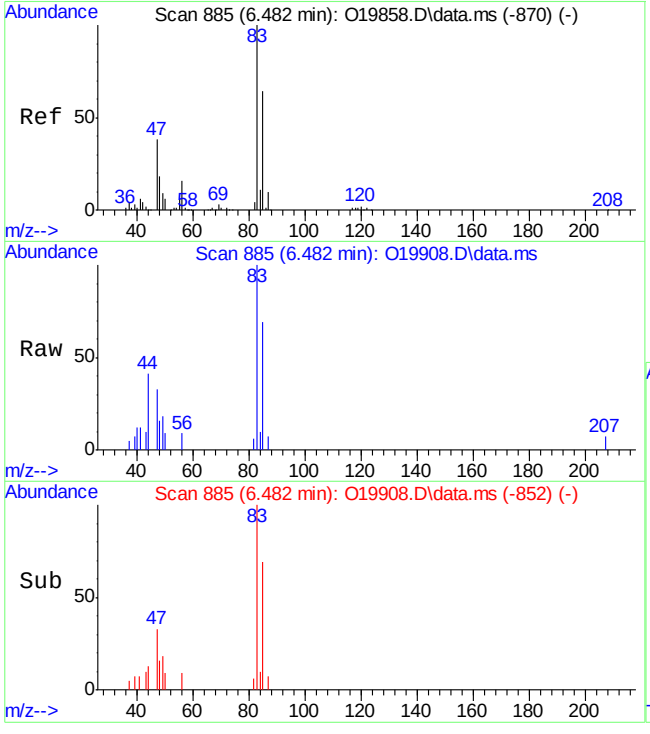


#29
cis-1,2-Dichloroethene
Concen: 3.89 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion: 96 Resp: 19982

Ion	Ratio	Lower	Upper
96	100		
61	207.0	166.6	226.6
98	75.9	33.5	93.5
63	57.8	28.5	88.5

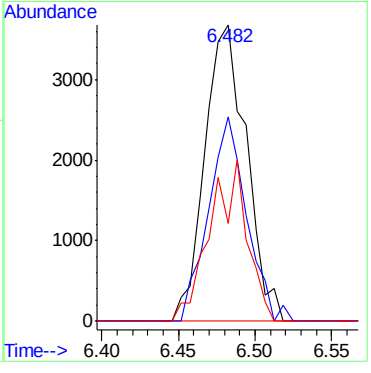


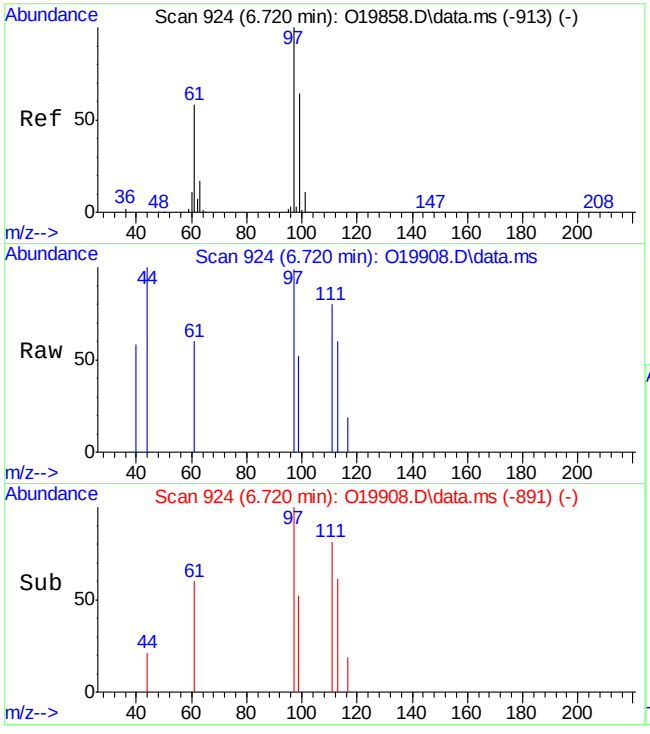


#33
Chloroform
Concen: 0.69 ug/L
RT: 6.482 min Scan# 885
Delta R.T. 0.000 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion: 83 Resp: 6950

Ion	Ratio	Lower	Upper
83	100		
85	69.0	33.6	93.6
47	32.9	8.1	68.1

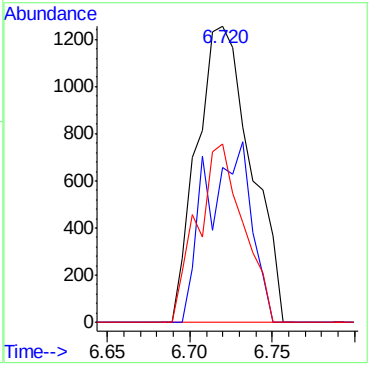


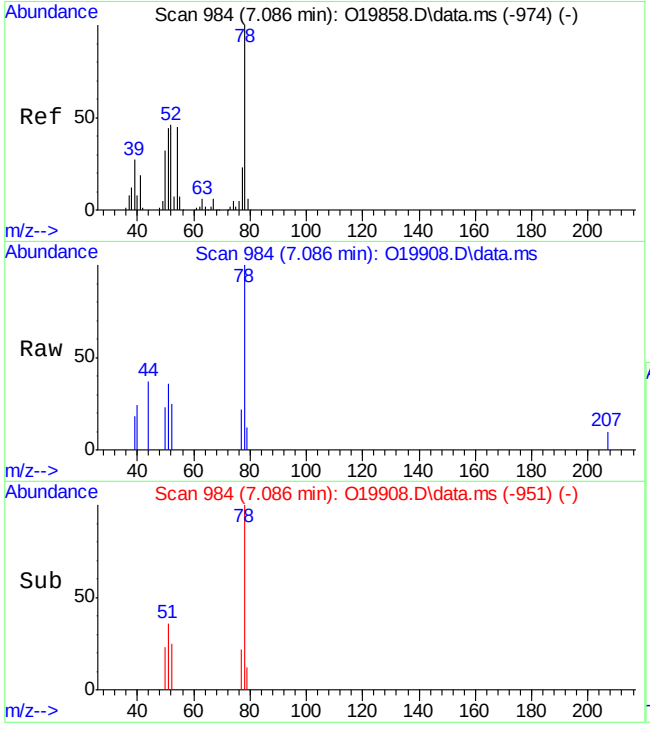


#38
1,1,1-Trichloroethane
Concen: 0.30 ug/L
RT: 6.720 min Scan# 924
Delta R.T. 0.000 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion: 97 Resp: 2850

Ion	Ratio	Lower	Upper
97	100		
99	52.2	34.3	94.3
61	60.4	28.2	88.2

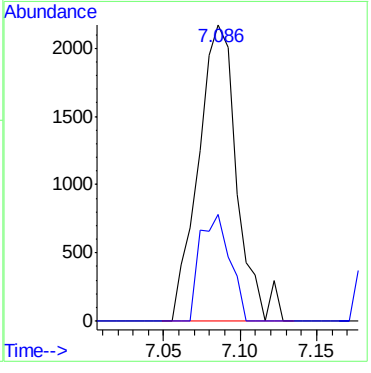


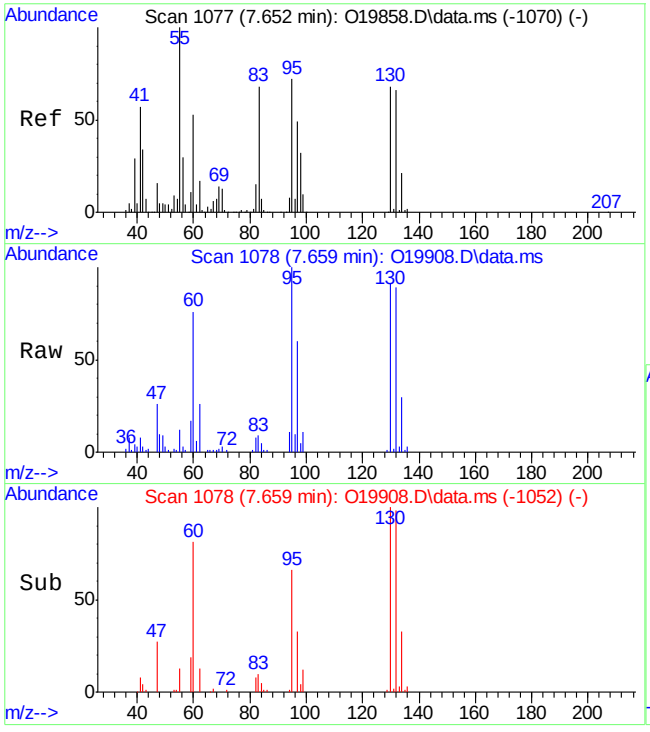


#44
Benzene
Concen: 0.23 ug/L
RT: 7.086 min Scan# 984
Delta R.T. 0.000 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion: 78 Resp: 3826

Ion	Ratio	Lower	Upper
78	100		
51	35.8	14.3	74.3

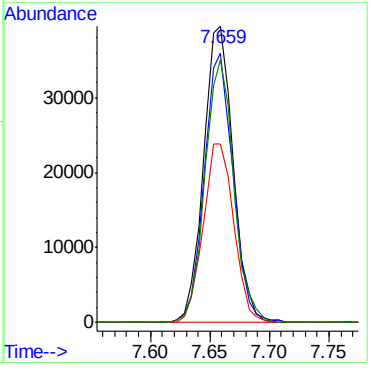


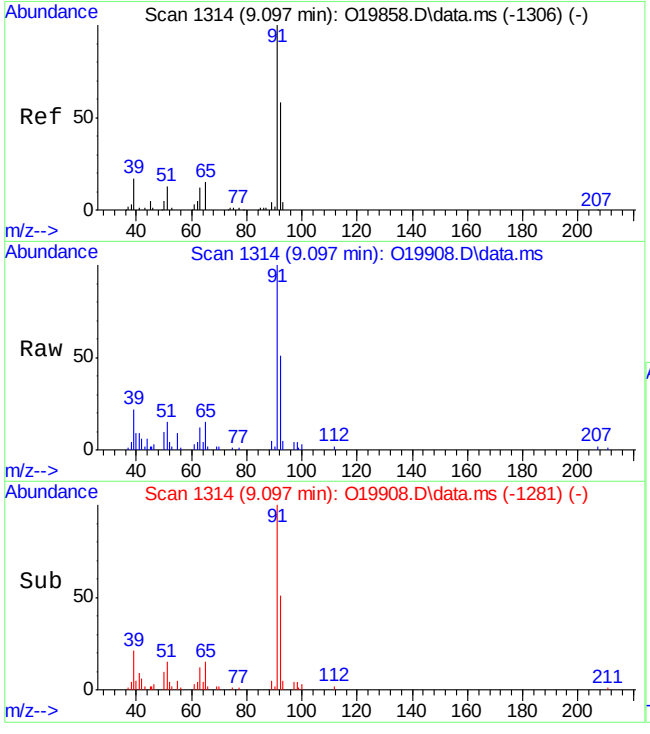


#48
Trichloroethene
Concen: 13.37 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion: 95 Resp: 68383

Ion	Ratio	Lower	Upper
95	100		
130	90.9	63.6	123.6
97	60.2	38.1	98.1
132	88.8	60.7	120.7

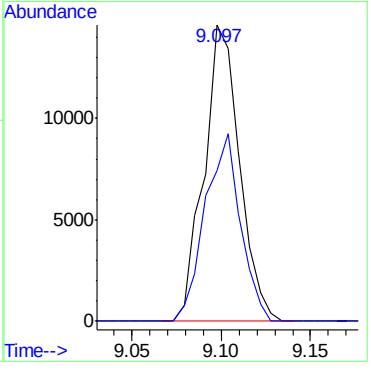


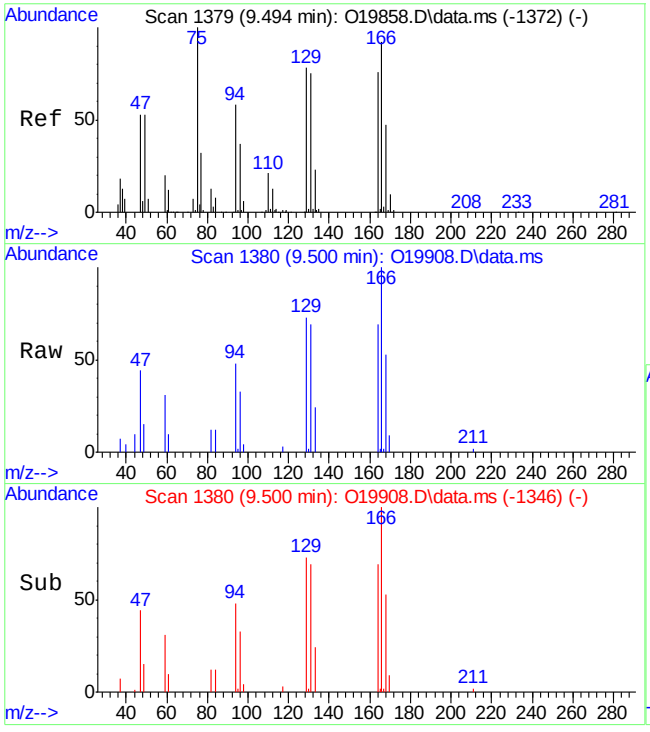


#58
Toluene
Concen: 1.02 ug/L
RT: 9.097 min Scan# 1314
Delta R.T. 0.000 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion: 91 Resp: 20160

Ion	Ratio	Lower	Upper
91	100		
92	50.7	28.1	88.1

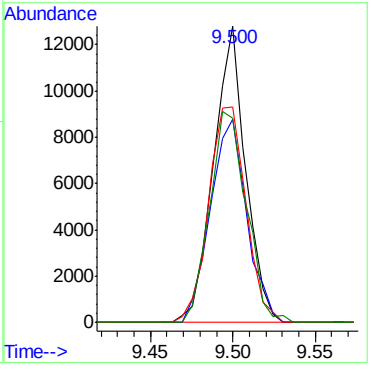


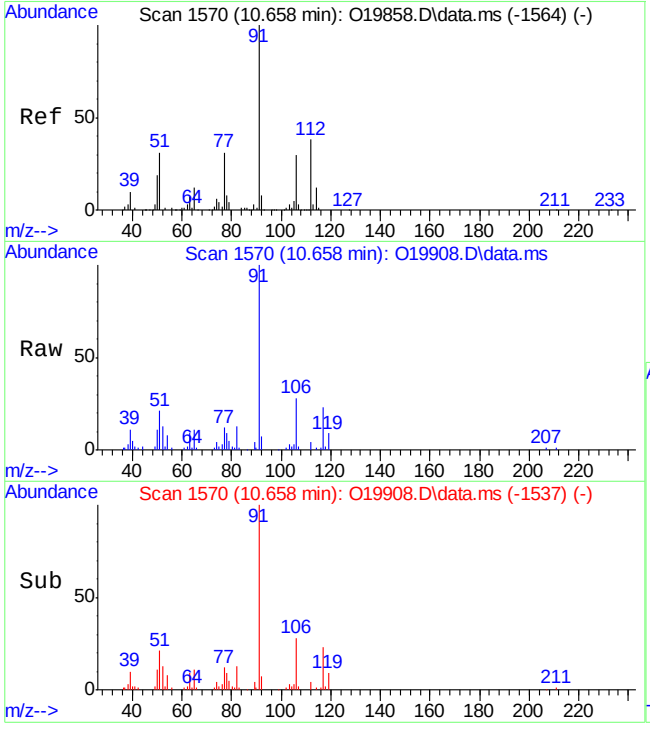


#62
Tetrachloroethene
Concen: 3.30 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion:166 Resp: 17215

Ion	Ratio	Lower	Upper
166	100		
164	68.7	52.5	112.5
129	72.6	54.4	114.4
131	69.0	51.5	111.5

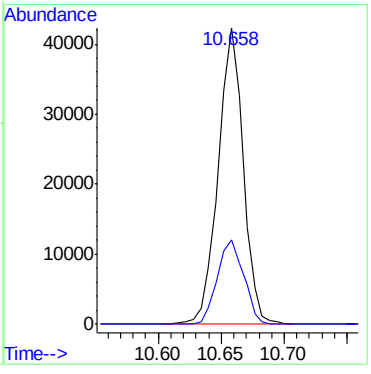


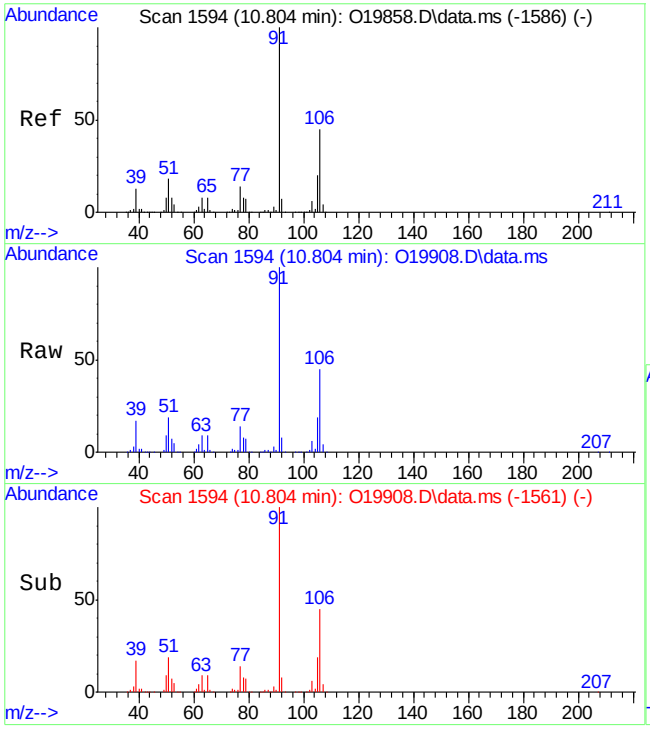


#70
Ethylbenzene
Concen: 2.42 ug/L
RT: 10.658 min Scan# 1570
Delta R.T. 0.000 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion: 91 Resp: 57784

Ion	Ratio	Lower	Upper
91	100		
106	28.5	0.0	59.6

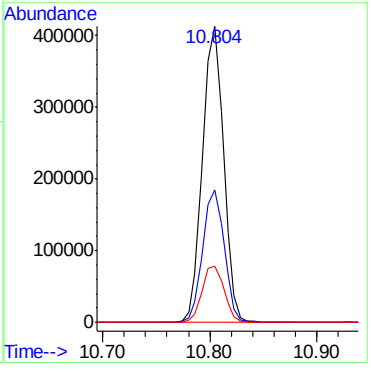


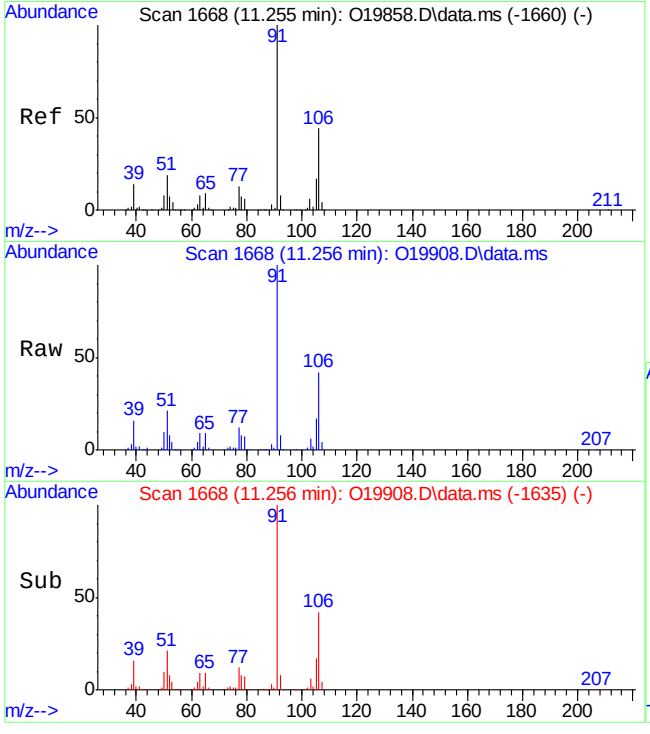


#73
m,p-Xylene
Concen: 31.33 ug/L
RT: 10.804 min Scan# 1594
Delta R.T. 0.000 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion: 91 Resp: 561479

Ion	Ratio	Lower	Upper
91	100		
106	44.9	14.9	74.9
105	18.9	0.0	49.7

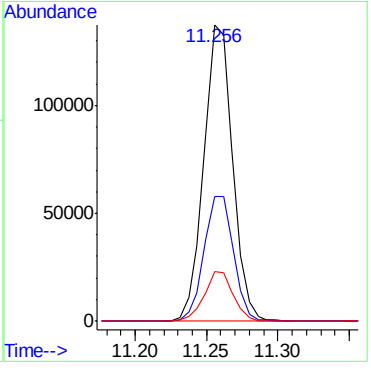


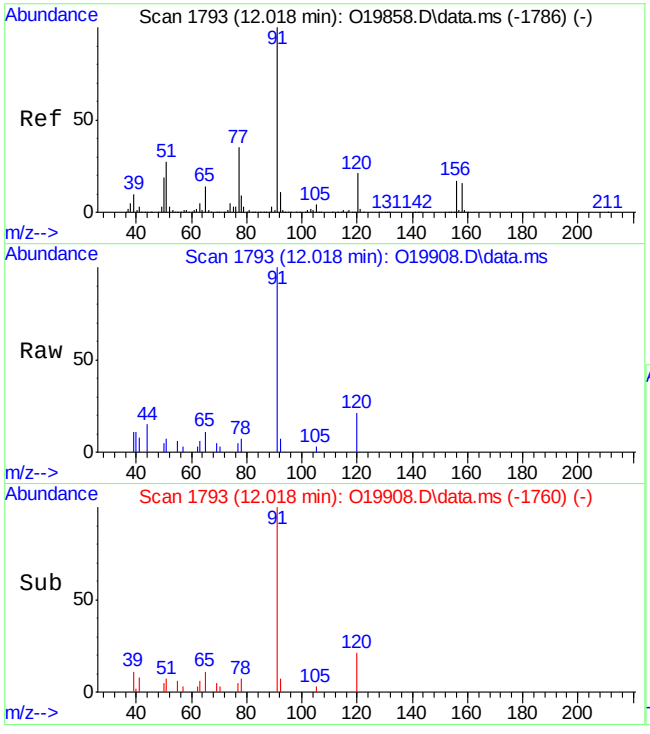


#74
o-Xylene
Concen: 10.60 ug/L
RT: 11.256 min Scan# 1668
Delta R.T. 0.000 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion: 91 Resp: 193172

Ion	Ratio	Lower	Upper
91	100		
106	42.1	14.0	74.0
105	16.8	0.0	46.7

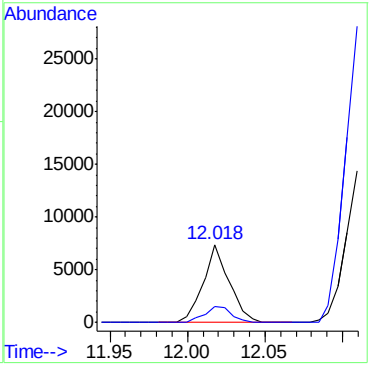


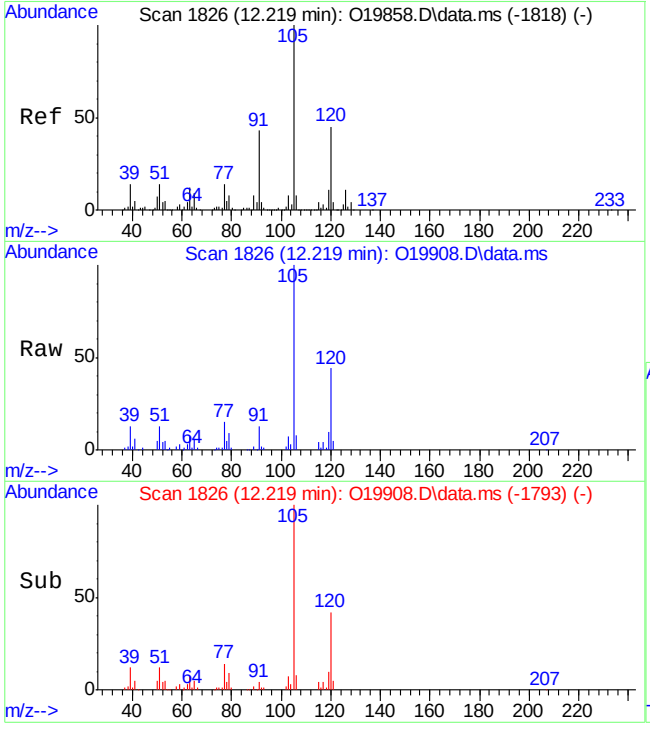


#81
n-Propylbenzene
Concen: 0.31 ug/L m
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion: 91 Resp: 8494

Ion	Ratio	Lower	Upper
91	100		
120	20.7	0.0	51.3

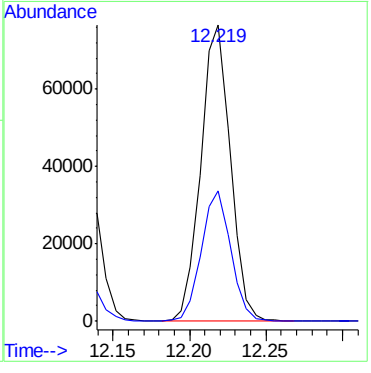


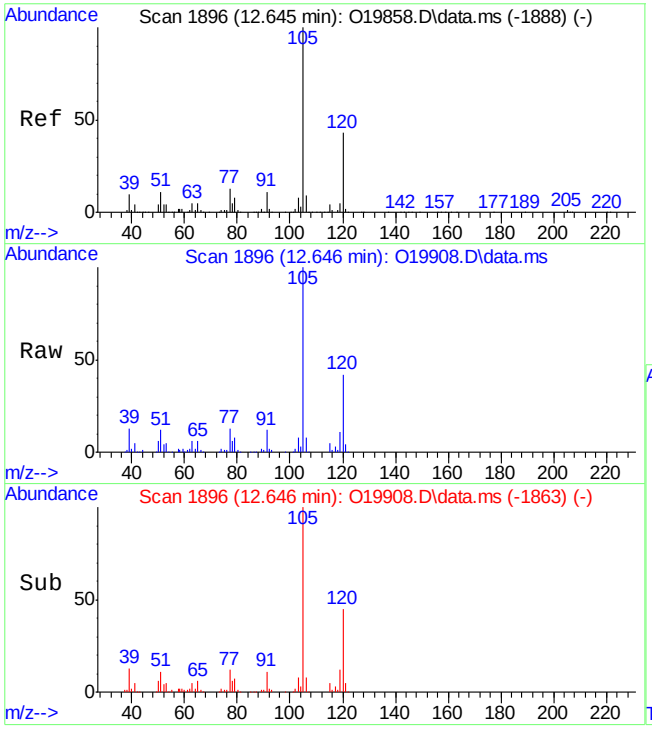


#84
1,3,5-Trimethylbenzene
Concen: 4.77 ug/L
RT: 12.219 min Scan# 1826
Delta R.T. 0.000 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion:105 Resp: 102621

Ion	Ratio	Lower	Upper
105	100		
120	43.8	14.9	74.9

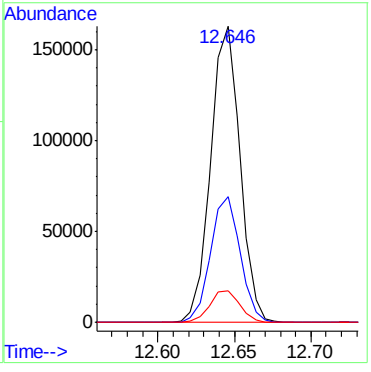




#92
1,2,4-Trimethylbenzene
Concen: 9.63 ug/L
RT: 12.646 min Scan# 1896
Delta R.T. 0.000 min
Lab File: O19908.D
Acq: 1 Nov 2013 4:11 pm

Tgt Ion:105 Resp: 216770

Ion	Ratio	Lower	Upper
105	100		
120	42.5	13.5	73.5
119	10.8	0.0	40.7



7.1.6

7

Manual Integration Approval Summary

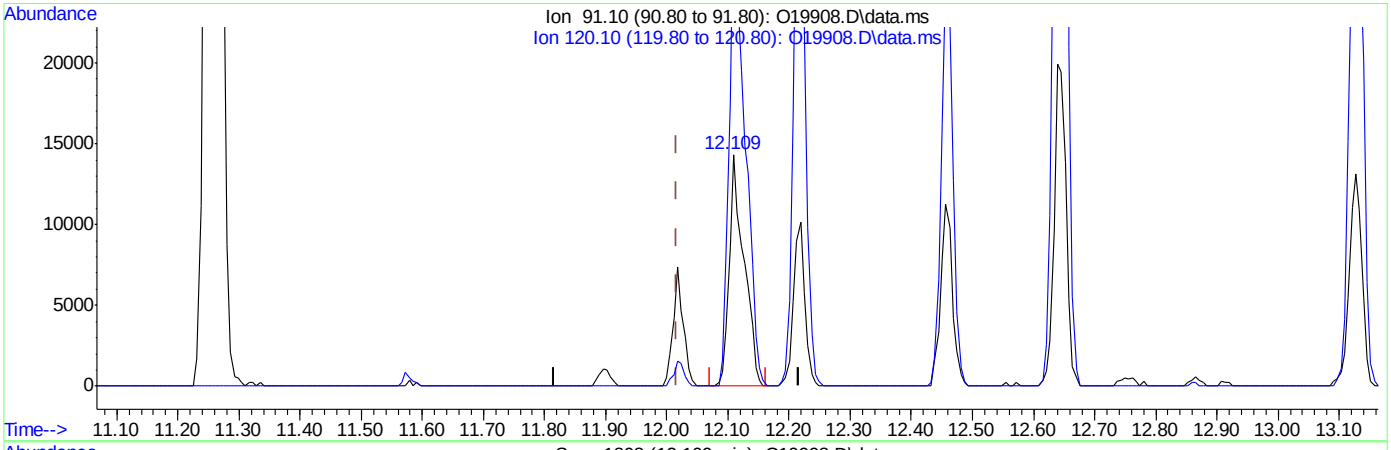
Sample Number:	FA9297-5	**Method:**	SW846 8260B
Lab FileID:	O19908.D	**Analyst approved:**	11/04/13 09:56 Melissa Mangual
Injection Time:	11/01/13 16:11	**Supervisor approved:**	11/04/13 11:17 Juan Garcia

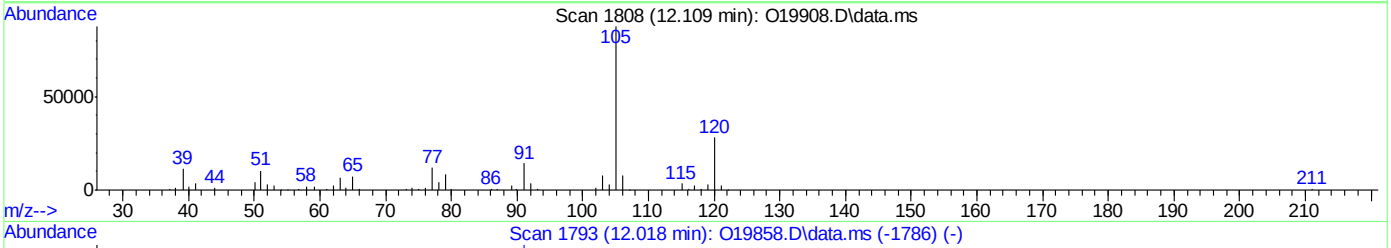
Parameter	CAS	Sig#	R.T. (min.)	Reason
n-Propylbenzene	103-65-1		12.02	Missed peak

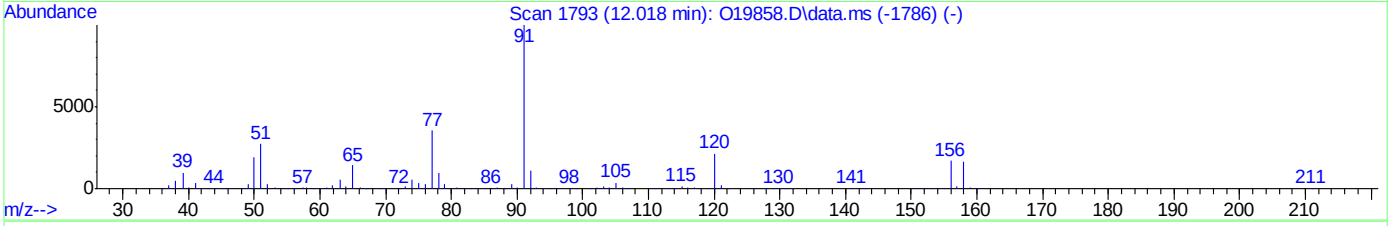
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\110113\
Data File : O19908.D
Acq On : 1 Nov 2013 4:11 pm
Operator : melissam
Sample : FA9297-5
Misc : MS25570,VO792,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 02 09:25:03 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration







TIC: O19908.D\data.ms

(81) n-Propylbenzene ( )

12.109min (+0.092) 0.89ug/L

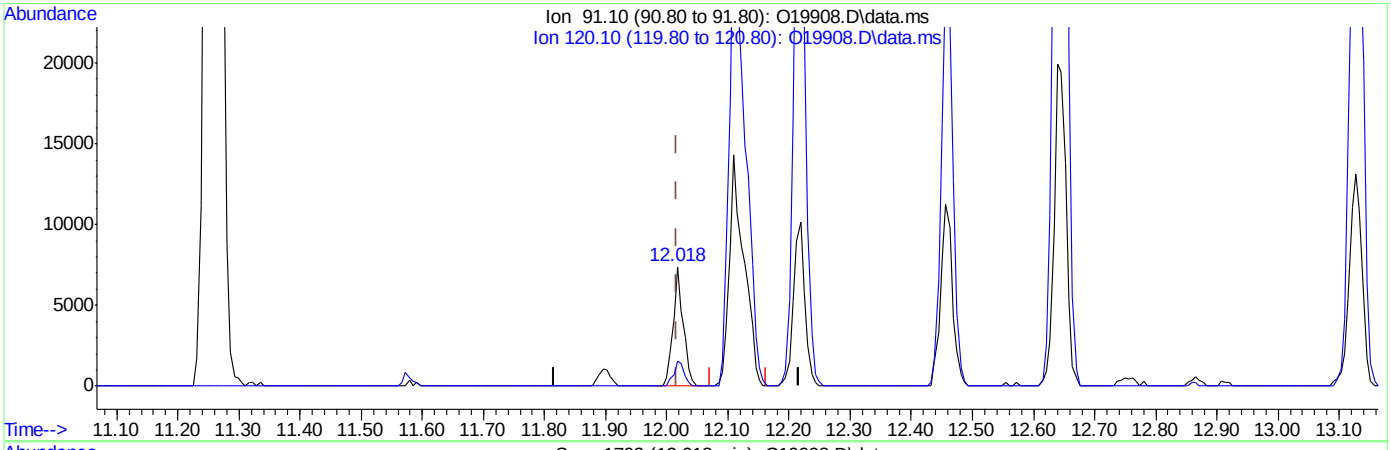
response 24041

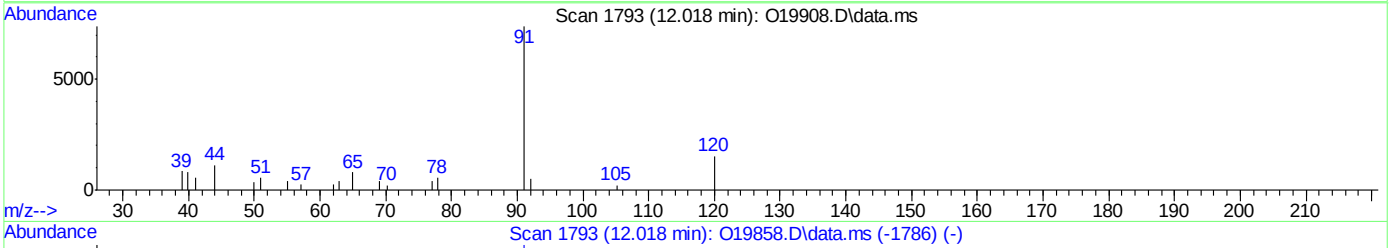
Ion	Exp%	Act%
91.10	100	100
120.10	21.30	196.02#
0.00	0.00	0.00
0.00	0.00	0.00

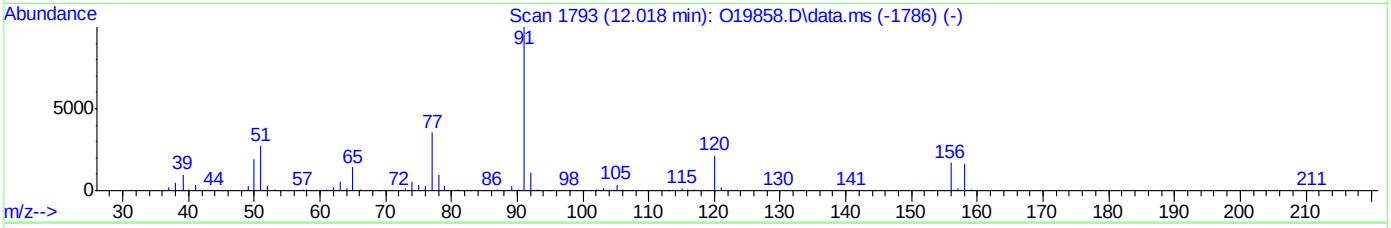
Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\110113\
Data File : O19908.D
Acq On : 1 Nov 2013 4:11 pm
Operator : melissam
Sample : FA9297-5
Misc : MS25570,VO792,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 02 09:25:03 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration







TIC: O19908.D\data.ms

(81) n-Propylbenzene ( )

12.018min (+0.000) 0.31ug/L m

response 8494

Ion	Exp%	Act%
91.10	100	100
120.10	21.30	20.72
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19875.D
Acq On : 31 Oct 2013 5:55 pm
Operator : melissam
Sample : FA9297-6
Misc : MS25564,VO791,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 01 11:12:17 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

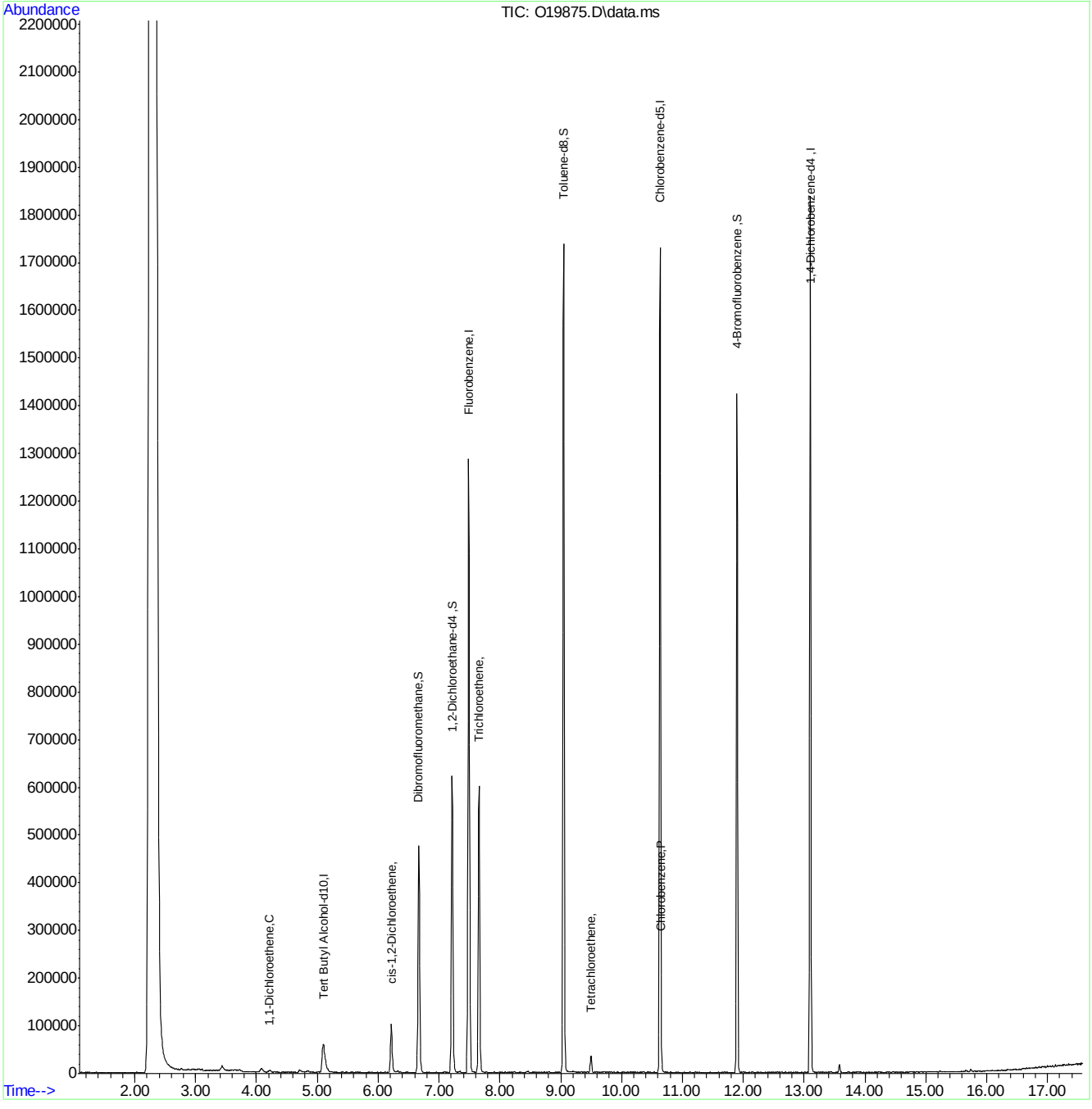
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	878369	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	661089	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	355502	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	86862	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	276360	49.65	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.30%			
46) 1,2-Dichloroethane-d4	7.214	65	435517	47.97	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.94%			
57) Toluene-d8	9.049	98	845969	50.27	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.54%			
79) 4-Bromofluorobenzene	11.896	95	368762	49.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.60%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.214	61	4014	0.28	ug/L	86
29) cis-1,2-Dichloroethene	6.220	96	36154	5.01	ug/L #	86
48) Trichloroethene	7.659	95	165483	23.03	ug/L	97
62) Tetrachloroethene	9.494	166	7548	1.06	ug/L	83
71) Chlorobenzene	10.652	112	5008	0.30	ug/L	91

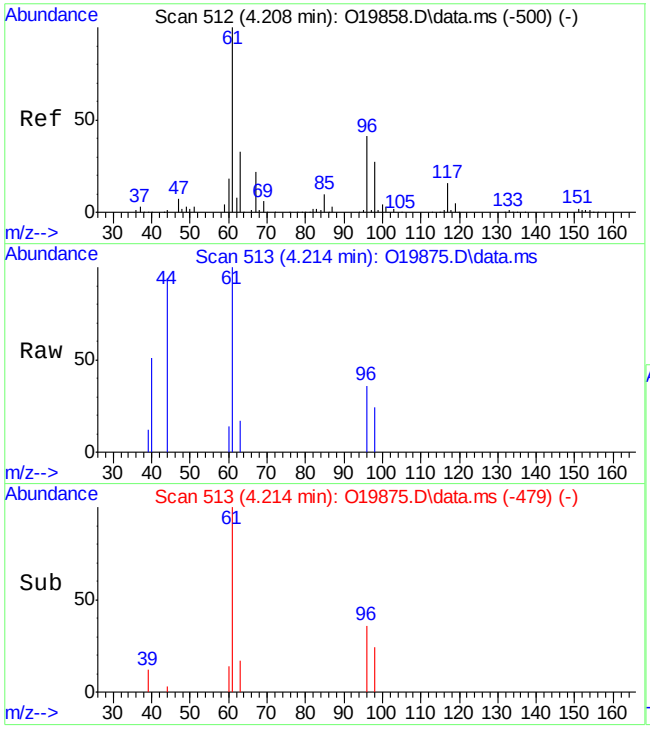
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19875.D
Acq On : 31 Oct 2013 5:55 pm
Operator : melissam
Sample : FA9297-6
Misc : MS25564,VO791,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 01 11:12:17 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

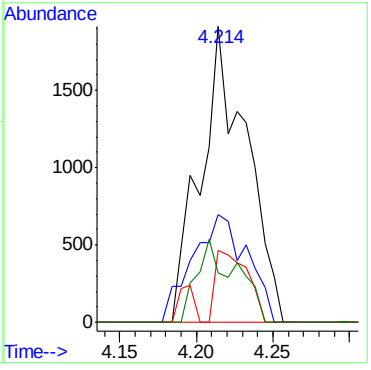


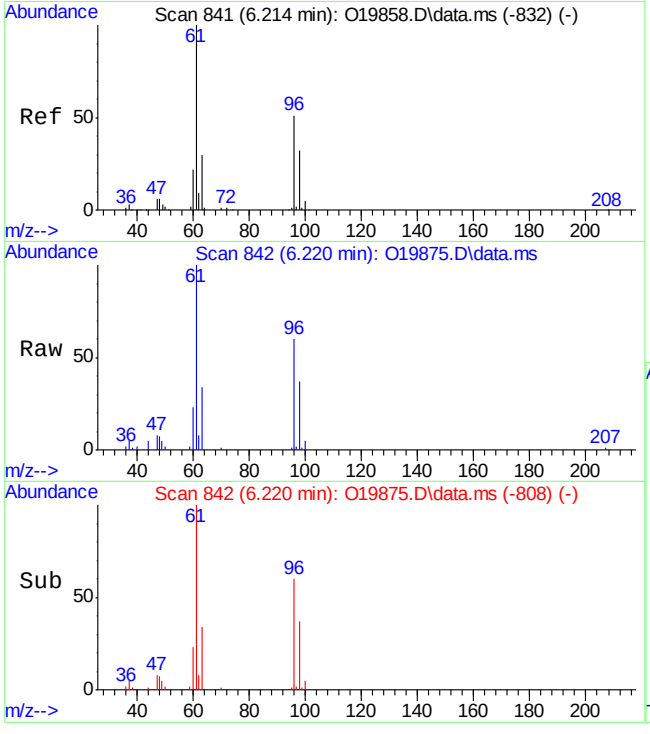


#11
1,1-Dichloroethene
Concen: 0.28 ug/L
RT: 4.214 min Scan# 513
Delta R.T. 0.006 min
Lab File: O19875.D
Acq: 31 Oct 2013 5:55 pm

Tgt Ion: 61 Resp: 4014

Ion	Ratio	Lower	Upper
61	100		
96	36.3	10.9	70.9
98	24.4	0.0	57.1
63	16.7	2.6	62.6

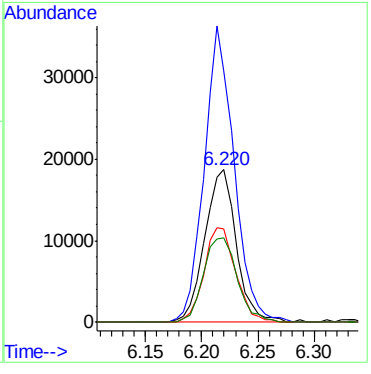


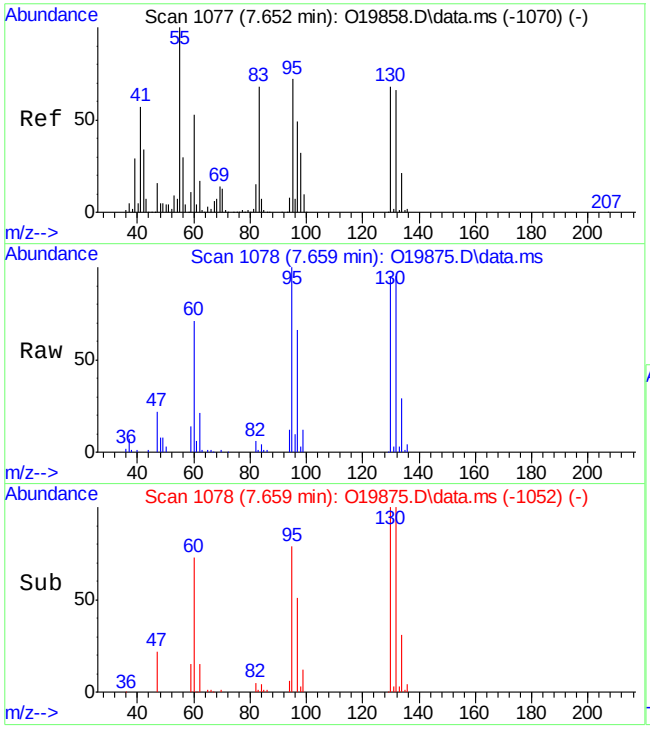


#29
cis-1,2-Dichloroethene
Concen: 5.01 ug/L
RT: 6.220 min Scan# 842
Delta R.T. 0.006 min
Lab File: O19875.D
Acq: 31 Oct 2013 5:55 pm

Tgt Ion: 96 Resp: 36154

Ion	Ratio	Lower	Upper
96	100		
61	165.5	166.6	226.6#
98	61.4	33.5	93.5
63	55.6	28.5	88.5

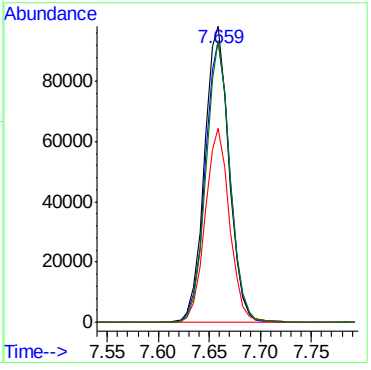


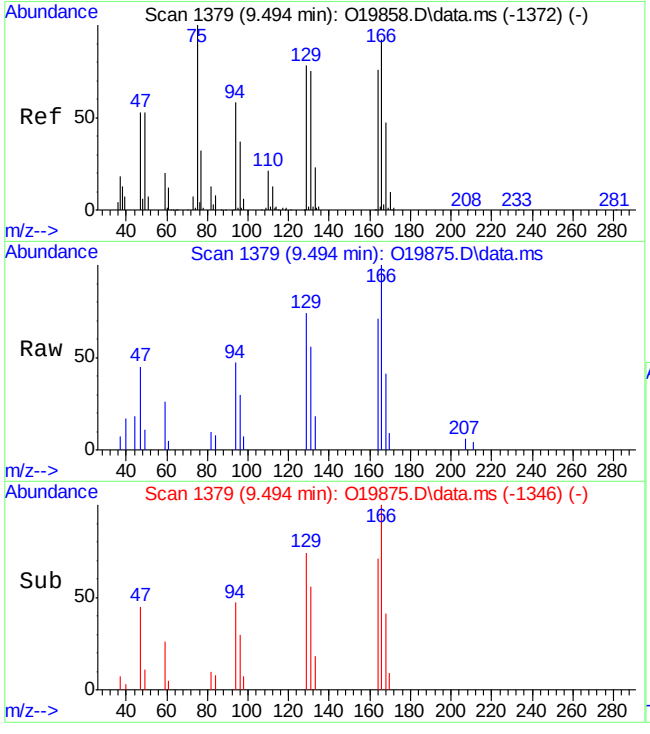


#48
Trichloroethene
Concen: 23.03 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19875.D
Acq: 31 Oct 2013 5:55 pm

Tgt Ion: 95 Resp: 165483

Ion	Ratio	Lower	Upper
95	100		
130	95.0	63.6	123.6
97	65.5	38.1	98.1
132	95.0	60.7	120.7

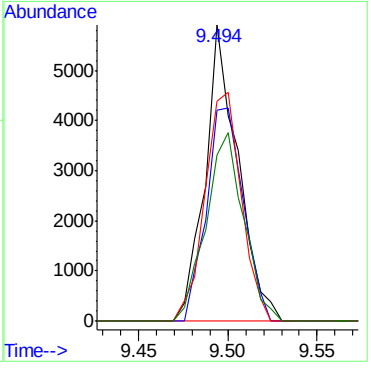


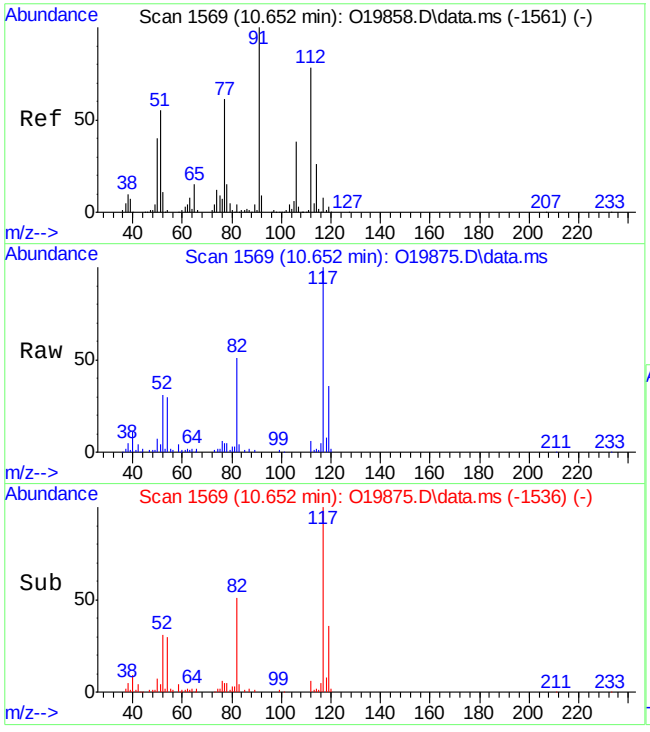


#62
Tetrachloroethene
Concen: 1.06 ug/L
RT: 9.494 min Scan# 1379
Delta R.T. 0.000 min
Lab File: O19875.D
Acq: 31 Oct 2013 5:55 pm

Tgt Ion:166 Resp: 7548

Ion	Ratio	Lower	Upper
166	100		
164	71.3	52.5	112.5
129	74.4	54.4	114.4
131	56.1	51.5	111.5

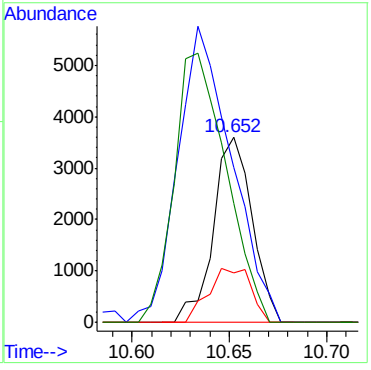




#71
Chlorobenzene
Concen: 0.30 ug/L
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: O19875.D
Acq: 31 Oct 2013 5:55 pm

Tgt Ion:112 Resp: 5008

Ion	Ratio	Lower	Upper
112	100		
77	83.4	47.8	107.8
114	26.4	2.8	62.8
51	64.1	42.7	102.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19876.D
Acq On : 31 Oct 2013 6:16 pm
Operator : melissam
Sample : FA9297-7
Misc : MS25564,VO791,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 01 11:13:20 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

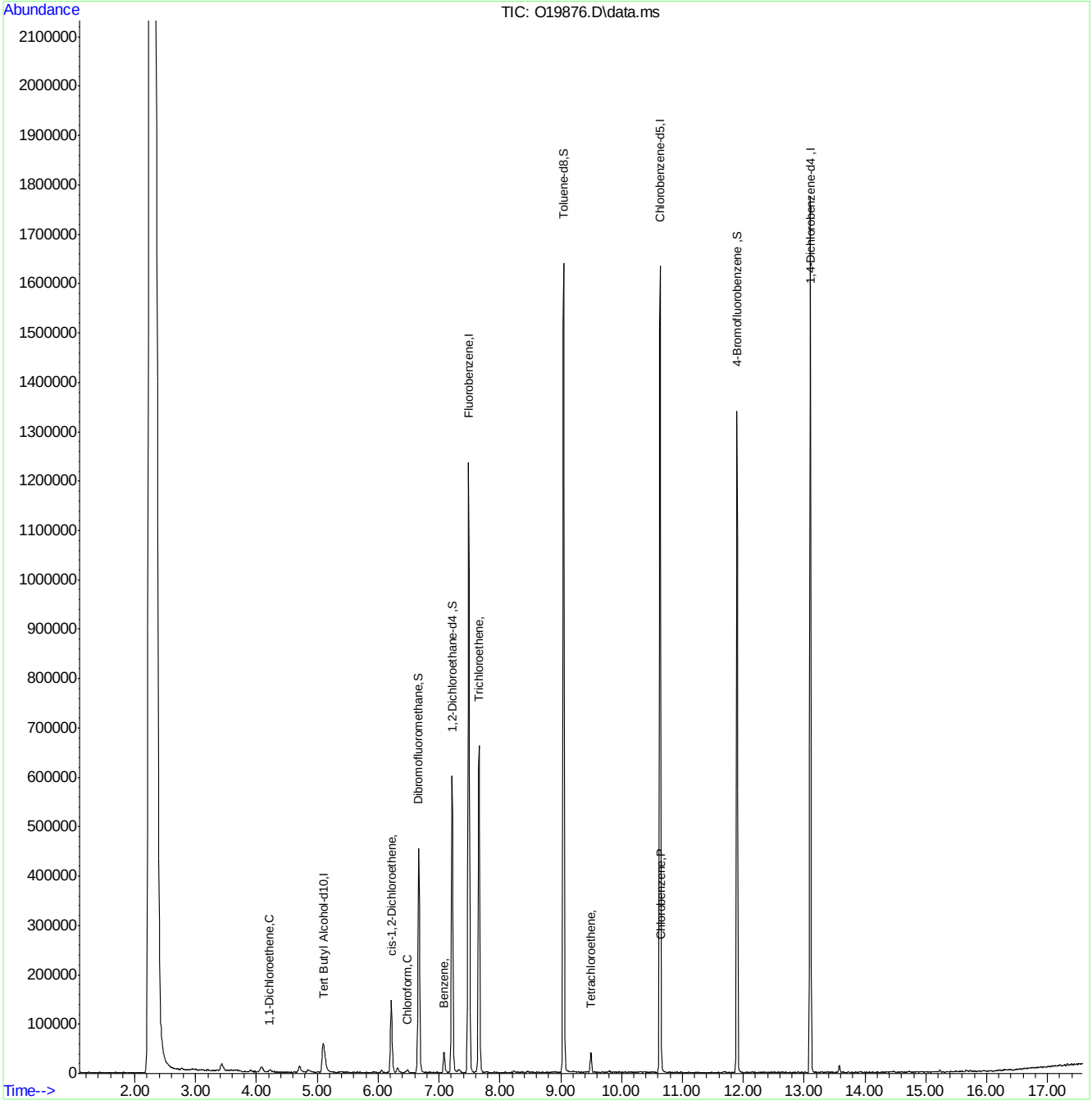
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	840885	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	631994	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	338072	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	83137	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	265939	49.86	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.72%			
46) 1,2-Dichloroethane-d4	7.214	65	421832	48.54	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.08%			
57) Toluene-d8	9.049	98	804078	50.05	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.10%			
79) 4-Bromofluorobenzene	11.896	95	351405	49.88	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.76%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.214	61	5020	0.36	ug/L	92
29) cis-1,2-Dichloroethene	6.214	96	52226	7.56	ug/L	94
33) Chloroform	6.482	83	3397	0.25	ug/L	91
44) Benzene	7.086	78	27965	1.23	ug/L	80
48) Trichloroethene	7.659	95	181553	26.39	ug/L	97
62) Tetrachloroethene	9.500	166	8502	1.24	ug/L	91
71) Chlorobenzene	10.652	112	4794	0.30	ug/L	84

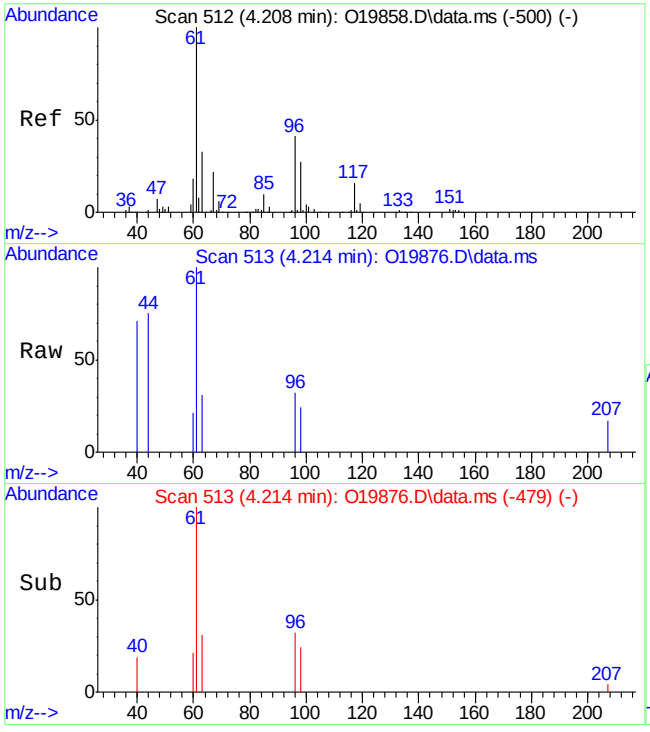
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19876.D
Acq On : 31 Oct 2013 6:16 pm
Operator : melissam
Sample : FA9297-7
Misc : MS25564,VO791,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 01 11:13:20 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

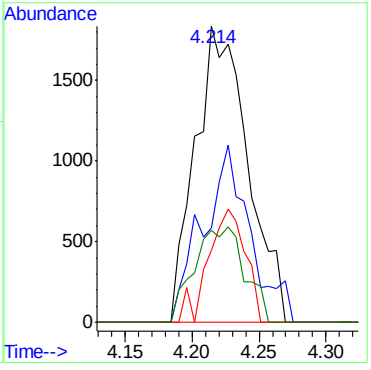


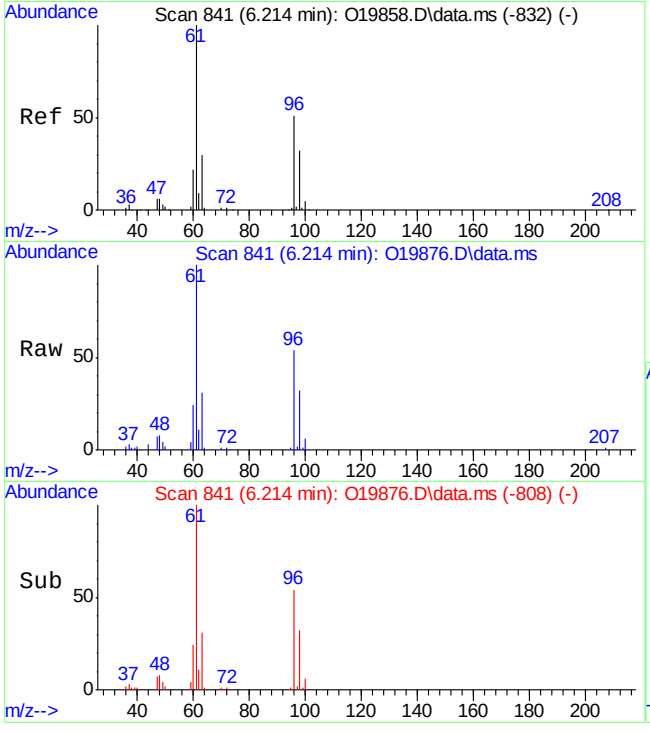


#11
1,1-Dichloroethene
Concen: 0.36 ug/L
RT: 4.214 min Scan# 513
Delta R.T. 0.006 min
Lab File: O19876.D
Acq: 31 Oct 2013 6:16 pm

Tgt Ion: 61 Resp: 5020

Ion	Ratio	Lower	Upper
61	100		
96	32.0	10.9	70.9
98	24.4	0.0	57.1
63	31.1	2.6	62.6

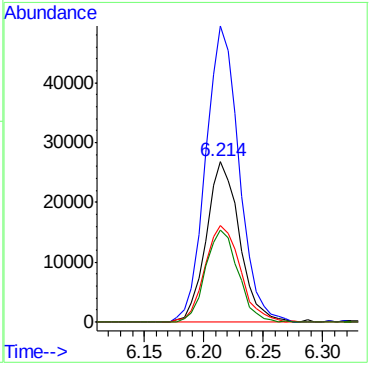


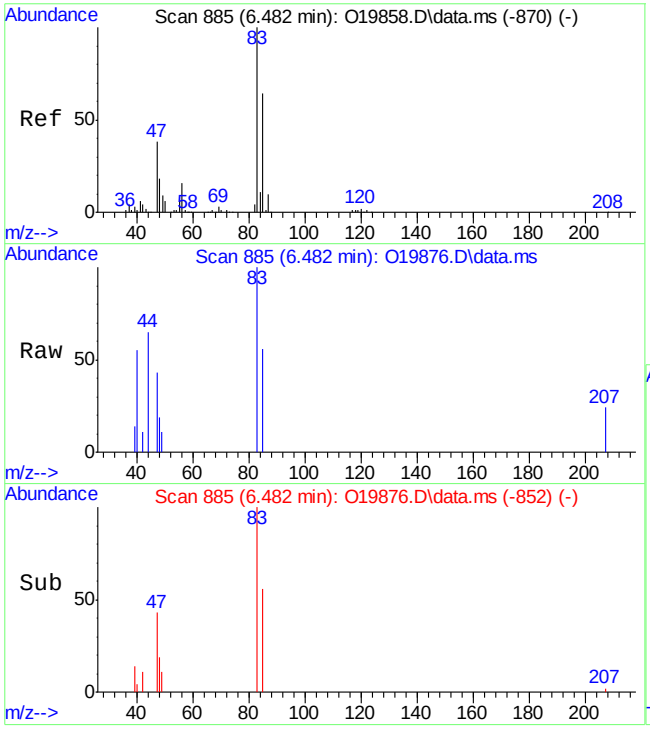


#29
cis-1,2-Dichloroethene
Concen: 7.56 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19876.D
Acq: 31 Oct 2013 6:16 pm

Tgt Ion: 96 Resp: 52226

Ion	Ratio	Lower	Upper
96	100		
61	184.3	166.6	226.6
98	59.8	33.5	93.5
63	57.5	28.5	88.5

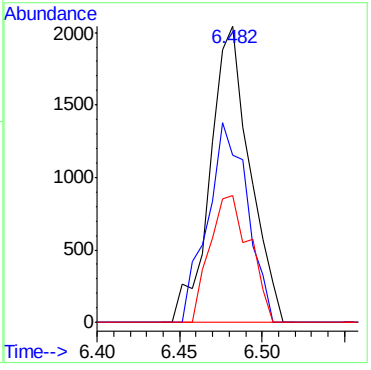


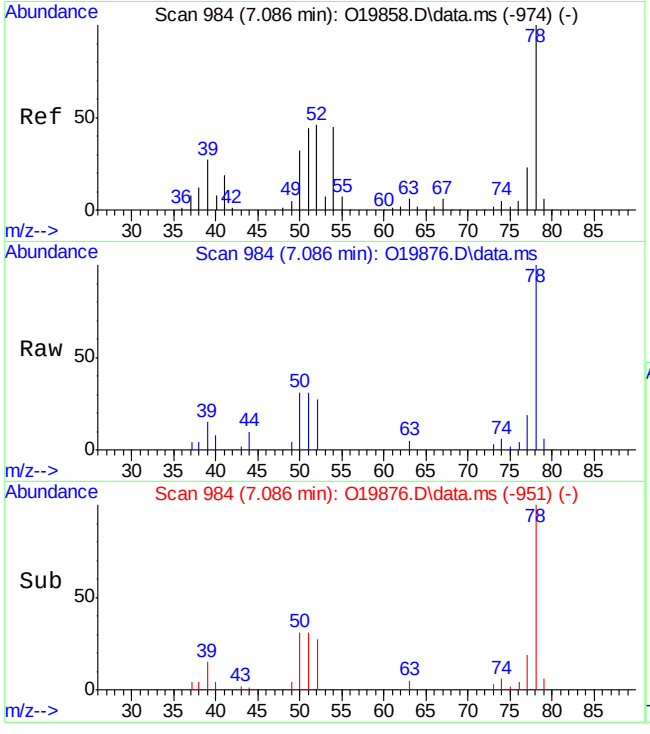


#33
Chloroform
Concen: 0.25 ug/L
RT: 6.482 min Scan# 885
Delta R.T. 0.000 min
Lab File: O19876.D
Acq: 31 Oct 2013 6:16 pm

Tgt Ion: 83 Resp: 3397

Ion	Ratio	Lower	Upper
83	100		
85	56.3	33.6	93.6
47	42.7	8.1	68.1

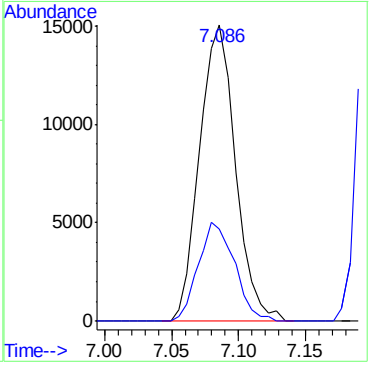


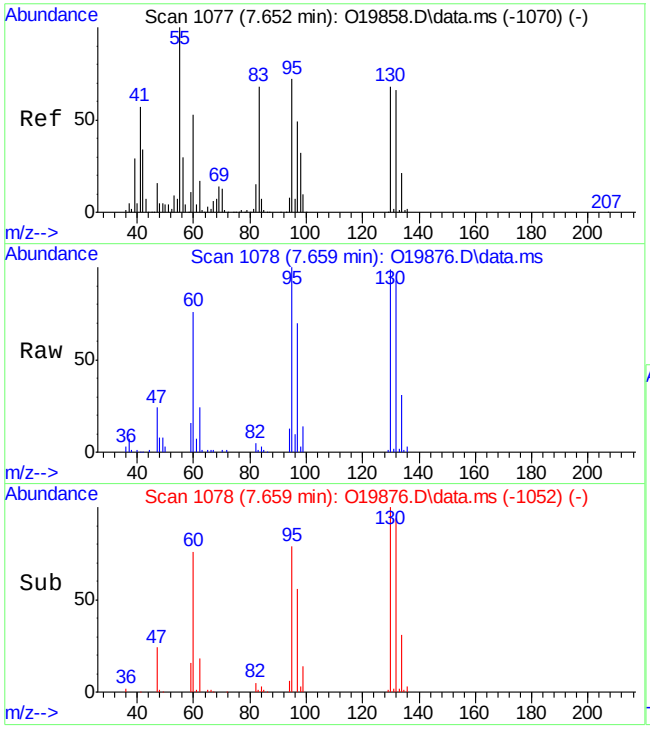


#44
Benzene
Concen: 1.23 ug/L
RT: 7.086 min Scan# 984
Delta R.T. 0.000 min
Lab File: O19876.D
Acq: 31 Oct 2013 6:16 pm

Tgt Ion: 78 Resp: 27965

Ion	Ratio	Lower	Upper
78	100		
51	31.1	14.3	74.3

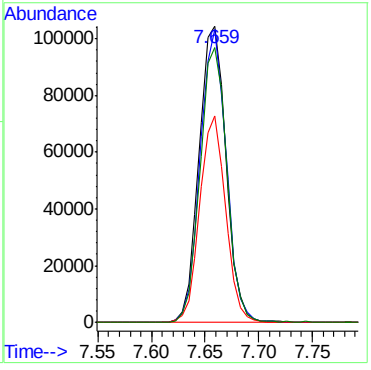


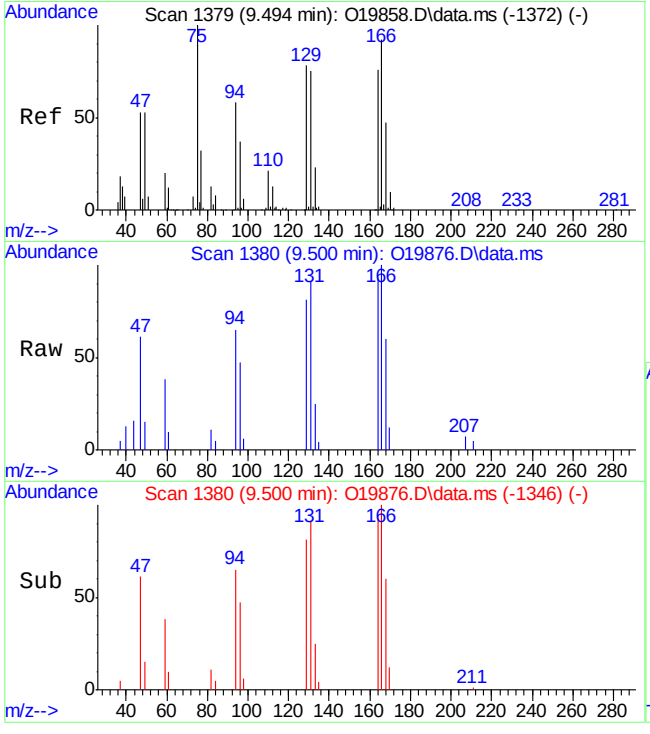


#48
Trichloroethene
Concen: 26.39 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19876.D
Acq: 31 Oct 2013 6:16 pm

Tgt Ion: 95 Resp: 181553

Ion	Ratio	Lower	Upper
95	100		
130	98.7	63.6	123.6
97	69.6	38.1	98.1
132	92.8	60.7	120.7

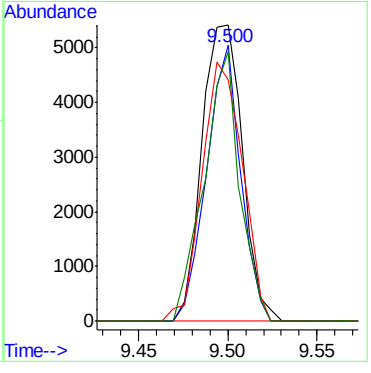


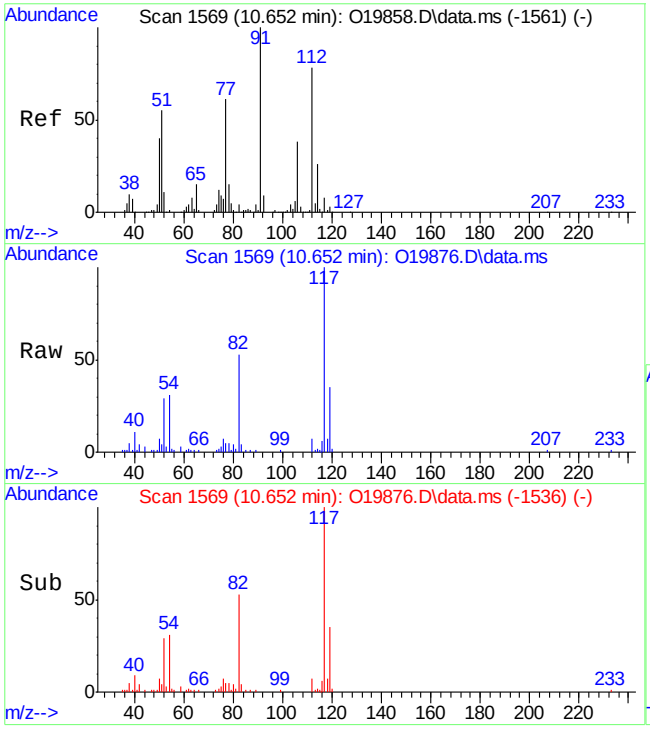


#62
Tetrachloroethene
Concen: 1.24 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19876.D
Acq: 31 Oct 2013 6:16 pm

Tgt Ion:166 Resp: 8502

Ion	Ratio	Lower	Upper
166	100		
164	93.4	52.5	112.5
129	81.5	54.4	114.4
131	91.1	51.5	111.5

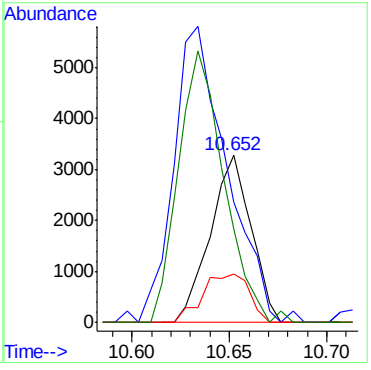




#71
Chlorobenzene
Concen: 0.30 ug/L
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: O19876.D
Acq: 31 Oct 2013 6:16 pm

Tgt Ion:112 Resp: 4794

Ion	Ratio	Lower	Upper
112	100		
77	64.8	47.8	107.8
114	28.9	2.8	62.8
51	55.7	42.7	102.7



7.1.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19897.D
Acq On : 1 Nov 2013 10:55 am
Operator : melissam
Sample : FA9297-8
Misc : MS25570,VO792,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 07:40:01 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

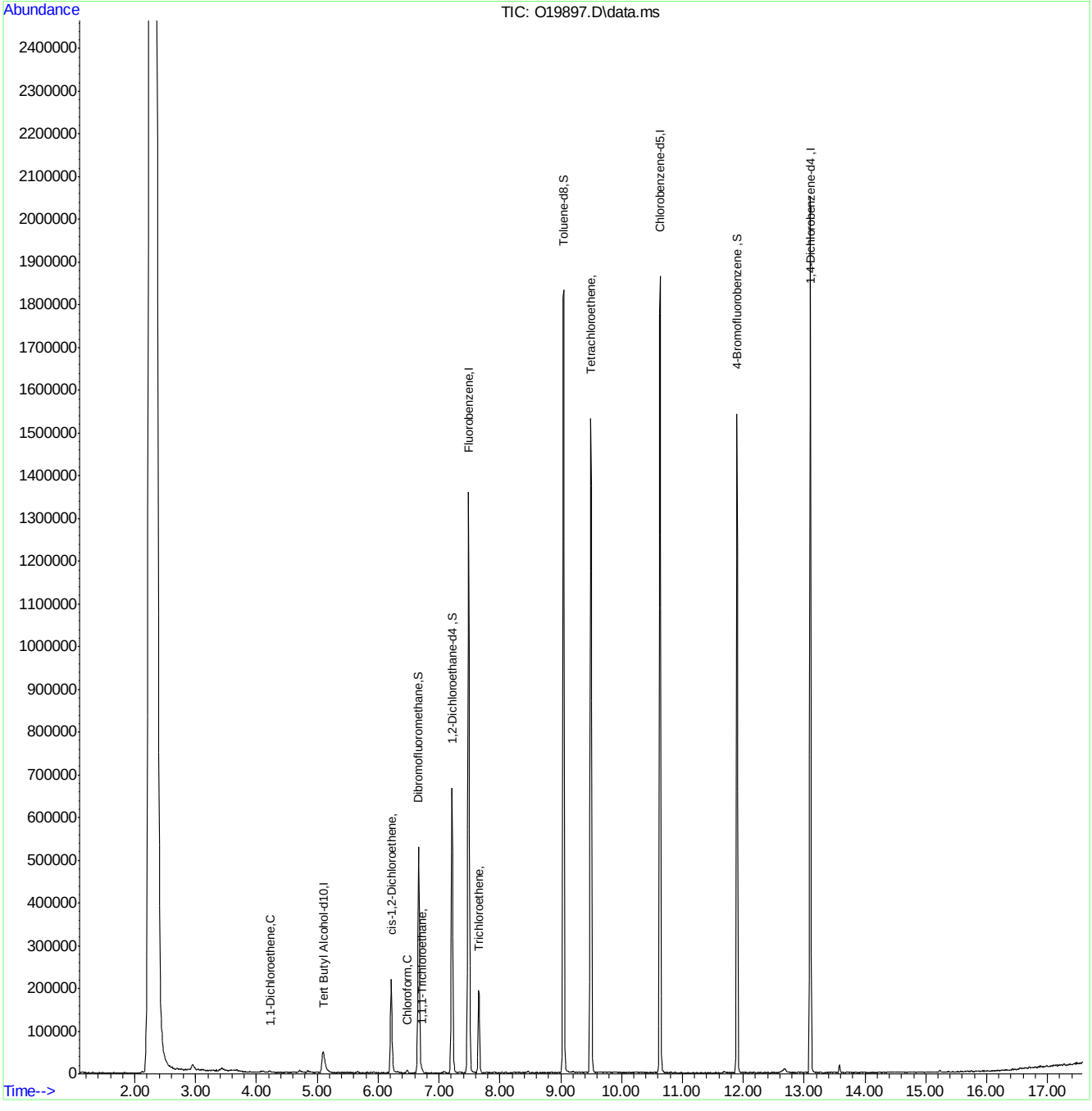
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	949212	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	715064	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	386859	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	75478	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	305484	50.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.12%			
46) 1,2-Dichloroethane-d4	7.214	65	477470	48.67	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.34%			
57) Toluene-d8	9.049	98	913146	50.19	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.38%			
79) 4-Bromofluorobenzene	11.896	95	406674	50.29	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.58%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.220	61	3641	0.23	ug/L	89
29) cis-1,2-Dichloroethene	6.214	96	73800	9.46	ug/L	99
33) Chloroform	6.482	83	4339	0.28	ug/L	96
38) 1,1,1-Trichloroethane	6.720	97	5971	0.42	ug/L	83
48) Trichloroethene	7.659	95	54628	7.03	ug/L	93
62) Tetrachloroethene	9.494	166	329326	42.62	ug/L	98

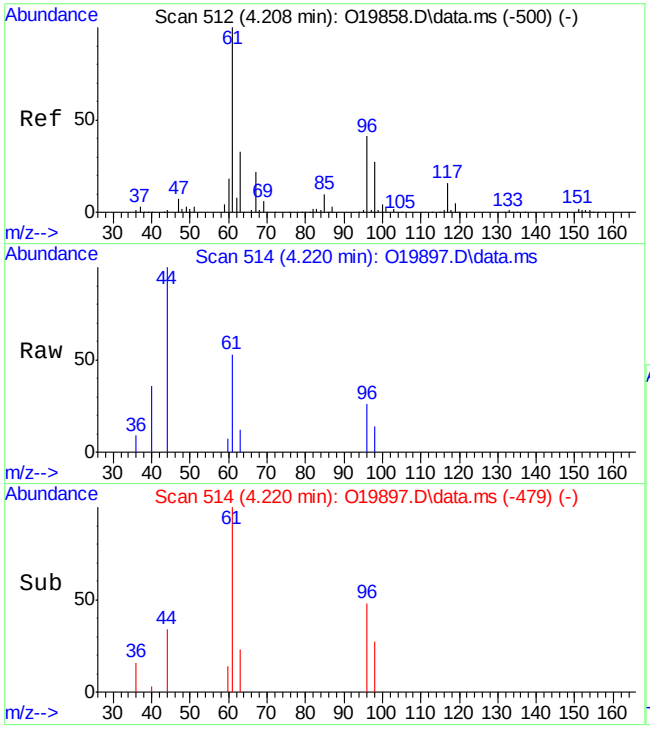
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19897.D
Acq On : 1 Nov 2013 10:55 am
Operator : melissam
Sample : FA9297-8
Misc : MS25570,VO792,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Nov 04 07:40:01 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

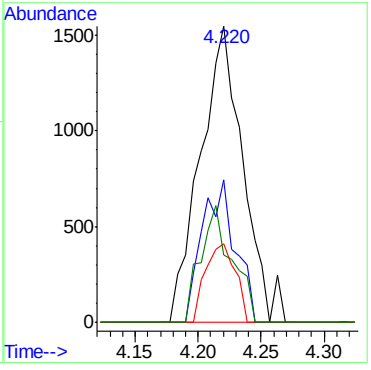


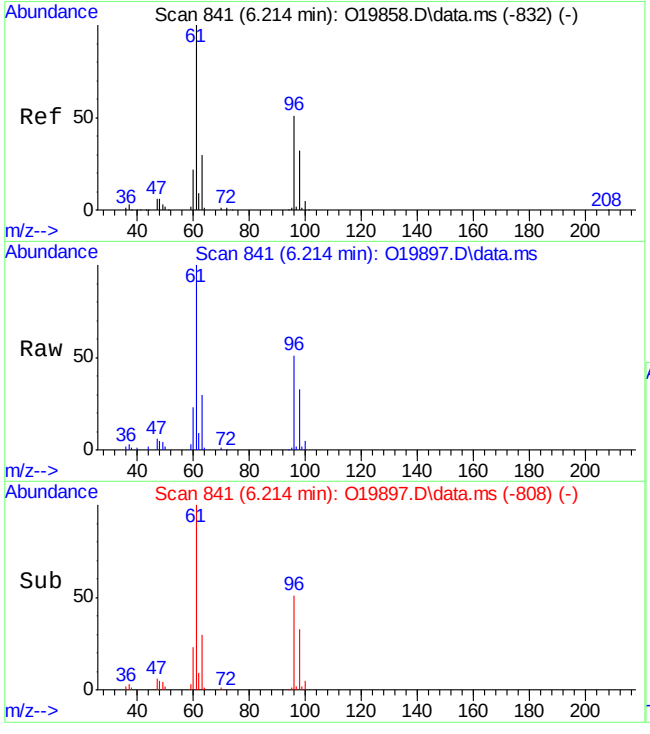


#11
1,1-Dichloroethene
Concen: 0.23 ug/L
RT: 4.220 min Scan# 514
Delta R.T. 0.012 min
Lab File: O19897.D
Acq: 1 Nov 2013 10:55 am

Tgt Ion: 61 Resp: 3641

Ion	Ratio	Lower	Upper
61	100		
96	48.2	10.9	70.9
98	26.7	0.0	57.1
63	22.8	2.6	62.6

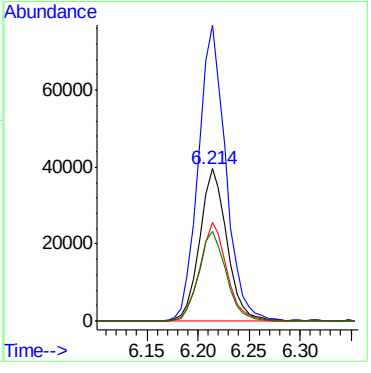


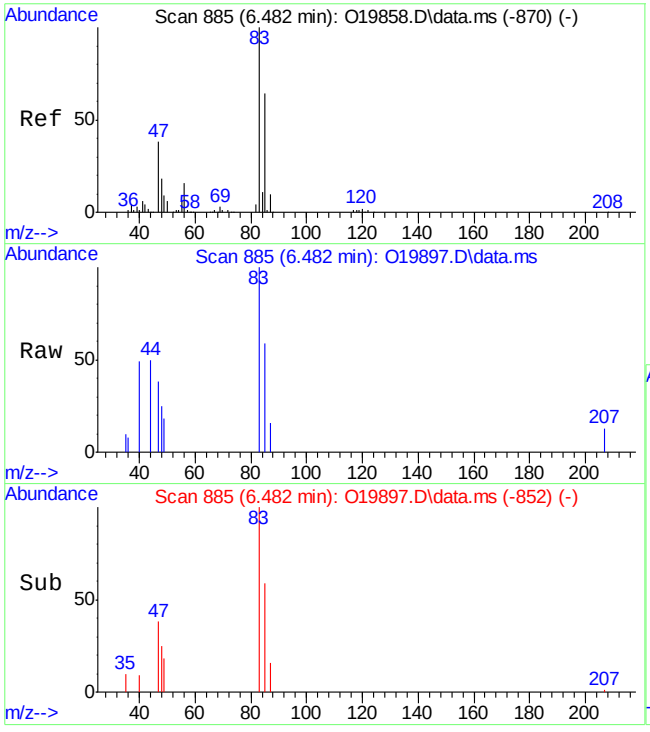


#29
cis-1,2-Dichloroethene
Concen: 9.46 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19897.D
Acq: 1 Nov 2013 10:55 am

Tgt Ion: 96 Resp: 73800

Ion	Ratio	Lower	Upper
96	100		
61	194.3	166.6	226.6
98	64.7	33.5	93.5
63	58.8	28.5	88.5

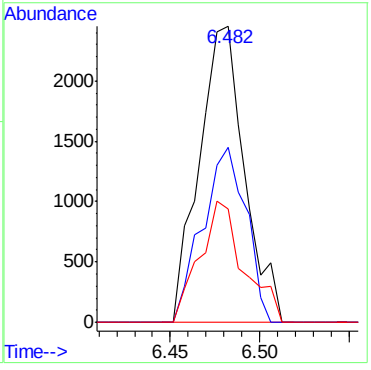


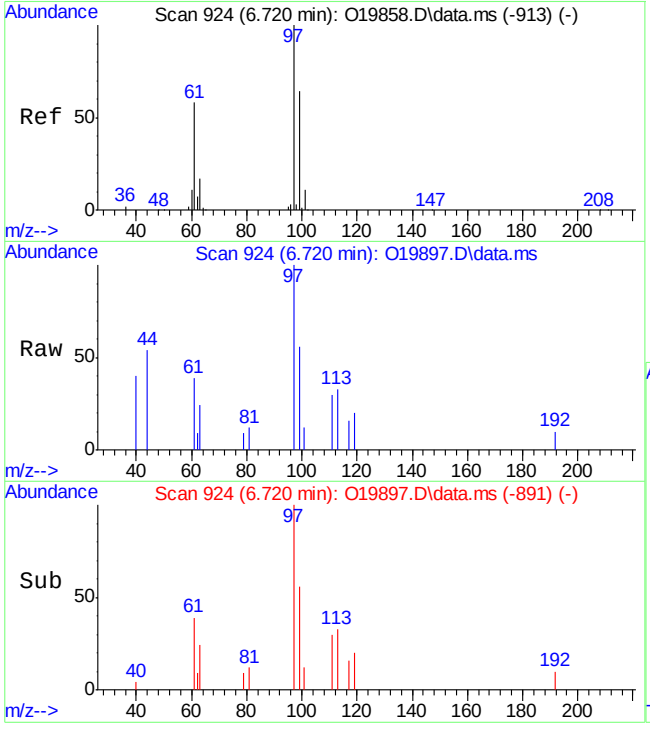


#33
Chloroform
Concen: 0.28 ug/L
RT: 6.482 min Scan# 885
Delta R.T. 0.000 min
Lab File: O19897.D
Acq: 1 Nov 2013 10:55 am

Tgt Ion: 83 Resp: 4339

Ion	Ratio	Lower	Upper
83	100		
85	59.1	33.6	93.6
47	38.2	8.1	68.1

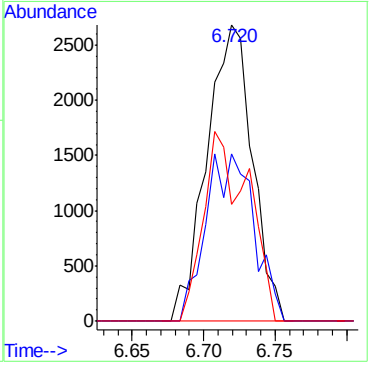


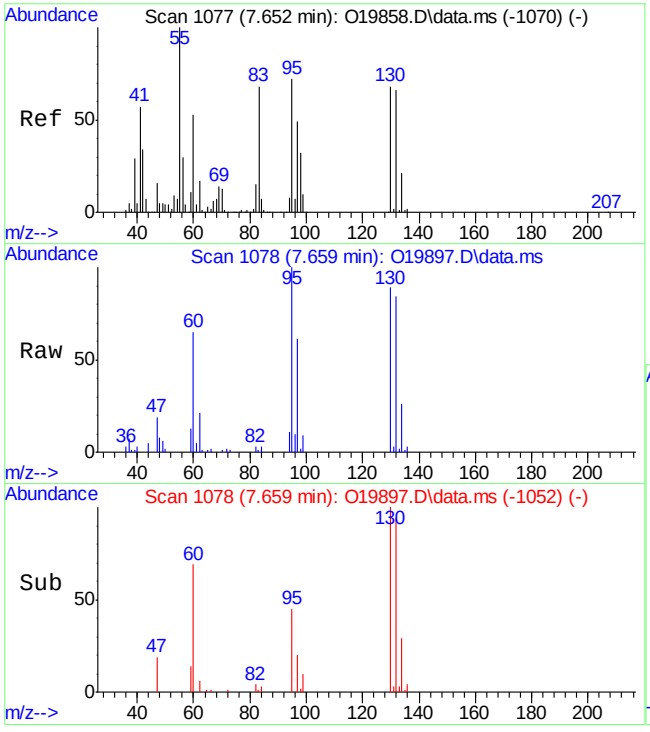


#38
1,1,1-Trichloroethane
Concen: 0.42 ug/L
RT: 6.720 min Scan# 924
Delta R.T. 0.000 min
Lab File: O19897.D
Acq: 1 Nov 2013 10:55 am

Tgt Ion: 97 Resp: 5971

Ion	Ratio	Lower	Upper
97	100		
99	56.4	34.3	94.3
61	39.4	28.2	88.2

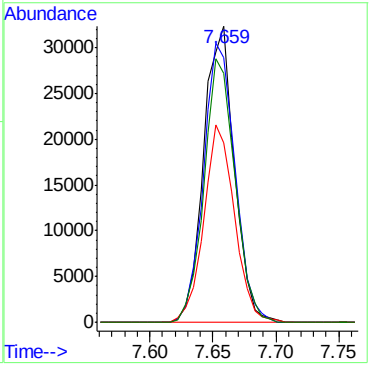


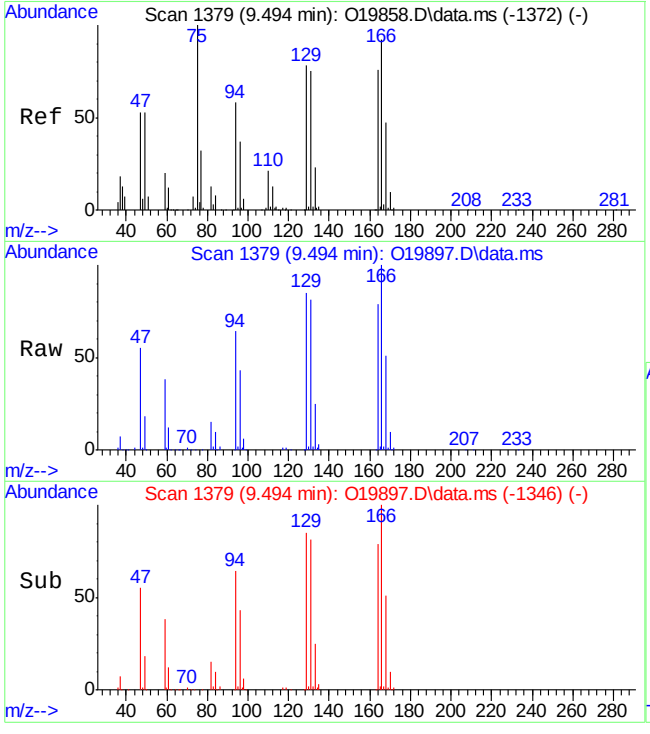


#48
Trichloroethene
Concen: 7.03 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19897.D
Acq: 1 Nov 2013 10:55 am

Tgt Ion: 95 Resp: 54628

Ion	Ratio	Lower	Upper
95	100		
130	89.4	63.6	123.6
97	60.6	38.1	98.1
132	84.2	60.7	120.7

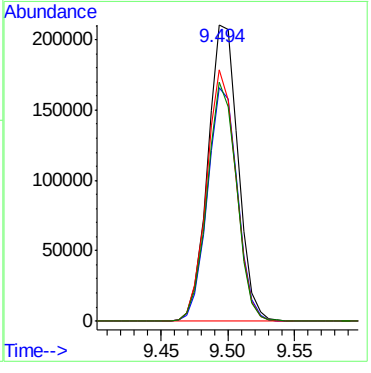




#62
Tetrachloroethene
Concen: 42.62 ug/L
RT: 9.494 min Scan# 1379
Delta R.T. 0.000 min
Lab File: O19897.D
Acq: 1 Nov 2013 10:55 am

Tgt Ion:166 Resp: 329326

Ion	Ratio	Lower	Upper
166	100		
164	78.8	52.5	112.5
129	84.8	54.4	114.4
131	80.7	51.5	111.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19898.D
Acq On : 1 Nov 2013 11:16 am
Operator : melissam
Sample : FA9297-9
Misc : MS25570,VO792,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 04 07:40:49 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

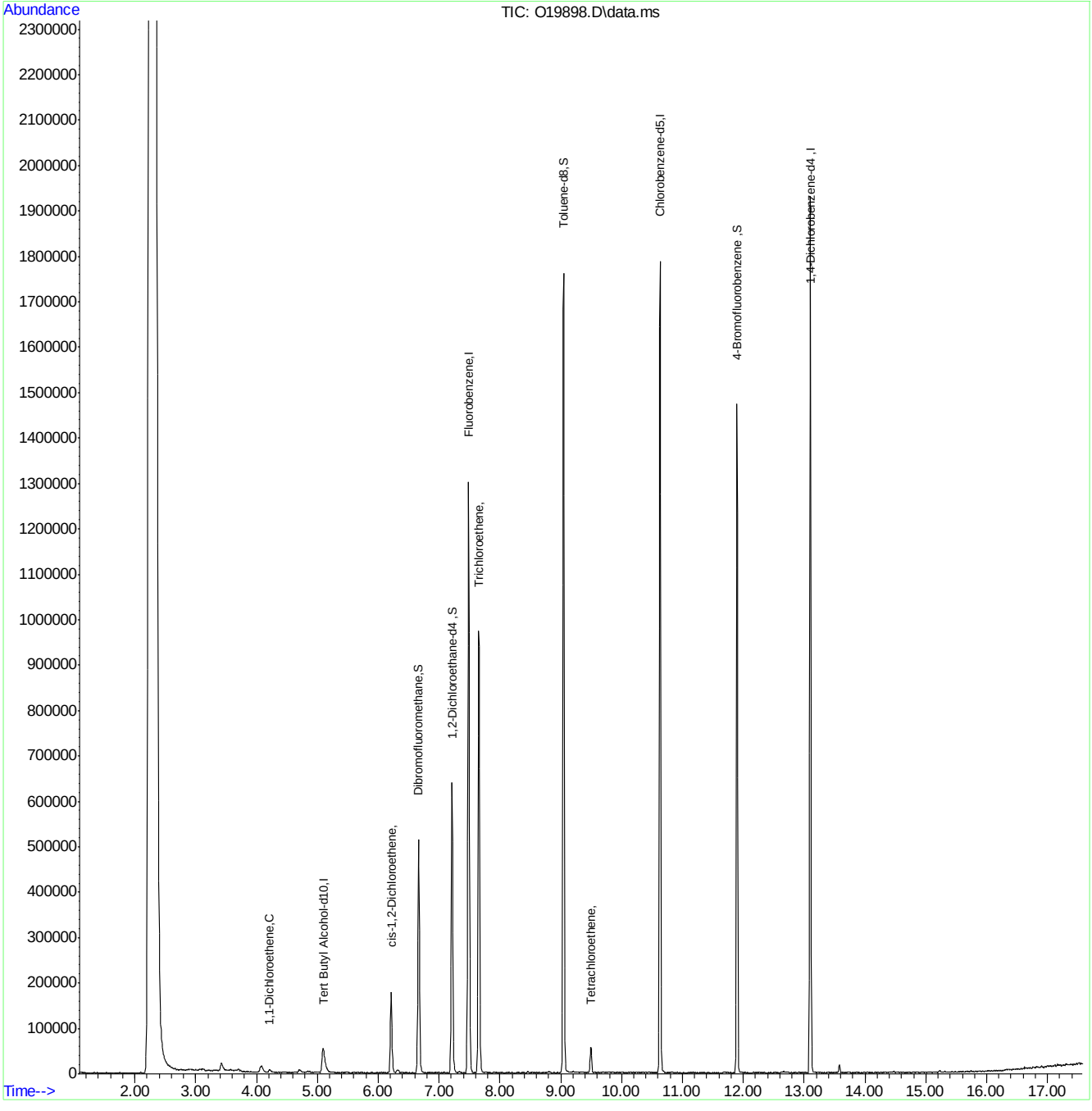
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	898016	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	677740	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	364897	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	78544	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	289239	50.60	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.20%			
46) 1,2-Dichloroethane-d4	7.214	65	459550	49.51	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.02%			
57) Toluene-d8	9.049	98	860113	49.96	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.92%			
79) 4-Bromofluorobenzene	11.896	95	390521	50.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.92%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.214	61	6570	0.44	ug/L	95
29) cis-1,2-Dichloroethene	6.214	96	58871	7.98	ug/L	97
48) Trichloroethene	7.652	95	279870	38.09	ug/L	95
62) Tetrachloroethene	9.500	166	12529	1.71	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

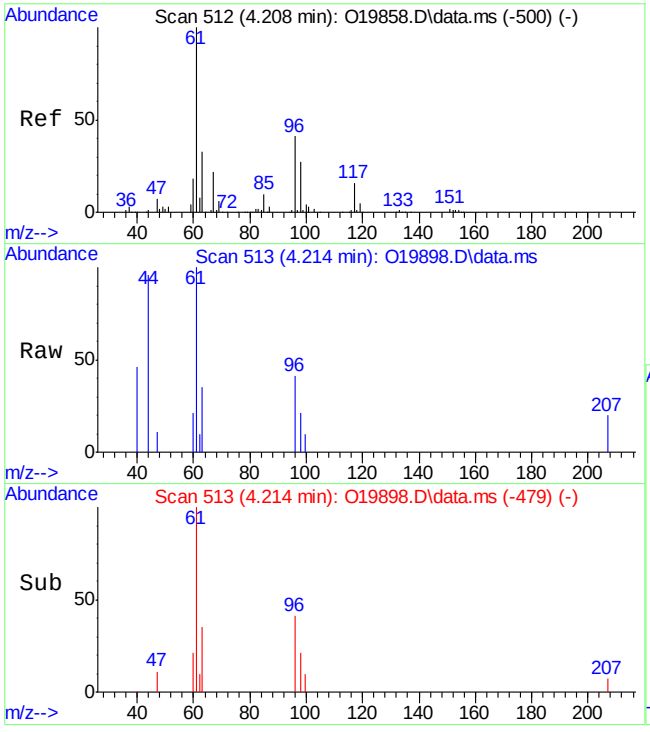
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19898.D
Acq On : 1 Nov 2013 11:16 am
Operator : melissam
Sample : FA9297-9
Misc : MS25570,VO792,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 04 07:40:49 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



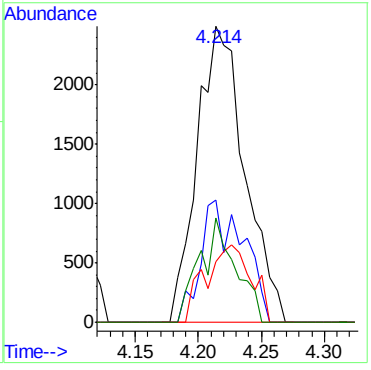
7.1.10
7
ACCUTEST LABORATORIES
FA9297

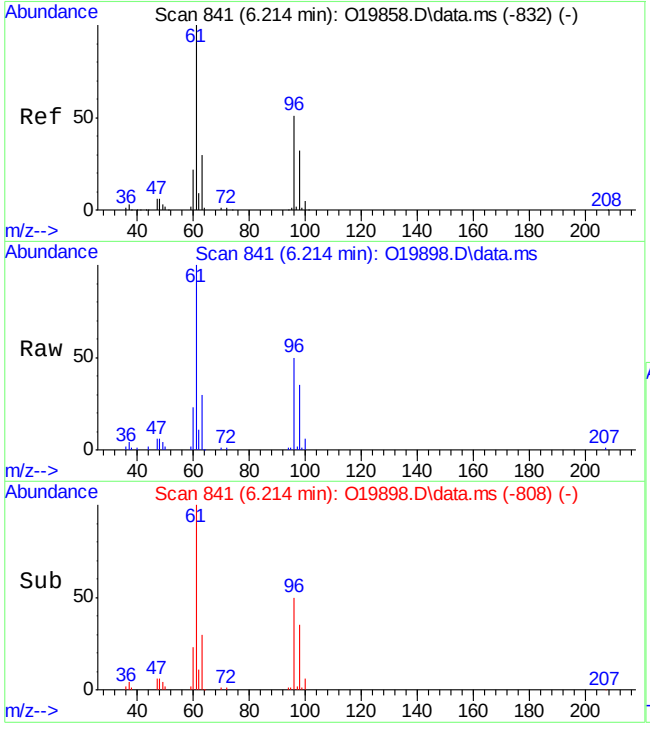


#11
1,1-Dichloroethene
Concen: 0.44 ug/L
RT: 4.214 min Scan# 513
Delta R.T. 0.006 min
Lab File: O19898.D
Acq: 1 Nov 2013 11:16 am

Tgt Ion: 61 Resp: 6570

Ion	Ratio	Lower	Upper
61	100		
96	41.2	10.9	70.9
98	20.6	0.0	57.1
63	35.4	2.6	62.6

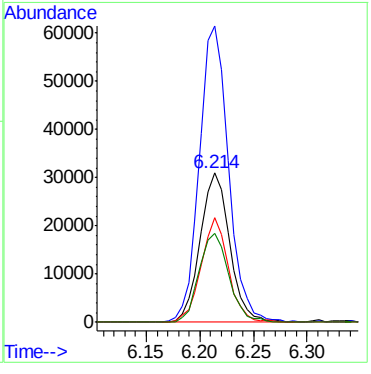


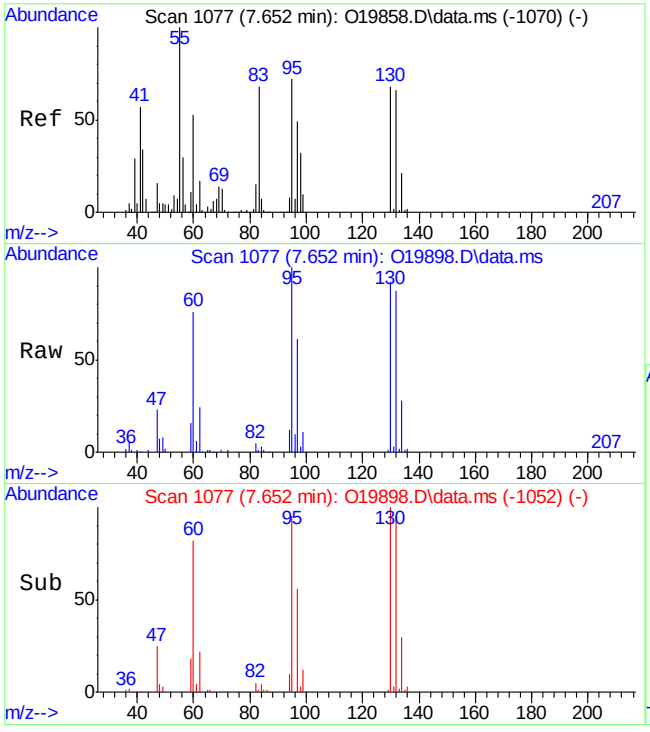


#29
cis-1,2-Dichloroethene
Concen: 7.98 ug/L
RT: 6.214 min Scan# 841
Delta R.T. -0.000 min
Lab File: O19898.D
Acq: 1 Nov 2013 11:16 am

Tgt Ion: 96 Resp: 58871

Ion	Ratio	Lower	Upper
96	100		
61	198.9	166.6	226.6
98	70.2	33.5	93.5
63	59.7	28.5	88.5

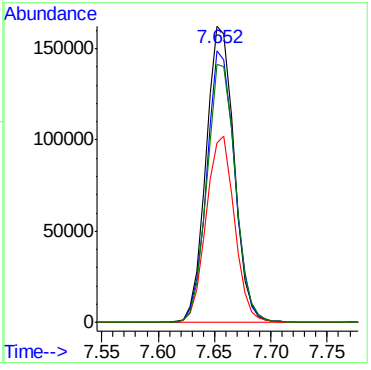


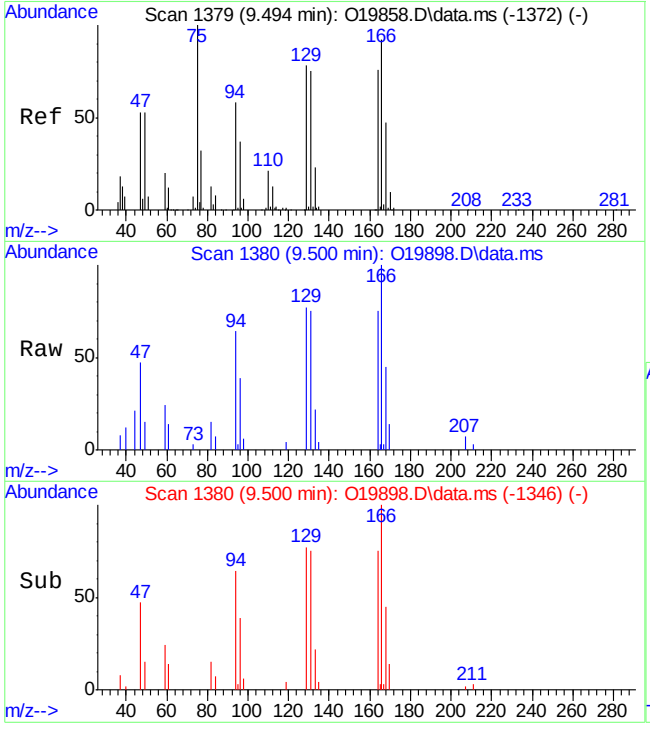


#48
Trichloroethene
Concen: 38.09 ug/L
RT: 7.652 min Scan# 1077
Delta R.T. -0.000 min
Lab File: O19898.D
Acq: 1 Nov 2013 11:16 am

Tgt Ion: 95 Resp: 279870

Ion	Ratio	Lower	Upper
95	100		
130	91.5	63.6	123.6
97	60.6	38.1	98.1
132	87.0	60.7	120.7

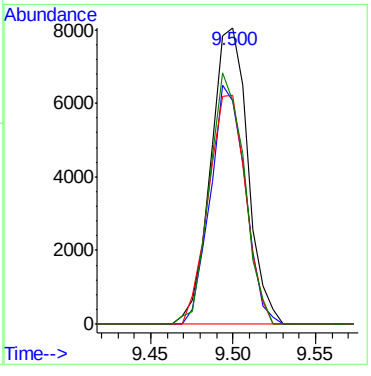




#62
Tetrachloroethene
Concen: 1.71 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19898.D
Acq: 1 Nov 2013 11:16 am

Tgt Ion:166 Resp: 12529

Ion	Ratio	Lower	Upper
166	100		
164	75.5	52.5	112.5
129	77.4	54.4	114.4
131	75.3	51.5	111.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19899.D
Acq On : 1 Nov 2013 11:37 am
Operator : melissam
Sample : FA9297-10
Misc : MS25570,VO792,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 07:43:34 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

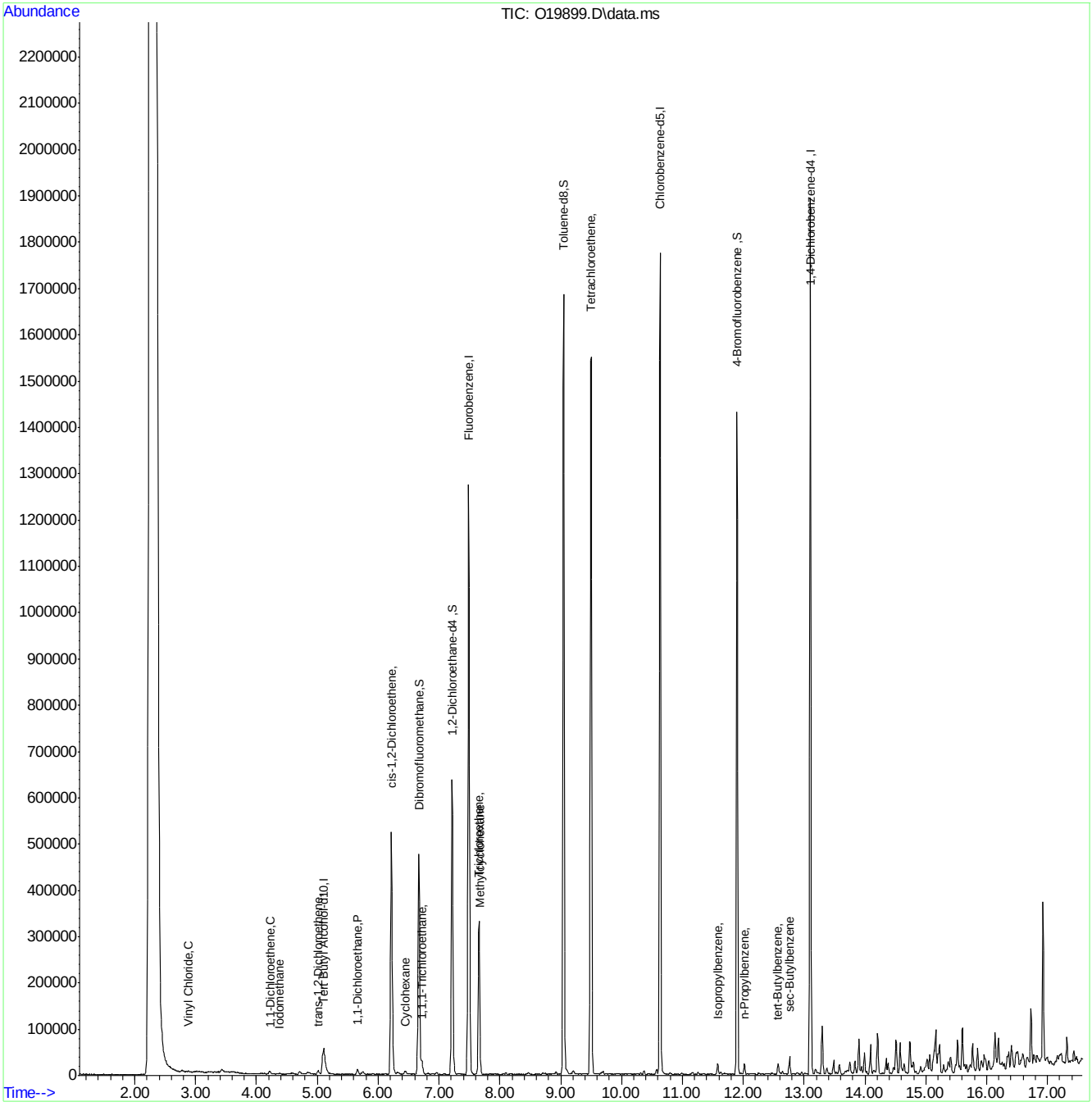
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	857225	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	663818	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	355695	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	78321	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.671	113	277672	50.83	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.66%			
46) 1,2-Dichloroethane-d4	7.214	65	438631	49.51	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.02%			
57) Toluene-d8	9.049	98	804812	48.27	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.54%			
79) 4-Bromofluorobenzene	11.896	95	375071	50.41	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.82%			
Target Compounds						Qvalue
5) Vinyl Chloride	2.879	62	2531	0.29	ug/L	90
11) 1,1-Dichloroethene	4.220	61	5037	0.35	ug/L	95
14) Iodomethane	4.379	142	2588	0.22	ug/L	88
19) trans-1,2-Dichloroethene	5.007	61	6564	0.47	ug/L	92
25) 1,1-Dichloroethane	5.659	63	10441	0.65	ug/L	97
29) cis-1,2-Dichloroethene	6.214	96	182368	25.89	ug/L	98
32) Cyclohexane	6.452	56	4381	0.25	ug/L #	86
38) 1,1,1-Trichloroethane	6.726	97	17153	1.33	ug/L	93
48) Trichloroethene	7.659	95	85981	12.26	ug/L	97
49) Methylcyclohexane	7.665	83	5102	0.40	ug/L #	87
62) Tetrachloroethene	9.500	166	342563	47.75	ug/L	92
77) Isopropylbenzene	11.579	105	10865	0.36	ug/L	87
81) n-Propylbenzene	12.018	91	13702	0.40	ug/L	73
91) tert-Butylbenzene	12.566	91	5623	0.35	ug/L #	65
94) sec-Butylbenzene	12.761	105	14806	0.45	ug/L	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

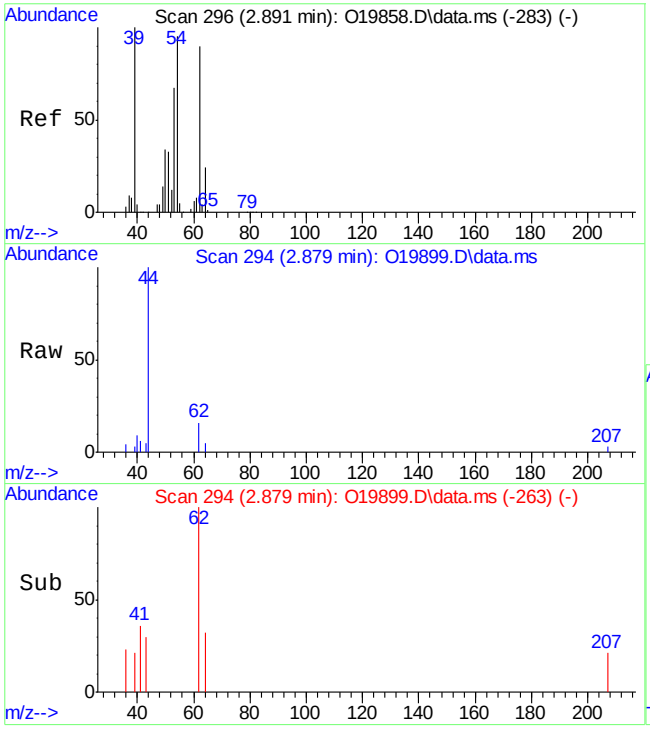
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19899.D
Acq On : 1 Nov 2013 11:37 am
Operator : melissam
Sample : FA9297-10
Misc : MS25570,VO792,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 04 07:43:34 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



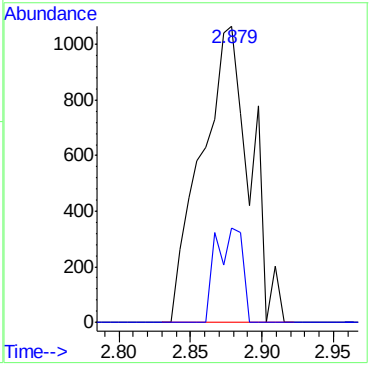
msoNCOXY103113.m Mon Nov 04 08:58:51 2013 Page: 2

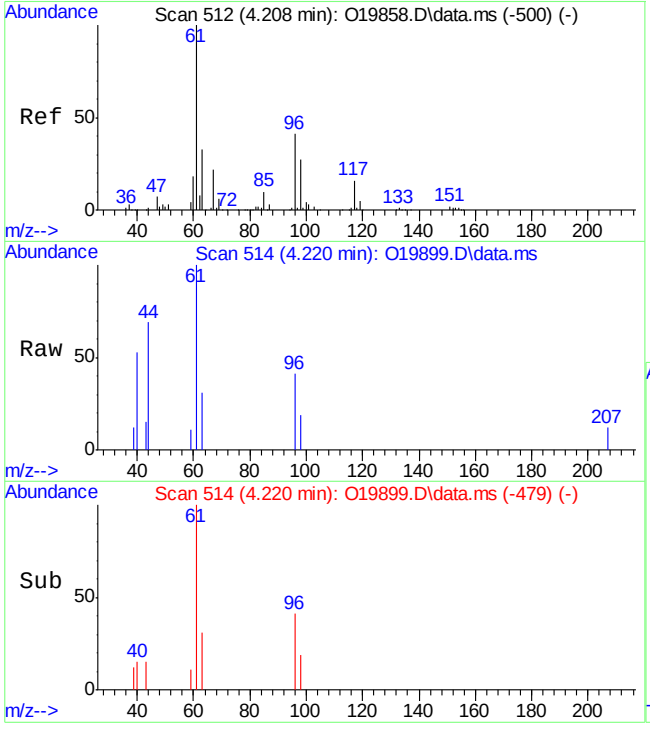


#5
Vinyl Chloride
Concen: 0.29 ug/L
RT: 2.879 min Scan# 294
Delta R.T. -0.012 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion: 62 Resp: 2531

Ion	Ratio	Lower	Upper
62	100		
64	31.7	0.0	56.8

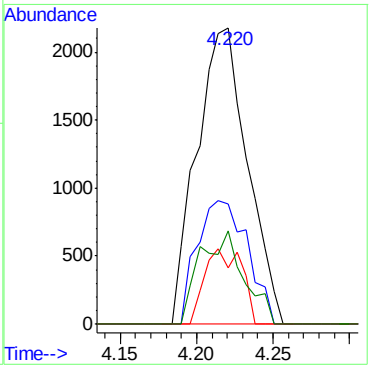


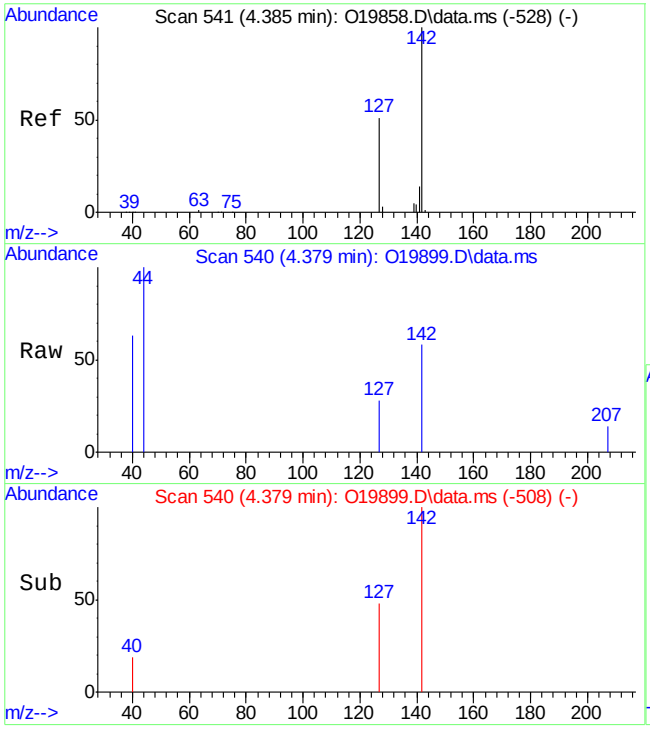


#11
1,1-Dichloroethene
Concen: 0.35 ug/L
RT: 4.220 min Scan# 514
Delta R.T. 0.012 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion: 61 Resp: 5037

Ion	Ratio	Lower	Upper
61	100		
96	40.6	10.9	70.9
98	19.1	0.0	57.1
63	31.4	2.6	62.6

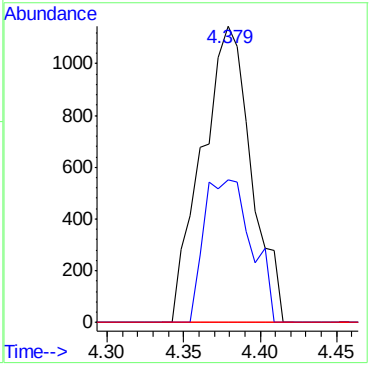


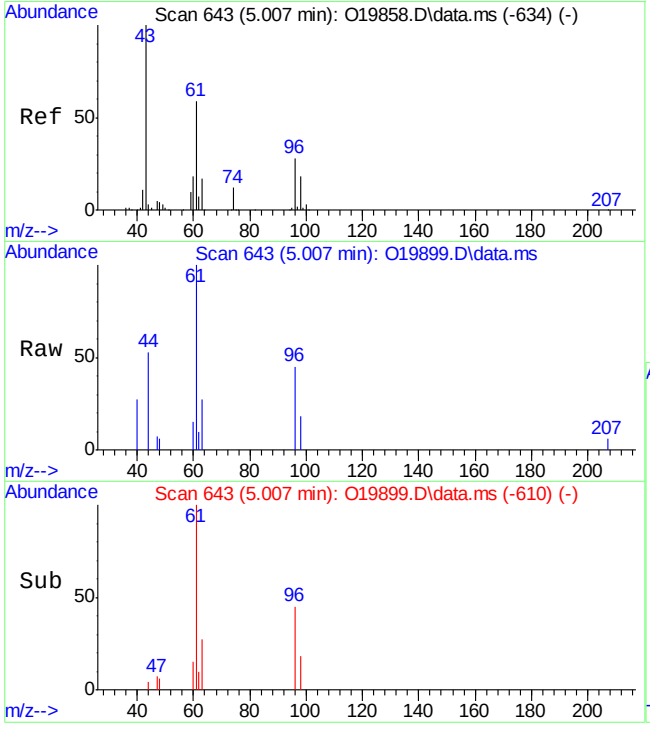


#14
Iodomethane
Concen: 0.22 ug/L
RT: 4.379 min Scan# 540
Delta R.T. -0.006 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion:142 Resp: 2588

Ion	Ratio	Lower	Upper
142	100		
127	48.0	31.5	71.5
141	0.0	0.0	34.4

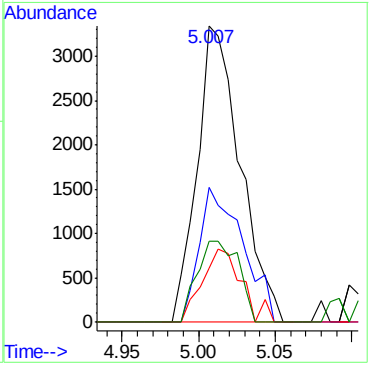


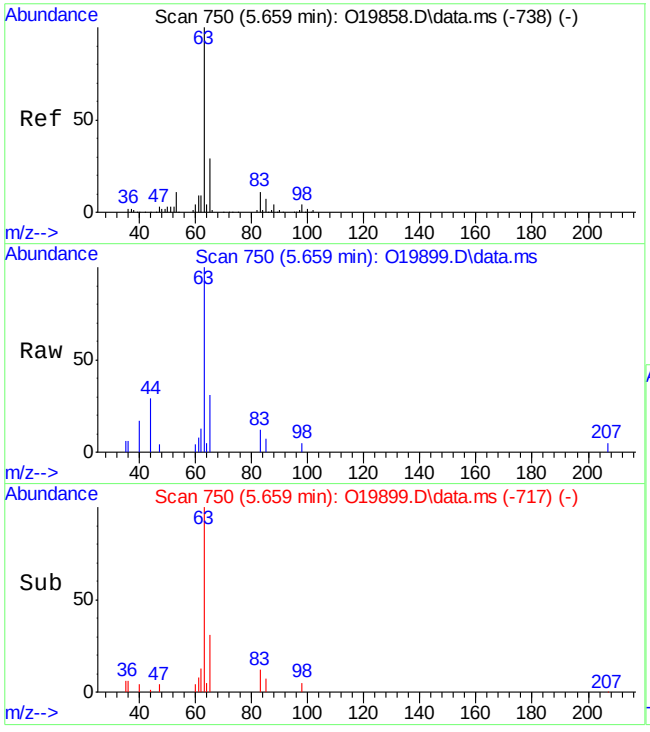


#19
trans-1,2-Dichloroethene
Concen: 0.47 ug/L
RT: 5.007 min Scan# 643
Delta R.T. 0.000 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion: 61 Resp: 6564

Ion	Ratio	Lower	Upper
61	100		
96	45.3	16.6	76.6
98	18.2	0.0	59.8
63	27.1	0.0	59.1

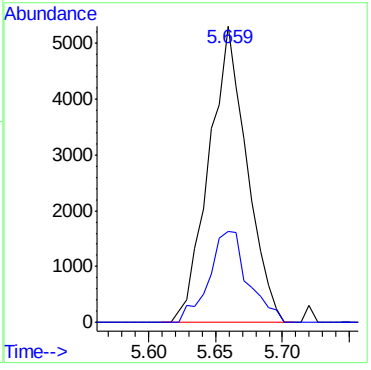


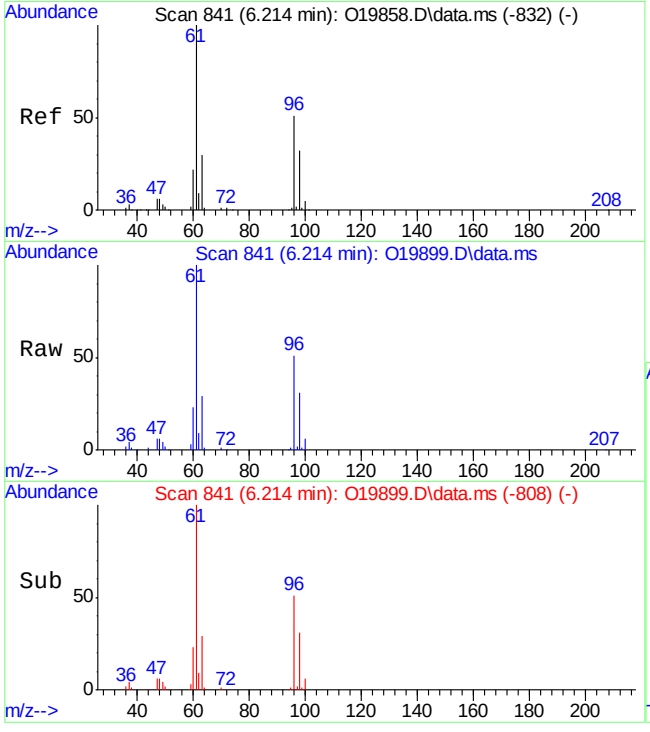


#25
1,1-Dichloroethane
Concen: 0.65 ug/L
RT: 5.659 min Scan# 750
Delta R.T. 0.000 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion: 63 Resp: 10441

Ion	Ratio	Lower	Upper
63	100		
65	30.6	0.0	58.8

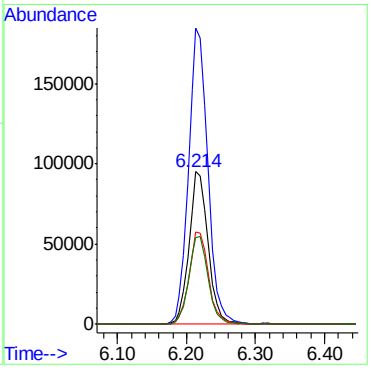


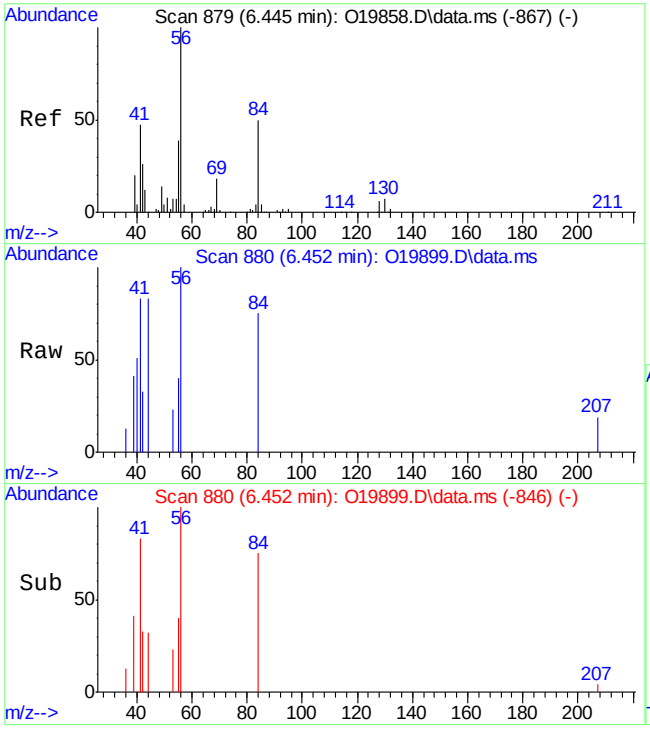


#29
cis-1,2-Dichloroethene
Concen: 25.89 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion: 96 Resp: 182368

Ion	Ratio	Lower	Upper
96	100		
61	194.4	166.6	226.6
98	60.2	33.5	93.5
63	56.9	28.5	88.5

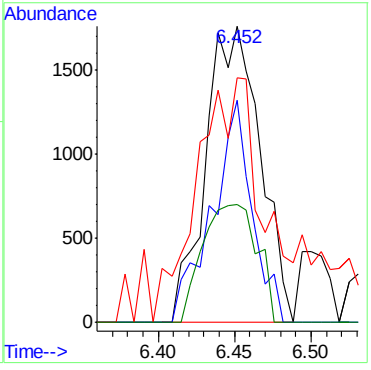


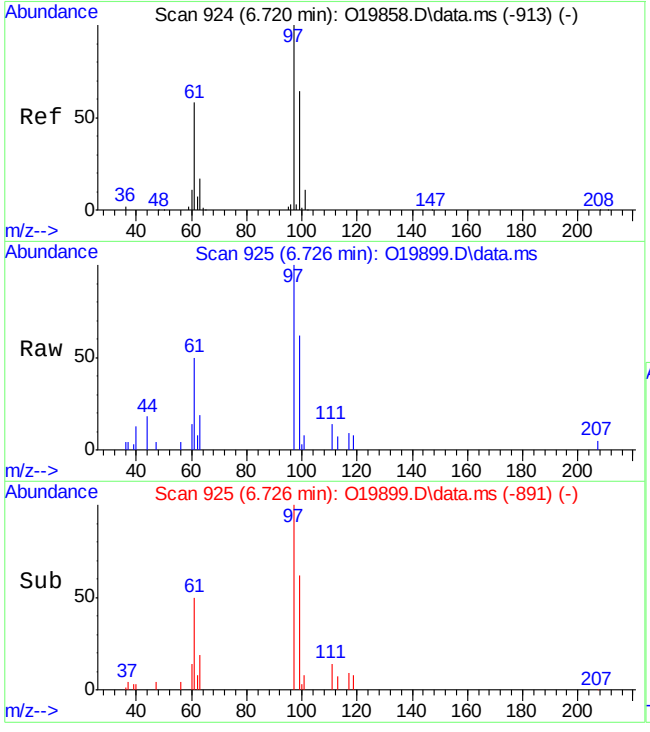


#32
Cyclohexane
Concen: 0.25 ug/L
RT: 6.452 min Scan# 880
Delta R.T. 0.006 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion: 56 Resp: 4381

Ion	Ratio	Lower	Upper
56	100		
84	75.2	30.4	70.4#
41	64.2	41.2	81.2
55	39.7	18.9	58.9

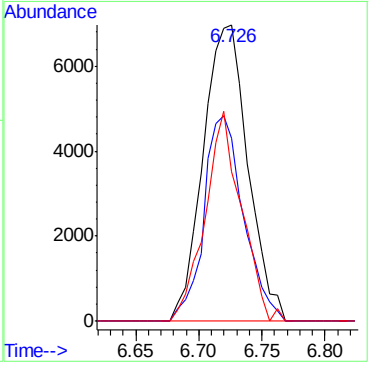


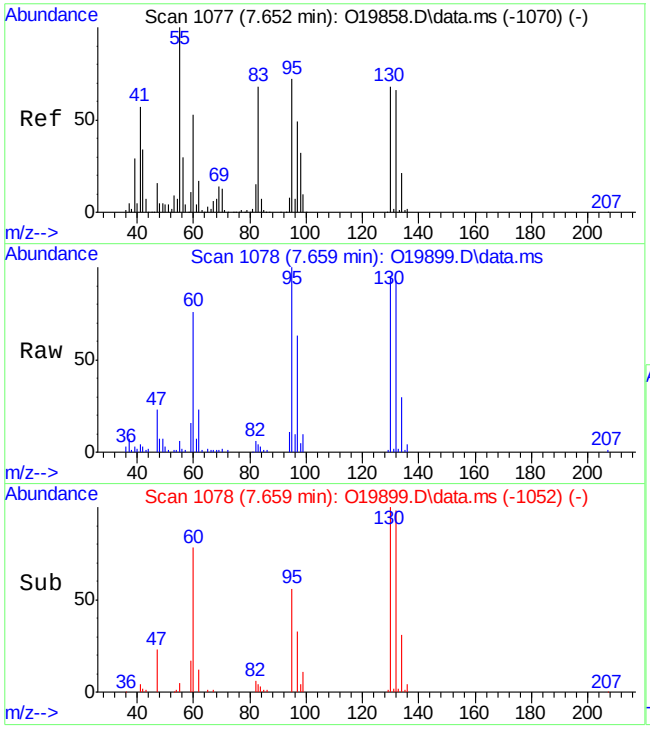


#38
1,1,1-Trichloroethane
Concen: 1.33 ug/L
RT: 6.726 min Scan# 925
Delta R.T. 0.006 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion: 97 Resp: 17153

Ion	Ratio	Lower	Upper
97	100		
99	61.9	34.3	94.3
61	50.4	28.2	88.2

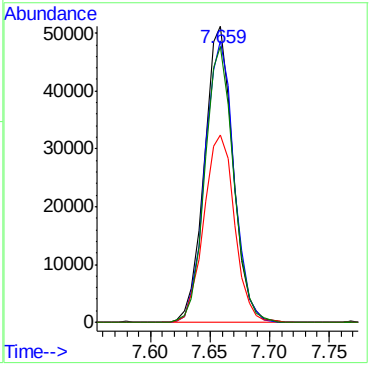


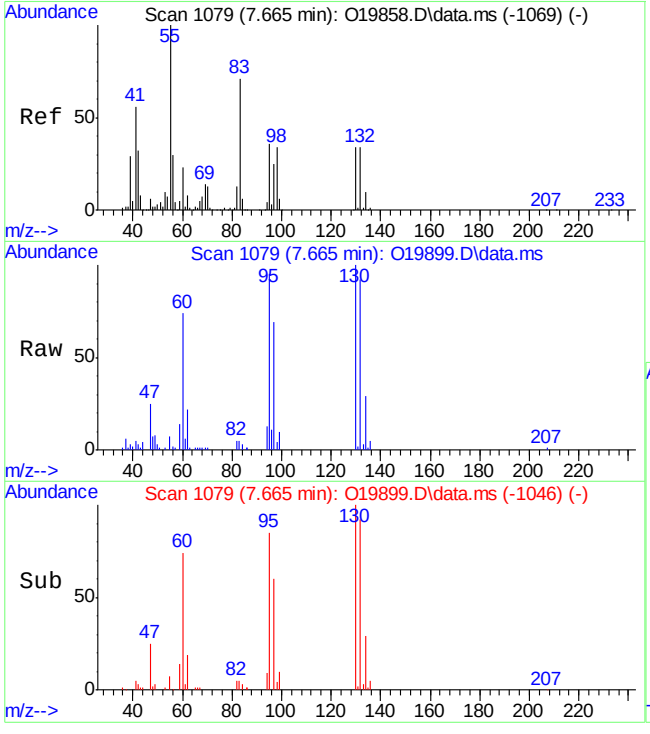


#48
Trichloroethene
Concen: 12.26 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion: 95 Resp: 85981

Ion	Ratio	Lower	Upper
95	100		
130	94.9	63.6	123.6
97	63.1	38.1	98.1
132	93.2	60.7	120.7

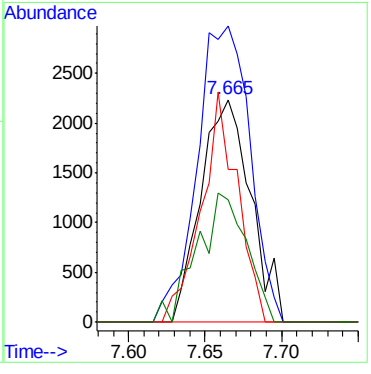


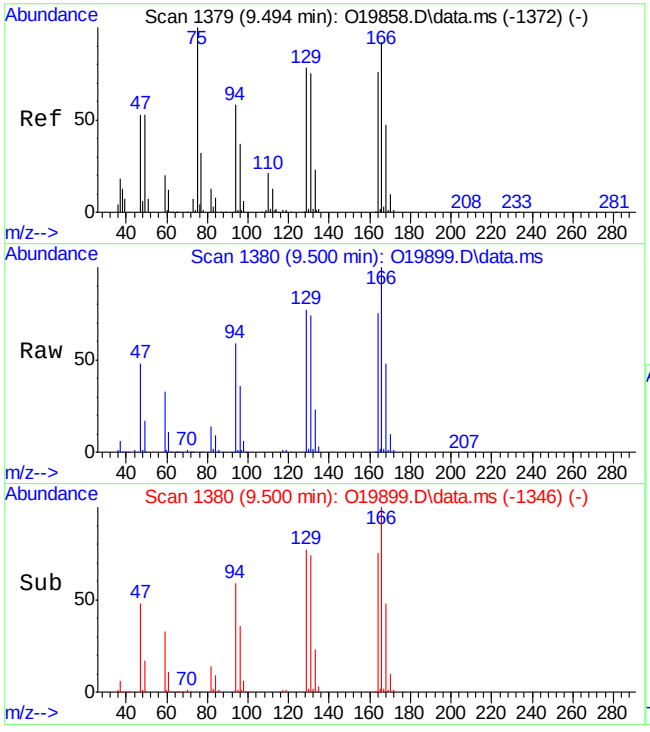


#49
Methylcyclohexane
Concen: 0.40 ug/L
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion: 83 Resp: 5102

Ion	Ratio	Lower	Upper
83	100		
55	133.3	120.5	160.5
98	68.8	27.6	67.6#
42	55.2	25.2	65.2

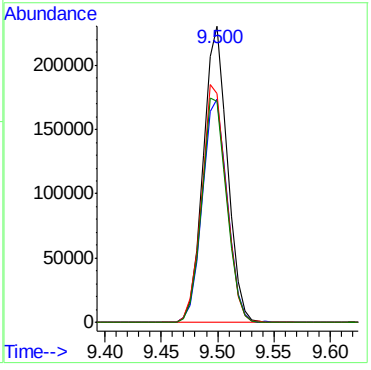


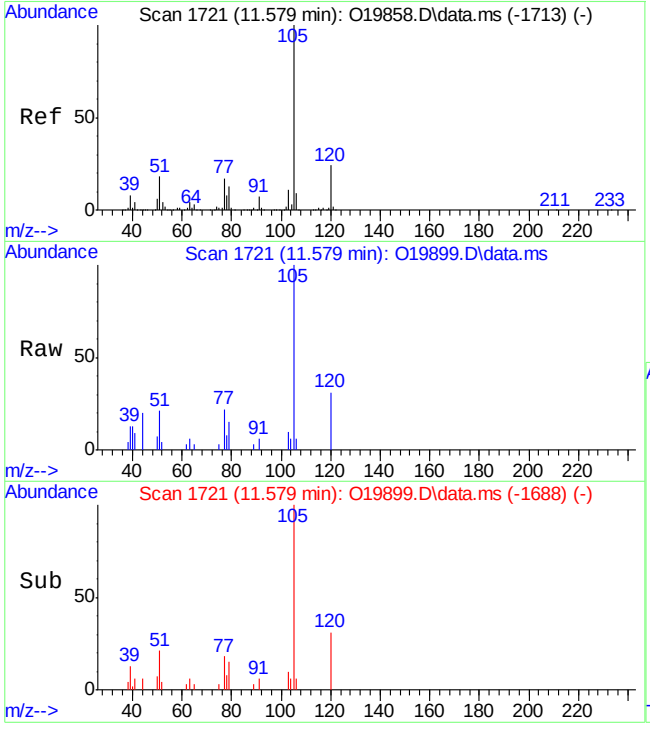


#62
Tetrachloroethene
Concen: 47.75 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion:166 Resp: 342563

Ion	Ratio	Lower	Upper
166	100		
164	75.4	52.5	112.5
129	77.1	54.4	114.4
131	74.5	51.5	111.5

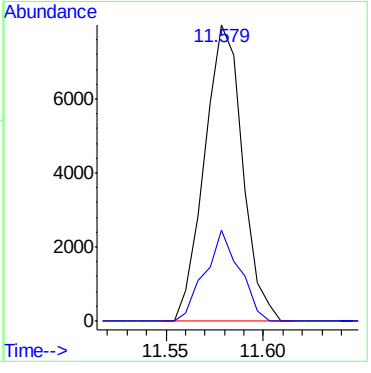


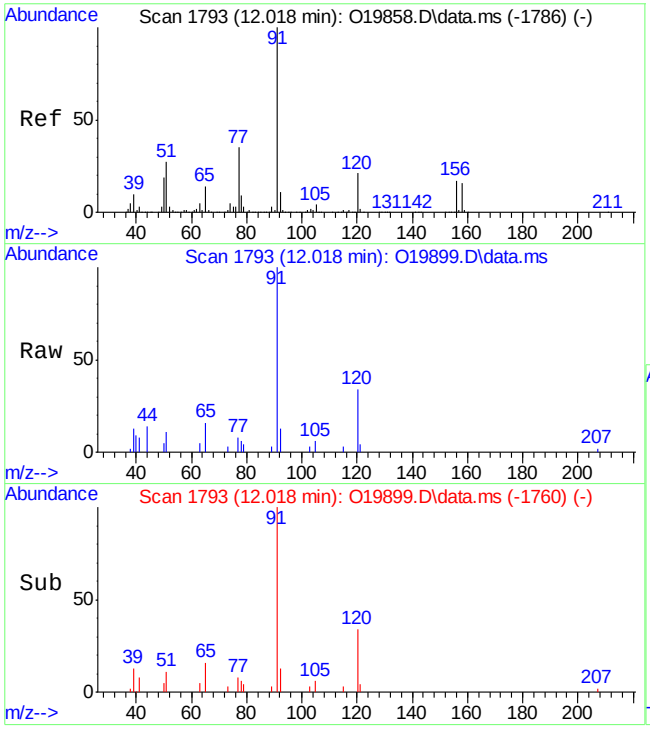


#77
Isopropylbenzene
Concen: 0.36 ug/L
RT: 11.579 min Scan# 1721
Delta R.T. 0.000 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion:105 Resp: 10865

Ion	Ratio	Lower	Upper
105	100		
120	30.8	0.0	54.5

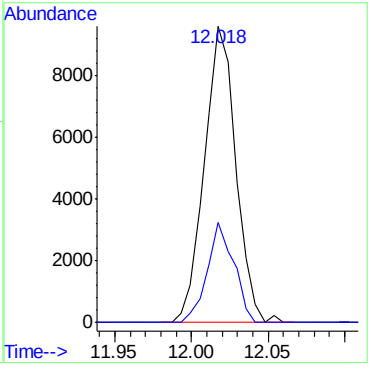


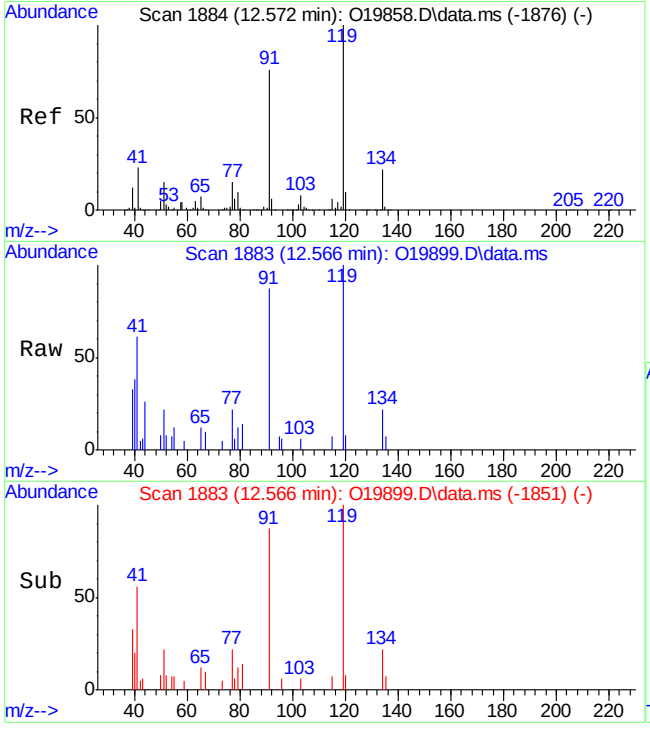


#81
n-Propylbenzene
Concen: 0.40 ug/L
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion: 91 Resp: 13702

Ion	Ratio	Lower	Upper
91	100		
120	33.8	0.0	51.3

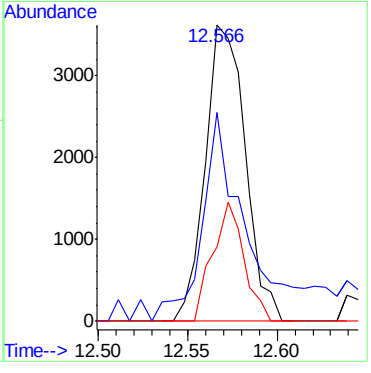


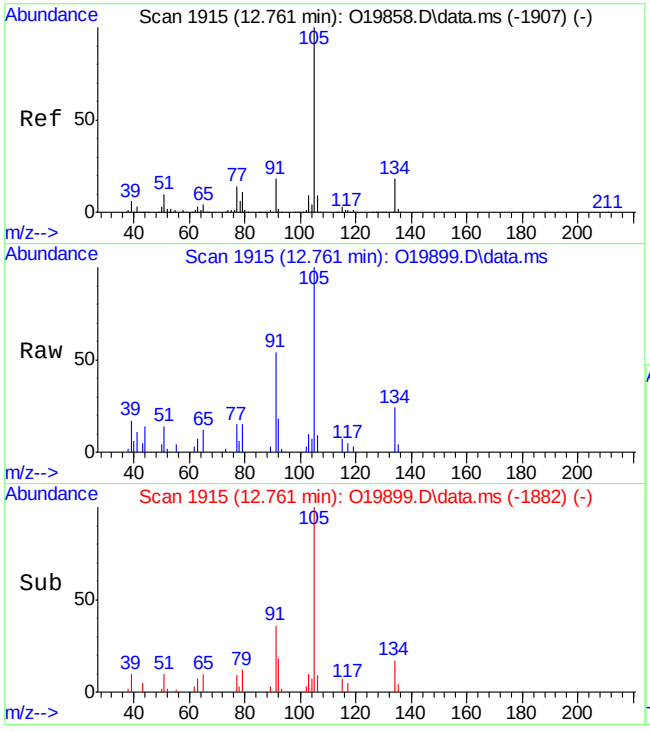


#91
tert-Butylbenzene
Concen: 0.35 ug/L
RT: 12.566 min Scan# 1883
Delta R.T. -0.006 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion: 91 Resp: 5623

Ion	Ratio	Lower	Upper
91	100		
41	64.2	0.5	60.5#
134	25.1	0.0	59.2

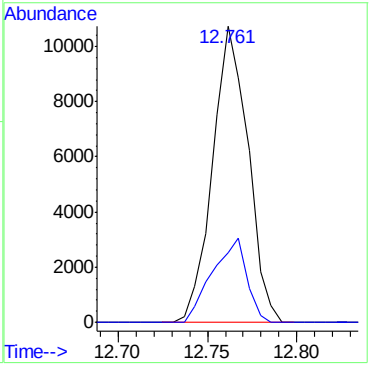




#94
sec-Butylbenzene
Concen: 0.45 ug/L
RT: 12.761 min Scan# 1915
Delta R.T. 0.000 min
Lab File: O19899.D
Acq: 1 Nov 2013 11:37 am

Tgt Ion:105 Resp: 14806

Ion	Ratio	Lower	Upper
105	100		
134	23.6	0.0	47.7



7.1.11

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15260.D
Acq On : 31 Oct 2013 2:46 pm
Operator : WILFREDO
Sample : FA9297-11
Misc : ms25560,vi196,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 01 09:38:27 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

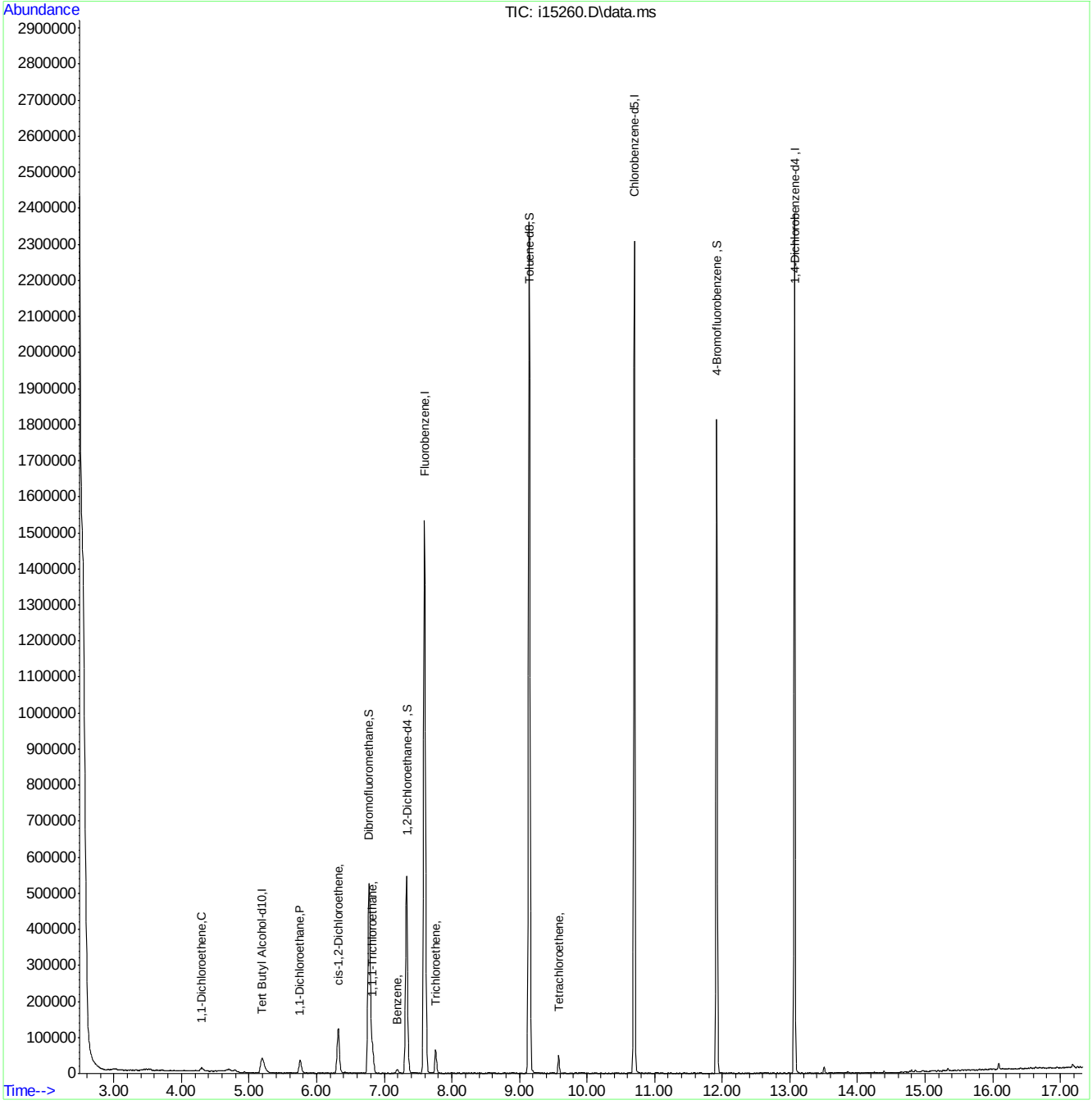
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1341619	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	998381	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	467994	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	86403	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	364140	47.88	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.76%			
44) 1,2-Dichloroethane-d4	7.334	65	424070	49.06	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.12%			
55) Toluene-d8	9.144	98	1324269	50.30	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.60%			
77) 4-Bromofluorobenzene	11.918	174	359714	49.35	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.70%			
Target Compounds						Qvalue
10) 1,1-Dichloroethene	4.298	61	7840	0.58	ug/L #	49
24) 1,1-Dichloroethane	5.755	63	49025	3.52	ug/L	84
28) cis-1,2-Dichloroethene	6.315	96	66799	8.61	ug/L	81
37) 1,1,1-Trichloroethane	6.821	97	59413	5.12	ug/L	86
42) Benzene	7.193	78	10213	0.35	ug/L	81
46) Trichloroethene	7.760	95	21498	2.69	ug/L #	71
60) Tetrachloroethene	9.583	166	11811	1.41	ug/L	88

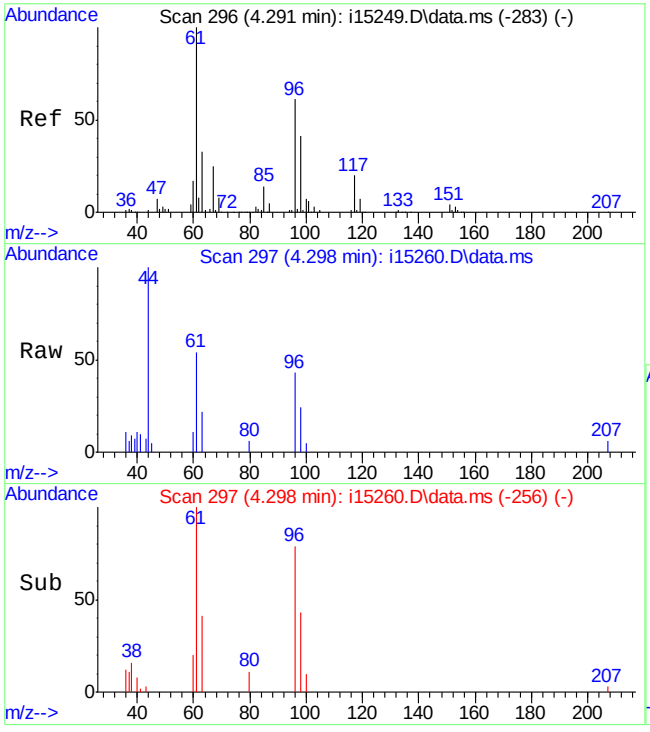
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15260.D
Acq On : 31 Oct 2013 2:46 pm
Operator : WILFREDO
Sample : FA9297-11
Misc : ms25560,vi196,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 01 09:38:27 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

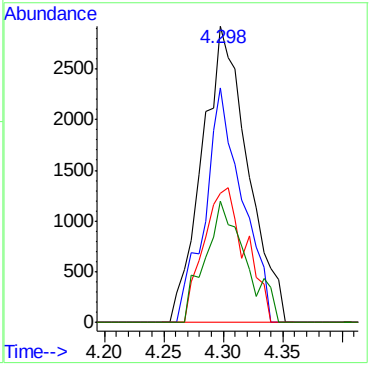


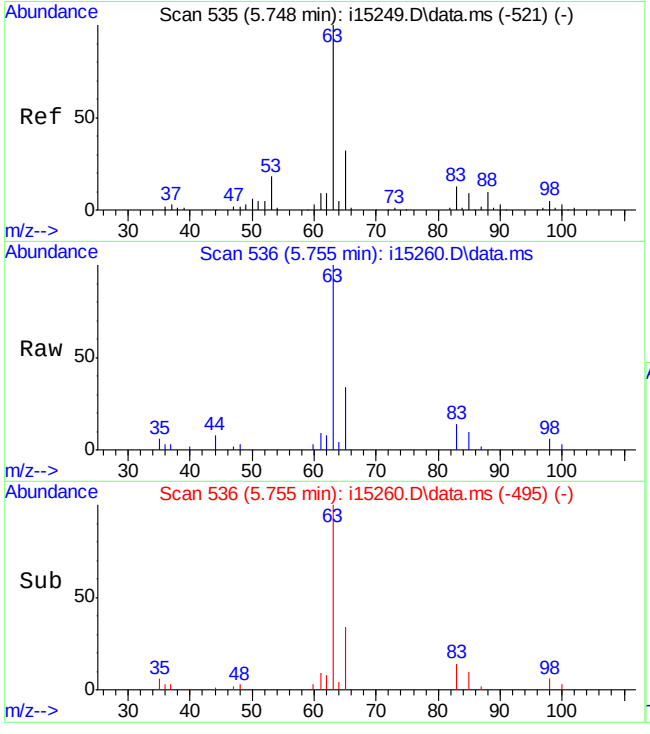


#10
1,1-Dichloroethene
Concen: 0.58 ug/L
RT: 4.298 min Scan# 297
Delta R.T. 0.001 min
Lab File: i15260.D
Acq: 31 Oct 2013 2:46 pm

Tgt Ion: 61 Resp: 7840

Ion	Ratio	Lower	Upper
61	100		
96	79.3	14.1	74.1#
98	43.5	0.0	54.1
63	40.9	0.0	45.2

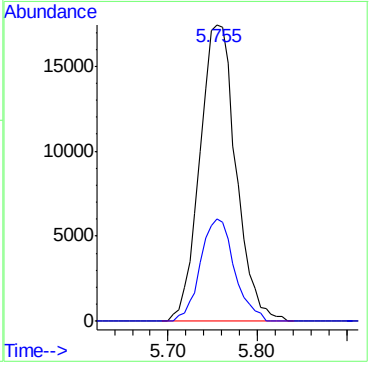


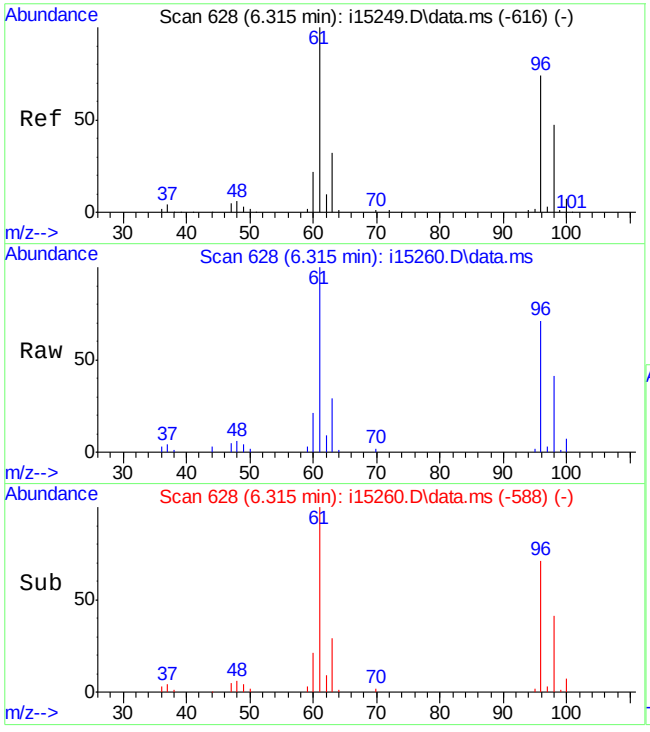


#24
1,1-Dichloroethane
Concen: 3.52 ug/L
RT: 5.755 min Scan# 536
Delta R.T. 0.001 min
Lab File: i15260.D
Acq: 31 Oct 2013 2:46 pm

Tgt Ion: 63 Resp: 49025

Ion	Ratio	Lower	Upper
63	100		
65	34.3	14.5	74.5

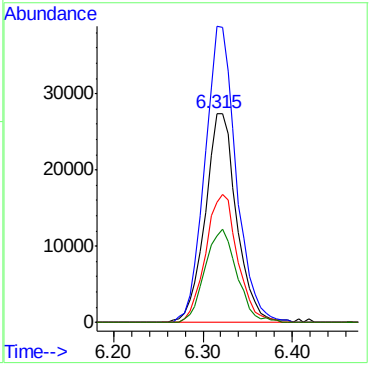


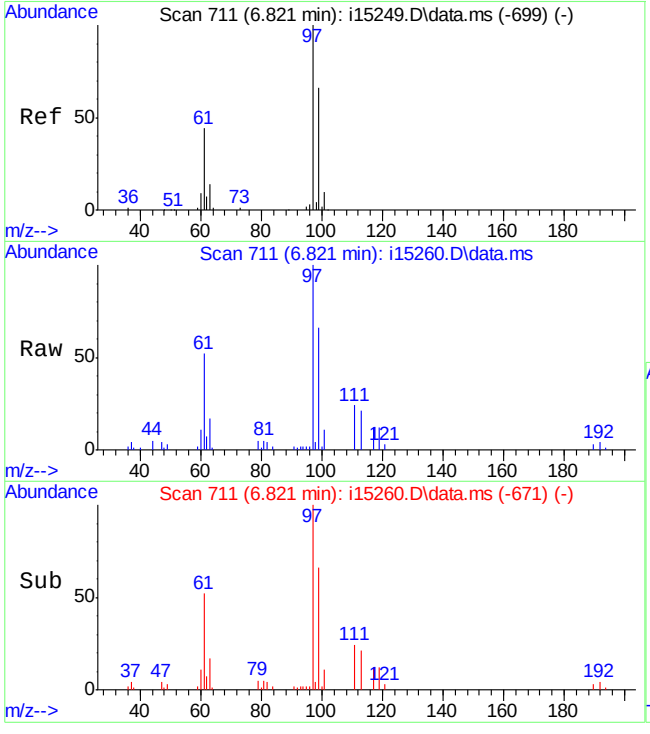


#28
cis-1,2-Dichloroethene
Concen: 8.61 ug/L
RT: 6.315 min Scan# 628
Delta R.T. -0.006 min
Lab File: i15260.D
Acq: 31 Oct 2013 2:46 pm

Tgt Ion: 96 Resp: 66799

Ion	Ratio	Lower	Upper
96	100		
61	141.7	86.5	146.5
98	57.5	17.7	77.7
63	41.4	4.7	64.7

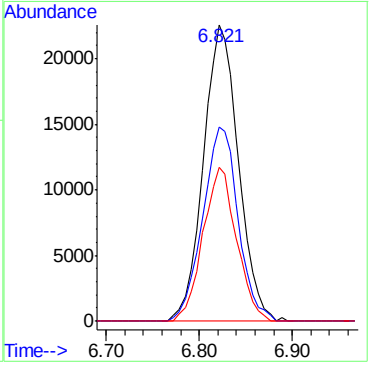


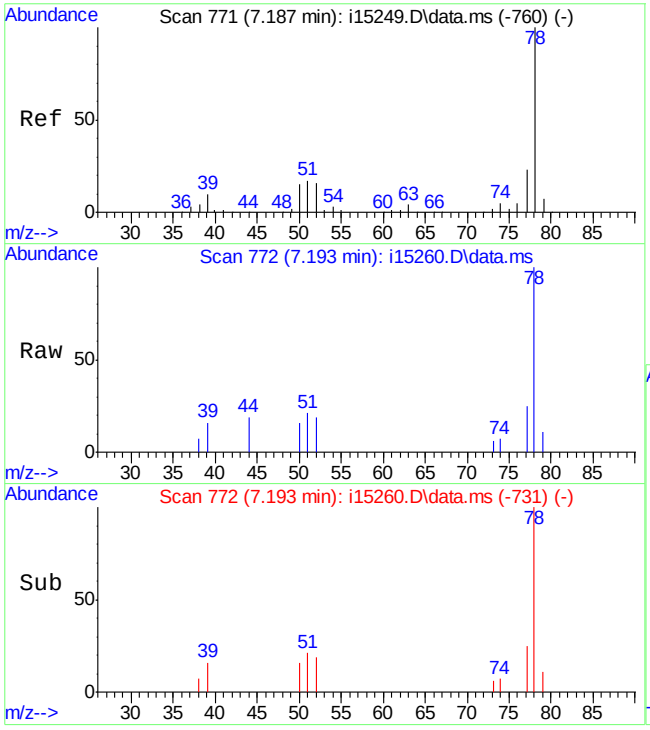


#37
1,1,1-Trichloroethane
Concen: 5.12 ug/L
RT: 6.821 min Scan# 711
Delta R.T. -0.006 min
Lab File: i15260.D
Acq: 31 Oct 2013 2:46 pm

Tgt Ion: 97 Resp: 59413

Ion	Ratio	Lower	Upper
97	100		
99	65.6	47.5	107.5
61	51.8	12.4	72.4

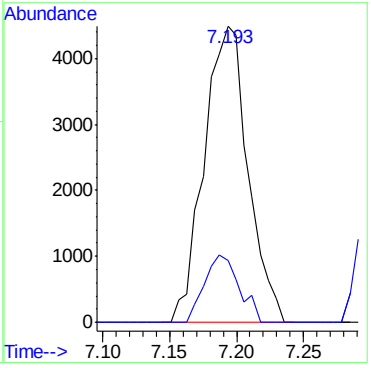


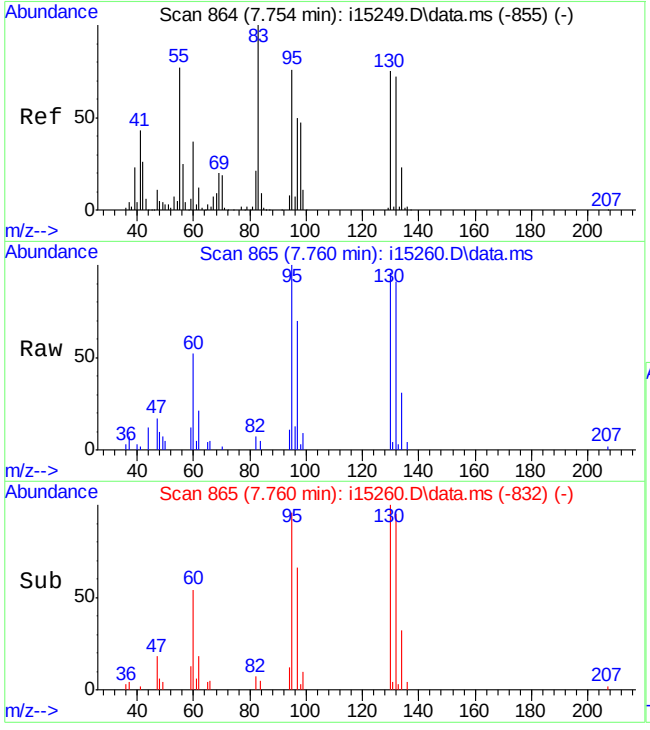


#42
Benzene
Concen: 0.35 ug/L
RT: 7.193 min Scan# 772
Delta R.T. 0.000 min
Lab File: i15260.D
Acq: 31 Oct 2013 2:46 pm

Tgt Ion: 78 Resp: 10213

Ion	Ratio	Lower	Upper
78	100		
51	21.0	1.4	61.4

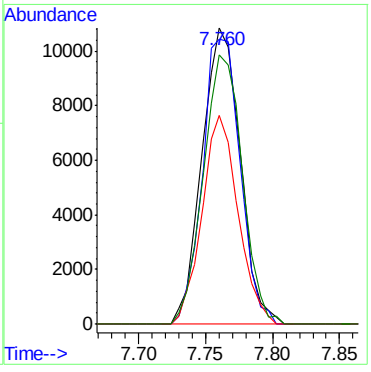


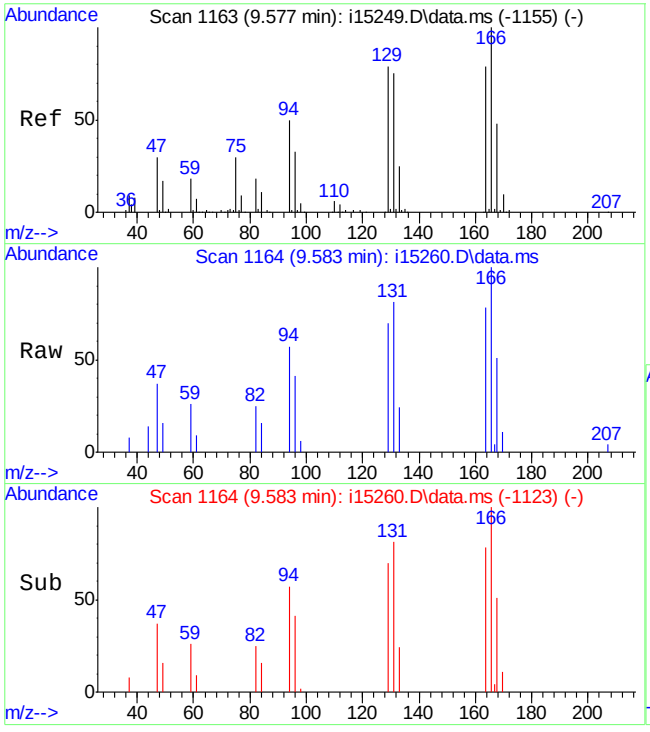


#46
Trichloroethene
Concen: 2.69 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15260.D
Acq: 31 Oct 2013 2:46 pm

Tgt Ion: 95 Resp: 21498

Ion	Ratio	Lower	Upper
95	100		
130	96.1	46.4	106.4
97	70.4	5.1	65.1#
132	91.1	44.1	104.1

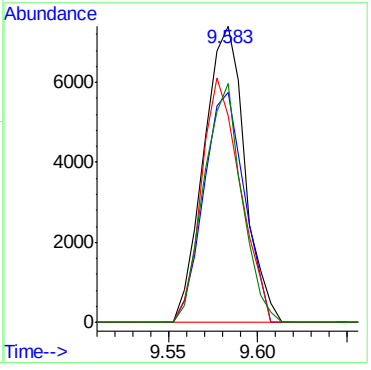




#60
Tetrachloroethene
Concen: 1.41 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. 0.000 min
Lab File: i15260.D
Acq: 31 Oct 2013 2:46 pm

Tgt Ion:166 Resp: 11811

Ion	Ratio	Lower	Upper
166	100		
164	74.9	29.5	89.5
129	67.3	43.7	103.7
131	78.1	39.3	99.3



7.1.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15261.D
Acq On : 31 Oct 2013 3:09 pm
Operator : WILFREDO
Sample : FA9297-12
Misc : ms25560,vi196,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 01 09:39:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1318219	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	974036	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	456713	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.187	65	90030	250.00	ug/L	-0.02
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	354015	47.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.74%			
44) 1,2-Dichloroethane-d4	7.327	65	419003	49.34	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.68%			
55) Toluene-d8	9.144	98	1297544	50.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.04%			
77) 4-Bromofluorobenzene	11.918	174	349783	49.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.34%			
Target Compounds						Qvalue
10) 1,1-Dichloroethene	4.316	61	4761	0.36	ug/L	65
28) cis-1,2-Dichloroethene	6.321	96	53924	7.07	ug/L	80
46) Trichloroethene	7.760	95	246406	31.43	ug/L	74
60) Tetrachloroethene	9.583	166	10304	1.26	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

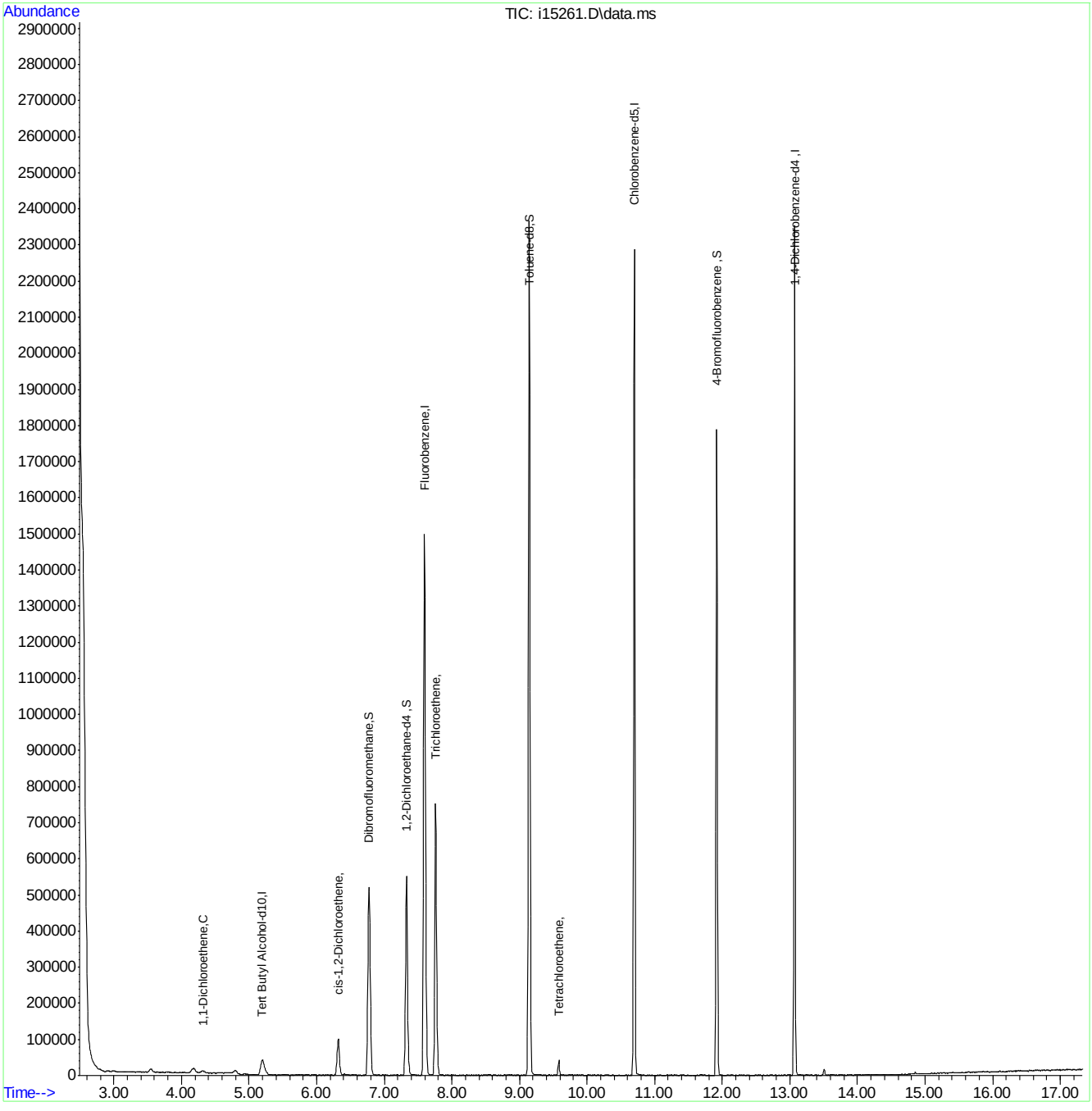
7.1.13

7

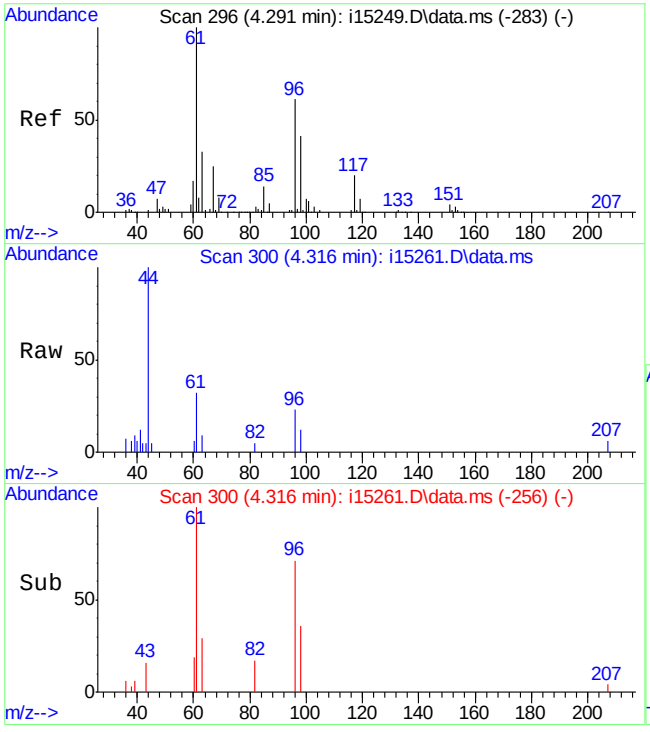
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15261.D
Acq On : 31 Oct 2013 3:09 pm
Operator : WILFREDO
Sample : FA9297-12
Misc : ms25560,vi196,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 01 09:39:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



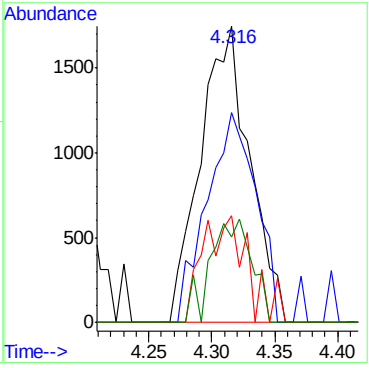
8260iapp.M Fri Nov 01 09:53:21 2013 Page: 2

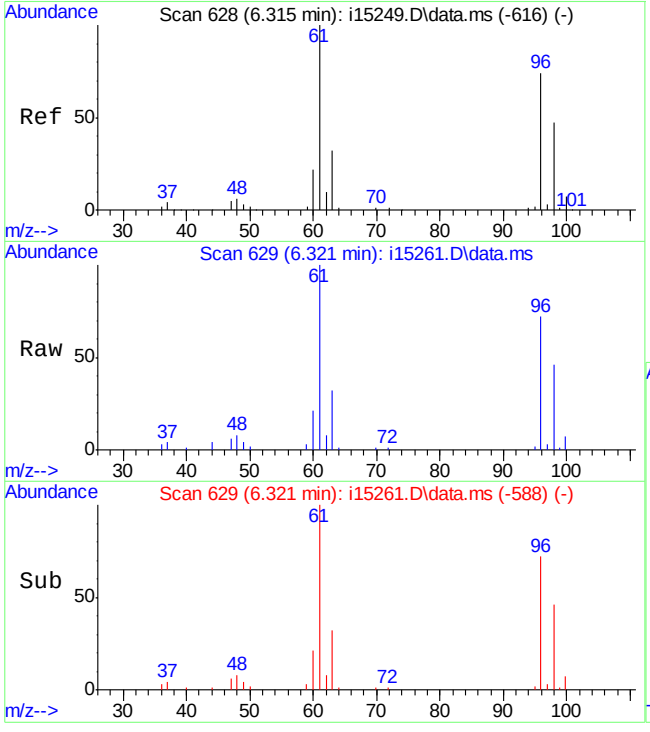


#10
1,1-Dichloroethene
Concen: 0.36 ug/L
RT: 4.316 min Scan# 300
Delta R.T. 0.019 min
Lab File: i15261.D
Acq: 31 Oct 2013 3:09 pm

Tgt Ion: 61 Resp: 4761

Ion	Ratio	Lower	Upper
61	100		
96	70.7	14.1	74.1
98	36.2	0.0	54.1
63	29.0	0.0	45.2

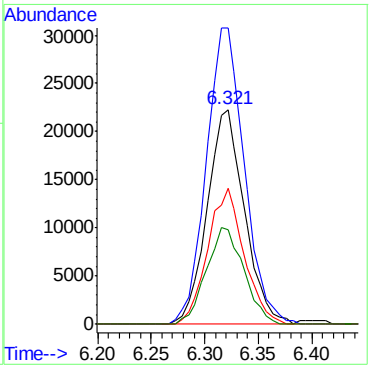


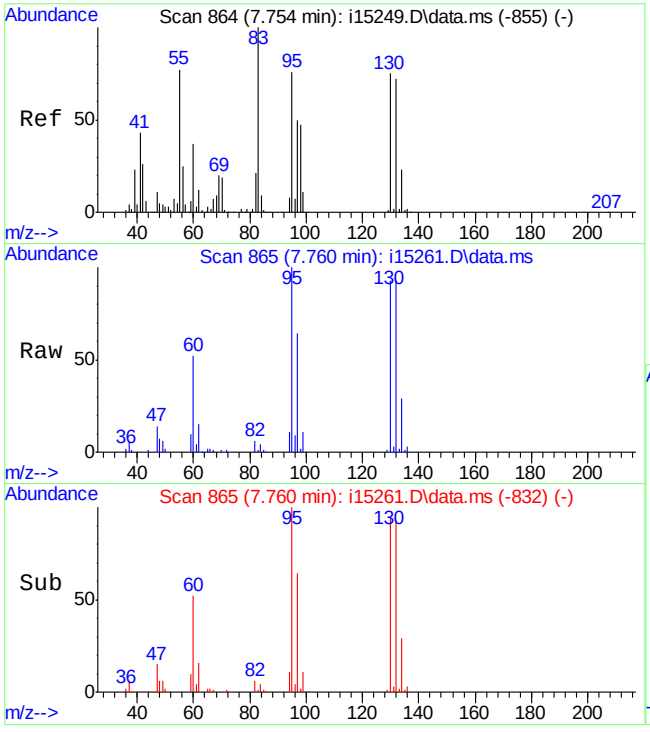


#28
cis-1,2-Dichloroethene
Concen: 7.07 ug/L
RT: 6.321 min Scan# 629
Delta R.T. 0.000 min
Lab File: i15261.D
Acq: 31 Oct 2013 3:09 pm

Tgt Ion: 96 Resp: 53924

Ion	Ratio	Lower	Upper
96	100		
61	138.0	86.5	146.5
98	63.0	17.7	77.7
63	44.1	4.7	64.7

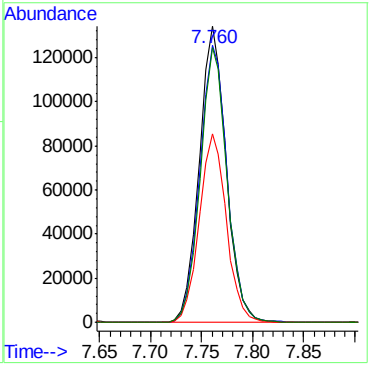


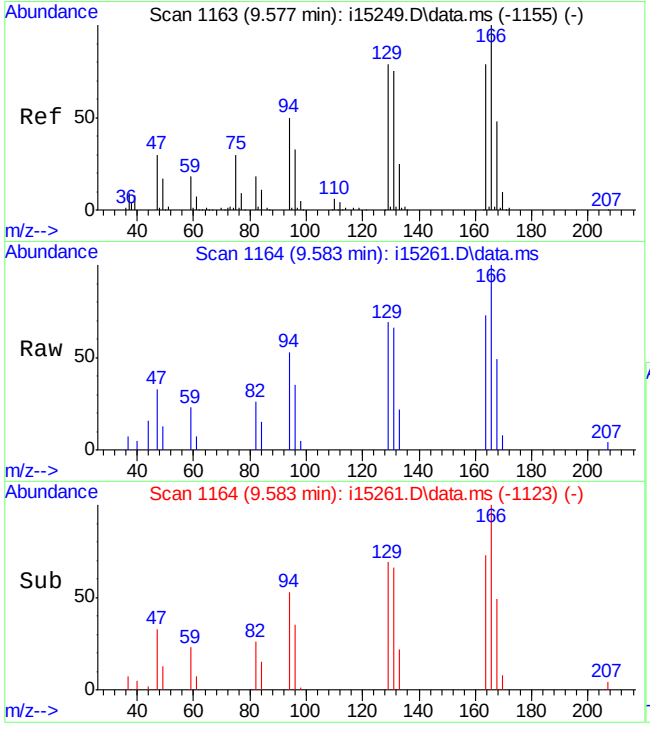


#46
Trichloroethene
Concen: 31.43 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15261.D
Acq: 31 Oct 2013 3:09 pm

Tgt Ion: 95 Resp: 246406

Ion	Ratio	Lower	Upper
95	100		
130	93.4	46.4	106.4
97	63.8	5.1	65.1
132	92.6	44.1	104.1

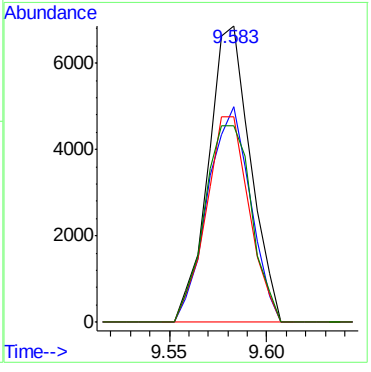




#60
Tetrachloroethene
Concen: 1.26 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. -0.000 min
Lab File: i15261.D
Acq: 31 Oct 2013 3:09 pm

Tgt Ion:166 Resp: 10304

Ion	Ratio	Lower	Upper
166	100		
164	72.9	29.5	89.5
129	69.4	43.7	103.7
131	66.4	39.3	99.3



Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15262.D
Acq On : 31 Oct 2013 3:33 pm
Operator : WILFREDO
Sample : FA9297-13
Misc : ms25560,vi196,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 01 09:40:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.595	96	1308304	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	967597	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	448759	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.193	65	76097	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.779	113	359172	48.42	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.84%			
44) 1,2-Dichloroethane-d4	7.327	65	416488	49.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.82%			
55) Toluene-d8	9.144	98	1293428	50.69	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.38%			
77) 4-Bromofluorobenzene	11.918	174	344807	49.33	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.66%			
Target Compounds						Qvalue
4) Vinyl Chloride	3.011	62	5327	0.44	ug/L	72
7) Trichlorofluoromethane	3.724	101	8501m	0.46	ug/L	
10) 1,1-Dichloroethene	4.303	61	4539	0.34	ug/L	69
24) 1,1-Dichloroethane	5.754	63	3273	0.24	ug/L	93
28) cis-1,2-Dichloroethene	6.321	96	259026	34.24	ug/L	80
46) Trichloroethene	7.760	95	1220598	156.88	ug/L	70
60) Tetrachloroethene	9.583	166	34459	4.25	ug/L	92

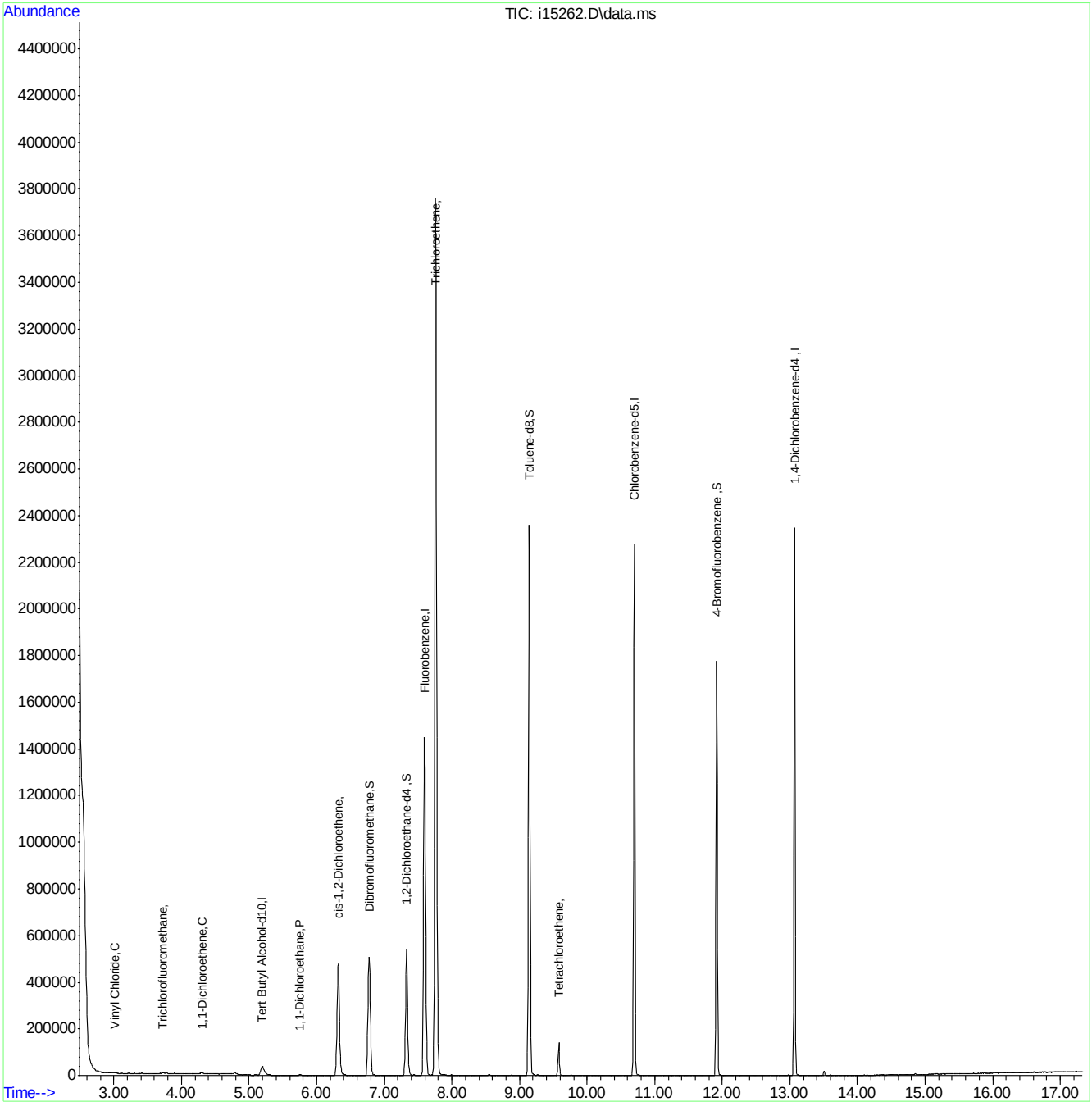
(#) = qualifier out of range (m) = manual integration (+) = signals summed

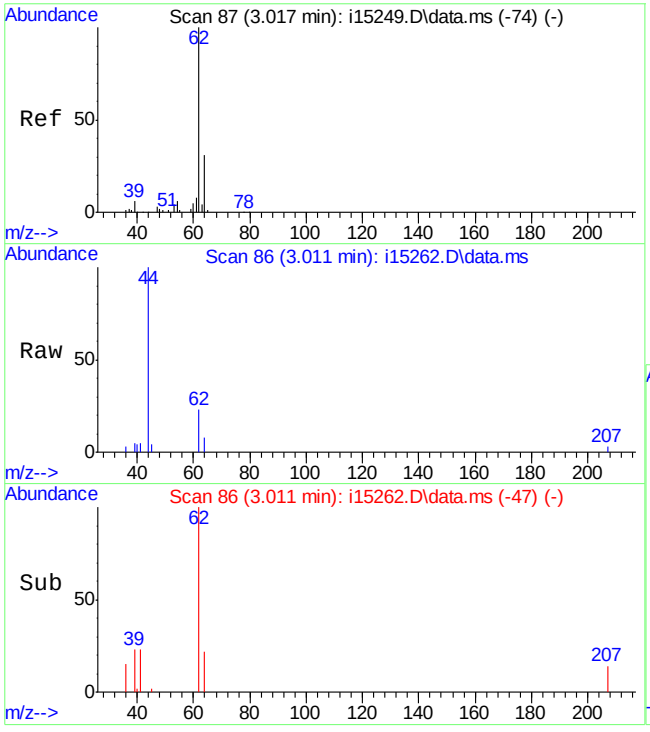
7.1.14
7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15262.D
Acq On : 31 Oct 2013 3:33 pm
Operator : WILFREDO
Sample : FA9297-13
Misc : ms25560,vi196,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 01 09:40:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

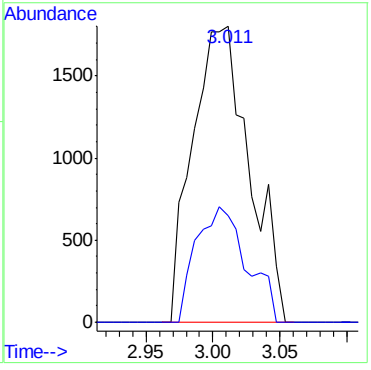


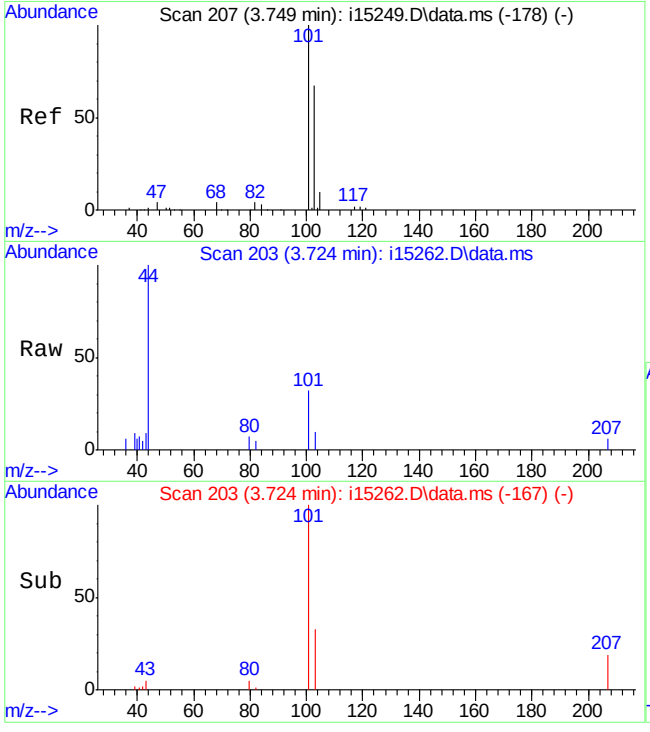


#4
Vinyl Chloride
Concen: 0.44 ug/L
RT: 3.011 min Scan# 86
Delta R.T. -0.012 min
Lab File: i15262.D
Acq: 31 Oct 2013 3:33 pm

Tgt Ion: 62 Resp: 5327

Ion	Ratio	Lower	Upper
62	100		
64	36.0	0.0	52.4

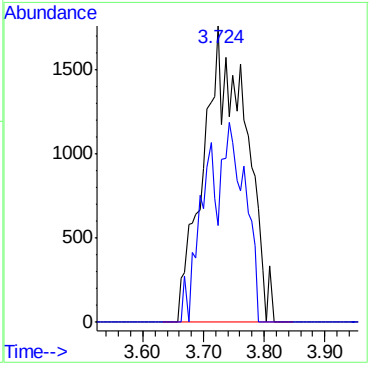


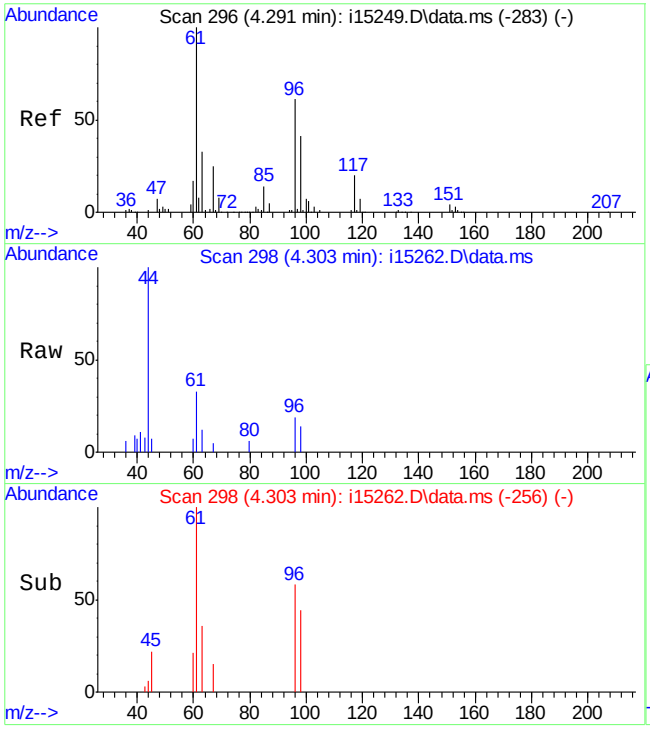


#7
Trichlorofluoromethane
Concen: 0.46 ug/L m
RT: 3.724 min Scan# 203
Delta R.T. -0.031 min
Lab File: i15262.D
Acq: 31 Oct 2013 3:33 pm

Tgt Ion:101 Resp: 8501

Ion	Ratio	Lower	Upper
101	100		
103	32.7	13.3	73.3

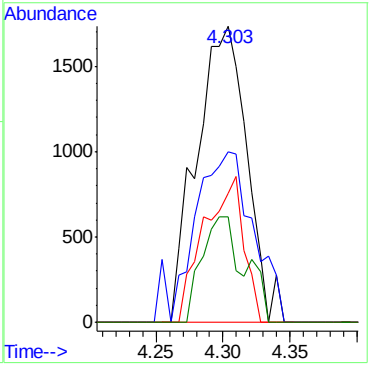


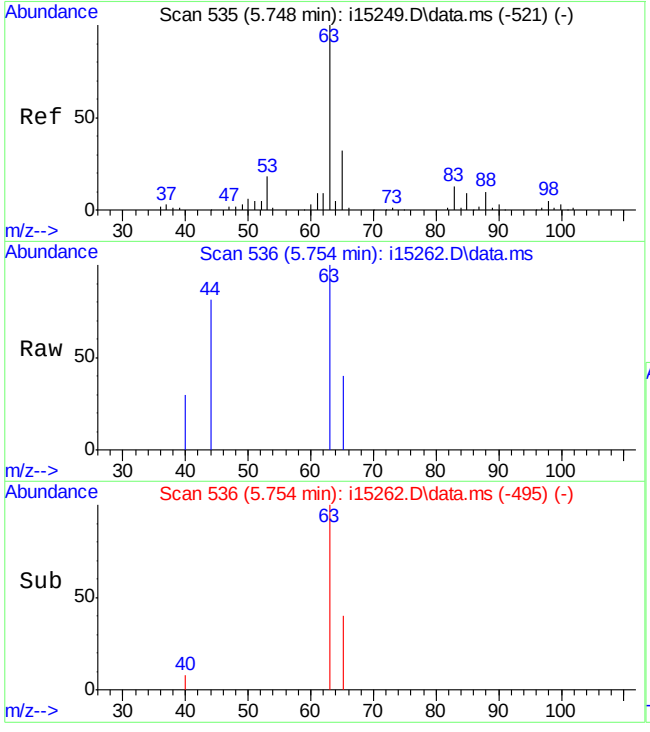


#10
1,1-Dichloroethene
Concen: 0.34 ug/L
RT: 4.303 min Scan# 298
Delta R.T. 0.006 min
Lab File: i15262.D
Acq: 31 Oct 2013 3:33 pm

Tgt Ion: 61 Resp: 4539

Ion	Ratio	Lower	Upper
61	100		
96	57.6	14.1	74.1
98	43.7	0.0	54.1
63	35.7	0.0	45.2

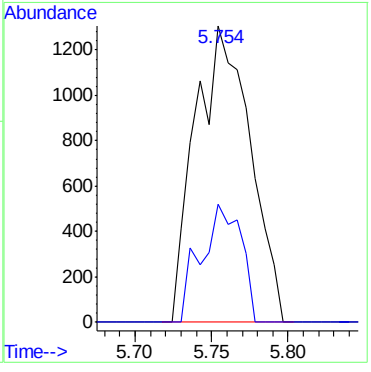




#24
1,1-Dichloroethane
Concen: 0.24 ug/L
RT: 5.754 min Scan# 536
Delta R.T. 0.000 min
Lab File: i15262.D
Acq: 31 Oct 2013 3:33 pm

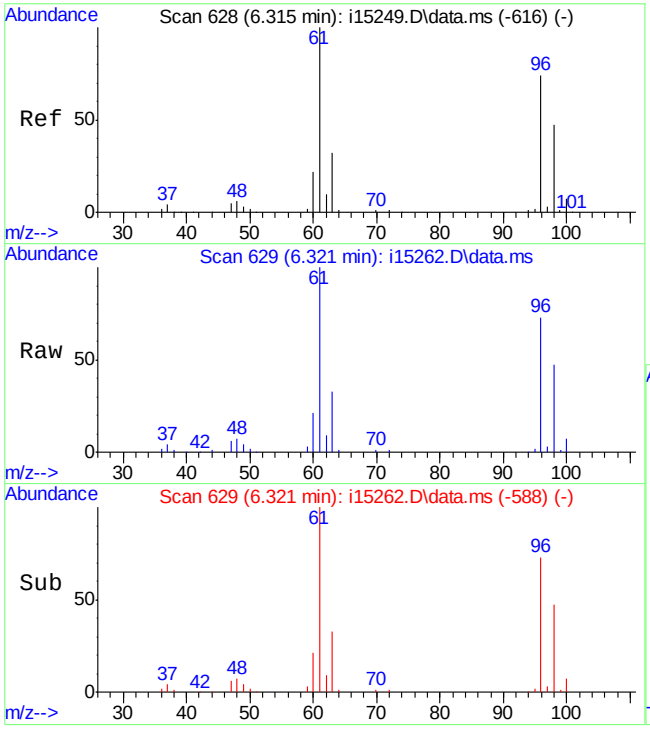
Tgt Ion: 63 Resp: 3273

Ion	Ratio	Lower	Upper
63	100		
65	40.0	14.5	74.5



7.1.14

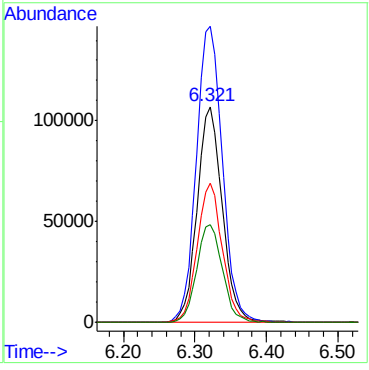
7

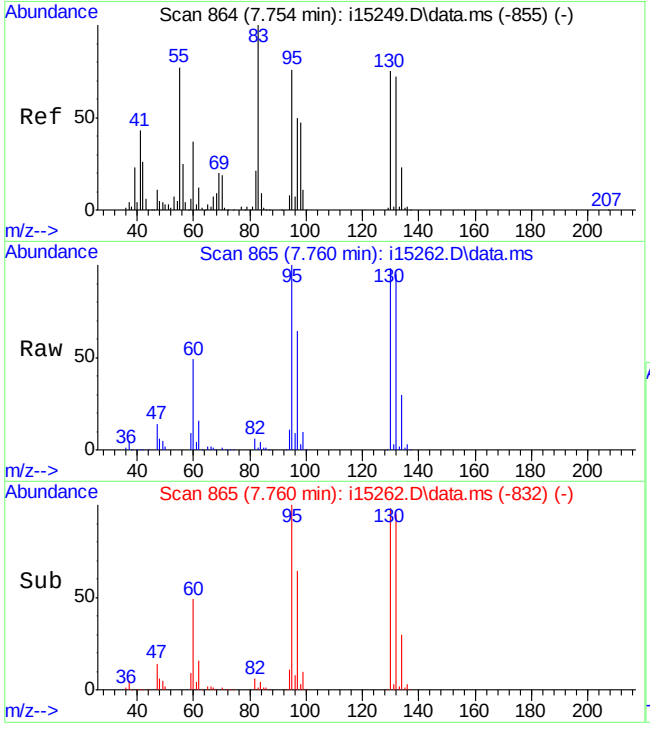


#28
cis-1,2-Dichloroethene
Concen: 34.24 ug/L
RT: 6.321 min Scan# 629
Delta R.T. 0.000 min
Lab File: i15262.D
Acq: 31 Oct 2013 3:33 pm

Tgt Ion: 96 Resp: 259026

Ion	Ratio	Lower	Upper
96	100		
61	137.1	86.5	146.5
98	64.2	17.7	77.7
63	45.3	4.7	64.7

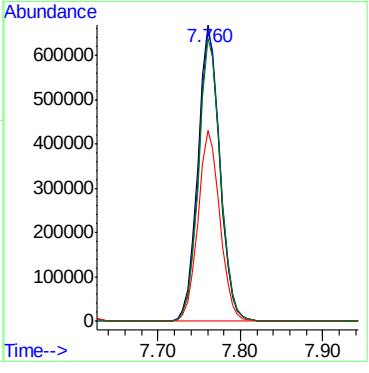


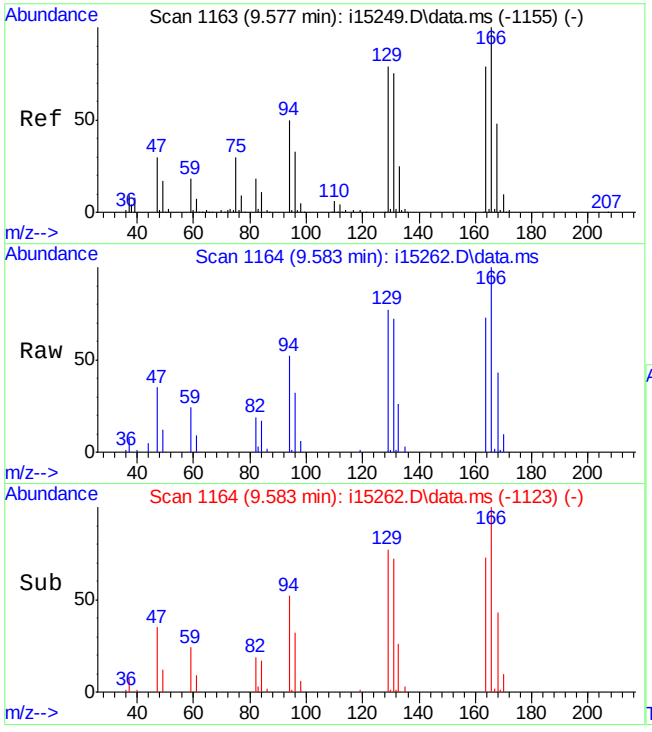


#46
Trichloroethene
Concen: 156.88 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15262.D
Acq: 31 Oct 2013 3:33 pm

Tgt Ion: 95 Resp: 1220598

Ion	Ratio	Lower	Upper
95	100		
130	98.2	46.4	106.4
97	64.3	5.1	65.1
132	95.4	44.1	104.1

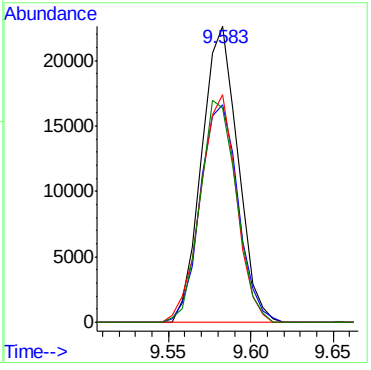




#60
Tetrachloroethene
Concen: 4.25 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. -0.000 min
Lab File: i15262.D
Acq: 31 Oct 2013 3:33 pm

Tgt Ion:166 Resp: 34459

Ion	Ratio	Lower	Upper
166	100		
164	73.4	29.5	89.5
129	77.0	43.7	103.7
131	72.4	39.3	99.3



7.1.14

7

Manual Integration Approval Summary

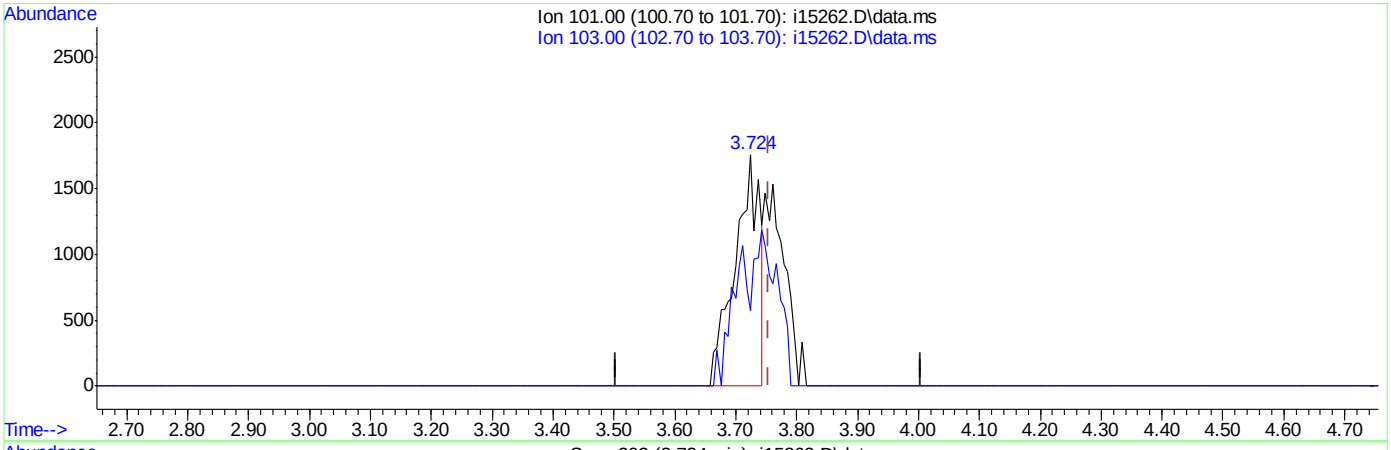
Sample Number:	FA9297-13	**Method:**	SW846 8260B
Lab FileID:	I15262.D	**Analyst approved:**	11/01/13 13:46 Wilfredo Vazquez
Injection Time:	10/31/13 15:33	**Supervisor approved:**	11/01/13 15:21 Juan Garcia

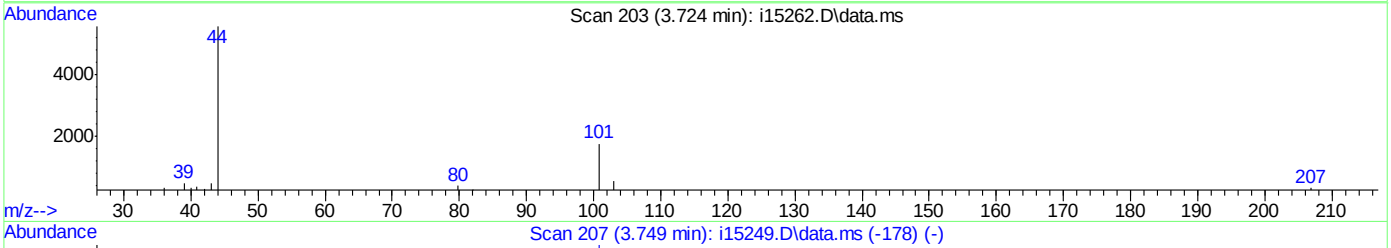
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.72	Split peak

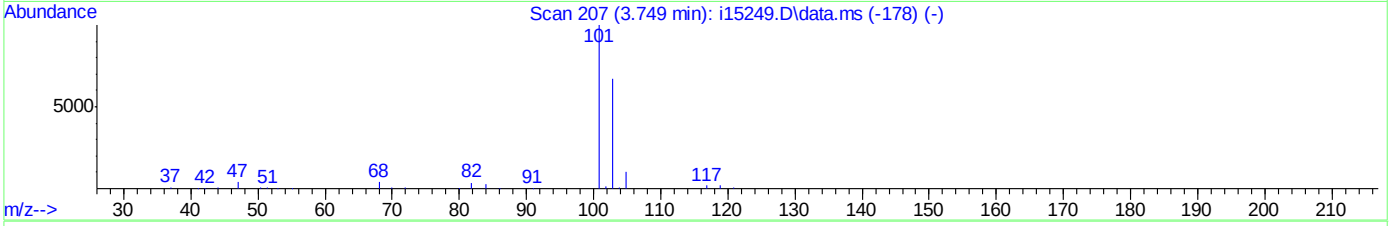
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15262.D
Acq On : 31 Oct 2013 3:33 pm
Operator : WILFREDO
Sample : FA9297-13
Misc : ms25560,vi196,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 01 07:31:11 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15262.D\data.ms

(7) Trichlorofluoromethane ( )

3.724min (-0.031) 0.27ug/L

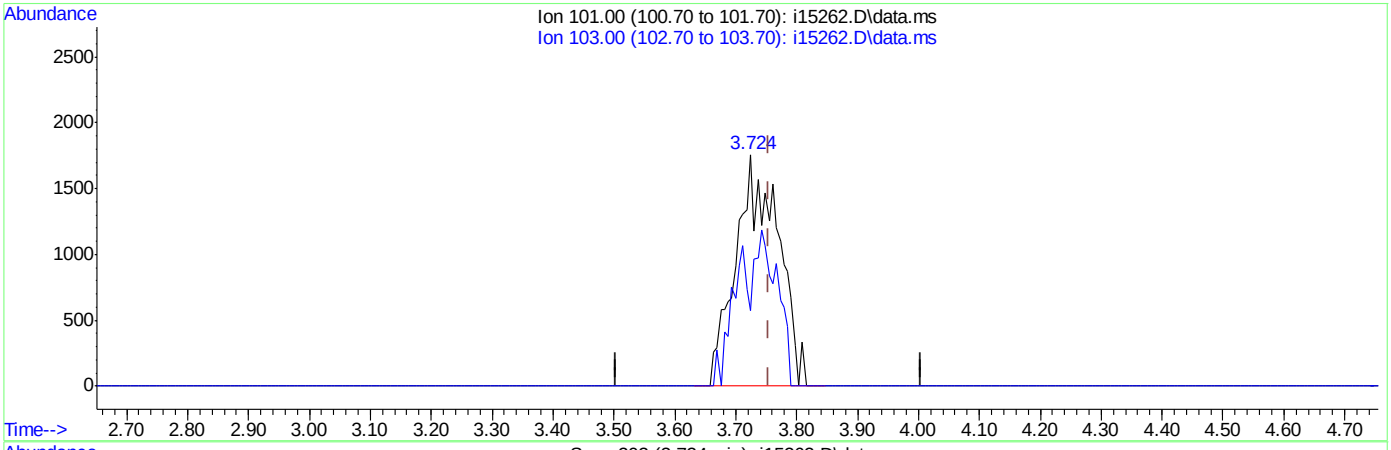
response 4966

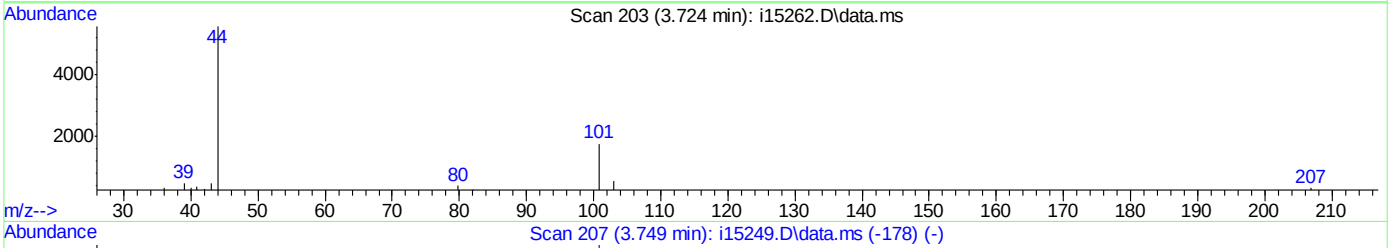
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	32.75
0.00	0.00	0.00
0.00	0.00	0.00

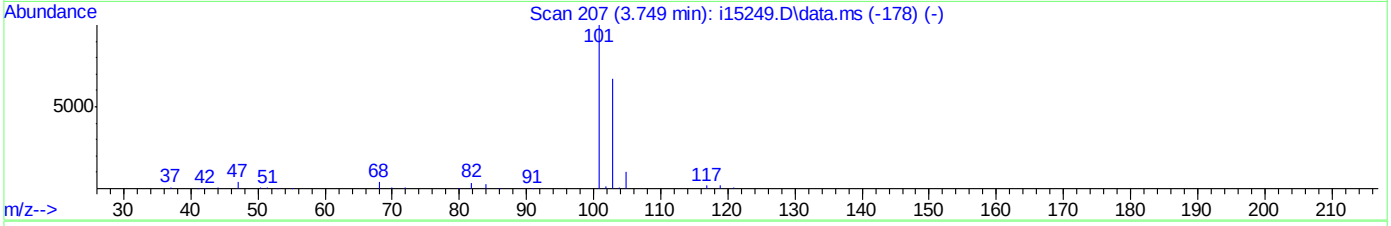
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15262.D
Acq On : 31 Oct 2013 3:33 pm
Operator : WILFREDO
Sample : FA9297-13
Misc : ms25560,vi196,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 01 07:31:11 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15262.D\data.ms

(7) Trichlorofluoromethane ( )

3.724min (-0.031) 0.46ug/L m

response 8501

Ion	Exp%	Act%
101.00	100	100
103.00	43.30	32.75
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15285.D
Acq On : 1 Nov 2013 11:27 am
Operator : WILFREDO
Sample : FA9297-13,5
Misc : ms25560,vi197,,,,,5
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 01 13:19:47 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

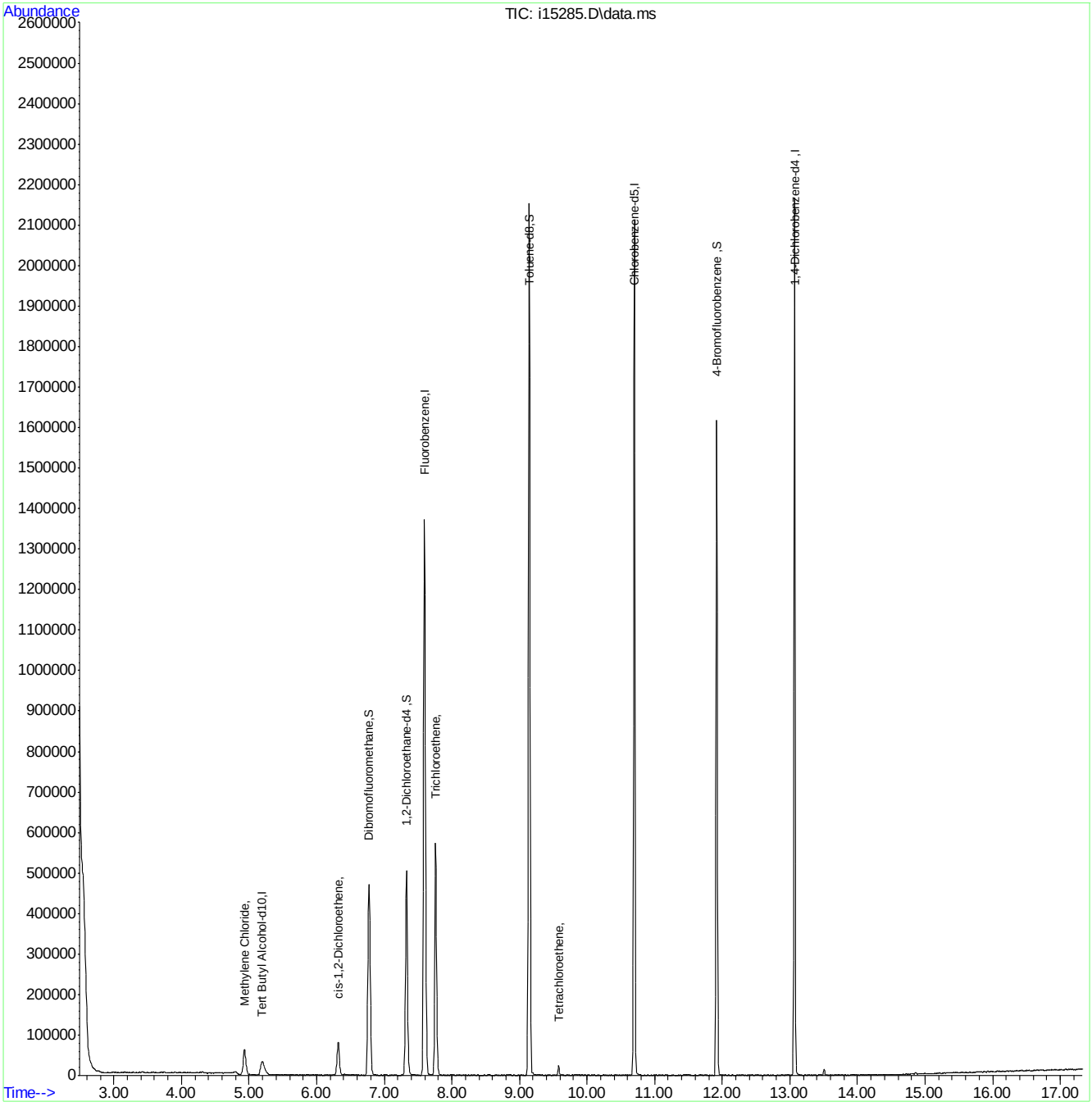
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1186392	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	890369	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	421150	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	72852	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	325880	48.45	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.90%			
44) 1,2-Dichloroethane-d4	7.327	65	380485	49.78	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.56%			
55) Toluene-d8	9.144	98	1185199	50.48	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.96%			
77) 4-Bromofluorobenzene	11.918	174	320345	48.83	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.66%			
Target Compounds						Qvalue
15) Methylene Chloride	4.931	49	55985	5.94	ug/L	90
28) cis-1,2-Dichloroethene	6.315	96	44406	6.47	ug/L	87
46) Trichloroethene	7.760	95	186302	26.41	ug/L	74
60) Tetrachloroethene	9.583	166	5543	0.74	ug/L	90

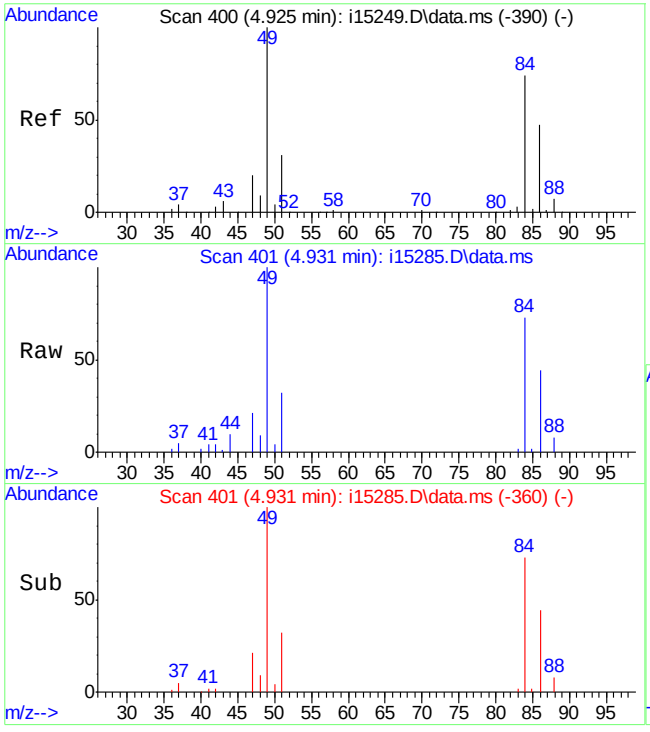
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15285.D
Acq On : 1 Nov 2013 11:27 am
Operator : WILFREDO
Sample : FA9297-13,5
Misc : ms25560,vi197,,,,,5
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 01 13:19:47 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

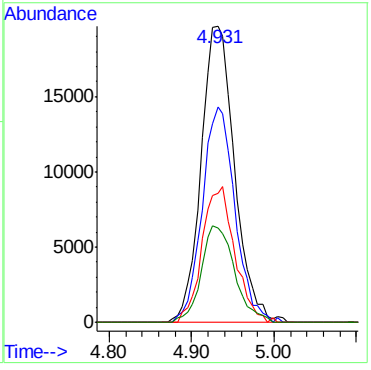


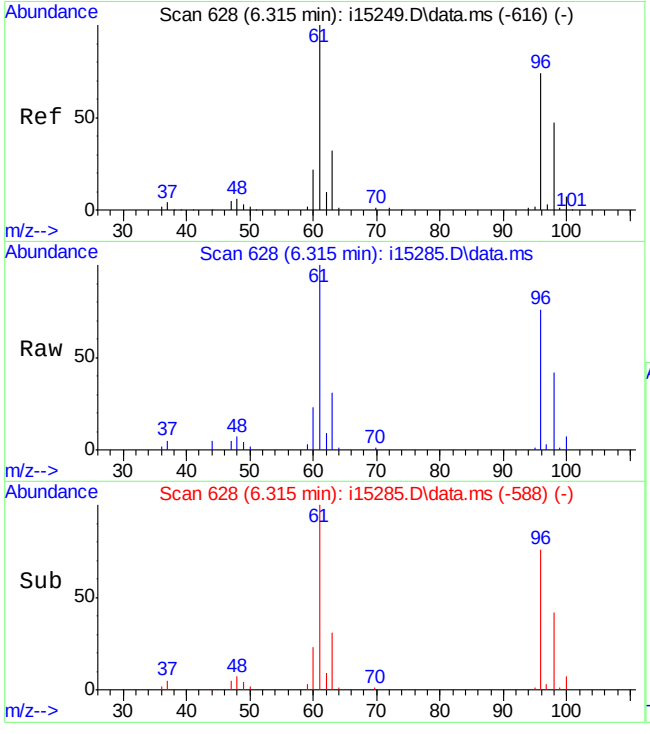


#15
Methylene Chloride
Concen: 5.94 ug/L
RT: 4.931 min Scan# 401
Delta R.T. 0.000 min
Lab File: i15285.D
Acq: 1 Nov 2013 11:27 am

Tgt Ion: 49 Resp: 55985

Ion	Ratio	Lower	Upper
49	100		
84	72.8	38.5	98.5
86	43.8	23.0	83.0
51	32.0	0.0	52.3

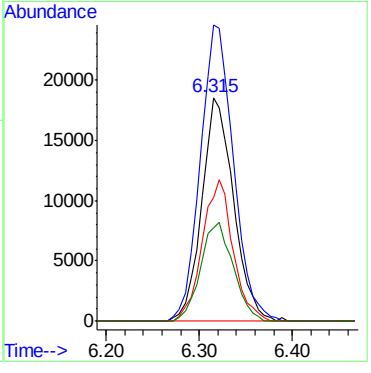


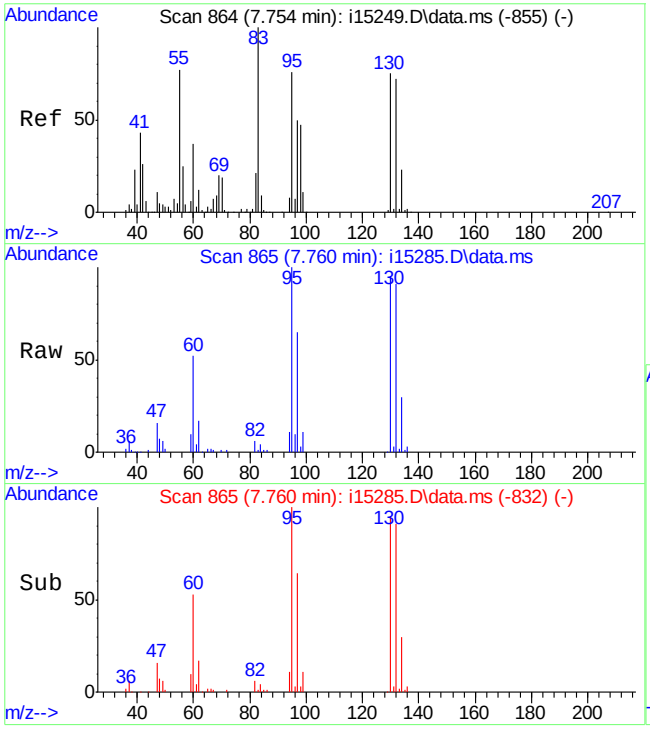


#28
cis-1,2-Dichloroethene
Concen: 6.47 ug/L
RT: 6.315 min Scan# 628
Delta R.T. -0.006 min
Lab File: i15285.D
Acq: 1 Nov 2013 11:27 am

Tgt Ion: 96 Resp: 44406

Ion	Ratio	Lower	Upper
96	100		
61	132.3	86.5	146.5
98	55.3	17.7	77.7
63	41.6	4.7	64.7

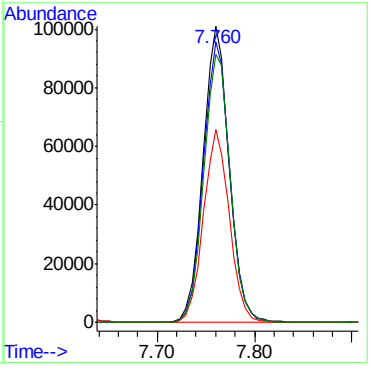


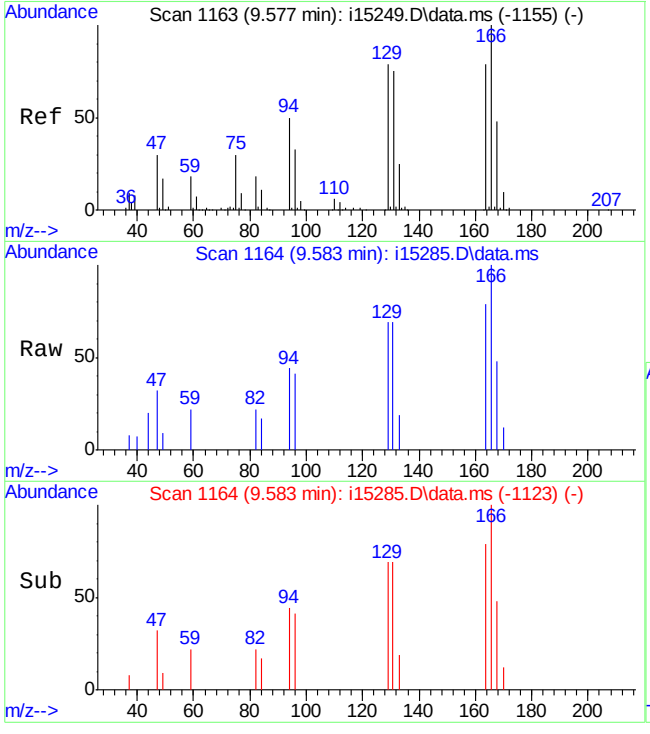


#46
Trichloroethene
Concen: 26.41 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15285.D
Acq: 1 Nov 2013 11:27 am

Tgt Ion: 95 Resp: 186302

Ion	Ratio	Lower	Upper
95	100		
130	94.7	46.4	106.4
97	65.0	5.1	65.1
132	90.7	44.1	104.1

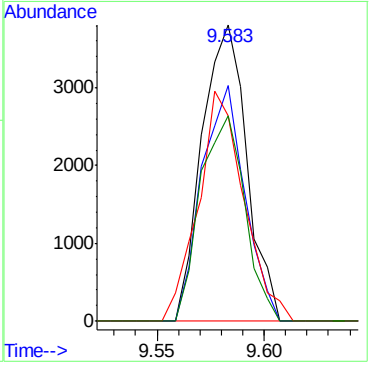




#60
Tetrachloroethene
Concen: 0.74 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. -0.000 min
Lab File: i15285.D
Acq: 1 Nov 2013 11:27 am

Tgt Ion:166 Resp: 5543

Ion	Ratio	Lower	Upper
166	100		
164	79.4	29.5	89.5
129	69.3	43.7	103.7
131	69.2	39.3	99.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15263.D
Acq On : 31 Oct 2013 3:57 pm
Operator : WILFREDO
Sample : FA9297-14
Misc : ms25560,vi196,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 01 09:40:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

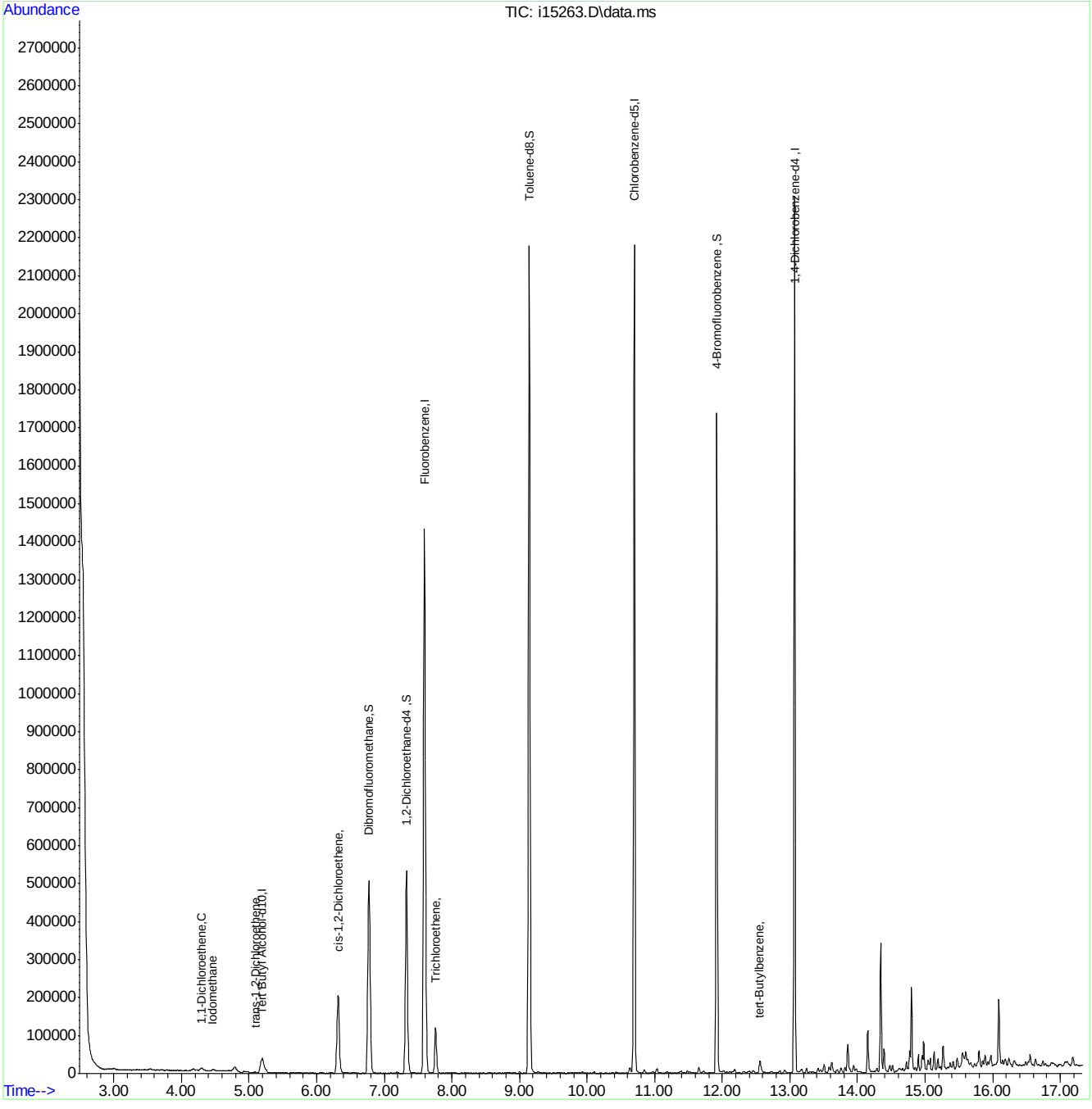
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.595	96	1248442	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	938245	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	446236	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	78344	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.772	113	345559	48.82	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.64%			
44) 1,2-Dichloroethane-d4	7.327	65	403155	50.12	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.24%			
55) Toluene-d8	9.144	98	1203040	48.62	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.24%			
77) 4-Bromofluorobenzene	11.918	174	333739	48.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.02%			
Target Compounds						Qvalue
10) 1,1-Dichloroethene	4.291	61	4935	0.39	ug/L	58
13) Iodomethane	4.462	142	7562	0.44	ug/L	76
18) trans-1,2-Dichloroethene	5.090	61	2330	0.23	ug/L	77
28) cis-1,2-Dichloroethene	6.315	96	107719	14.92	ug/L	77
46) Trichloroethene	7.760	95	38533	5.19	ug/L #	67
88) tert-Butylbenzene	12.552	91	5477	0.42	ug/L	77

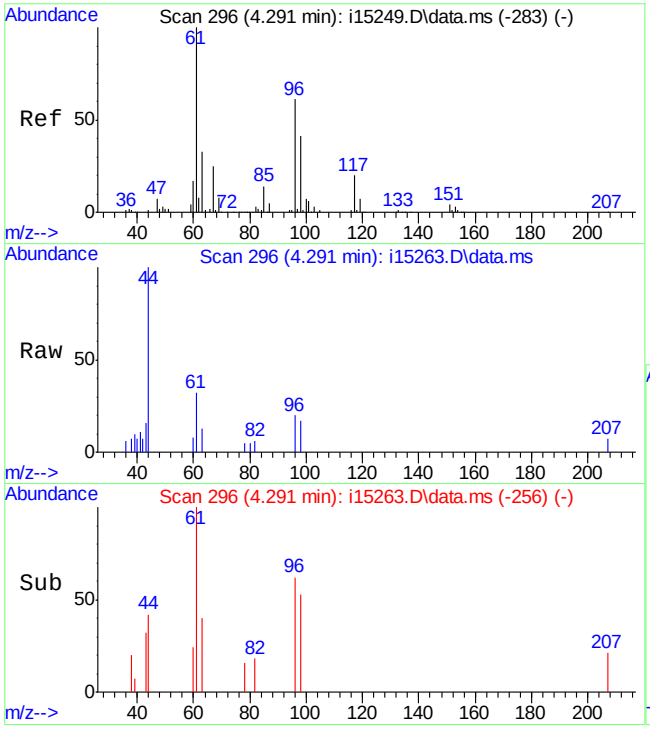
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15263.D
Acq On : 31 Oct 2013 3:57 pm
Operator : WILFREDO
Sample : FA9297-14
Misc : ms25560,vi196,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 01 09:40:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

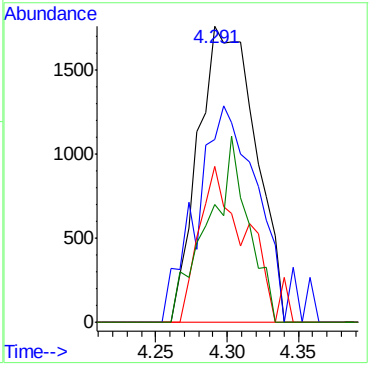


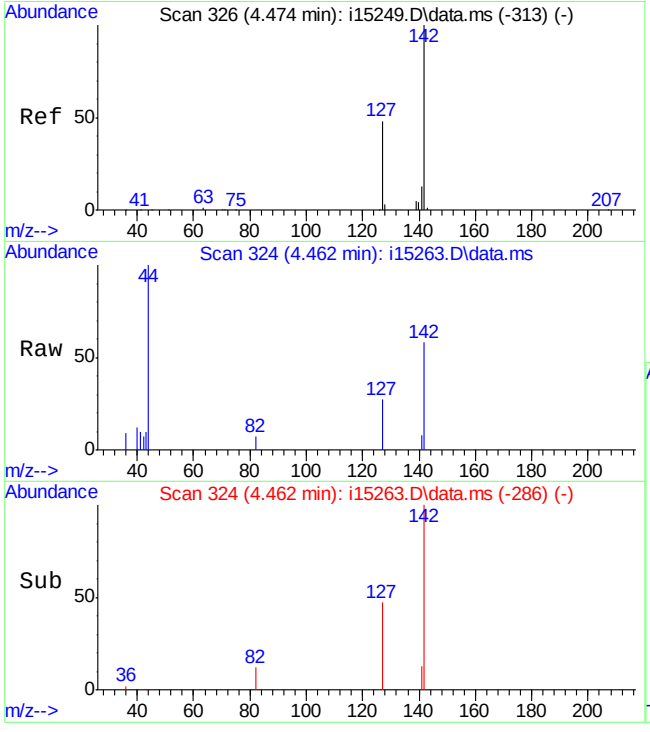


#10
1,1-Dichloroethene
Concen: 0.39 ug/L
RT: 4.291 min Scan# 296
Delta R.T. -0.006 min
Lab File: i15263.D
Acq: 31 Oct 2013 3:57 pm

Tgt Ion: 61 Resp: 4935

Ion	Ratio	Lower	Upper
61	100		
96	61.9	14.1	74.1
98	52.6	0.0	54.1
63	39.9	0.0	45.2

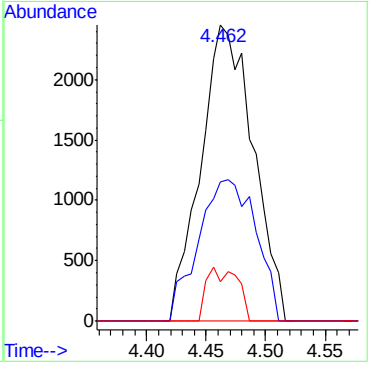


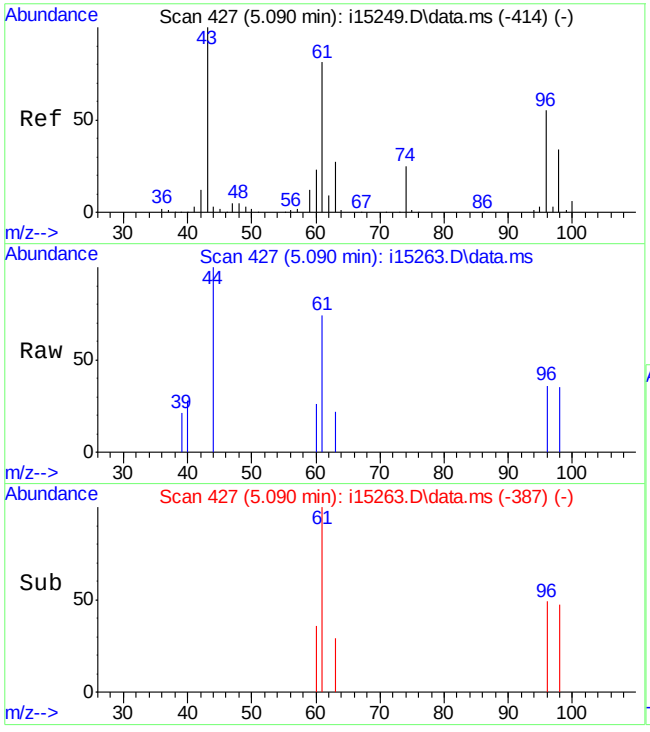


#13
Iodomethane
Concen: 0.44 ug/L
RT: 4.462 min Scan# 324
Delta R.T. -0.018 min
Lab File: i15263.D
Acq: 31 Oct 2013 3:57 pm

Tgt Ion:142 Resp: 7562

Ion	Ratio	Lower	Upper
142	100		
127	47.1	11.2	51.2
141	13.4	0.0	30.3

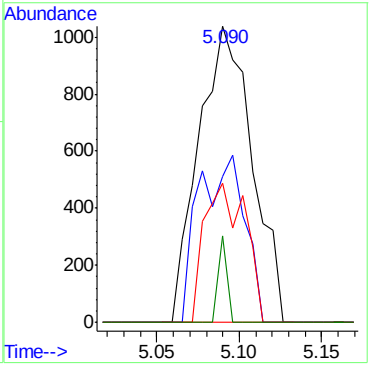


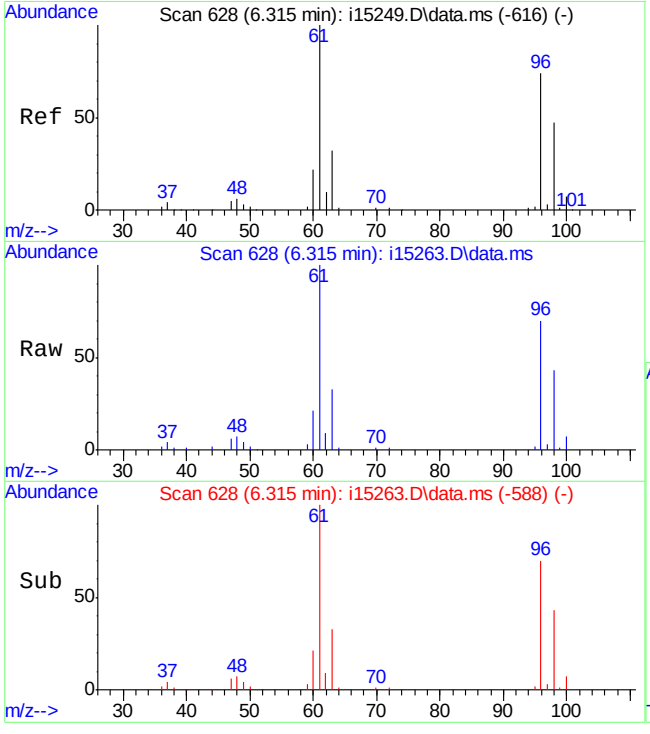


#18
trans-1,2-Dichloroethene
Concen: 0.23 ug/L
RT: 5.090 min Scan# 427
Delta R.T. -0.006 min
Lab File: i15263.D
Acq: 31 Oct 2013 3:57 pm

Tgt Ion: 61 Resp: 2330

Ion	Ratio	Lower	Upper
61	100		
96	49.2	48.5	108.5
98	46.9	12.6	72.6
63	29.4	0.0	50.5

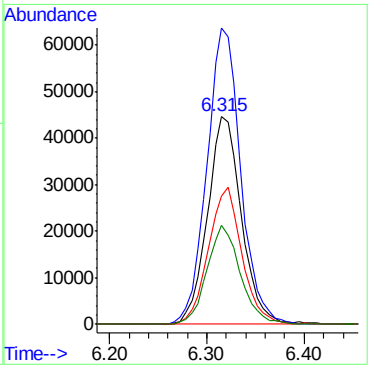


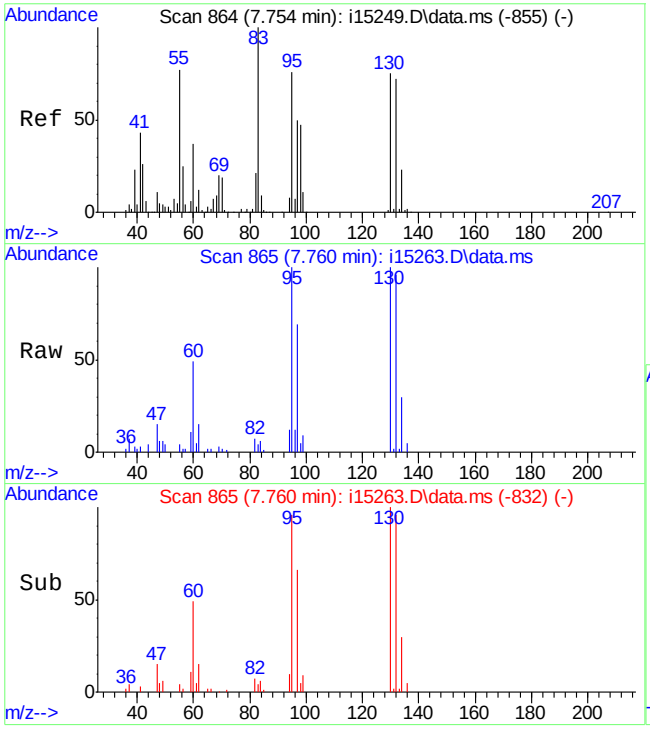


#28
cis-1,2-Dichloroethene
Concen: 14.92 ug/L
RT: 6.315 min Scan# 628
Delta R.T. -0.006 min
Lab File: i15263.D
Acq: 31 Oct 2013 3:57 pm

Tgt Ion: 96 Resp: 107719

Ion	Ratio	Lower	Upper
96	100		
61	142.3	86.5	146.5
98	61.7	17.7	77.7
63	47.3	4.7	64.7

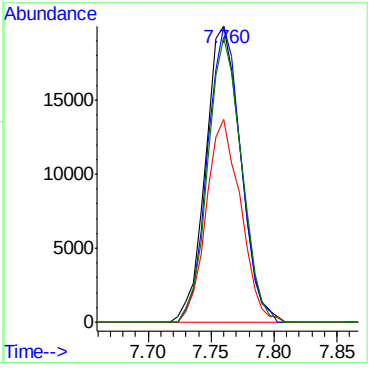


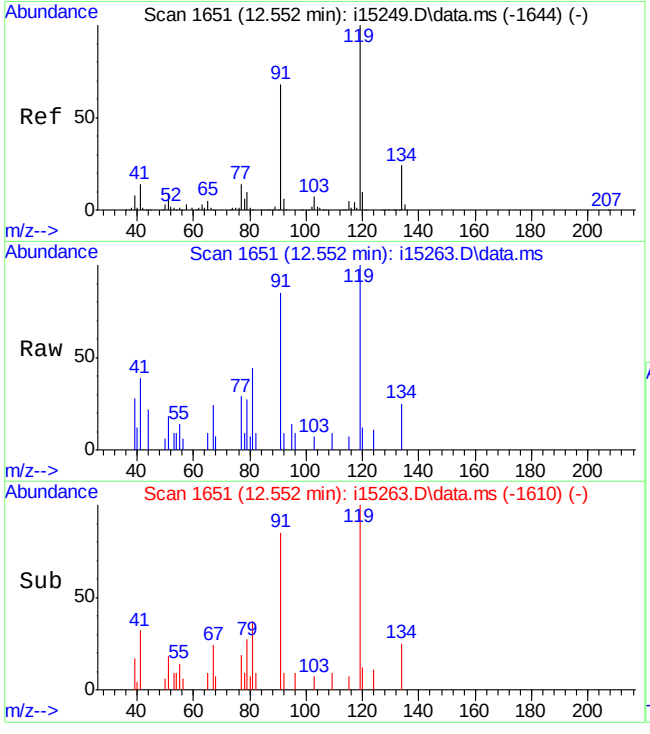


#46
Trichloroethene
Concen: 5.19 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15263.D
Acq: 31 Oct 2013 3:57 pm

Tgt Ion: 95 Resp: 38533

Ion	Ratio	Lower	Upper
95	100		
130	99.8	46.4	106.4
97	68.5	5.1	65.1#
132	96.3	44.1	104.1

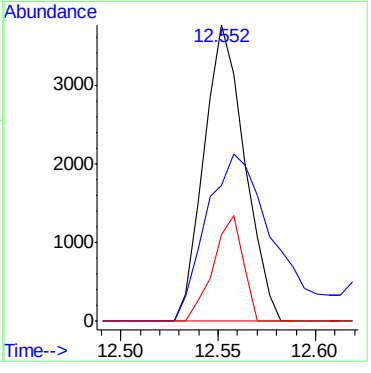




#88
tert-Butylbenzene
Concen: 0.42 ug/L
RT: 12.552 min Scan# 1651
Delta R.T. -0.000 min
Lab File: i15263.D
Acq: 31 Oct 2013 3:57 pm

Tgt Ion: 91 Resp: 5477

Ion	Ratio	Lower	Upper
91	100		
41	45.7	0.0	53.4
134	29.3	3.3	63.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15264.D
Acq On : 31 Oct 2013 4:21 pm
Operator : WILFREDO
Sample : FA9297-15
Misc : ms25560,vi196,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 01 09:41:05 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

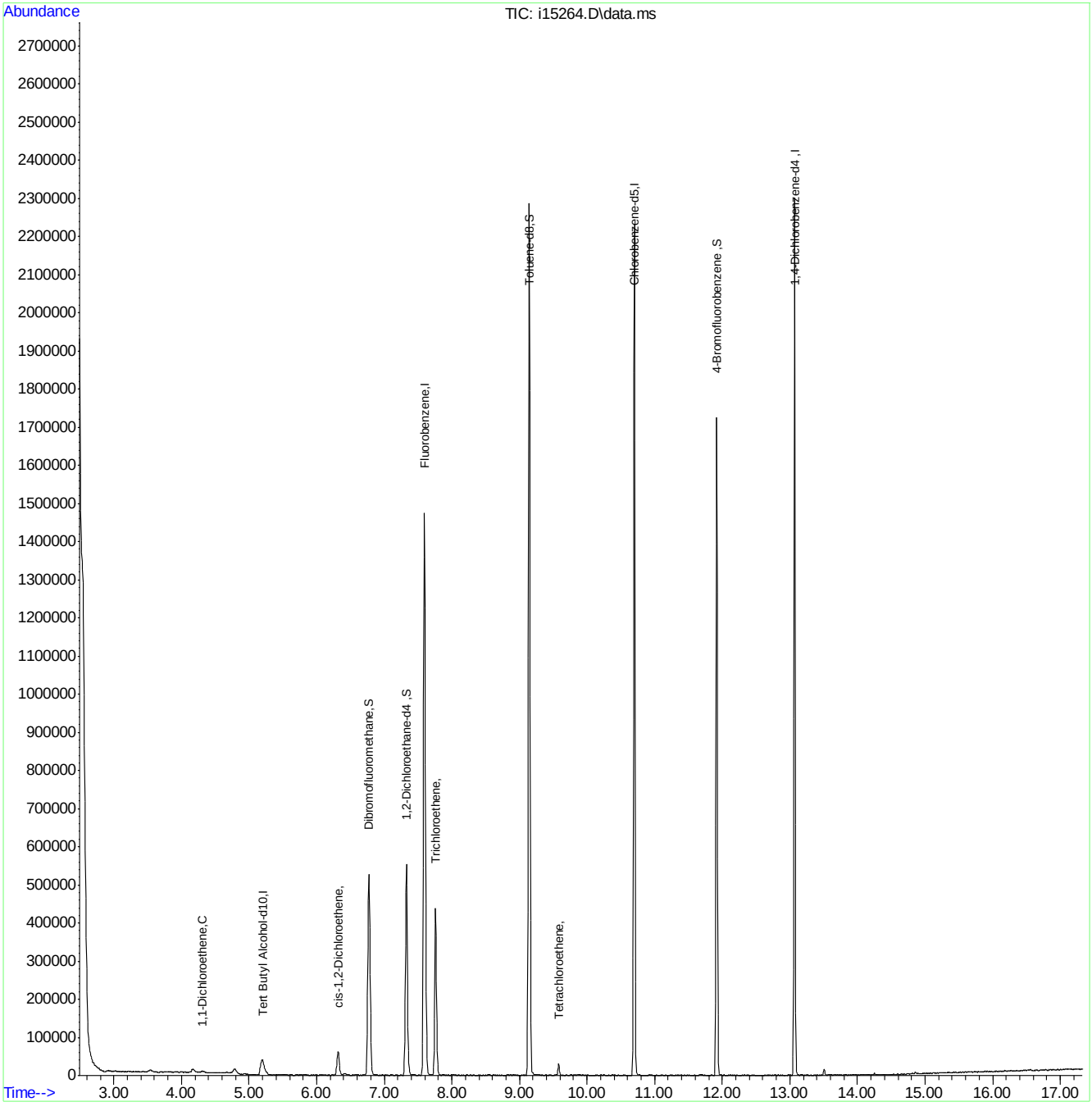
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1281191	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	953246	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	447705	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.200	65	84214	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.772	113	351917	48.45	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.90%			
44) 1,2-Dichloroethane-d4	7.327	65	408274	49.46	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.92%			
55) Toluene-d8	9.144	98	1263341	50.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.52%			
77) 4-Bromofluorobenzene	11.918	174	339942	48.75	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.50%			
Target Compounds						Qvalue
10) 1,1-Dichloroethene	4.310	61	3229	0.25	ug/L #	38
28) cis-1,2-Dichloroethene	6.315	96	33314	4.50	ug/L #	73
46) Trichloroethene	7.760	95	144260	18.93	ug/L	74
60) Tetrachloroethene	9.583	166	7220	0.90	ug/L	87

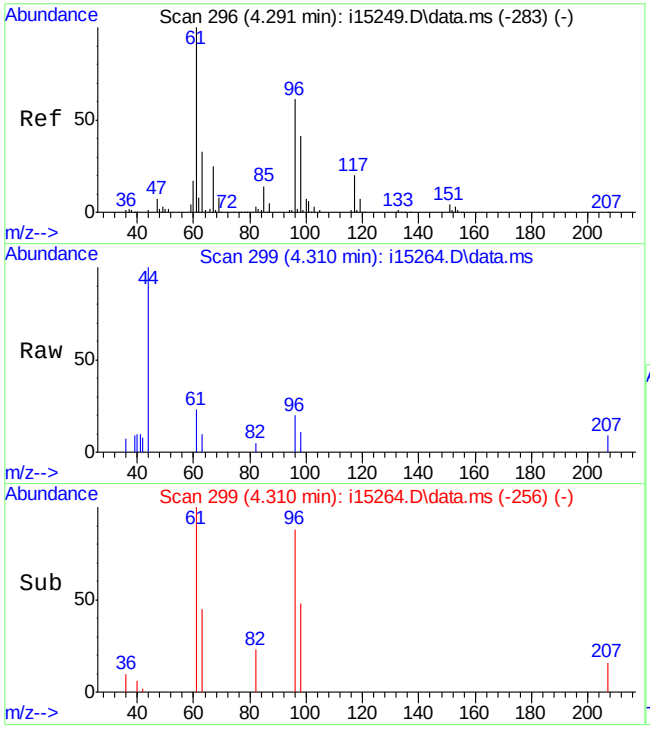
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15264.D
Acq On : 31 Oct 2013 4:21 pm
Operator : WILFREDO
Sample : FA9297-15
Misc : ms25560,vi196,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Nov 01 09:41:05 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

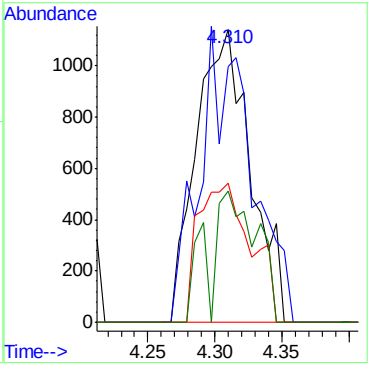


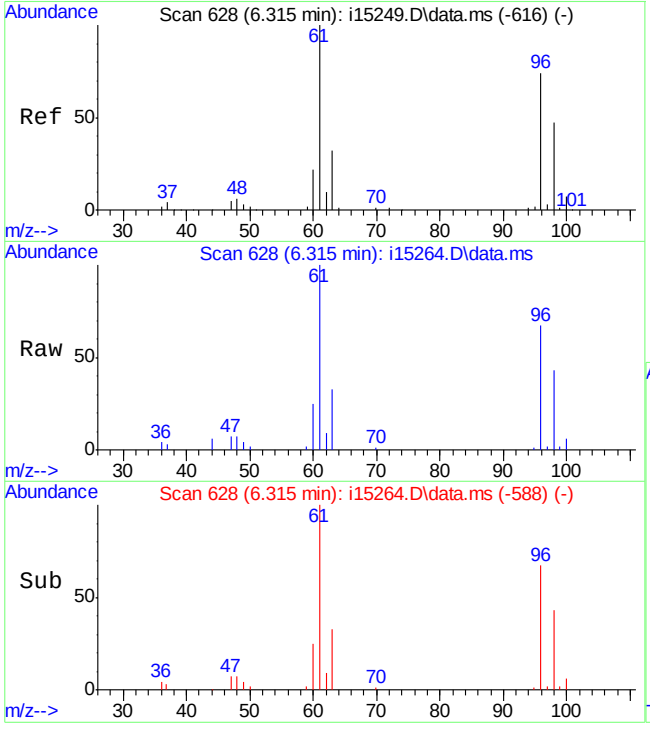


#10
1,1-Dichloroethene
Concen: 0.25 ug/L
RT: 4.310 min Scan# 299
Delta R.T. 0.013 min
Lab File: i15264.D
Acq: 31 Oct 2013 4:21 pm

Tgt Ion: 61 Resp: 3229

Ion	Ratio	Lower	Upper
61	100		
96	87.6	14.1	74.1#
98	47.6	0.0	54.1
63	44.9	0.0	45.2

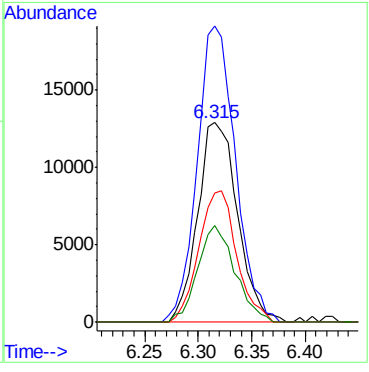


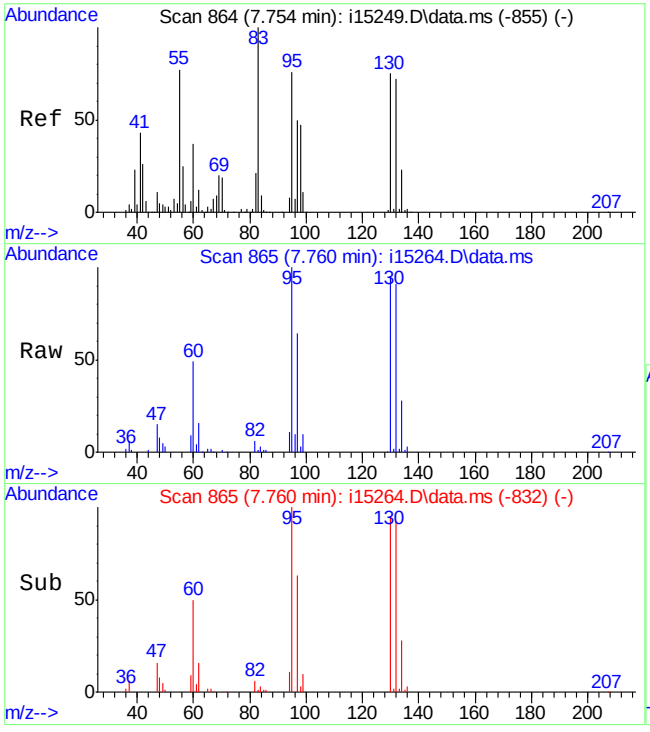


#28
cis-1,2-Dichloroethene
Concen: 4.50 ug/L
RT: 6.315 min Scan# 628
Delta R.T. -0.006 min
Lab File: i15264.D
Acq: 31 Oct 2013 4:21 pm

Tgt Ion: 96 Resp: 33314

Ion	Ratio	Lower	Upper
96	100		
61	148.4	86.5	146.5#
98	64.5	17.7	77.7
63	48.3	4.7	64.7

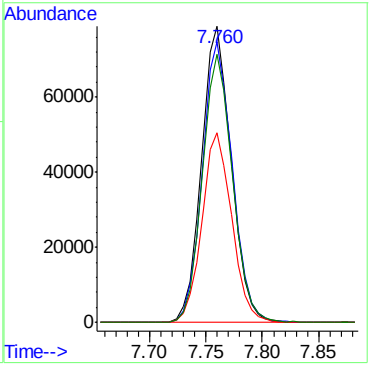


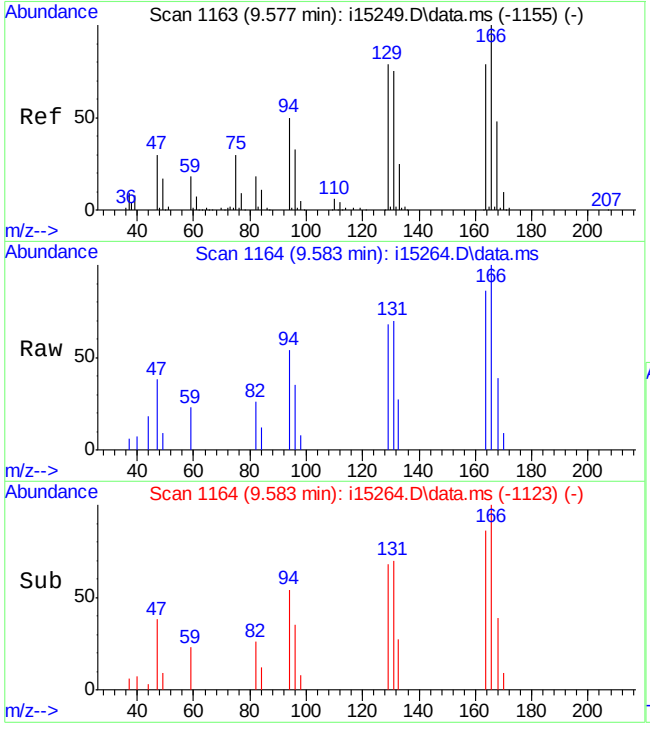


#46
Trichloroethene
Concen: 18.93 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15264.D
Acq: 31 Oct 2013 4:21 pm

Tgt Ion: 95 Resp: 144260

Ion	Ratio	Lower	Upper
95	100		
130	94.5	46.4	106.4
97	63.9	5.1	65.1
132	90.7	44.1	104.1

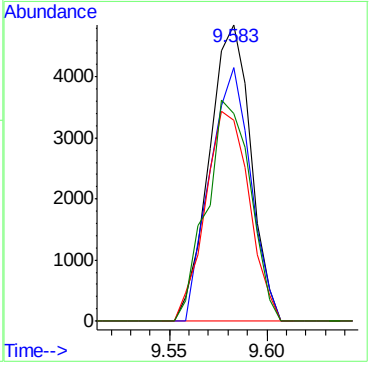




#60
Tetrachloroethene
Concen: 0.90 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. -0.000 min
Lab File: i15264.D
Acq: 31 Oct 2013 4:21 pm

Tgt Ion:166 Resp: 7220

Ion	Ratio	Lower	Upper
166	100		
164	85.7	29.5	89.5
129	67.7	43.7	103.7
131	70.0	39.3	99.3



Manual Integrations
APPROVED
(compounds with "m" flag)
Juan Garcia
11/01/13 11:21

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15265.D
Acq On : 31 Oct 2013 4:45 pm
Operator : WILFREDO
Sample : FA9297-16
Misc : ms25560,vi196,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 09:41:41 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

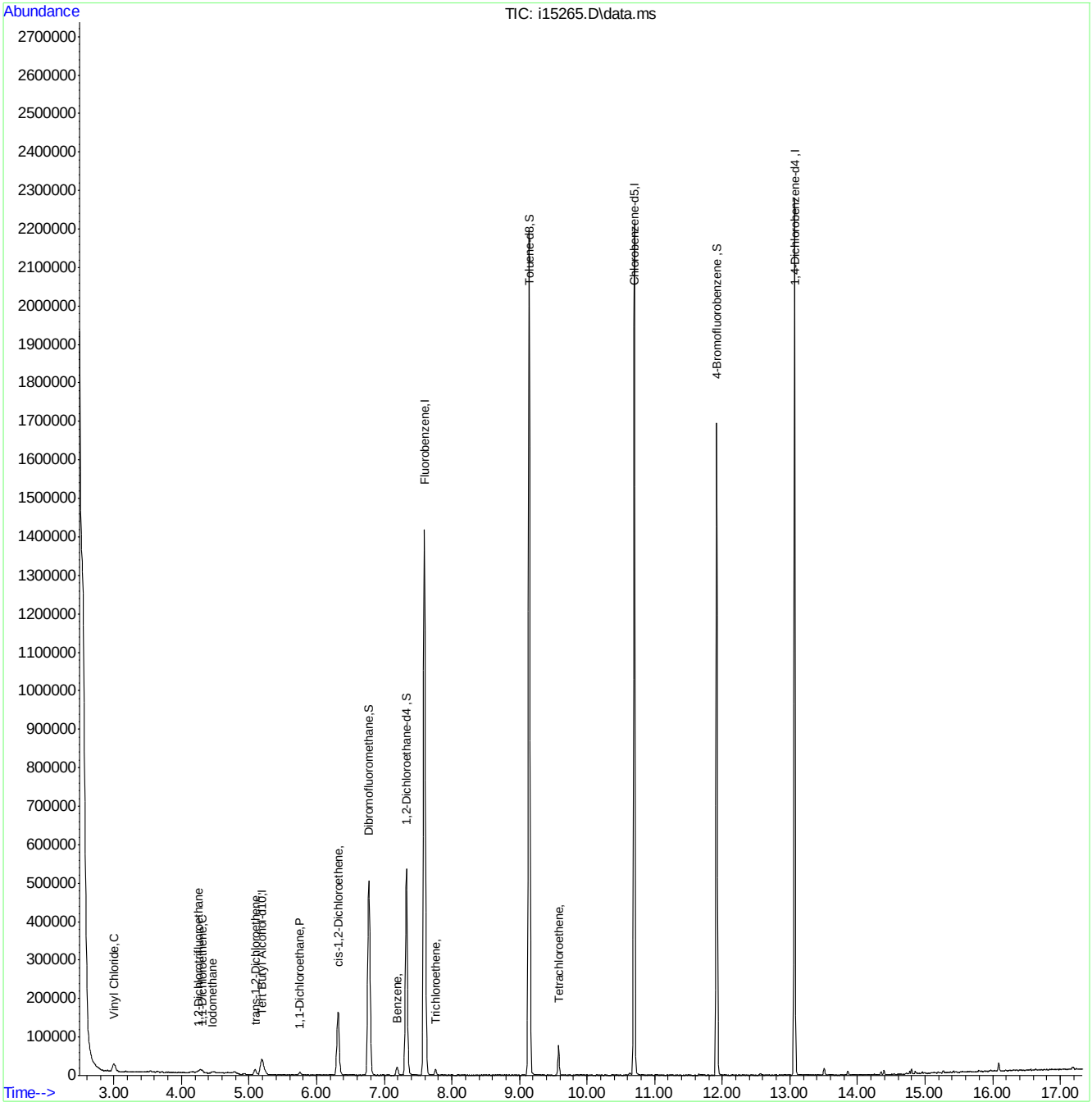
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1281441	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	953874	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	441840	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.188	65	80045	250.00	ug/L	-0.02
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	353536	48.66	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.32%			
44) 1,2-Dichloroethane-d4	7.327	65	412962	50.02	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.04%			
55) Toluene-d8	9.144	98	1238687	49.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.50%			
77) 4-Bromofluorobenzene	11.918	174	338364	49.16	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.32%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.999	62	32738	2.73	ug/L	90
9) 1,2-Dichlorotrifluoroe...	4.249	67	6198m	0.54	ug/L	
10) 1,1-Dichloroethene	4.304	61	4775	0.37	ug/L #	61
13) Iodomethane	4.462	142	6595	0.38	ug/L	80
18) trans-1,2-Dichloroethene	5.090	61	12829	1.23	ug/L	84
24) 1,1-Dichloroethane	5.748	63	10550	0.79	ug/L	68
28) cis-1,2-Dichloroethene	6.315	96	90905	12.27	ug/L	80
42) Benzene	7.193	78	20032	0.72	ug/L	77
46) Trichloroethene	7.760	95	5604	0.74	ug/L #	78
60) Tetrachloroethene	9.583	166	18386	2.30	ug/L	87

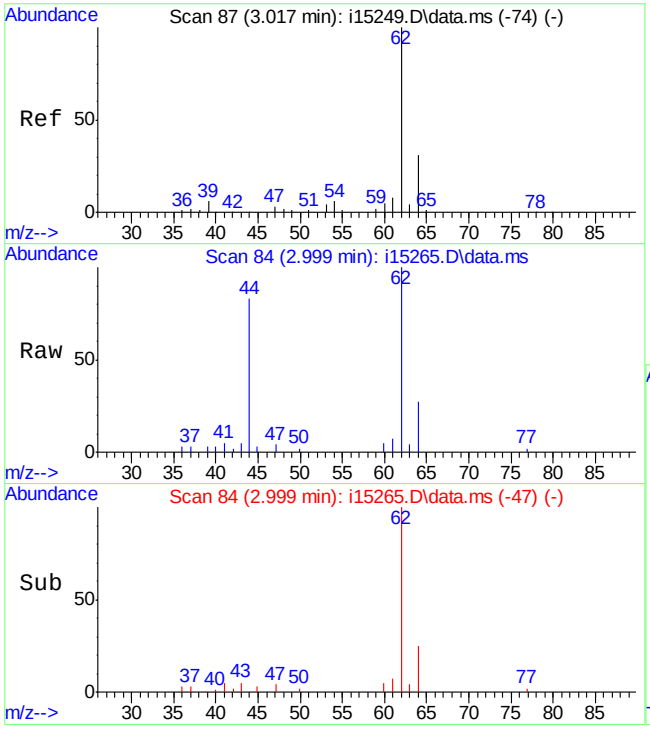
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15265.D
Acq On : 31 Oct 2013 4:45 pm
Operator : WILFREDO
Sample : FA9297-16
Misc : ms25560,vi196,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 09:41:41 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

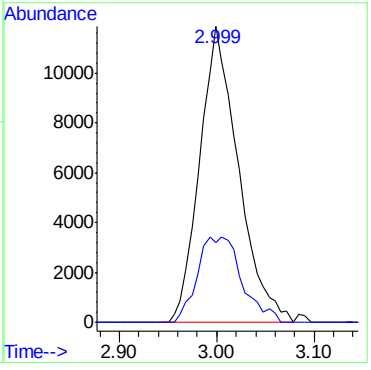


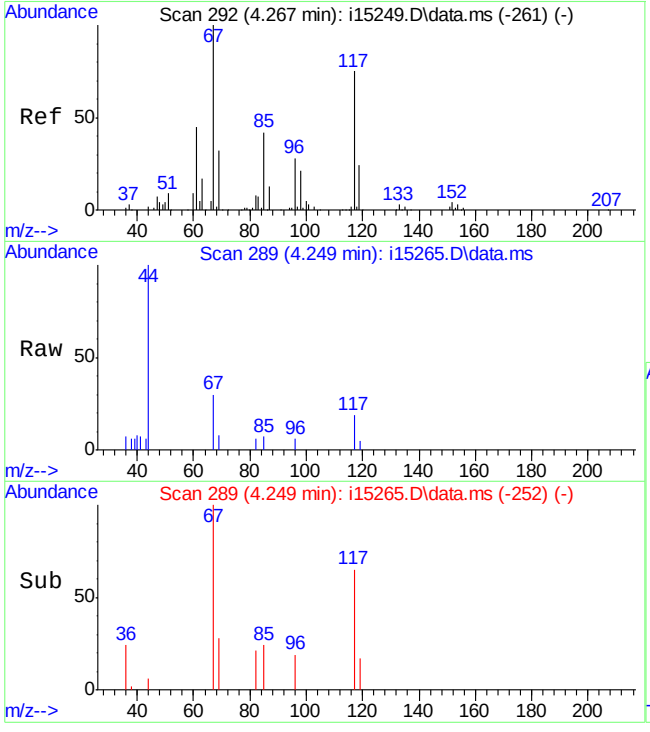


#4
Vinyl Chloride
Concen: 2.73 ug/L
RT: 2.999 min Scan# 84
Delta R.T. -0.024 min
Lab File: i15265.D
Acq: 31 Oct 2013 4:45 pm

Tgt Ion: 62 Resp: 32738

Ion	Ratio	Lower	Upper
62	100		
64	27.1	0.0	52.4

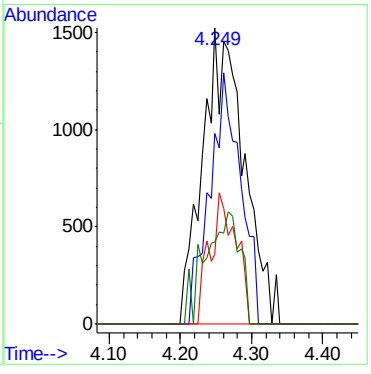


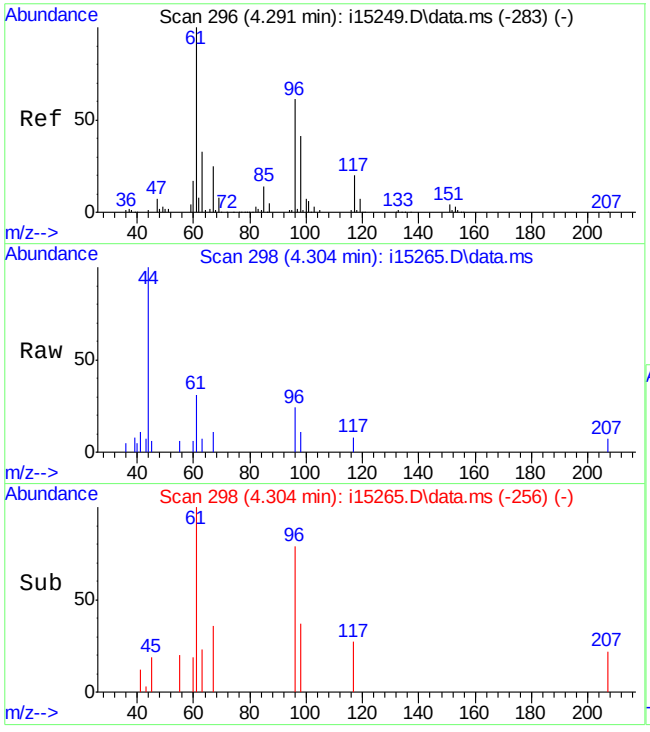


#9
1,2-Dichlorotrifluoroethane
Concen: 0.54 ug/L m
RT: 4.249 min Scan# 289
Delta R.T. -0.024 min
Lab File: i15265.D
Acq: 31 Oct 2013 4:45 pm

Tgt Ion: 67 Resp: 6198

Ion	Ratio	Lower	Upper
67	100		
117	64.5	58.2	98.2
85	23.5	29.2	69.2#
69	27.8	15.5	55.5

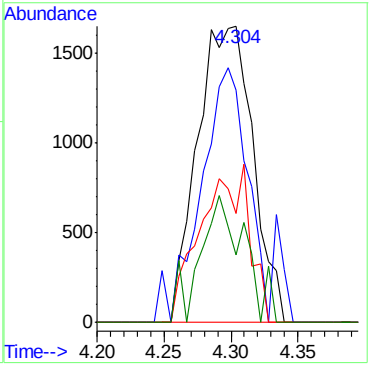


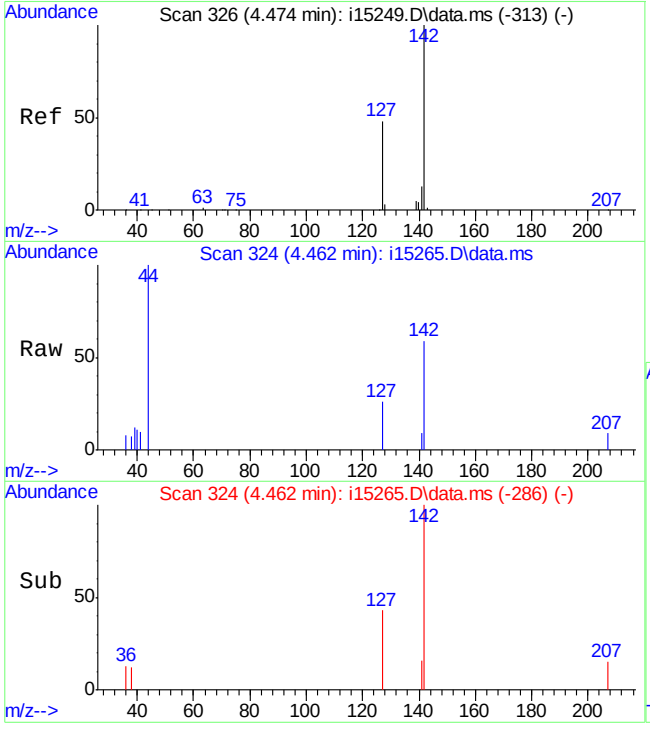


#10
1,1-Dichloroethene
Concen: 0.37 ug/L
RT: 4.304 min Scan# 298
Delta R.T. 0.007 min
Lab File: i15265.D
Acq: 31 Oct 2013 4:45 pm

Tgt Ion: 61 Resp: 4775

Ion	Ratio	Lower	Upper
61	100		
96	78.6	14.1	74.1#
98	36.7	0.0	54.1
63	22.7	0.0	45.2

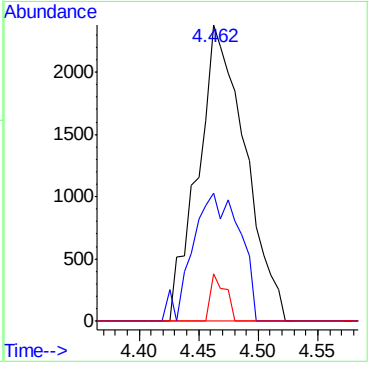


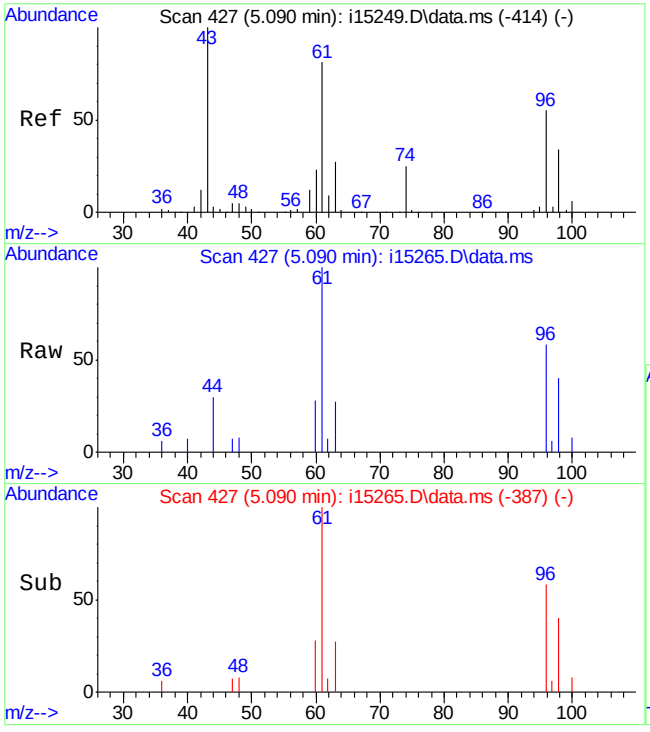


#13
Iodomethane
Concen: 0.38 ug/L
RT: 4.462 min Scan# 324
Delta R.T. -0.018 min
Lab File: i15265.D
Acq: 31 Oct 2013 4:45 pm

Tgt Ion:142 Resp: 6595

Ion	Ratio	Lower	Upper
142	100		
127	43.3	11.2	51.2
141	16.0	0.0	30.3

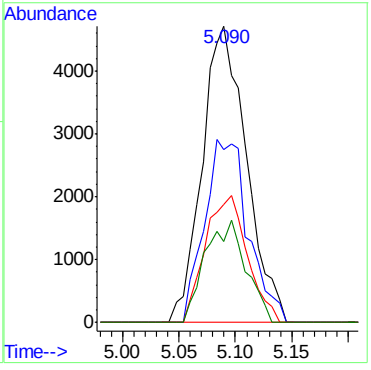


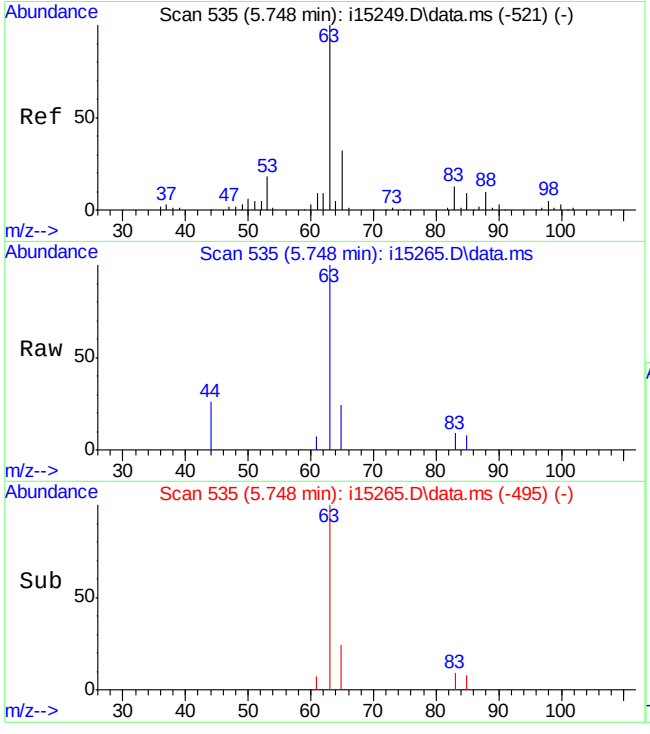


#18
trans-1,2-Dichloroethene
Concen: 1.23 ug/L
RT: 5.090 min Scan# 427
Delta R.T. -0.006 min
Lab File: i15265.D
Acq: 31 Oct 2013 4:45 pm

Tgt Ion: 61 Resp: 12829

Ion	Ratio	Lower	Upper
61	100		
96	58.3	48.5	108.5
98	39.8	12.6	72.6
63	27.3	0.0	50.5

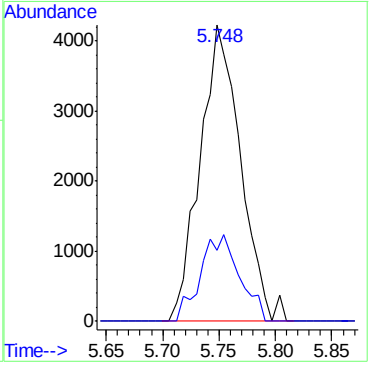


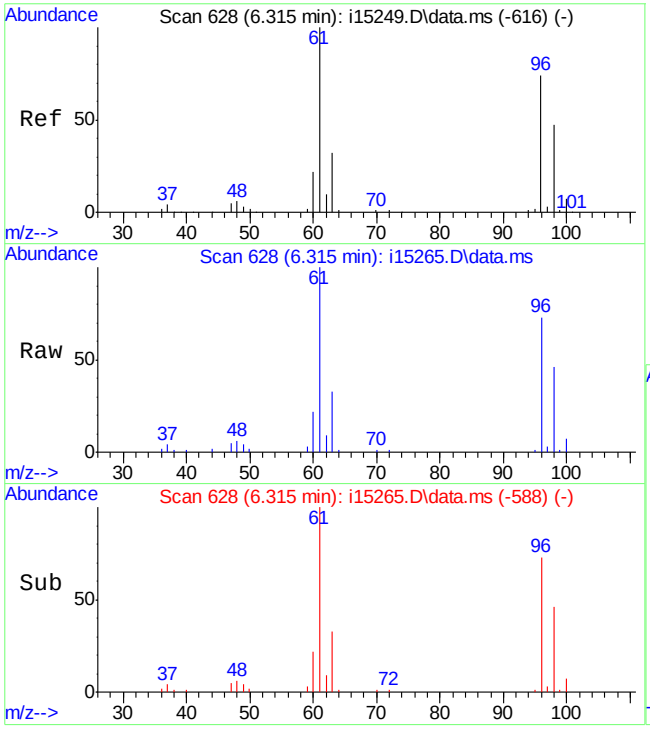


#24
1,1-Dichloroethane
Concen: 0.79 ug/L
RT: 5.748 min Scan# 535
Delta R.T. -0.006 min
Lab File: i15265.D
Acq: 31 Oct 2013 4:45 pm

Tgt Ion: 63 Resp: 10550

Ion	Ratio	Lower	Upper
63	100		
65	23.8	14.5	74.5

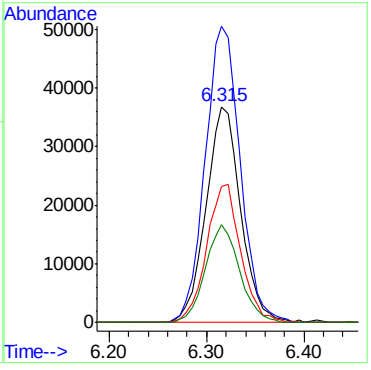


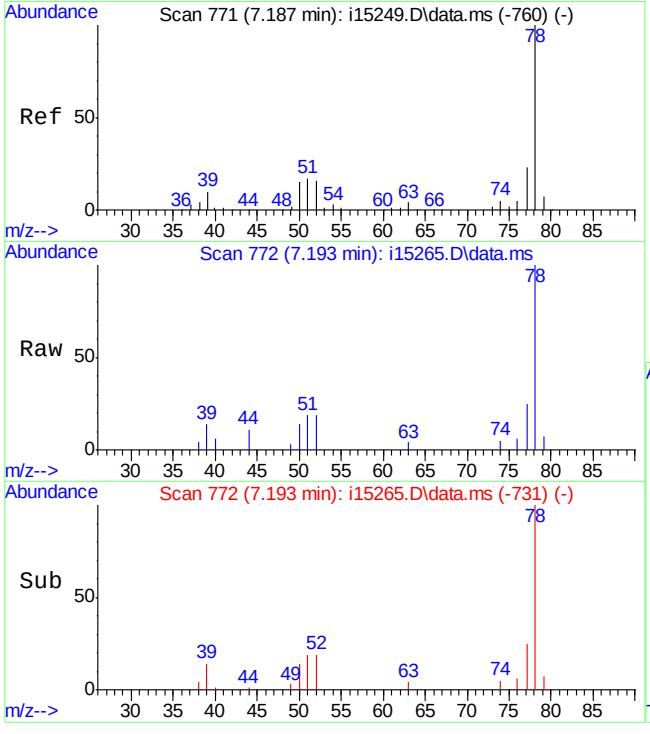


#28
cis-1,2-Dichloroethene
Concen: 12.27 ug/L
RT: 6.315 min Scan# 628
Delta R.T. -0.006 min
Lab File: i15265.D
Acq: 31 Oct 2013 4:45 pm

Tgt Ion: 96 Resp: 90905

Ion	Ratio	Lower	Upper
96	100		
61	137.3	86.5	146.5
98	63.2	17.7	77.7
63	45.3	4.7	64.7

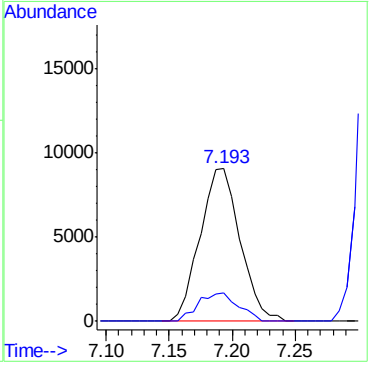


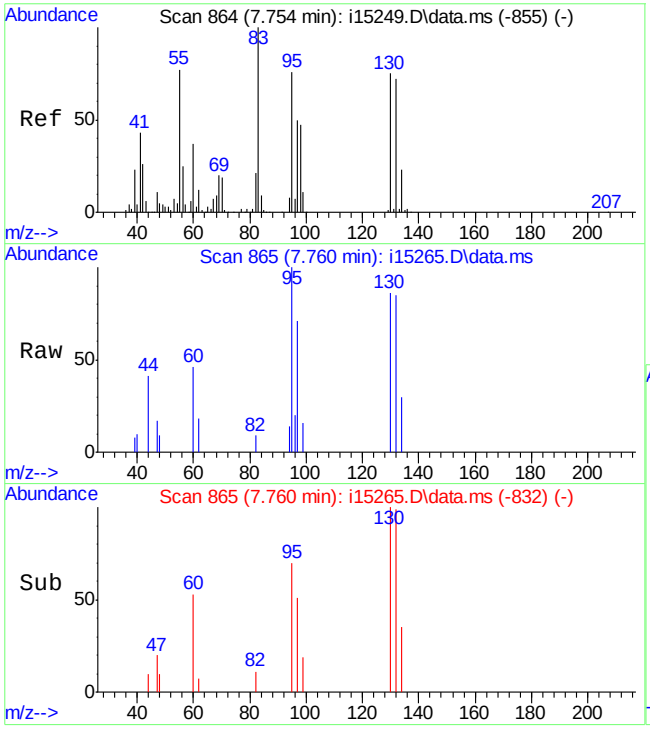


#42
Benzene
Concen: 0.72 ug/L
RT: 7.193 min Scan# 772
Delta R.T. 0.000 min
Lab File: i15265.D
Acq: 31 Oct 2013 4:45 pm

Tgt Ion: 78 Resp: 20032

Ion	Ratio	Lower	Upper
78	100		
51	18.7	1.4	61.4

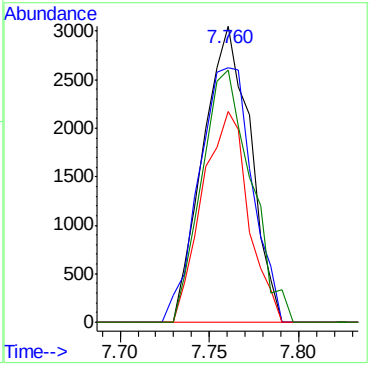


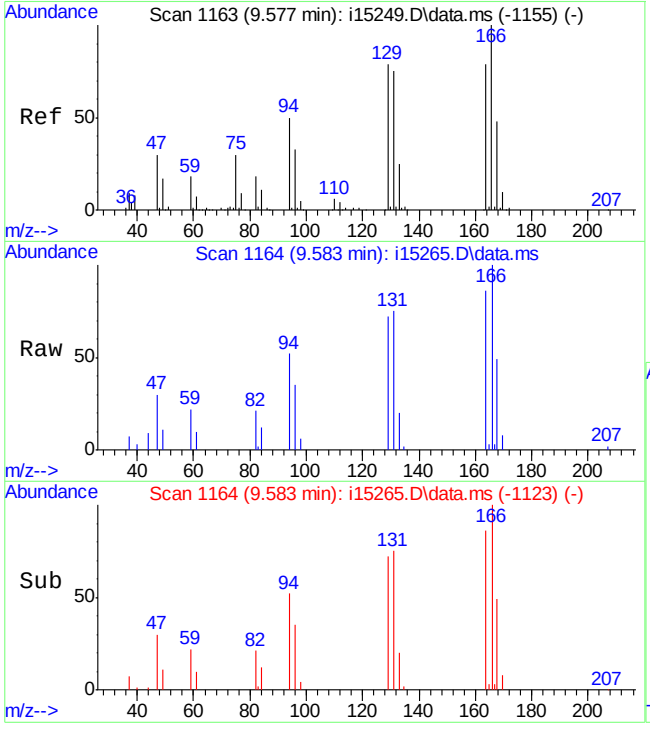


#46
Trichloroethene
Concen: 0.74 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15265.D
Acq: 31 Oct 2013 4:45 pm

Tgt Ion: 95 Resp: 5604

Ion	Ratio	Lower	Upper
95	100		
130	86.1	46.4	106.4
97	71.2	5.1	65.1#
132	85.3	44.1	104.1

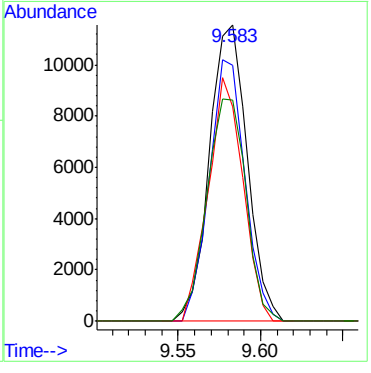




#60
Tetrachloroethene
Concen: 2.30 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. 0.000 min
Lab File: i15265.D
Acq: 31 Oct 2013 4:45 pm

Tgt Ion:166 Resp: 18386

Ion	Ratio	Lower	Upper
166	100		
164	86.4	29.5	89.5
129	72.5	43.7	103.7
131	74.6	39.3	99.3



Manual Integration Approval Summary

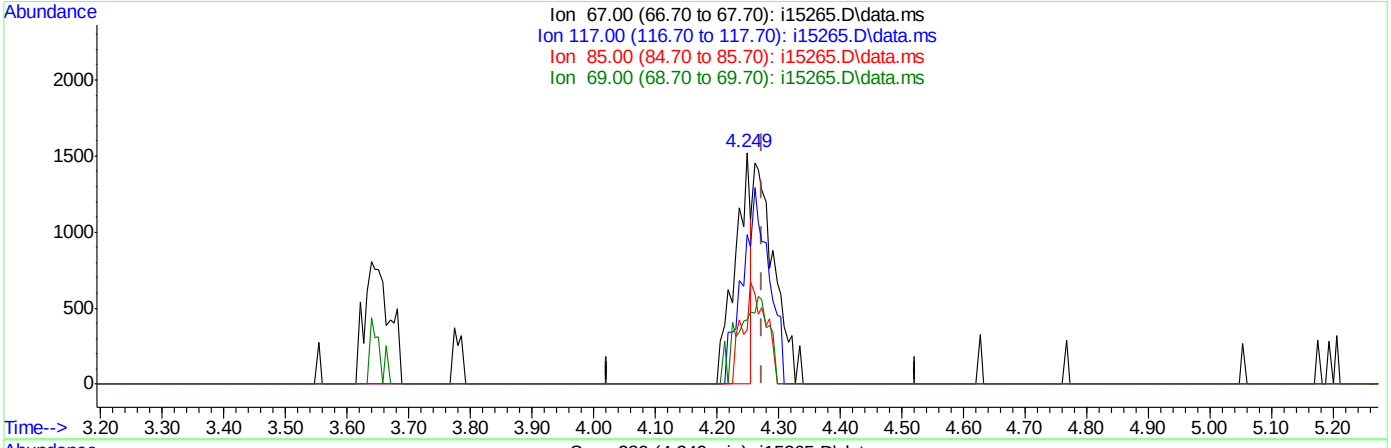
Sample Number:	FA9297-16	**Method:**	SW846 8260B
Lab FileID:	I15265.D	**Analyst approved:**	11/01/13 10:16 Wilfredo Vazquez
Injection Time:	10/31/13 16:45	**Supervisor approved:**	11/01/13 11:21 Juan Garcia

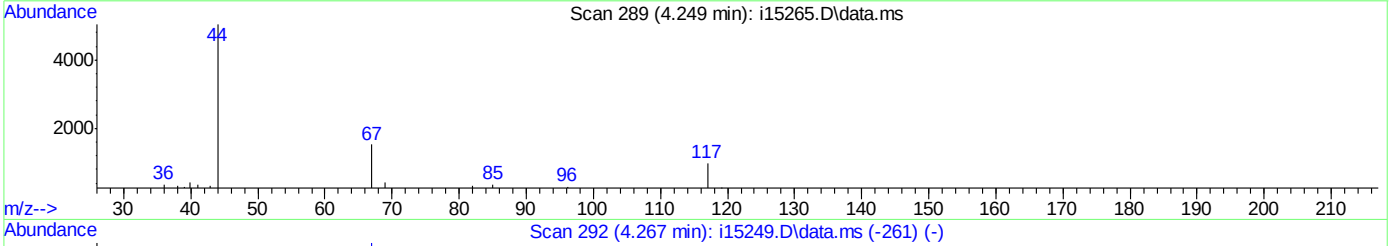
Parameter	CAS	Sig#	R.T. (min.)	Reason
1,2-Dichlorotrifluoroethane	354-23-4		4.25	Split peak

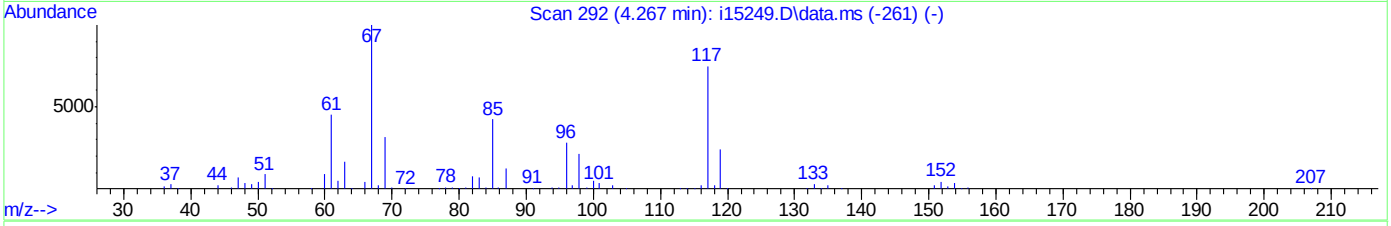
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15265.D
Acq On : 31 Oct 2013 4:45 pm
Operator : WILFREDO
Sample : FA9297-16
Misc : ms25560,vi196,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 07:31:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15265.D\data.ms

(9) 1,2-Dichlorotrifluoroethane

4.249min (-0.024) 0.24ug/L

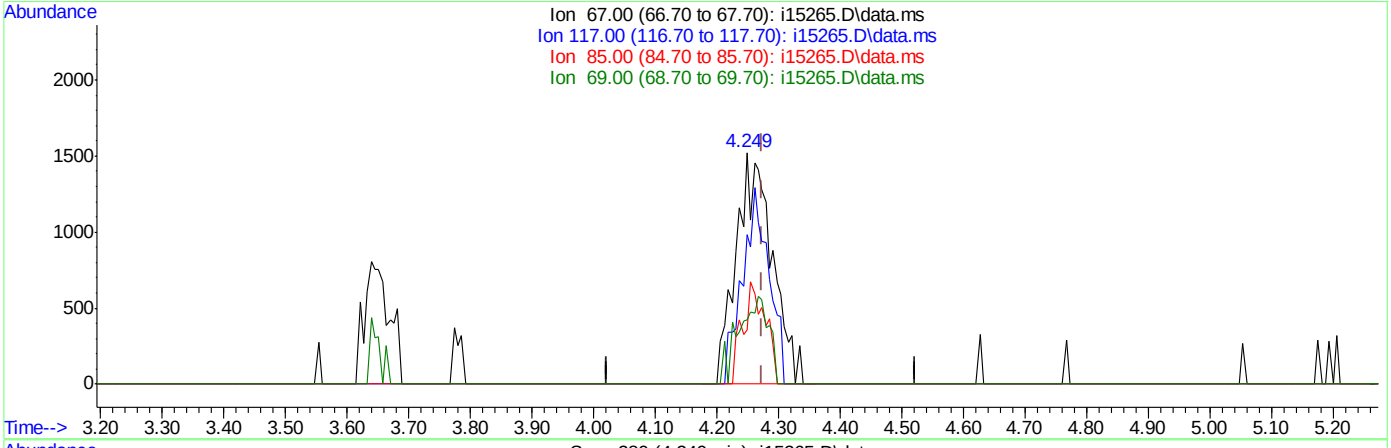
response 2739

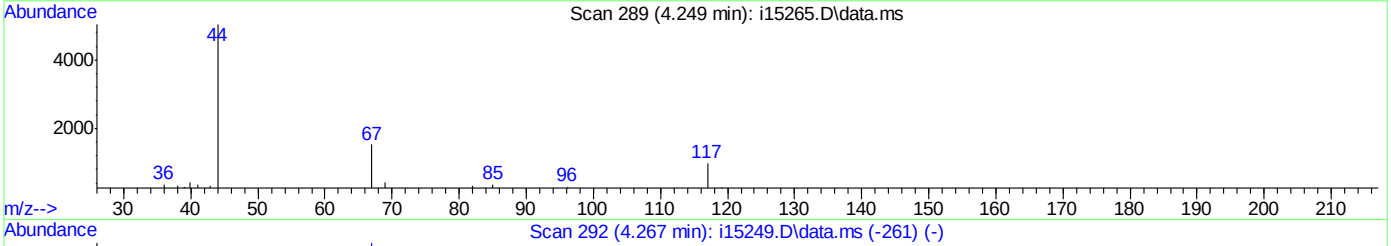
Ion	Exp%	Act%
67.00	100	100
117.00	78.20	64.54
85.00	49.20	23.51#
69.00	35.50	27.77

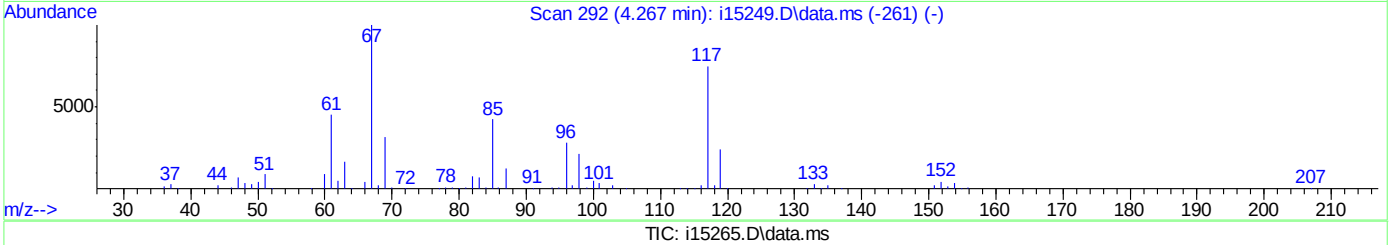
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15265.D
Acq On : 31 Oct 2013 4:45 pm
Operator : WILFREDO
Sample : FA9297-16
Misc : ms25560,vi196,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 07:31:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15265.D\data.ms

(9) 1,2-Dichlorotrifluoroethane

4.249min (-0.024) 0.54ug/L m

response 6198

Ion	Exp%	Act%
67.00	100	100
117.00	78.20	64.54
85.00	49.20	23.51#
69.00	35.50	27.77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15266.D
Acq On : 31 Oct 2013 5:09 pm
Operator : WILFREDO
Sample : FA9297-17
Misc : ms25560,vi196,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 01 09:42:11 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

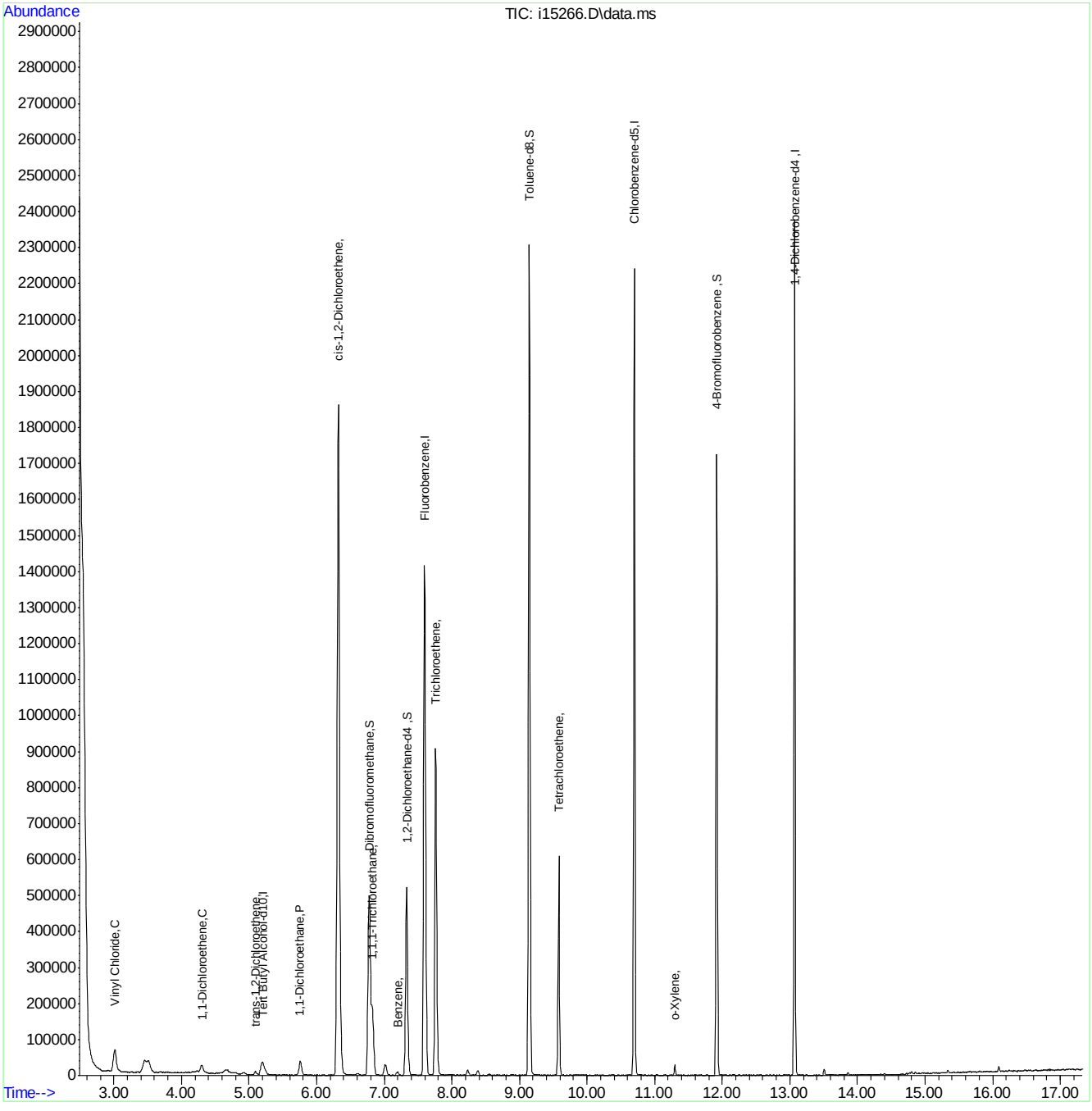
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1290279	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	966696	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	449968	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.200	65	78125	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.779	113	355892	48.65	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.30%			
44) 1,2-Dichloroethane-d4	7.333	65	411886	49.55	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.10%			
55) Toluene-d8	9.144	98	1281600	50.28	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.56%			
77) 4-Bromofluorobenzene	11.918	174	344186	49.11	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.22%			
Target Compounds						Qvalue
4) Vinyl Chloride	3.011	62	110636	9.17	ug/L	80
10) 1,1-Dichloroethene	4.304	61	20439	1.57	ug/L	71
18) trans-1,2-Dichloroethene	5.096	61	9025	0.86	ug/L	86
24) 1,1-Dichloroethane	5.755	63	50525	3.77	ug/L	77
28) cis-1,2-Dichloroethene	6.322	96	999951	134.02	ug/L	80
37) 1,1,1-Trichloroethane	6.821	97	149238	13.37	ug/L	86
42) Benzene	7.199	78	9562	0.34	ug/L	71
46) Trichloroethene	7.760	95	310778	40.50	ug/L #	73
60) Tetrachloroethene	9.583	166	143980	17.76	ug/L	91
72) o-Xylene	11.302	91	14659	0.64	ug/L	86

(#) = qualifier out of range (m) = manual integration (+) = signals summed

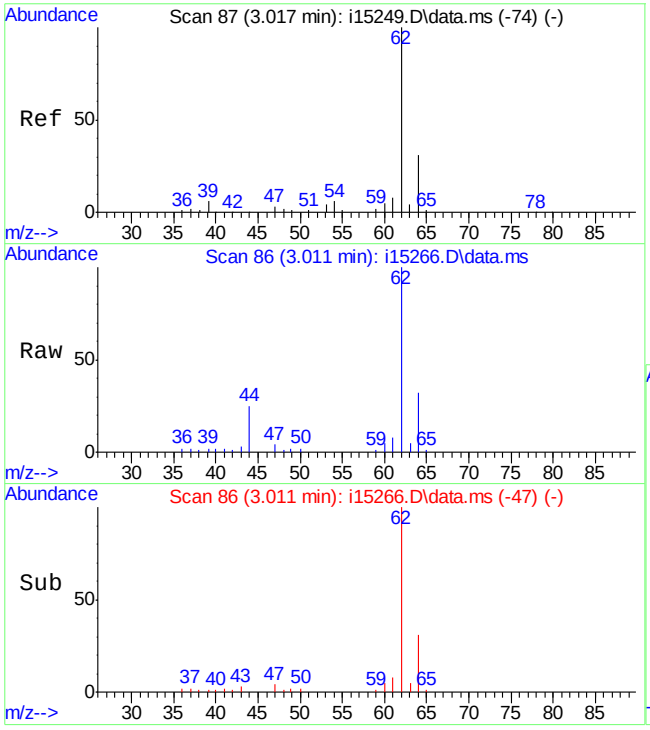
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15266.D
Acq On : 31 Oct 2013 5:09 pm
Operator : WILFREDO
Sample : FA9297-17
Misc : ms25560,vi196,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 01 09:42:11 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



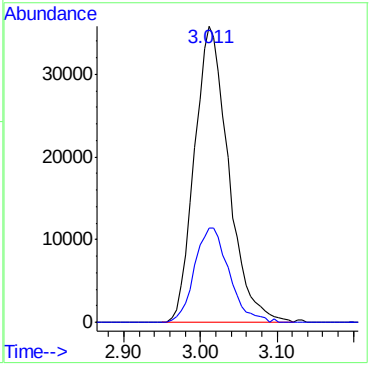
8260iapp.M Fri Nov 01 09:53:36 2013 Page: 2

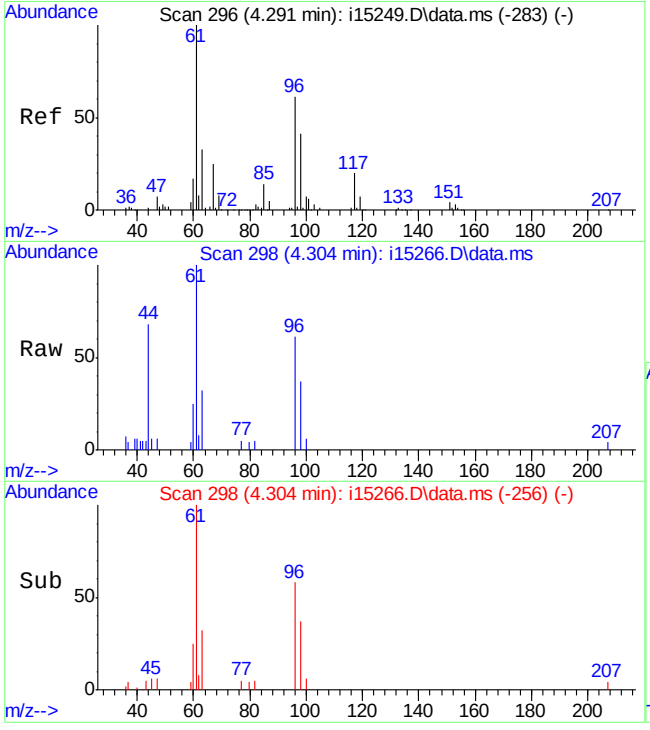


#4
Vinyl Chloride
Concen: 9.17 ug/L
RT: 3.011 min Scan# 86
Delta R.T. -0.012 min
Lab File: i15266.D
Acq: 31 Oct 2013 5:09 pm

Tgt Ion: 62 Resp: 110636

Ion	Ratio	Lower	Upper
62	100		
64	31.8	0.0	52.4

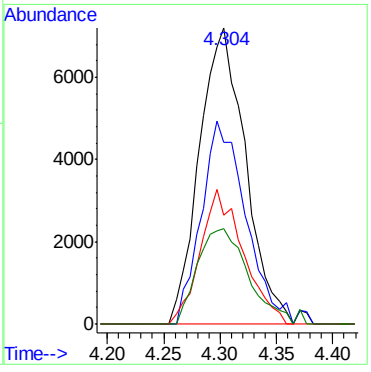


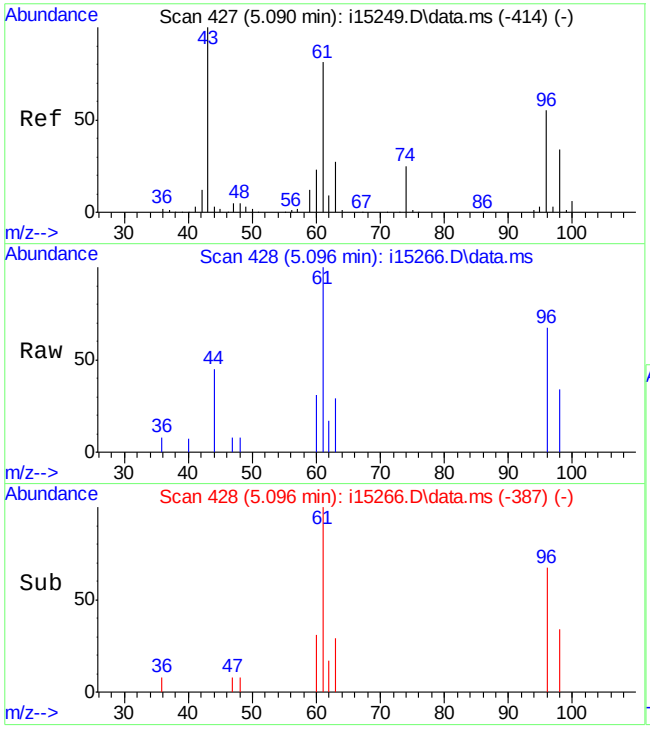


#10
1,1-Dichloroethene
Concen: 1.57 ug/L
RT: 4.304 min Scan# 298
Delta R.T. 0.007 min
Lab File: i15266.D
Acq: 31 Oct 2013 5:09 pm

Tgt Ion: 61 Resp: 20439

Ion	Ratio	Lower	Upper
61	100		
96	61.4	14.1	74.1
98	36.6	0.0	54.1
63	32.3	0.0	45.2

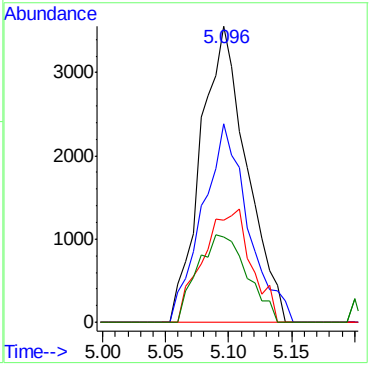


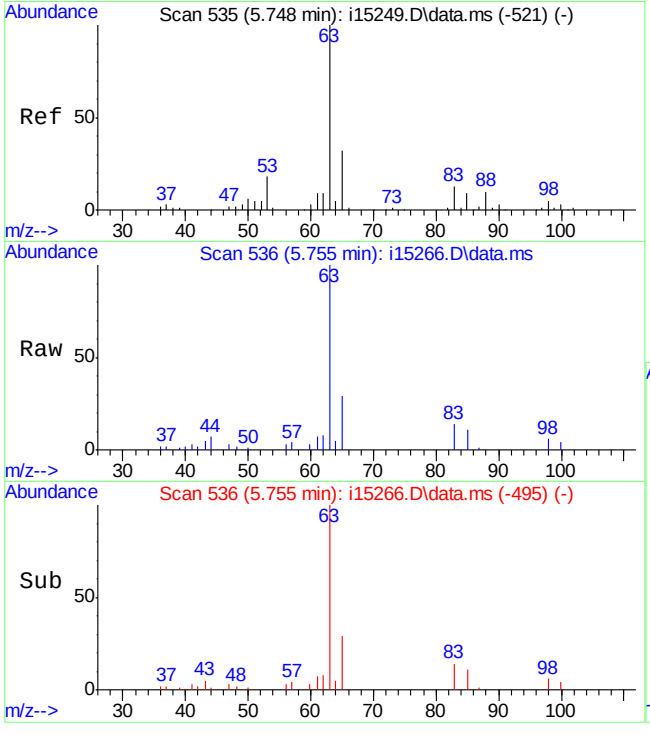


#18
trans-1,2-Dichloroethene
Concen: 0.86 ug/L
RT: 5.096 min Scan# 428
Delta R.T. 0.000 min
Lab File: i15266.D
Acq: 31 Oct 2013 5:09 pm

Tgt Ion: 61 Resp: 9025

Ion	Ratio	Lower	Upper
61	100		
96	67.2	48.5	108.5
98	34.4	12.6	72.6
63	28.8	0.0	50.5

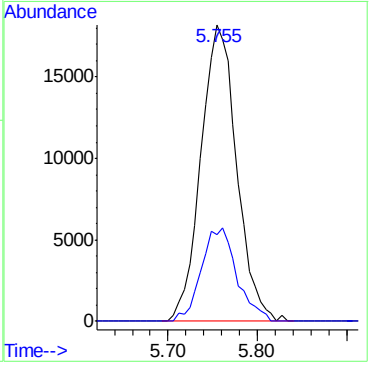


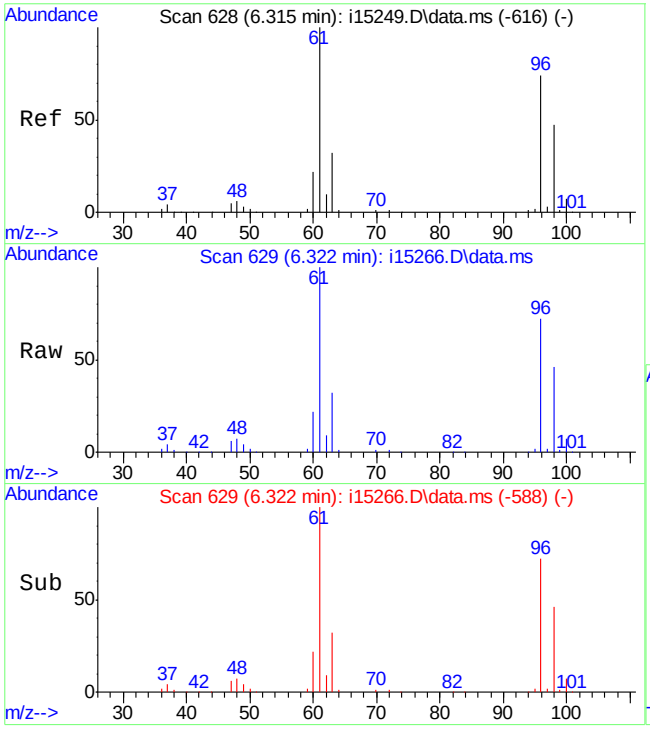


#24
1,1-Dichloroethane
Concen: 3.77 ug/L
RT: 5.755 min Scan# 536
Delta R.T. 0.001 min
Lab File: i15266.D
Acq: 31 Oct 2013 5:09 pm

Tgt Ion: 63 Resp: 50525

Ion	Ratio	Lower	Upper
63	100		
65	29.3	14.5	74.5

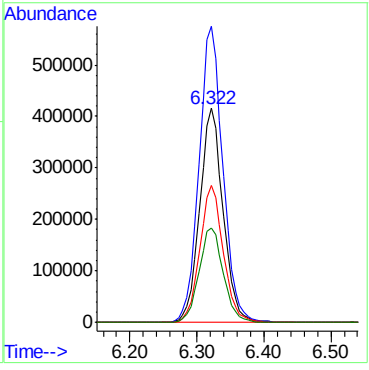


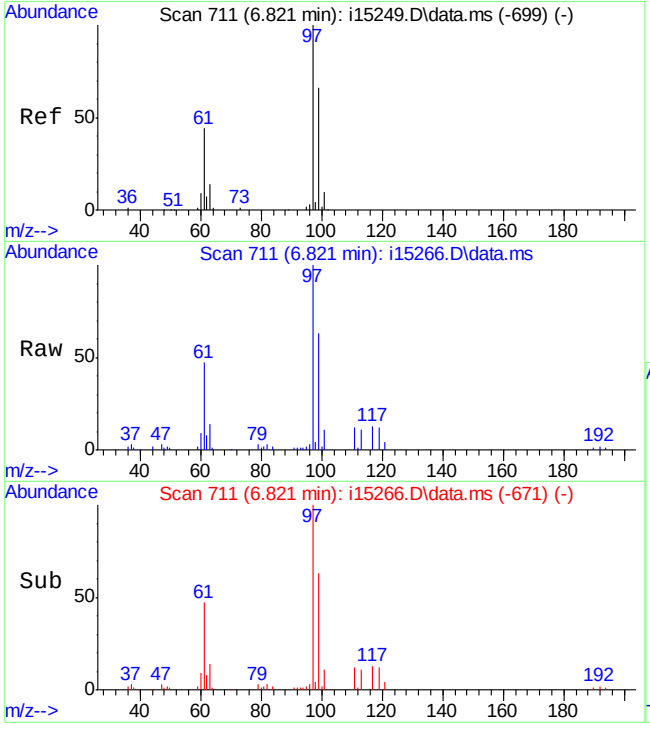


#28
cis-1,2-Dichloroethene
Concen: 134.02 ug/L
RT: 6.322 min Scan# 629
Delta R.T. 0.001 min
Lab File: i15266.D
Acq: 31 Oct 2013 5:09 pm

Tgt Ion: 96 Resp: 999951

Ion	Ratio	Lower	Upper
96	100		
61	138.4	86.5	146.5
98	64.0	17.7	77.7
63	44.2	4.7	64.7

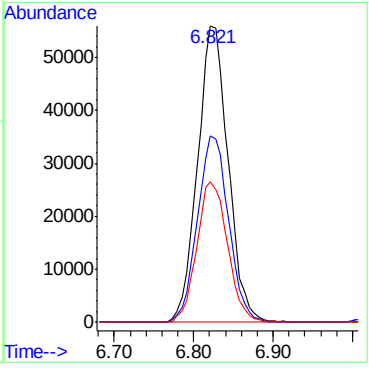


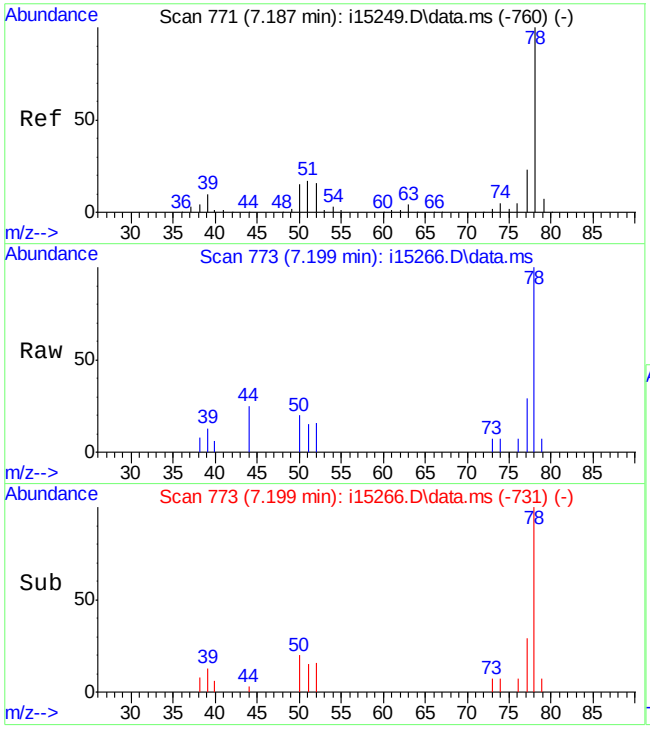


#37
1,1,1-Trichloroethane
Concen: 13.37 ug/L
RT: 6.821 min Scan# 711
Delta R.T. -0.006 min
Lab File: i15266.D
Acq: 31 Oct 2013 5:09 pm

Tgt Ion: 97 Resp: 149238

Ion	Ratio	Lower	Upper
97	100		
99	62.9	47.5	107.5
61	47.2	12.4	72.4

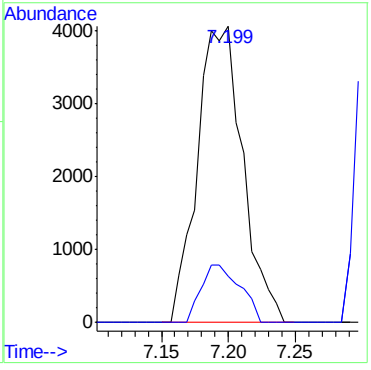


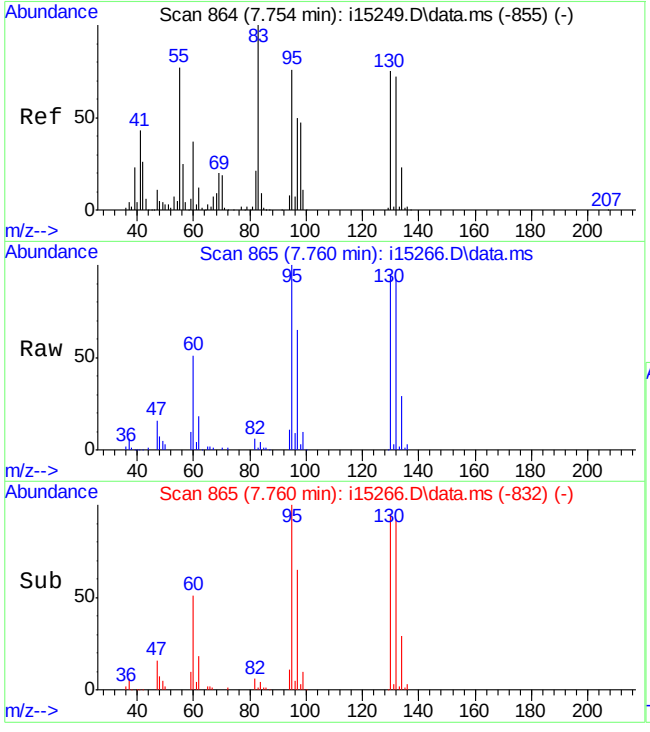


#42
Benzene
Concen: 0.34 ug/L
RT: 7.199 min Scan# 773
Delta R.T. 0.006 min
Lab File: i15266.D
Acq: 31 Oct 2013 5:09 pm

Tgt Ion: 78 Resp: 9562

Ion	Ratio	Lower	Upper
78	100		
51	15.5	1.4	61.4

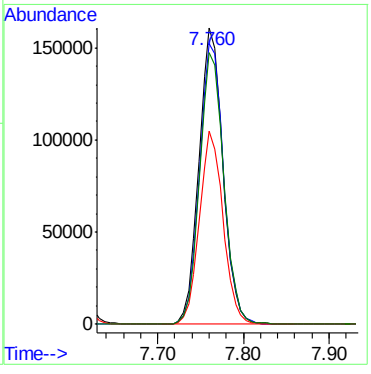


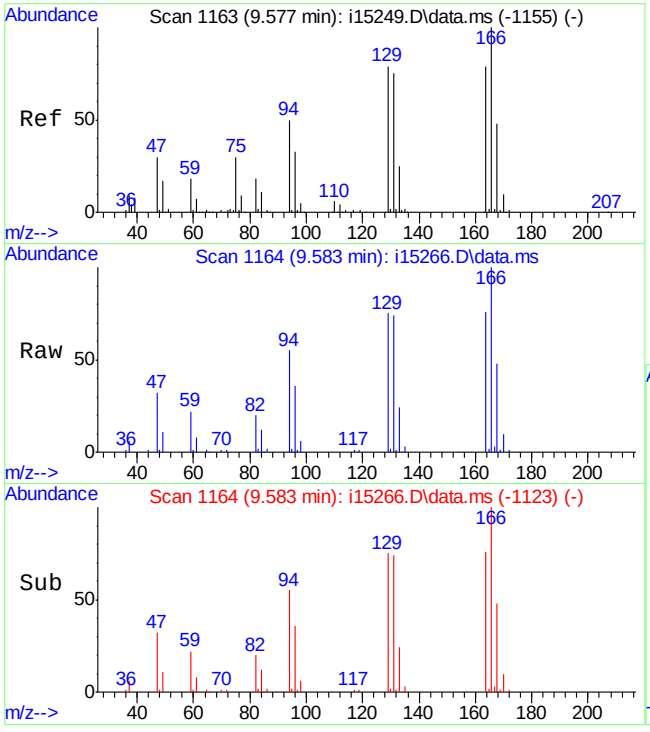


#46
Trichloroethene
Concen: 40.50 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15266.D
Acq: 31 Oct 2013 5:09 pm

Tgt Ion: 95 Resp: 310778

Ion	Ratio	Lower	Upper
95	100		
130	94.8	46.4	106.4
97	65.3	5.1	65.1#
132	91.8	44.1	104.1

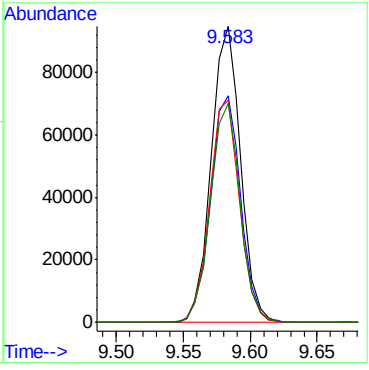


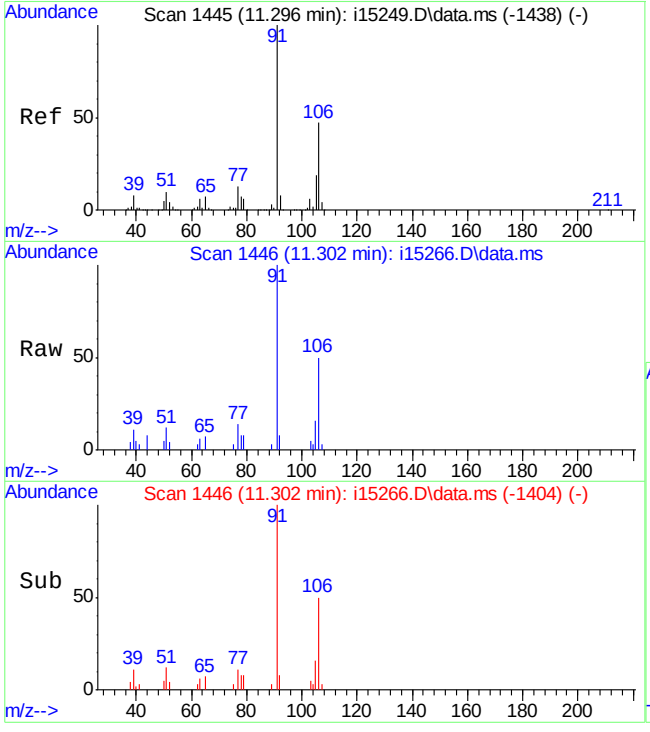


#60
Tetrachloroethene
Concen: 17.76 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. 0.000 min
Lab File: i15266.D
Acq: 31 Oct 2013 5:09 pm

Tgt Ion:166 Resp: 143980

Ion	Ratio	Lower	Upper
166	100		
164	76.5	29.5	89.5
129	75.0	43.7	103.7
131	74.0	39.3	99.3

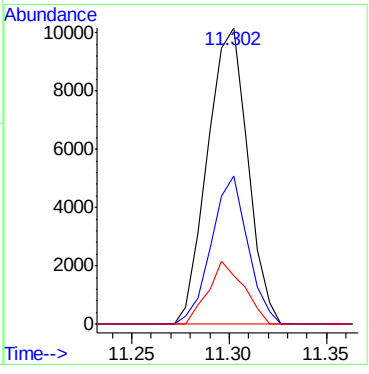




#72
o-Xylene
Concen: 0.64 ug/L
RT: 11.302 min Scan# 1446
Delta R.T. 0.006 min
Lab File: i15266.D
Acq: 31 Oct 2013 5:09 pm

Tgt Ion: 91 Resp: 14659

Ion	Ratio	Lower	Upper
91	100		
106	50.1	12.2	72.2
105	16.4	0.0	54.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15286.D
Acq On : 1 Nov 2013 11:51 am
Operator : WILFREDO
Sample : FA9297-17,5
Misc : ms25560,vi197,,,,,5
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 01 13:20:09 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

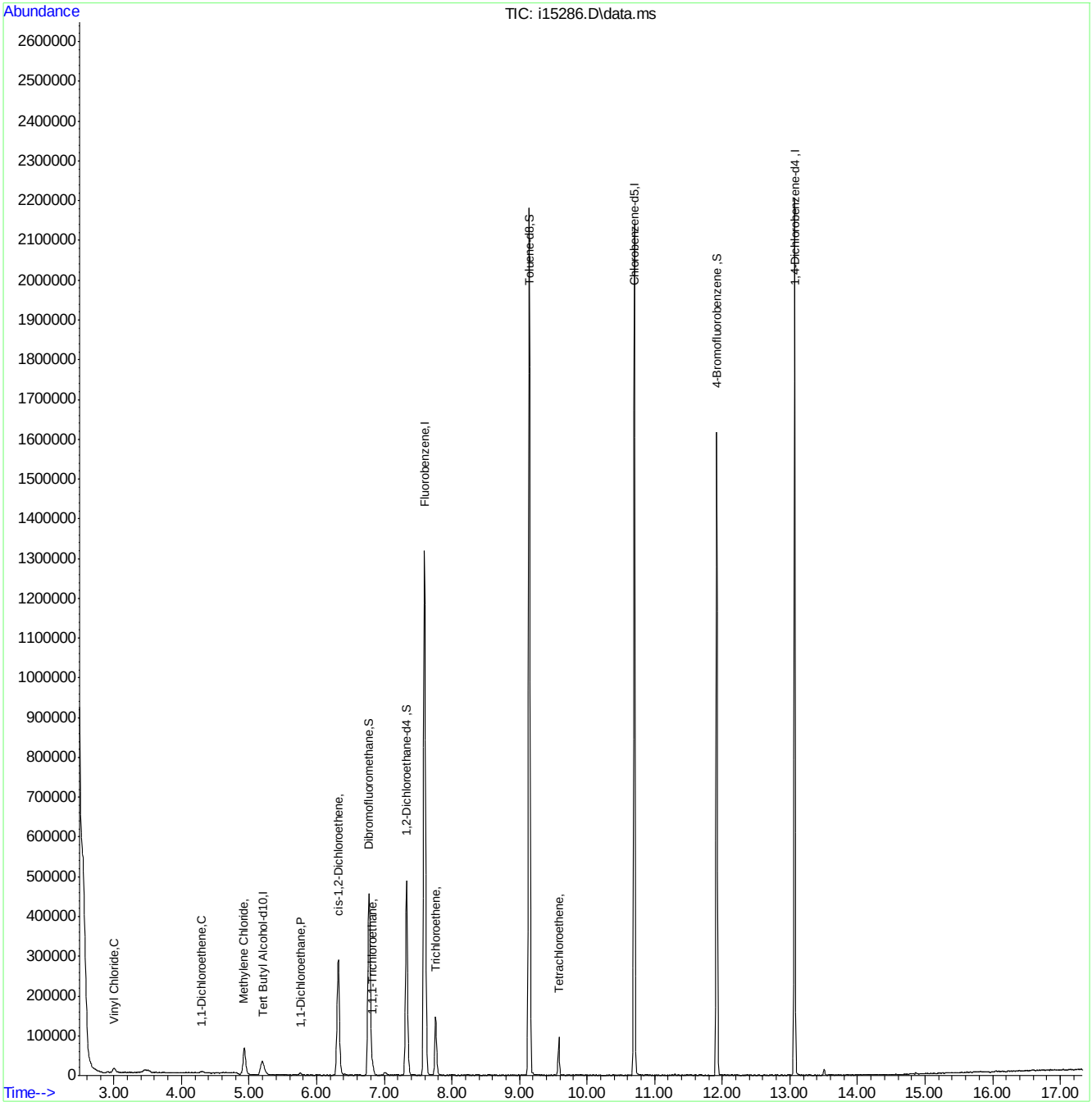
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.595	96	1190312	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	896355	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	410457	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.200	65	72983	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.772	113	327245	48.49	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.98%			
44) 1,2-Dichloroethane-d4	7.327	65	383436	50.00	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.00%			
55) Toluene-d8	9.144	98	1197014	50.64	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.28%			
77) 4-Bromofluorobenzene	11.918	174	315791	49.39	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.78%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.999	62	18117	1.63	ug/L	88
10) 1,1-Dichloroethene	4.297	61	3474	0.29	ug/L	68
15) Methylene Chloride	4.925	49	61008	6.45	ug/L	88
24) 1,1-Dichloroethane	5.760	63	8828	0.71	ug/L	81
28) cis-1,2-Dichloroethene	6.321	96	158843	23.08	ug/L	76
37) 1,1,1-Trichloroethane	6.821	97	24175	2.35	ug/L	89
46) Trichloroethene	7.760	95	50461	7.13	ug/L	71
60) Tetrachloroethene	9.583	166	22977	3.06	ug/L	88

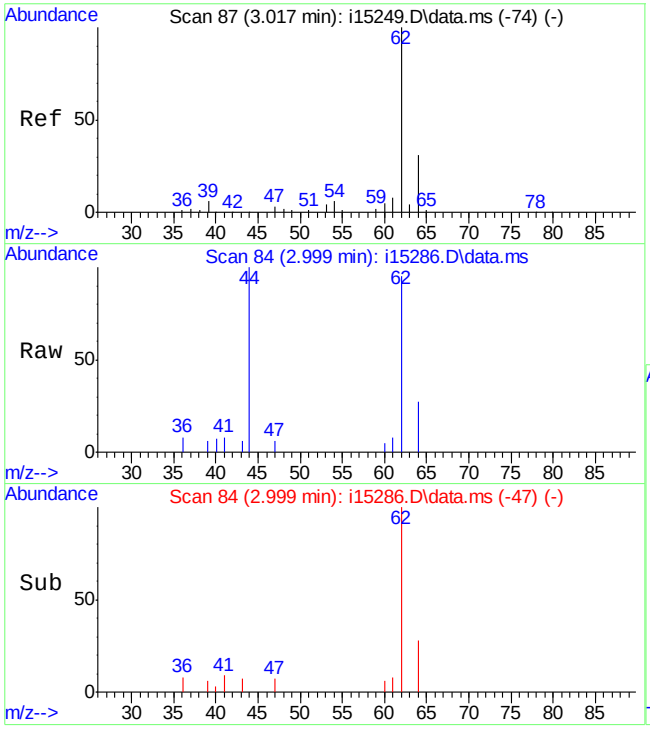
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15286.D
Acq On : 1 Nov 2013 11:51 am
Operator : WILFREDO
Sample : FA9297-17,5
Misc : ms25560,vi197,,,,,5
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Nov 01 13:20:09 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

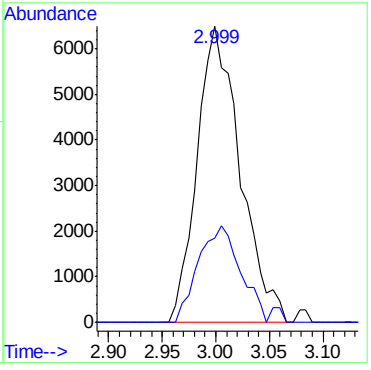


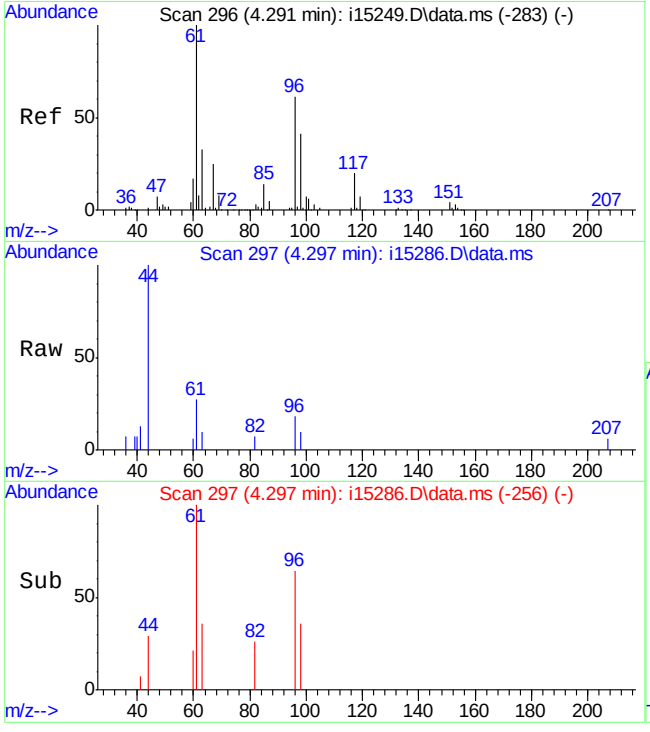


#4
Vinyl Chloride
Concen: 1.63 ug/L
RT: 2.999 min Scan# 84
Delta R.T. -0.024 min
Lab File: i15286.D
Acq: 1 Nov 2013 11:51 am

Tgt Ion: 62 Resp: 18117

Ion	Ratio	Lower	Upper
62	100		
64	28.3	0.0	52.4

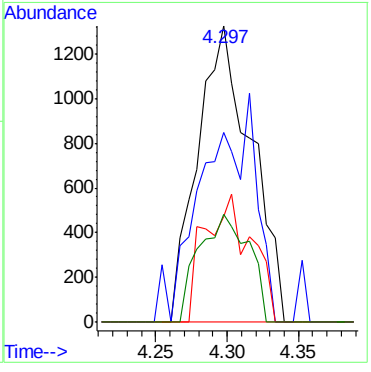


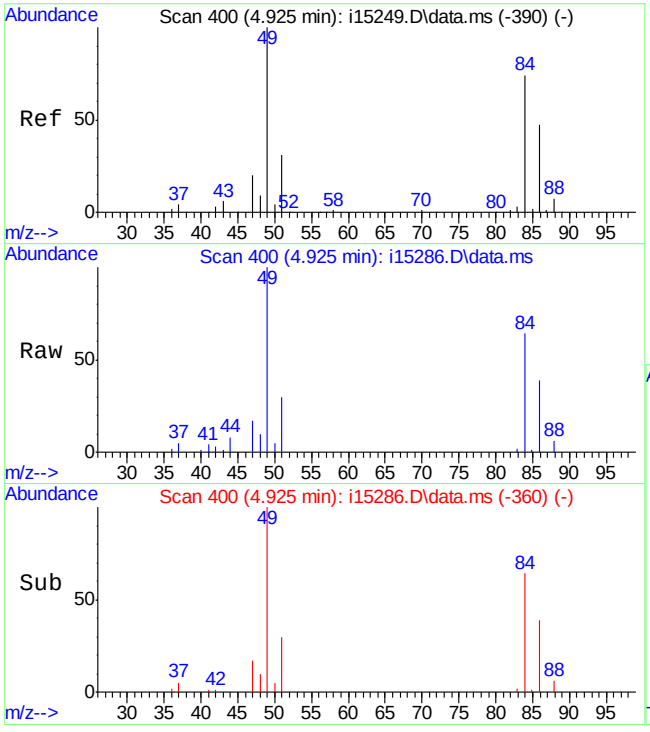


#10
1,1-Dichloroethene
Concen: 0.29 ug/L
RT: 4.297 min Scan# 297
Delta R.T. 0.000 min
Lab File: i15286.D
Acq: 1 Nov 2013 11:51 am

Tgt Ion: 61 Resp: 3474

Ion	Ratio	Lower	Upper
61	100		
96	64.1	14.1	74.1
98	35.8	0.0	54.1
63	36.3	0.0	45.2

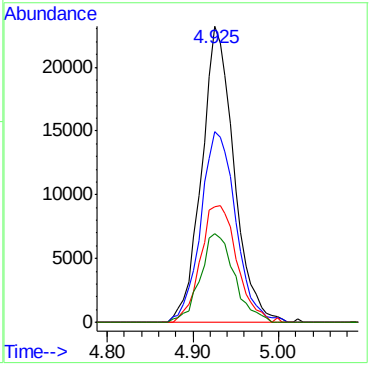


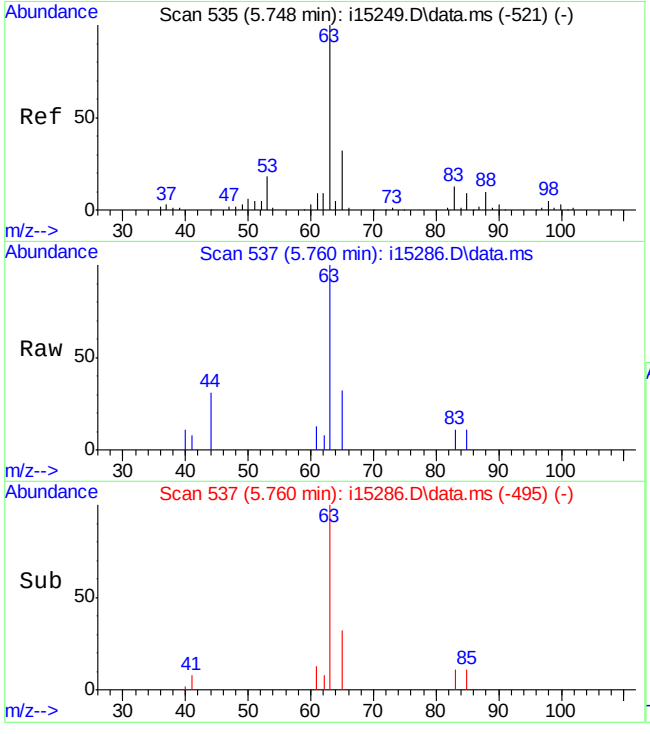


#15
Methylene Chloride
Concen: 6.45 ug/L
RT: 4.925 min Scan# 400
Delta R.T. -0.006 min
Lab File: i15286.D
Acq: 1 Nov 2013 11:51 am

Tgt Ion: 49 Resp: 61008

Ion	Ratio	Lower	Upper
49	100		
84	64.3	38.5	98.5
86	39.0	23.0	83.0
51	30.1	0.0	52.3

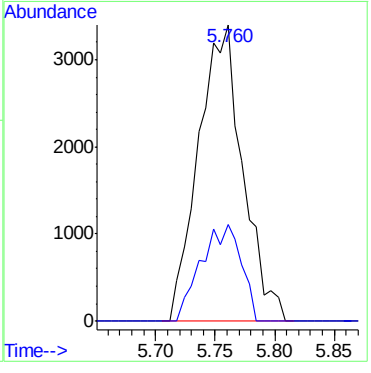


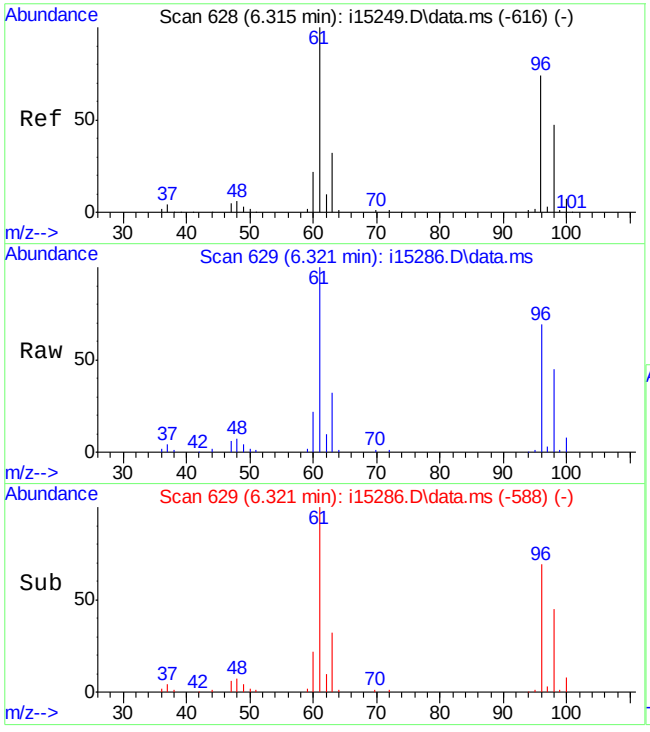


#24
1,1-Dichloroethane
Concen: 0.71 ug/L
RT: 5.760 min Scan# 537
Delta R.T. 0.006 min
Lab File: i15286.D
Acq: 1 Nov 2013 11:51 am

Tgt Ion: 63 Resp: 8828

Ion	Ratio	Lower	Upper
63	100		
65	32.5	14.5	74.5

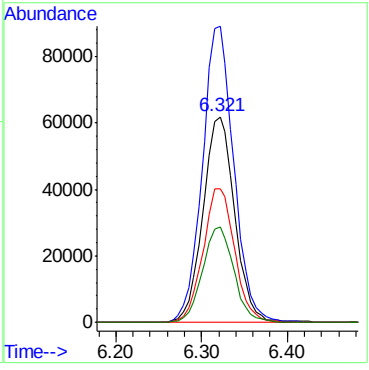


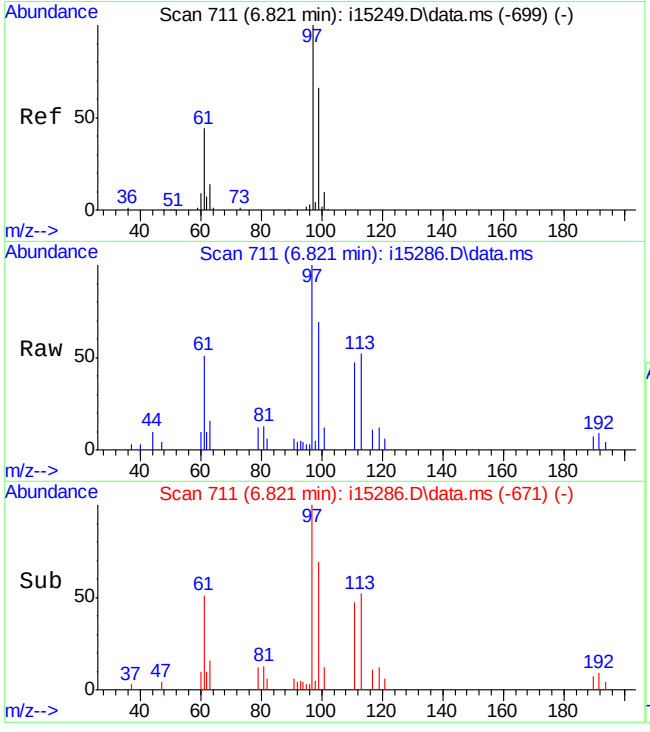


#28
cis-1,2-Dichloroethene
Concen: 23.08 ug/L
RT: 6.321 min Scan# 629
Delta R.T. 0.000 min
Lab File: i15286.D
Acq: 1 Nov 2013 11:51 am

Tgt Ion: 96 Resp: 158843

Ion	Ratio	Lower	Upper
96	100		
61	144.0	86.5	146.5
98	64.9	17.7	77.7
63	46.2	4.7	64.7

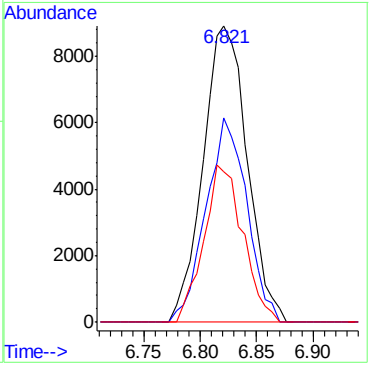


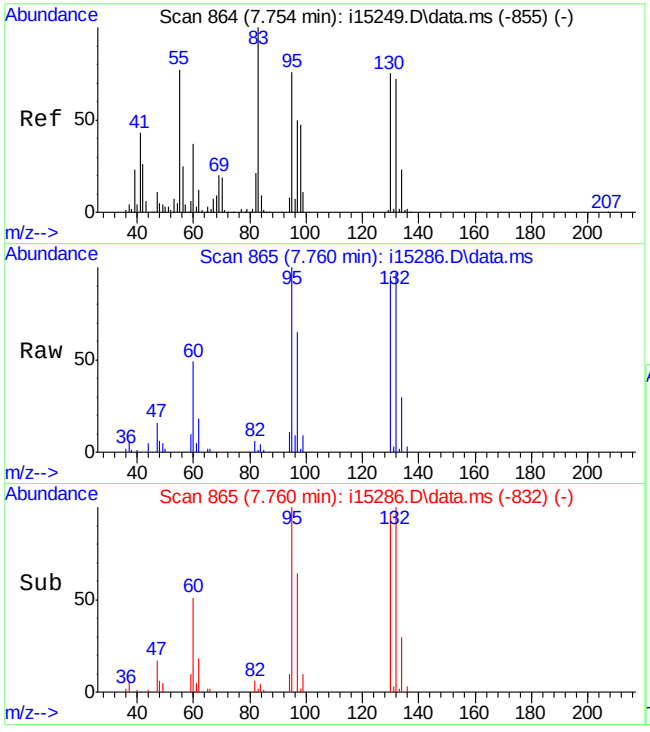


#37
1,1,1-Trichloroethane
Concen: 2.35 ug/L
RT: 6.821 min Scan# 711
Delta R.T. -0.006 min
Lab File: i15286.D
Acq: 1 Nov 2013 11:51 am

Tgt Ion: 97 Resp: 24175

Ion	Ratio	Lower	Upper
97	100		
99	68.8	47.5	107.5
61	50.8	12.4	72.4

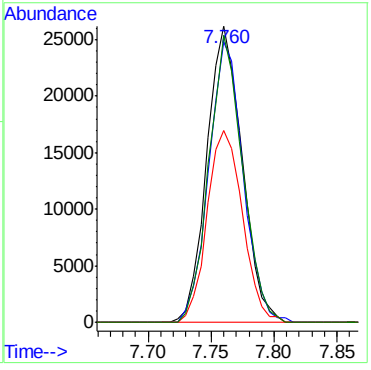


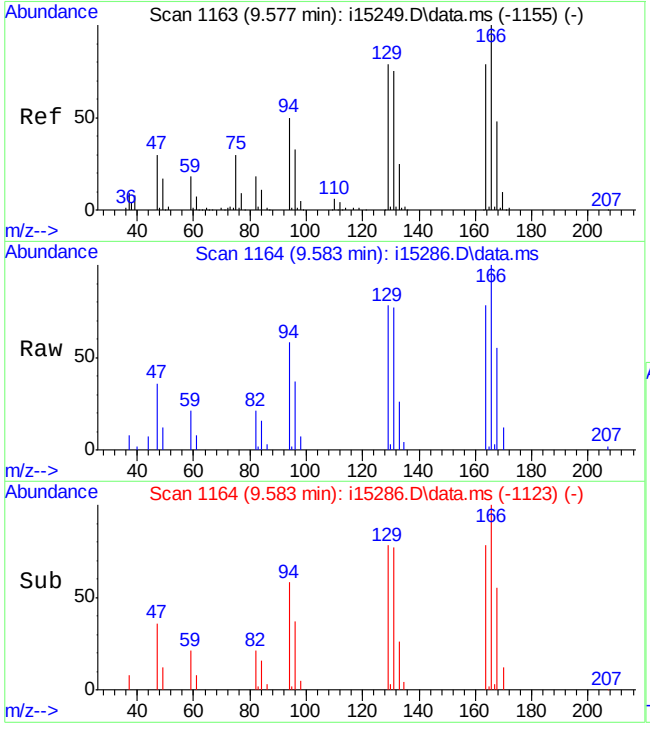


#46
Trichloroethene
Concen: 7.13 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15286.D
Acq: 1 Nov 2013 11:51 am

Tgt Ion: 95 Resp: 50461

Ion	Ratio	Lower	Upper
95	100		
130	94.7	46.4	106.4
97	64.8	5.1	65.1
132	97.0	44.1	104.1

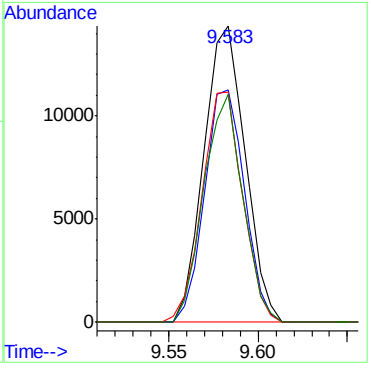




#60
Tetrachloroethene
Concen: 3.06 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. -0.000 min
Lab File: i15286.D
Acq: 1 Nov 2013 11:51 am

Tgt Ion:166 Resp: 22977

Ion	Ratio	Lower	Upper
166	100		
164	78.5	29.5	89.5
129	77.8	43.7	103.7
131	76.9	39.3	99.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19900.D
Acq On : 1 Nov 2013 11:58 am
Operator : melissam
Sample : FA9297-18
Misc : MS25570,VO792,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 07:45:31 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

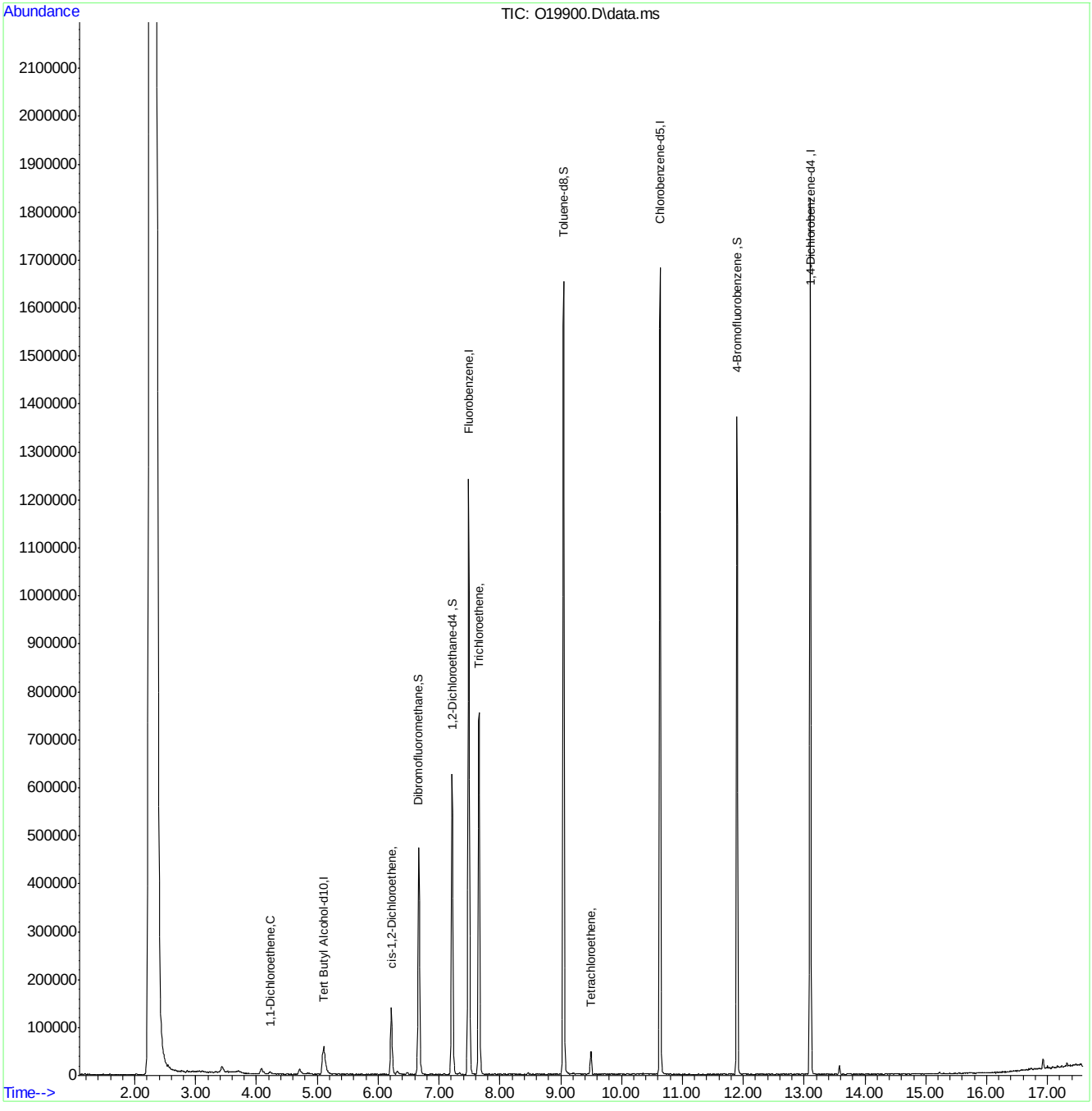
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	836583	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	638226	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	341200	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	81151	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	273247	51.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.34%			
46) 1,2-Dichloroethane-d4	7.214	65	441583	51.07	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.14%			
57) Toluene-d8	9.049	98	806335	49.79	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.58%			
79) 4-Bromofluorobenzene	11.896	95	361602	50.59	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.18%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.232	61	5499	0.40	ug/L	78
29) cis-1,2-Dichloroethene	6.220	96	46870	6.82	ug/L	95
48) Trichloroethene	7.659	95	213812	31.24	ug/L	98
62) Tetrachloroethene	9.494	166	10105	1.47	ug/L	91

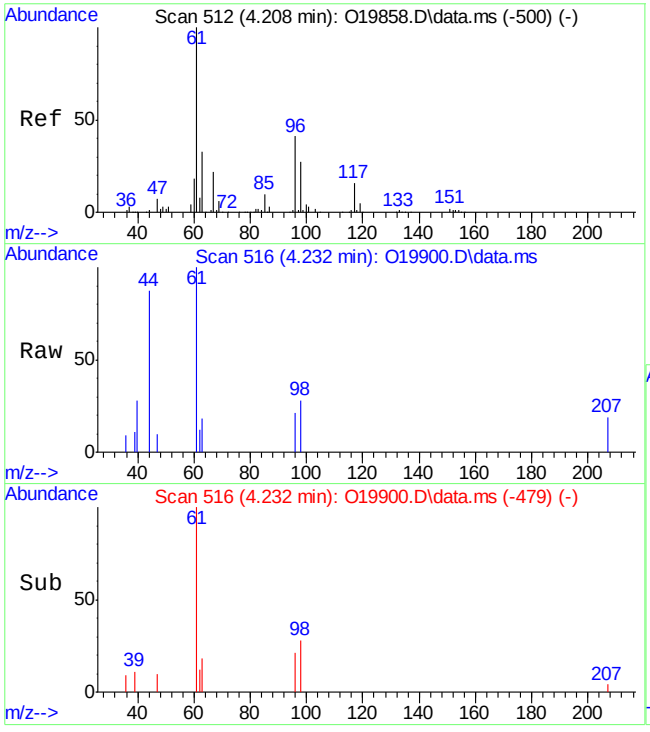
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19900.D
Acq On : 1 Nov 2013 11:58 am
Operator : melissam
Sample : FA9297-18
Misc : MS25570,VO792,,,,,
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Nov 04 07:45:31 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

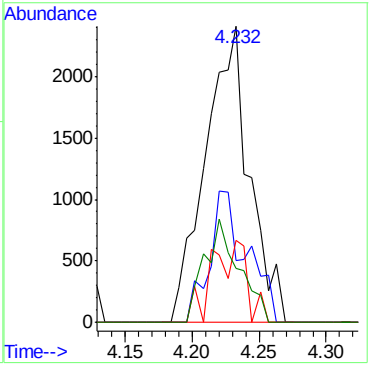


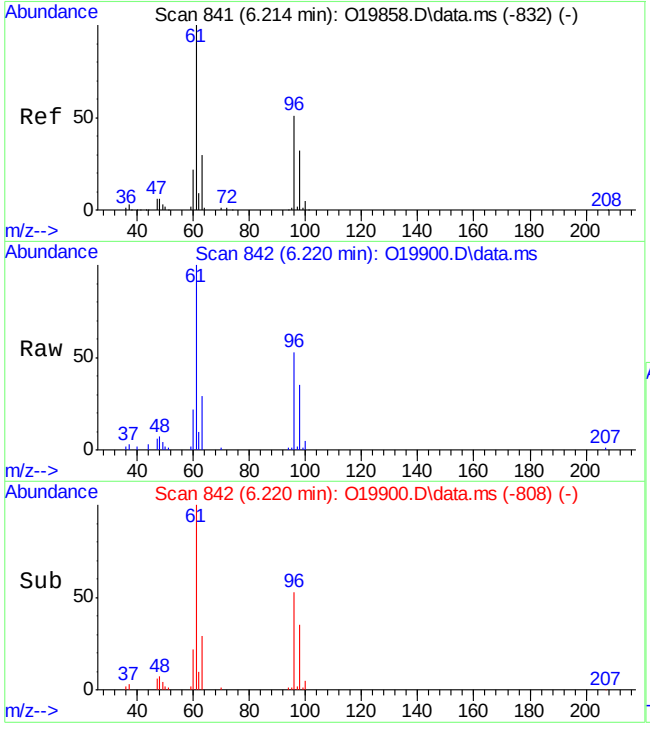


#11
1,1-Dichloroethene
Concen: 0.40 ug/L
RT: 4.232 min Scan# 516
Delta R.T. 0.024 min
Lab File: O19900.D
Acq: 1 Nov 2013 11:58 am

Tgt Ion: 61 Resp: 5499

Ion	Ratio	Lower	Upper
61	100		
96	20.7	10.9	70.9
98	27.6	0.0	57.1
63	18.1	2.6	62.6

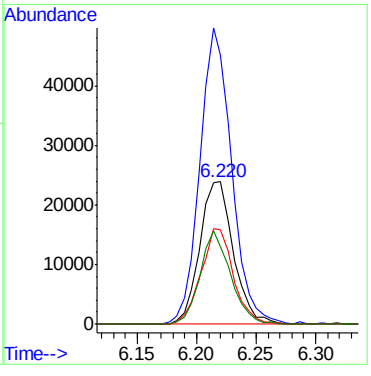


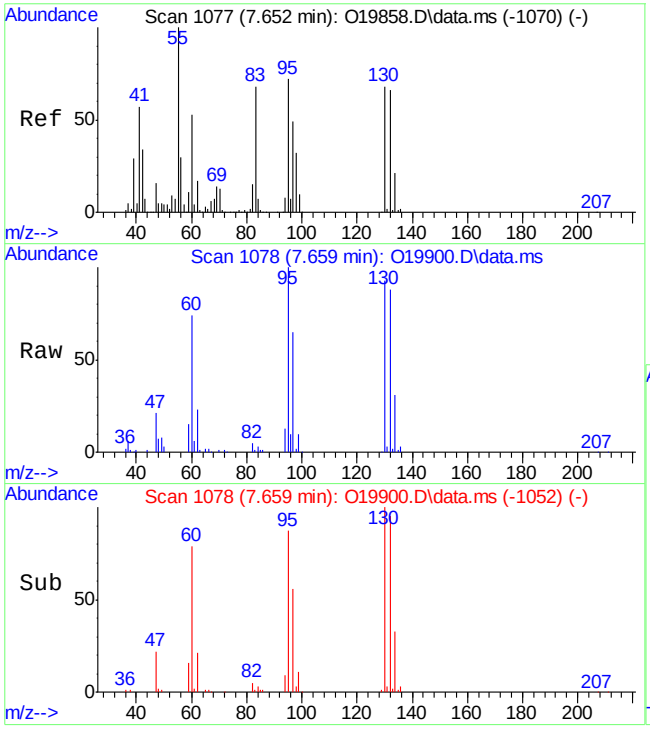


#29
cis-1,2-Dichloroethene
Concen: 6.82 ug/L
RT: 6.220 min Scan# 842
Delta R.T. 0.006 min
Lab File: O19900.D
Acq: 1 Nov 2013 11:58 am

Tgt Ion: 96 Resp: 46870

Ion	Ratio	Lower	Upper
96	100		
61	189.8	166.6	226.6
98	66.8	33.5	93.5
63	54.3	28.5	88.5

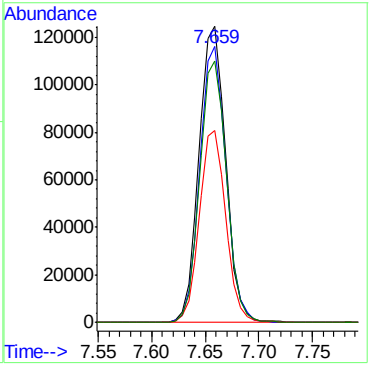


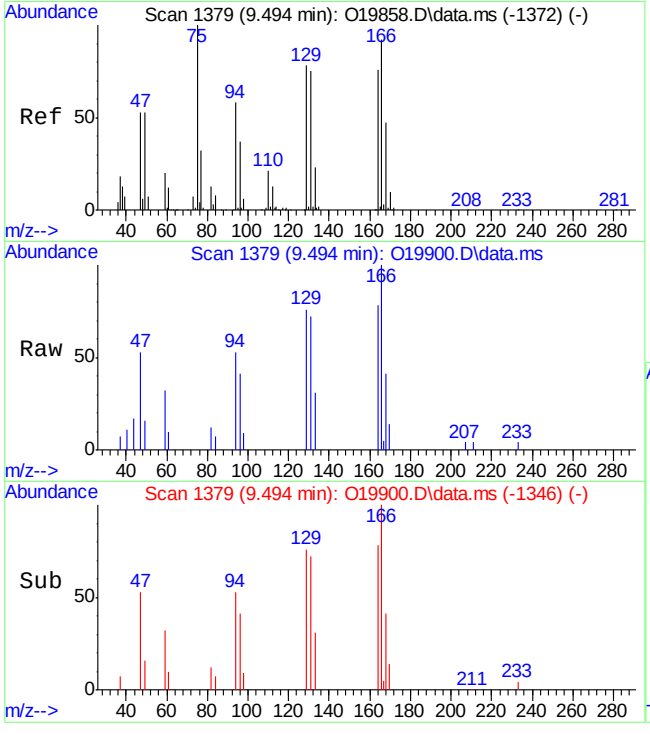


#48
Trichloroethene
Concen: 31.24 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19900.D
Acq: 1 Nov 2013 11:58 am

Tgt Ion: 95 Resp: 213812

Ion	Ratio	Lower	Upper
95	100		
130	93.0	63.6	123.6
97	64.9	38.1	98.1
132	88.2	60.7	120.7

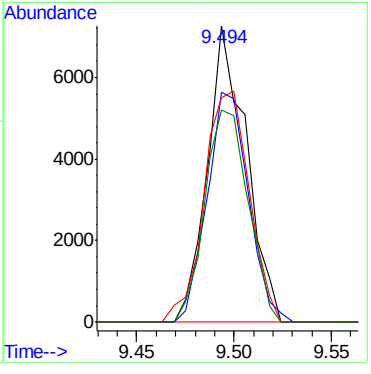




#62
Tetrachloroethene
Concen: 1.47 ug/L
RT: 9.494 min Scan# 1379
Delta R.T. 0.000 min
Lab File: O19900.D
Acq: 1 Nov 2013 11:58 am

Tgt Ion:166 Resp: 10105

Ion	Ratio	Lower	Upper
166	100		
164	77.6	52.5	112.5
129	75.6	54.4	114.4
131	71.6	51.5	111.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19901.D
Acq On : 1 Nov 2013 12:20 pm
Operator : melissam
Sample : FA9297-19,2X
Misc : MS25570,VO792,,,,,2
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 07:46:42 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

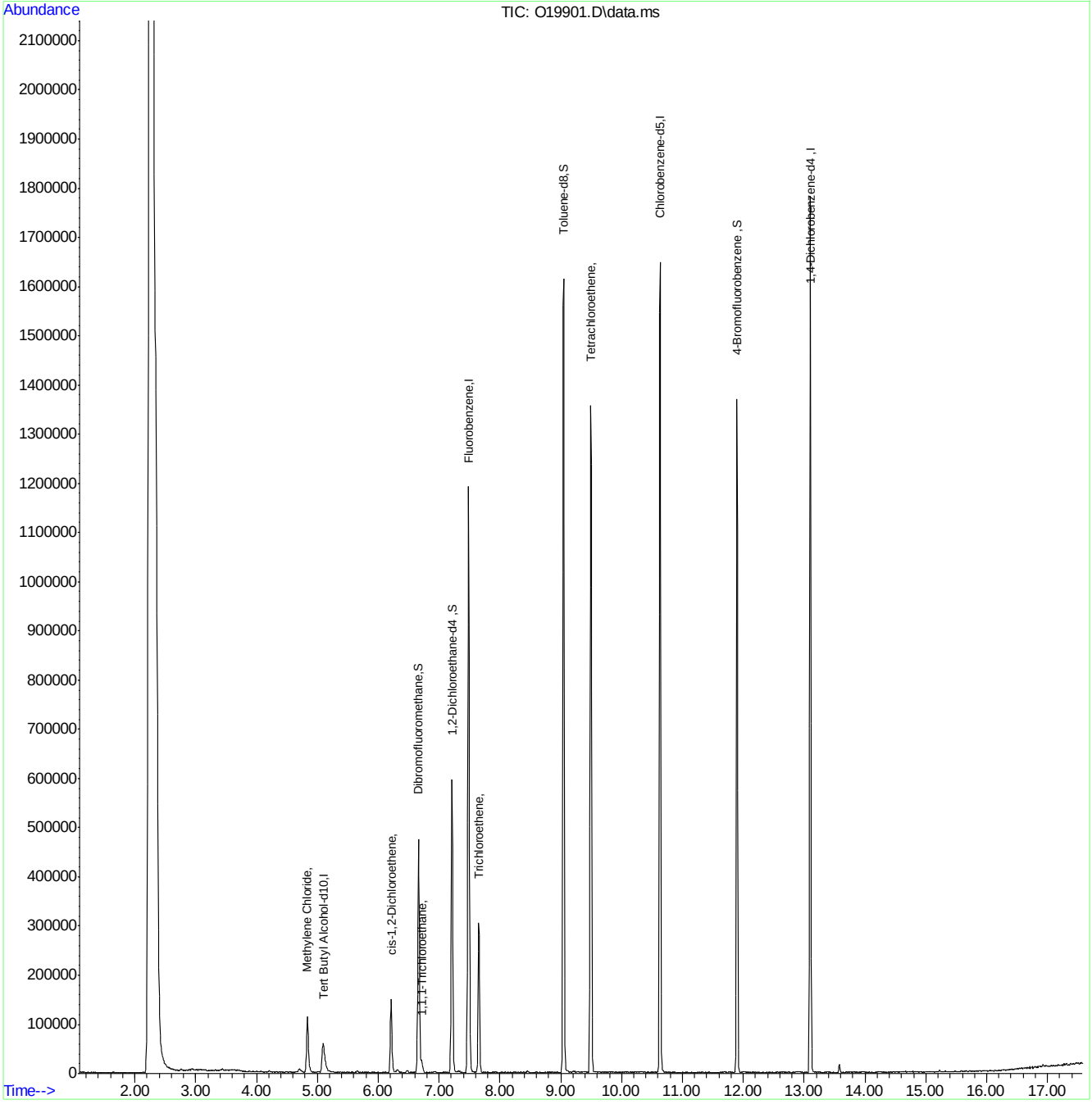
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	807093	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	617543	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	335398	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	81471	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	263620	51.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.34%			
46) 1,2-Dichloroethane-d4	7.214	65	427398	51.24	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.48%			
57) Toluene-d8	9.049	98	789885	50.26	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.52%			
79) 4-Bromofluorobenzene	11.896	95	353212	50.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.72%			
Target Compounds						Qvalue
16) Methylene Chloride	4.836	49	93611	5.96	ug/L	97
29) cis-1,2-Dichloroethene	6.214	96	49115	7.41	ug/L	96
38) 1,1,1-Trichloroethane	6.714	97	14614	1.20	ug/L	97
48) Trichloroethene	7.652	95	85063	12.88	ug/L	98
62) Tetrachloroethene	9.494	166	280758	42.07	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

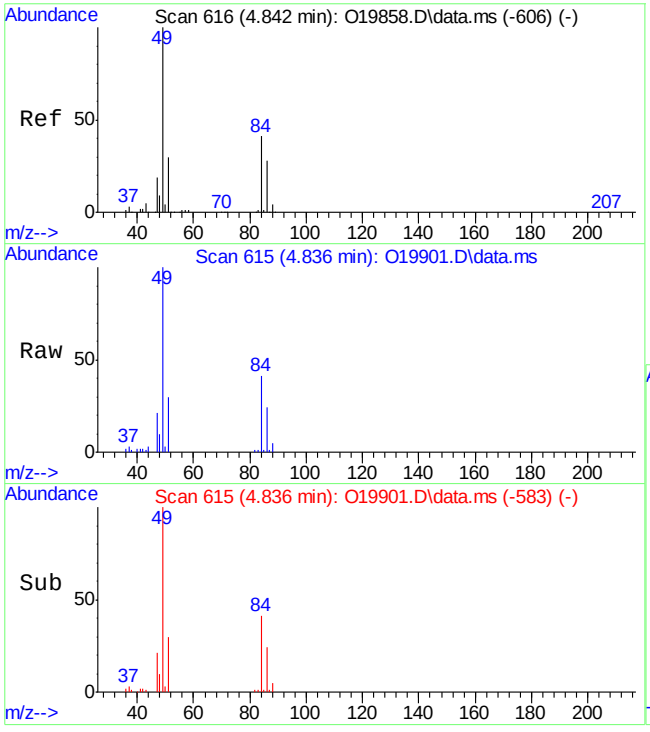
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19901.D
Acq On : 1 Nov 2013 12:20 pm
Operator : melissam
Sample : FA9297-19,2X
Misc : MS25570,VO792,,,,,2
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 04 07:46:42 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



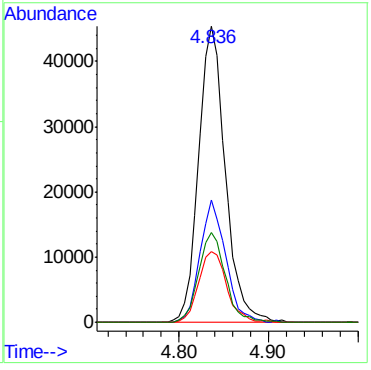
7.1.22
7

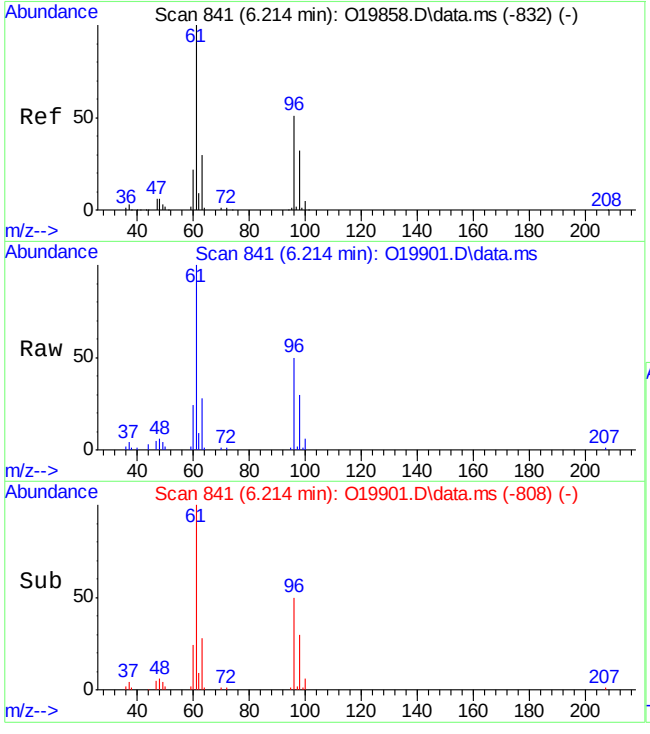


#16
Methylene Chloride
Concen: 5.96 ug/L
RT: 4.836 min Scan# 615
Delta R.T. -0.006 min
Lab File: O19901.D
Acq: 1 Nov 2013 12:20 pm

Tgt Ion: 49 Resp: 93611

Ion	Ratio	Lower	Upper
49	100		
84	41.3	10.6	70.6
86	23.8	0.0	57.7
51	30.2	0.1	60.1

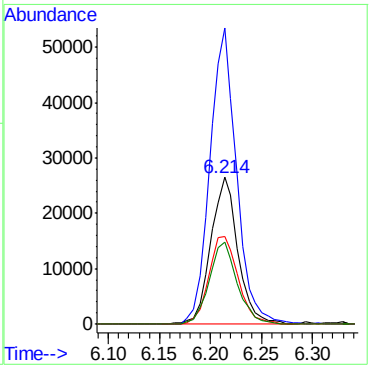


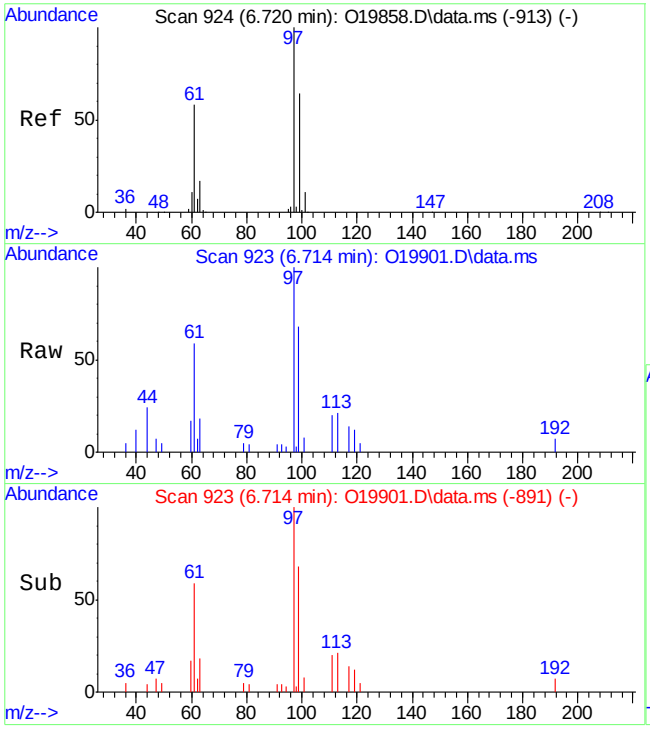


#29
cis-1,2-Dichloroethene
Concen: 7.41 ug/L
RT: 6.214 min Scan# 841
Delta R.T. -0.000 min
Lab File: O19901.D
Acq: 1 Nov 2013 12:20 pm

Tgt Ion: 96 Resp: 49115

Ion	Ratio	Lower	Upper
96	100		
61	201.6	166.6	226.6
98	59.6	33.5	93.5
63	56.0	28.5	88.5

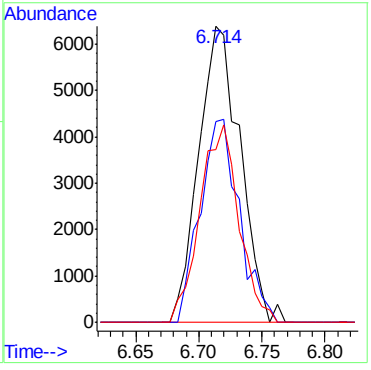


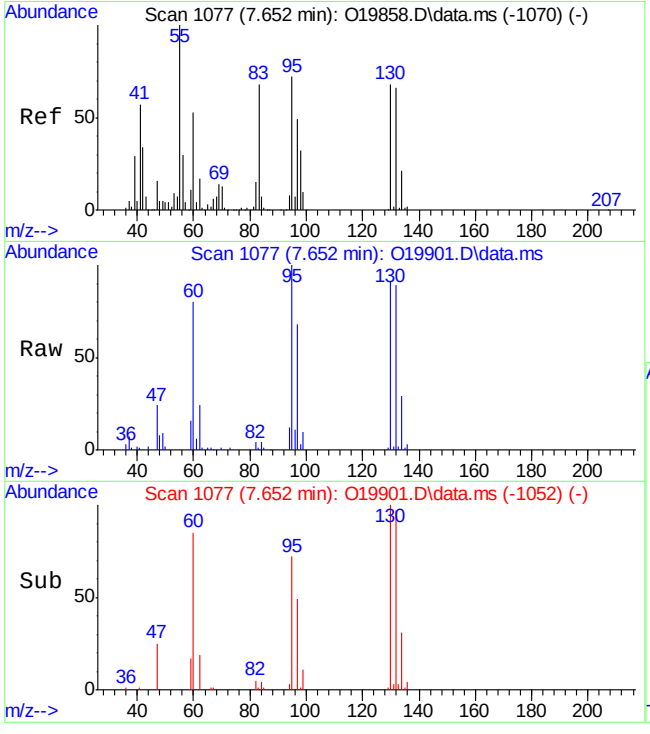


#38
1,1,1-Trichloroethane
Concen: 1.20 ug/L
RT: 6.714 min Scan# 923
Delta R.T. -0.006 min
Lab File: O19901.D
Acq: 1 Nov 2013 12:20 pm

Tgt Ion: 97 Resp: 14614

Ion	Ratio	Lower	Upper
97	100		
99	67.9	34.3	94.3
61	58.5	28.2	88.2

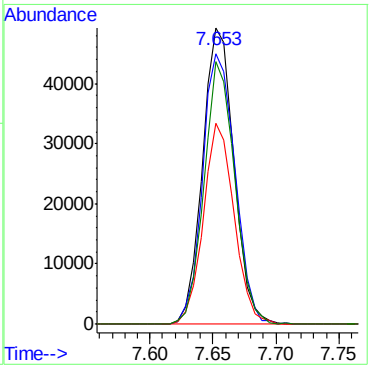


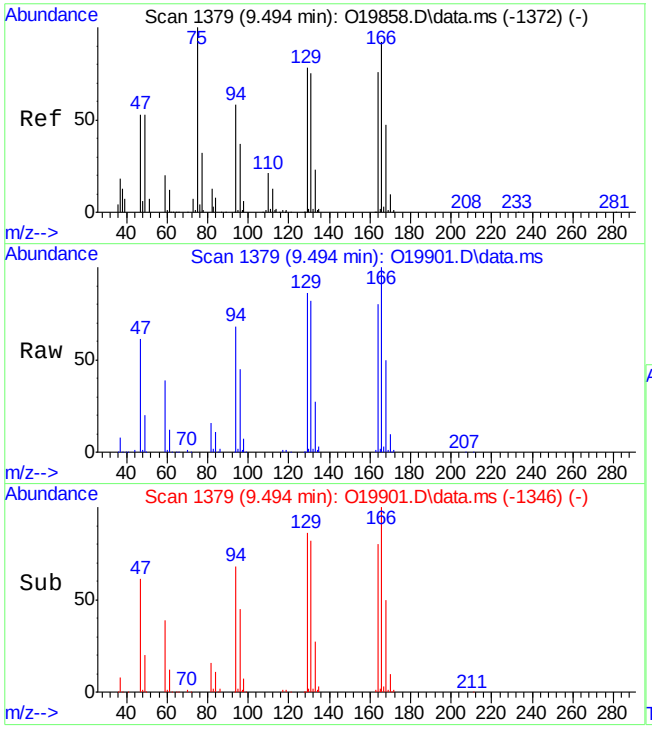


#48
Trichloroethene
Concen: 12.88 ug/L
RT: 7.652 min Scan# 1077
Delta R.T. 0.000 min
Lab File: O19901.D
Acq: 1 Nov 2013 12:20 pm

Tgt Ion: 95 Resp: 85063

Ion	Ratio	Lower	Upper
95	100		
130	91.4	63.6	123.6
97	68.0	38.1	98.1
132	88.6	60.7	120.7

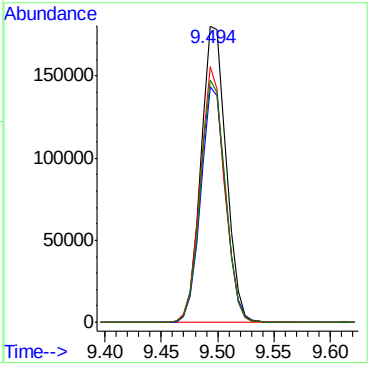




#62
Tetrachloroethene
Concen: 42.07 ug/L
RT: 9.494 min Scan# 1379
Delta R.T. 0.000 min
Lab File: O19901.D
Acq: 1 Nov 2013 12:20 pm

Tgt Ion:166 Resp: 280758

Ion	Ratio	Lower	Upper
166	100		
164	79.6	52.5	112.5
129	86.3	54.4	114.4
131	81.8	51.5	111.5



7.1.22

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19911.D
Acq On : 1 Nov 2013 5:15 pm
Operator : melissam
Sample : FA9297-19
Misc : MS25570,VO792,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 04 08:41:53 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

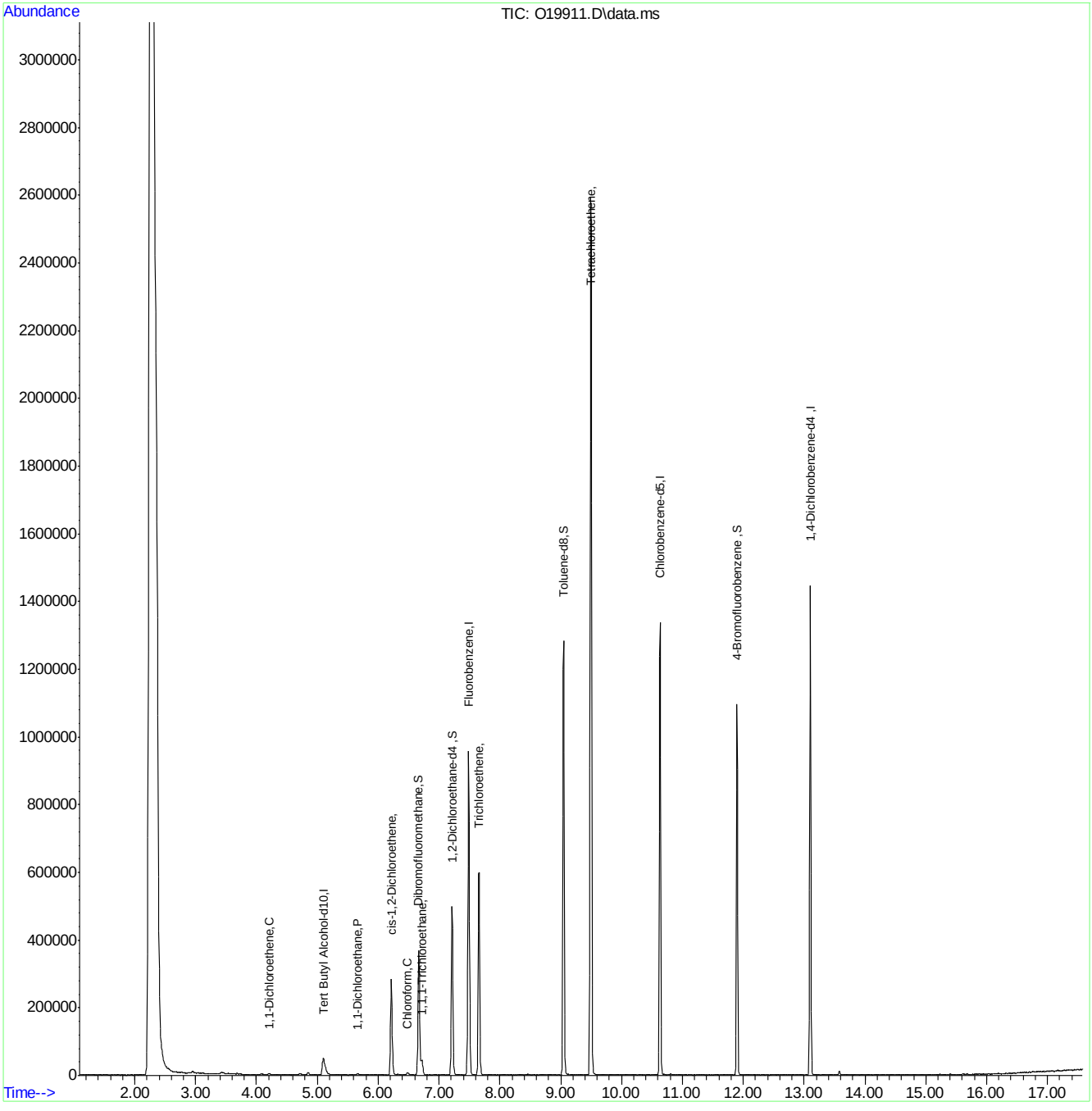
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	626051	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	481574	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	260581	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	67643	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	210059	52.30	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.60%			
46) 1,2-Dichloroethane-d4	7.214	65	355720	54.98	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 109.96%			
57) Toluene-d8	9.049	98	609842	49.88	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.76%			
79) 4-Bromofluorobenzene	11.896	95	278530	50.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.82%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.208	61	4508	0.43	ug/L	95
25) 1,1-Dichloroethane	5.665	63	4917	0.42	ug/L	98
29) cis-1,2-Dichloroethene	6.214	96	91636	17.81	ug/L	93
33) Chloroform	6.482	83	4218	0.42	ug/L	95
38) 1,1,1-Trichloroethane	6.720	97	30981	3.28	ug/L	98
48) Trichloroethene	7.659	95	166743	32.55	ug/L	96
62) Tetrachloroethene	9.500	166	525265	100.93	ug/L	97

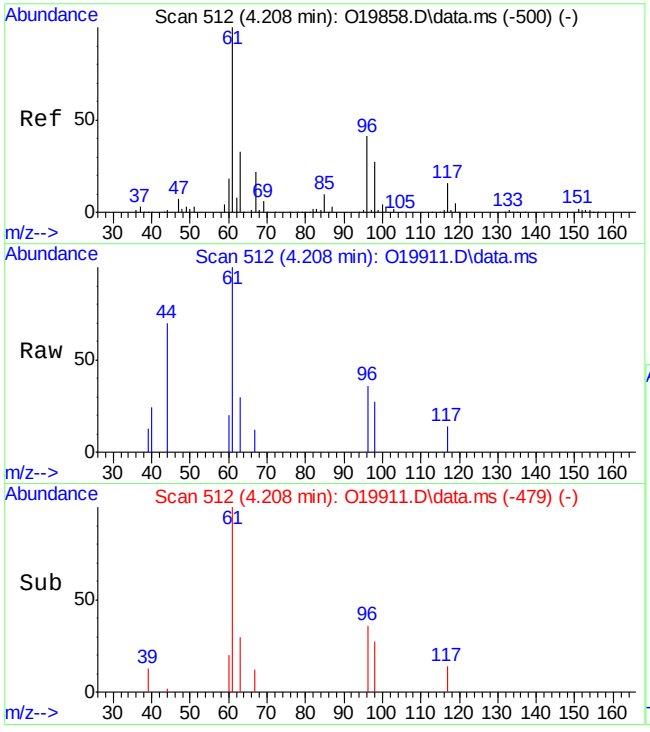
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19911.D
Acq On : 1 Nov 2013 5:15 pm
Operator : melissam
Sample : FA9297-19
Misc : MS25570,VO792,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 04 08:41:53 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

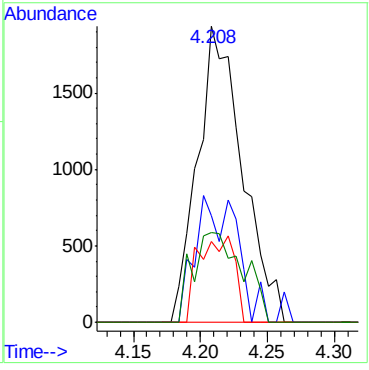


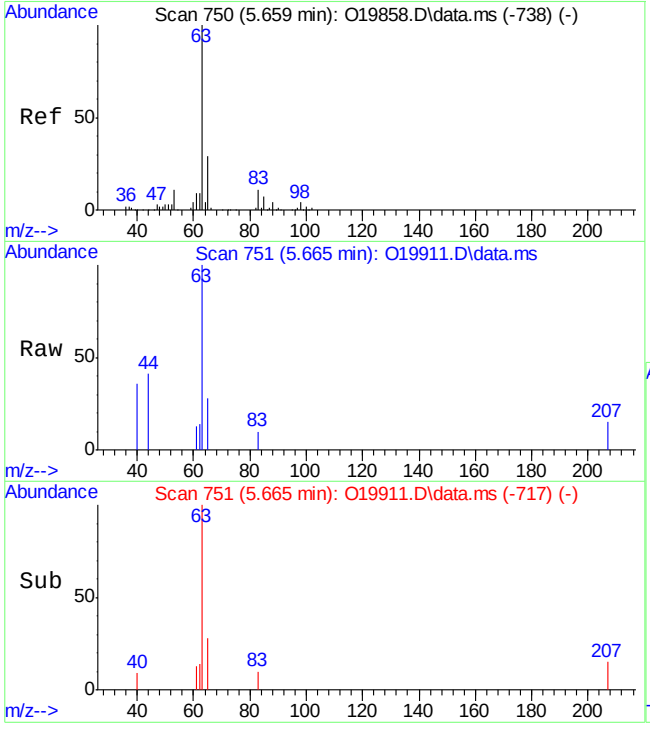


#11
1,1-Dichloroethene
Concen: 0.43 ug/L
RT: 4.208 min Scan# 512
Delta R.T. 0.000 min
Lab File: O19911.D
Acq: 1 Nov 2013 5:15 pm

Tgt Ion: 61 Resp: 4508

Ion	Ratio	Lower	Upper
61	100		
96	35.9	10.9	70.9
98	27.2	0.0	57.1
63	30.3	2.6	62.6

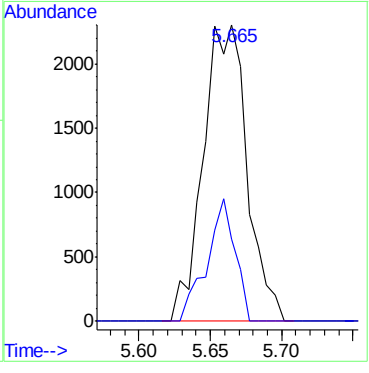


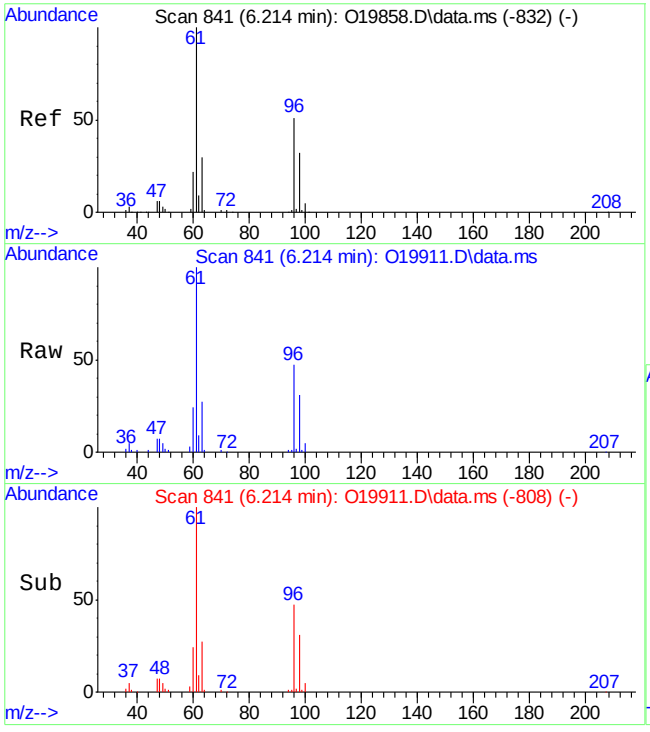


#25
1,1-Dichloroethane
Concen: 0.42 ug/L
RT: 5.665 min Scan# 751
Delta R.T. 0.006 min
Lab File: O19911.D
Acq: 1 Nov 2013 5:15 pm

Tgt Ion: 63 Resp: 4917

Ion	Ratio	Lower	Upper
63	100		
65	27.6	0.0	58.8

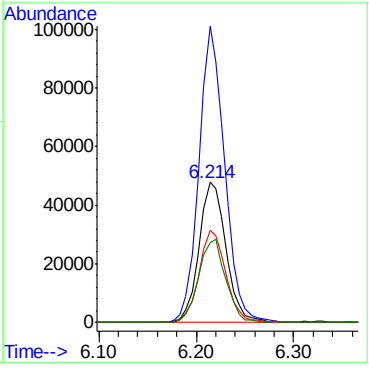


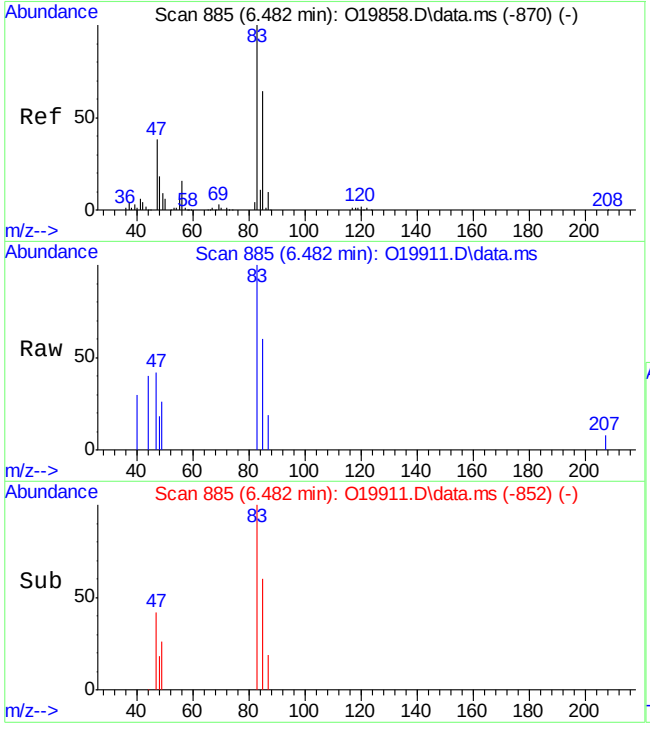


#29
cis-1,2-Dichloroethene
Concen: 17.81 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19911.D
Acq: 1 Nov 2013 5:15 pm

Tgt Ion: 96 Resp: 91636

Ion	Ratio	Lower	Upper
96	100		
61	211.8	166.6	226.6
98	65.9	33.5	93.5
63	57.0	28.5	88.5

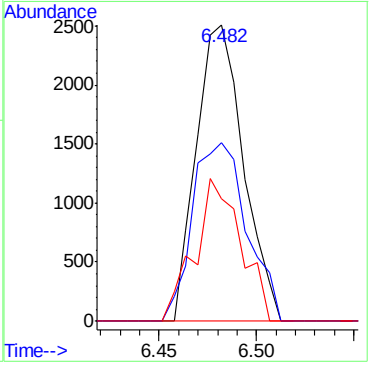


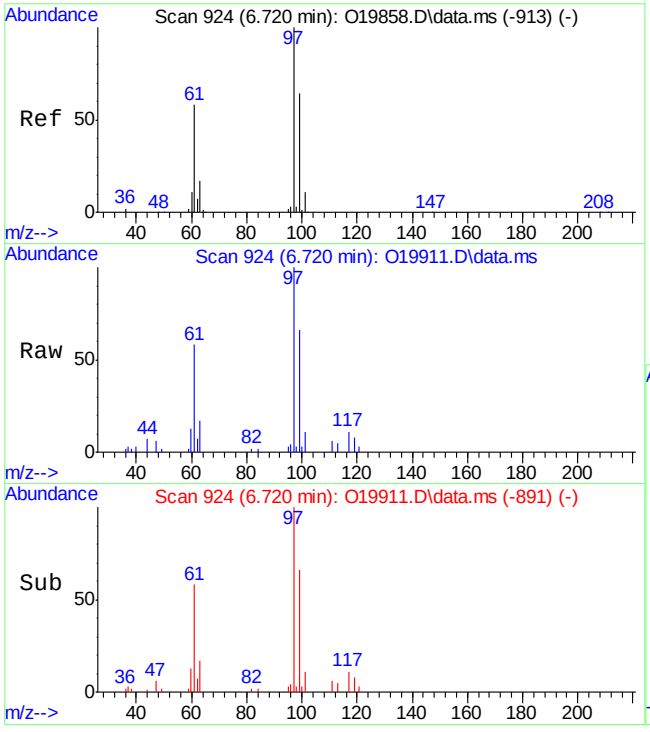


#33
Chloroform
Concen: 0.42 ug/L
RT: 6.482 min Scan# 885
Delta R.T. 0.000 min
Lab File: O19911.D
Acq: 1 Nov 2013 5:15 pm

Tgt Ion: 83 Resp: 4218

Ion	Ratio	Lower	Upper
83	100		
85	60.2	33.6	93.6
47	41.5	8.1	68.1

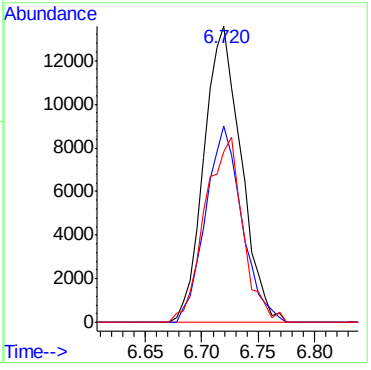


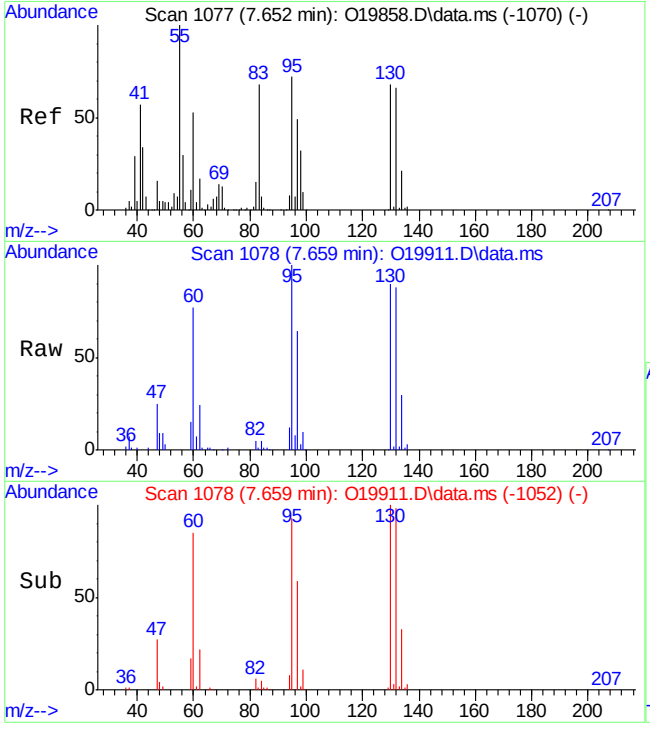


#38
1,1,1-Trichloroethane
Concen: 3.28 ug/L
RT: 6.720 min Scan# 924
Delta R.T. 0.000 min
Lab File: O19911.D
Acq: 1 Nov 2013 5:15 pm

Tgt Ion: 97 Resp: 30981

Ion	Ratio	Lower	Upper
97	100		
99	66.3	34.3	94.3
61	57.7	28.2	88.2

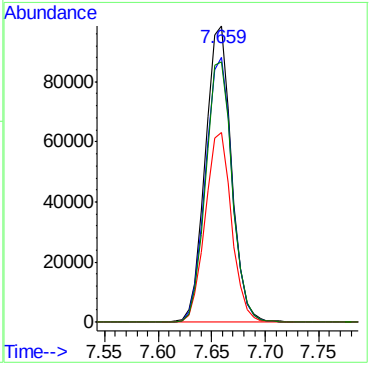


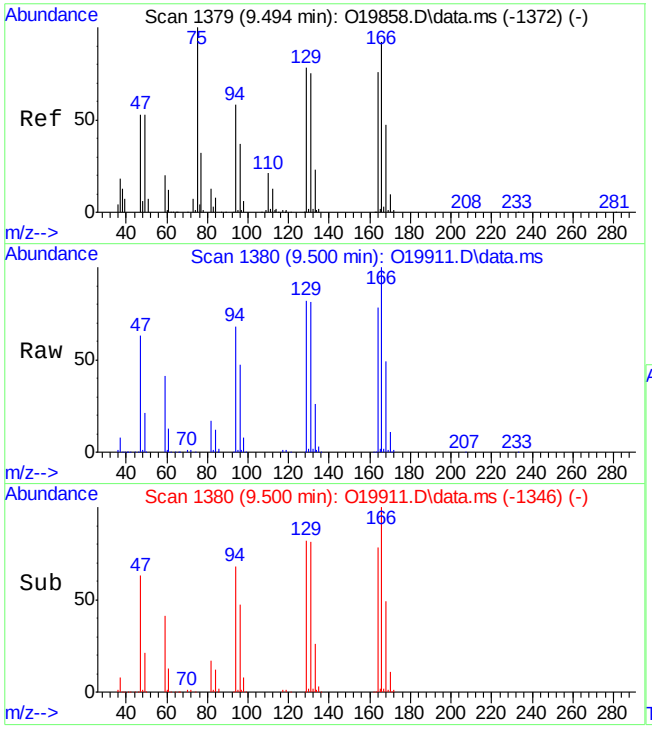


#48
Trichloroethene
Concen: 32.55 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19911.D
Acq: 1 Nov 2013 5:15 pm

Tgt Ion: 95 Resp: 166743

Ion	Ratio	Lower	Upper
95	100		
130	89.5	63.6	123.6
97	64.1	38.1	98.1
132	87.8	60.7	120.7

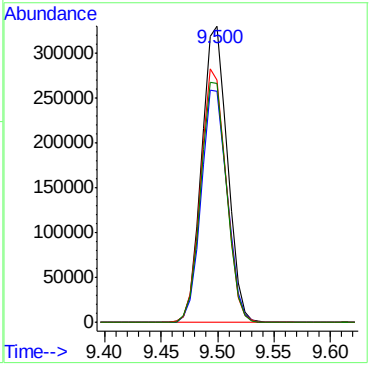




#62
Tetrachloroethene
Concen: 100.93 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19911.D
Acq: 1 Nov 2013 5:15 pm

Tgt Ion:166 Resp: 525265

Ion	Ratio	Lower	Upper
166	100		
164	78.2	52.5	112.5
129	81.9	54.4	114.4
131	80.8	51.5	111.5



7.1.23

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15267.D
Acq On : 31 Oct 2013 5:33 pm
Operator : WILFREDO
Sample : FA9297-20
Misc : ms25560,vi196,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 01 09:42:28 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

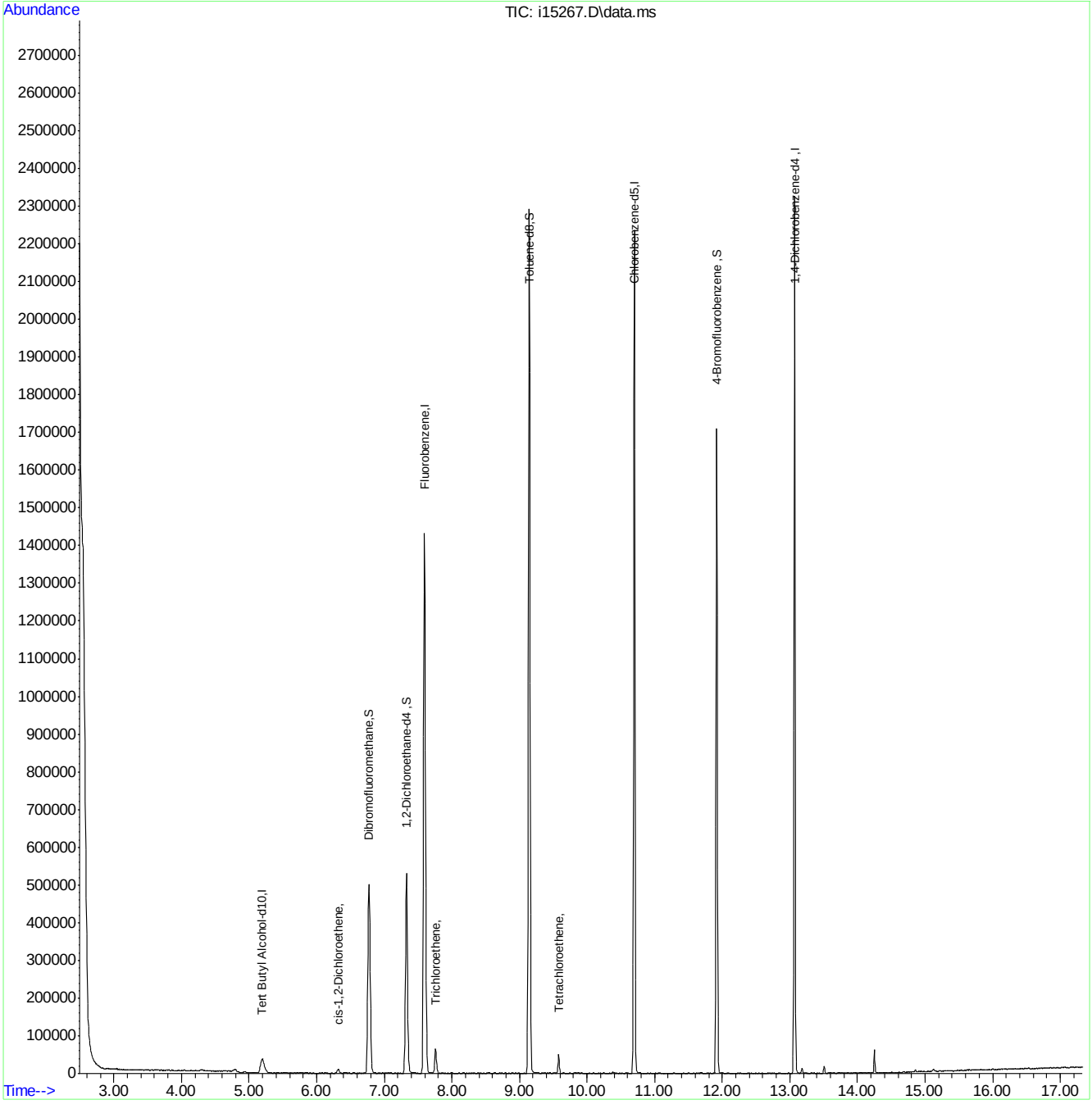
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1250906	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	940237	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	438438	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	78242	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	342141	48.25	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.50%			
44) 1,2-Dichloroethane-d4	7.327	65	404120	50.15	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.30%			
55) Toluene-d8	9.144	98	1255619	50.64	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.28%			
77) 4-Bromofluorobenzene	11.918	174	334348	48.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.92%			
Target Compounds						Qvalue
28) cis-1,2-Dichloroethene	6.321	96	6007	0.83	ug/L #	72
46) Trichloroethene	7.760	95	21319	2.87	ug/L #	69
60) Tetrachloroethene	9.583	166	11066	1.40	ug/L	95

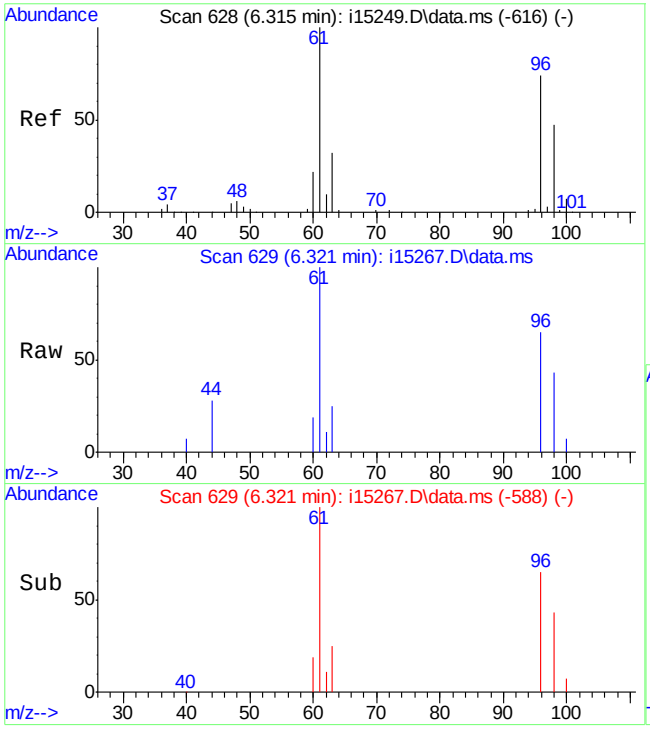
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15267.D
Acq On : 31 Oct 2013 5:33 pm
Operator : WILFREDO
Sample : FA9297-20
Misc : ms25560,vi196,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 01 09:42:28 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

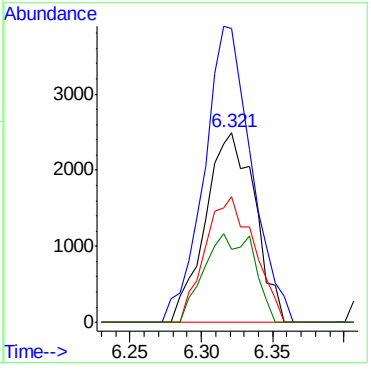


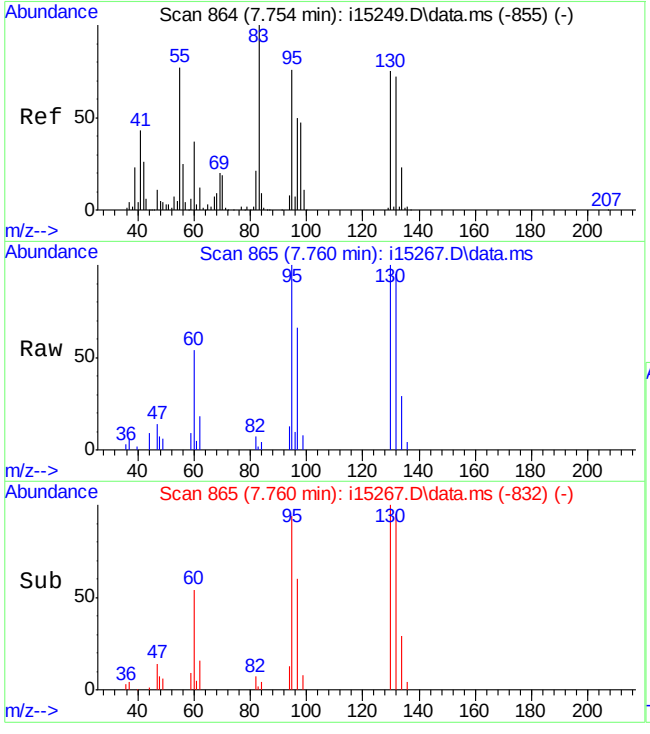


#28
cis-1,2-Dichloroethene
Concen: 0.83 ug/L
RT: 6.321 min Scan# 629
Delta R.T. 0.000 min
Lab File: i15267.D
Acq: 31 Oct 2013 5:33 pm

Tgt Ion: 96 Resp: 6007

Ion	Ratio	Lower	Upper
96	100		
61	154.7	86.5	146.5#
98	66.1	17.7	77.7
63	38.7	4.7	64.7

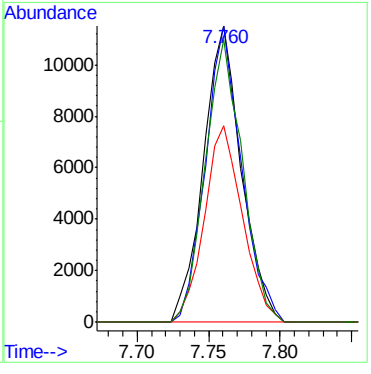


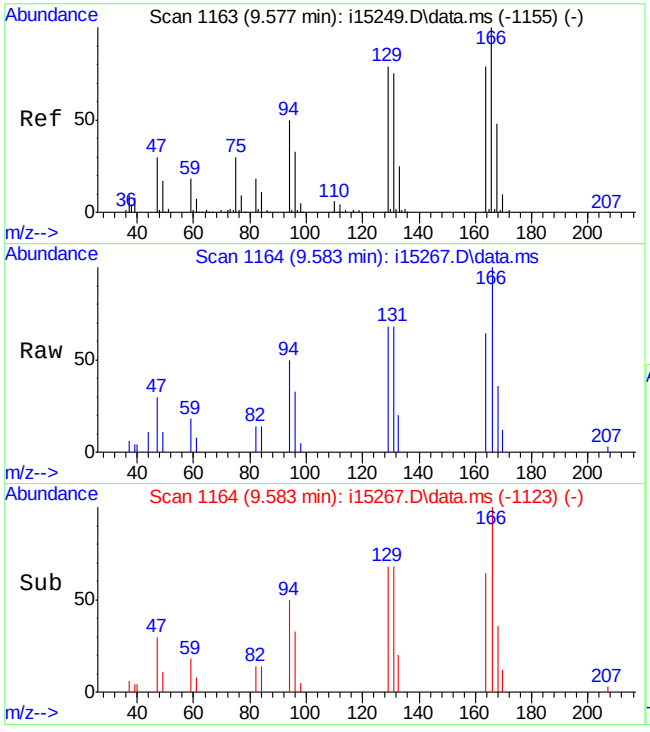


#46
Trichloroethene
Concen: 2.87 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15267.D
Acq: 31 Oct 2013 5:33 pm

Tgt Ion: 95 Resp: 21319

Ion	Ratio	Lower	Upper
95	100		
130	100.1	46.4	106.4
97	66.3	5.1	65.1#
132	95.4	44.1	104.1

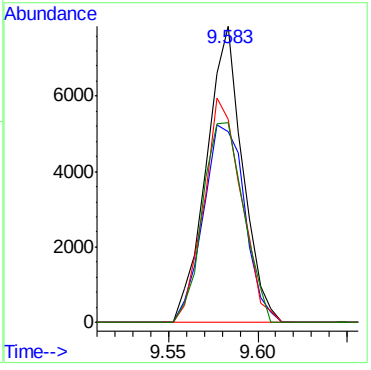




#60
Tetrachloroethene
Concen: 1.40 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. 0.000 min
Lab File: i15267.D
Acq: 31 Oct 2013 5:33 pm

Tgt Ion:166 Resp: 11066

Ion	Ratio	Lower	Upper
166	100		
164	64.3	29.5	89.5
129	68.4	43.7	103.7
131	67.6	39.3	99.3



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19902.D
Acq On : 1 Nov 2013 12:41 pm
Operator : melissam
Sample : FA9297-21
Misc : MS25570,VO792,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 07:48:12 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

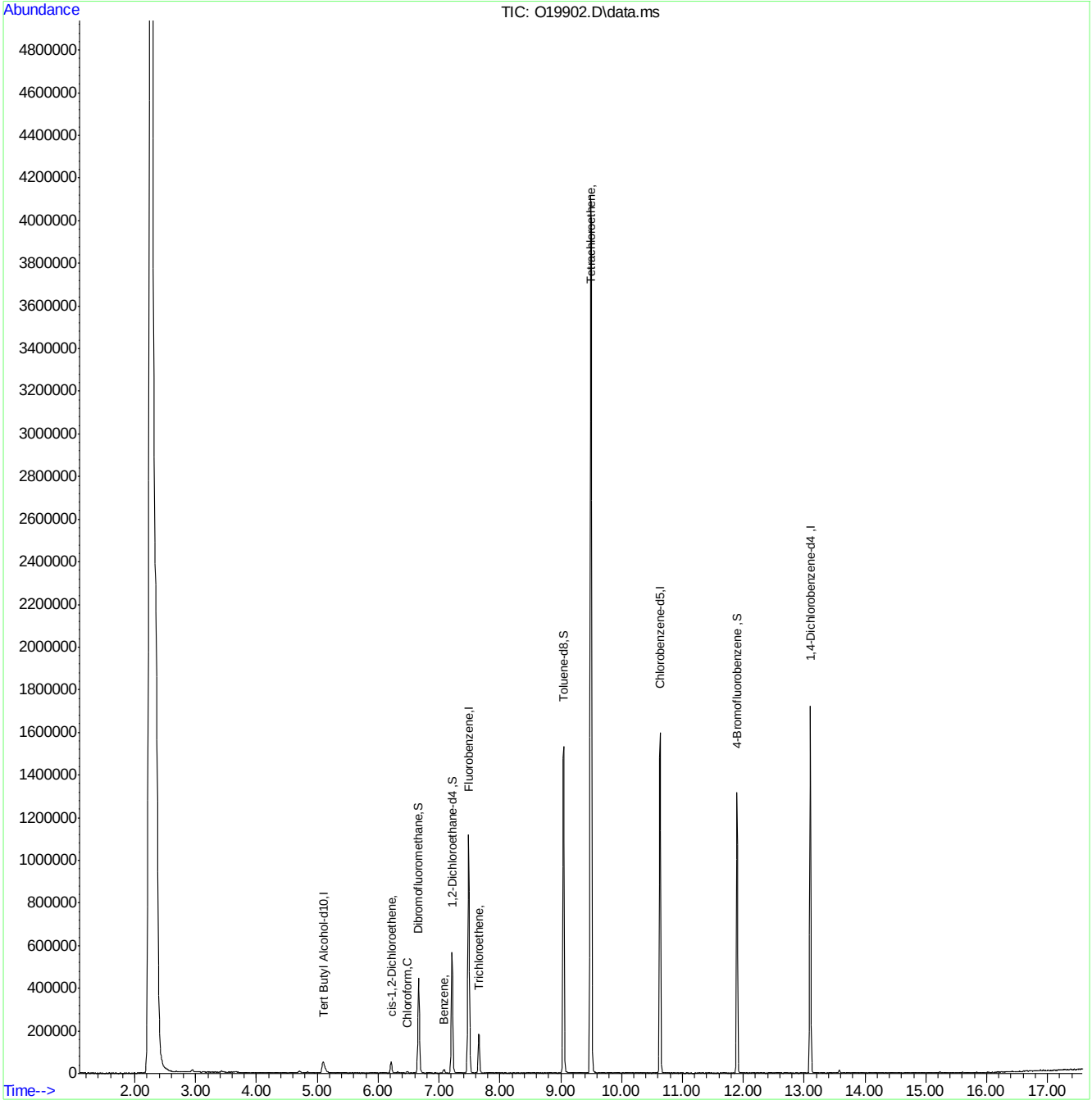
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	769339	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	599681	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	321268	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	75270	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	252795	51.42	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.84%			
46) 1,2-Dichloroethane-d4	7.214	65	406405	51.11	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.22%			
57) Toluene-d8	9.049	98	745928	49.20	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.40%			
79) 4-Bromofluorobenzene	11.896	95	335153	50.01	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.02%			
Target Compounds						Qvalue
29) cis-1,2-Dichloroethene	6.214	96	18677	2.95	ug/L	95
33) Chloroform	6.482	83	4424	0.36	ug/L	86
44) Benzene	7.086	78	10723	0.51	ug/L	95
48) Trichloroethene	7.653	95	52890	8.40	ug/L	98
62) Tetrachloroethene	9.500	166	861500	132.93	ug/L	97

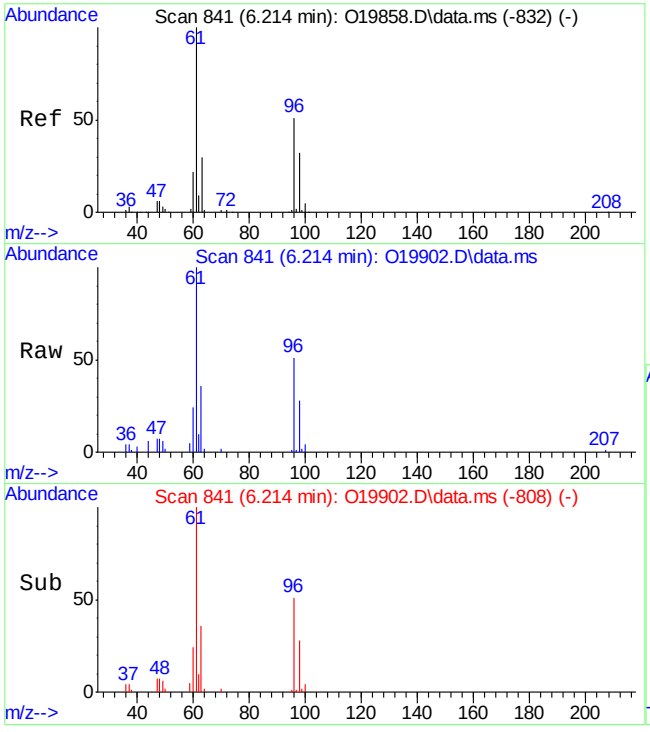
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19902.D
Acq On : 1 Nov 2013 12:41 pm
Operator : melissam
Sample : FA9297-21
Misc : MS25570,VO792,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Nov 04 07:48:12 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

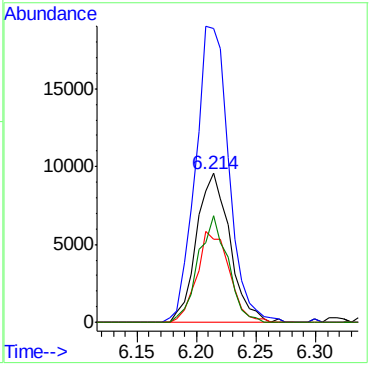


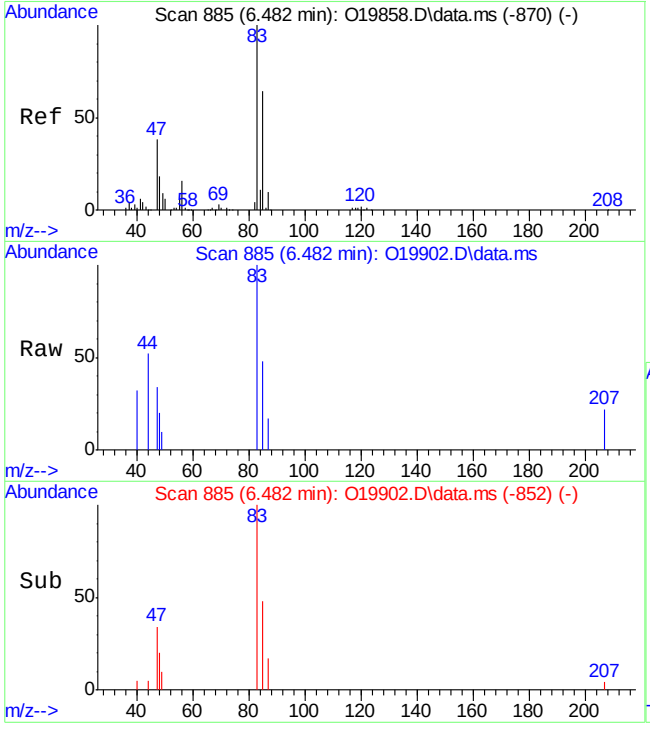


#29
cis-1,2-Dichloroethene
Concen: 2.95 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19902.D
Acq: 1 Nov 2013 12:41 pm

Tgt Ion: 96 Resp: 18677

Ion	Ratio	Lower	Upper
96	100		
61	197.2	166.6	226.6
98	55.8	33.5	93.5
63	71.2	28.5	88.5

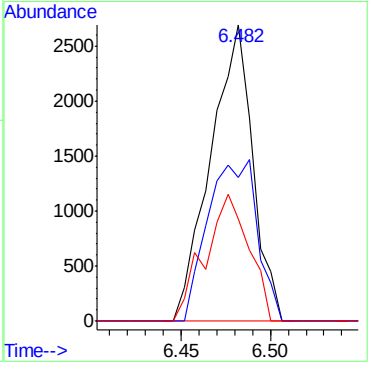


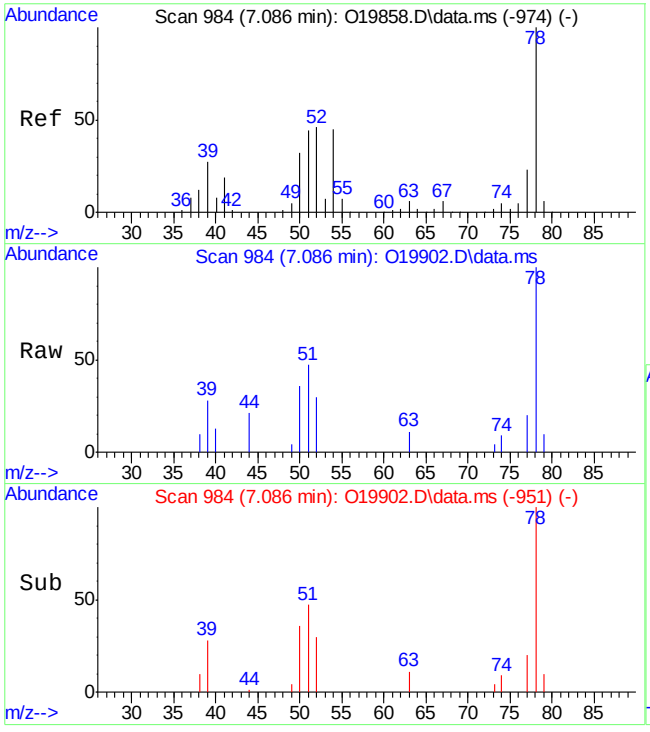


#33
Chloroform
Concen: 0.36 ug/L
RT: 6.482 min Scan# 885
Delta R.T. 0.000 min
Lab File: O19902.D
Acq: 1 Nov 2013 12:41 pm

Tgt Ion: 83 Resp: 4424

Ion	Ratio	Lower	Upper
83	100		
85	48.5	33.6	93.6
47	34.3	8.1	68.1

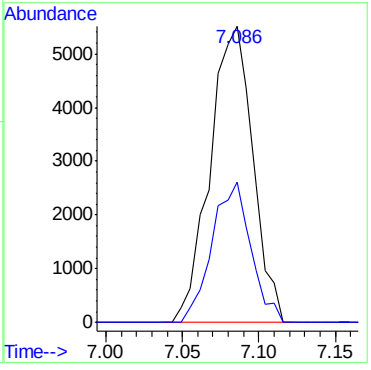


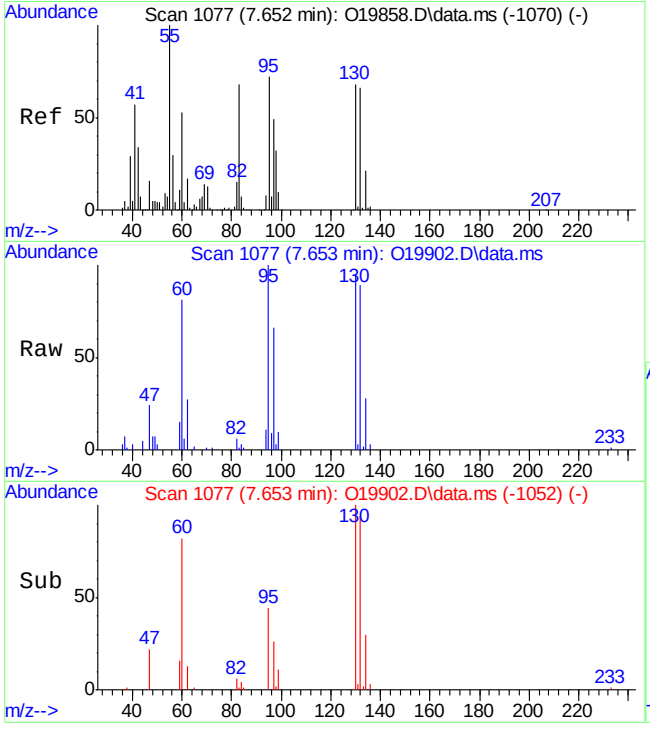


#44
Benzene
Concen: 0.51 ug/L
RT: 7.086 min Scan# 984
Delta R.T. 0.000 min
Lab File: O19902.D
Acq: 1 Nov 2013 12:41 pm

Tgt Ion: 78 Resp: 10723

Ion	Ratio	Lower	Upper
78	100		
51	47.4	14.3	74.3

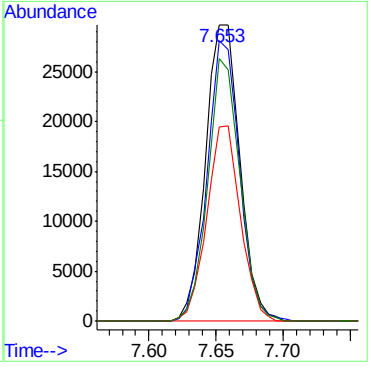


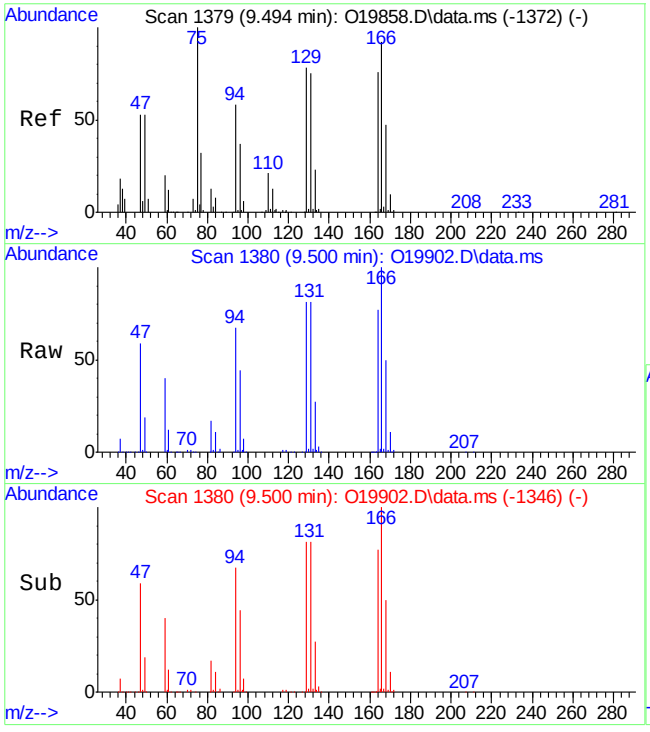


#48
Trichloroethene
Concen: 8.40 ug/L
RT: 7.653 min Scan# 1077
Delta R.T. 0.000 min
Lab File: O19902.D
Acq: 1 Nov 2013 12:41 pm

Tgt Ion: 95 Resp: 52890

Ion	Ratio	Lower	Upper
95	100		
130	94.7	63.6	123.6
97	65.7	38.1	98.1
132	88.7	60.7	120.7

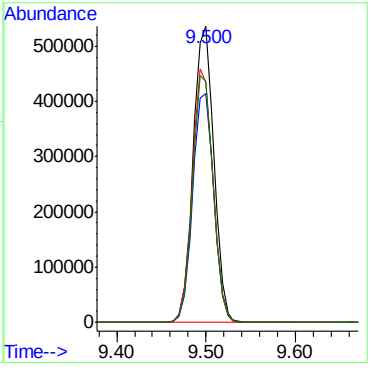




#62
Tetrachloroethene
Concen: 132.93 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19902.D
Acq: 1 Nov 2013 12:41 pm

Tgt Ion:166 Resp: 861500

Ion	Ratio	Lower	Upper
166	100		
164	77.2	52.5	112.5
129	81.2	54.4	114.4
131	81.4	51.5	111.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19912.D
Acq On : 1 Nov 2013 5:37 pm
Operator : melissam
Sample : FA9297-21,2X
Misc : MS25570,VO792,,,,,2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 04 08:44:54 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

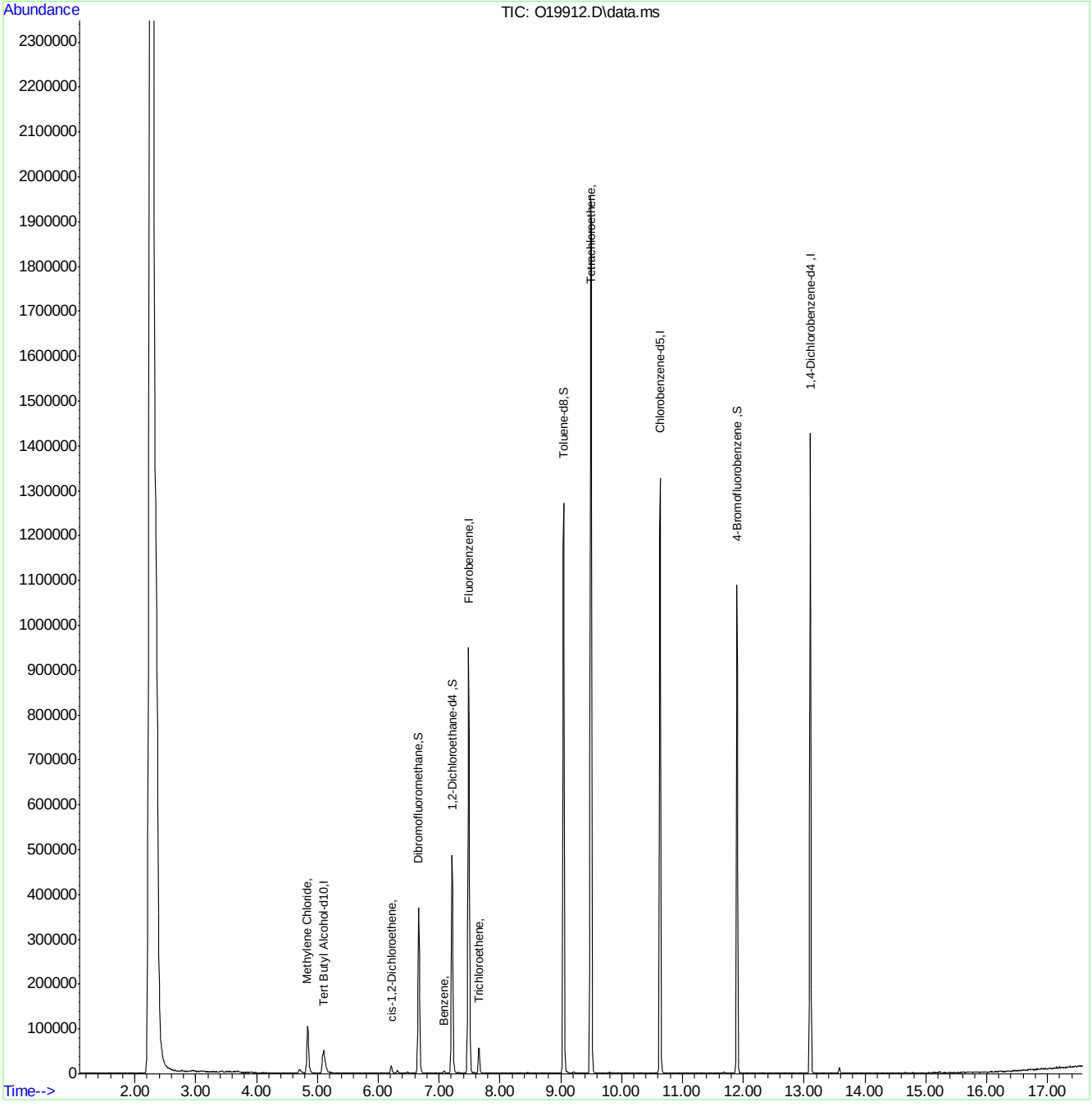
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	613253	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	476603	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	255562	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	69491	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	208629	52.89	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 105.78%			
46) 1,2-Dichloroethane-d4	7.214	65	350349	55.28	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 110.56%			
57) Toluene-d8	9.049	98	596171	49.41	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.82%			
79) 4-Bromofluorobenzene	11.896	95	272343	50.80	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.60%			
Target Compounds						Qvalue
16) Methylene Chloride	4.836	49	90546	7.59	ug/L	92
29) cis-1,2-Dichloroethene	6.214	96	5858	1.16	ug/L	88
44) Benzene	7.079	78	3563	0.21	ug/L	96
48) Trichloroethene	7.652	95	15745	3.14	ug/L	87
62) Tetrachloroethene	9.500	166	394676	76.63	ug/L	98

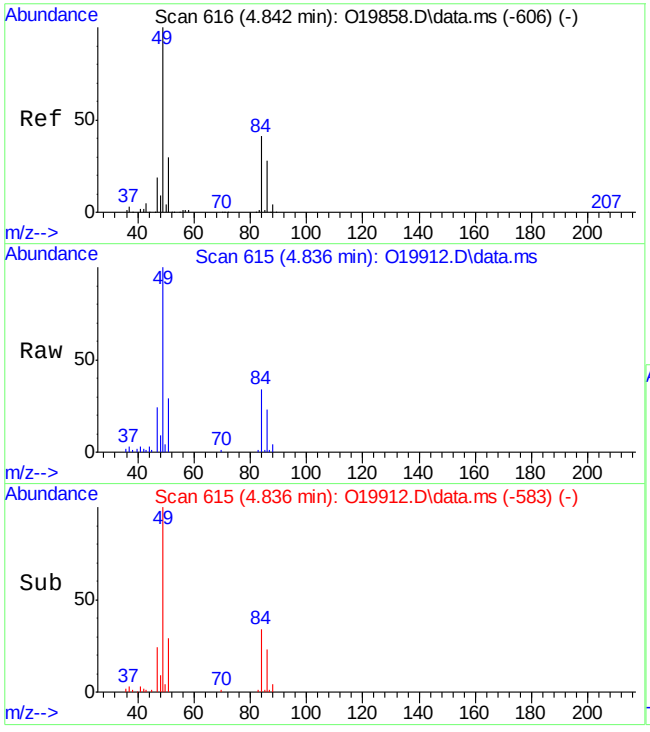
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19912.D
Acq On : 1 Nov 2013 5:37 pm
Operator : melissam
Sample : FA9297-21,2X
Misc : MS25570,VO792,,,,,2
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 04 08:44:54 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

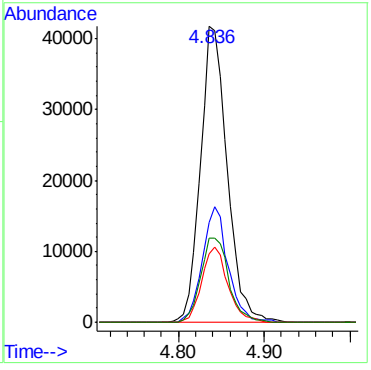


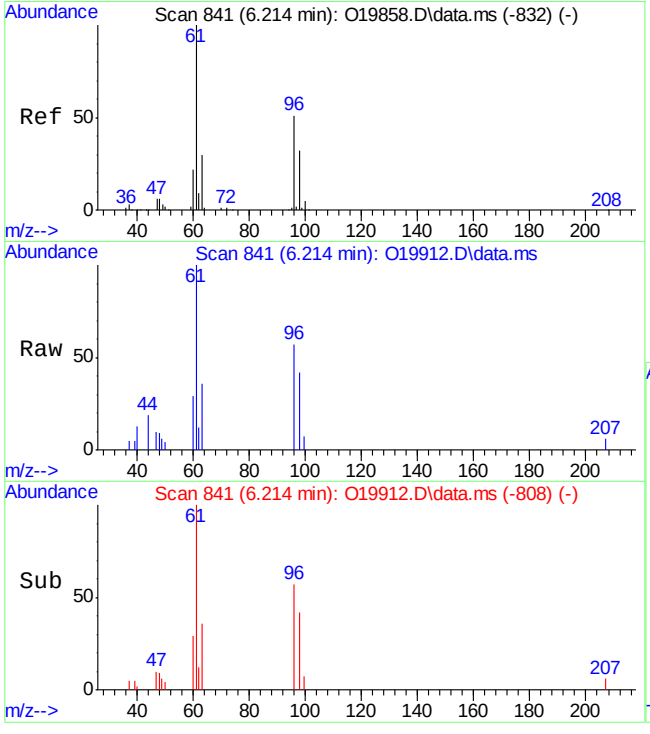


#16
Methylene Chloride
Concen: 7.59 ug/L
RT: 4.836 min Scan# 615
Delta R.T. -0.006 min
Lab File: O19912.D
Acq: 1 Nov 2013 5:37 pm

Tgt Ion: 49 Resp: 90546

Ion	Ratio	Lower	Upper
49	100		
84	33.8	10.6	70.6
86	23.1	0.0	57.7
51	28.6	0.1	60.1

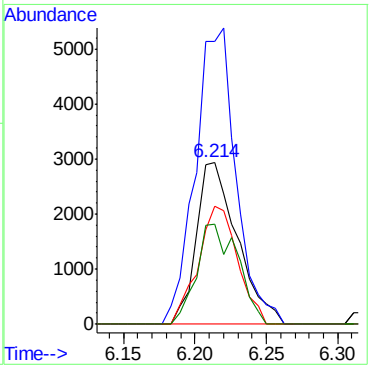


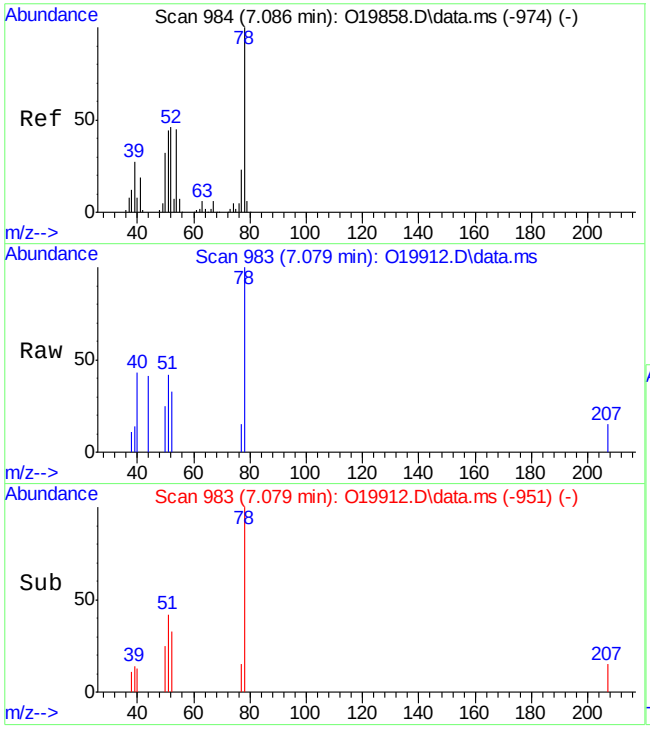


#29
cis-1,2-Dichloroethene
Concen: 1.16 ug/L
RT: 6.214 min Scan# 841
Delta R.T. -0.000 min
Lab File: O19912.D
Acq: 1 Nov 2013 5:37 pm

Tgt Ion: 96 Resp: 5858

Ion	Ratio	Lower	Upper
96	100		
61	174.3	166.6	226.6
98	72.7	33.5	93.5
63	61.9	28.5	88.5

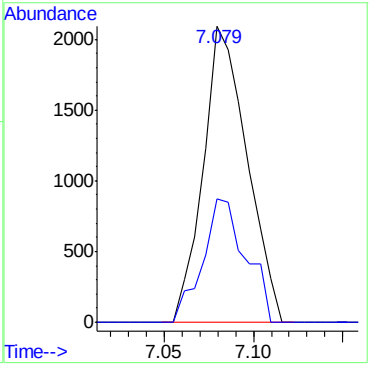


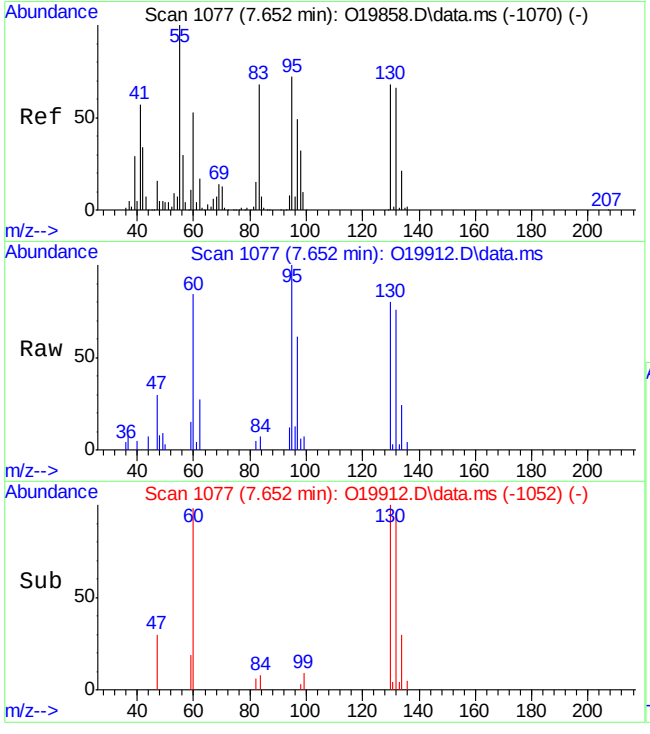


#44
Benzene
Concen: 0.21 ug/L
RT: 7.079 min Scan# 983
Delta R.T. -0.006 min
Lab File: O19912.D
Acq: 1 Nov 2013 5:37 pm

Tgt Ion: 78 Resp: 3563

Ion	Ratio	Lower	Upper
78	100		
51	41.9	14.3	74.3

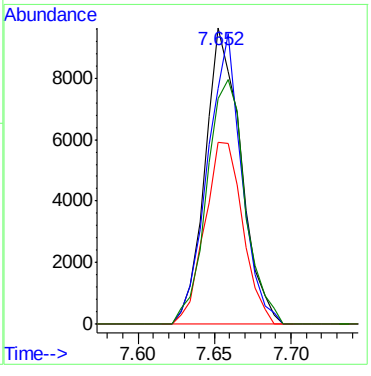


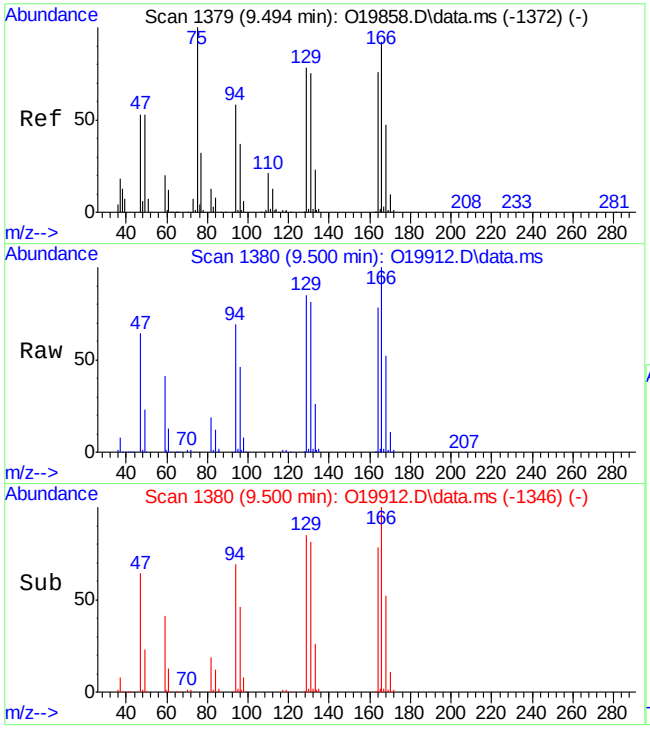


#48
Trichloroethene
Concen: 3.14 ug/L
RT: 7.652 min Scan# 1077
Delta R.T. -0.000 min
Lab File: O19912.D
Acq: 1 Nov 2013 5:37 pm

Tgt Ion: 95 Resp: 15745

Ion	Ratio	Lower	Upper
95	100		
130	79.5	63.6	123.6
97	61.5	38.1	98.1
132	76.1	60.7	120.7

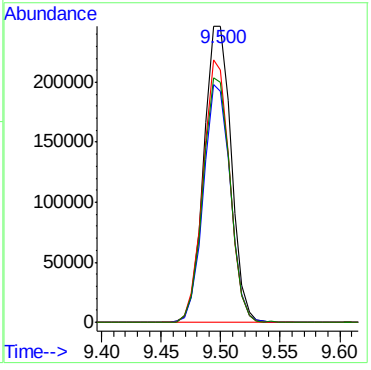




#62
Tetrachloroethene
Concen: 76.63 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19912.D
Acq: 1 Nov 2013 5:37 pm

Tgt Ion:166 Resp: 394676

Ion	Ratio	Lower	Upper
166	100		
164	78.1	52.5	112.5
129	85.1	54.4	114.4
131	80.9	51.5	111.5



7.1.26

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19913.D
Acq On : 1 Nov 2013 5:58 pm
Operator : melissam
Sample : FA9297-22
Misc : MS25570,VO792,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 08:47:16 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

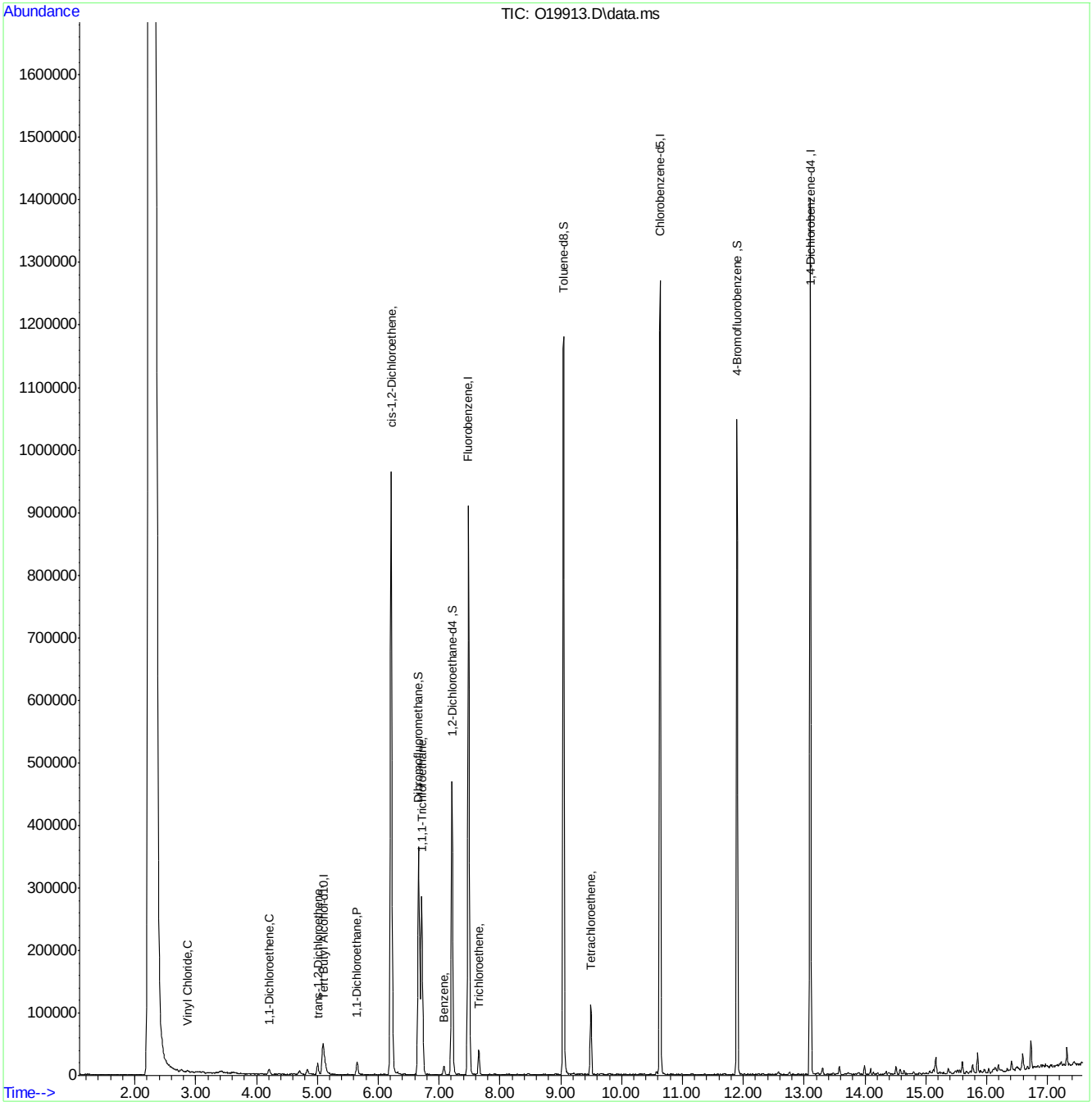
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.482	96	588335	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	455361	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	248746	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	65966	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	200270	52.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 105.84%			
46) 1,2-Dichloroethane-d4	7.214	65	341207	56.11	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 112.22%			
57) Toluene-d8	9.049	98	558850	48.71	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.42%			
79) 4-Bromofluorobenzene	11.896	95	257643	49.75	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.50%			
Target Compounds						Qvalue
5) Vinyl Chloride	2.867	62	2675	0.45	ug/L	95
11) 1,1-Dichloroethene	4.208	61	7714	0.79	ug/L	79
19) trans-1,2-Dichloroethene	5.007	61	12316	1.29	ug/L	91
25) 1,1-Dichloroethane	5.653	63	20570	1.86	ug/L	94
29) cis-1,2-Dichloroethene	6.214	96	313515	64.84	ug/L	100
38) 1,1,1-Trichloroethane	6.714	97	190514	21.47	ug/L	96
44) Benzene	7.085	78	8523	0.53	ug/L	74
48) Trichloroethene	7.659	95	10157	2.11	ug/L	86
62) Tetrachloroethene	9.500	166	22036	4.48	ug/L	91

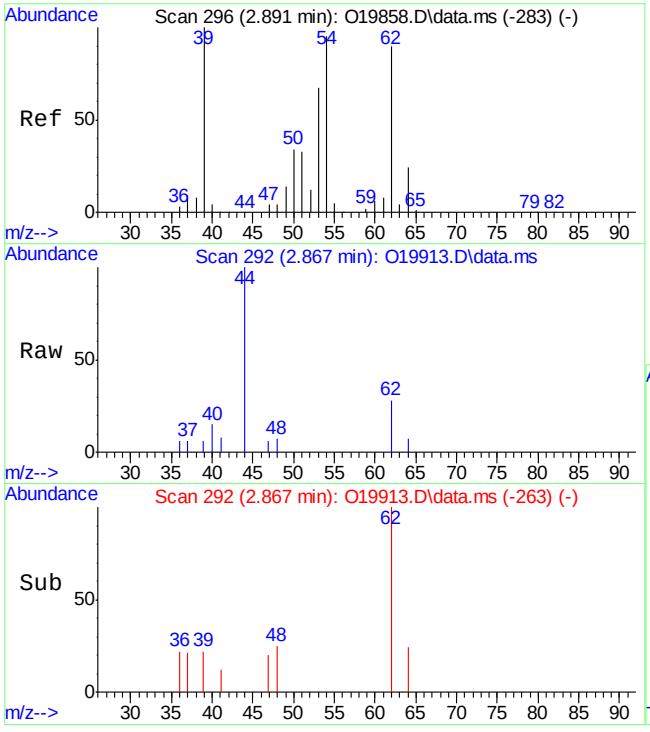
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19913.D
Acq On : 1 Nov 2013 5:58 pm
Operator : melissam
Sample : FA9297-22
Misc : MS25570,VO792,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 04 08:47:16 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

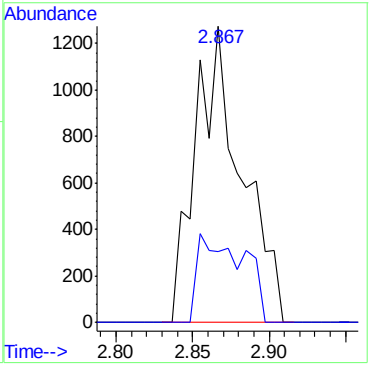


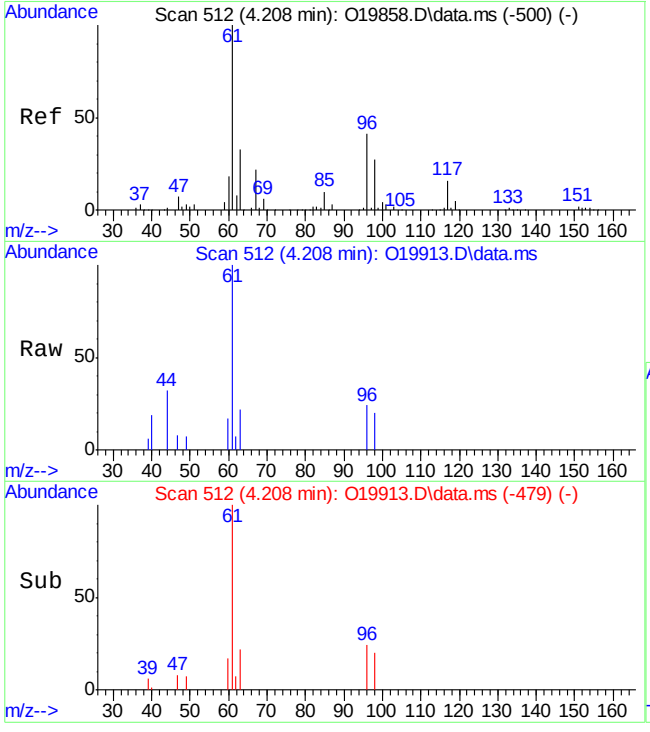


#5
Vinyl Chloride
Concen: 0.45 ug/L
RT: 2.867 min Scan# 292
Delta R.T. -0.024 min
Lab File: O19913.D
Acq: 1 Nov 2013 5:58 pm

Tgt Ion: 62 Resp: 2675

Ion	Ratio	Lower	Upper
62	100		
64	24.0	0.0	56.8

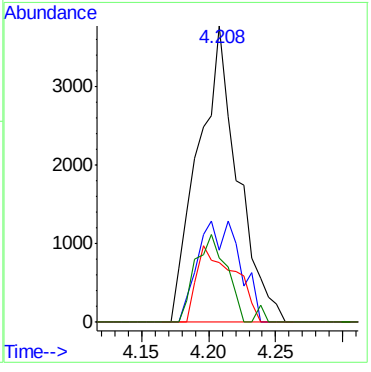


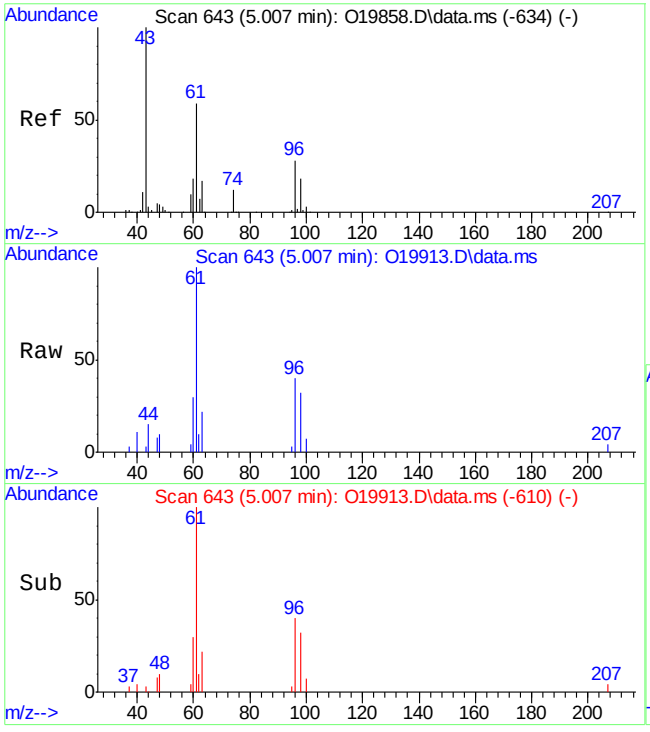


#11
1,1-Dichloroethene
Concen: 0.79 ug/L
RT: 4.208 min Scan# 512
Delta R.T. -0.000 min
Lab File: O19913.D
Acq: 1 Nov 2013 5:58 pm

Tgt Ion: 61 Resp: 7714

Ion	Ratio	Lower	Upper
61	100		
96	24.1	10.9	70.9
98	20.0	0.0	57.1
63	21.6	2.6	62.6

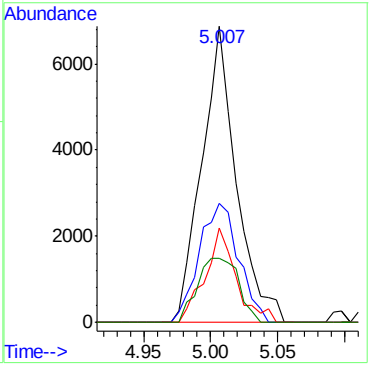


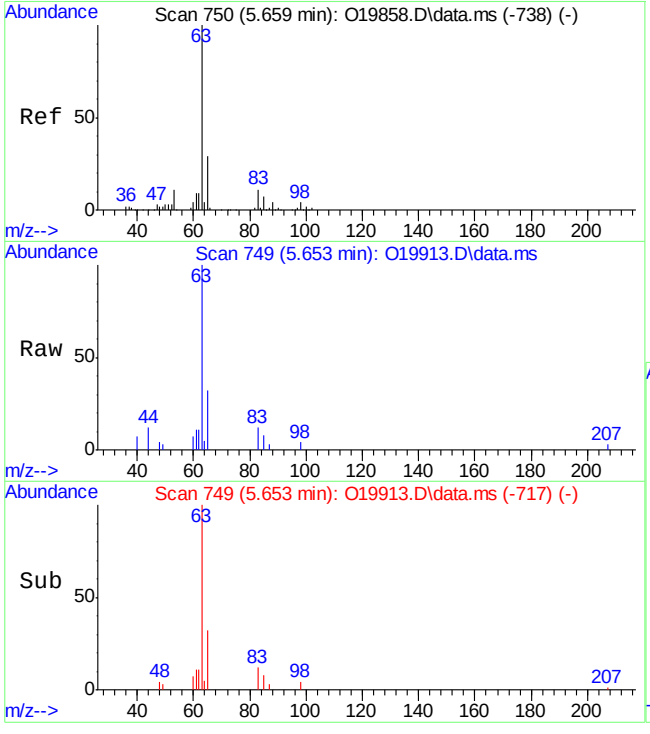


#19
trans-1,2-Dichloroethene
Concen: 1.29 ug/L
RT: 5.007 min Scan# 643
Delta R.T. -0.000 min
Lab File: O19913.D
Acq: 1 Nov 2013 5:58 pm

Tgt Ion: 61 Resp: 12316

Ion	Ratio	Lower	Upper
61	100		
96	40.3	16.6	76.6
98	31.9	0.0	59.8
63	21.6	0.0	59.1

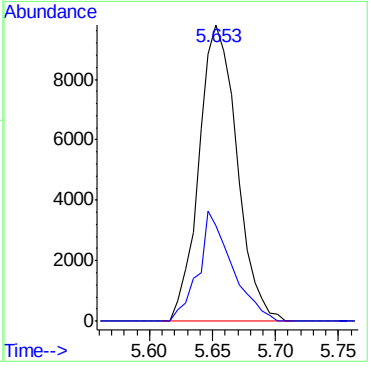


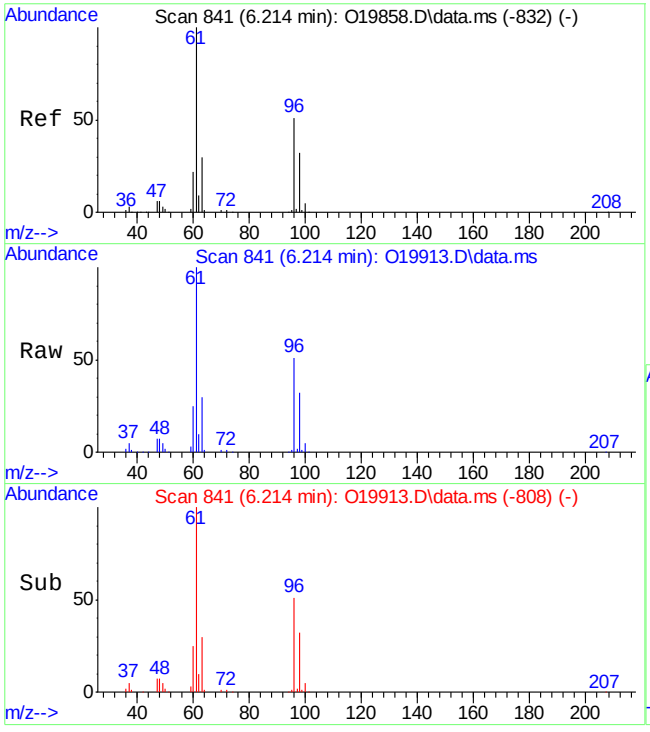


#25
1,1-Dichloroethane
Concen: 1.86 ug/L
RT: 5.653 min Scan# 749
Delta R.T. -0.006 min
Lab File: O19913.D
Acq: 1 Nov 2013 5:58 pm

Tgt Ion: 63 Resp: 20570

Ion	Ratio	Lower	Upper
63	100		
65	32.2	0.0	58.8

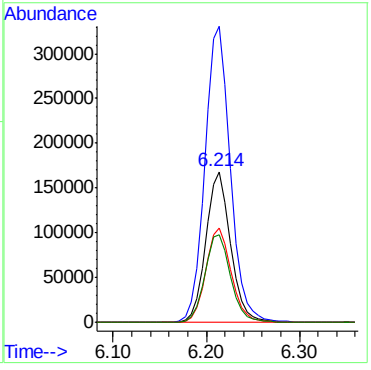


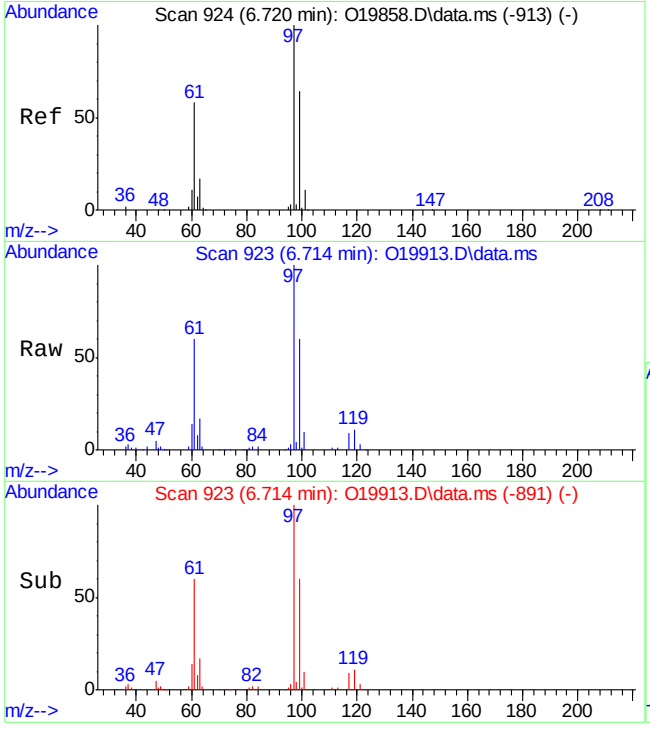


#29
cis-1,2-Dichloroethene
Concen: 64.84 ug/L
RT: 6.214 min Scan# 841
Delta R.T. -0.000 min
Lab File: O19913.D
Acq: 1 Nov 2013 5:58 pm

Tgt Ion: 96 Resp: 313515

Ion	Ratio	Lower	Upper
96	100		
61	196.7	166.6	226.6
98	62.4	33.5	93.5
63	58.5	28.5	88.5

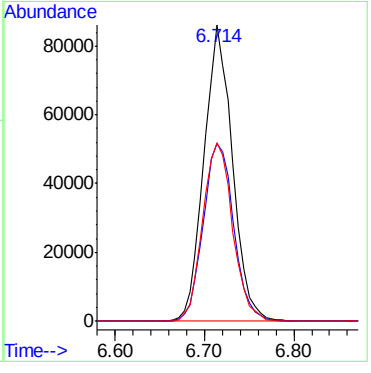


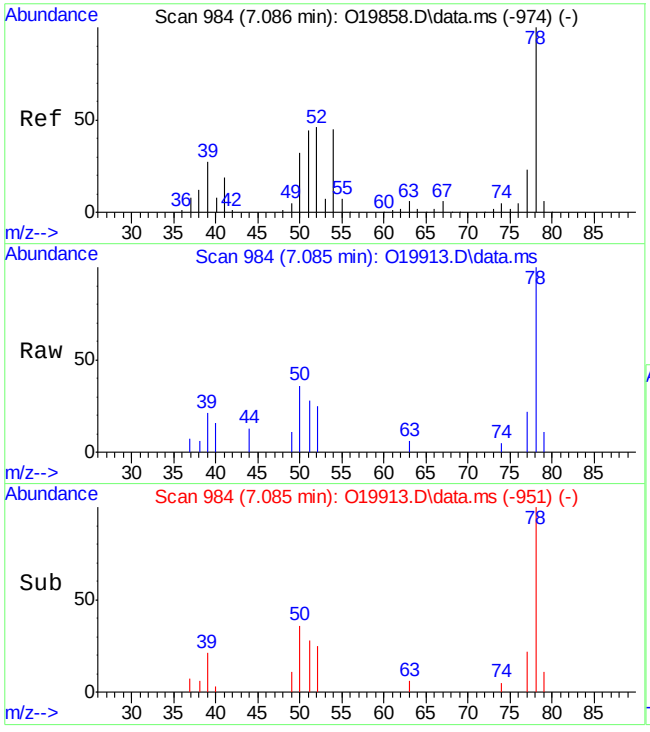


#38
1,1,1-Trichloroethane
Concen: 21.47 ug/L
RT: 6.714 min Scan# 923
Delta R.T. -0.006 min
Lab File: O19913.D
Acq: 1 Nov 2013 5:58 pm

Tgt Ion: 97 Resp: 190514

Ion	Ratio	Lower	Upper
97	100		
99	60.0	34.3	94.3
61	60.3	28.2	88.2

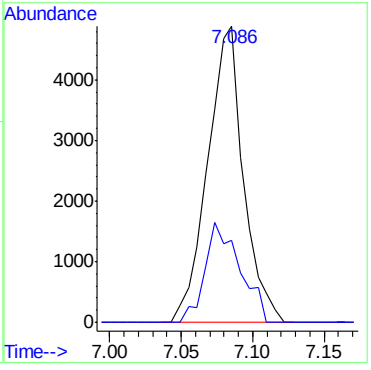


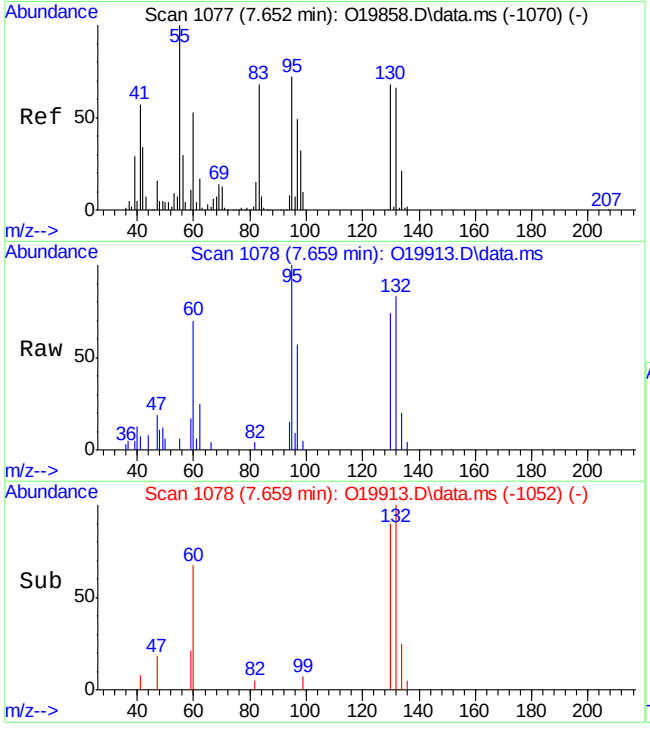


#44
Benzene
Concen: 0.53 ug/L
RT: 7.085 min Scan# 984
Delta R.T. -0.000 min
Lab File: O19913.D
Acq: 1 Nov 2013 5:58 pm

Tgt Ion: 78 Resp: 8523

Ion	Ratio	Lower	Upper
78	100		
51	27.6	14.3	74.3

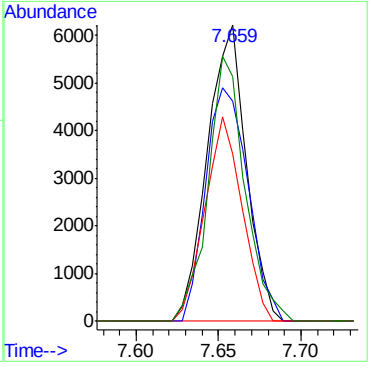


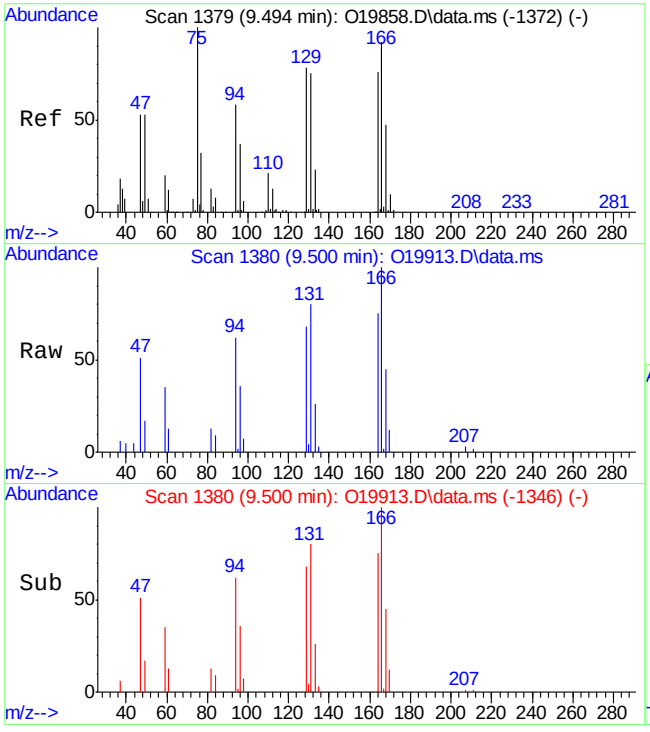


#48
Trichloroethene
Concen: 2.11 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19913.D
Acq: 1 Nov 2013 5:58 pm

Tgt Ion: 95 Resp: 10157

Ion	Ratio	Lower	Upper
95	100		
130	74.3	63.6	123.6
97	56.5	38.1	98.1
132	82.7	60.7	120.7

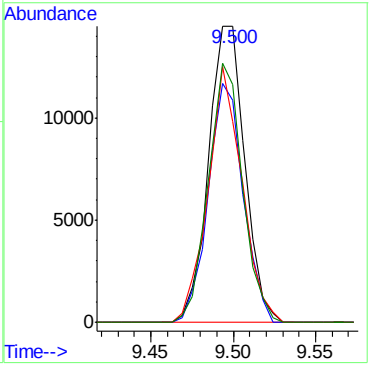




#62
Tetrachloroethene
Concen: 4.48 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19913.D
Acq: 1 Nov 2013 5:58 pm

Tgt Ion:166 Resp: 22036

Ion	Ratio	Lower	Upper
166	100		
164	74.8	52.5	112.5
129	67.6	54.4	114.4
131	80.4	51.5	111.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15268.D
Acq On : 31 Oct 2013 5:57 pm
Operator : WILFREDO
Sample : FA9297-23
Misc : ms25560,vi196,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 01 10:12:24 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

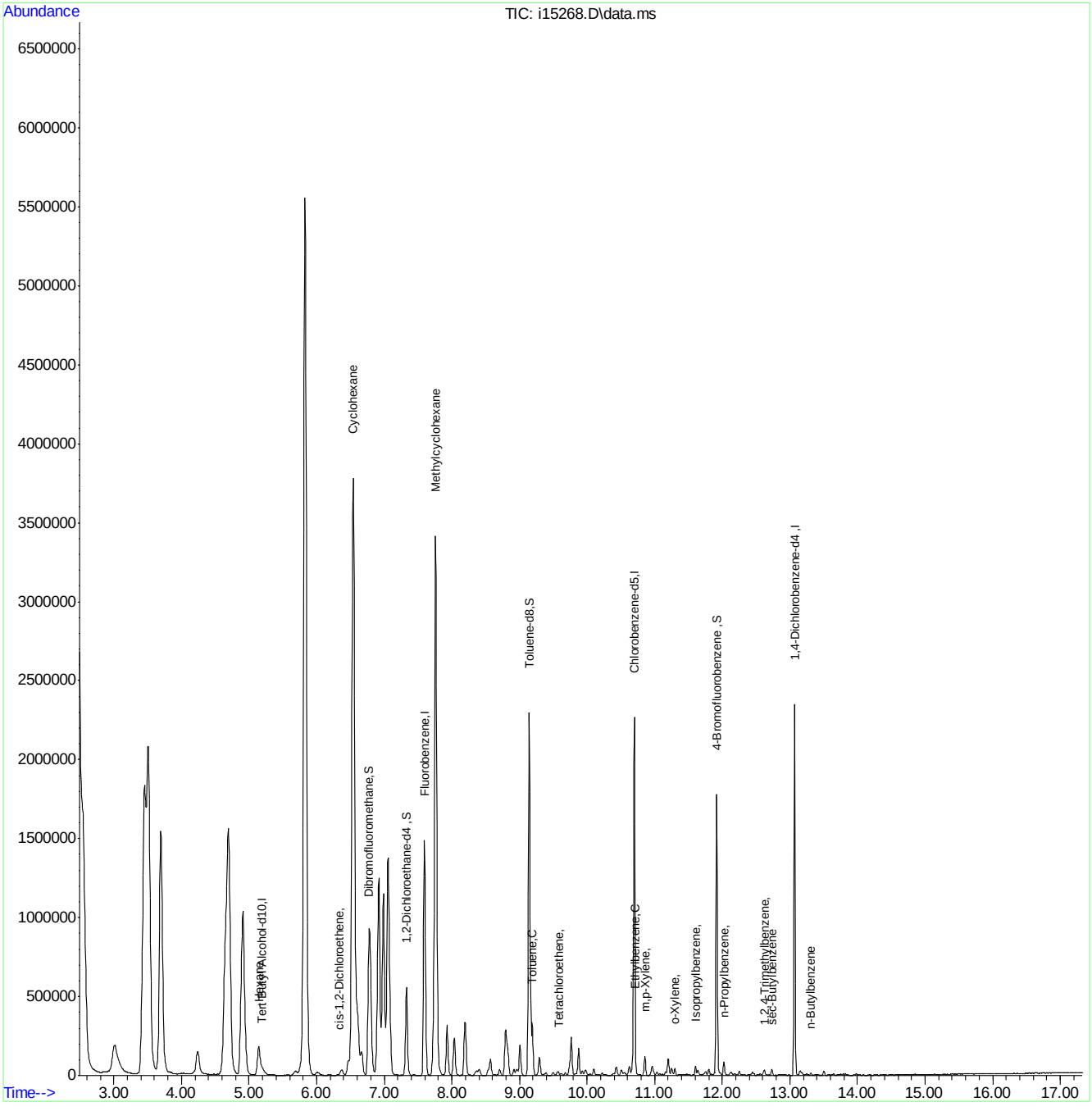
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1294409	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	977367	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	456453	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	86486	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	356684	48.61	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.22%			
44) 1,2-Dichloroethane-d4	7.327	65	409177	49.07	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.14%			
55) Toluene-d8	9.144	98	1271858	49.35	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.70%			
77) 4-Bromofluorobenzene	11.918	174	349684	49.18	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.36%			
Target Compounds						Qvalue
19) Hexane	5.145	56	69056	13.32	ug/L #	73
28) cis-1,2-Dichloroethene	6.328	96	2179	0.29	ug/L	91
31) Cyclohexane	6.541	56	2797678	253.51	ug/L #	47
47) Methylcyclohexane	7.760	83	1420248	117.83	ug/L	83
56) Toluene	9.193	91	10893	0.36	ug/L	89
60) Tetrachloroethene	9.583	166	3417	0.42	ug/L	81
68) Ethylbenzene	10.717	91	29595	0.82	ug/L	92
71) m,p-Xylene	10.857	91	45175	1.77	ug/L	93
72) o-Xylene	11.296	91	7886	0.34	ug/L	92
75) Isopropylbenzene	11.607	105	30659	1.10	ug/L	79
79) n-Propylbenzene	12.028	91	48122	1.40	ug/L	84
89) 1,2,4-Trimethylbenzene	12.625	105	13476	0.52	ug/L	99
91) sec-Butylbenzene	12.735	105	14650	0.49	ug/L	76
95) n-Butylbenzene	13.308	92	3292	0.21	ug/L	95

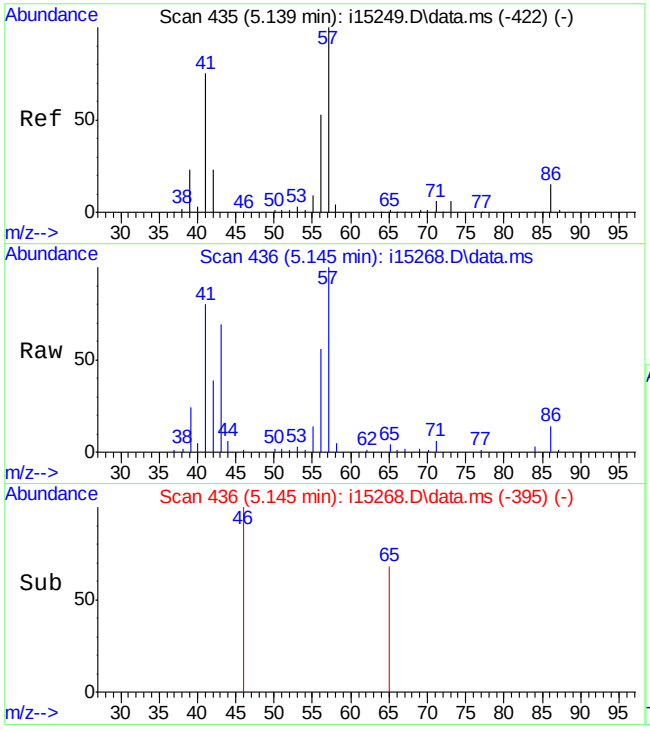
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15268.D
Acq On : 31 Oct 2013 5:57 pm
Operator : WILFREDO
Sample : FA9297-23
Misc : ms25560,vi196,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 01 10:12:24 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

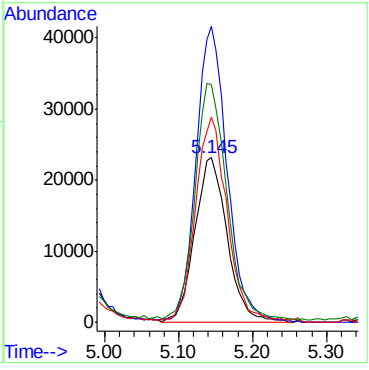


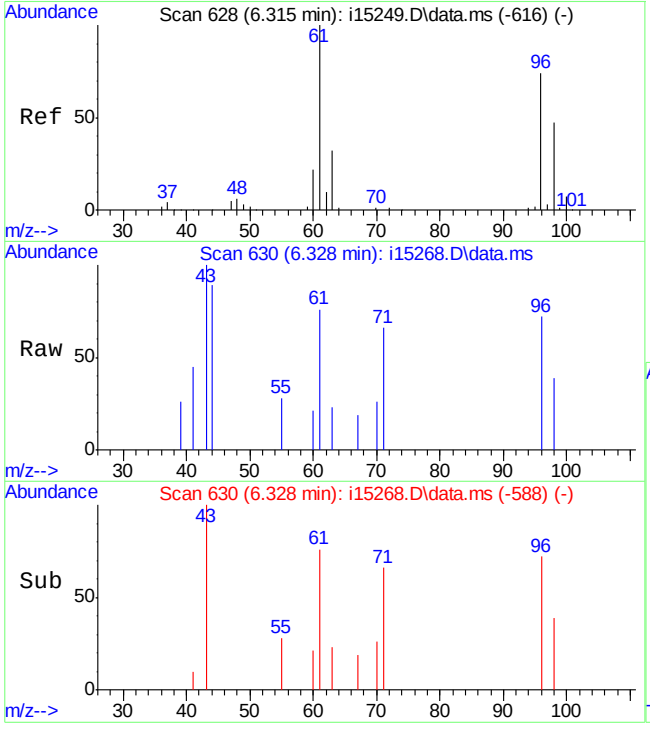


#19
Hexane
Concen: 13.32 ug/L
RT: 5.145 min Scan# 436
Delta R.T. -0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion: 56 Resp: 69056

Ion	Ratio	Lower	Upper
56	100		
57	180.0	137.0	177.0#
43	123.4	165.0	205.0#
41	142.7	105.1	145.1

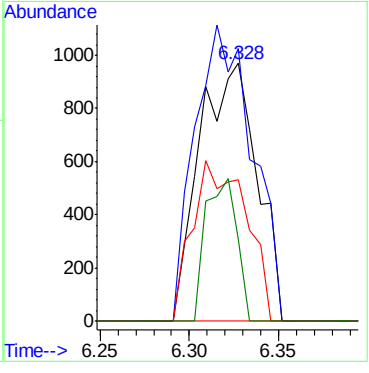


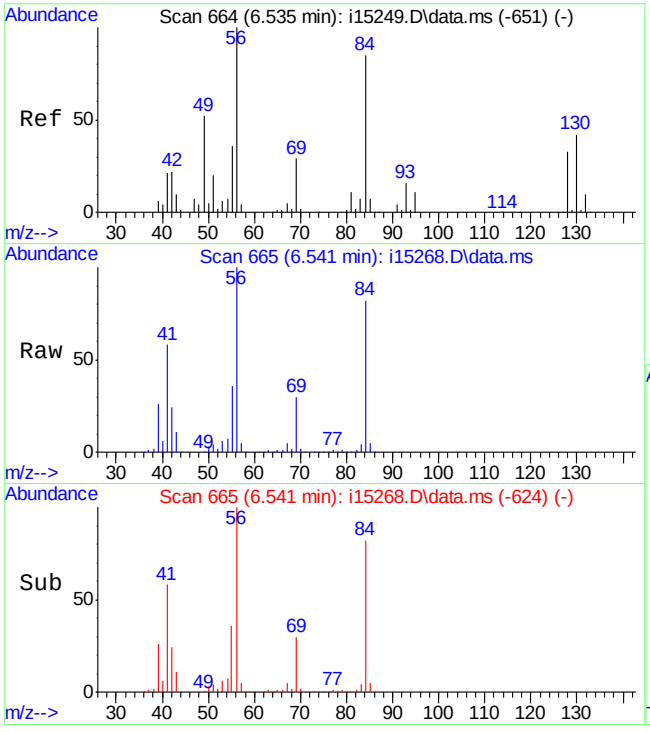


#28
cis-1,2-Dichloroethene
Concen: 0.29 ug/L
RT: 6.328 min Scan# 630
Delta R.T. 0.007 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion: 96 Resp: 2179

Ion	Ratio	Lower	Upper
96	100		
61	105.6	86.5	146.5
98	54.8	17.7	77.7
63	31.9	4.7	64.7

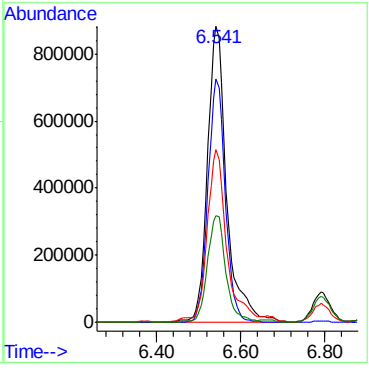


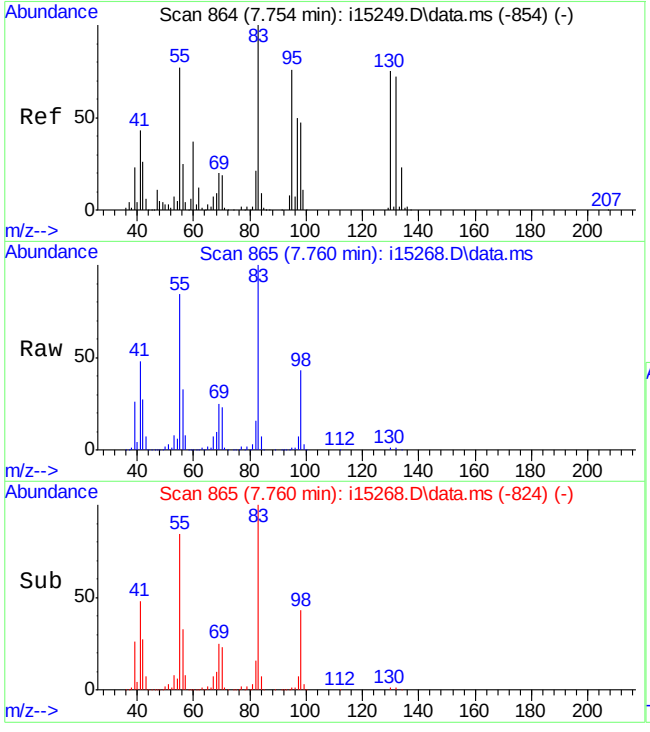


#31
Cyclohexane
Concen: 253.51 ug/L
RT: 6.541 min Scan# 665
Delta R.T. -0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion: 56 Resp: 2797678

Ion	Ratio	Lower	Upper
56	100		
84	82.1	13.0	53.0#
41	58.1	88.1	128.1#
55	36.1	1.9	41.9

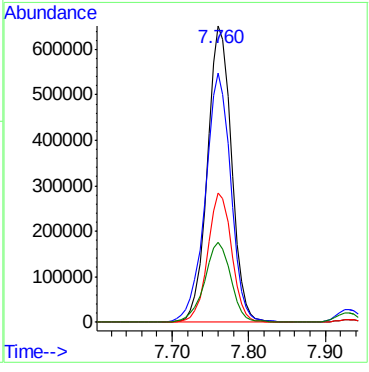


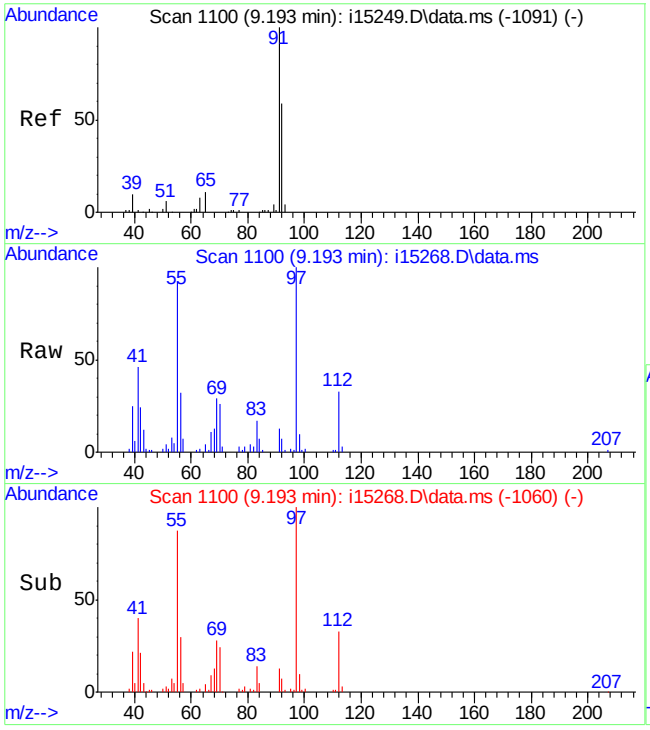


#47
Methylcyclohexane
Concen: 117.83 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion: 83 Resp: 1420248

Ion	Ratio	Lower	Upper
83	100		
55	84.3	49.4	89.4
98	43.5	35.5	75.5
42	26.9	0.4	40.4

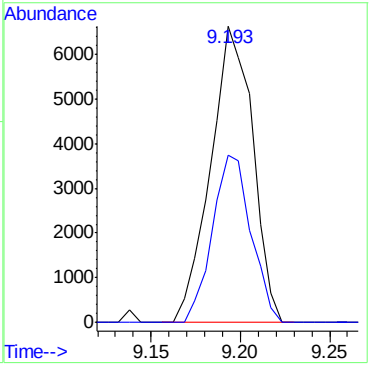


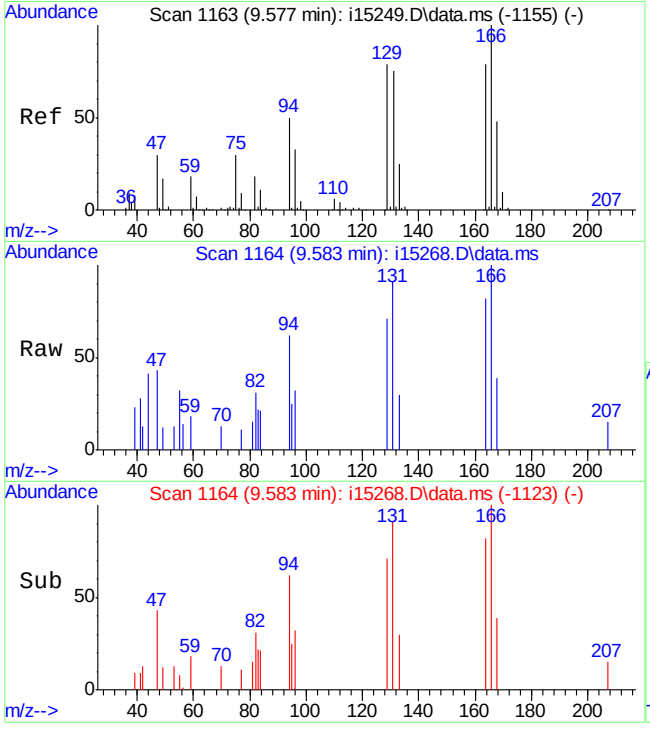


#56
Toluene
Concen: 0.36 ug/L
RT: 9.193 min Scan# 1100
Delta R.T. -0.006 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion: 91 Resp: 10893

Ion	Ratio	Lower	Upper
91	100		
92	56.5	35.2	95.2

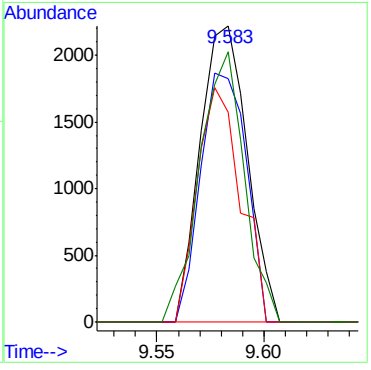


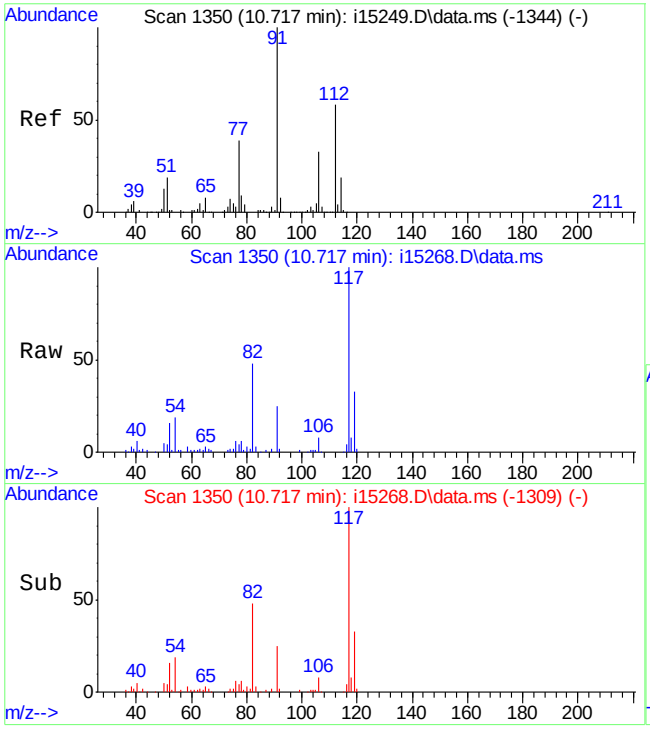


#60
Tetrachloroethene
Concen: 0.42 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. 0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion:166 Resp: 3417

Ion	Ratio	Lower	Upper
166	100		
164	82.0	29.5	89.5
129	70.7	43.7	103.7
131	91.3	39.3	99.3

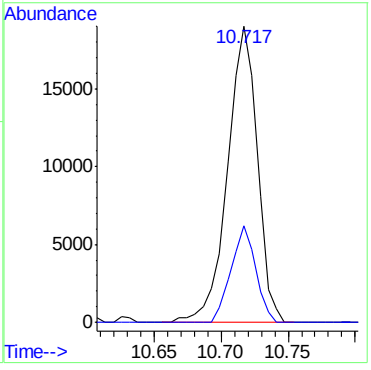


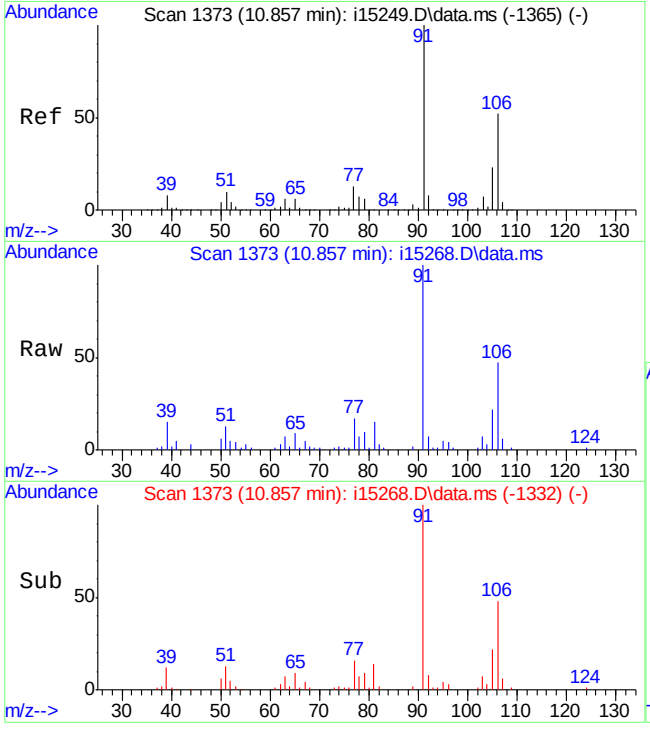


#68
Ethylbenzene
Concen: 0.82 ug/L
RT: 10.717 min Scan# 1350
Delta R.T. -0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion: 91 Resp: 29595

Ion	Ratio	Lower	Upper
91	100		
106	32.5	7.6	67.6

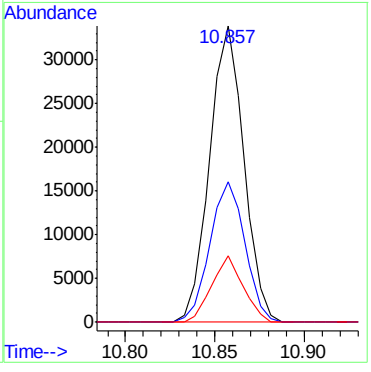


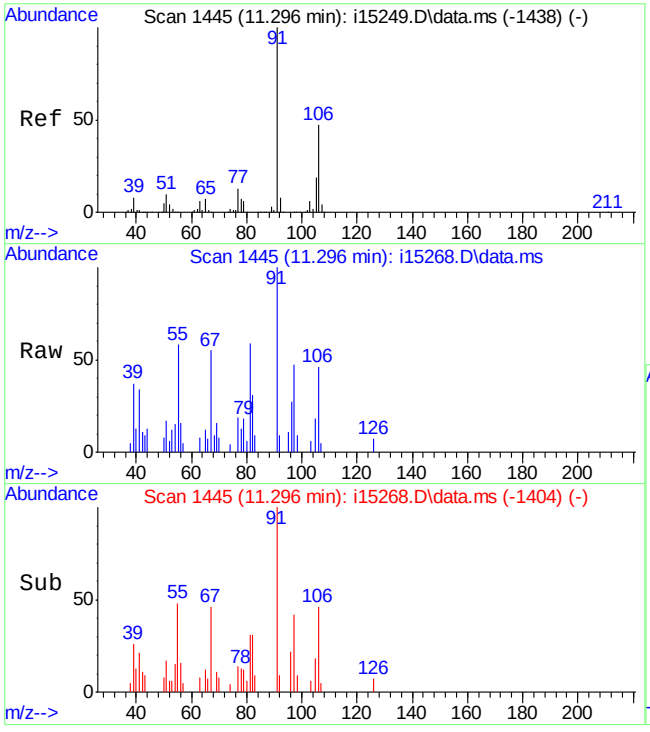


#71
m,p-Xylene
Concen: 1.77 ug/L
RT: 10.857 min Scan# 1373
Delta R.T. 0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion: 91 Resp: 45175

Ion	Ratio	Lower	Upper
91	100		
106	47.5	24.5	84.5
105	22.3	0.0	52.7

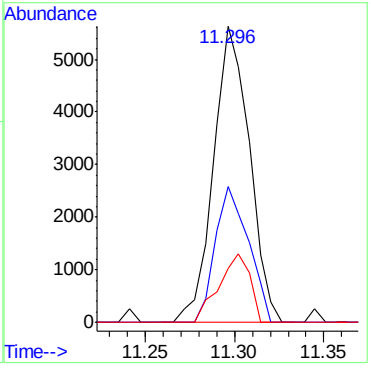


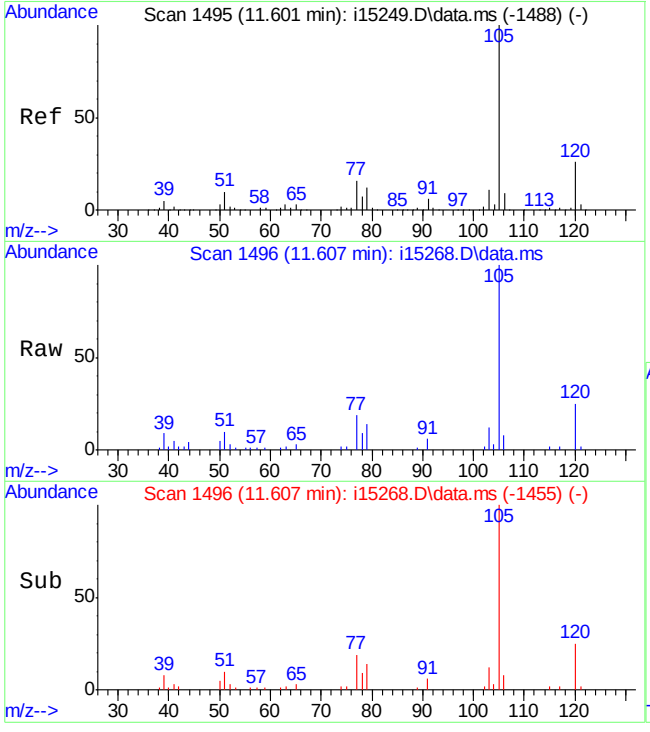


#72
o-Xylene
Concen: 0.34 ug/L
RT: 11.296 min Scan# 1445
Delta R.T. 0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion: 91 Resp: 7886

Ion	Ratio	Lower	Upper
91	100		
106	45.7	12.2	72.2
105	18.2	0.0	54.8

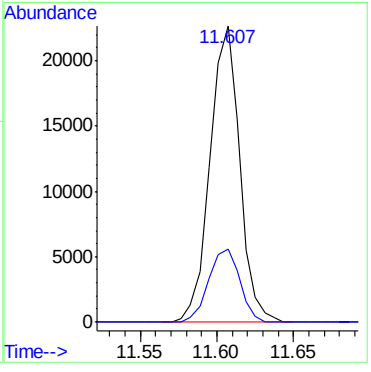


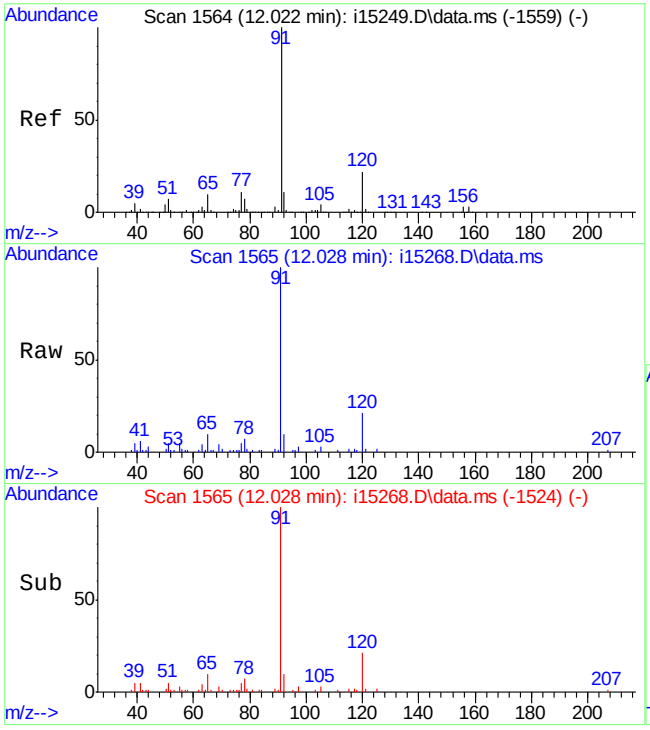


#75
Isopropylbenzene
Concen: 1.10 ug/L
RT: 11.607 min Scan# 1496
Delta R.T. 0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion:105 Resp: 30659

Ion	Ratio	Lower	Upper
105	100		
120	24.6	7.1	67.1

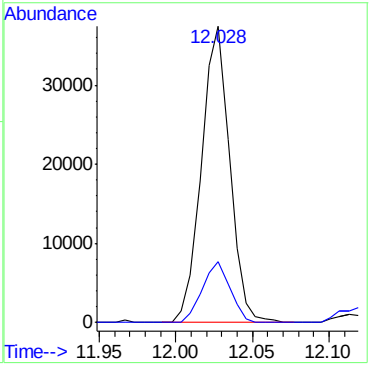


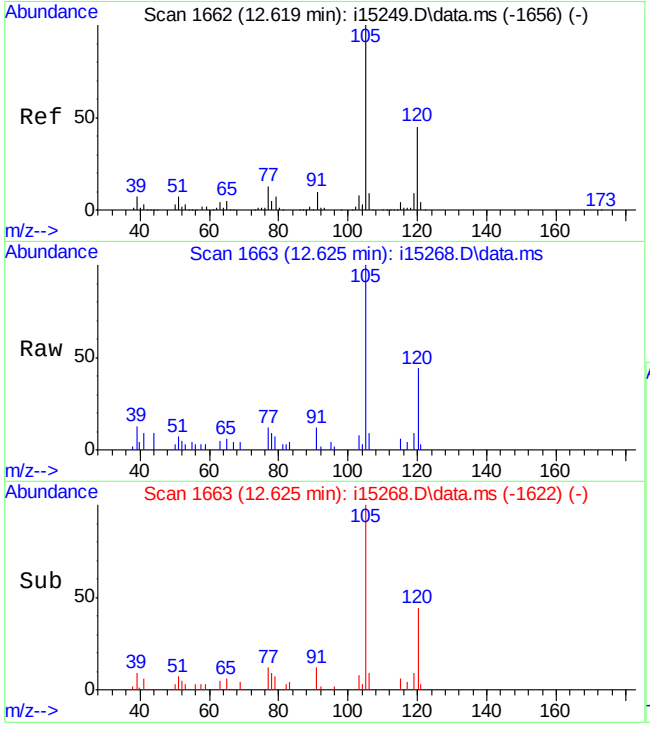


#79
n-Propylbenzene
Concen: 1.40 ug/L
RT: 12.028 min Scan# 1565
Delta R.T. -0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion: 91 Resp: 48122

Ion	Ratio	Lower	Upper
91	100		
120	20.6	0.0	59.3

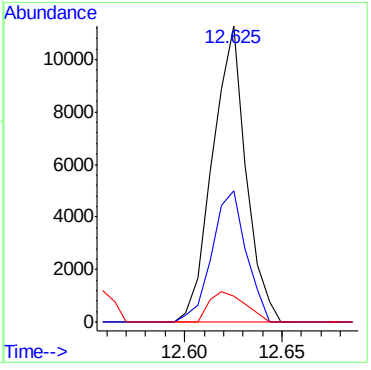


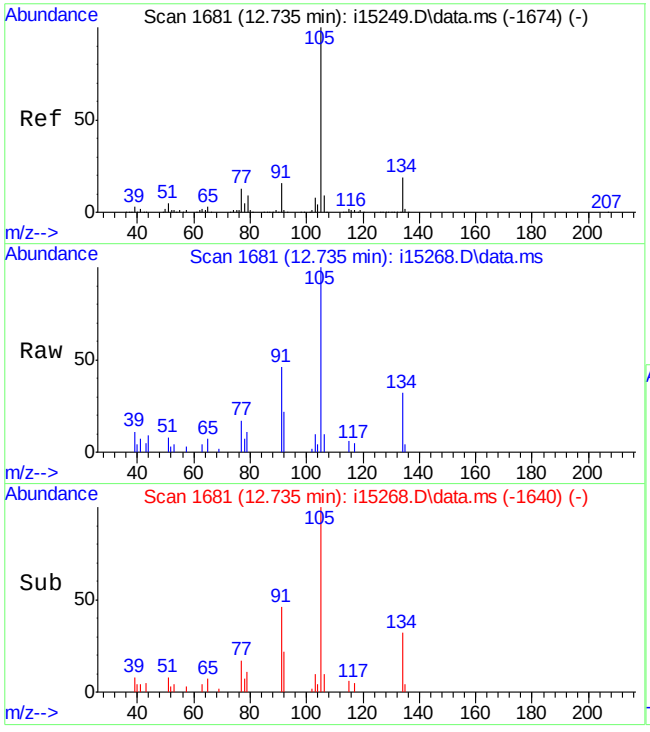


#89
1,2,4-Trimethylbenzene
Concen: 0.52 ug/L
RT: 12.625 min Scan# 1663
Delta R.T. 0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion:105 Resp: 13476

Ion	Ratio	Lower	Upper
105	100		
120	44.2	13.7	73.7
119	8.7	0.0	39.3

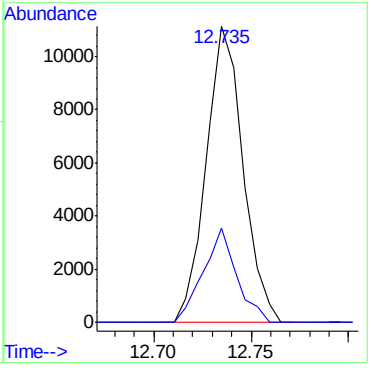


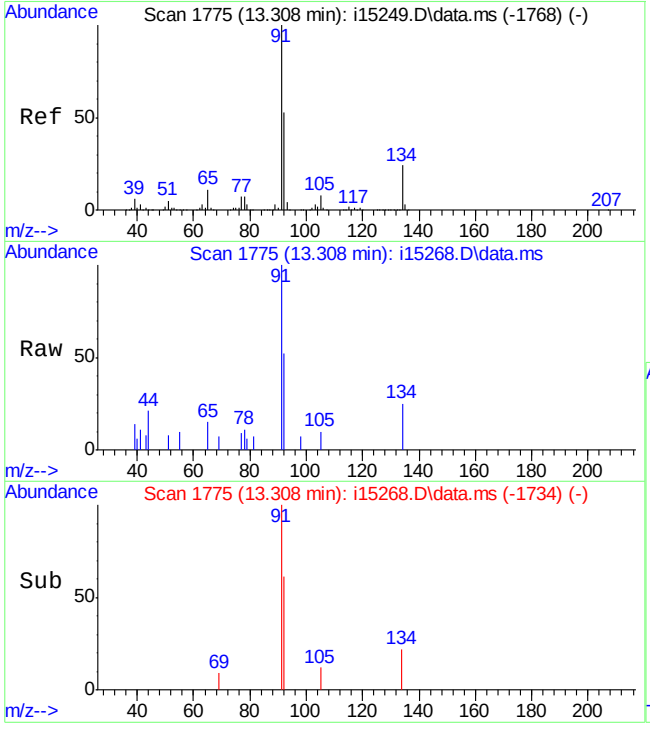


#91
sec-Butylbenzene
Concen: 0.49 ug/L
RT: 12.735 min Scan# 1681
Delta R.T. -0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion:105 Resp: 14650

Ion	Ratio	Lower	Upper
105	100		
134	31.8	0.0	50.7

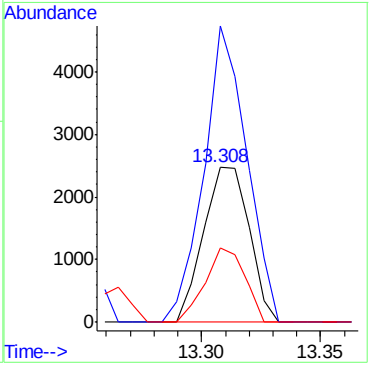




#95
n-Butylbenzene
Concen: 0.21 ug/L
RT: 13.308 min Scan# 1775
Delta R.T. -0.000 min
Lab File: i15268.D
Acq: 31 Oct 2013 5:57 pm

Tgt Ion: 92 Resp: 3292

Ion	Ratio	Lower	Upper
92	100		
91	191.1	165.6	225.6
134	47.7	9.4	69.4



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19877.D
Acq On : 31 Oct 2013 6:37 pm
Operator : melissam
Sample : FA9297-24
Misc : MS25564,VO791,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 01 11:14:15 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

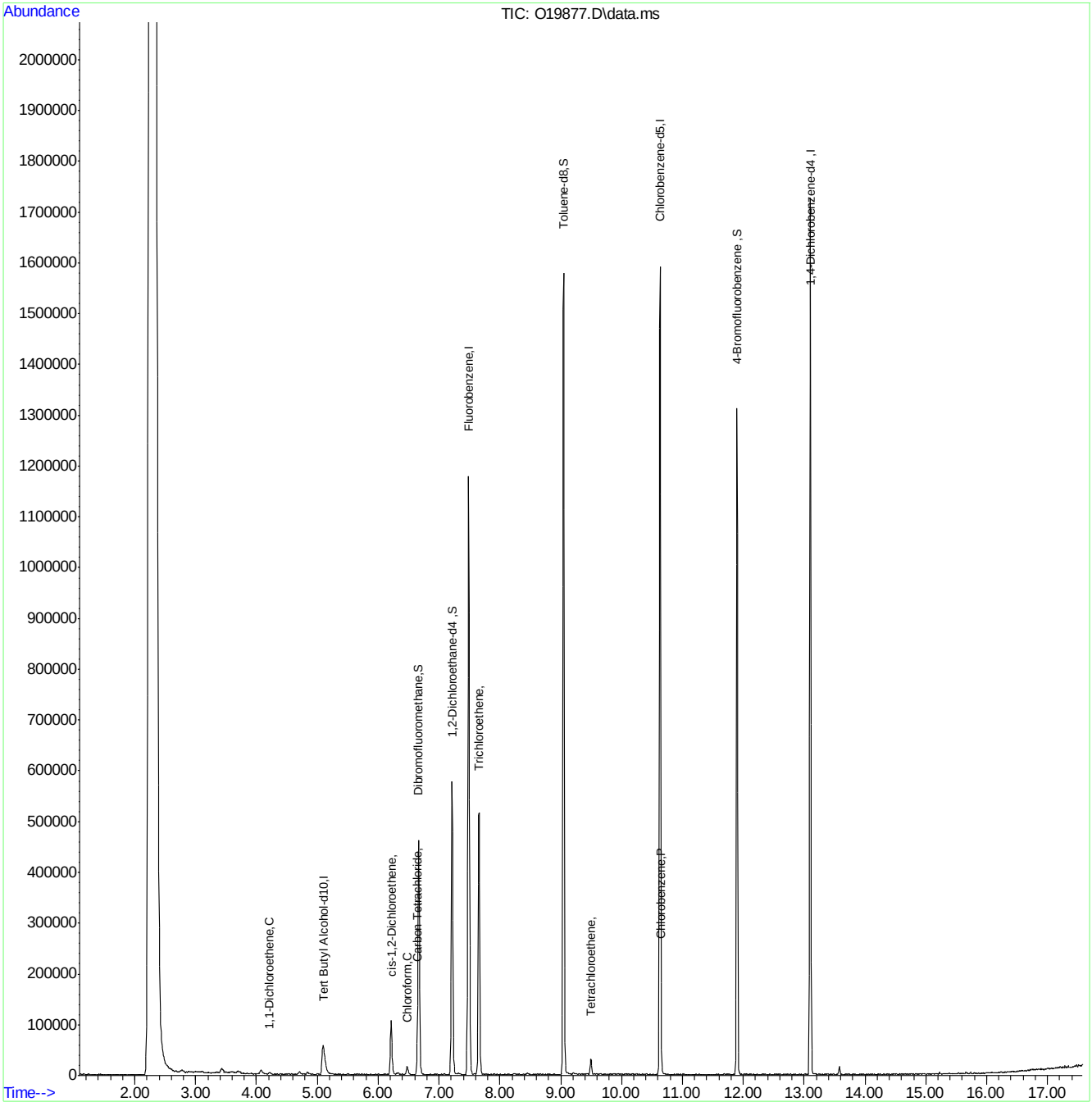
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	806904	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	608864	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	329899	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	81136	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	257670	50.25	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.50%			
46) 1,2-Dichloroethane-d4	7.214	65	406593	48.75	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.50%			
57) Toluene-d8	9.049	98	776060	50.12	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.24%			
79) 4-Bromofluorobenzene	11.896	95	342224	49.81	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.62%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.208	61	3248	0.24	ug/L	77
29) cis-1,2-Dichloroethene	6.214	96	38762	5.85	ug/L	98
33) Chloroform	6.476	83	10265	0.79	ug/L	96
37) Carbon Tetrachloride	6.647	117	7781	0.64	ug/L	80
48) Trichloroethene	7.653	95	146516	22.19	ug/L	93
62) Tetrachloroethene	9.500	166	6355	0.97	ug/L	89
71) Chlorobenzene	10.652	112	5301	0.34	ug/L #	76

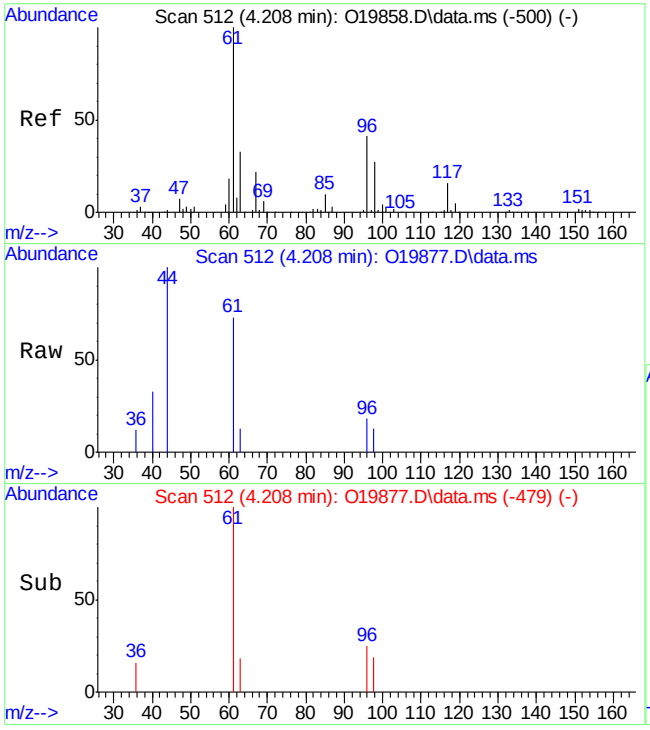
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19877.D
Acq On : 31 Oct 2013 6:37 pm
Operator : melissam
Sample : FA9297-24
Misc : MS25564,VO791,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Nov 01 11:14:15 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

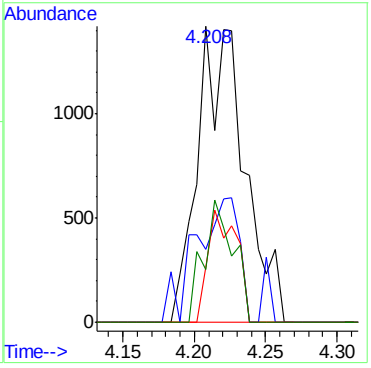


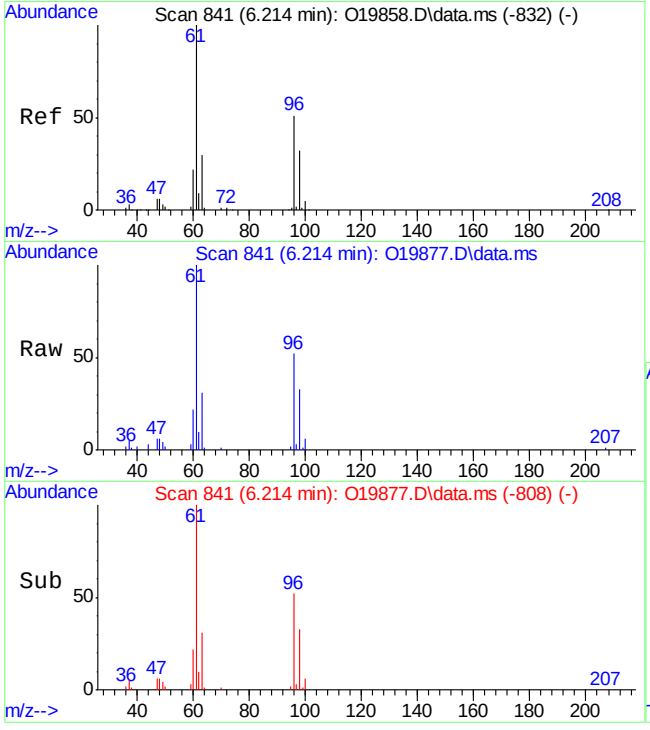


#11
1,1-Dichloroethene
Concen: 0.24 ug/L
RT: 4.208 min Scan# 512
Delta R.T. 0.000 min
Lab File: O19877.D
Acq: 31 Oct 2013 6:37 pm

Tgt Ion: 61 Resp: 3248

Ion	Ratio	Lower	Upper
61	100		
96	24.7	10.9	70.9
98	18.5	0.0	57.1
63	18.0	2.6	62.6

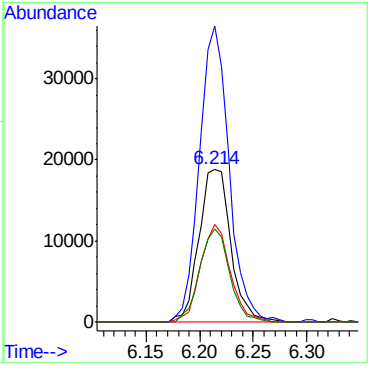


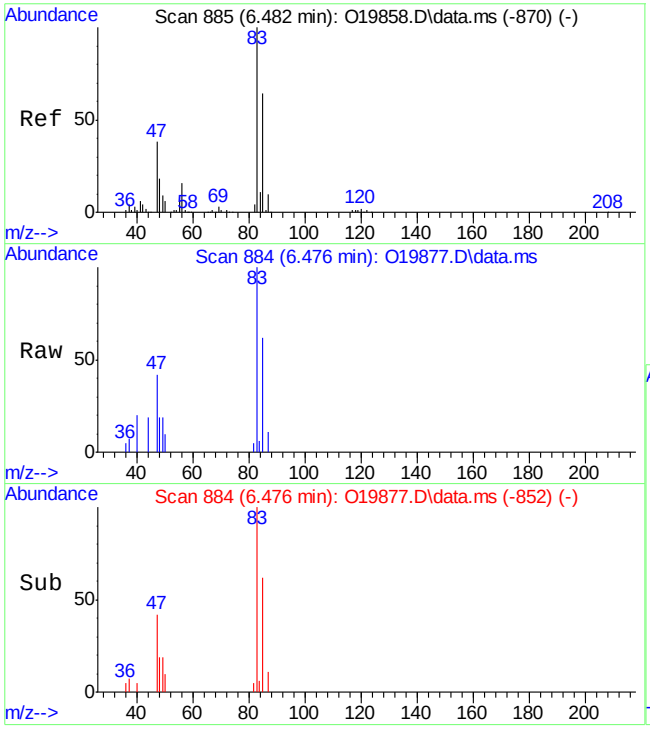


#29
cis-1,2-Dichloroethene
Concen: 5.85 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19877.D
Acq: 31 Oct 2013 6:37 pm

Tgt Ion: 96 Resp: 38762

Ion	Ratio	Lower	Upper
96	100		
61	194.0	166.6	226.6
98	63.7	33.5	93.5
63	60.7	28.5	88.5

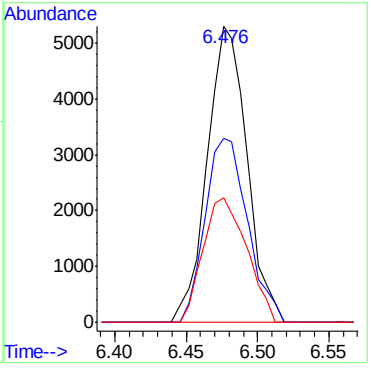


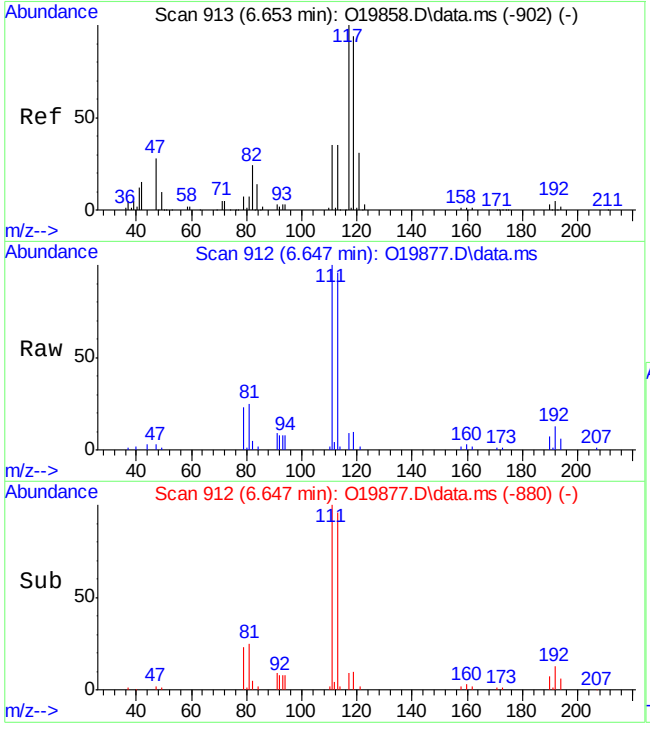


#33
Chloroform
Concen: 0.79 ug/L
RT: 6.476 min Scan# 884
Delta R.T. -0.006 min
Lab File: O19877.D
Acq: 31 Oct 2013 6:37 pm

Tgt Ion: 83 Resp: 10265

Ion	Ratio	Lower	Upper
83	100		
85	62.3	33.6	93.6
47	42.2	8.1	68.1

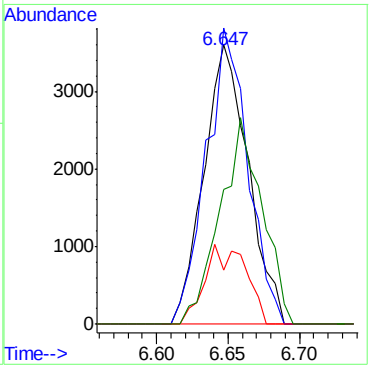


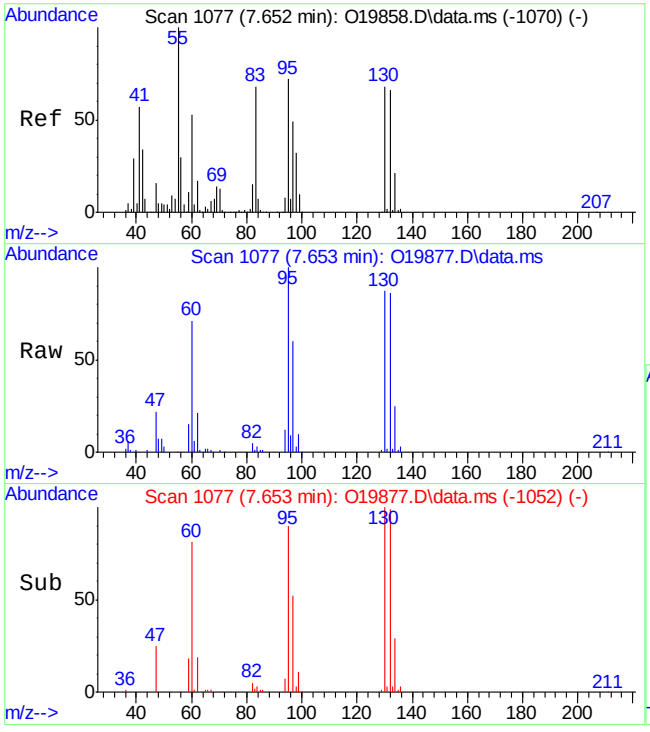


#37
Carbon Tetrachloride
Concen: 0.64 ug/L
RT: 6.647 min Scan# 912
Delta R.T. -0.006 min
Lab File: O19877.D
Acq: 31 Oct 2013 6:37 pm

Tgt Ion:117 Resp: 7781

Ion	Ratio	Lower	Upper
117	100		
119	106.1	64.4	124.4
121	19.3	1.1	61.1
82	48.4	0.0	54.1

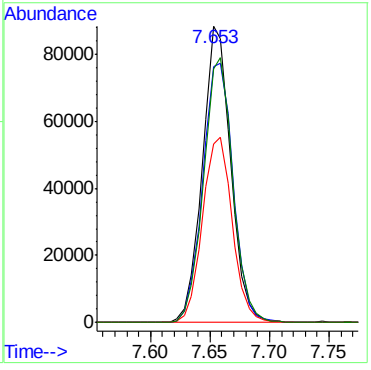


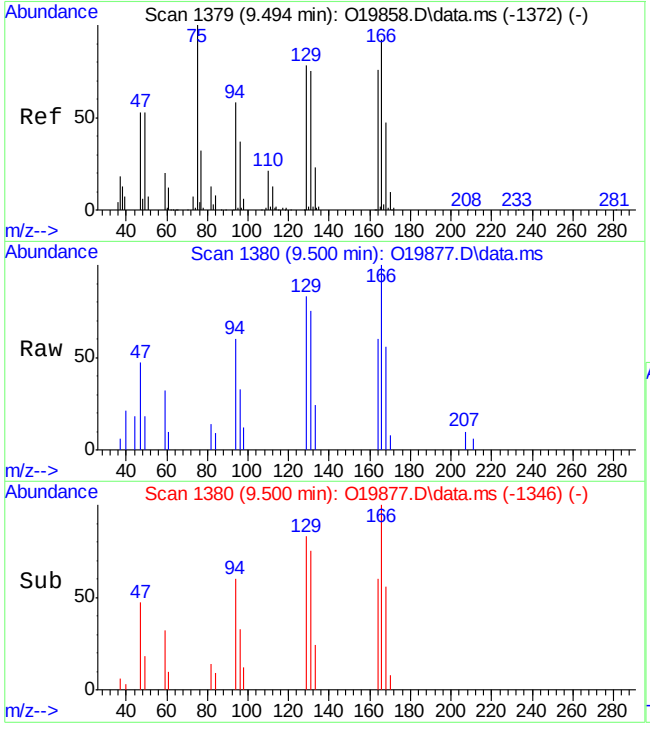


#48
Trichloroethene
Concen: 22.19 ug/L
RT: 7.653 min Scan# 1077
Delta R.T. 0.000 min
Lab File: O19877.D
Acq: 31 Oct 2013 6:37 pm

Tgt Ion: 95 Resp: 146516

Ion	Ratio	Lower	Upper
95	100		
130	86.6	63.6	123.6
97	60.2	38.1	98.1
132	85.7	60.7	120.7

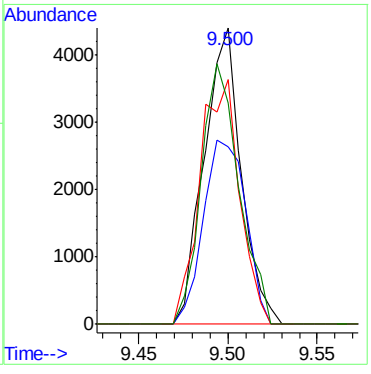


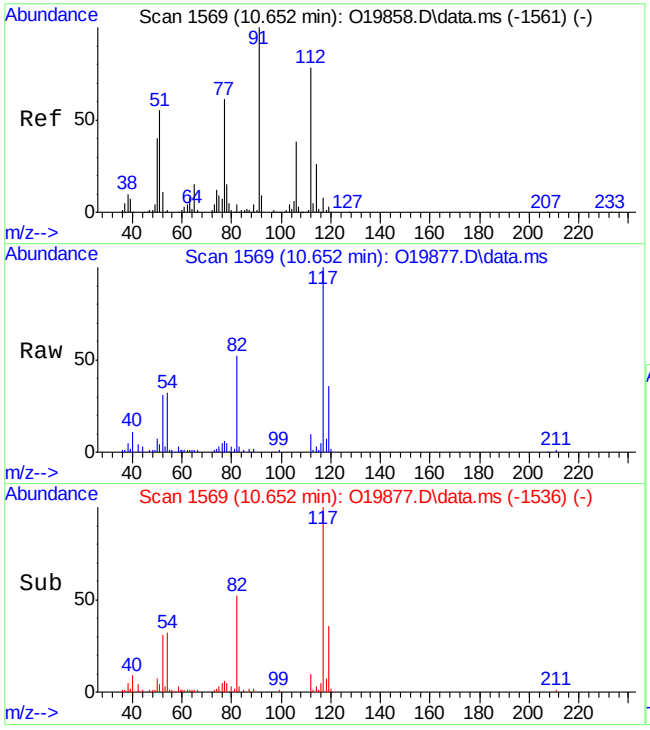


#62
Tetrachloroethene
Concen: 0.97 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19877.D
Acq: 31 Oct 2013 6:37 pm

Tgt Ion:166 Resp: 6355

Ion	Ratio	Lower	Upper
166	100		
164	60.1	52.5	112.5
129	82.6	54.4	114.4
131	74.7	51.5	111.5

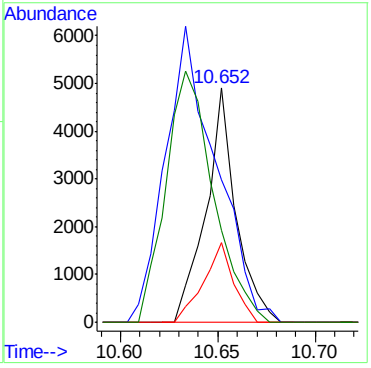




#71
Chlorobenzene
Concen: 0.34 ug/L
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: O19877.D
Acq: 31 Oct 2013 6:37 pm

Tgt Ion:112 Resp: 5301

Ion	Ratio	Lower	Upper
112	100		
77	61.0	47.8	107.8
114	33.9	2.8	62.8
51	39.5	42.7	102.7#



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19914.D
Acq On : 1 Nov 2013 6:19 pm
Operator : melissam
Sample : FA9297-25
Misc : MS25570,VO792,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 04 08:48:18 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

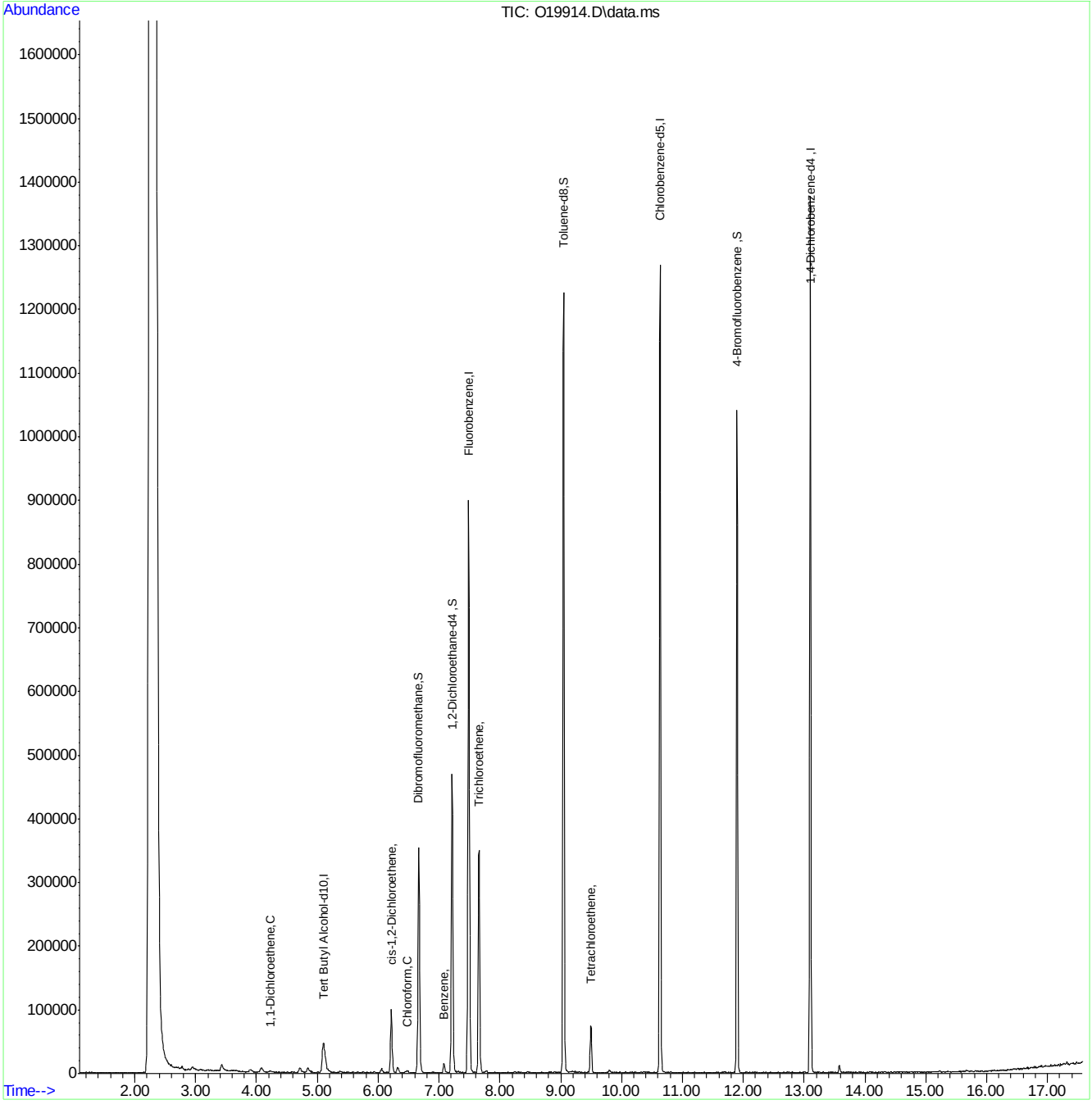
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	583333	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	455224	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	246001	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.110	65	62991	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	196159	52.39	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.78%			
46) 1,2-Dichloroethane-d4	7.214	65	335460	55.64	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 111.28%			
57) Toluene-d8	9.049	98	563884	49.05	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.10%			
79) 4-Bromofluorobenzene	11.896	95	256967	50.06	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.12%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.226	61	2512	0.26	ug/L	77
29) cis-1,2-Dichloroethene	6.214	96	31747	6.62	ug/L	97
33) Chloroform	6.482	83	2142	0.23	ug/L	77
44) Benzene	7.080	78	8464	0.53	ug/L	98
48) Trichloroethene	7.659	95	97125	20.35	ug/L	97
62) Tetrachloroethene	9.500	166	15690	3.19	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

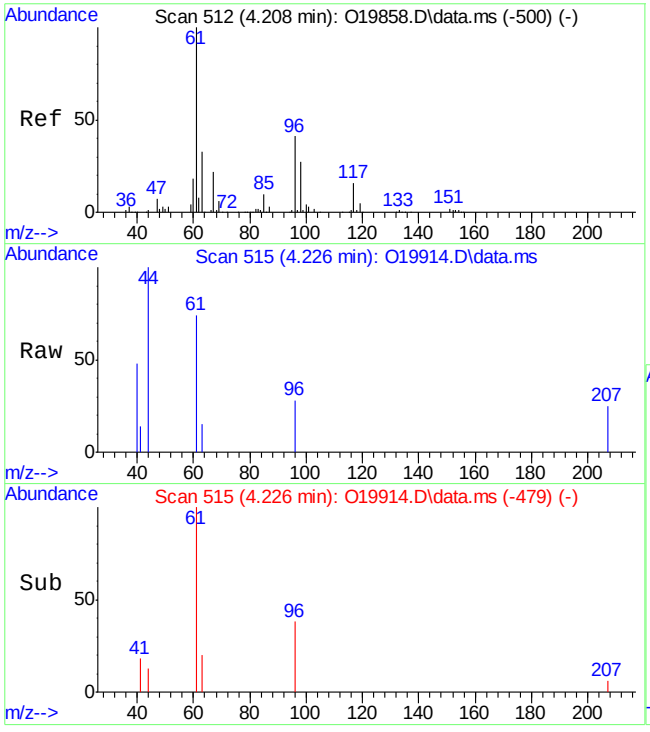
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19914.D
Acq On : 1 Nov 2013 6:19 pm
Operator : melissam
Sample : FA9297-25
Misc : MS25570,VO792,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 04 08:48:18 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



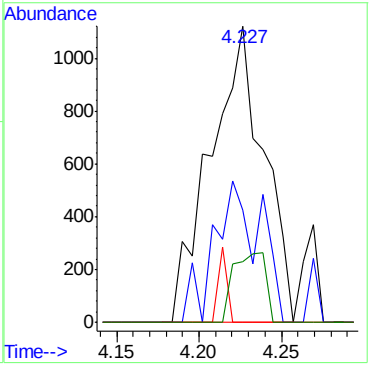
msoNCOXY103113.m Mon Nov 04 08:59:31 2013 Page: 2

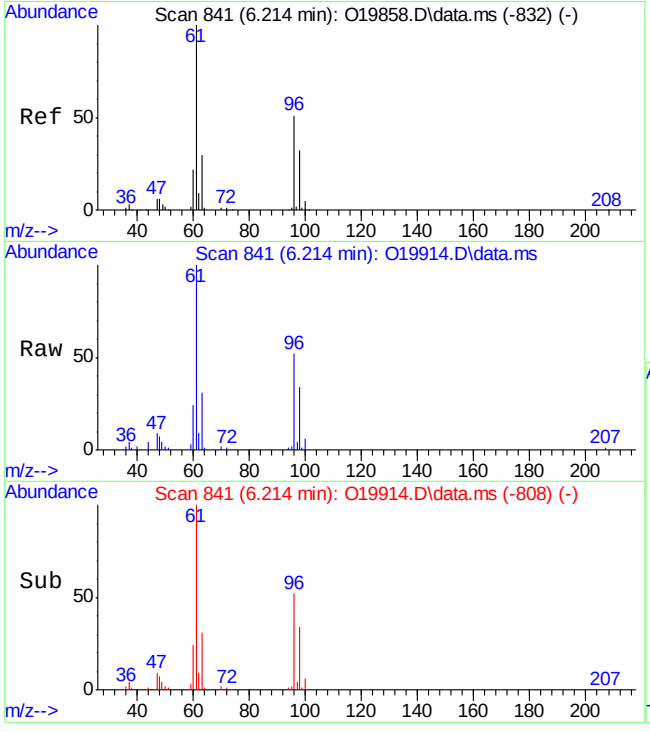


#11
1,1-Dichloroethene
Concen: 0.26 ug/L
RT: 4.226 min Scan# 515
Delta R.T. 0.018 min
Lab File: O19914.D
Acq: 1 Nov 2013 6:19 pm

Tgt Ion: 61 Resp: 2512

Ion	Ratio	Lower	Upper
61	100		
96	37.8	10.9	70.9
98	0.0	0.0	57.1
63	20.4	2.6	62.6

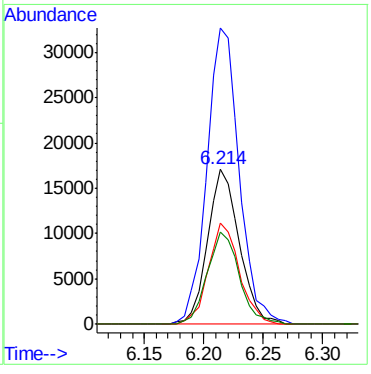


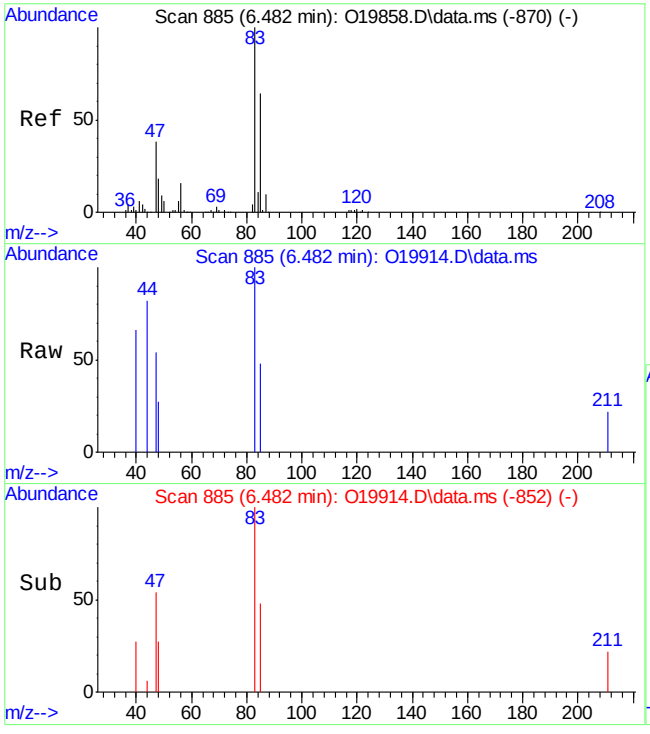


#29
cis-1,2-Dichloroethene
Concen: 6.62 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19914.D
Acq: 1 Nov 2013 6:19 pm

Tgt Ion: 96 Resp: 31747

Ion	Ratio	Lower	Upper
96	100		
61	191.1	166.6	226.6
98	65.3	33.5	93.5
63	59.7	28.5	88.5

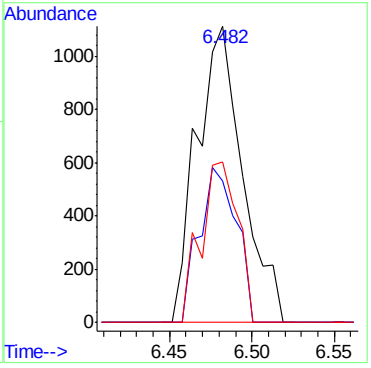


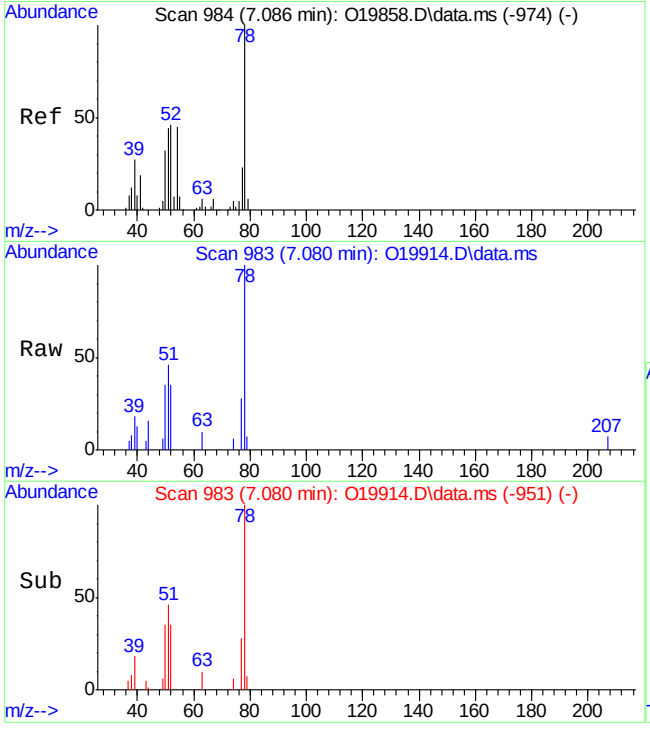


#33
Chloroform
Concen: 0.23 ug/L
RT: 6.482 min Scan# 885
Delta R.T. 0.000 min
Lab File: O19914.D
Acq: 1 Nov 2013 6:19 pm

Tgt Ion: 83 Resp: 2142

Ion	Ratio	Lower	Upper
83	100		
85	47.9	33.6	93.6
47	54.4	8.1	68.1

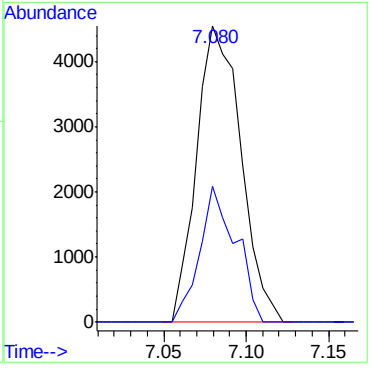


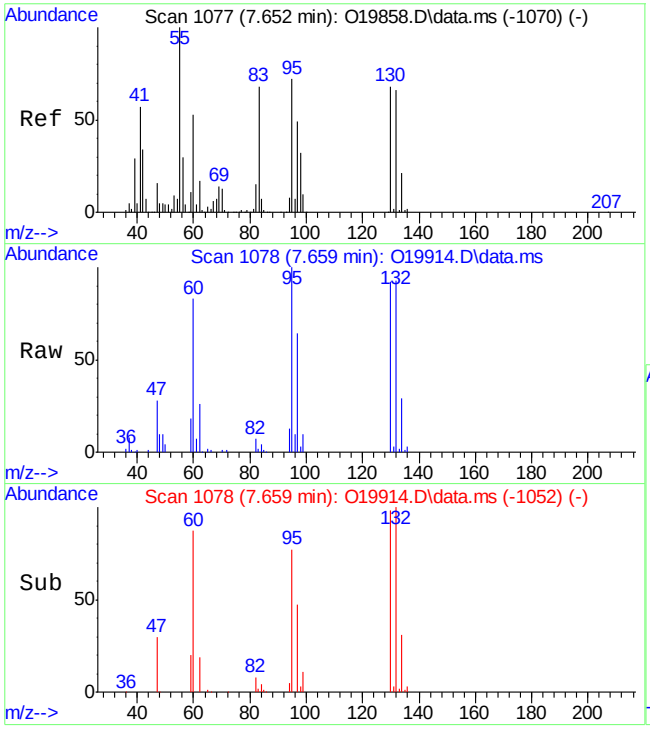


#44
Benzene
Concen: 0.53 ug/L
RT: 7.080 min Scan# 983
Delta R.T. -0.006 min
Lab File: O19914.D
Acq: 1 Nov 2013 6:19 pm

Tgt Ion: 78 Resp: 8464

Ion	Ratio	Lower	Upper
78	100		
51	45.9	14.3	74.3

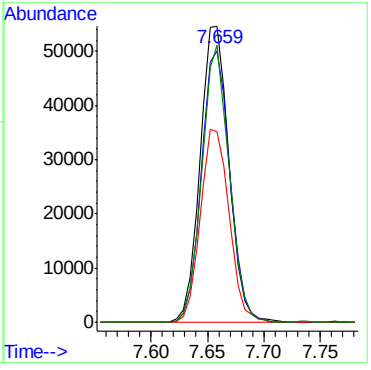


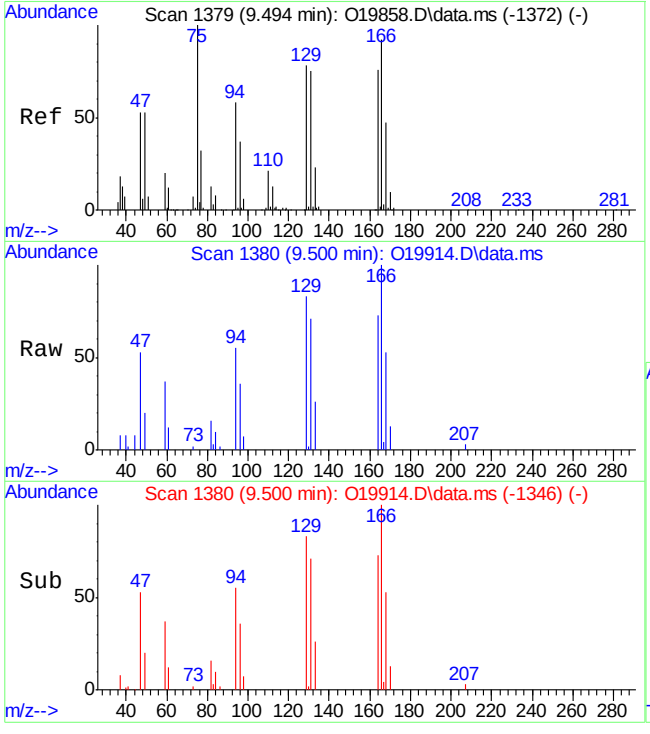


#48
Trichloroethene
Concen: 20.35 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19914.D
Acq: 1 Nov 2013 6:19 pm

Tgt Ion: 95 Resp: 97125

Ion	Ratio	Lower	Upper
95	100		
130	91.8	63.6	123.6
97	64.5	38.1	98.1
132	93.5	60.7	120.7

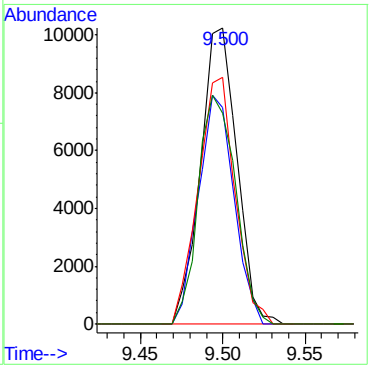




#62
Tetrachloroethene
Concen: 3.19 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19914.D
Acq: 1 Nov 2013 6:19 pm

Tgt Ion:166 Resp: 15690

Ion	Ratio	Lower	Upper
166	100		
164	73.1	52.5	112.5
129	83.3	54.4	114.4
131	71.1	51.5	111.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19878.D
Acq On : 31 Oct 2013 6:58 pm
Operator : melissam
Sample : FA9297-26
Misc : MS25564,VO791,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 01 11:15:50 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

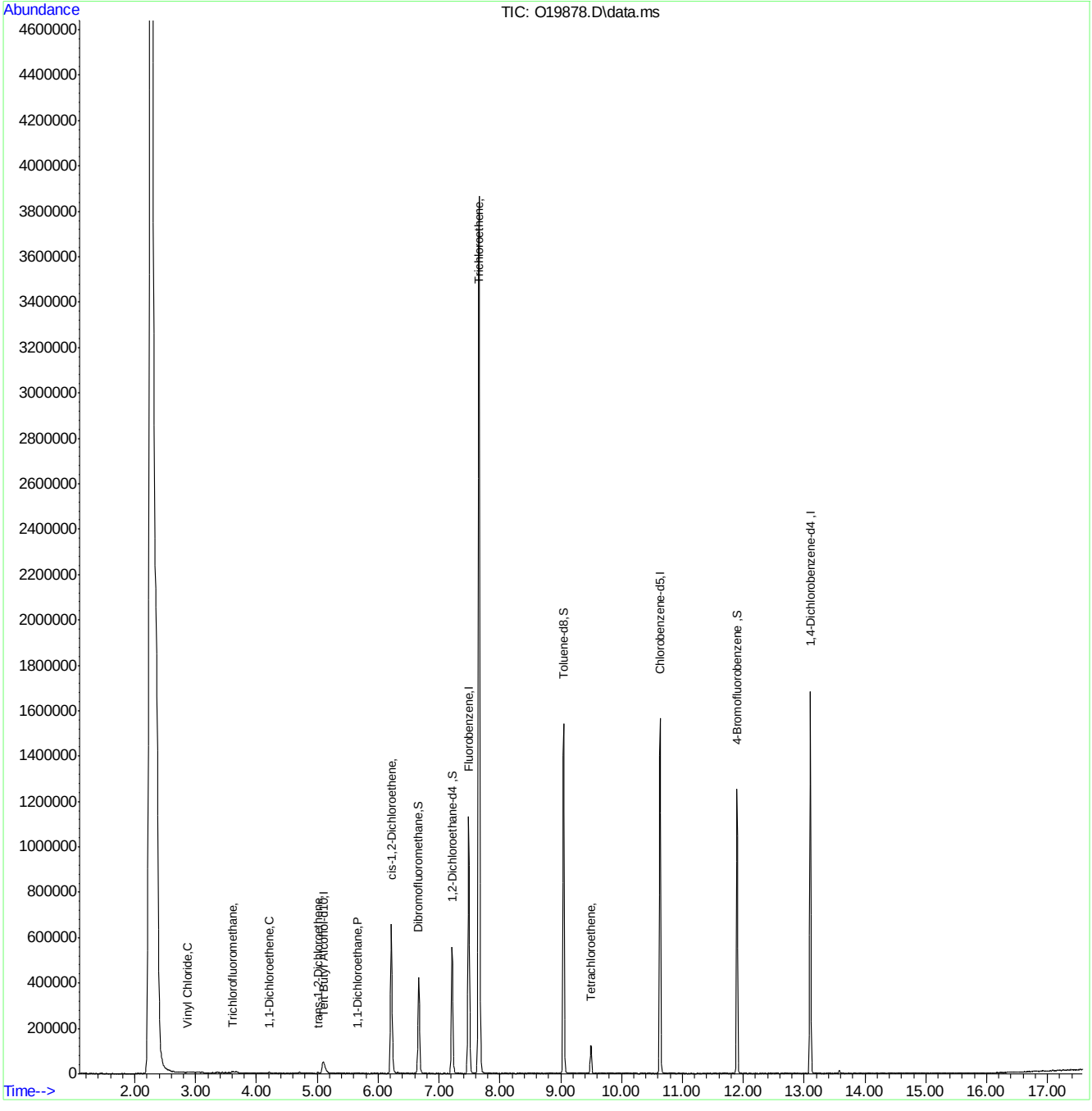
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	768589	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	583572	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	317649	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	75720	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	243463	49.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.84%			
46) 1,2-Dichloroethane-d4	7.214	65	397230	50.01	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 100.02%			
57) Toluene-d8	9.049	98	744683	50.17	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.34%			
79) 4-Bromofluorobenzene	11.896	95	324128	49.21	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.42%			
Target Compounds						Qvalue
5) Vinyl Chloride	2.861	62	3581	0.46	ug/L	92
8) Trichlorofluoromethane	3.605	101	8648	0.68	ug/L	70
11) 1,1-Dichloroethene	4.214	61	5184	0.41	ug/L	85
19) trans-1,2-Dichloroethene	5.007	61	2710	0.22	ug/L	89
25) 1,1-Dichloroethane	5.659	63	3269	0.23	ug/L	69
29) cis-1,2-Dichloroethene	6.214	96	227426	36.01	ug/L	99
48) Trichloroethene	7.659	95	1105197	175.76	ug/L	96
62) Tetrachloroethene	9.494	166	26228	4.16	ug/L	97

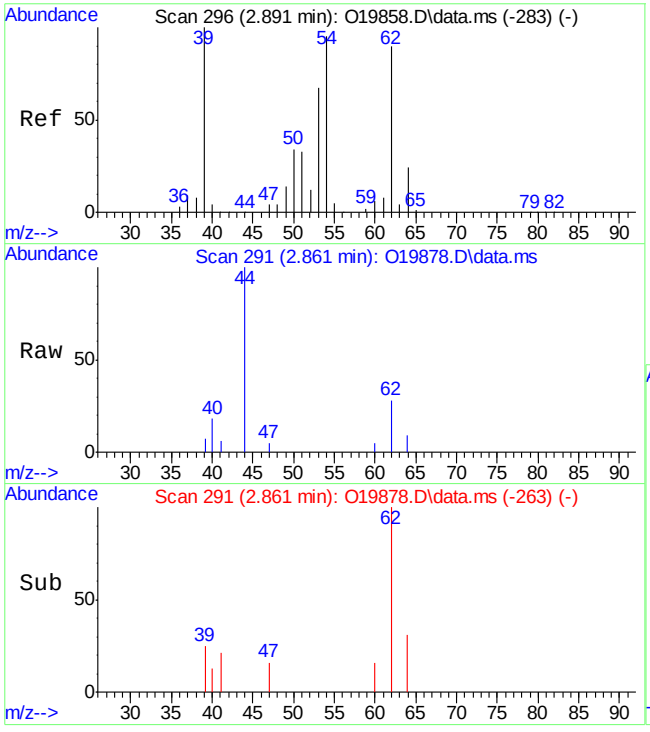
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19878.D
Acq On : 31 Oct 2013 6:58 pm
Operator : melissam
Sample : FA9297-26
Misc : MS25564,VO791,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 01 11:15:50 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

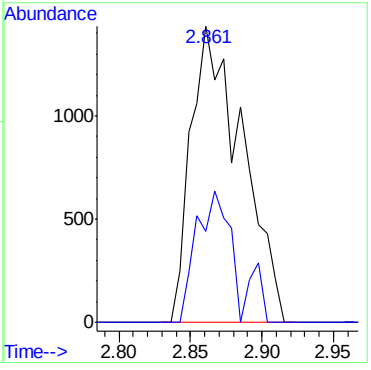


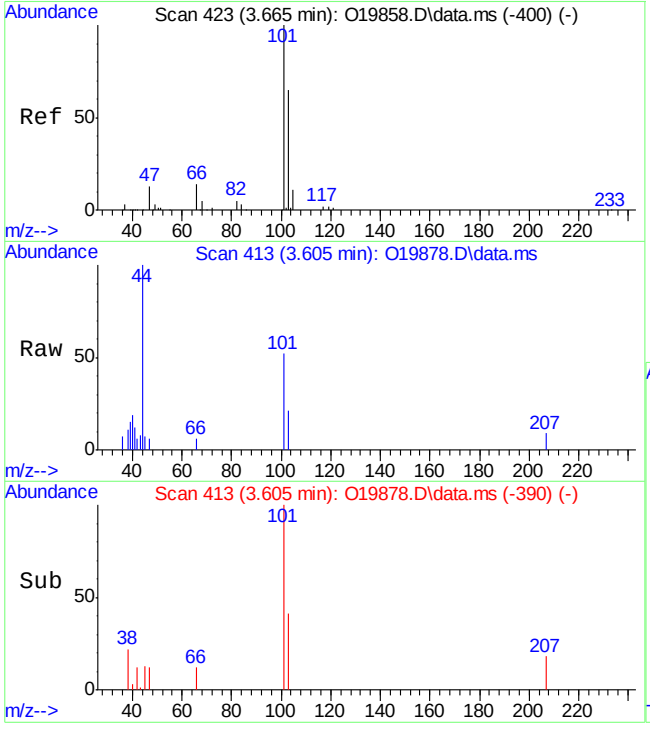


#5
Vinyl Chloride
Concen: 0.46 ug/L
RT: 2.861 min Scan# 291
Delta R.T. -0.030 min
Lab File: O19878.D
Acq: 31 Oct 2013 6:58 pm

Tgt Ion: 62 Resp: 3581

Ion	Ratio	Lower	Upper
62	100		
64	30.8	0.0	56.8

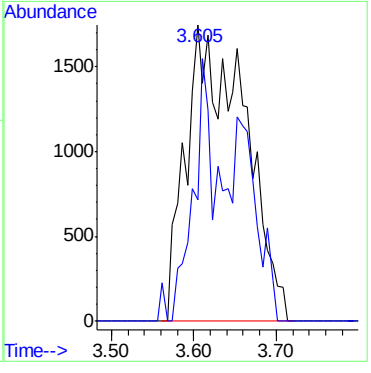


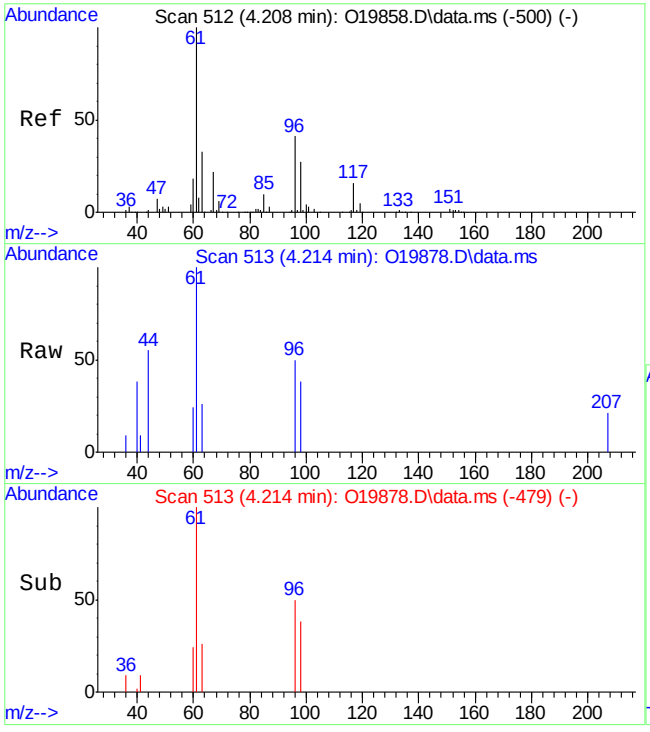


#8
Trichlorofluoromethane
Concen: 0.68 ug/L
RT: 3.605 min Scan# 413
Delta R.T. -0.061 min
Lab File: O19878.D
Acq: 31 Oct 2013 6:58 pm

Tgt Ion:101 Resp: 8648

Ion	Ratio	Lower	Upper
101	100		
103	41.0	34.6	94.6

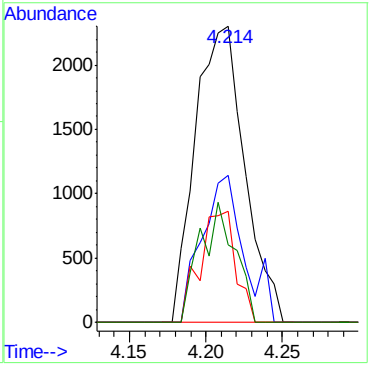


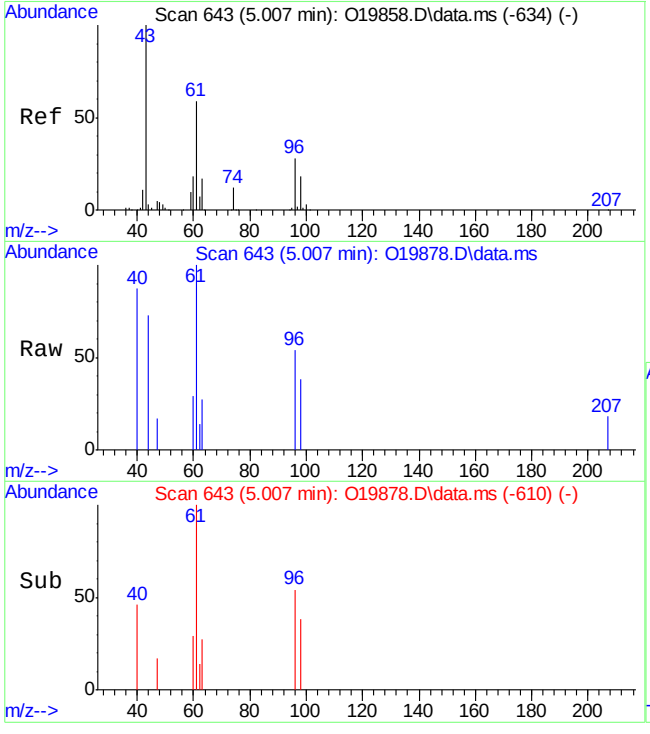


#11
1,1-Dichloroethene
Concen: 0.41 ug/L
RT: 4.214 min Scan# 513
Delta R.T. 0.006 min
Lab File: O19878.D
Acq: 31 Oct 2013 6:58 pm

Tgt Ion: 61 Resp: 5184

Ion	Ratio	Lower	Upper
61	100		
96	49.7	10.9	70.9
98	37.6	0.0	57.1
63	26.3	2.6	62.6

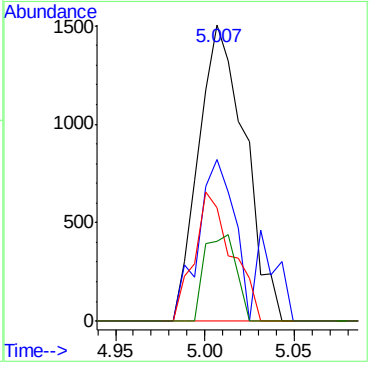


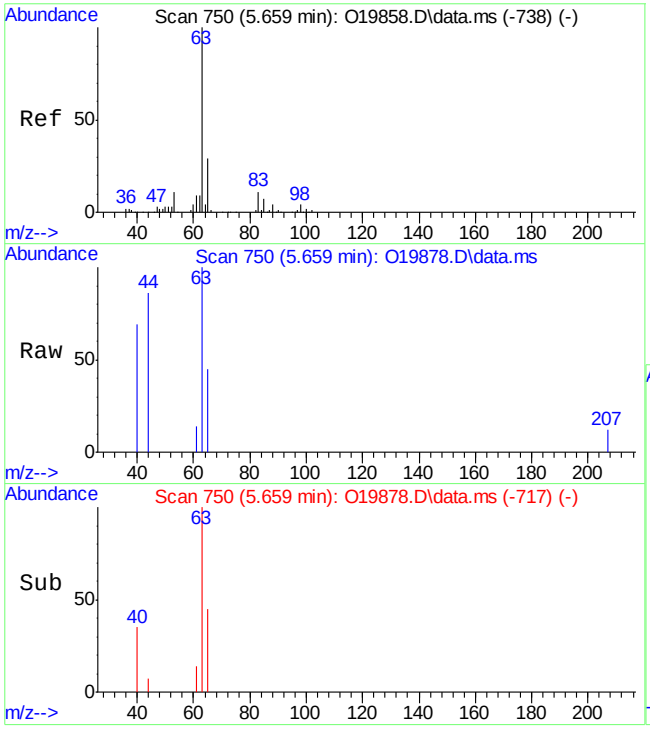


#19
trans-1,2-Dichloroethene
Concen: 0.22 ug/L
RT: 5.007 min Scan# 643
Delta R.T. 0.000 min
Lab File: O19878.D
Acq: 31 Oct 2013 6:58 pm

Tgt Ion: 61 Resp: 2710

Ion	Ratio	Lower	Upper
61	100		
96	54.4	16.6	76.6
98	38.4	0.0	59.8
63	26.9	0.0	59.1

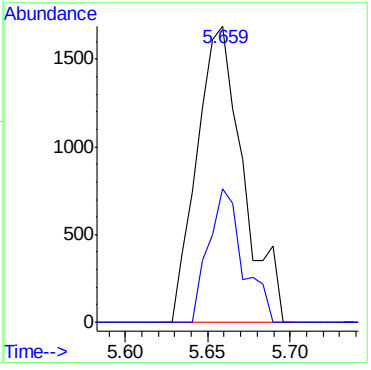


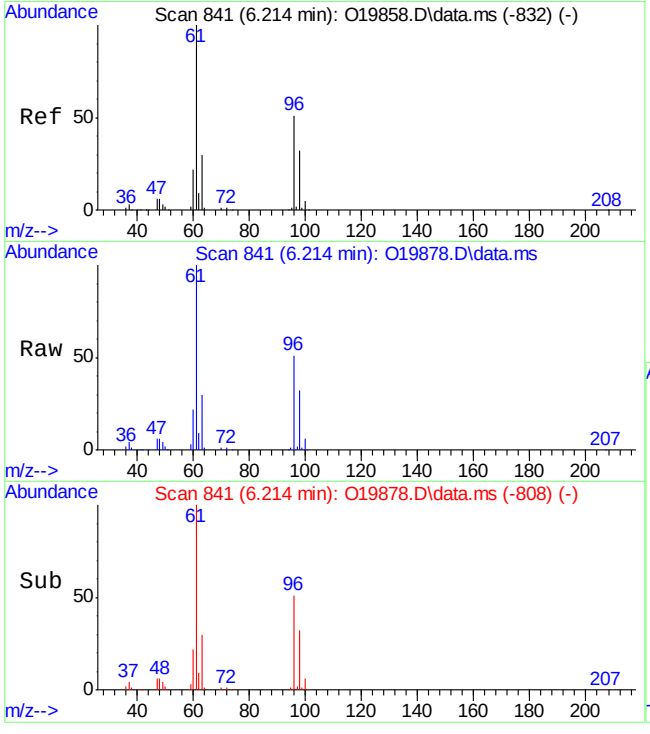


#25
1,1-Dichloroethane
Concen: 0.23 ug/L
RT: 5.659 min Scan# 750
Delta R.T. 0.000 min
Lab File: O19878.D
Acq: 31 Oct 2013 6:58 pm

Tgt Ion: 63 Resp: 3269

Ion	Ratio	Lower	Upper
63	100		
65	45.2	0.0	58.8

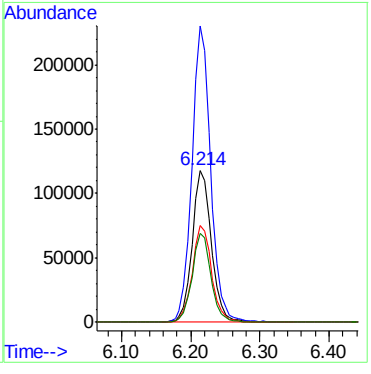


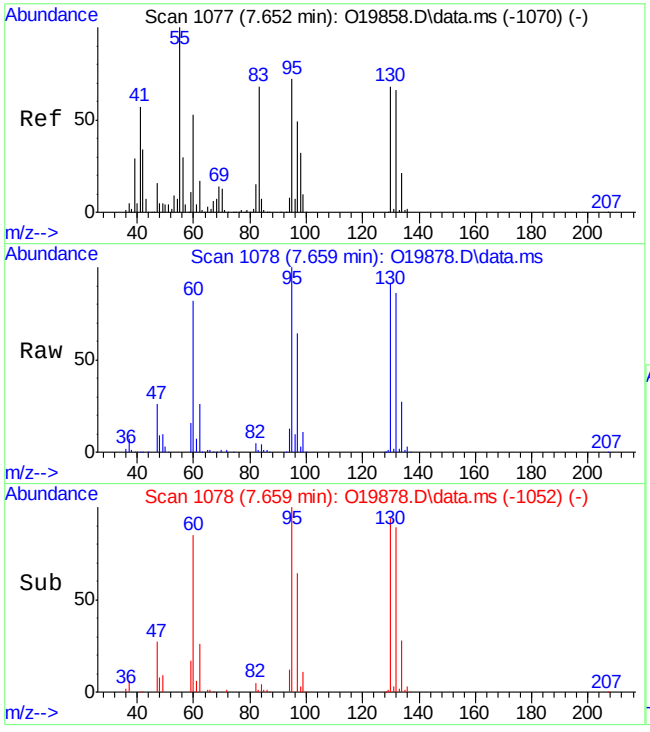


#29
cis-1,2-Dichloroethene
Concen: 36.01 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19878.D
Acq: 31 Oct 2013 6:58 pm

Tgt Ion: 96 Resp: 227426

Ion	Ratio	Lower	Upper
96	100		
61	194.9	166.6	226.6
98	63.4	33.5	93.5
63	58.8	28.5	88.5

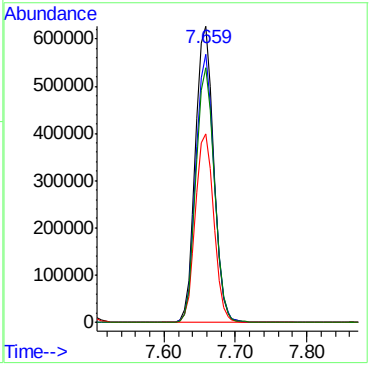


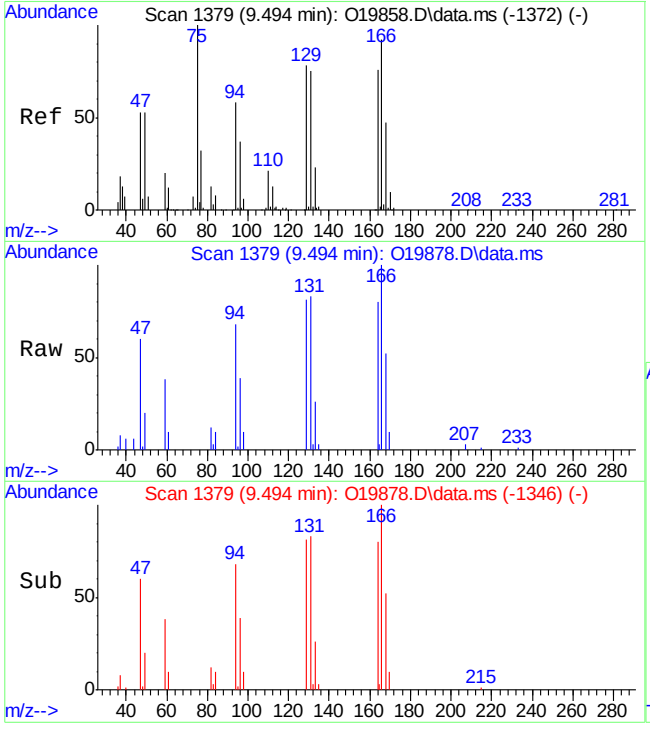


#48
Trichloroethene
Concen: 175.76 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19878.D
Acq: 31 Oct 2013 6:58 pm

Tgt Ion: 95 Resp: 1105197

Ion	Ratio	Lower	Upper
95	100		
130	90.6	63.6	123.6
97	63.7	38.1	98.1
132	86.0	60.7	120.7

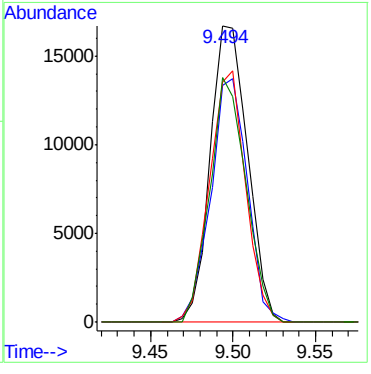




#62
Tetrachloroethene
Concen: 4.16 ug/L
RT: 9.494 min Scan# 1379
Delta R.T. 0.000 min
Lab File: O19878.D
Acq: 31 Oct 2013 6:58 pm

Tgt Ion:166 Resp: 26228

Ion	Ratio	Lower	Upper
166	100		
164	79.8	52.5	112.5
129	81.1	54.4	114.4
131	82.5	51.5	111.5



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19909.D
Acq On : 1 Nov 2013 4:33 pm
Operator : melissam
Sample : FA9297-26,2X
Misc : MS25570,VO792,,,,,2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 04 08:11:09 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

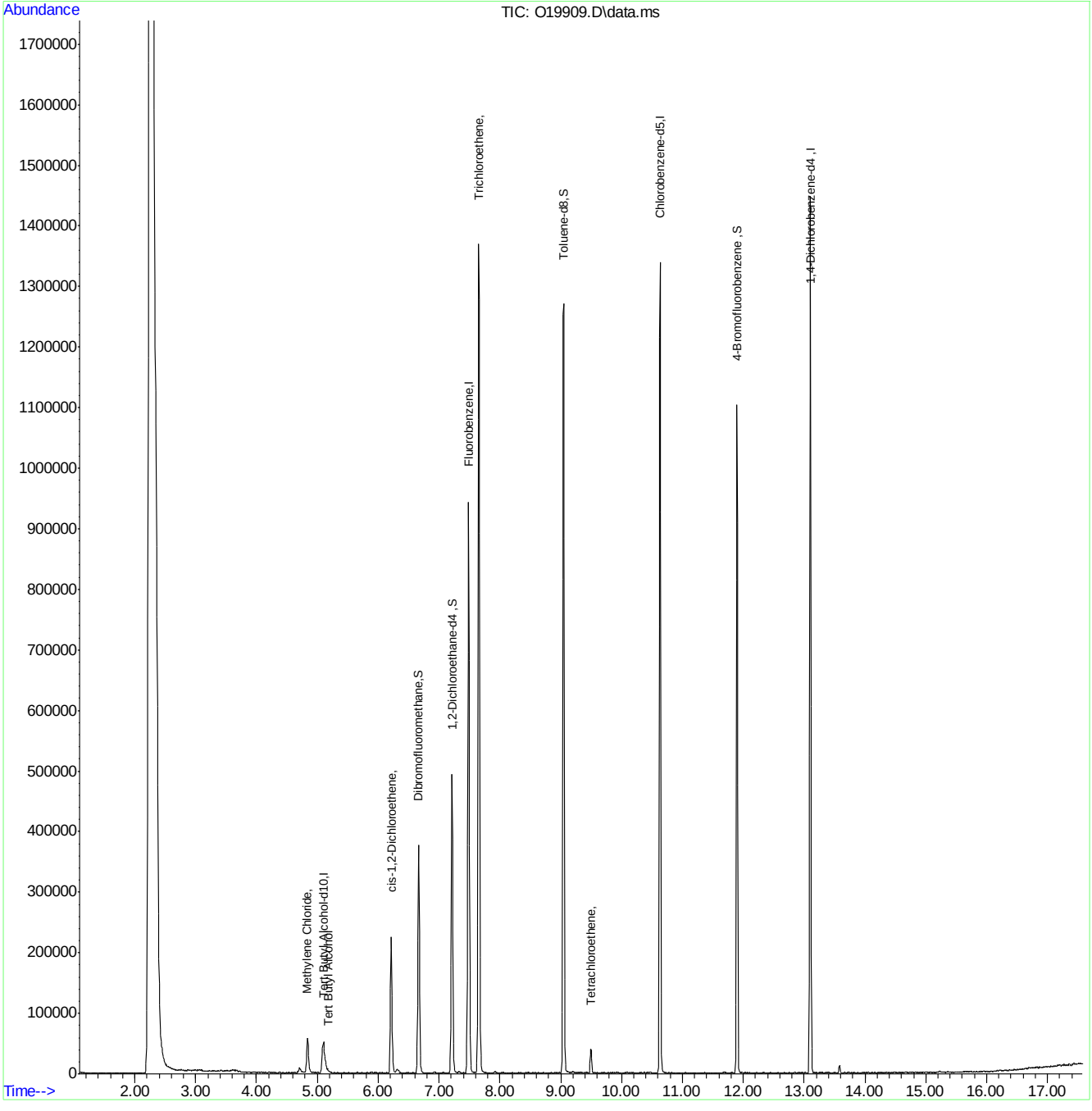
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	619559	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	476490	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	260068	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	65755	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	210257	52.79	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 105.58%			
46) 1,2-Dichloroethane-d4	7.214	65	353958	55.28	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 110.56%			
57) Toluene-d8	9.049	98	604621	49.95	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.90%			
79) 4-Bromofluorobenzene	11.896	95	274654	50.46	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.92%			
Target Compounds						Qvalue
16) Methylene Chloride	4.836	49	49623	4.11	ug/L	95
29) cis-1,2-Dichloroethene	6.214	96	74114	14.56	ug/L	99
48) Trichloroethene	7.653	95	370962	73.18	ug/L	96
62) Tetrachloroethene	9.500	166	8277	1.61	ug/L	95
109) Tert Butyl Alcohol	5.184	59	1543	2.75	ug/L #	36

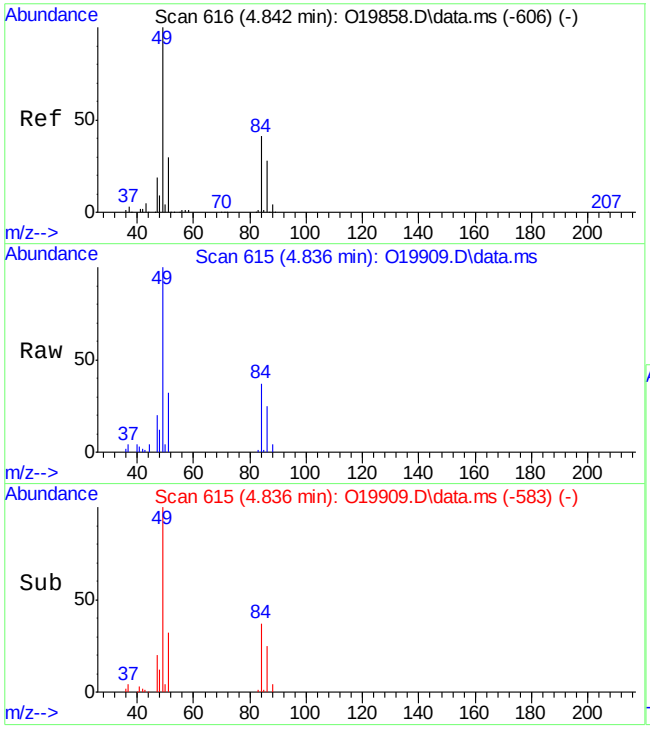
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19909.D
Acq On : 1 Nov 2013 4:33 pm
Operator : melissam
Sample : FA9297-26,2X
Misc : MS25570,VO792,,,,,2
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 04 08:11:09 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

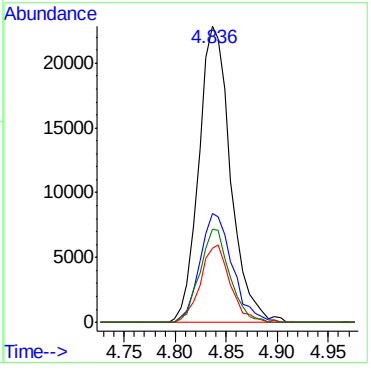


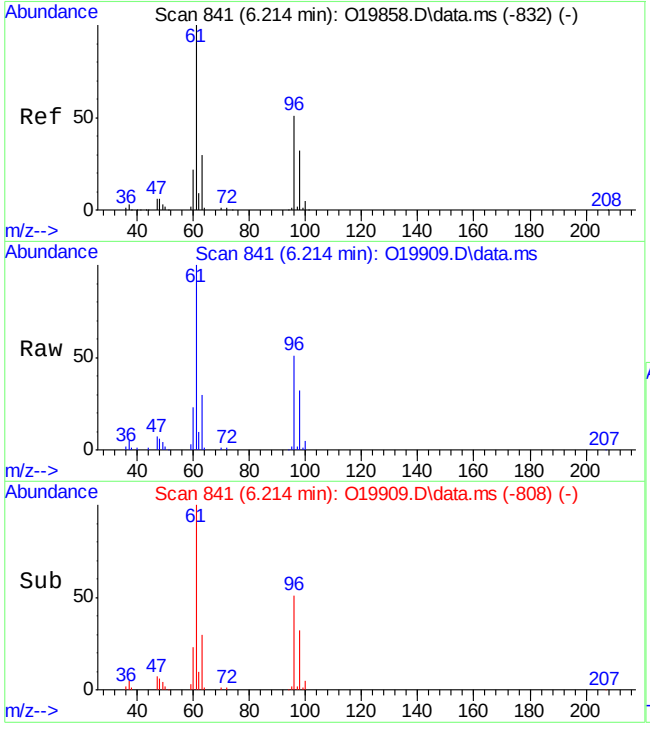


#16
Methylene Chloride
Concen: 4.11 ug/L
RT: 4.836 min Scan# 615
Delta R.T. -0.006 min
Lab File: O19909.D
Acq: 1 Nov 2013 4:33 pm

Tgt Ion: 49 Resp: 49623

Ion	Ratio	Lower	Upper
49	100		
84	36.7	10.6	70.6
86	24.9	0.0	57.7
51	31.6	0.1	60.1

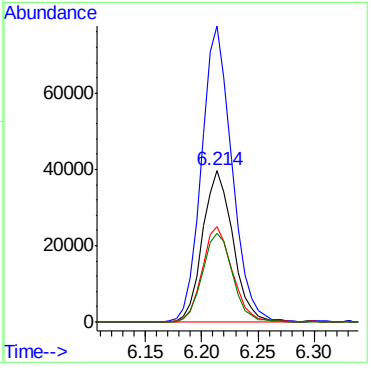


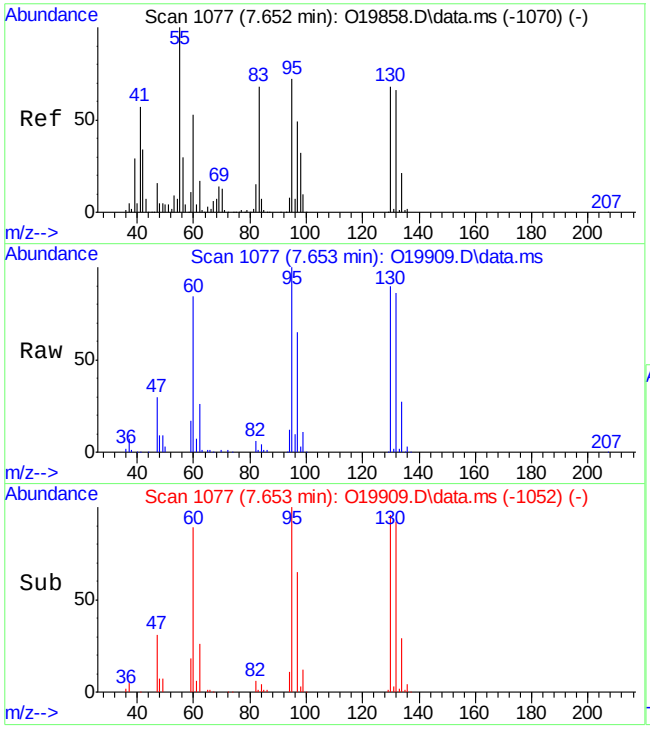


#29
cis-1,2-Dichloroethene
Concen: 14.56 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19909.D
Acq: 1 Nov 2013 4:33 pm

Tgt Ion: 96 Resp: 74114

Ion	Ratio	Lower	Upper
96	100		
61	194.9	166.6	226.6
98	63.1	33.5	93.5
63	58.6	28.5	88.5

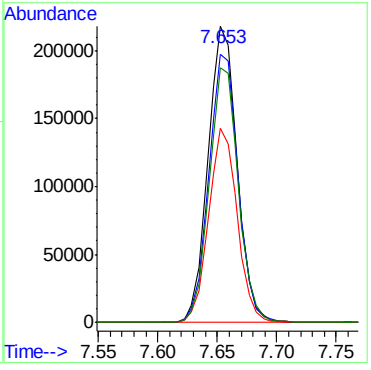


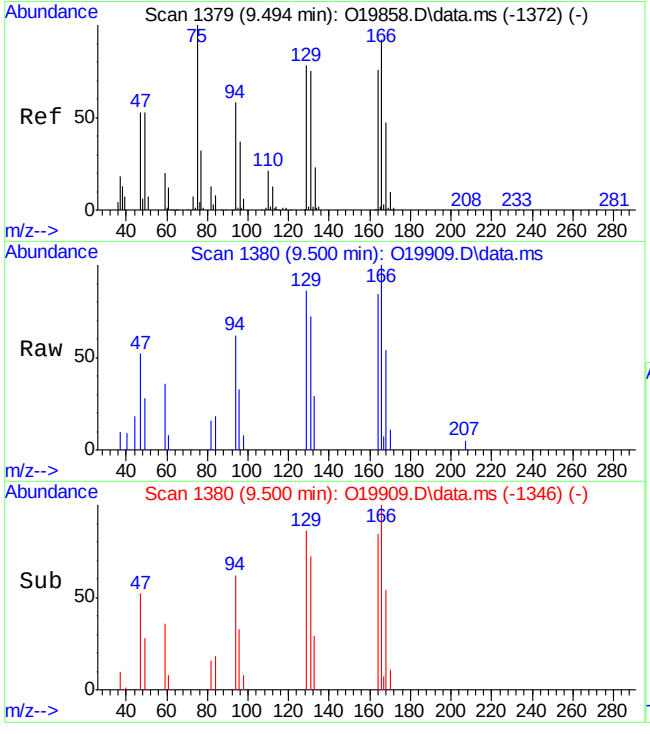


#48
Trichloroethene
Concen: 73.18 ug/L
RT: 7.653 min Scan# 1077
Delta R.T. 0.000 min
Lab File: O19909.D
Acq: 1 Nov 2013 4:33 pm

Tgt Ion: 95 Resp: 370962

Ion	Ratio	Lower	Upper
95	100		
130	90.4	63.6	123.6
97	65.4	38.1	98.1
132	86.0	60.7	120.7

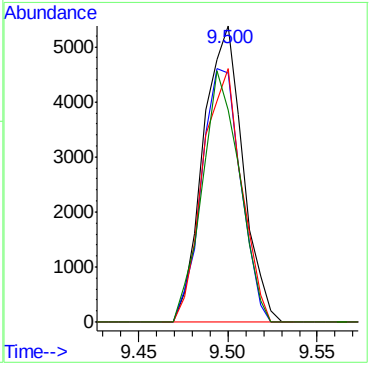


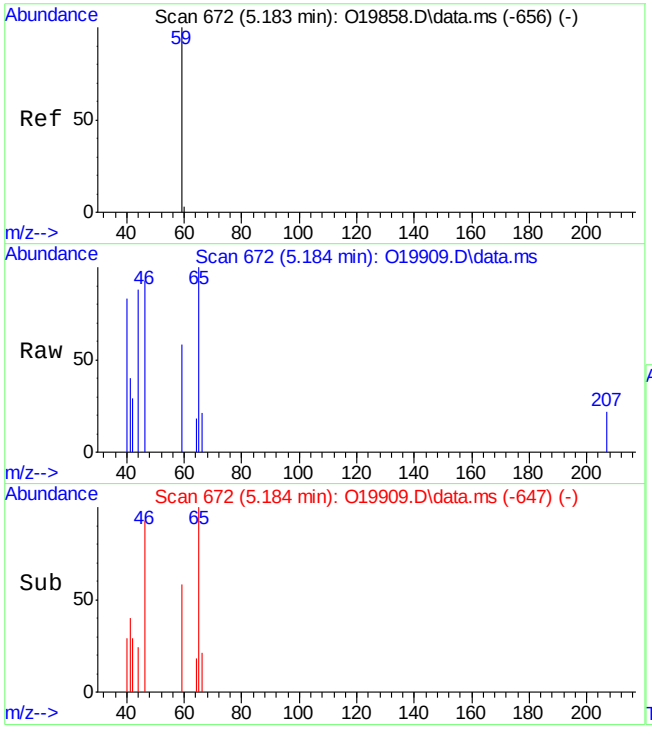


#62
Tetrachloroethene
Concen: 1.61 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19909.D
Acq: 1 Nov 2013 4:33 pm

Tgt Ion:166 Resp: 8277

Ion	Ratio	Lower	Upper
166	100		
164	84.1	52.5	112.5
129	85.8	54.4	114.4
131	71.5	51.5	111.5

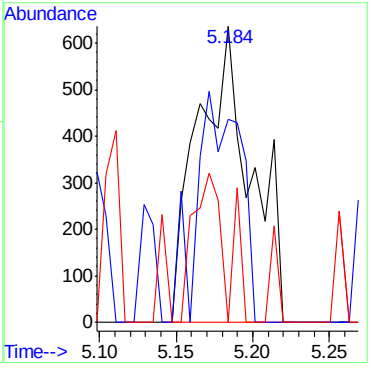




#109
Tert Butyl Alcohol
Concen: 2.75 ug/L
RT: 5.184 min Scan# 672
Delta R.T. 0.001 min
Lab File: O19909.D
Acq: 1 Nov 2013 4:33 pm

Tgt Ion: 59 Resp: 1543

Ion	Ratio	Lower	Upper
59	100		
41	68.4	6.9	46.9#
43	0.0	0.0	38.9



7.1.32

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19879.D
Acq On : 31 Oct 2013 7:19 pm
Operator : melissam
Sample : FA9297-27
Misc : MS25564,VO791,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 01 11:17:51 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

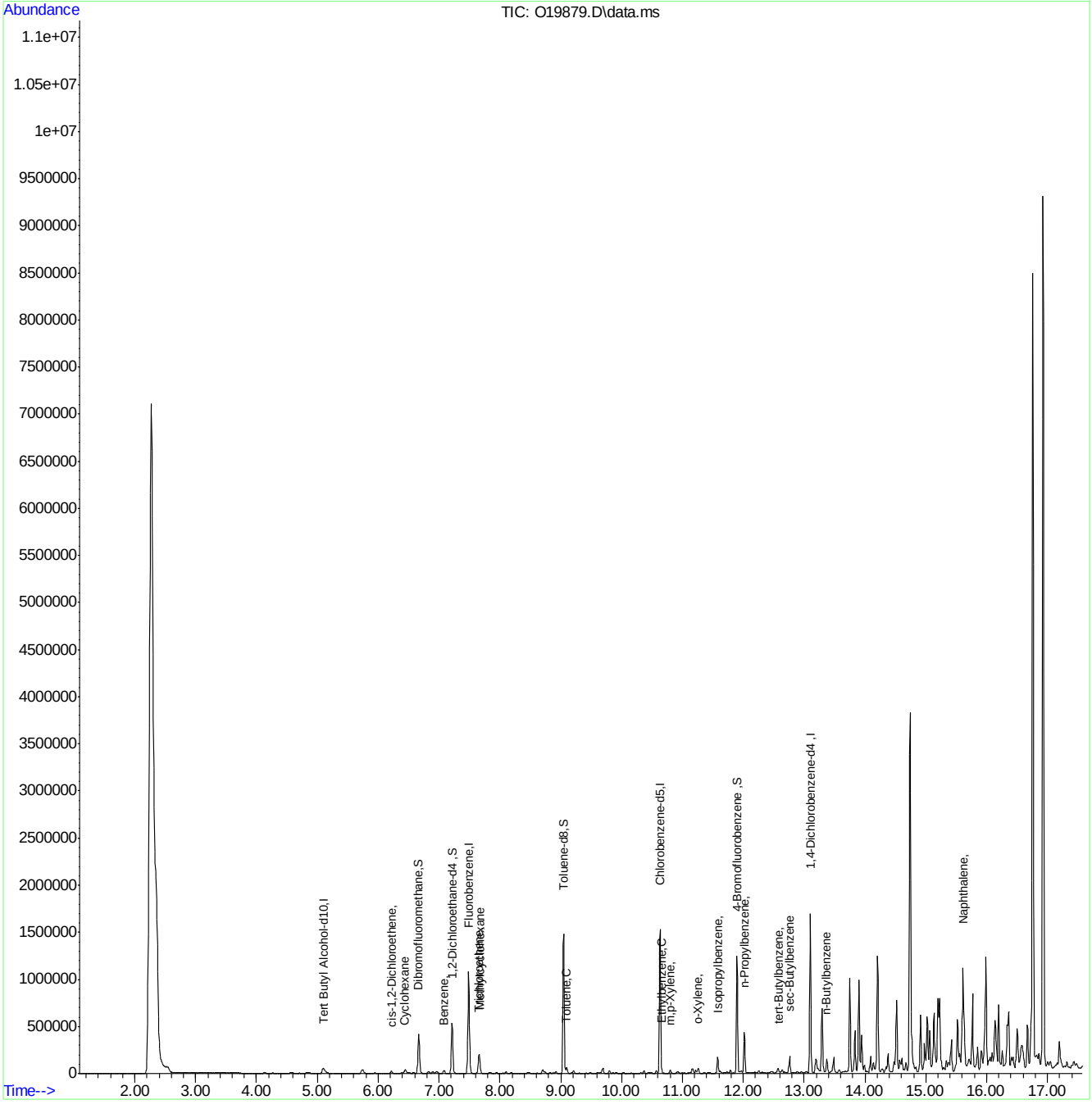
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	726791	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	572482	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	316544	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	79353	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	241341	51.86	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.72%			
46) 1,2-Dichloroethane-d4	7.214	65	383288	51.03	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 102.06%			
57) Toluene-d8	9.049	98	713956	49.30	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.60%			
79) 4-Bromofluorobenzene	11.896	95	328527	49.82	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.64%			
Target Compounds						Qvalue
29) cis-1,2-Dichloroethene	6.214	96	8594	1.44	ug/L	94
32) Cyclohexane	6.439	56	19024	1.29	ug/L	97
44) Benzene	7.080	78	20427	1.04	ug/L	78
48) Trichloroethene	7.653	95	19052	3.20	ug/L	94
49) Methylcyclohexane	7.665	83	41907	3.88	ug/L	97
58) Toluene	9.097	91	13265	0.56	ug/L	95
70) Ethylbenzene	10.658	91	14726	0.52	ug/L	94
73) m,p-Xylene	10.798	91	12373	0.58	ug/L	90
74) o-Xylene	11.256	91	20084	0.93	ug/L	91
77) Isopropylbenzene	11.579	105	82416	3.20	ug/L	98
81) n-Propylbenzene	12.018	91	250711	8.19	ug/L	97
91) tert-Butylbenzene	12.572	91	10856	0.76	ug/L	80
94) sec-Butylbenzene	12.761	105	75570	2.58	ug/L	79
98) n-Butylbenzene	13.371	92	31815	2.07	ug/L #	79
104) Naphthalene	15.615	128	594525	28.77	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

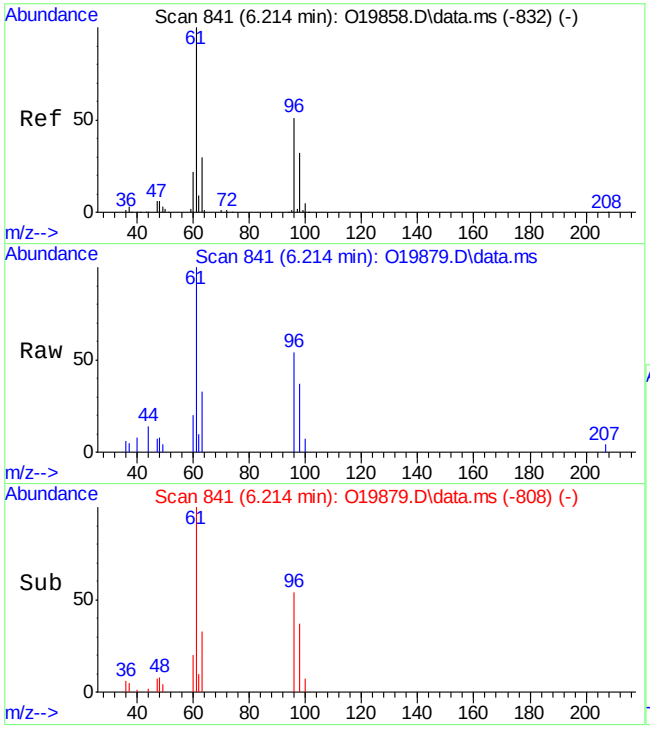
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19879.D
Acq On : 31 Oct 2013 7:19 pm
Operator : melissam
Sample : FA9297-27
Misc : MS25564,VO791,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 01 11:17:51 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



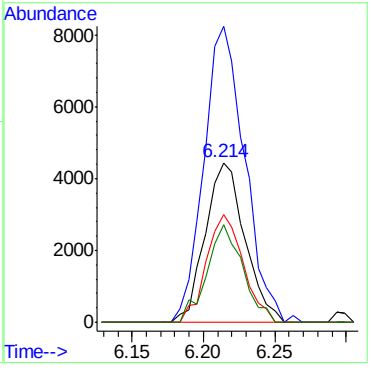
msoNCOXY103113.m Fri Nov 01 11:38:16 2013 Page: 2

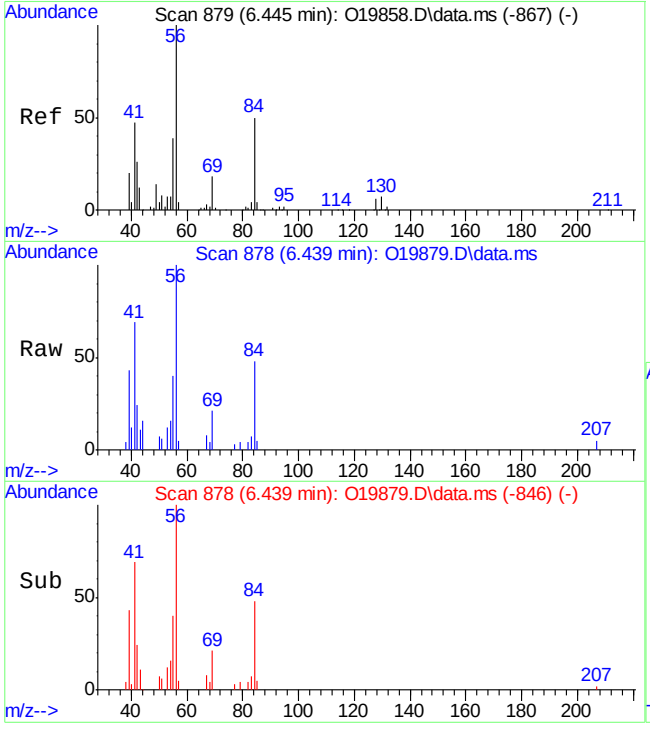


#29
cis-1,2-Dichloroethene
Concen: 1.44 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 96 Resp: 8594

Ion	Ratio	Lower	Upper
96	100		
61	185.3	166.6	226.6
98	67.7	33.5	93.5
63	61.0	28.5	88.5

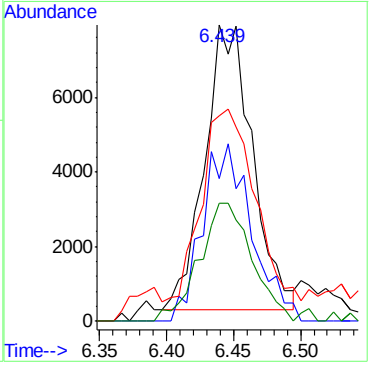


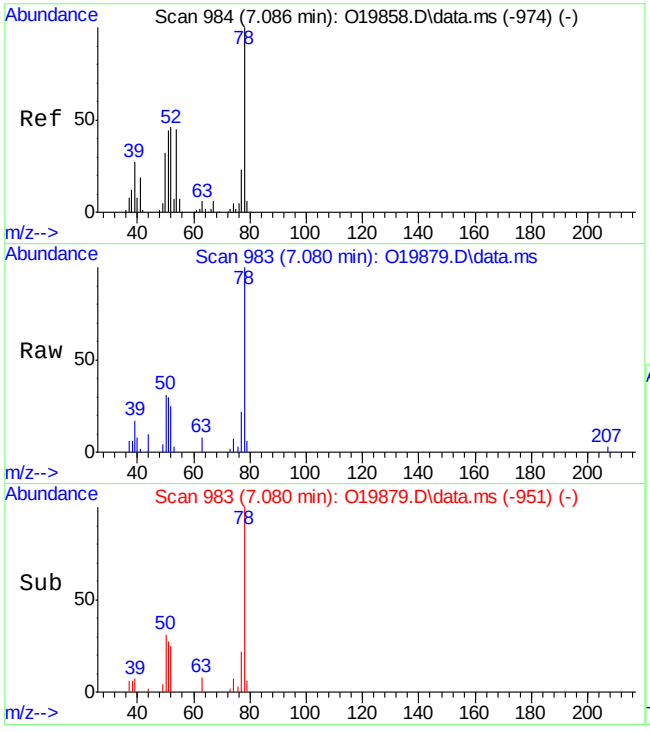


#32
Cyclohexane
Concen: 1.29 ug/L
RT: 6.439 min Scan# 878
Delta R.T. -0.006 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 56 Resp: 19024

Ion	Ratio	Lower	Upper
56	100		
84	50.0	30.4	70.4
41	65.3	41.2	81.2
55	41.4	18.9	58.9

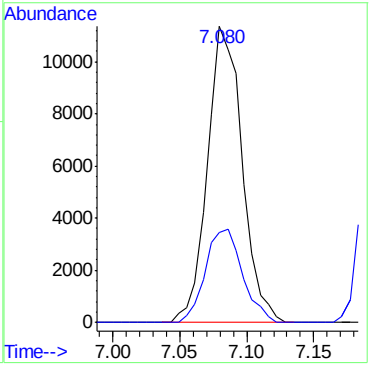


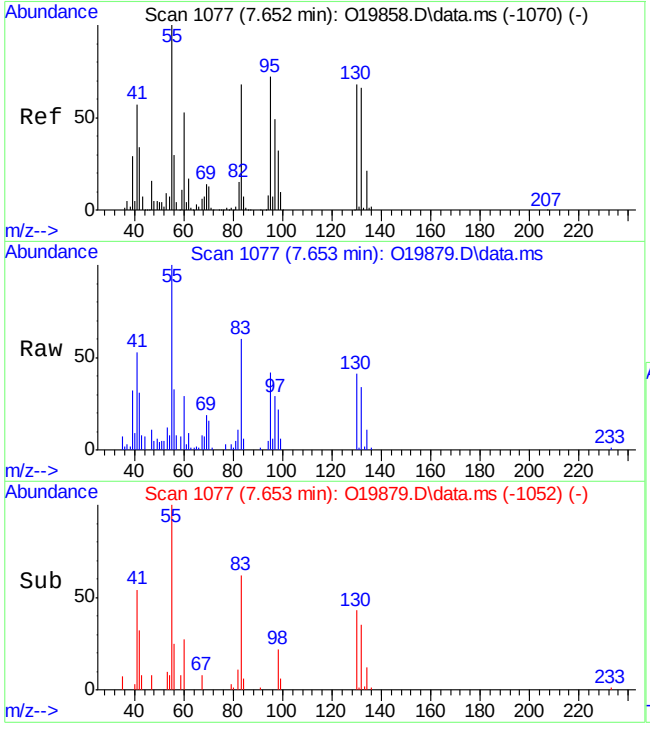


#44
Benzene
Concen: 1.04 ug/L
RT: 7.080 min Scan# 983
Delta R.T. -0.006 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 78 Resp: 20427

Ion	Ratio	Lower	Upper
78	100		
51	30.2	14.3	74.3

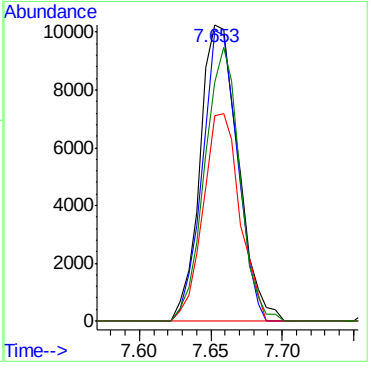


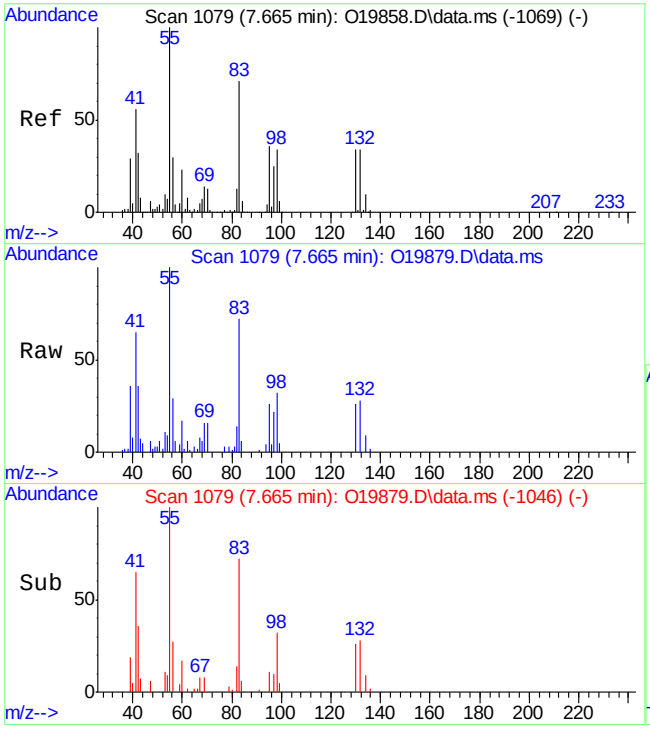


#48
Trichloroethene
Concen: 3.20 ug/L
RT: 7.653 min Scan# 1077
Delta R.T. 0.000 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 95 Resp: 19052

Ion	Ratio	Lower	Upper
95	100		
130	98.3	63.6	123.6
97	69.3	38.1	98.1
132	80.6	60.7	120.7

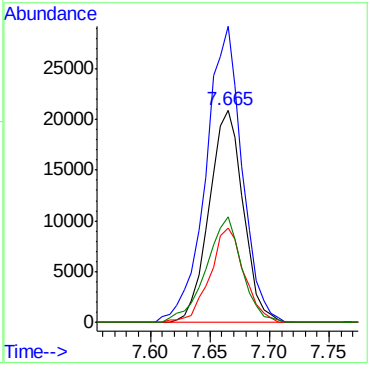


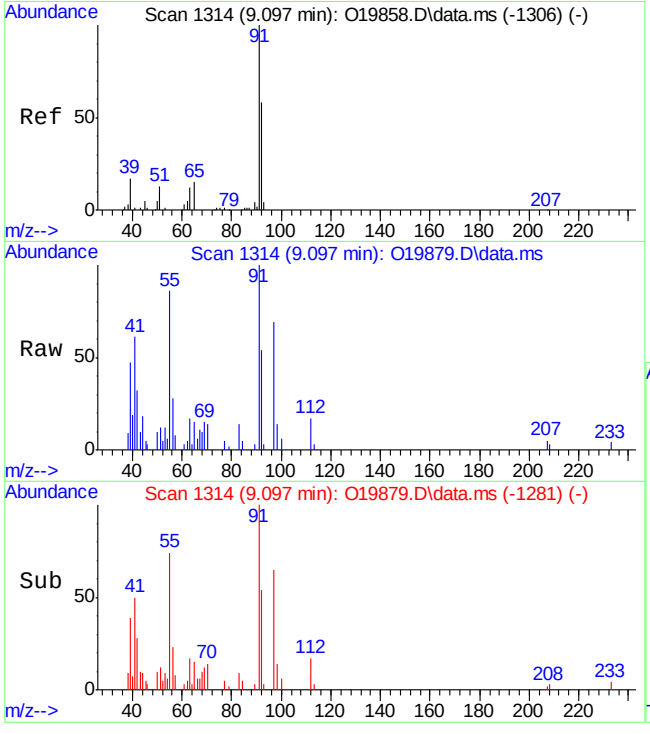


#49
Methylcyclohexane
Concen: 3.88 ug/L
RT: 7.665 min Scan# 1079
Delta R.T. 0.000 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 83 Resp: 41907

Ion	Ratio	Lower	Upper
83	100		
55	139.6	120.5	160.5
98	44.3	27.6	67.6
42	49.9	25.2	65.2

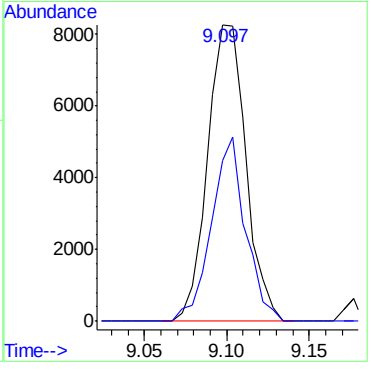


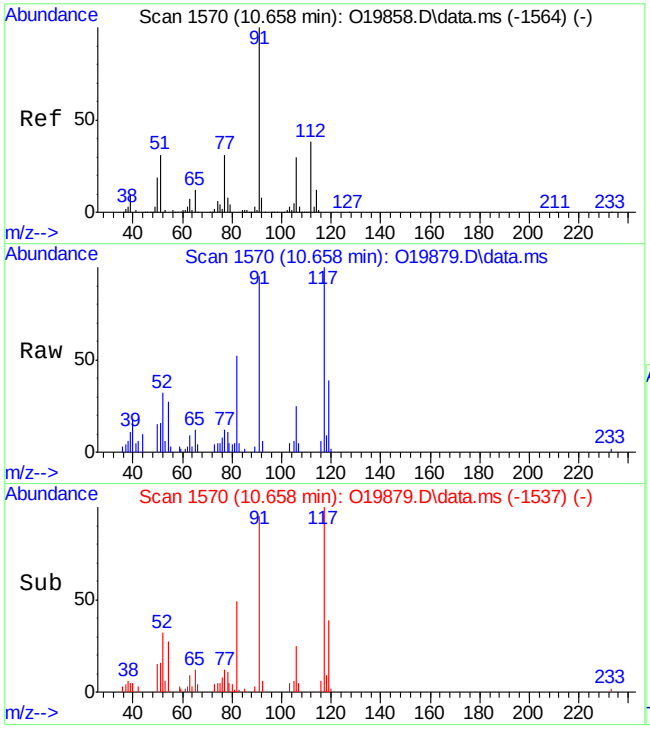


#58
Toluene
Concen: 0.56 ug/L
RT: 9.097 min Scan# 1314
Delta R.T. 0.000 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 91 Resp: 13265

Ion	Ratio	Lower	Upper
91	100		
92	54.1	28.1	88.1

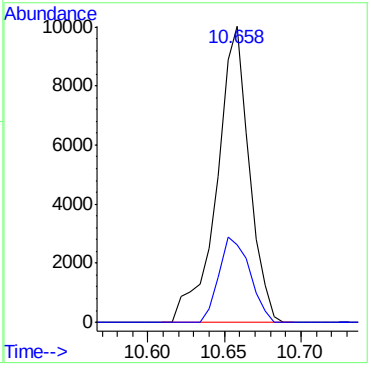


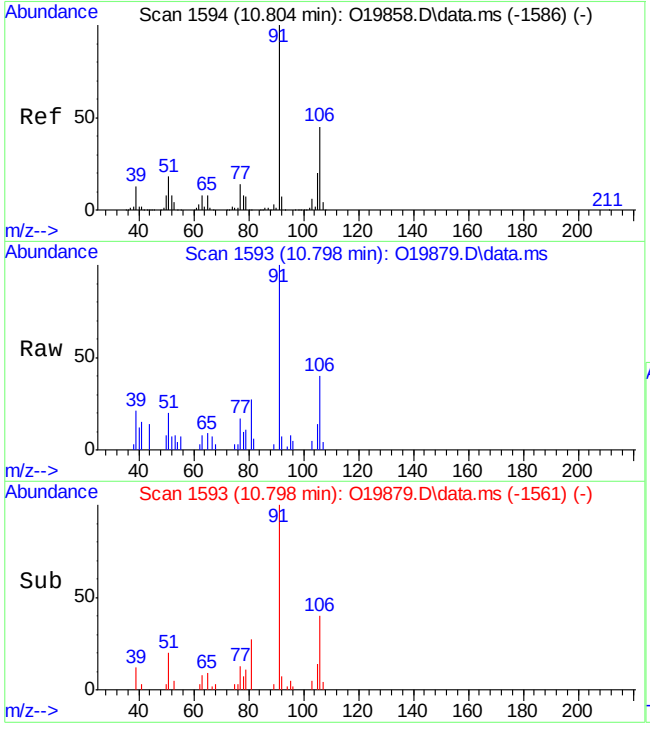


#70
Ethylbenzene
Concen: 0.52 ug/L
RT: 10.658 min Scan# 1570
Delta R.T. 0.000 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 91 Resp: 14726

Ion	Ratio	Lower	Upper
91	100		
106	26.1	0.0	59.6

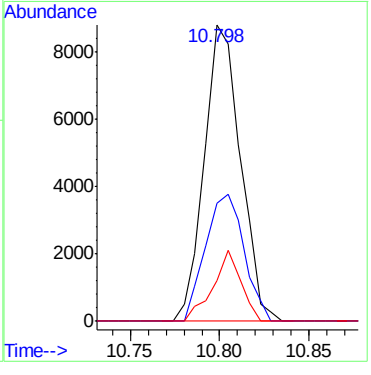


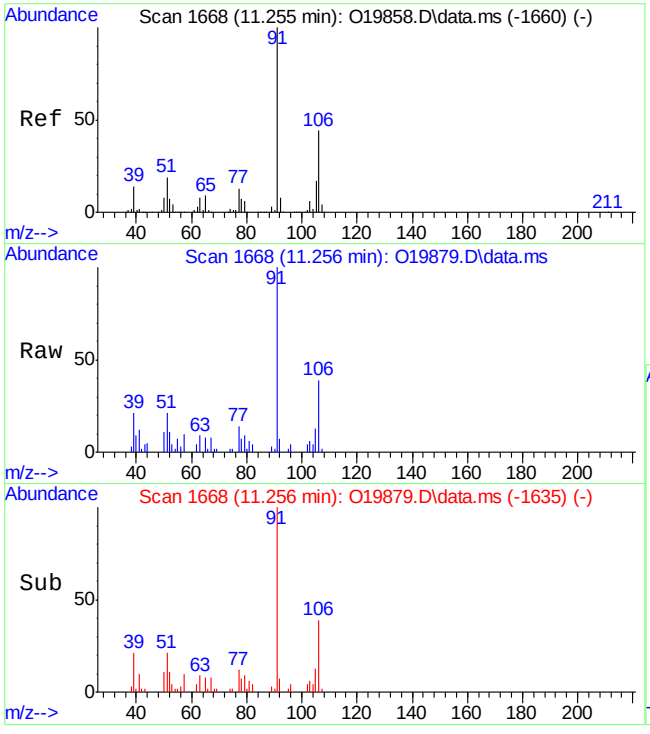


#73
m,p-Xylene
Concen: 0.58 ug/L
RT: 10.798 min Scan# 1593
Delta R.T. -0.006 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 91 Resp: 12373

Ion	Ratio	Lower	Upper
91	100		
106	39.8	14.9	74.9
105	13.5	0.0	49.7

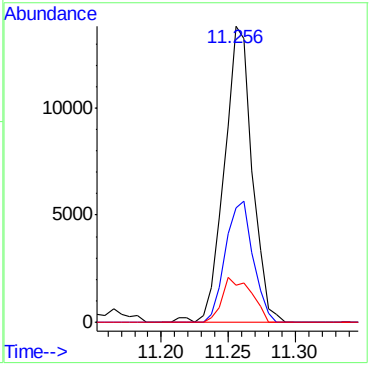


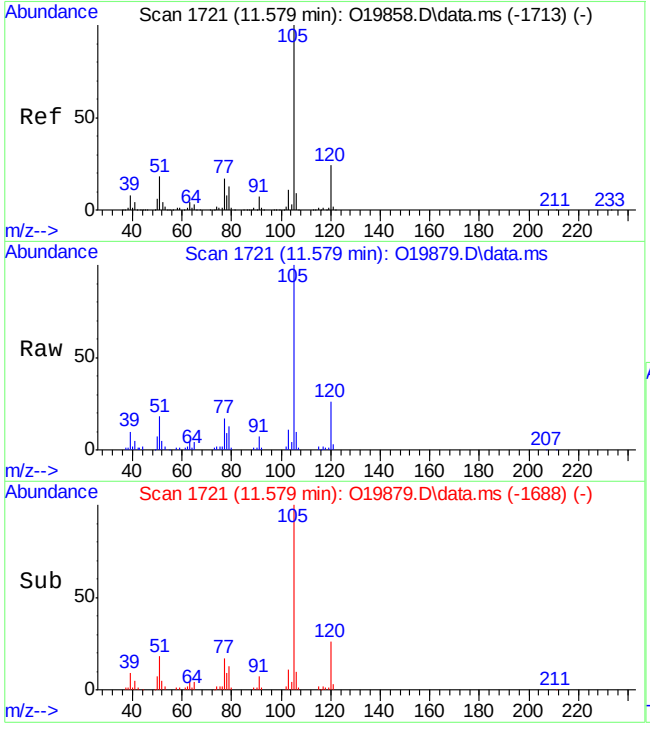


#74
o-Xylene
Concen: 0.93 ug/L
RT: 11.256 min Scan# 1668
Delta R.T. 0.000 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 91 Resp: 20084

Ion	Ratio	Lower	Upper
91	100		
106	38.5	14.0	74.0
105	12.5	0.0	46.7

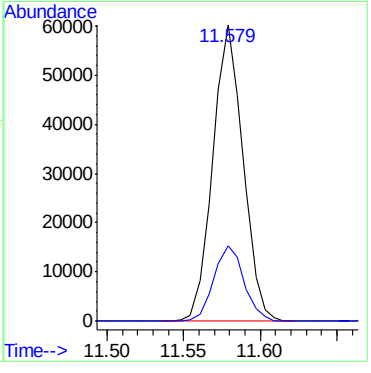


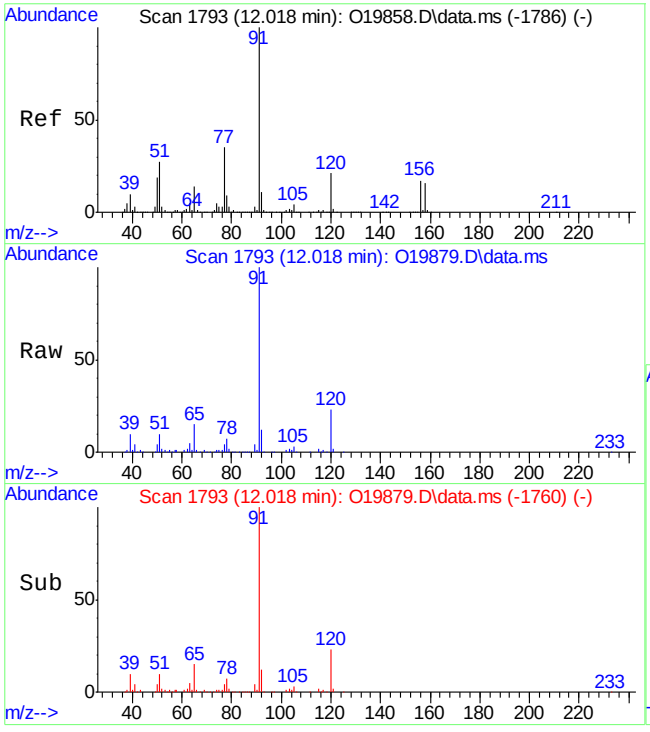


#77
Isopropylbenzene
Concen: 3.20 ug/L
RT: 11.579 min Scan# 1721
Delta R.T. 0.000 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion:105 Resp: 82416

Ion	Ratio	Lower	Upper
105	100		
120	25.5	0.0	54.5

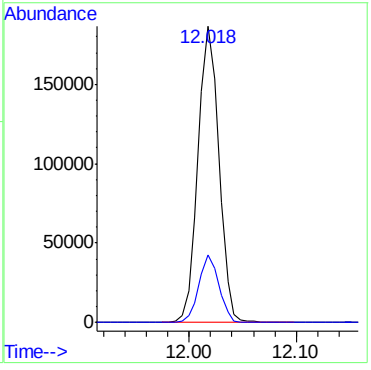


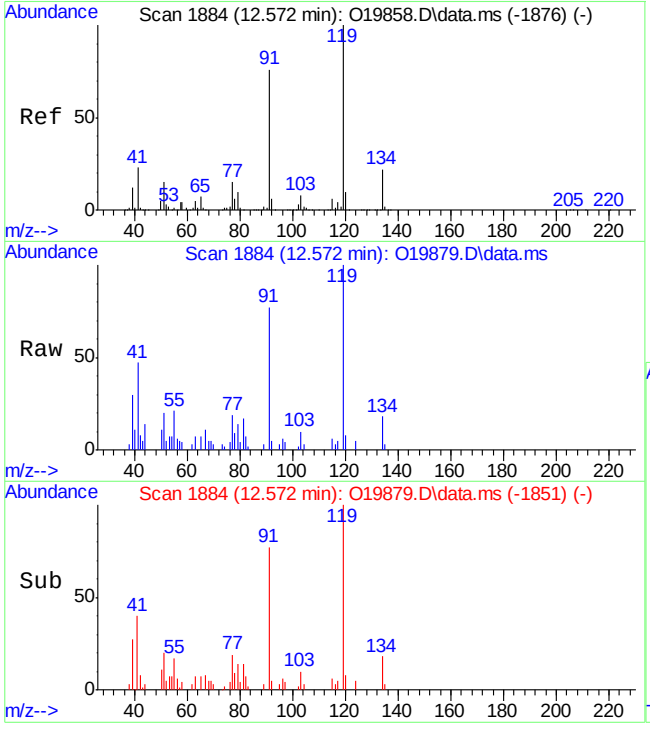


#81
n-Propylbenzene
Concen: 8.19 ug/L
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 91 Resp: 250711

Ion	Ratio	Lower	Upper
91	100		
120	22.8	0.0	51.3

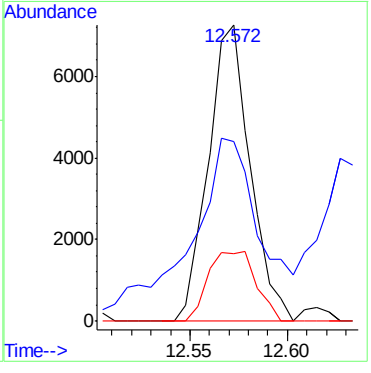


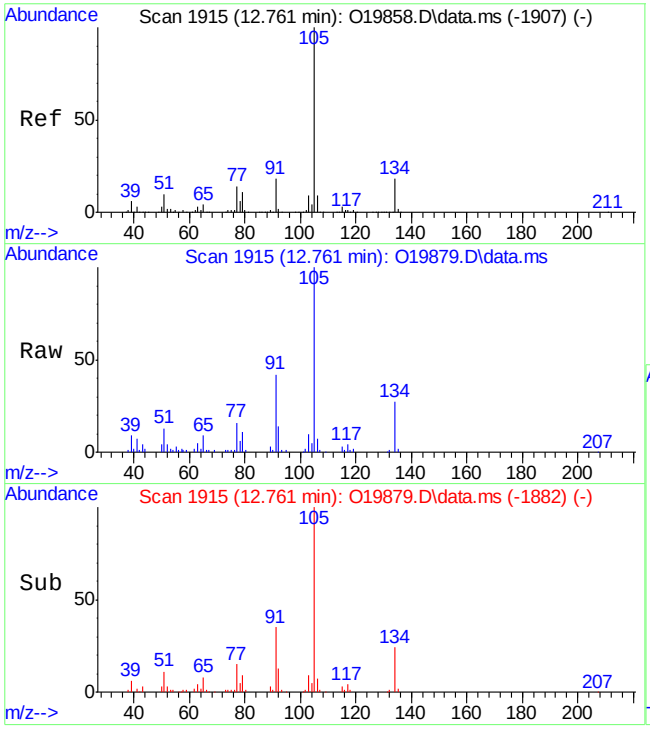


#91
tert-Butylbenzene
Concen: 0.76 ug/L
RT: 12.572 min Scan# 1884
Delta R.T. 0.000 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 91 Resp: 10856

Ion	Ratio	Lower	Upper
91	100		
41	45.2	0.5	60.5
134	22.8	0.0	59.2

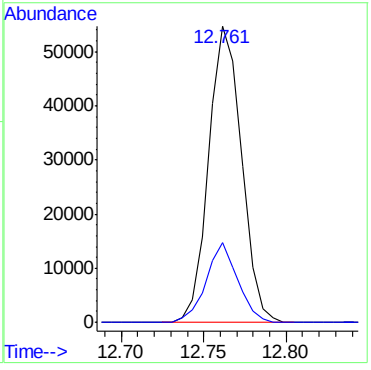


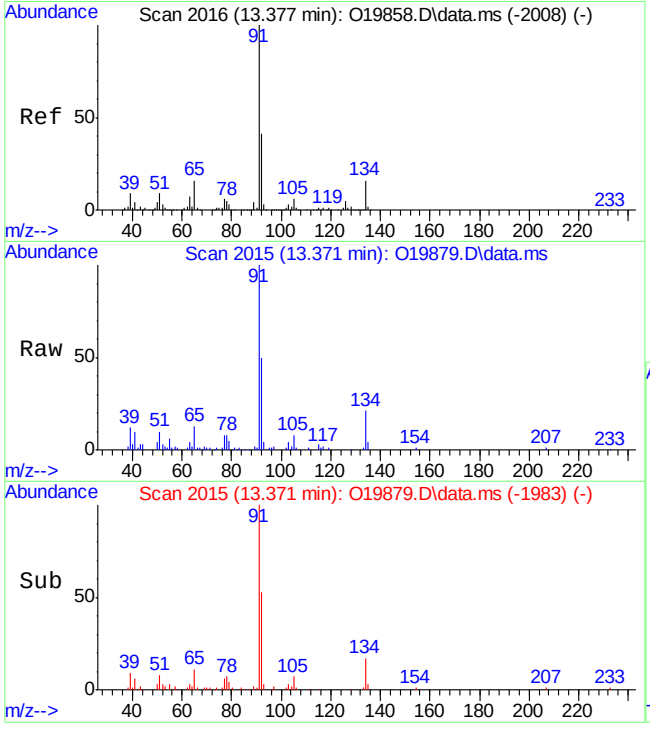


#94
sec-Butylbenzene
Concen: 2.58 ug/L
RT: 12.761 min Scan# 1915
Delta R.T. 0.000 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion:105 Resp: 75570

Ion	Ratio	Lower	Upper
105	100		
134	26.8	0.0	47.7

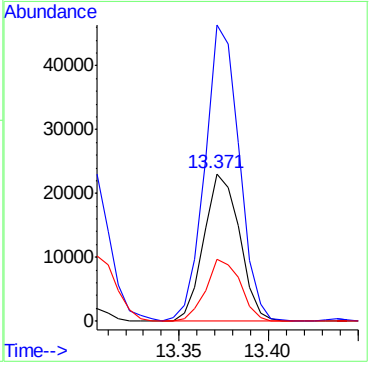


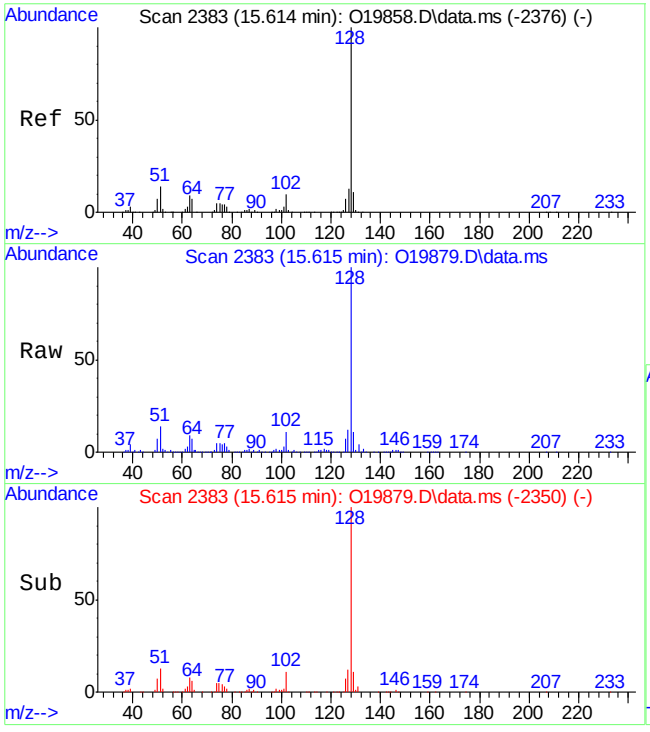


#98
n-Butylbenzene
Concen: 2.07 ug/L
RT: 13.371 min Scan# 2015
Delta R.T. -0.006 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion: 92 Resp: 31815

Ion	Ratio	Lower	Upper
92	100		
91	201.1	212.3	272.3#
134	42.0	9.7	69.7

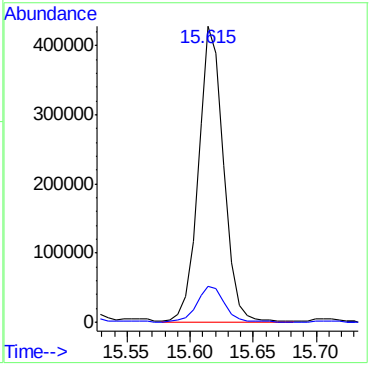




#104
Naphthalene
Concen: 28.77 ug/L
RT: 15.615 min Scan# 2383
Delta R.T. 0.000 min
Lab File: O19879.D
Acq: 31 Oct 2013 7:19 pm

Tgt Ion:128 Resp: 594525

Ion	Ratio	Lower	Upper
128	100		
127	12.1	0.0	42.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19880.D
Acq On : 31 Oct 2013 7:41 pm
Operator : melissam
Sample : FA9297-28
Misc : MS25564,VO791,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 01 11:19:09 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

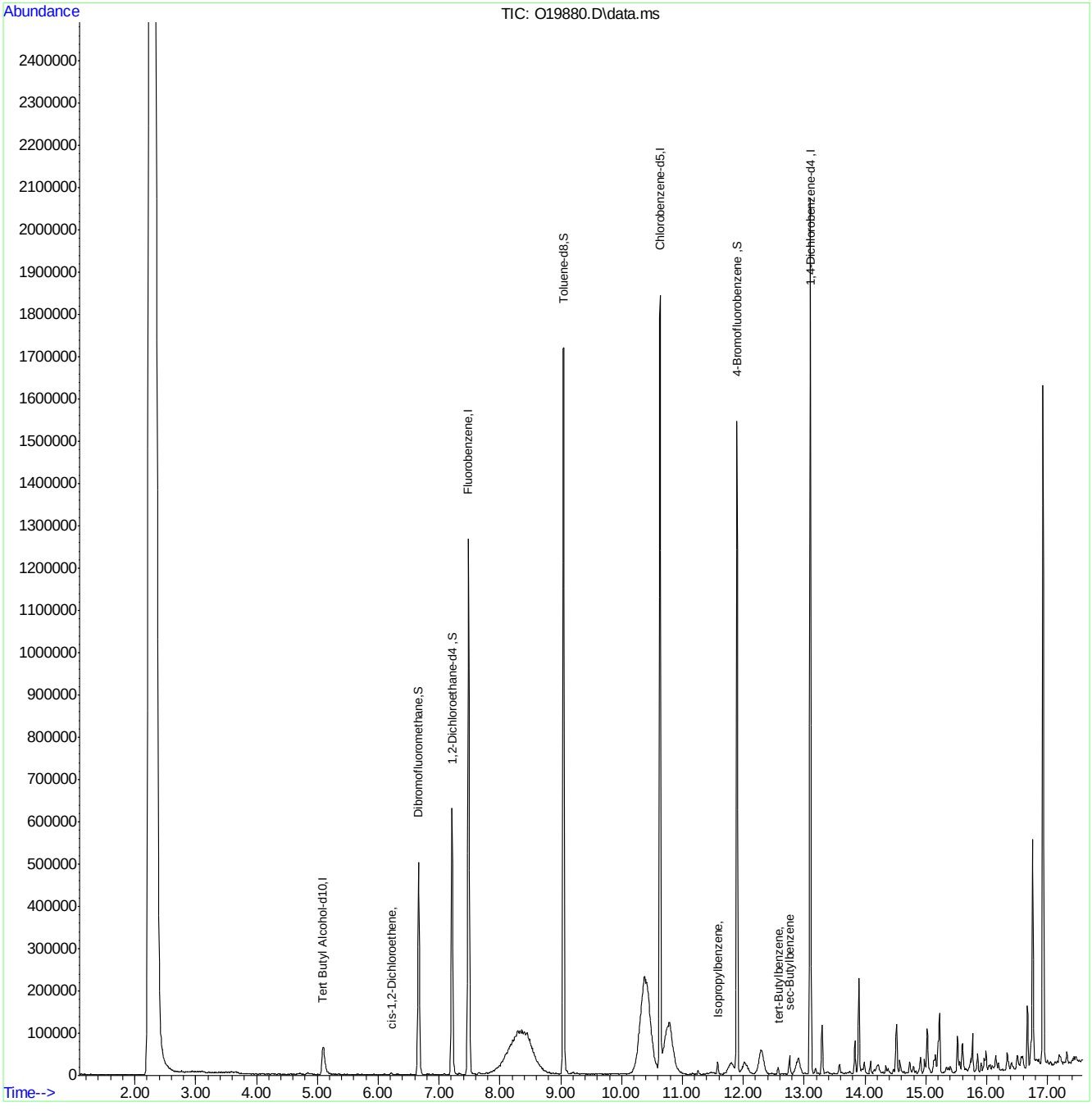
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.482	96	865110	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	713026	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	394586	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.092	65	91493	250.00	ug/L	-0.01
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	283442	51.30	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.60%			
46) 1,2-Dichloroethane-d4	7.214	65	453663	50.74	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.48%			
57) Toluene-d8	9.049	98	866732	48.36	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.72%			
79) 4-Bromofluorobenzene	11.896	95	411408	49.99	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.98%			
Target Compounds						Qvalue
29) cis-1,2-Dichloroethene	6.214	96	1636	0.23	ug/L #	59
77) Isopropylbenzene	11.579	105	14558	0.45	ug/L	91
91) tert-Butylbenzene	12.572	91	4216	0.24	ug/L	91
94) sec-Butylbenzene	12.761	105	18540	0.51	ug/L	71

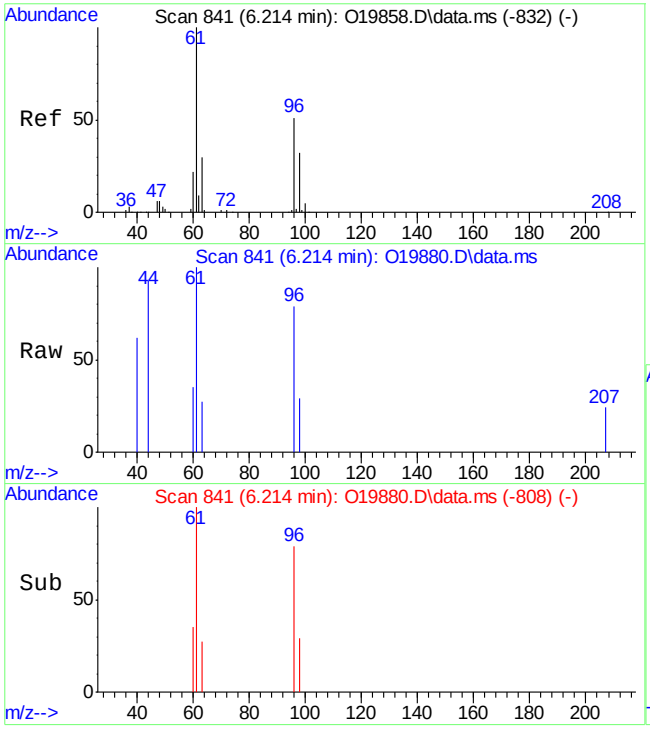
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19880.D
Acq On : 31 Oct 2013 7:41 pm
Operator : melissam
Sample : FA9297-28
Misc : MS25564,VO791,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 01 11:19:09 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

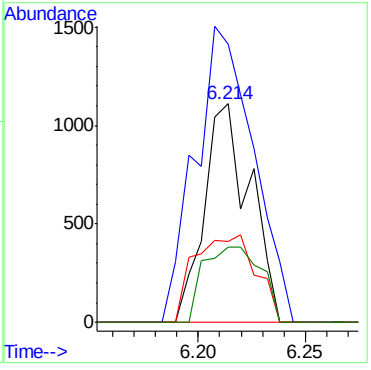


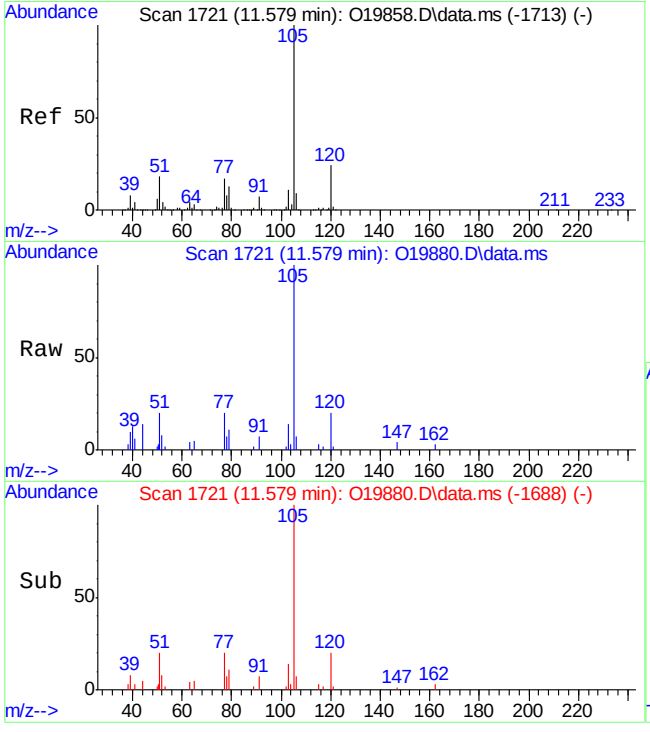


#29
cis-1,2-Dichloroethene
Concen: 0.23 ug/L
RT: 6.214 min Scan# 841
Delta R.T. -0.000 min
Lab File: O19880.D
Acq: 31 Oct 2013 7:41 pm

Tgt Ion: 96 Resp: 1636

Ion	Ratio	Lower	Upper
96	100		
61	127.3	166.6	226.6#
98	37.1	33.5	93.5
63	34.7	28.5	88.5

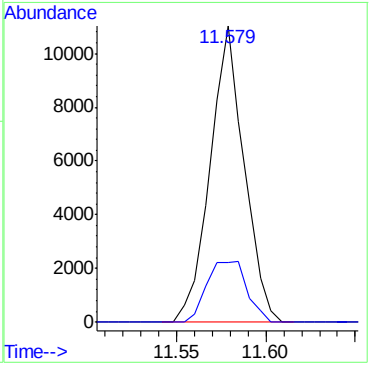


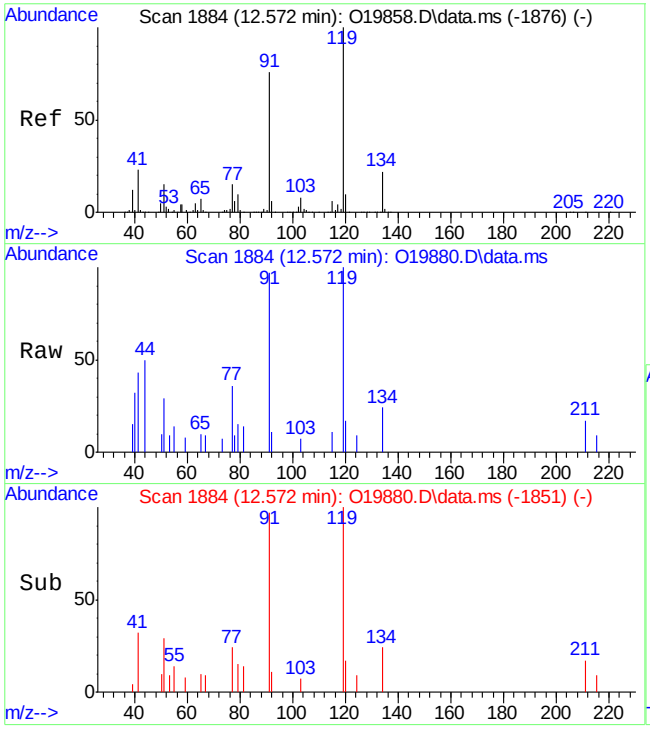


#77
Isopropylbenzene
Concen: 0.45 ug/L
RT: 11.579 min Scan# 1721
Delta R.T. -0.000 min
Lab File: O19880.D
Acq: 31 Oct 2013 7:41 pm

Tgt Ion:105 Resp: 14558

Ion	Ratio	Lower	Upper
105	100		
120	20.1	0.0	54.5

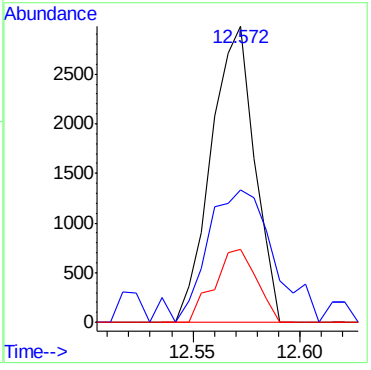


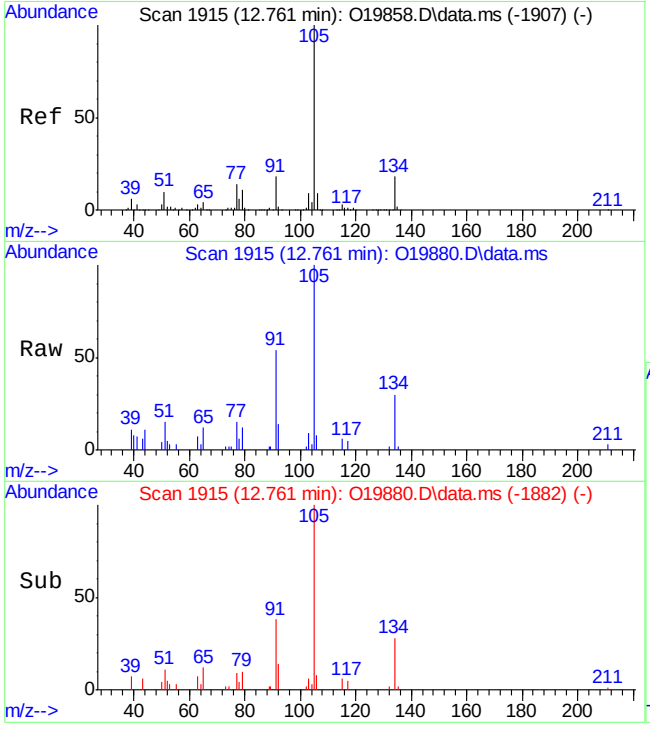


#91
tert-Butylbenzene
Concen: 0.24 ug/L
RT: 12.572 min Scan# 1884
Delta R.T. -0.000 min
Lab File: O19880.D
Acq: 31 Oct 2013 7:41 pm

Tgt Ion: 91 Resp: 4216

Ion	Ratio	Lower	Upper
91	100		
41	36.4	0.5	60.5
134	24.8	0.0	59.2

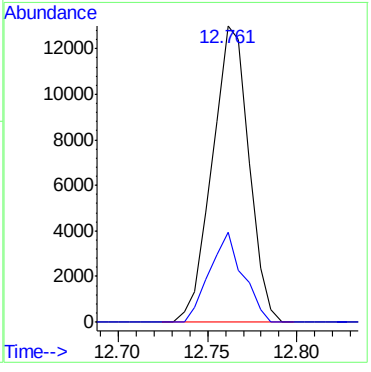




#94
sec-Butylbenzene
Concen: 0.51 ug/L
RT: 12.761 min Scan# 1915
Delta R.T. -0.000 min
Lab File: O19880.D
Acq: 31 Oct 2013 7:41 pm

Tgt Ion:105 Resp: 18540

Ion	Ratio	Lower	Upper
105	100		
134	30.4	0.0	47.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19881.D
Acq On : 31 Oct 2013 8:02 pm
Operator : melissam
Sample : FA9297-29
Misc : MS25564,VO791,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 01 11:21:51 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

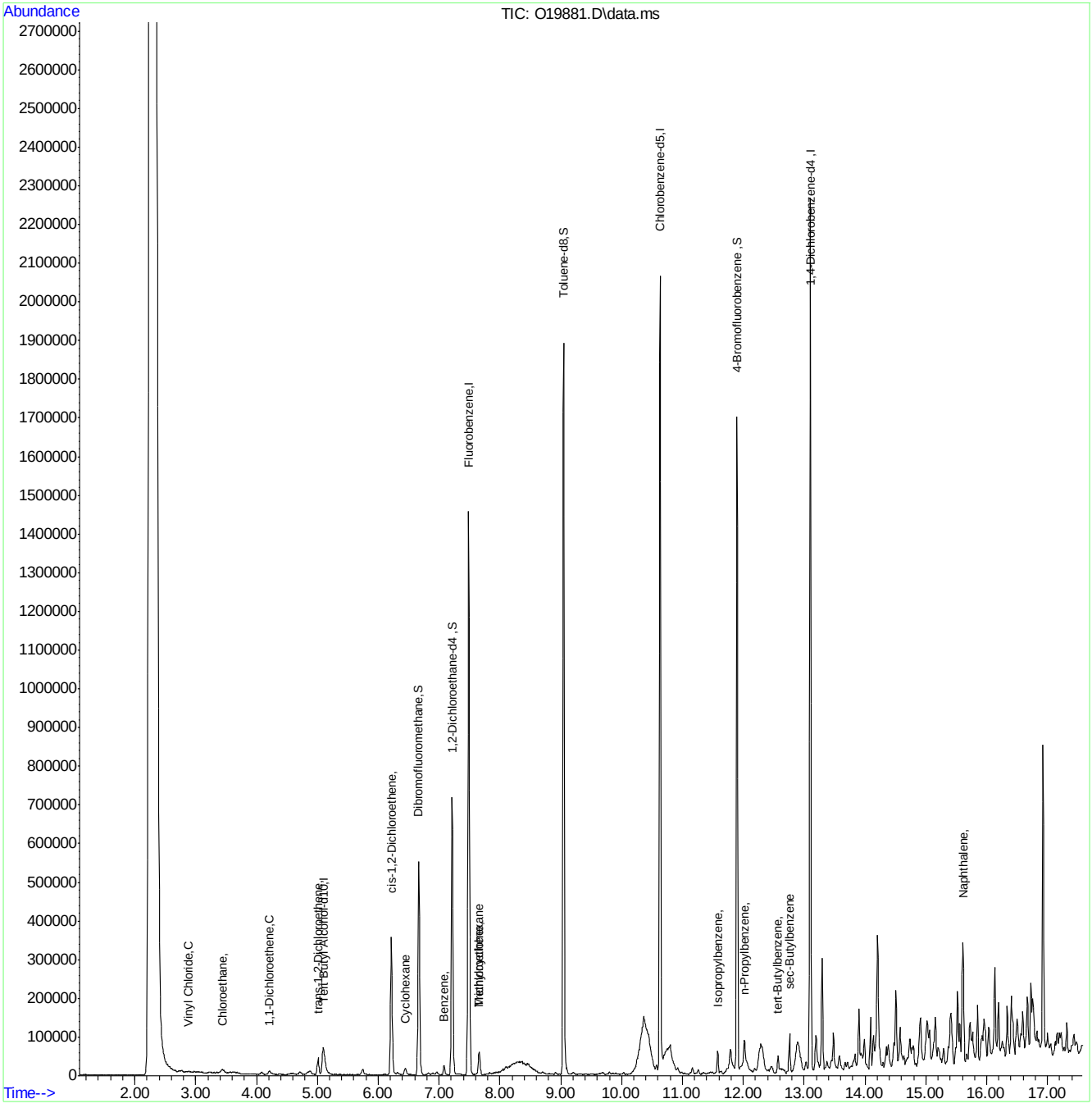
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	993629	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	785340	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	445260	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	105225	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	318881	50.45	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.90%			
46) 1,2-Dichloroethane-d4	7.214	65	502140	48.90	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.80%			
57) Toluene-d8	9.049	98	942868	47.91	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.82%			
79) 4-Bromofluorobenzene	11.896	95	451207	48.97	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.94%			
Target Compounds						Qvalue
5) Vinyl Chloride	2.879	62	2467	0.25	ug/L	73
7) Chloroethane	3.446	64	2270	0.44	ug/L #	70
11) 1,1-Dichloroethene	4.214	61	6993	0.42	ug/L	91
19) trans-1,2-Dichloroethene	5.013	61	30479	1.89	ug/L	93
29) cis-1,2-Dichloroethene	6.214	96	123538	15.13	ug/L	99
32) Cyclohexane	6.452	56	10048	0.50	ug/L	92
44) Benzene	7.086	78	14220	0.53	ug/L	95
48) Trichloroethene	7.659	95	5435	0.67	ug/L	96
49) Methylcyclohexane	7.659	83	11486	0.78	ug/L	87
77) Isopropylbenzene	11.579	105	29038	0.82	ug/L	89
81) n-Propylbenzene	12.018	91	30006	0.70	ug/L	94
91) tert-Butylbenzene	12.566	91	9798	0.49	ug/L	91
94) sec-Butylbenzene	12.761	105	35754	0.87	ug/L	77
104) Naphthalene	15.614	128	161539	5.56	ug/L	99

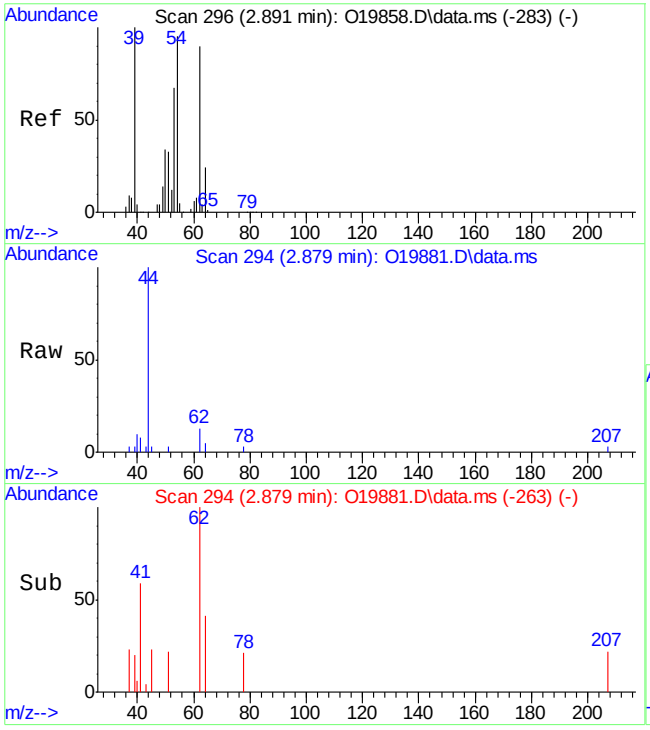
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19881.D
Acq On : 31 Oct 2013 8:02 pm
Operator : melissam
Sample : FA9297-29
Misc : MS25564,VO791,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 01 11:21:51 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

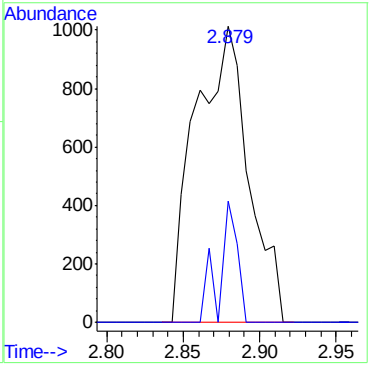


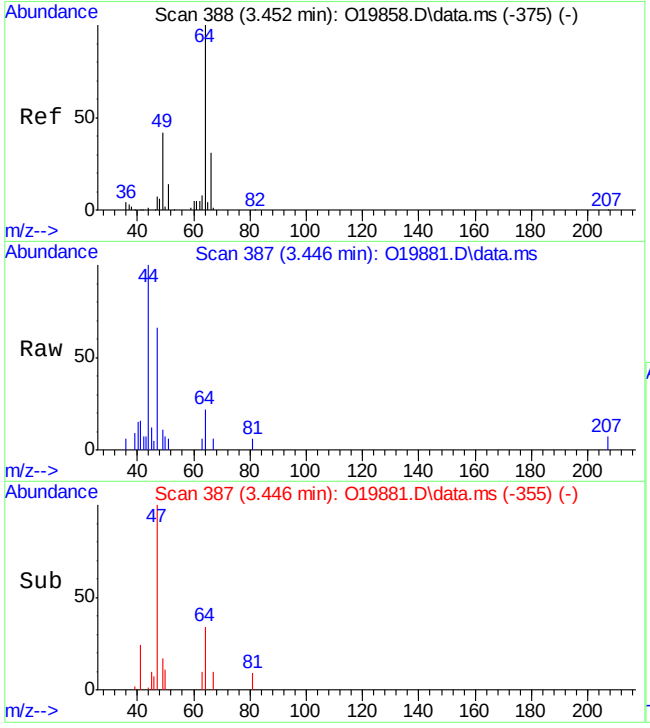


#5
Vinyl Chloride
Concen: 0.25 ug/L
RT: 2.879 min Scan# 294
Delta R.T. -0.012 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion: 62 Resp: 2467

Ion	Ratio	Lower	Upper
62	100		
64	41.0	0.0	56.8

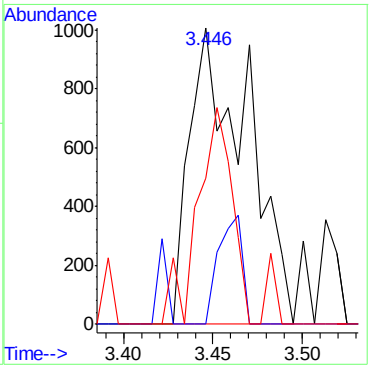


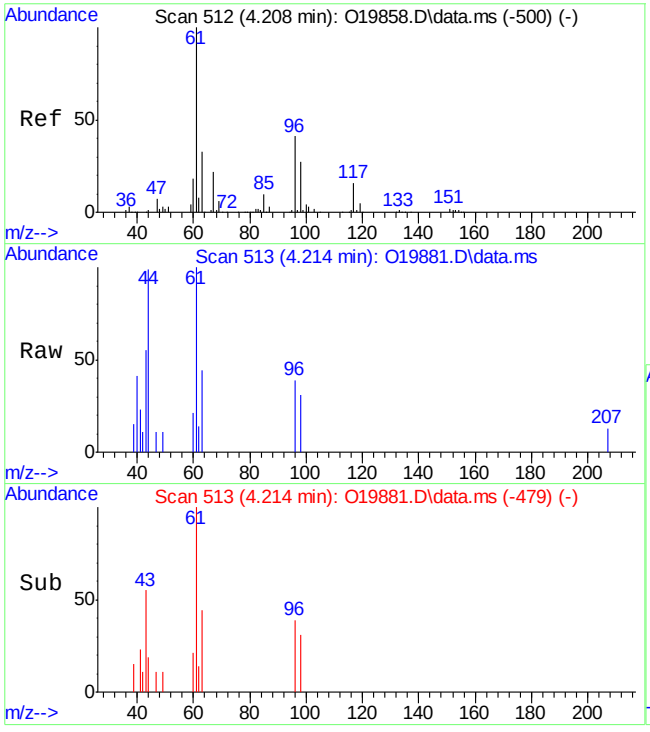


#7
Chloroethane
Concen: 0.44 ug/L
RT: 3.446 min Scan# 387
Delta R.T. -0.006 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion: 64 Resp: 2270

Ion	Ratio	Lower	Upper
64	100		
66	0.0	0.8	60.8#
49	49.3	12.0	72.0

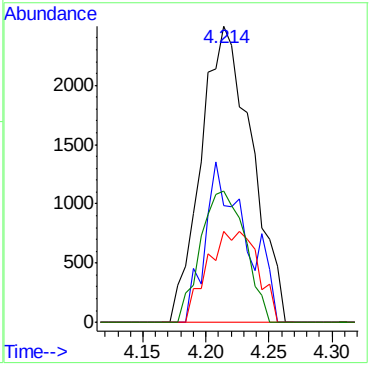


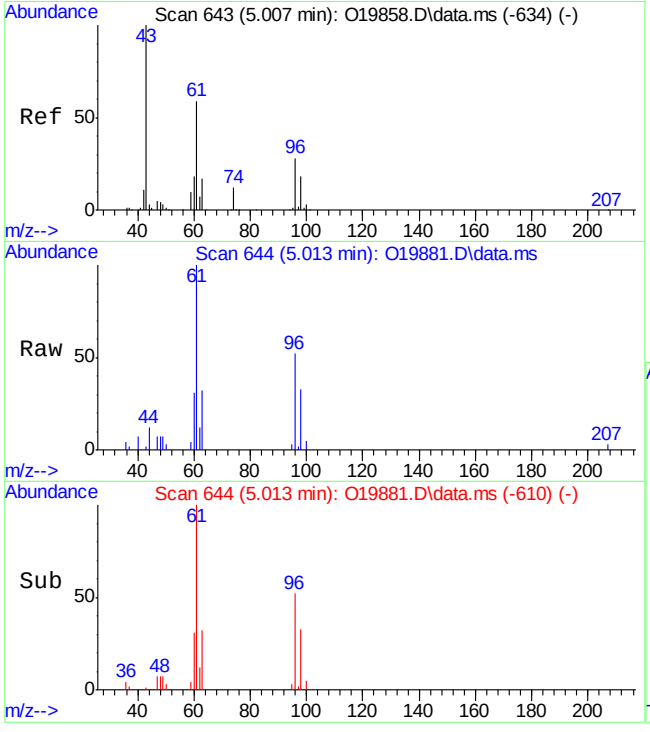


#11
1,1-Dichloroethene
Concen: 0.42 ug/L
RT: 4.214 min Scan# 513
Delta R.T. 0.006 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion: 61 Resp: 6993

Ion	Ratio	Lower	Upper
61	100		
96	39.5	10.9	70.9
98	30.5	0.0	57.1
63	44.3	2.6	62.6

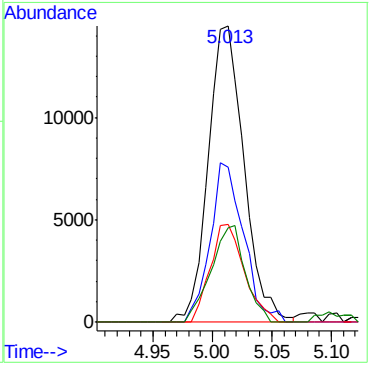


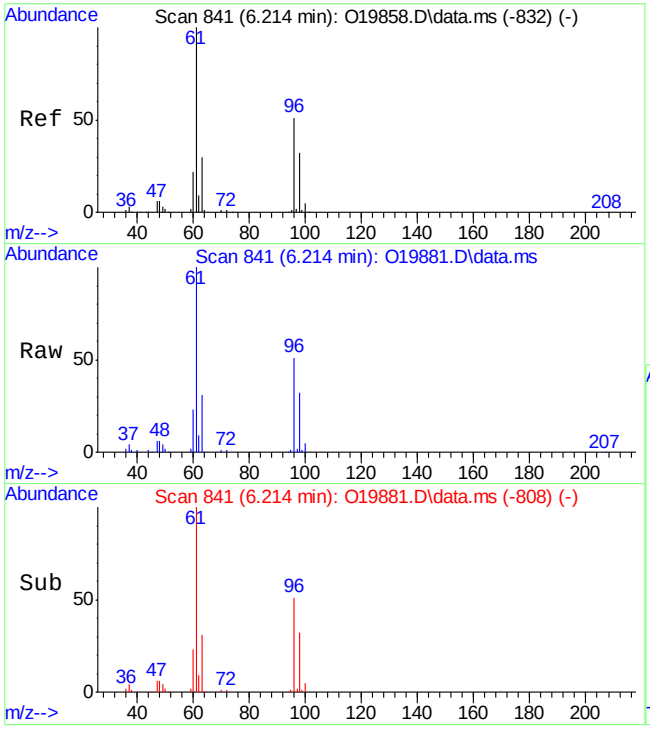


#19
trans-1,2-Dichloroethene
Concen: 1.89 ug/L
RT: 5.013 min Scan# 644
Delta R.T. 0.006 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion: 61 Resp: 30479

Ion	Ratio	Lower	Upper
61	100		
96	52.3	16.6	76.6
98	33.1	0.0	59.8
63	32.0	0.0	59.1

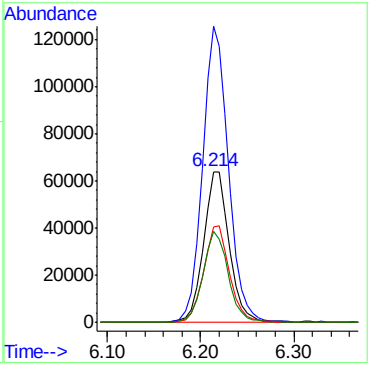


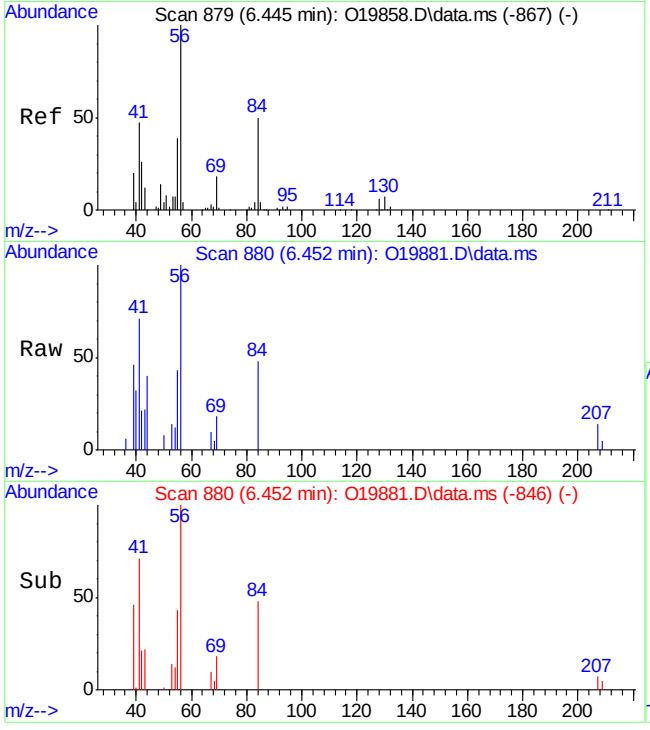


#29
cis-1,2-Dichloroethene
Concen: 15.13 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion: 96 Resp: 123538

Ion	Ratio	Lower	Upper
96	100		
61	196.3	166.6	226.6
98	63.0	33.5	93.5
63	60.3	28.5	88.5

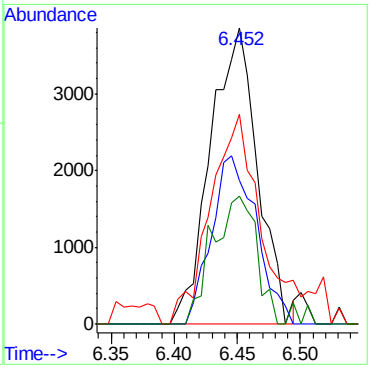


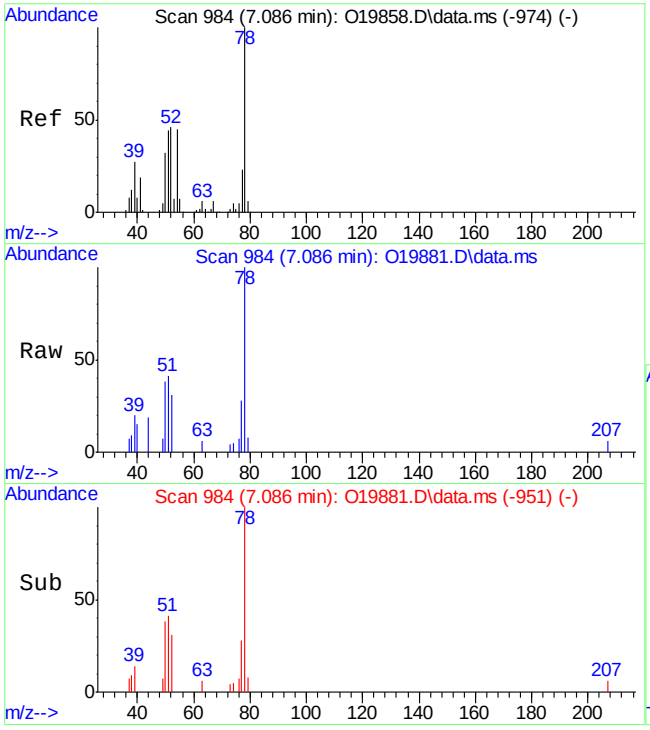


#32
Cyclohexane
Concen: 0.50 ug/L
RT: 6.452 min Scan# 880
Delta R.T. 0.006 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion: 56 Resp: 10048

Ion	Ratio	Lower	Upper
56	100		
84	48.3	30.4	70.4
41	70.8	41.2	81.2
55	43.1	18.9	58.9

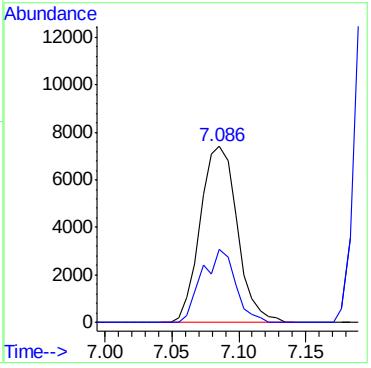


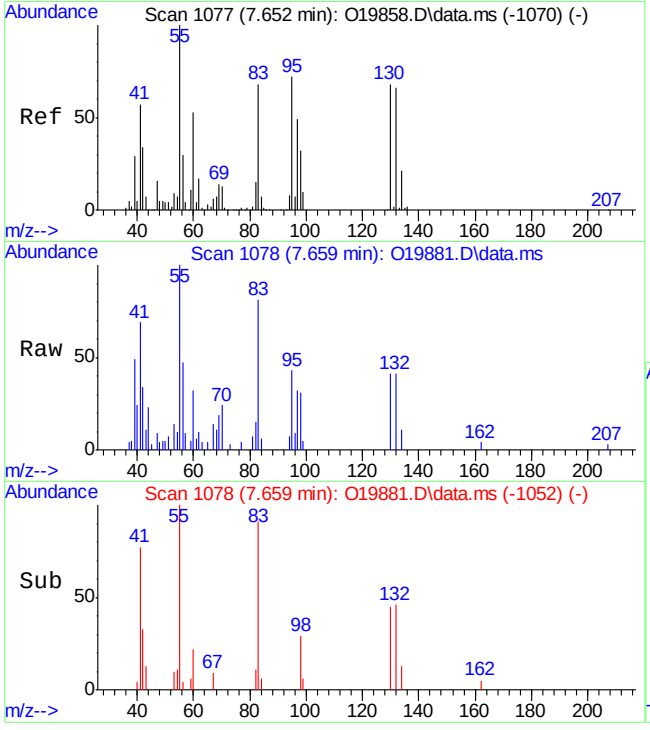


#44
Benzene
Concen: 0.53 ug/L
RT: 7.086 min Scan# 984
Delta R.T. 0.000 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion: 78 Resp: 14220

Ion	Ratio	Lower	Upper
78	100		
51	41.1	14.3	74.3

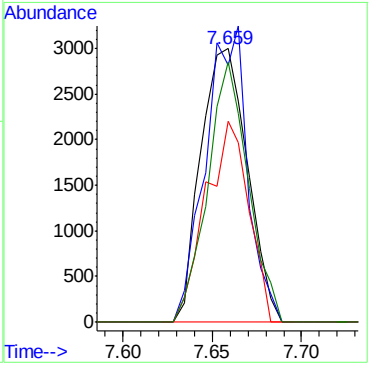


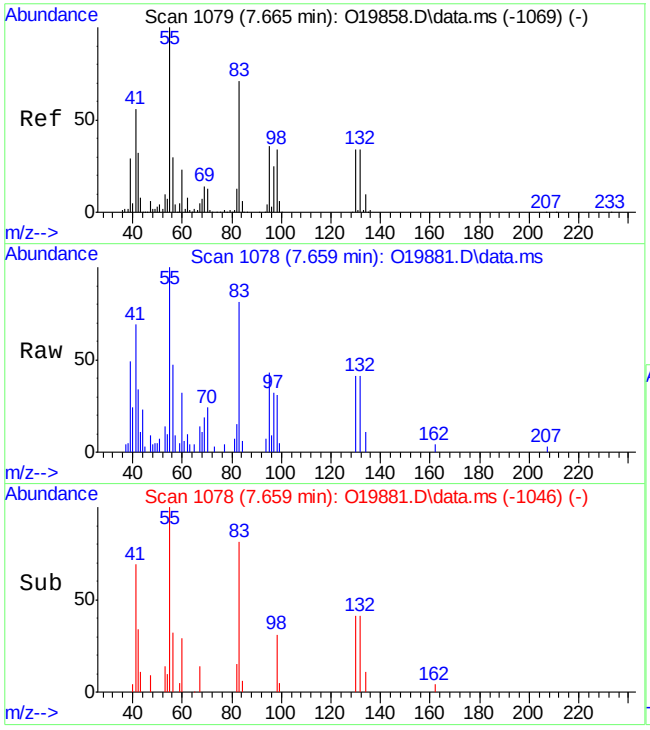


#48
Trichloroethene
Concen: 0.67 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion: 95 Resp: 5435

Ion	Ratio	Lower	Upper
95	100		
130	93.9	63.6	123.6
97	73.5	38.1	98.1
132	95.3	60.7	120.7

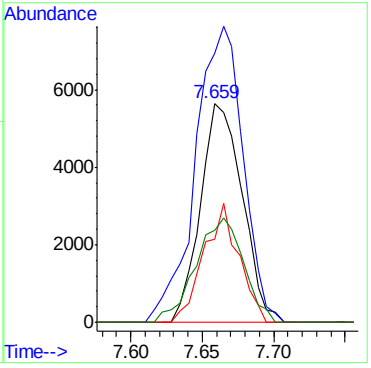


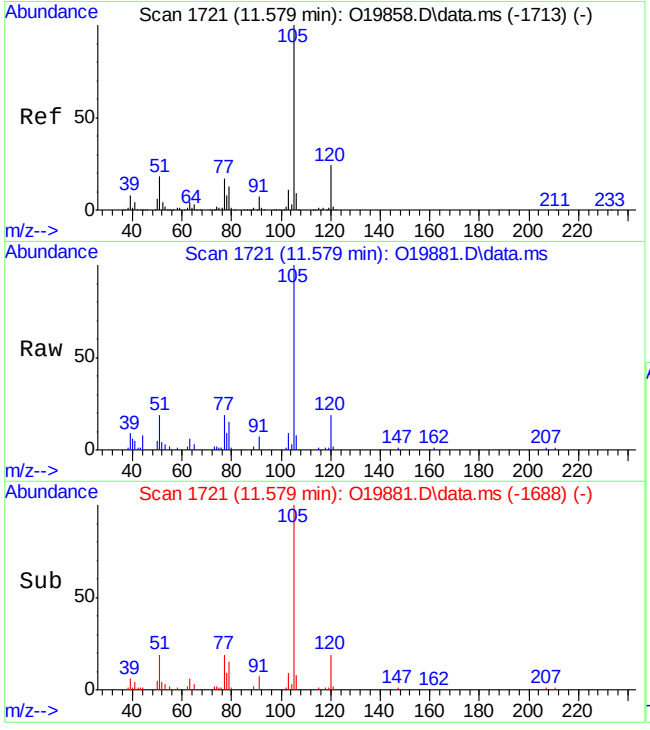


#49
Methylcyclohexane
Concen: 0.78 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. -0.006 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion: 83 Resp: 11486

Ion	Ratio	Lower	Upper
83	100		
55	122.8	120.5	160.5
98	37.9	27.6	67.6
42	41.8	25.2	65.2

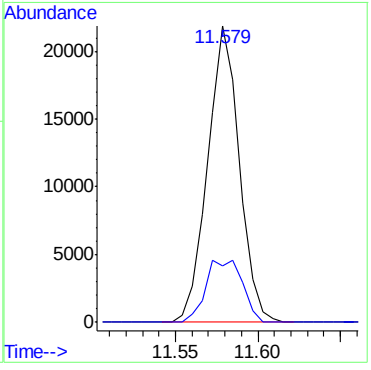


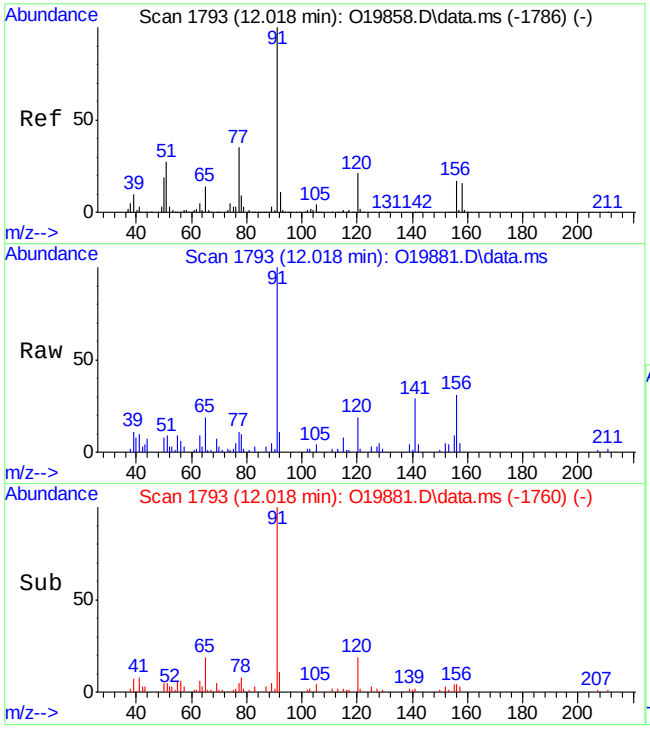


#77
Isopropylbenzene
Concen: 0.82 ug/L
RT: 11.579 min Scan# 1721
Delta R.T. 0.000 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion:105 Resp: 29038

Ion	Ratio	Lower	Upper
105	100		
120	19.0	0.0	54.5

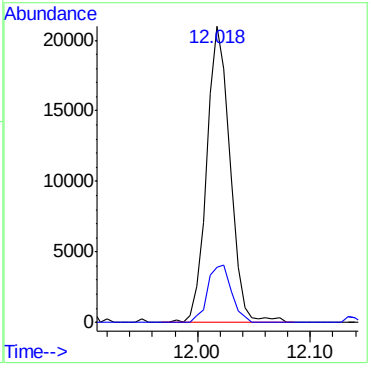


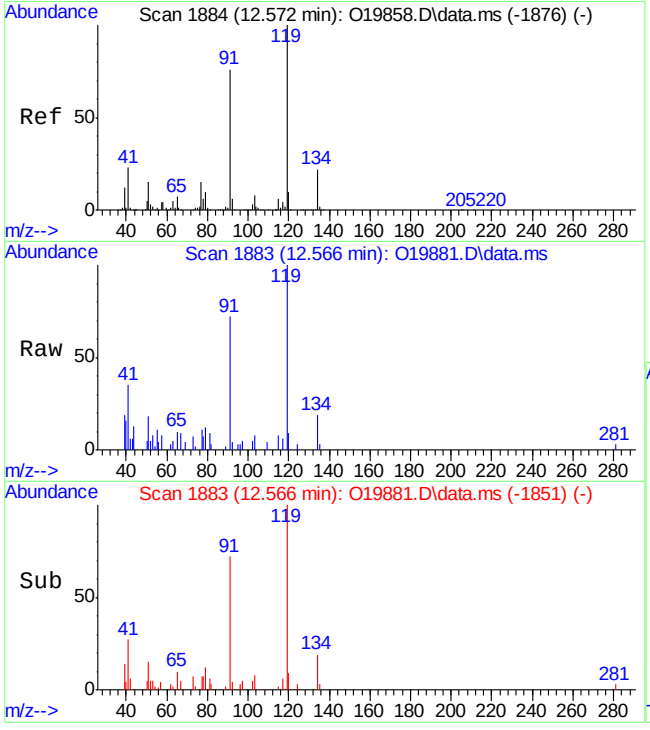


#81
n-Propylbenzene
Concen: 0.70 ug/L
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion: 91 Resp: 30006

Ion	Ratio	Lower	Upper
91	100		
120	18.5	0.0	51.3

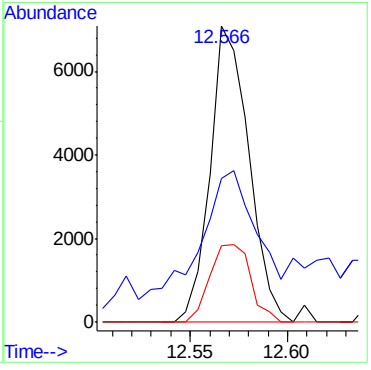


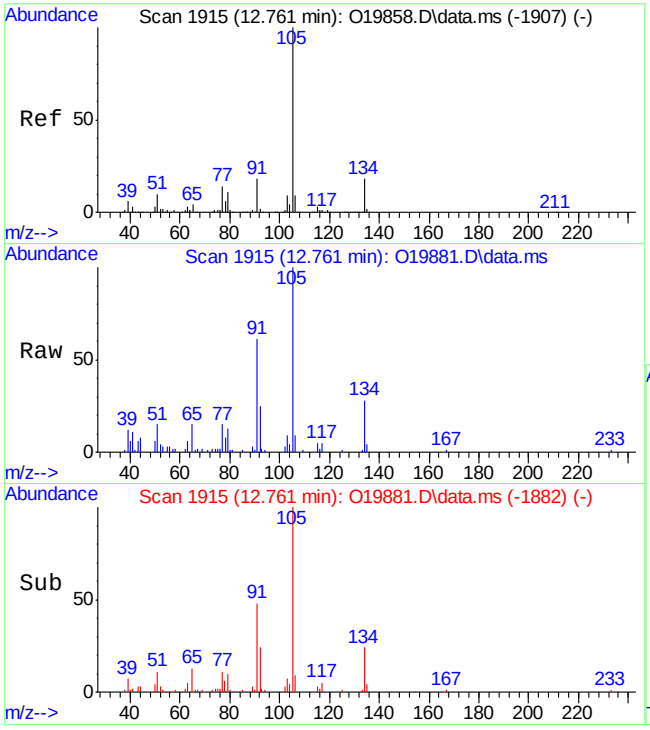


#91
tert-Butylbenzene
Concen: 0.49 ug/L
RT: 12.566 min Scan# 1883
Delta R.T. -0.006 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion: 91 Resp: 9798

Ion	Ratio	Lower	Upper
91	100		
41	37.0	0.5	60.5
134	26.0	0.0	59.2

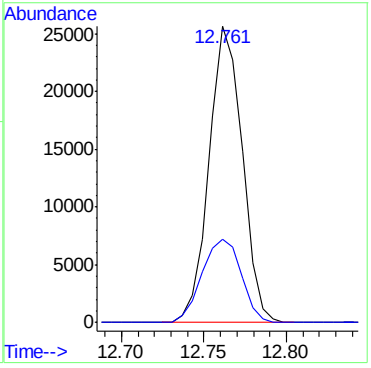


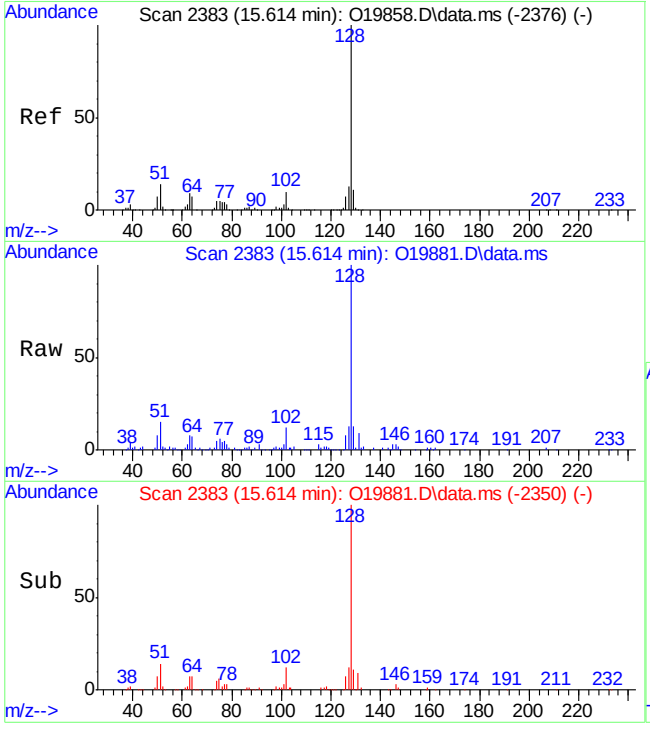


#94
sec-Butylbenzene
Concen: 0.87 ug/L
RT: 12.761 min Scan# 1915
Delta R.T. 0.000 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion:105 Resp: 35754

Ion	Ratio	Lower	Upper
105	100		
134	28.0	0.0	47.7

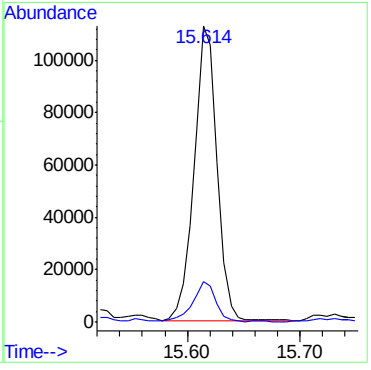




#104
Naphthalene
Concen: 5.56 ug/L
RT: 15.614 min Scan# 2383
Delta R.T. 0.000 min
Lab File: O19881.D
Acq: 31 Oct 2013 8:02 pm

Tgt Ion:128 Resp: 161539

Ion	Ratio	Lower	Upper
128	100		
127	13.3	0.0	42.8



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19882.D
Acq On : 31 Oct 2013 8:23 pm
Operator : melissam
Sample : FA9297-30
Misc : MS25564,VO791,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 01 11:24:04 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

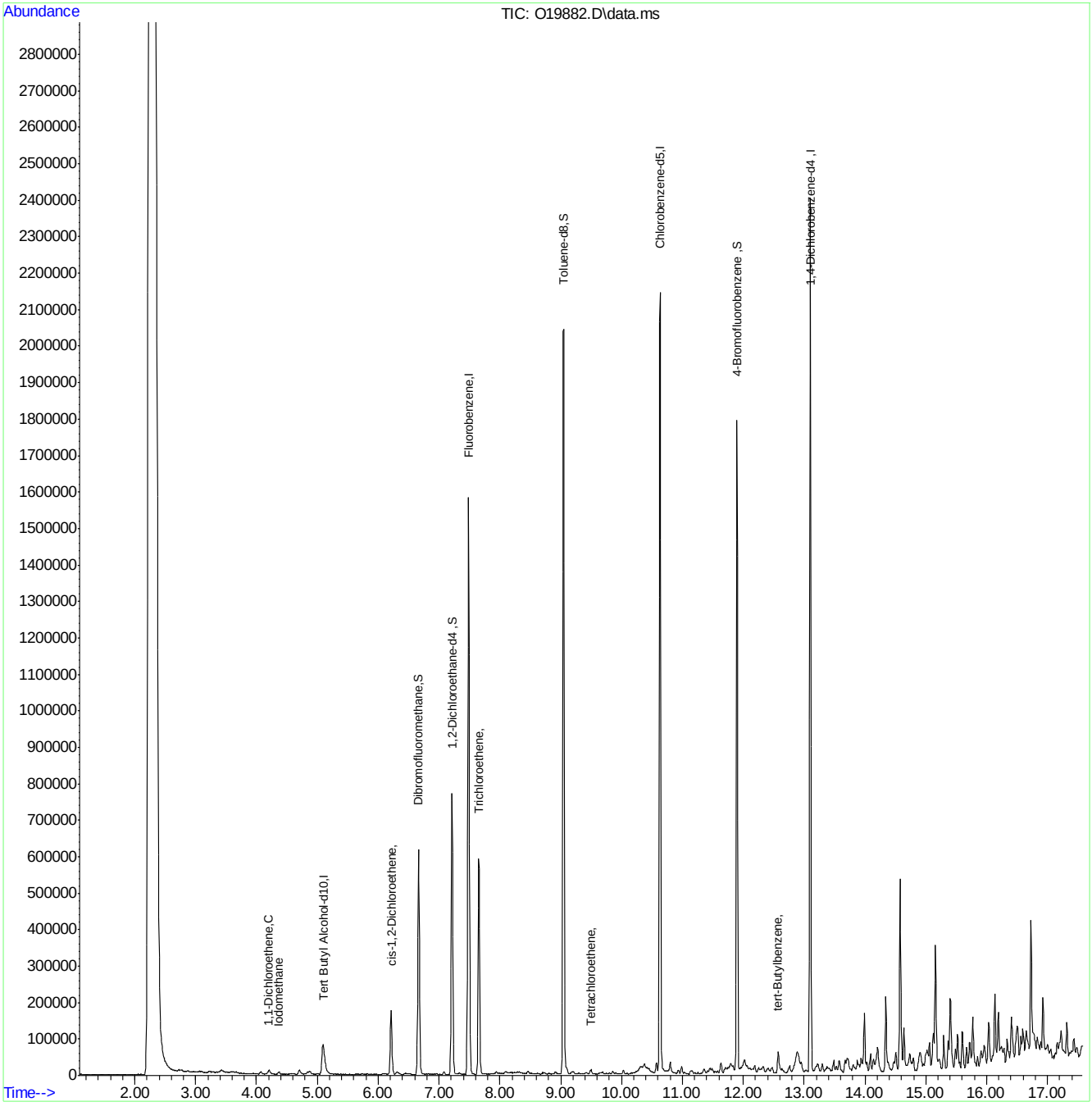
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1114783	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	854345	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	465726	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	126377	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	351387	49.73	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.46%			
46) 1,2-Dichloroethane-d4	7.214	65	542873	47.12	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 94.24%			
57) Toluene-d8	9.049	98	1042869	48.51	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.02%			
79) 4-Bromofluorobenzene	11.896	95	486292	50.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.08%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.202	61	7685	0.42	ug/L	96
14) Iodomethane	4.367	142	7934	0.51	ug/L	98
29) cis-1,2-Dichloroethene	6.214	96	60997	6.66	ug/L	99
48) Trichloroethene	7.653	95	164737	18.06	ug/L	97
62) Tetrachloroethene	9.494	166	2158	0.23	ug/L	87
91) tert-Butylbenzene	12.566	91	9501	0.45	ug/L	70

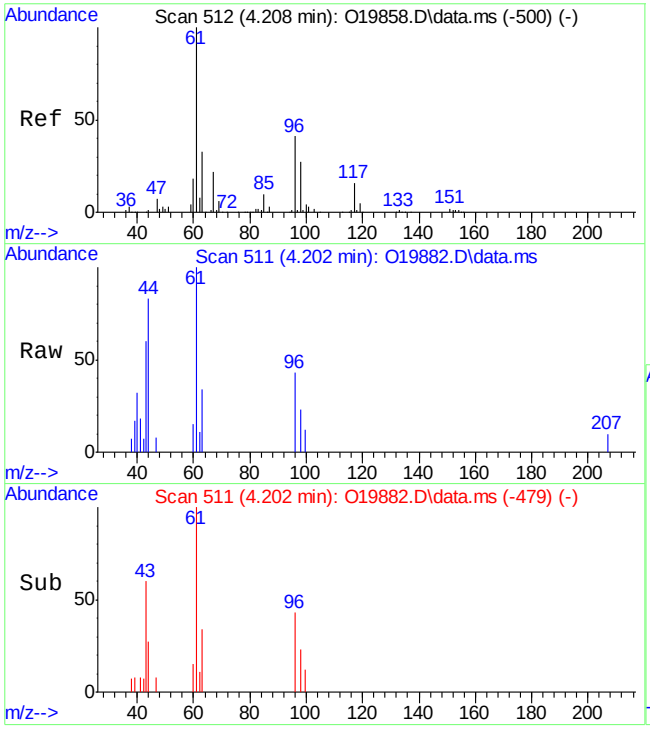
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19882.D
Acq On : 31 Oct 2013 8:23 pm
Operator : melissam
Sample : FA9297-30
Misc : MS25564,VO791,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 01 11:24:04 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

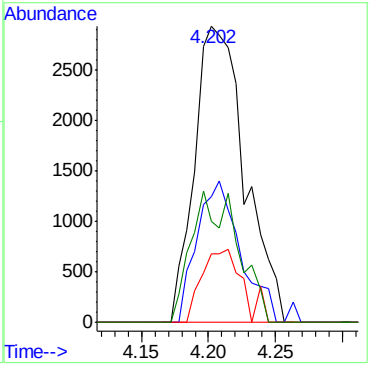


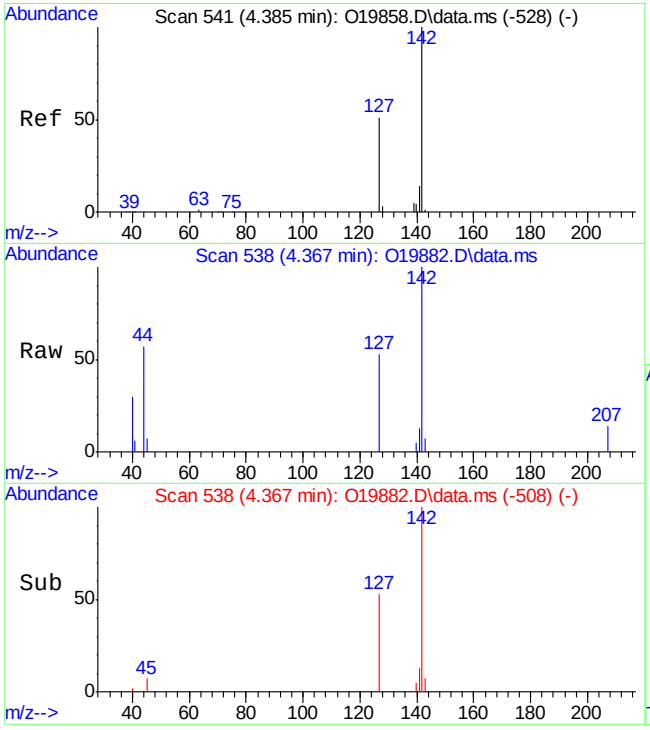


#11
1,1-Dichloroethene
Concen: 0.42 ug/L
RT: 4.202 min Scan# 511
Delta R.T. -0.006 min
Lab File: O19882.D
Acq: 31 Oct 2013 8:23 pm

Tgt Ion: 61 Resp: 7685

Ion	Ratio	Lower	Upper
61	100		
96	42.5	10.9	70.9
98	23.2	0.0	57.1
63	34.1	2.6	62.6

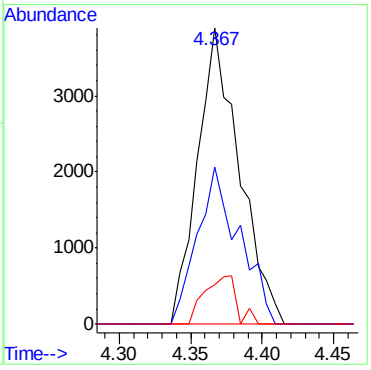


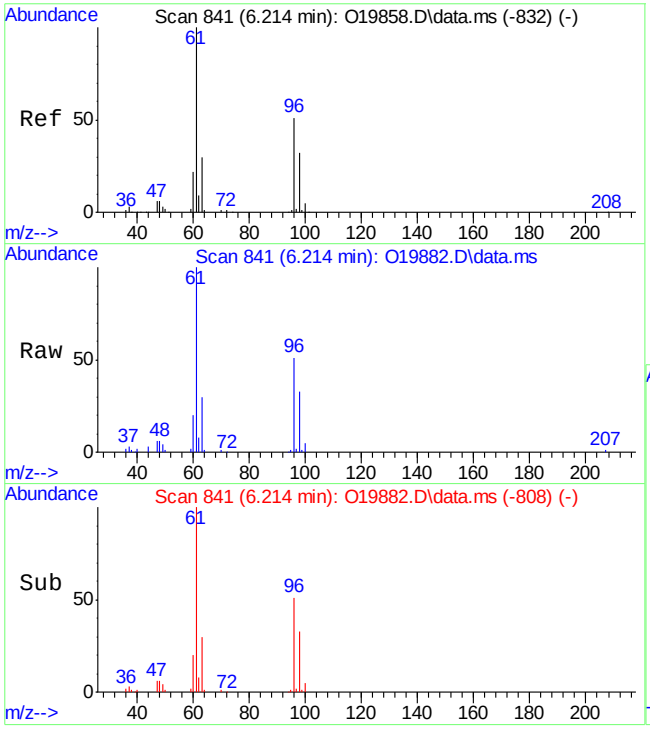


#14
Iodomethane
Concen: 0.51 ug/L
RT: 4.367 min Scan# 538
Delta R.T. -0.018 min
Lab File: O19882.D
Acq: 31 Oct 2013 8:23 pm

Tgt Ion:142 Resp: 7934

Ion	Ratio	Lower	Upper
142	100		
127	53.1	31.5	71.5
141	13.5	0.0	34.4

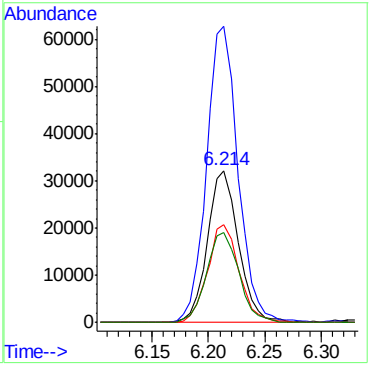


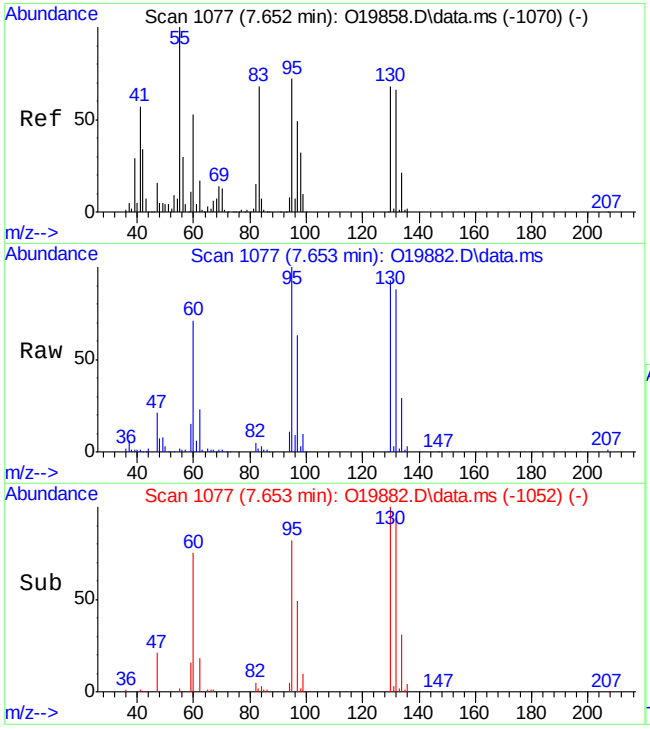


#29
cis-1,2-Dichloroethene
Concen: 6.66 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19882.D
Acq: 31 Oct 2013 8:23 pm

Tgt Ion: 96 Resp: 60997

Ion	Ratio	Lower	Upper
96	100		
61	194.8	166.6	226.6
98	64.4	33.5	93.5
63	59.0	28.5	88.5

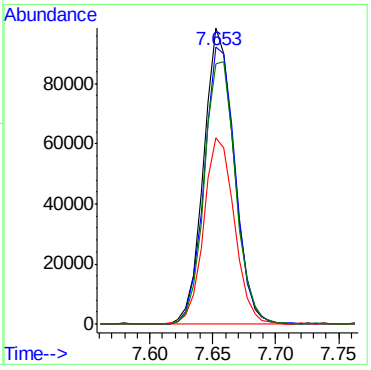


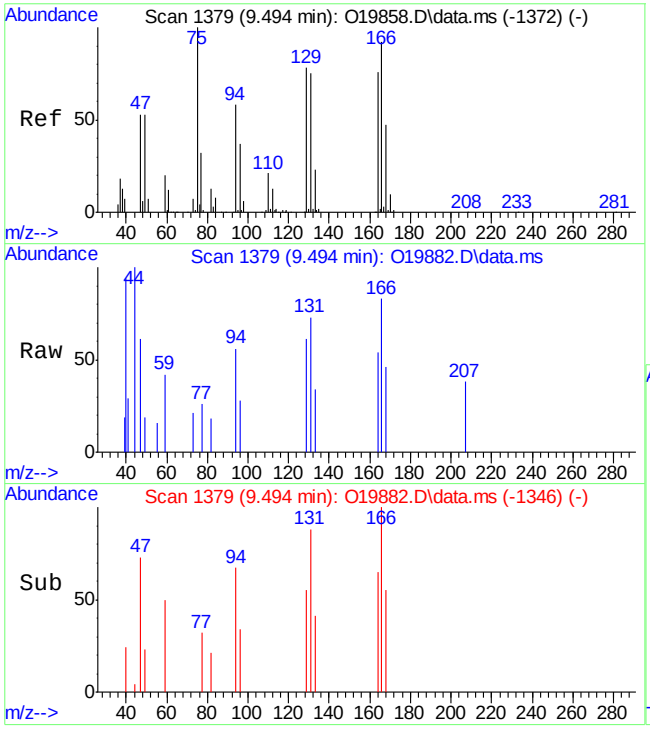


#48
Trichloroethene
Concen: 18.06 ug/L
RT: 7.653 min Scan# 1077
Delta R.T. 0.000 min
Lab File: O19882.D
Acq: 31 Oct 2013 8:23 pm

Tgt Ion: 95 Resp: 164737

Ion	Ratio	Lower	Upper
95	100		
130	93.4	63.6	123.6
97	62.8	38.1	98.1
132	87.7	60.7	120.7

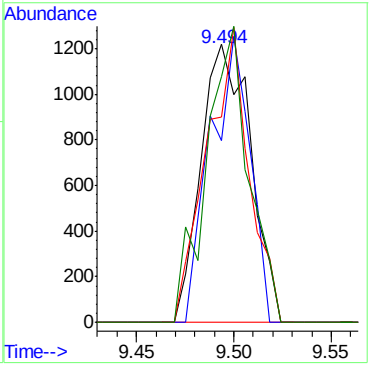


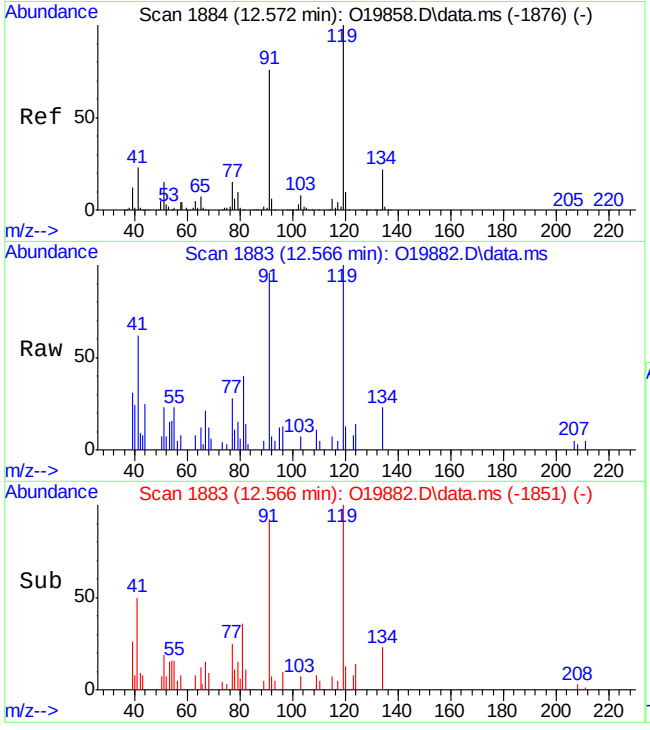


#62
Tetrachloroethene
Concen: 0.23 ug/L
RT: 9.494 min Scan# 1379
Delta R.T. 0.000 min
Lab File: O19882.D
Acq: 31 Oct 2013 8:23 pm

Tgt Ion:166 Resp: 2158

Ion	Ratio	Lower	Upper
166	100		
164	65.4	52.5	112.5
129	73.7	54.4	114.4
131	88.3	51.5	111.5

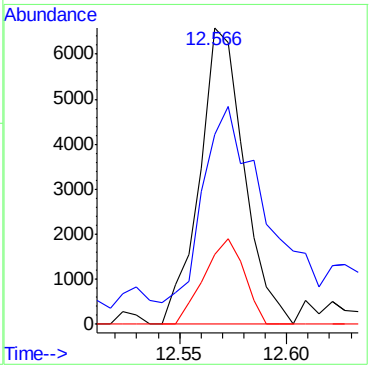




#91
tert-Butylbenzene
Concen: 0.45 ug/L
RT: 12.566 min Scan# 1883
Delta R.T. -0.006 min
Lab File: O19882.D
Acq: 31 Oct 2013 8:23 pm

Tgt Ion: 91 Resp: 9501

Ion	Ratio	Lower	Upper
91	100		
41	56.9	0.5	60.5
134	23.5	0.0	59.2



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19883.D
Acq On : 31 Oct 2013 8:44 pm
Operator : melissam
Sample : FA9297-31
Misc : MS25564,VO791,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 01 11:24:52 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

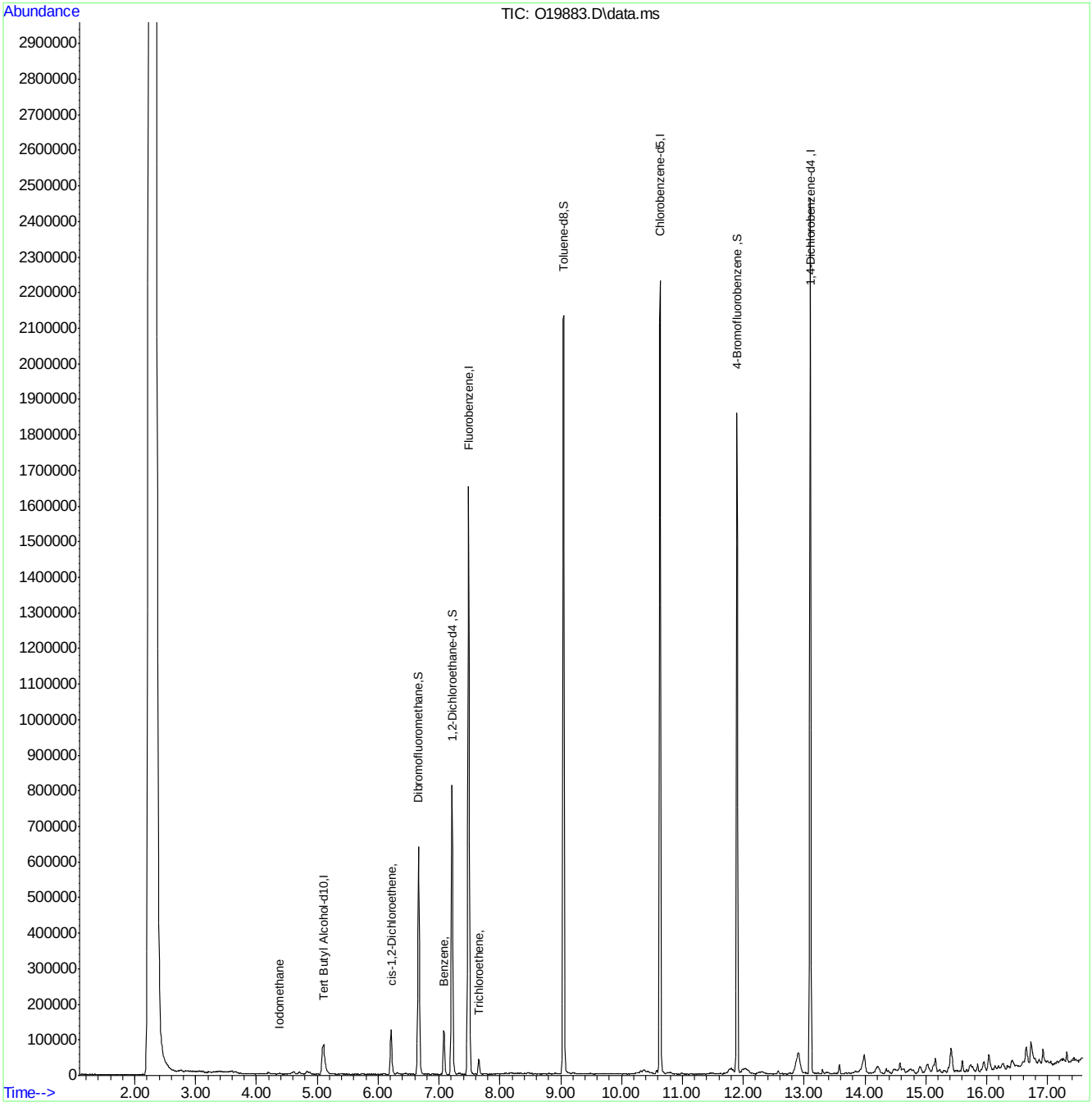
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1171857	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	894010	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	485812	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	128481	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	367264	49.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.00%			
46) 1,2-Dichloroethane-d4	7.214	65	561081	46.33	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 92.66%			
57) Toluene-d8	9.049	98	1097737	48.73	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 97.46%			
79) 4-Bromofluorobenzene	11.896	95	498171	49.39	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.78%			
Target Compounds						Qvalue
14) Iodomethane	4.379	142	4118	0.25	ug/L	99
29) cis-1,2-Dichloroethene	6.214	96	44569	4.63	ug/L	86
44) Benzene	7.080	78	80687	2.54	ug/L	88
48) Trichloroethene	7.653	95	11813	1.23	ug/L	95

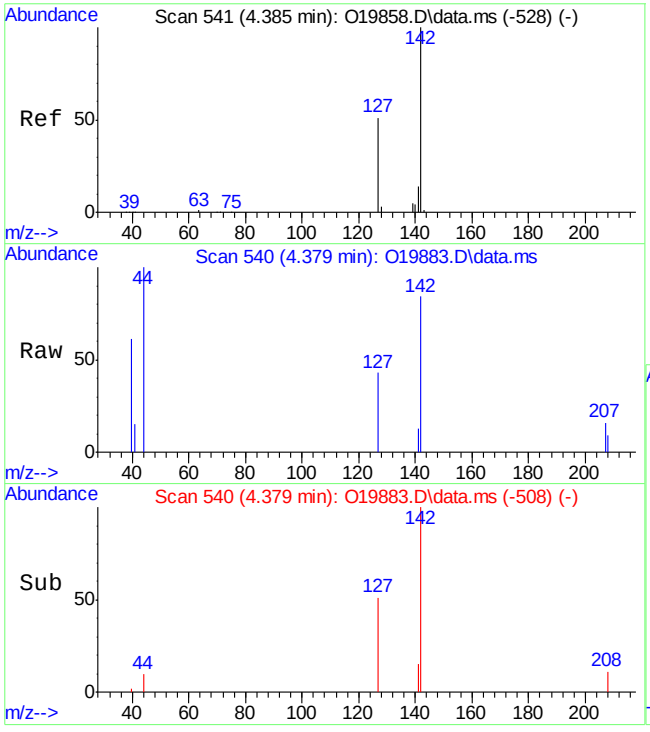
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19883.D
Acq On : 31 Oct 2013 8:44 pm
Operator : melissam
Sample : FA9297-31
Misc : MS25564,VO791,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 01 11:24:52 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

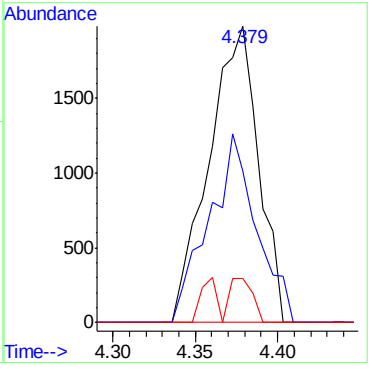


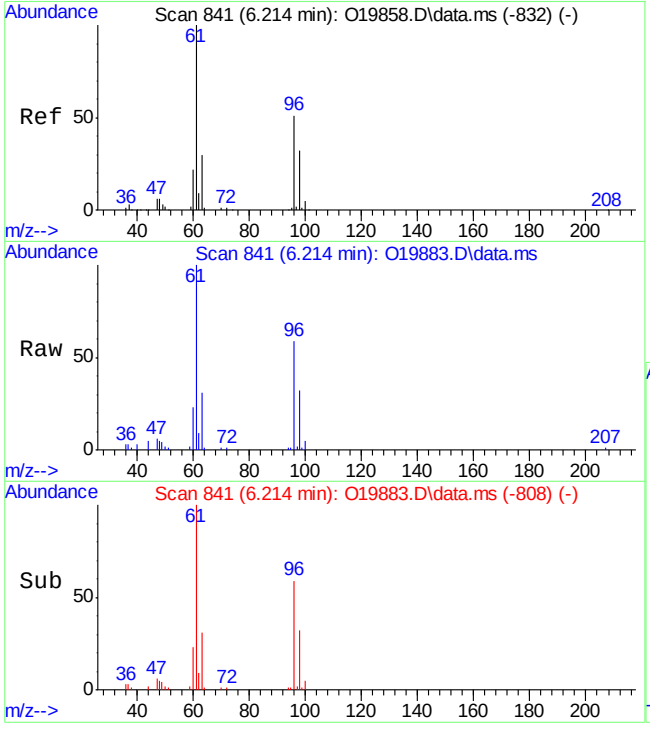


#14
Iodomethane
Concen: 0.25 ug/L
RT: 4.379 min Scan# 540
Delta R.T. -0.006 min
Lab File: O19883.D
Acq: 31 Oct 2013 8:44 pm

Tgt Ion:142 Resp: 4118

Ion	Ratio	Lower	Upper
142	100		
127	51.2	31.5	71.5
141	14.9	0.0	34.4

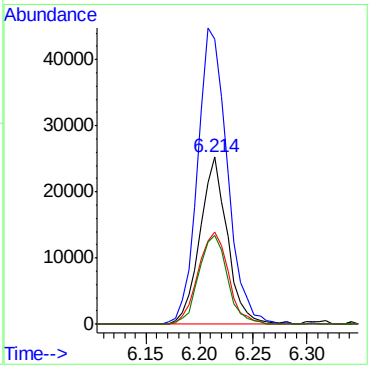


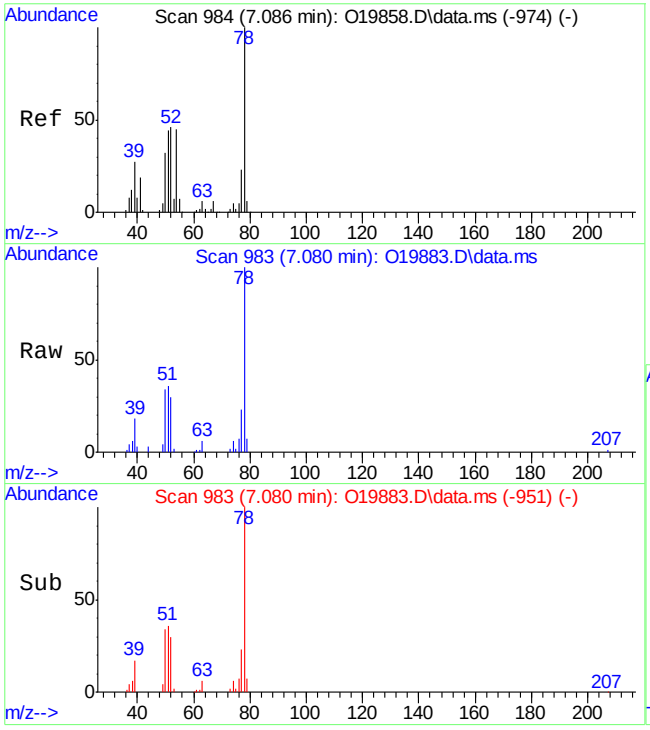


#29
cis-1,2-Dichloroethene
Concen: 4.63 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19883.D
Acq: 31 Oct 2013 8:44 pm

Tgt Ion: 96 Resp: 44569

Ion	Ratio	Lower	Upper
96	100		
61	170.6	166.6	226.6
98	55.1	33.5	93.5
63	52.8	28.5	88.5

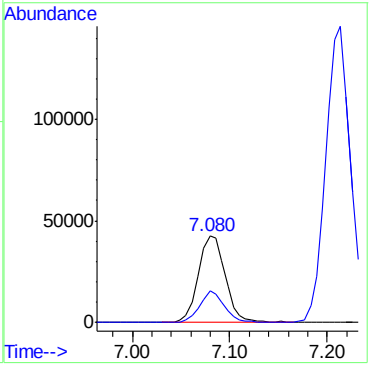


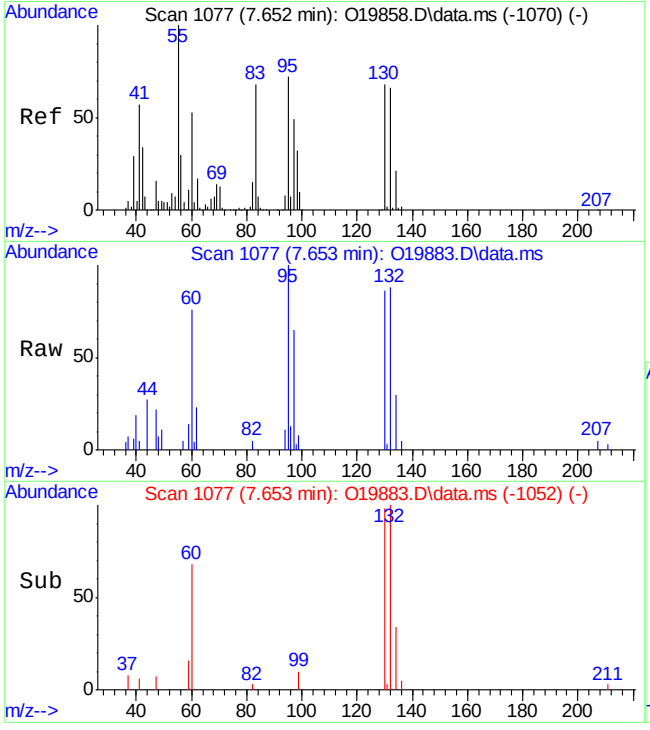


#44
Benzene
Concen: 2.54 ug/L
RT: 7.080 min Scan# 983
Delta R.T. -0.006 min
Lab File: O19883.D
Acq: 31 Oct 2013 8:44 pm

Tgt Ion: 78 Resp: 80687

Ion	Ratio	Lower	Upper
78	100		
51	36.2	14.3	74.3

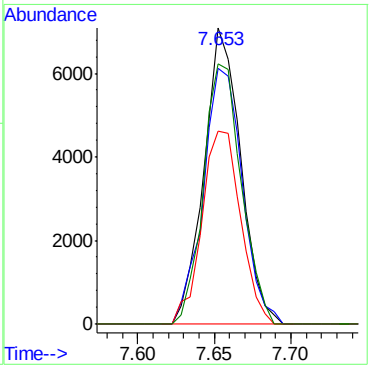




#48
Trichloroethene
Concen: 1.23 ug/L
RT: 7.653 min Scan# 1077
Delta R.T. 0.000 min
Lab File: O19883.D
Acq: 31 Oct 2013 8:44 pm

Tgt Ion: 95 Resp: 11813

Ion	Ratio	Lower	Upper
95	100		
130	86.3	63.6	123.6
97	65.0	38.1	98.1
132	88.1	60.7	120.7



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15269.D
Acq On : 31 Oct 2013 6:21 pm
Operator : WILFREDO
Sample : FA9297-32
Misc : ms25560,vi196,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 01 09:44:29 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

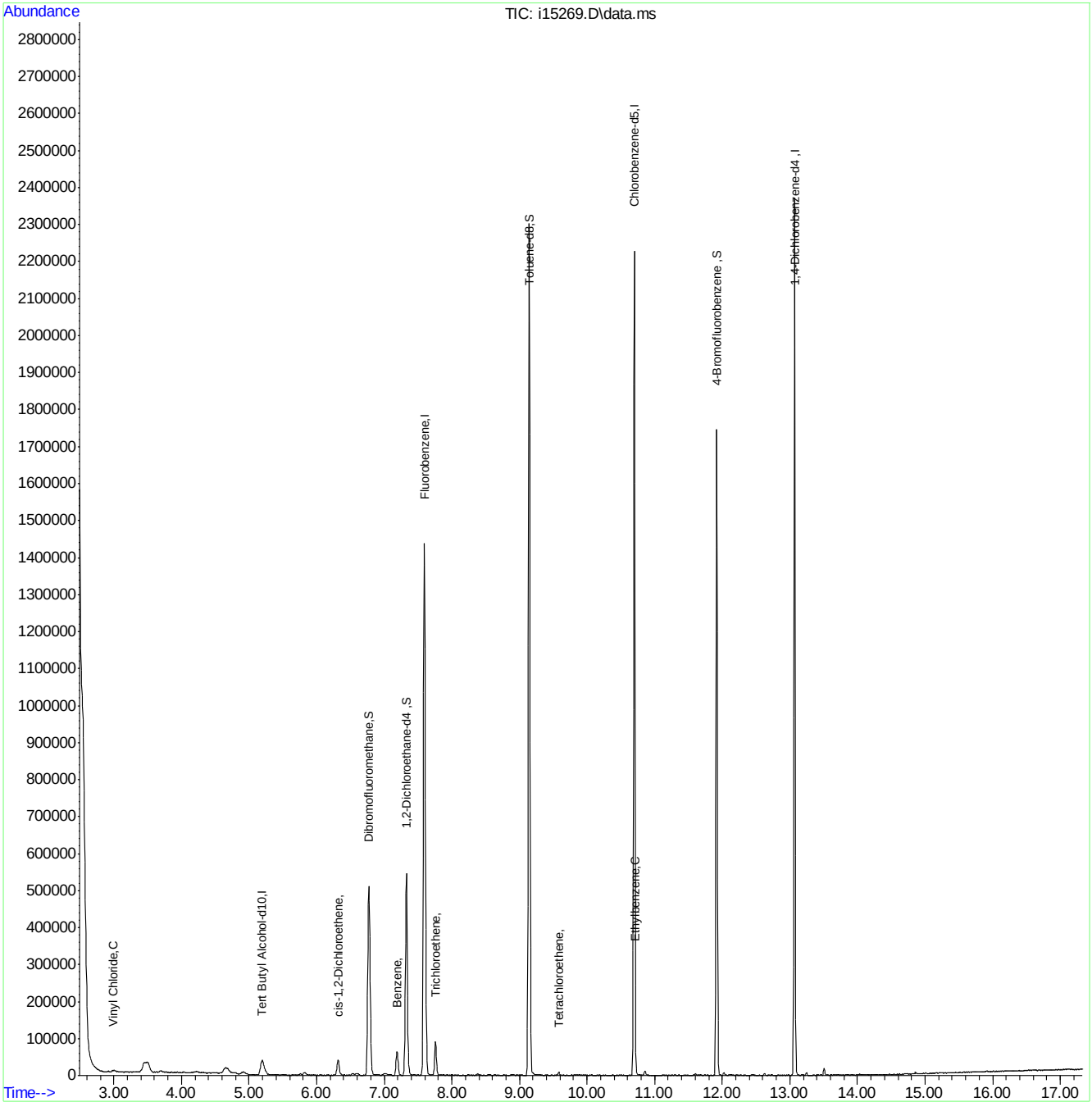
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1258559	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	947460	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	451531	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	78717	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	345219	48.38	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.76%			
44) 1,2-Dichloroethane-d4	7.327	65	404933	49.94	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.88%			
55) Toluene-d8	9.144	98	1262012	50.51	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.02%			
77) 4-Bromofluorobenzene	11.918	174	341383	48.54	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.08%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.993	62	3495	0.30	ug/L	98
28) cis-1,2-Dichloroethene	6.321	96	21623	2.97	ug/L	74
42) Benzene	7.187	78	59664	2.18	ug/L	75
46) Trichloroethene	7.760	95	28551	3.81	ug/L #	72
60) Tetrachloroethene	9.583	166	1731	0.22	ug/L #	81
68) Ethylbenzene	10.717	91	11347	0.32	ug/L	81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

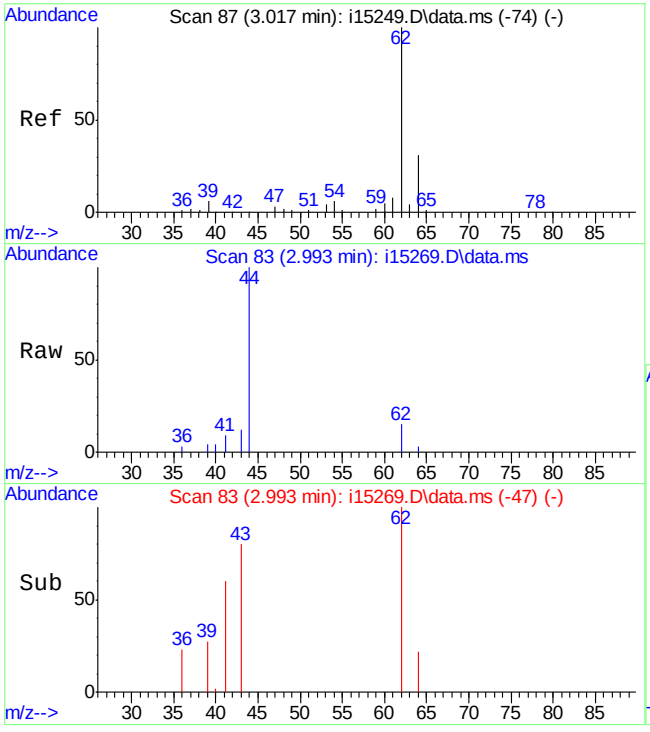
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15269.D
Acq On : 31 Oct 2013 6:21 pm
Operator : WILFREDO
Sample : FA9297-32
Misc : ms25560,vi196,,,,,
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Nov 01 09:44:29 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



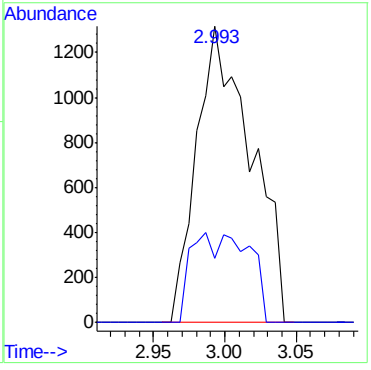
8260iapp.M Fri Nov 01 09:53:46 2013 Page: 2

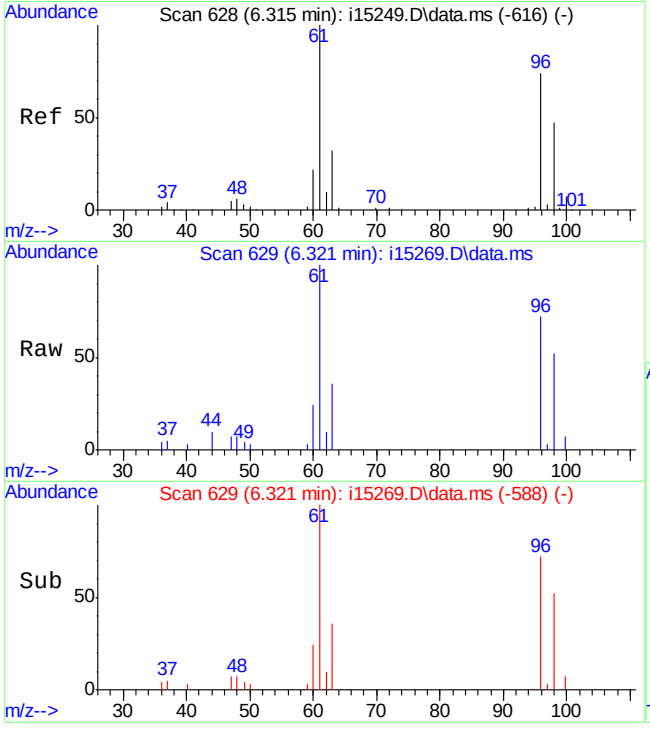


#4
Vinyl Chloride
Concen: 0.30 ug/L
RT: 2.993 min Scan# 83
Delta R.T. -0.030 min
Lab File: i15269.D
Acq: 31 Oct 2013 6:21 pm

Tgt Ion: 62 Resp: 3495

Ion	Ratio	Lower	Upper
62	100		
64	21.6	0.0	52.4

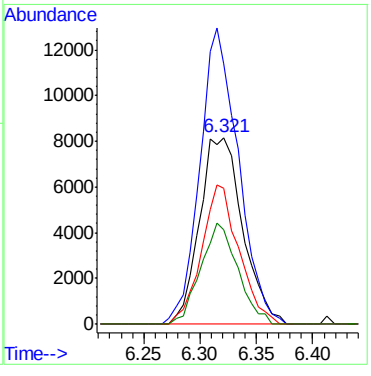


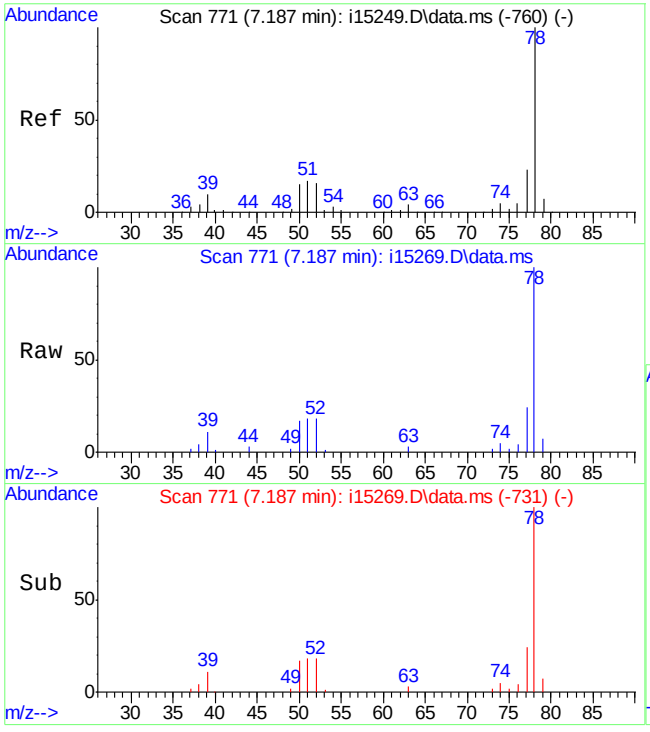


#28
cis-1,2-Dichloroethene
Concen: 2.97 ug/L
RT: 6.321 min Scan# 629
Delta R.T. 0.000 min
Lab File: i15269.D
Acq: 31 Oct 2013 6:21 pm

Tgt Ion: 96 Resp: 21623

Ion	Ratio	Lower	Upper
96	100		
61	139.7	86.5	146.5
98	72.9	17.7	77.7
63	50.4	4.7	64.7

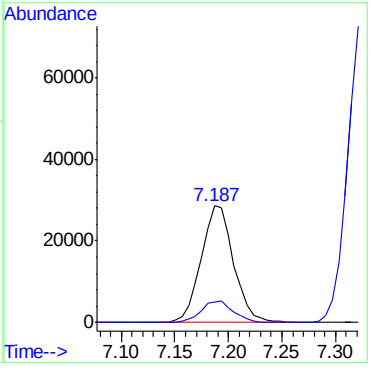


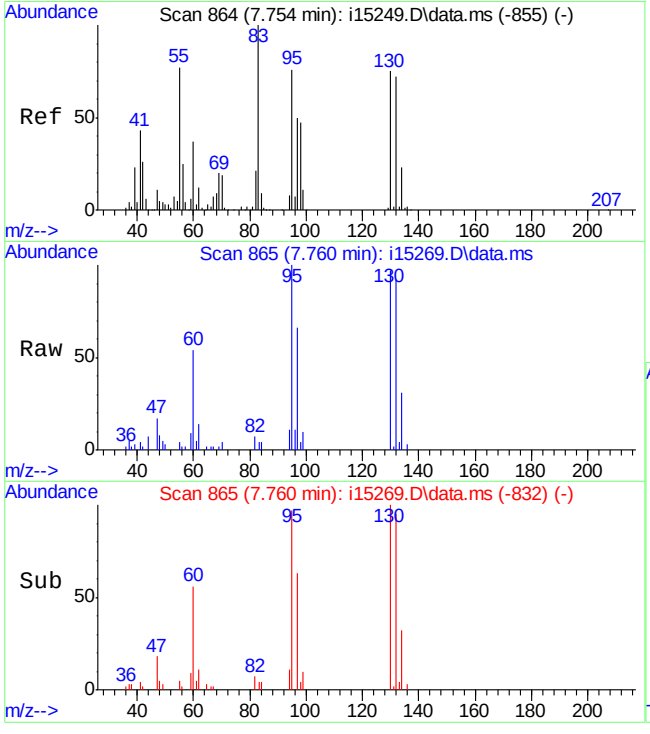


#42
Benzene
Concen: 2.18 ug/L
RT: 7.187 min Scan# 771
Delta R.T. -0.006 min
Lab File: i15269.D
Acq: 31 Oct 2013 6:21 pm

Tgt Ion: 78 Resp: 59664

Ion	Ratio	Lower	Upper
78	100		
51	17.8	1.4	61.4

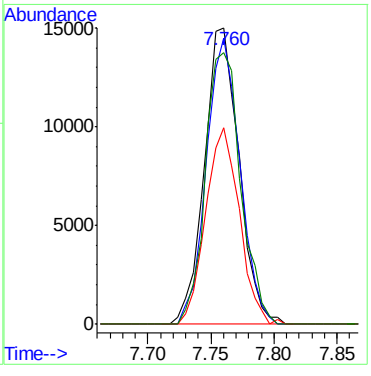


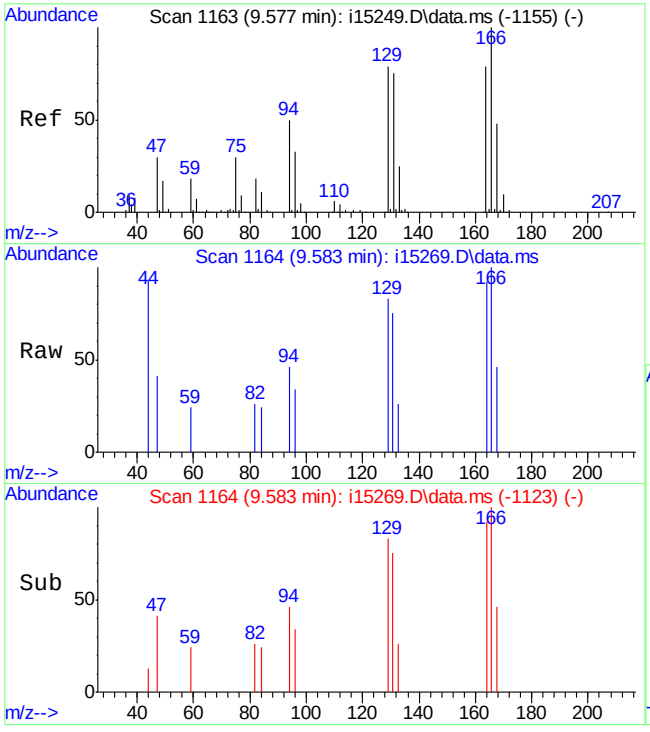


#46
Trichloroethene
Concen: 3.81 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15269.D
Acq: 31 Oct 2013 6:21 pm

Tgt Ion: 95 Resp: 28551

Ion	Ratio	Lower	Upper
95	100		
130	96.7	46.4	106.4
97	66.1	5.1	65.1#
132	91.6	44.1	104.1

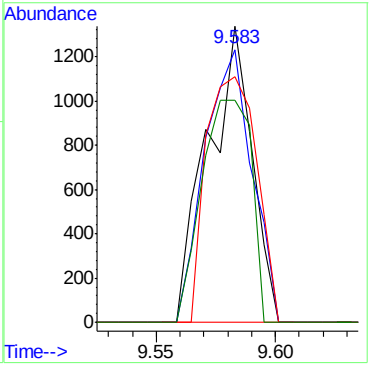


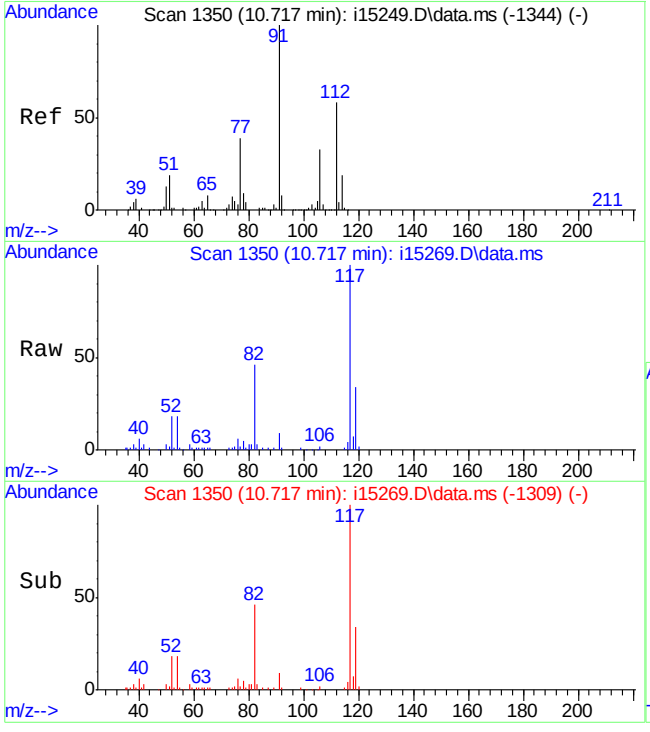


#60
Tetrachloroethene
Concen: 0.22 ug/L
RT: 9.583 min Scan# 1164
Delta R.T. 0.000 min
Lab File: i15269.D
Acq: 31 Oct 2013 6:21 pm

Tgt Ion:166 Resp: 1731

Ion	Ratio	Lower	Upper
166	100		
164	92.1	29.5	89.5#
129	82.8	43.7	103.7
131	74.9	39.3	99.3

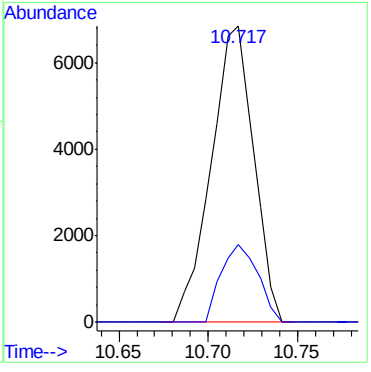




#68
Ethylbenzene
Concen: 0.32 ug/L
RT: 10.717 min Scan# 1350
Delta R.T. -0.000 min
Lab File: i15269.D
Acq: 31 Oct 2013 6:21 pm

Tgt Ion: 91 Resp: 11347

Ion	Ratio	Lower	Upper
91	100		
106	26.1	7.6	67.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15270.D
Acq On : 31 Oct 2013 6:45 pm
Operator : WILFREDO
Sample : FA9297-33
Misc : ms25560,vi196,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 01 09:45:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

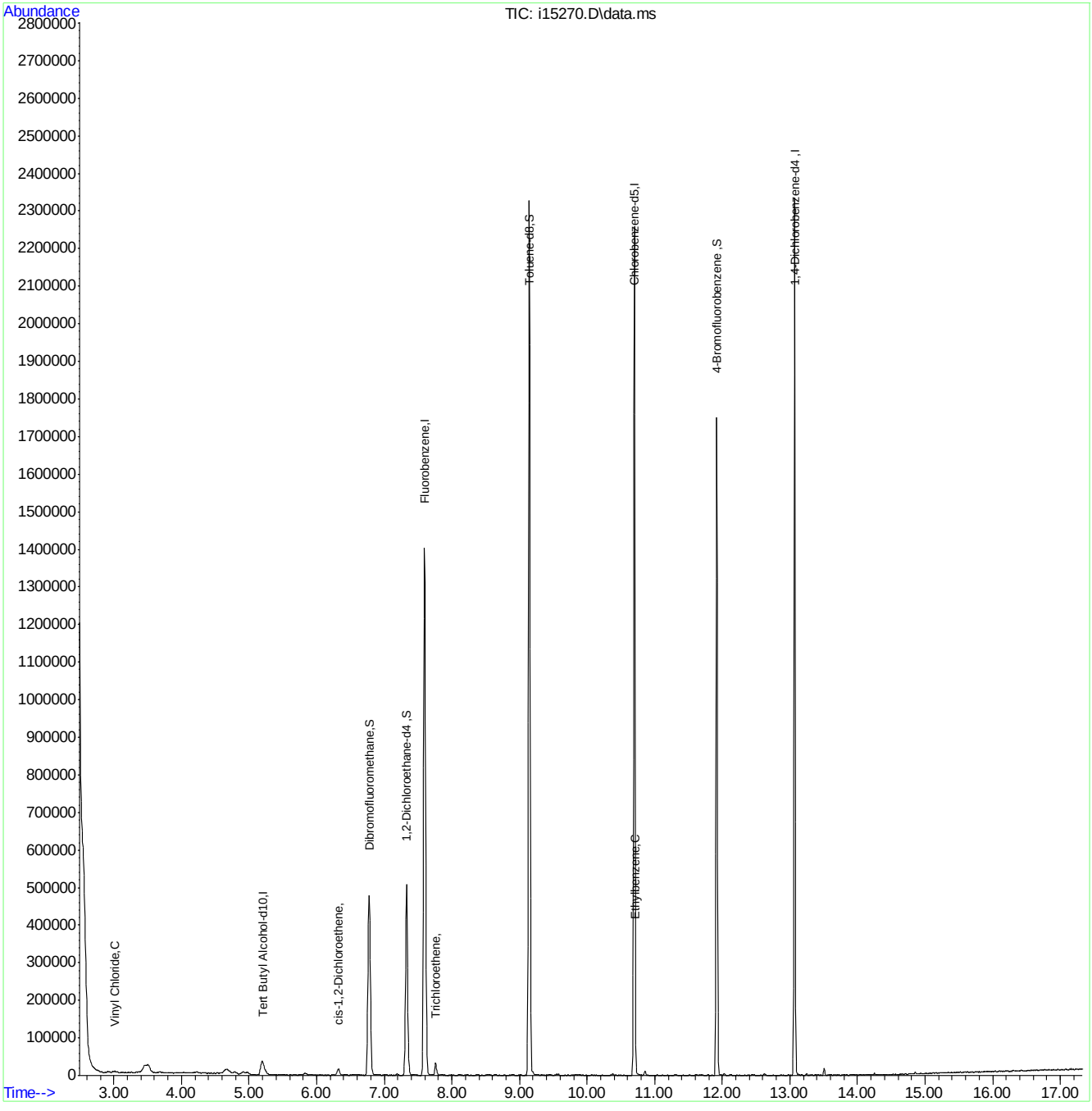
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.595	96	1253785	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.698	117	955729	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	436926	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.199	65	77078	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.778	113	342881	48.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.48%			
44) 1,2-Dichloroethane-d4	7.327	65	402589	49.84	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.68%			
55) Toluene-d8	9.144	98	1263790	50.15	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.30%			
77) 4-Bromofluorobenzene	11.918	174	339706	49.91	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.82%			
Target Compounds						Qvalue
4) Vinyl Chloride	3.011	62	2405	0.21	ug/L	88
28) cis-1,2-Dichloroethene	6.315	96	9712	1.34	ug/L	84
46) Trichloroethene	7.760	95	10126	1.36	ug/L #	69
68) Ethylbenzene	10.717	91	9367	0.26	ug/L	95

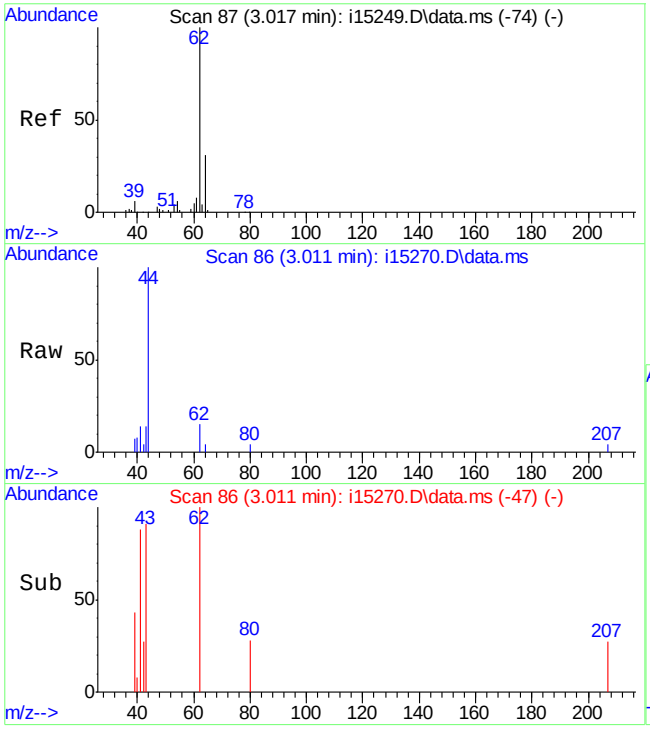
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15270.D
Acq On : 31 Oct 2013 6:45 pm
Operator : WILFREDO
Sample : FA9297-33
Misc : ms25560,vi196,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 01 09:45:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

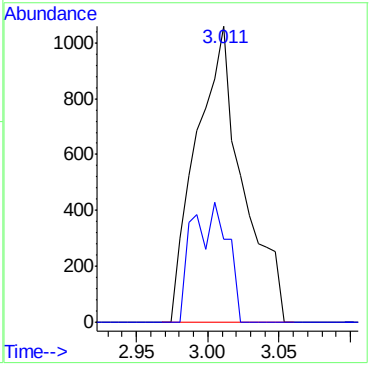


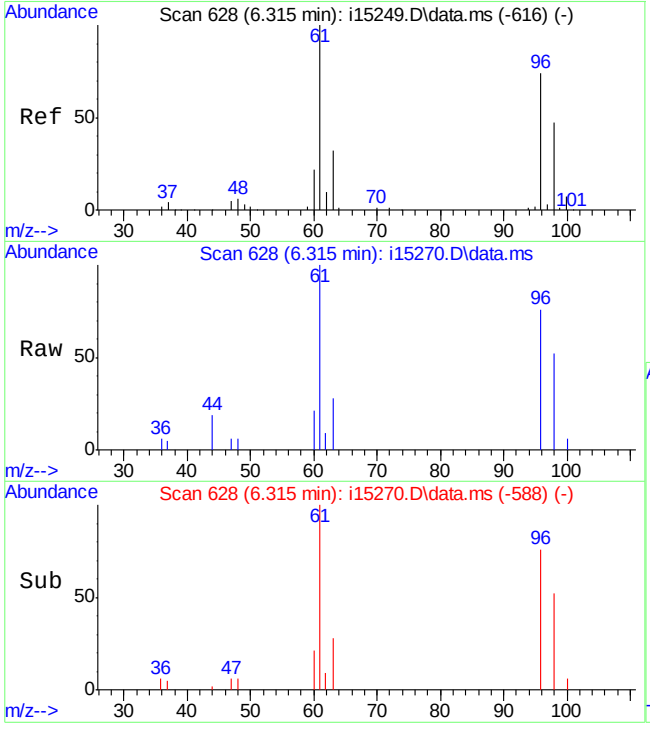


#4
Vinyl Chloride
Concen: 0.21 ug/L
RT: 3.011 min Scan# 86
Delta R.T. -0.012 min
Lab File: i15270.D
Acq: 31 Oct 2013 6:45 pm

Tgt Ion: 62 Resp: 2405

Ion	Ratio	Lower	Upper
62	100		
64	28.2	0.0	52.4

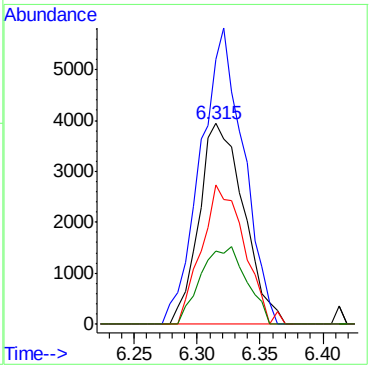


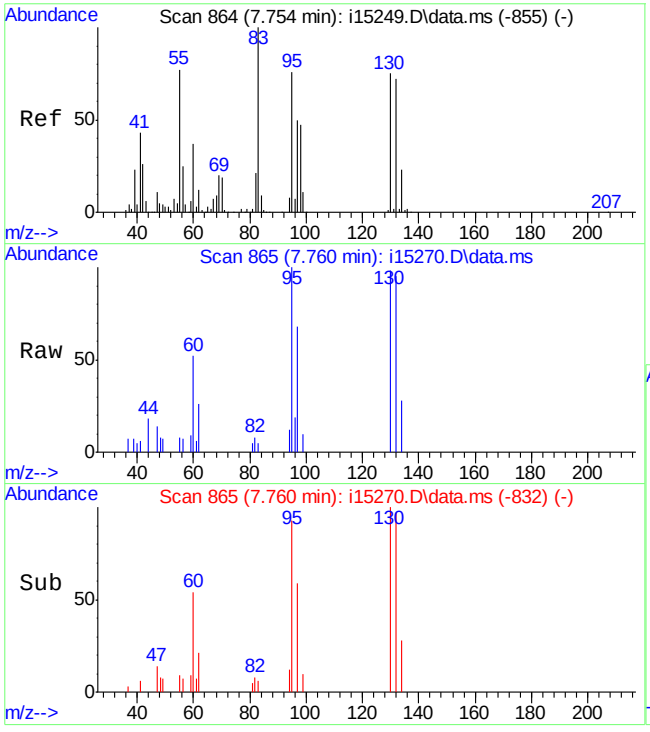


#28
cis-1,2-Dichloroethene
Concen: 1.34 ug/L
RT: 6.315 min Scan# 628
Delta R.T. -0.006 min
Lab File: i15270.D
Acq: 31 Oct 2013 6:45 pm

Tgt Ion: 96 Resp: 9712

Ion	Ratio	Lower	Upper
96	100		
61	131.9	86.5	146.5
98	69.1	17.7	77.7
63	36.4	4.7	64.7

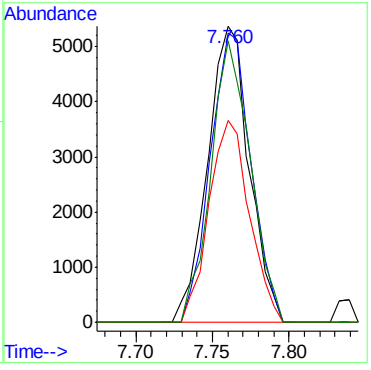


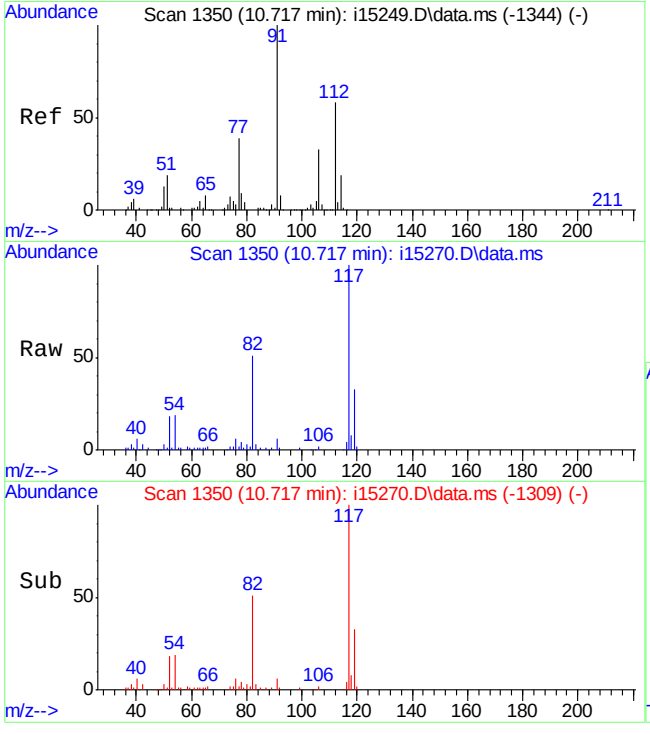


#46
Trichloroethene
Concen: 1.36 ug/L
RT: 7.760 min Scan# 865
Delta R.T. -0.000 min
Lab File: i15270.D
Acq: 31 Oct 2013 6:45 pm

Tgt Ion: 95 Resp: 10126

Ion	Ratio	Lower	Upper
95	100		
130	97.7	46.4	106.4
97	68.4	5.1	65.1#
132	95.3	44.1	104.1

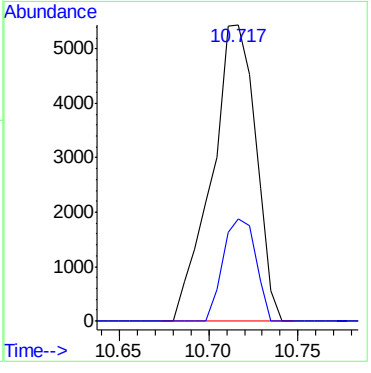




#68
Ethylbenzene
Concen: 0.26 ug/L
RT: 10.717 min Scan# 1350
Delta R.T. -0.000 min
Lab File: i15270.D
Acq: 31 Oct 2013 6:45 pm

Tgt Ion: 91 Resp: 9367

Ion	Ratio	Lower	Upper
91	100		
106	34.6	7.6	67.6



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15271.D
Acq On : 31 Oct 2013 7:09 pm
Operator : WILFREDO
Sample : FA9297-34
Misc : ms25560,vi196,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 01 09:45:28 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

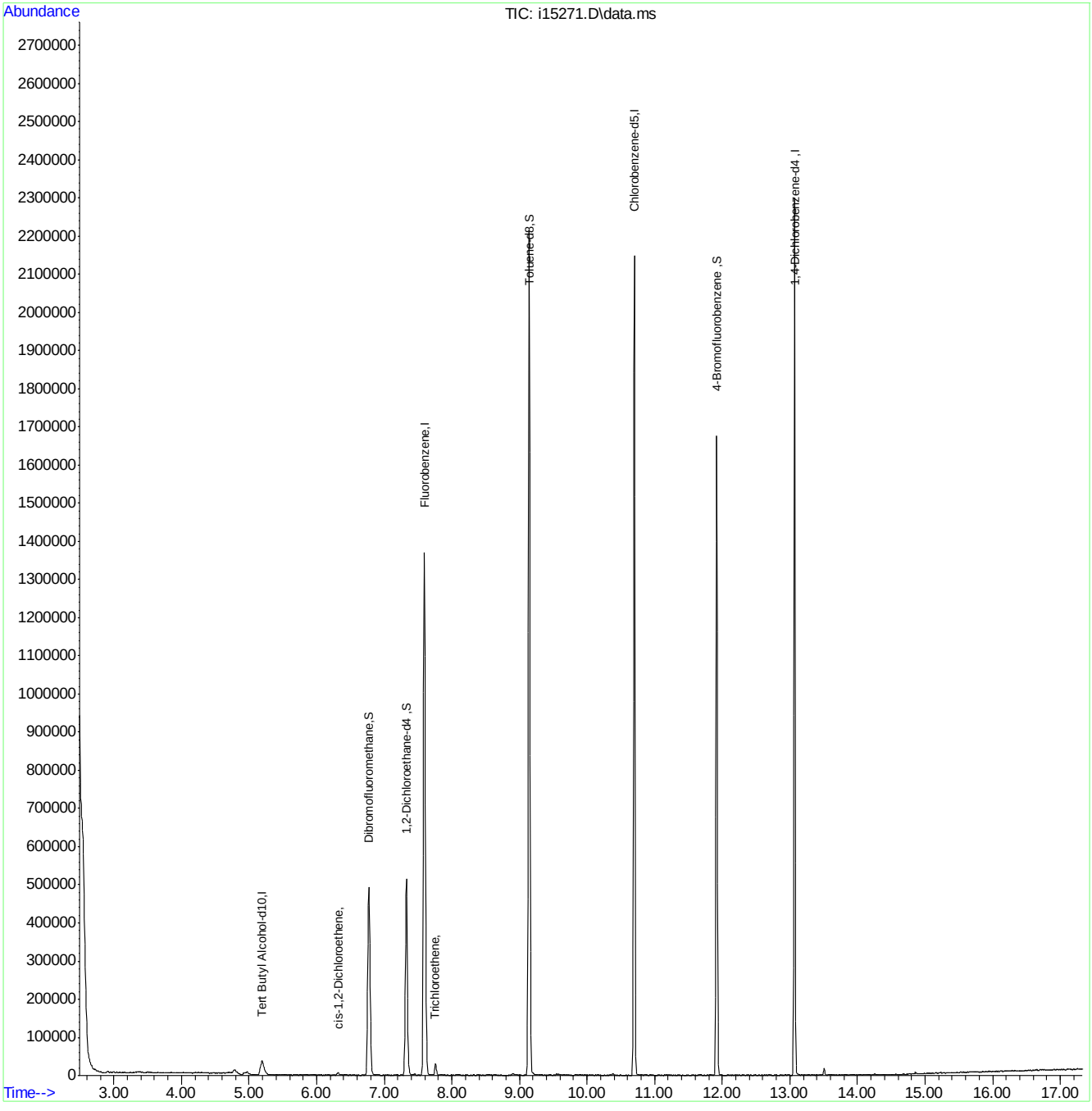
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1209222	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	918490	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	437307	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.188	65	74714	250.00	ug/L	-0.02
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	331570	48.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.74%			
44) 1,2-Dichloroethane-d4	7.327	65	388290	49.84	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.68%			
55) Toluene-d8	9.144	98	1212320	50.05	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.10%			
77) 4-Bromofluorobenzene	11.918	174	328570	48.24	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.48%			
Target Compounds						Qvalue
28) cis-1,2-Dichloroethene	6.315	96	3618	0.52	ug/L	76
46) Trichloroethene	7.754	95	10121	1.41	ug/L	80

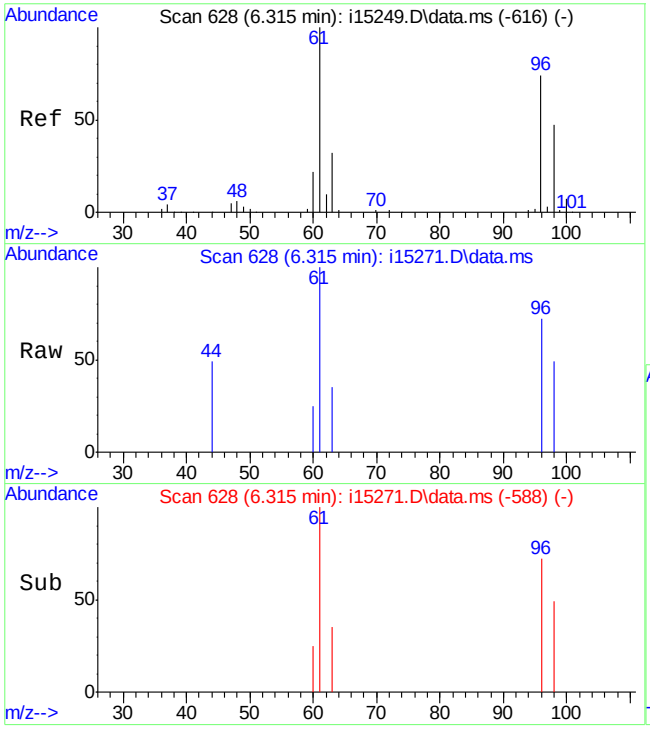
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15271.D
Acq On : 31 Oct 2013 7:09 pm
Operator : WILFREDO
Sample : FA9297-34
Misc : ms25560,vi196,,,,,
ALS Vial : 17 Sample Multiplier: 1

Quant Time: Nov 01 09:45:28 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

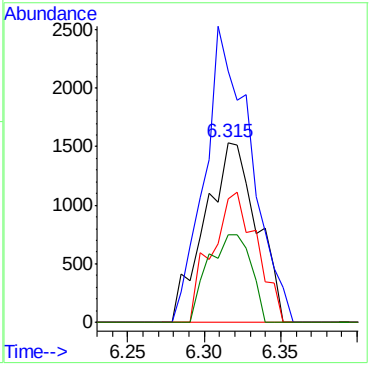


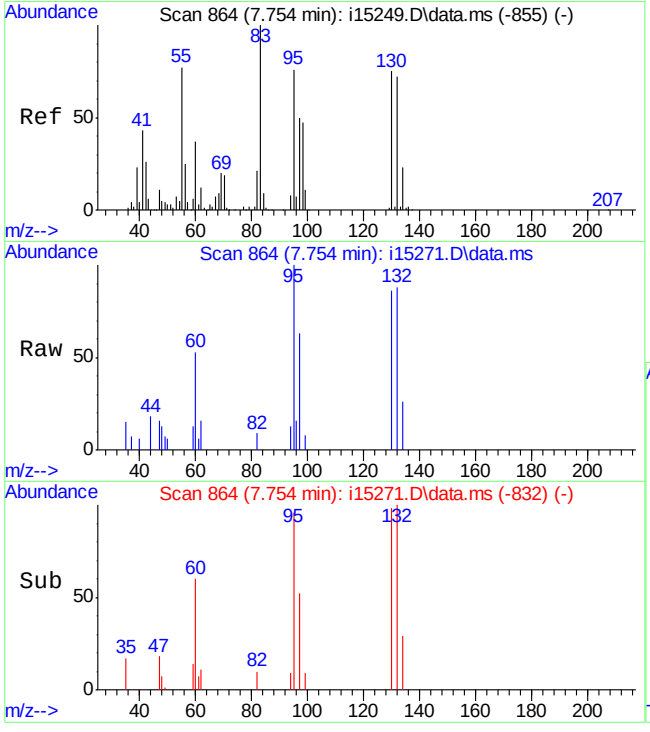


#28
cis-1,2-Dichloroethene
Concen: 0.52 ug/L
RT: 6.315 min Scan# 628
Delta R.T. -0.006 min
Lab File: i15271.D
Acq: 31 Oct 2013 7:09 pm

Tgt Ion: 96 Resp: 3618

Ion	Ratio	Lower	Upper
96	100		
61	139.6	86.5	146.5
98	68.7	17.7	77.7
63	48.7	4.7	64.7

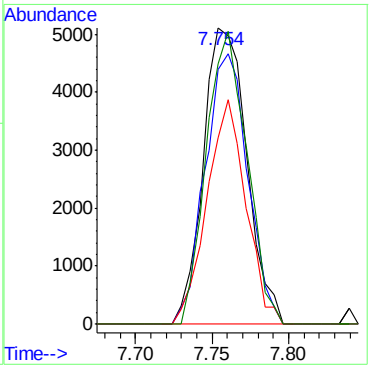




#46
Trichloroethene
Concen: 1.41 ug/L
RT: 7.754 min Scan# 864
Delta R.T. -0.006 min
Lab File: i15271.D
Acq: 31 Oct 2013 7:09 pm

Tgt Ion: 95 Resp: 10121

Ion	Ratio	Lower	Upper
95	100		
130	85.9	46.4	106.4
97	62.9	5.1	65.1
132	88.0	44.1	104.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15272.D
Acq On : 31 Oct 2013 7:32 pm
Operator : WILFREDO
Sample : FA9297-35
Misc : ms25560,vi196,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 01 09:45:49 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1207656	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	917638	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	434863	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.206	65	77540	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	325652	47.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.12%			
44) 1,2-Dichloroethane-d4	7.327	65	384155	49.37	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.74%			
55) Toluene-d8	9.144	98	1214414	50.19	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.38%			
77) 4-Bromofluorobenzene	11.918	174	325274	48.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.04%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

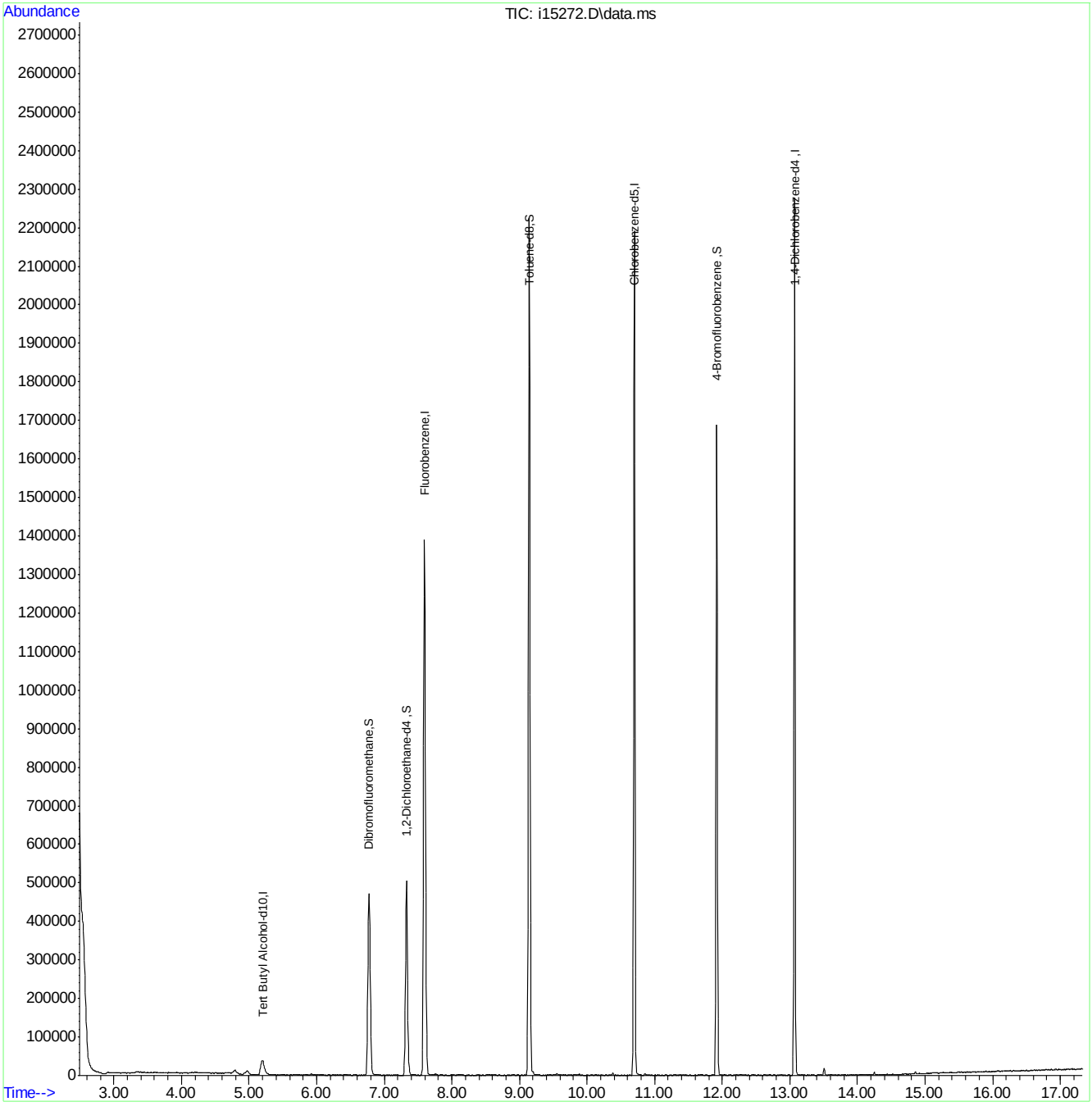
7.1.41

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15272.D
Acq On : 31 Oct 2013 7:32 pm
Operator : WILFREDO
Sample : FA9297-35
Misc : ms25560,vi196,,,,,
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Nov 01 09:45:49 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15273.D
Acq On : 31 Oct 2013 7:56 pm
Operator : WILFREDO
Sample : FA9297-36
Misc : ms25560,vi196,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 01 09:46:04 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

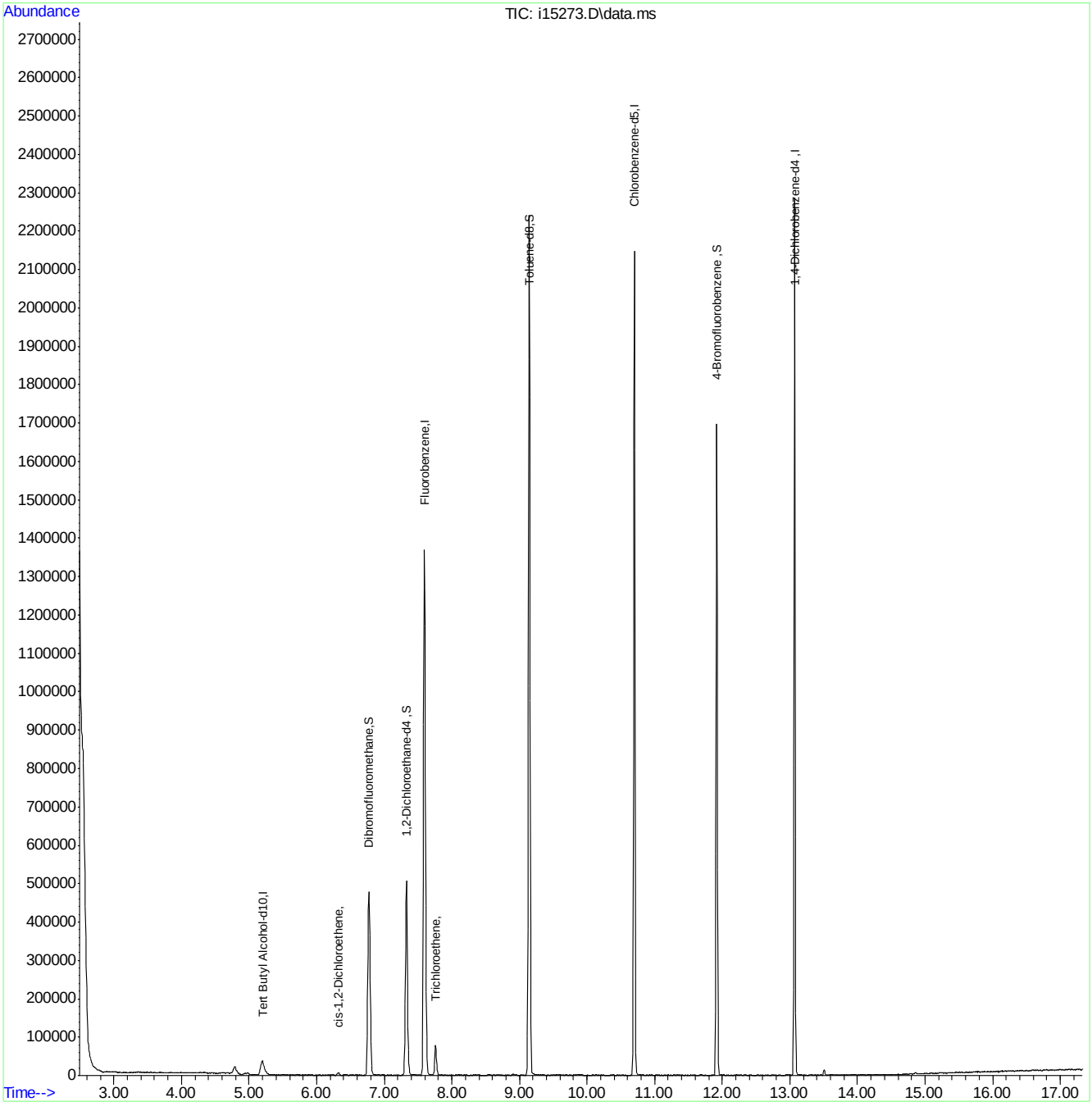
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1202563	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	906832	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	427876	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.200	65	75150	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	326682	47.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.84%			
44) 1,2-Dichloroethane-d4	7.327	65	384870	49.68	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.36%			
55) Toluene-d8	9.144	98	1219314	50.99	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.98%			
77) 4-Bromofluorobenzene	11.918	174	322651	48.41	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.82%			
Target Compounds						Qvalue
28) cis-1,2-Dichloroethene	6.321	96	3821	0.55	ug/L	87
46) Trichloroethene	7.760	95	26330	3.68	ug/L	78

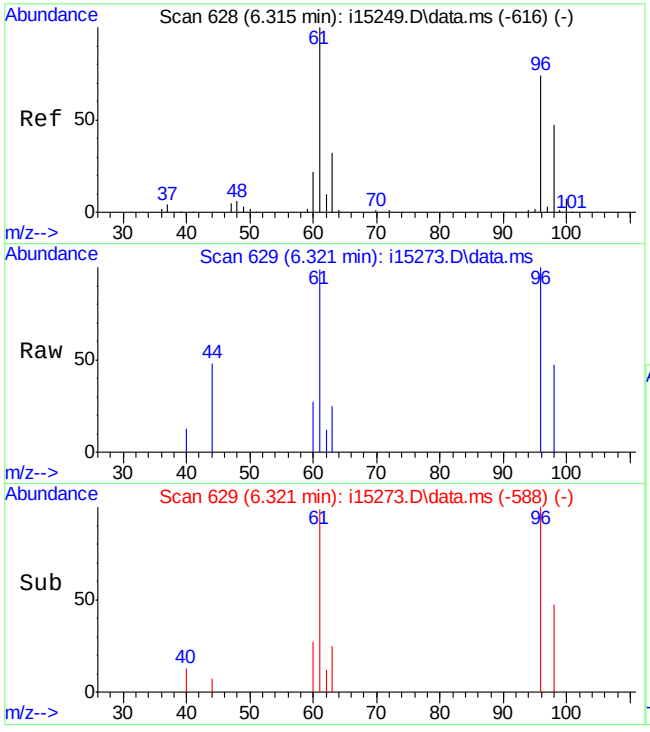
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15273.D
Acq On : 31 Oct 2013 7:56 pm
Operator : WILFREDO
Sample : FA9297-36
Misc : ms25560,vi196,,,,,
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Nov 01 09:46:04 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

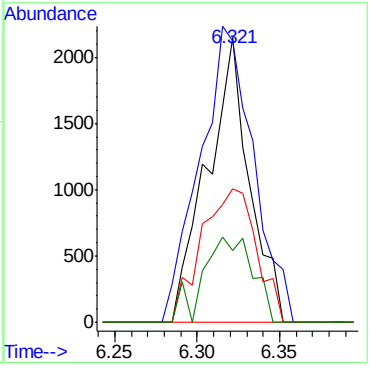


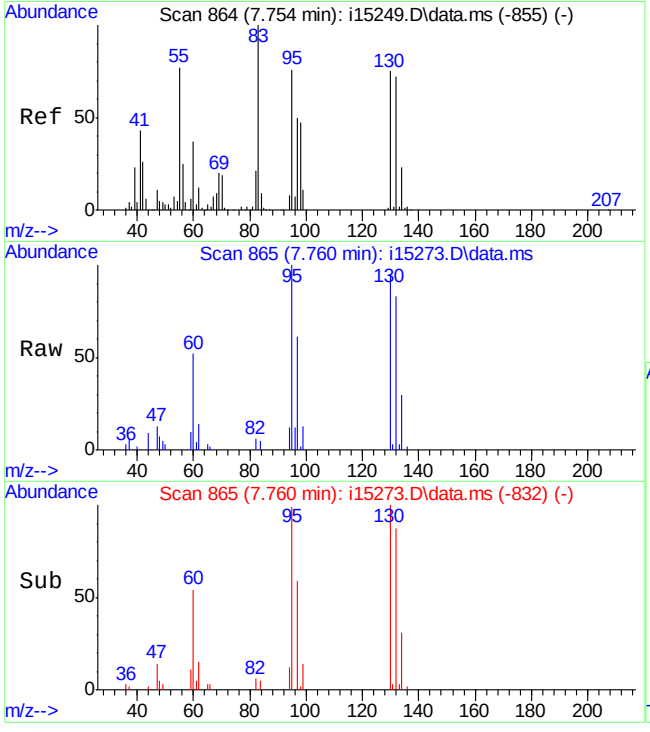


#28
cis-1,2-Dichloroethene
Concen: 0.55 ug/L
RT: 6.321 min Scan# 629
Delta R.T. 0.000 min
Lab File: i15273.D
Acq: 31 Oct 2013 7:56 pm

Tgt Ion: 96 Resp: 3821

Ion	Ratio	Lower	Upper
96	100		
61	98.8	86.5	146.5
98	46.8	17.7	77.7
63	25.1	4.7	64.7

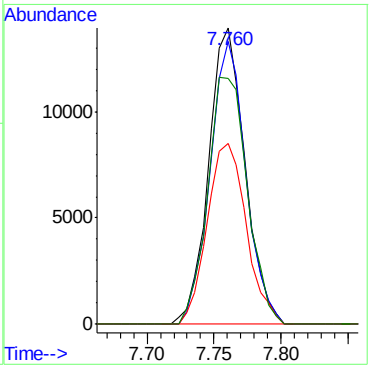




#46
Trichloroethene
Concen: 3.68 ug/L
RT: 7.760 min Scan# 865
Delta R.T. 0.000 min
Lab File: i15273.D
Acq: 31 Oct 2013 7:56 pm

Tgt Ion: 95 Resp: 26330

Ion	Ratio	Lower	Upper
95	100		
130	95.5	46.4	106.4
97	61.0	5.1	65.1
132	82.9	44.1	104.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19884.D
Acq On : 31 Oct 2013 9:05 pm
Operator : melissam
Sample : FA9297-37,2X
Misc : MS25564,VO791,,,,,2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 11:25:42 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

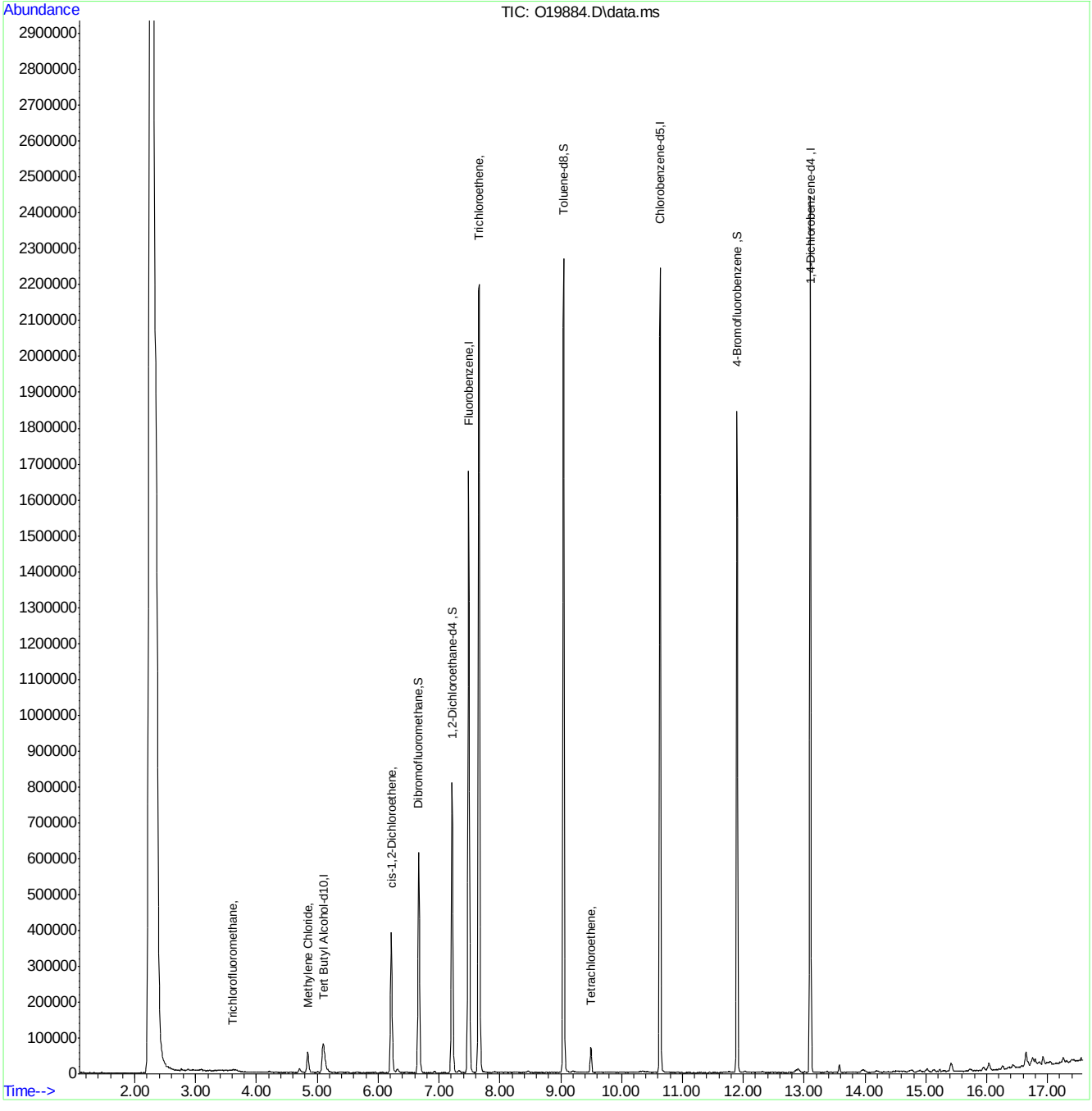
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1163398	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	876383	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	476745	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	119880	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	356405	48.60	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.20%			
46) 1,2-Dichloroethane-d4	7.214	65	552923	45.98	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 91.96%			
57) Toluene-d8	9.049	98	1118581	50.18	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.36%			
79) 4-Bromofluorobenzene	11.896	95	500941	50.27	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.54%			
Target Compounds						Qvalue
8) Trichlorofluoromethane	3.605	101	4204	0.22	ug/L	96
16) Methylene Chloride	4.842	49	46001	2.03	ug/L	92
29) cis-1,2-Dichloroethene	6.214	96	138973	14.54	ug/L	99
48) Trichloroethene	7.659	95	638020	67.03	ug/L	99
62) Tetrachloroethene	9.500	166	14878	1.57	ug/L	95

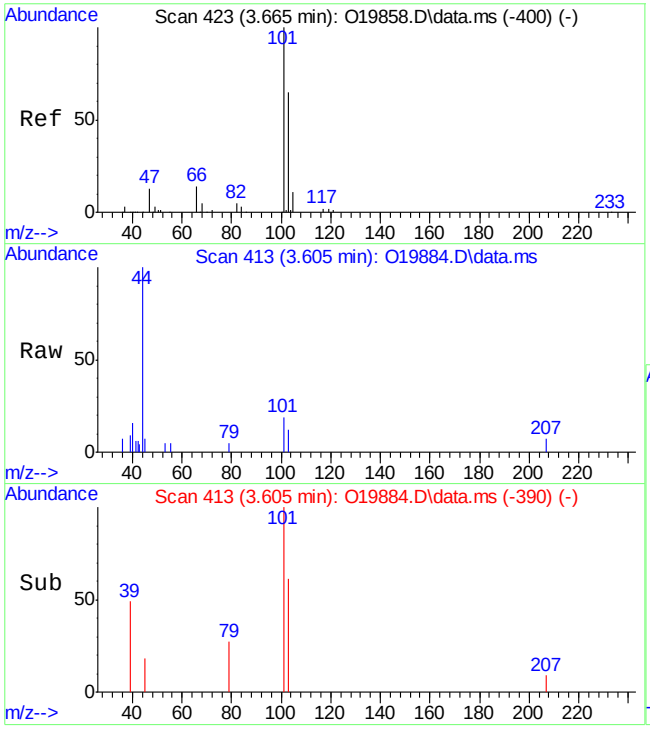
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19884.D
Acq On : 31 Oct 2013 9:05 pm
Operator : melissam
Sample : FA9297-37,2X
Misc : MS25564,VO791,,,,,2
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 11:25:42 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

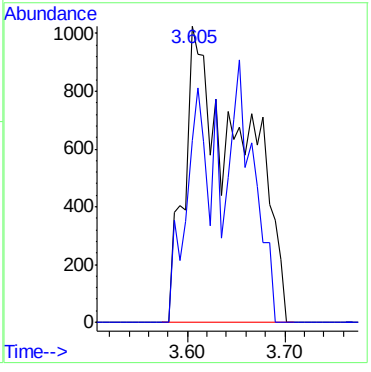


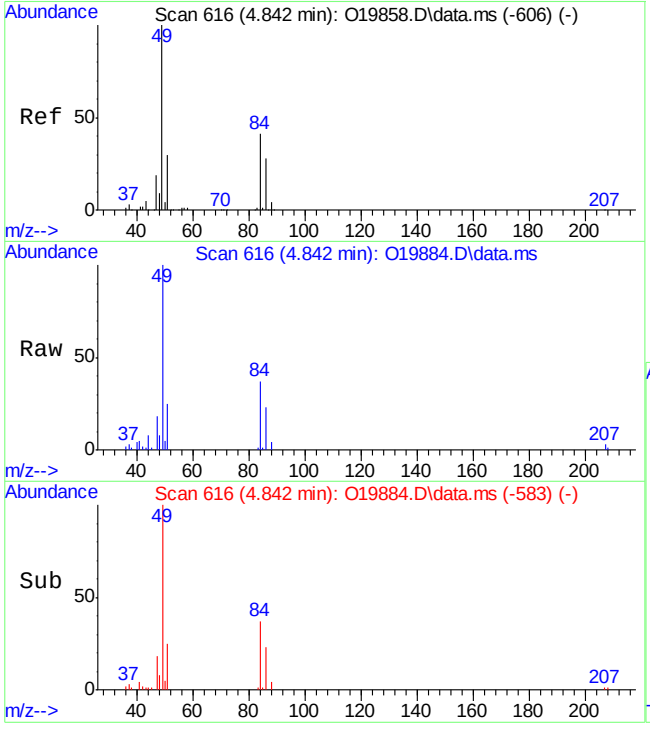


#8
Trichlorofluoromethane
Concen: 0.22 ug/L
RT: 3.605 min Scan# 413
Delta R.T. -0.061 min
Lab File: O19884.D
Acq: 31 Oct 2013 9:05 pm

Tgt Ion:101 Resp: 4204

Ion	Ratio	Lower	Upper
101	100		
103	61.3	34.6	94.6

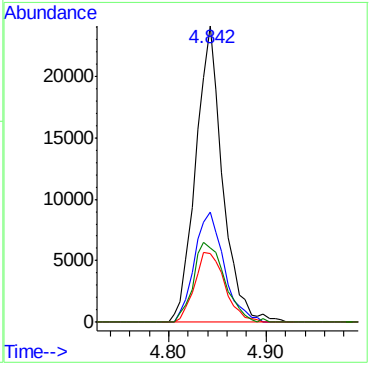


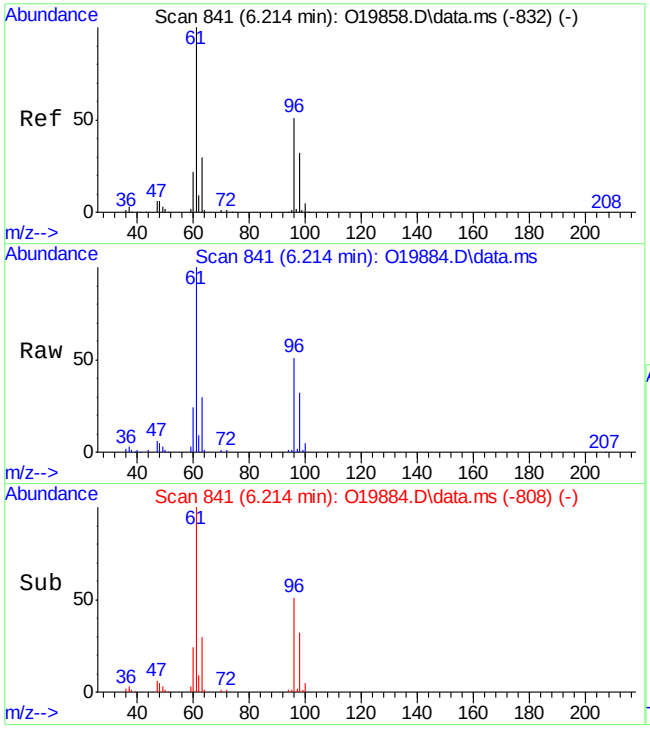


#16
Methylene Chloride
Concen: 2.03 ug/L
RT: 4.842 min Scan# 616
Delta R.T. 0.000 min
Lab File: O19884.D
Acq: 31 Oct 2013 9:05 pm

Tgt Ion: 49 Resp: 46001

Ion	Ratio	Lower	Upper
49	100		
84	37.2	10.6	70.6
86	23.1	0.0	57.7
51	24.9	0.1	60.1

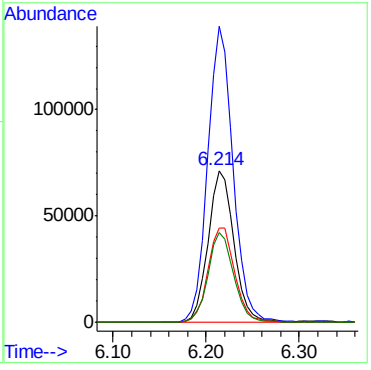


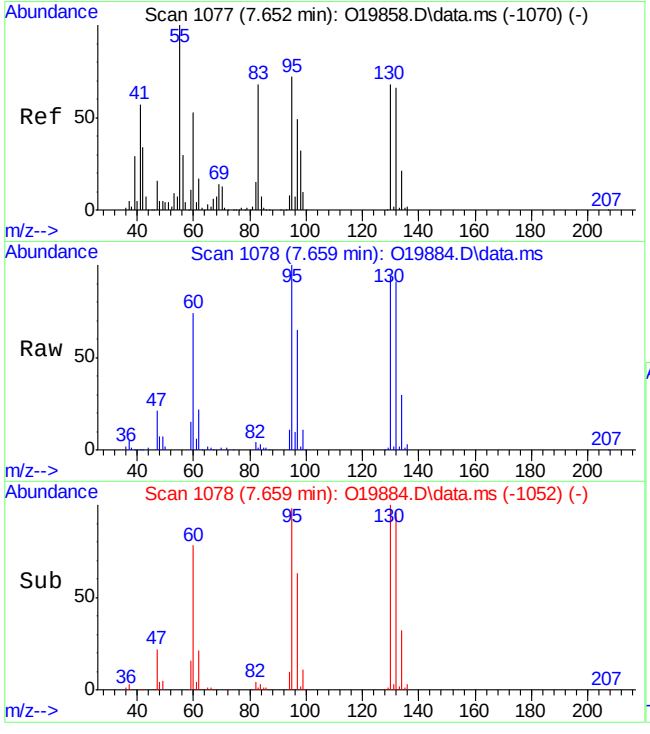


#29
cis-1,2-Dichloroethene
Concen: 14.54 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19884.D
Acq: 31 Oct 2013 9:05 pm

Tgt Ion: 96 Resp: 138973

Ion	Ratio	Lower	Upper
96	100		
61	195.5	166.6	226.6
98	62.2	33.5	93.5
63	59.4	28.5	88.5

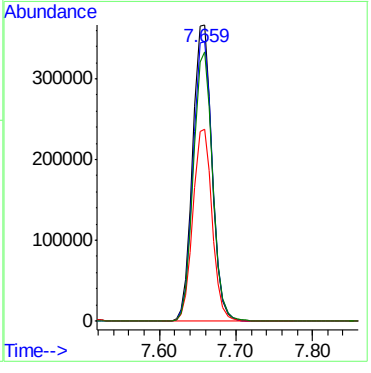


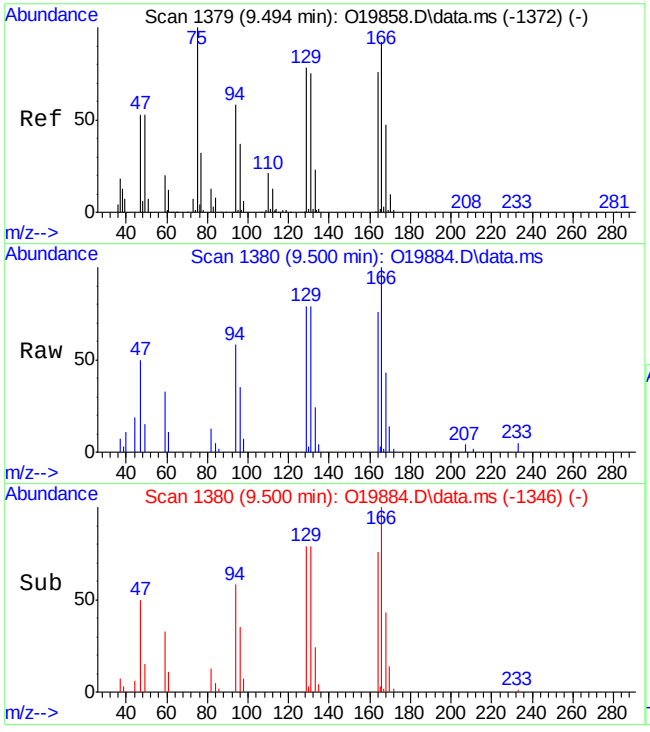


#48
Trichloroethene
Concen: 67.03 ug/L
RT: 7.659 min Scan# 1078
Delta R.T. 0.006 min
Lab File: O19884.D
Acq: 31 Oct 2013 9:05 pm

Tgt Ion: 95 Resp: 638020

Ion	Ratio	Lower	Upper
95	100		
130	94.2	63.6	123.6
97	65.0	38.1	98.1
132	90.9	60.7	120.7

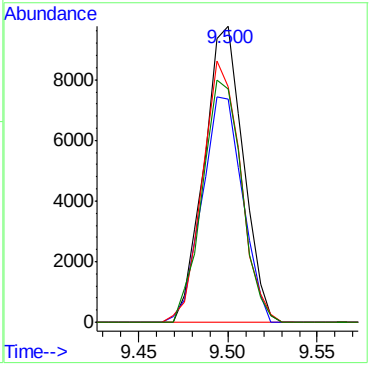




#62
Tetrachloroethene
Concen: 1.57 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19884.D
Acq: 31 Oct 2013 9:05 pm

Tgt Ion:166 Resp: 14878

Ion	Ratio	Lower	Upper
166	100		
164	75.5	52.5	112.5
129	79.5	54.4	114.4
131	78.9	51.5	111.5



7.1.43

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19905.D
Acq On : 1 Nov 2013 2:02 pm
Operator : melissam
Sample : FA9297-38,5X
Misc : MS25570,VO792,,,,,5
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 07:58:03 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

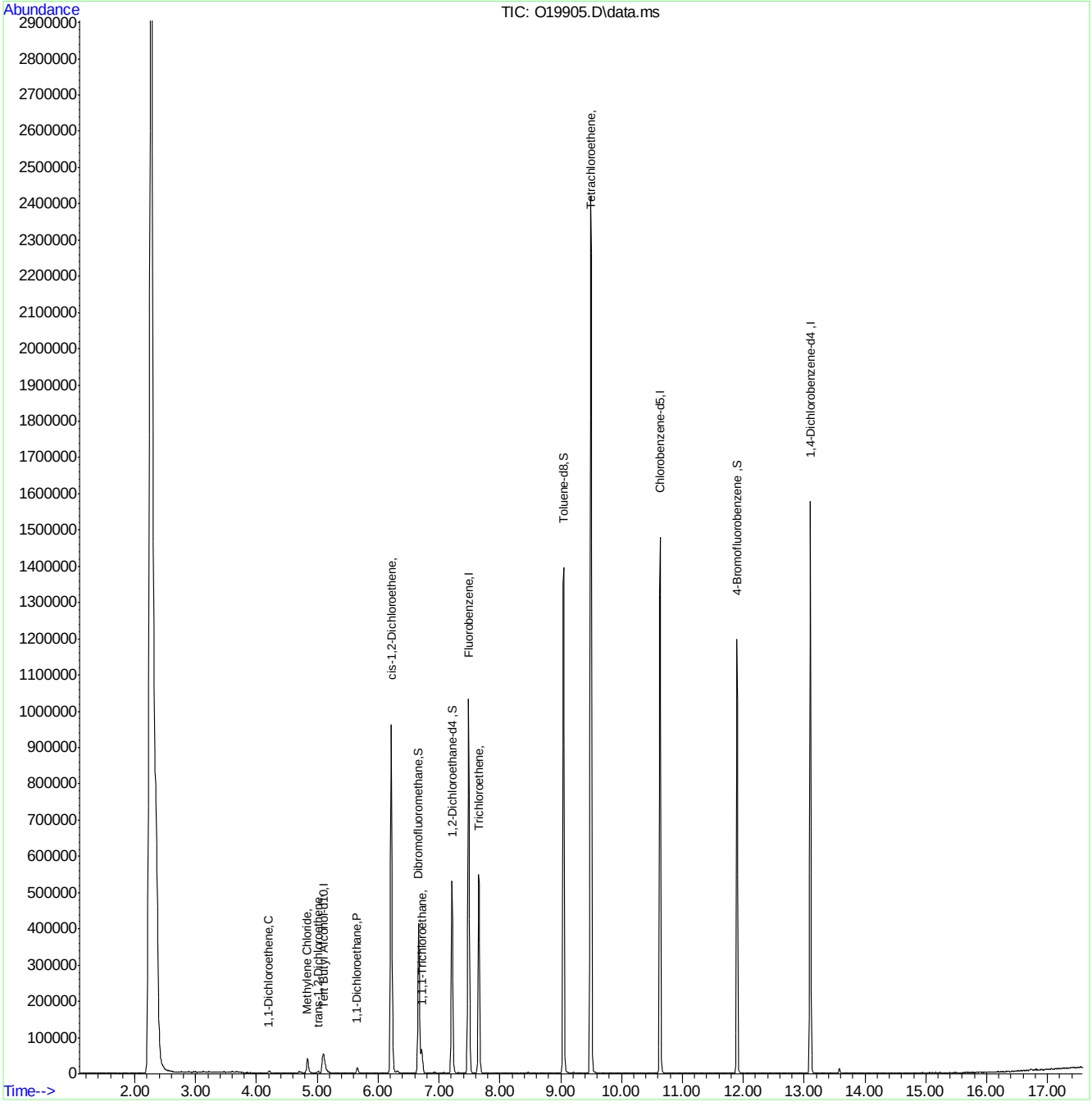
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	693491	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	538156	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	288049	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	74037	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	233273	52.41	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 104.82%			
46) 1,2-Dichloroethane-d4	7.214	65	383885	53.56	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 107.12%			
57) Toluene-d8	9.049	98	668498	49.16	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.32%			
79) 4-Bromofluorobenzene	11.896	95	307608	50.87	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.74%			
Target Compounds						Qvalue
11) 1,1-Dichloroethene	4.202	61	5157	0.45	ug/L	85
16) Methylene Chloride	4.836	49	35303	2.62	ug/L	92
19) trans-1,2-Dichloroethene	5.007	61	3777	0.33	ug/L	98
25) 1,1-Dichloroethane	5.653	63	15002	1.15	ug/L	99
29) cis-1,2-Dichloroethene	6.214	96	314777	55.23	ug/L	99
38) 1,1,1-Trichloroethane	6.714	97	44166	4.22	ug/L	92
48) Trichloroethene	7.653	95	152020	26.79	ug/L	95
62) Tetrachloroethene	9.500	166	494135	84.96	ug/L	95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

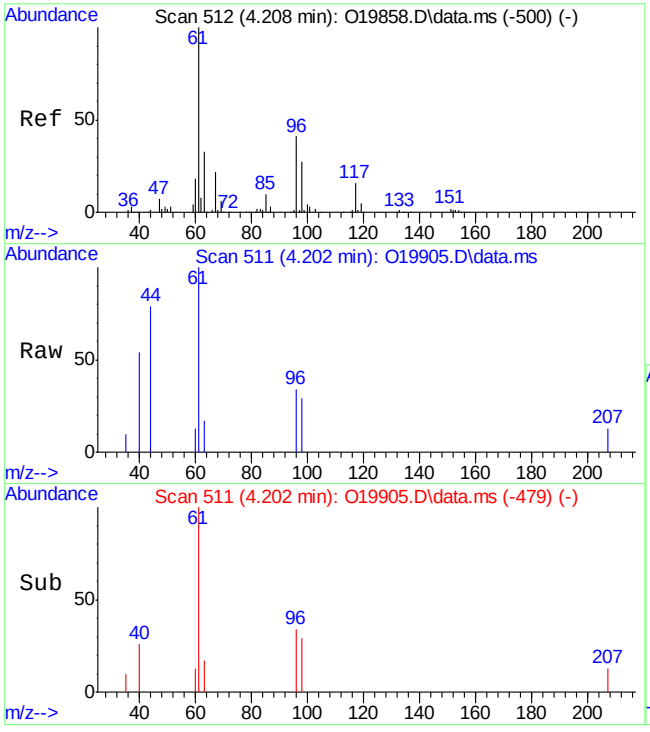
Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19905.D
Acq On : 1 Nov 2013 2:02 pm
Operator : melissam
Sample : FA9297-38,5X
Misc : MS25570,VO792,,,,,5
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Nov 04 07:58:03 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



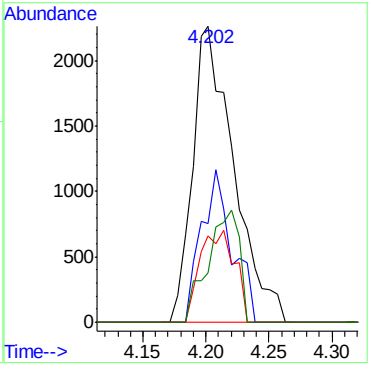
msoNCOXY103113.m Mon Nov 04 08:59:07 2013 Page: 2

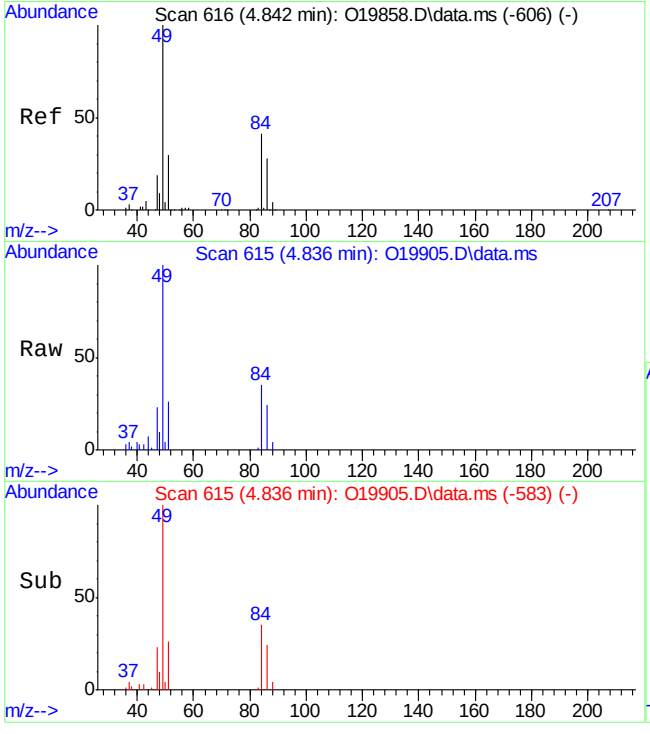


#11
1,1-Dichloroethene
Concen: 0.45 ug/L
RT: 4.202 min Scan# 511
Delta R.T. -0.006 min
Lab File: O19905.D
Acq: 1 Nov 2013 2:02 pm

Tgt Ion: 61 Resp: 5157

Ion	Ratio	Lower	Upper
61	100		
96	33.5	10.9	70.9
98	29.1	0.0	57.1
63	16.8	2.6	62.6

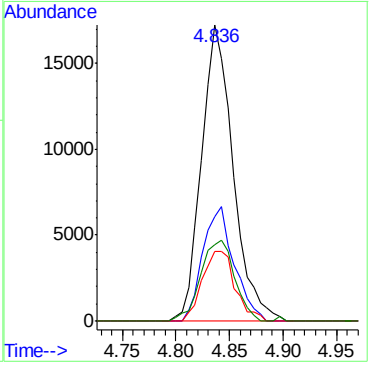


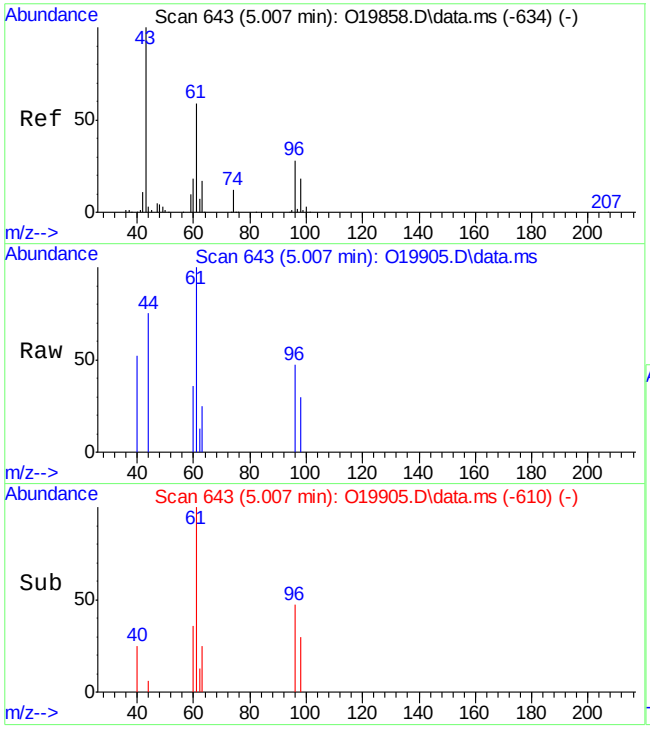


#16
Methylene Chloride
Concen: 2.62 ug/L
RT: 4.836 min Scan# 615
Delta R.T. -0.006 min
Lab File: O19905.D
Acq: 1 Nov 2013 2:02 pm

Tgt Ion: 49 Resp: 35303

Ion	Ratio	Lower	Upper
49	100		
84	35.3	10.6	70.6
86	23.6	0.0	57.7
51	25.7	0.1	60.1

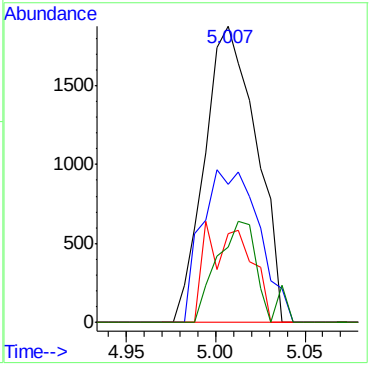


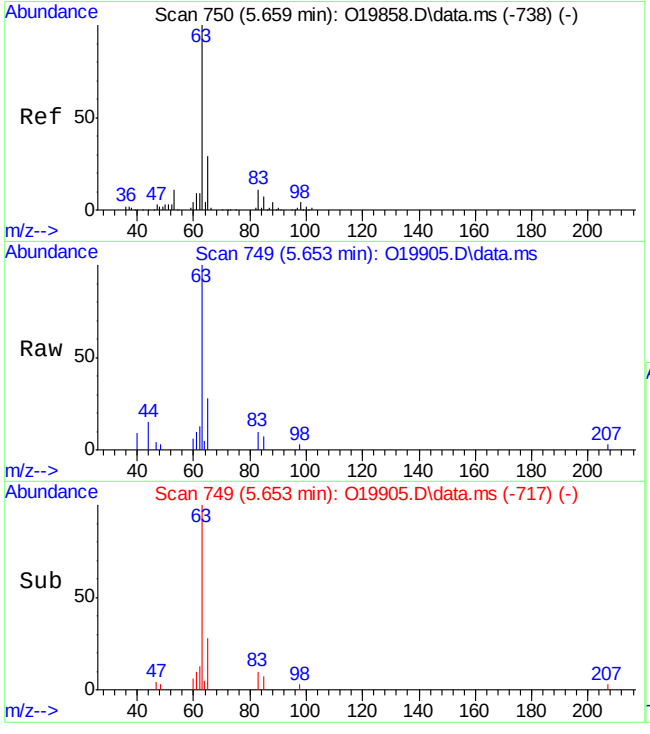


#19
trans-1,2-Dichloroethene
Concen: 0.33 ug/L
RT: 5.007 min Scan# 643
Delta R.T. 0.000 min
Lab File: O19905.D
Acq: 1 Nov 2013 2:02 pm

Tgt Ion: 61 Resp: 3777

Ion	Ratio	Lower	Upper
61	100		
96	46.5	16.6	76.6
98	30.1	0.0	59.8
63	25.5	0.0	59.1

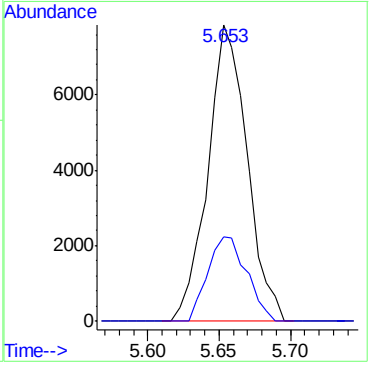


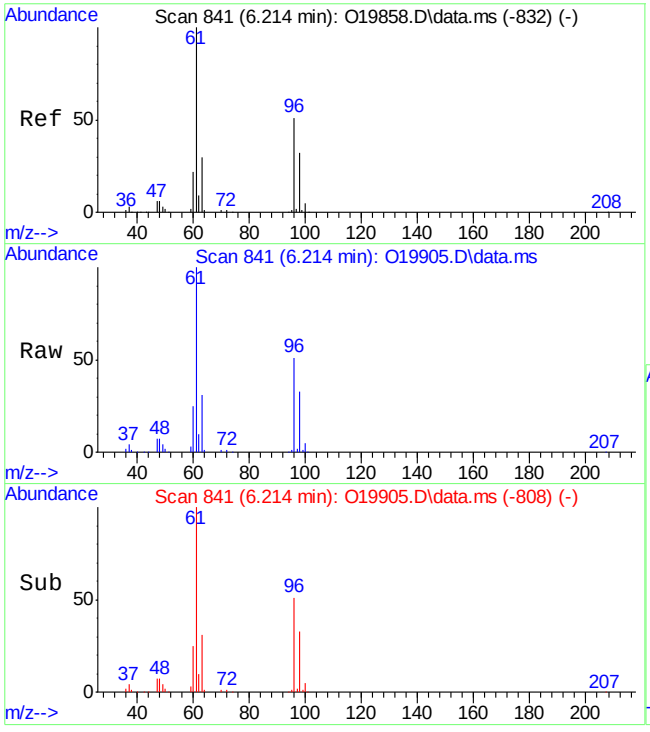


#25
1,1-Dichloroethane
Concen: 1.15 ug/L
RT: 5.653 min Scan# 749
Delta R.T. -0.006 min
Lab File: O19905.D
Acq: 1 Nov 2013 2:02 pm

Tgt Ion: 63 Resp: 15002

Ion	Ratio	Lower	Upper
63	100		
65	28.4	0.0	58.8

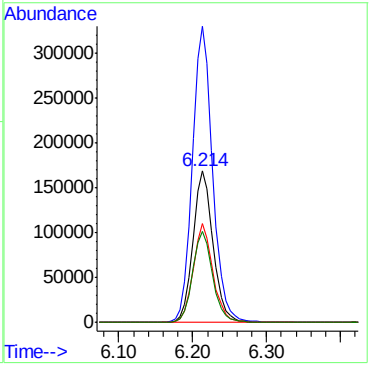


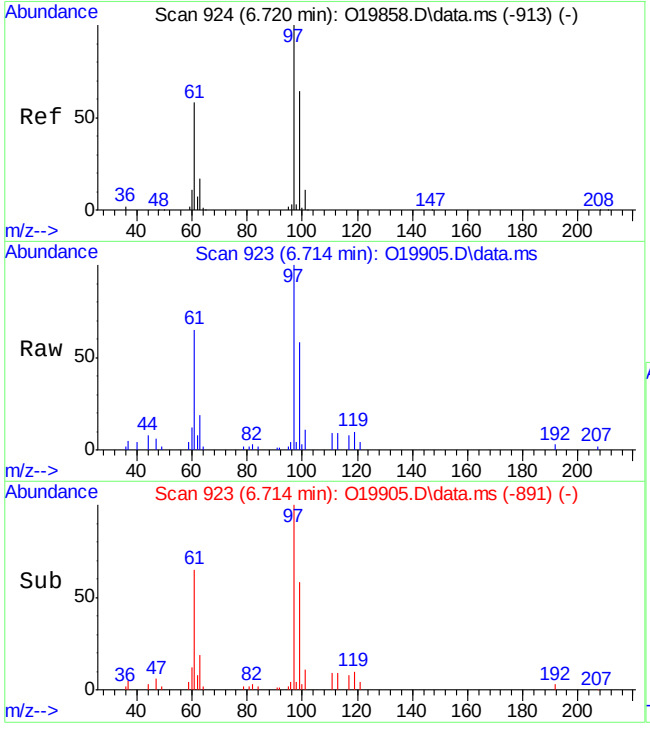


#29
cis-1,2-Dichloroethene
Concen: 55.23 ug/L
RT: 6.214 min Scan# 841
Delta R.T. 0.000 min
Lab File: O19905.D
Acq: 1 Nov 2013 2:02 pm

Tgt Ion: 96 Resp: 314777

Ion	Ratio	Lower	Upper
96	100		
61	196.0	166.6	226.6
98	65.4	33.5	93.5
63	59.8	28.5	88.5

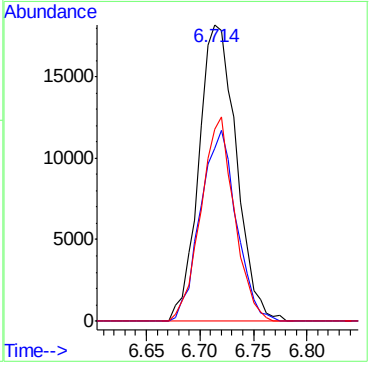


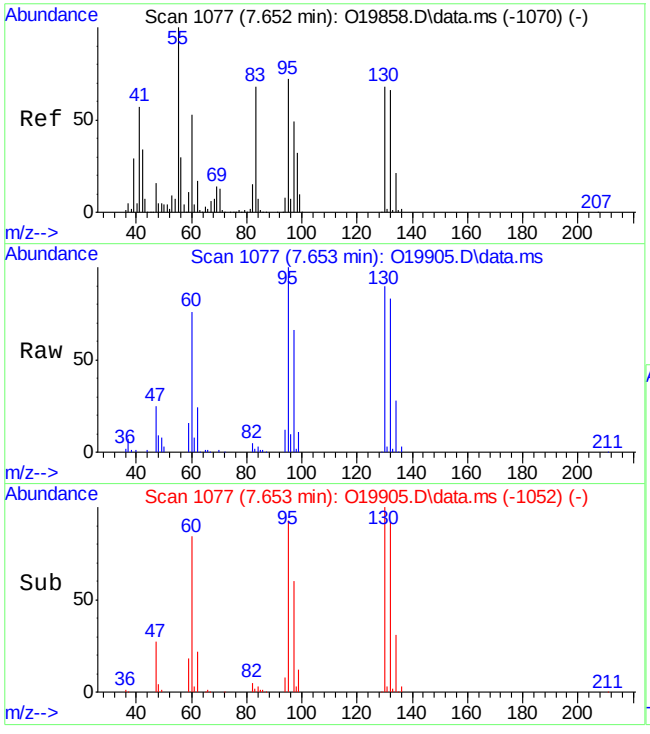


#38
1,1,1-Trichloroethane
Concen: 4.22 ug/L
RT: 6.714 min Scan# 923
Delta R.T. -0.006 min
Lab File: O19905.D
Acq: 1 Nov 2013 2:02 pm

Tgt Ion: 97 Resp: 44166

Ion	Ratio	Lower	Upper
97	100		
99	58.4	34.3	94.3
61	64.6	28.2	88.2

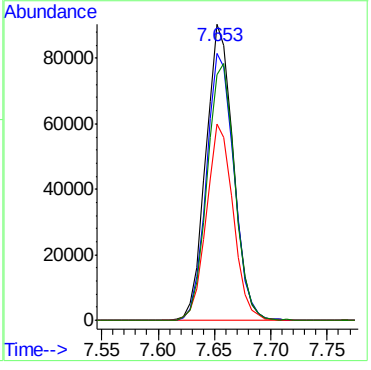


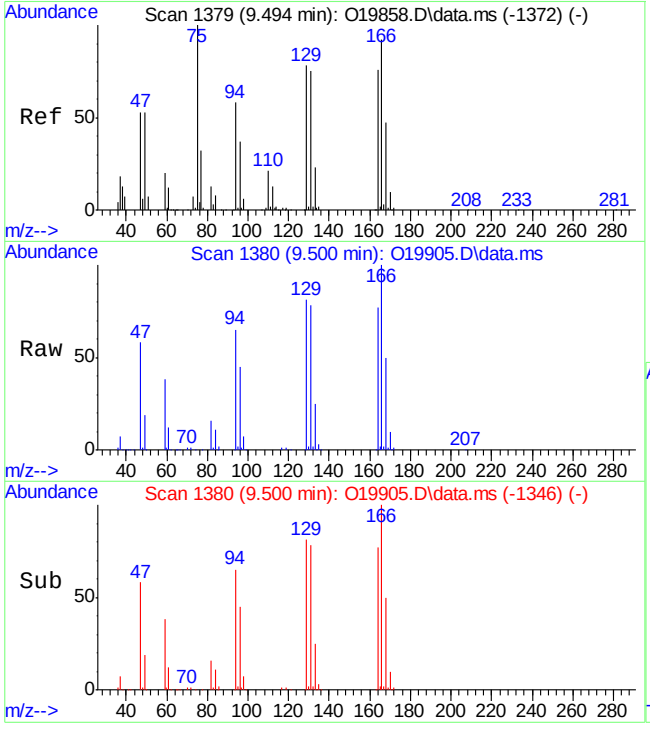


#48
Trichloroethene
Concen: 26.79 ug/L
RT: 7.653 min Scan# 1077
Delta R.T. 0.000 min
Lab File: O19905.D
Acq: 1 Nov 2013 2:02 pm

Tgt Ion: 95 Resp: 152020

Ion	Ratio	Lower	Upper
95	100		
130	90.1	63.6	123.6
97	66.2	38.1	98.1
132	83.0	60.7	120.7

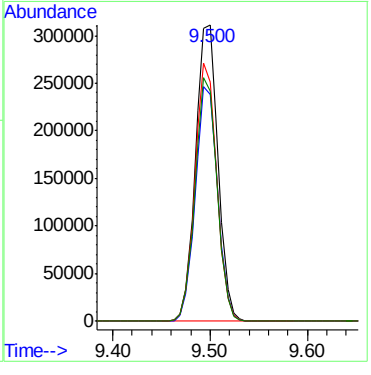




#62
Tetrachloroethene
Concen: 84.96 ug/L
RT: 9.500 min Scan# 1380
Delta R.T. 0.006 min
Lab File: O19905.D
Acq: 1 Nov 2013 2:02 pm

Tgt Ion:166 Resp: 494135

Ion	Ratio	Lower	Upper
166	100		
164	76.7	52.5	112.5
129	80.6	54.4	114.4
131	77.9	51.5	111.5



7.1.44

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19885.D
Acq On : 31 Oct 2013 9:27 pm
Operator : melissam
Sample : FA9297-39
Misc : MS25564,VO791,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 01 11:26:35 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

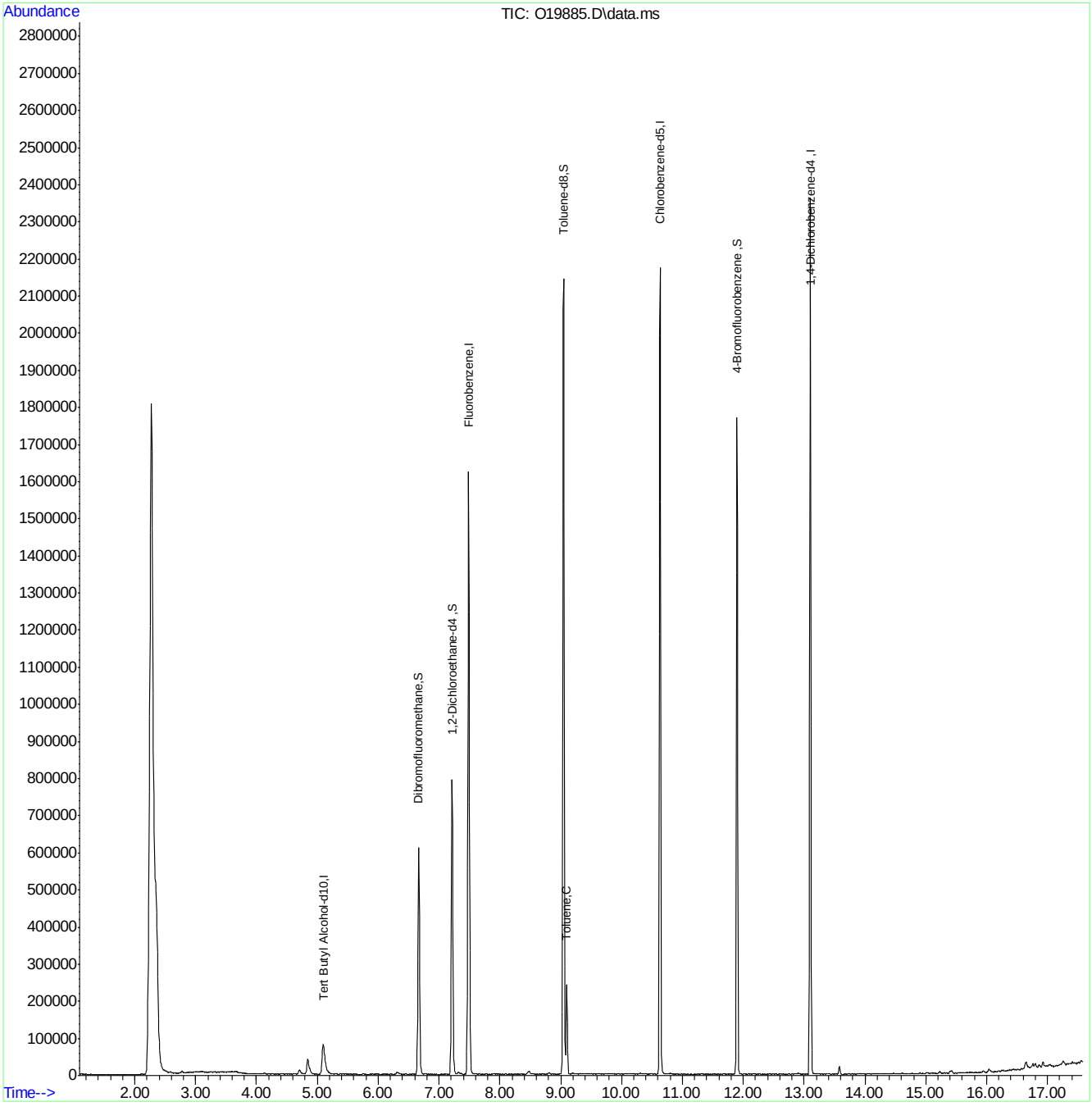
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1131564	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	841539	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	457915	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	120409	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	352630	49.27	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.54%			
46) 1,2-Dichloroethane-d4	7.214	65	548629	46.91	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 93.82%			
57) Toluene-d8	9.049	98	1076175	50.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.50%			
79) 4-Bromofluorobenzene	11.896	95	478380	50.06	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.12%			
Target Compounds						Qvalue
58) Toluene	9.098	91	129034	3.73	ug/L	96

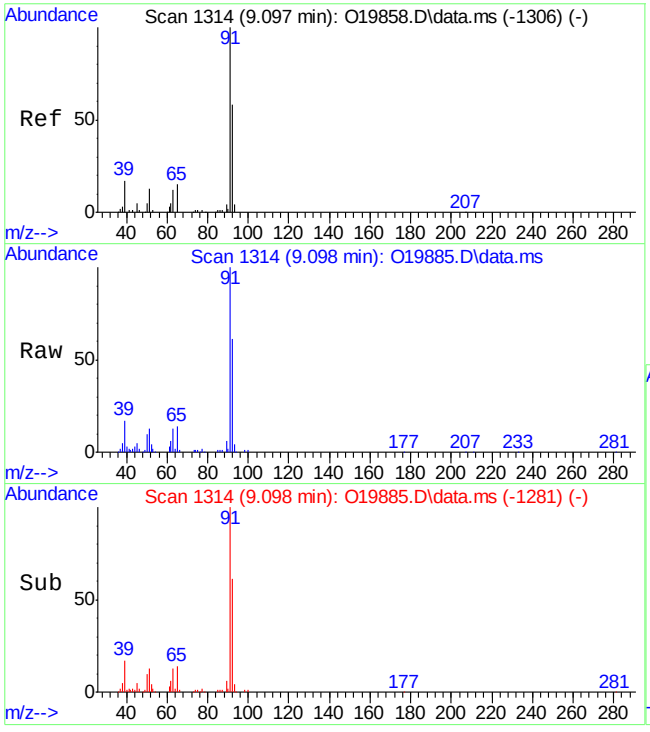
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19885.D
Acq On : 31 Oct 2013 9:27 pm
Operator : melissam
Sample : FA9297-39
Misc : MS25564,VO791,,,,,
ALS Vial : 22 Sample Multiplier: 1

Quant Time: Nov 01 11:26:35 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

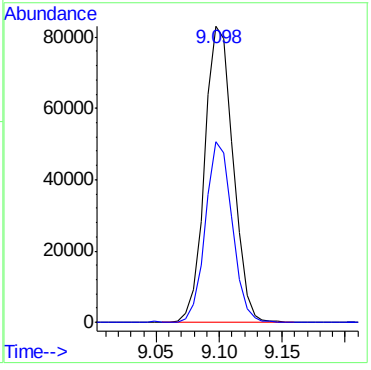




#58
Toluene
Concen: 3.73 ug/L
RT: 9.098 min Scan# 1314
Delta R.T. 0.000 min
Lab File: O19885.D
Acq: 31 Oct 2013 9:27 pm

Tgt Ion: 91 Resp: 129034

Ion	Ratio	Lower	Upper
91	100		
92	61.1	28.1	88.1



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19906.D
Acq On : 1 Nov 2013 3:29 pm
Operator : melissam
Sample : FA9297-40
Misc : MS25570,VO792,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 04 07:59:00 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

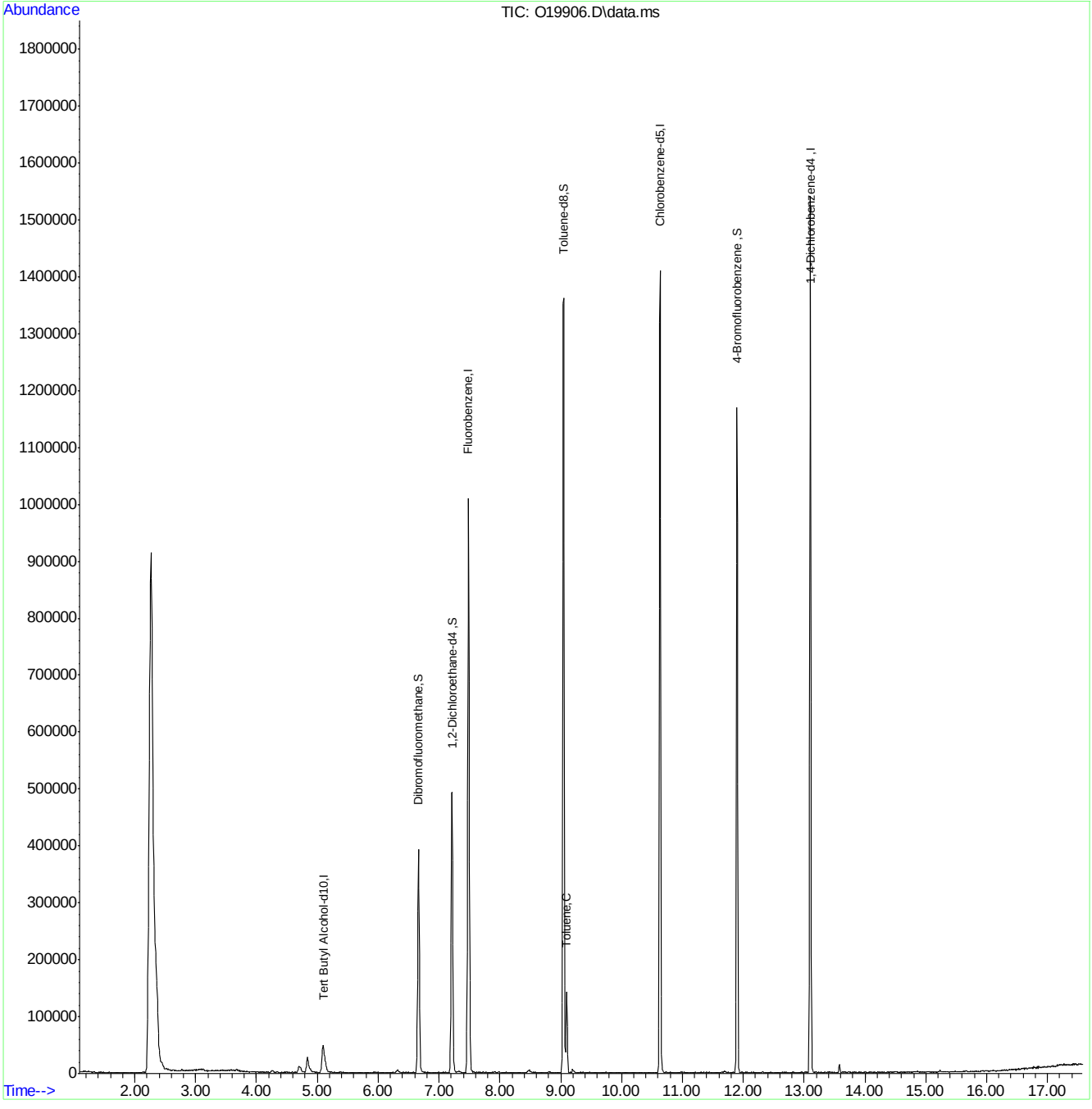
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.482	96	681719	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	515606	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	277892	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	63684	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	225532	51.70	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.40%			
46) 1,2-Dichloroethane-d4	7.214	65	371945	52.79	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 105.58%			
57) Toluene-d8	9.049	98	657296	50.13	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.26%			
79) 4-Bromofluorobenzene	11.896	95	297905	51.02	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 102.04%			
Target Compounds						Qvalue
58) Toluene	9.097	91	73539	3.47	ug/L	100

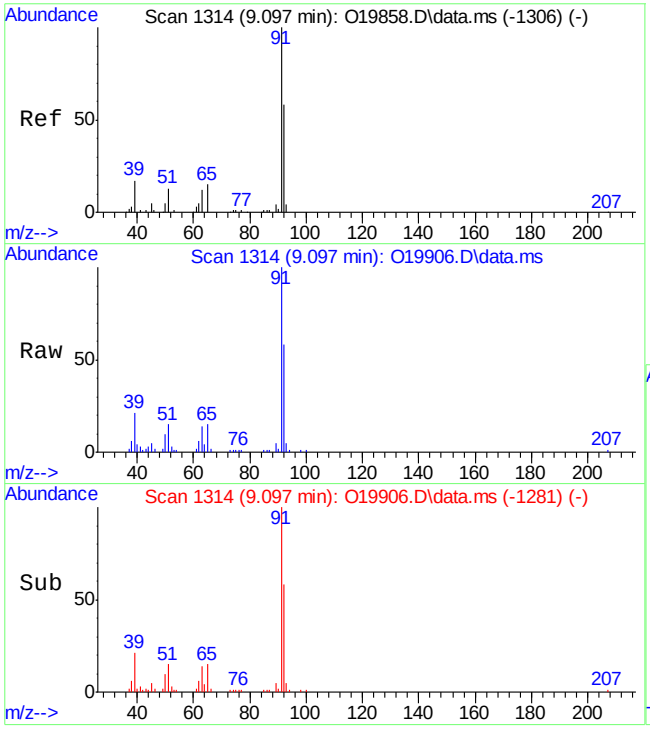
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19906.D
Acq On : 1 Nov 2013 3:29 pm
Operator : melissam
Sample : FA9297-40
Misc : MS25570,VO792,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Nov 04 07:59:00 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

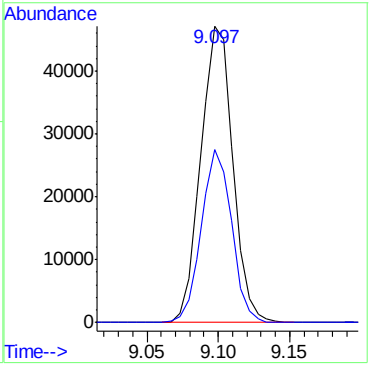




#58
Toluene
Concen: 3.47 ug/L
RT: 9.097 min Scan# 1314
Delta R.T. 0.000 min
Lab File: O19906.D
Acq: 1 Nov 2013 3:29 pm

Tgt Ion: 91 Resp: 73539

Ion	Ratio	Lower	Upper
91	100		
92	58.2	28.1	88.1



7.1.46

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15274.D
Acq On : 31 Oct 2013 8:20 pm
Operator : WILFREDO
Sample : FA9297-41
Misc : ms25560,vi196,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 01 09:46:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1184668	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	890625	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	418317	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.188	65	72421	250.00	ug/L	-0.02
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	320868	47.78	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.56%			
44) 1,2-Dichloroethane-d4	7.327	65	381229	49.95	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 99.90%			
55) Toluene-d8	9.144	98	1199160	51.06	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 102.12%			
77) 4-Bromofluorobenzene	11.918	174	318619	48.90	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.80%			

Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

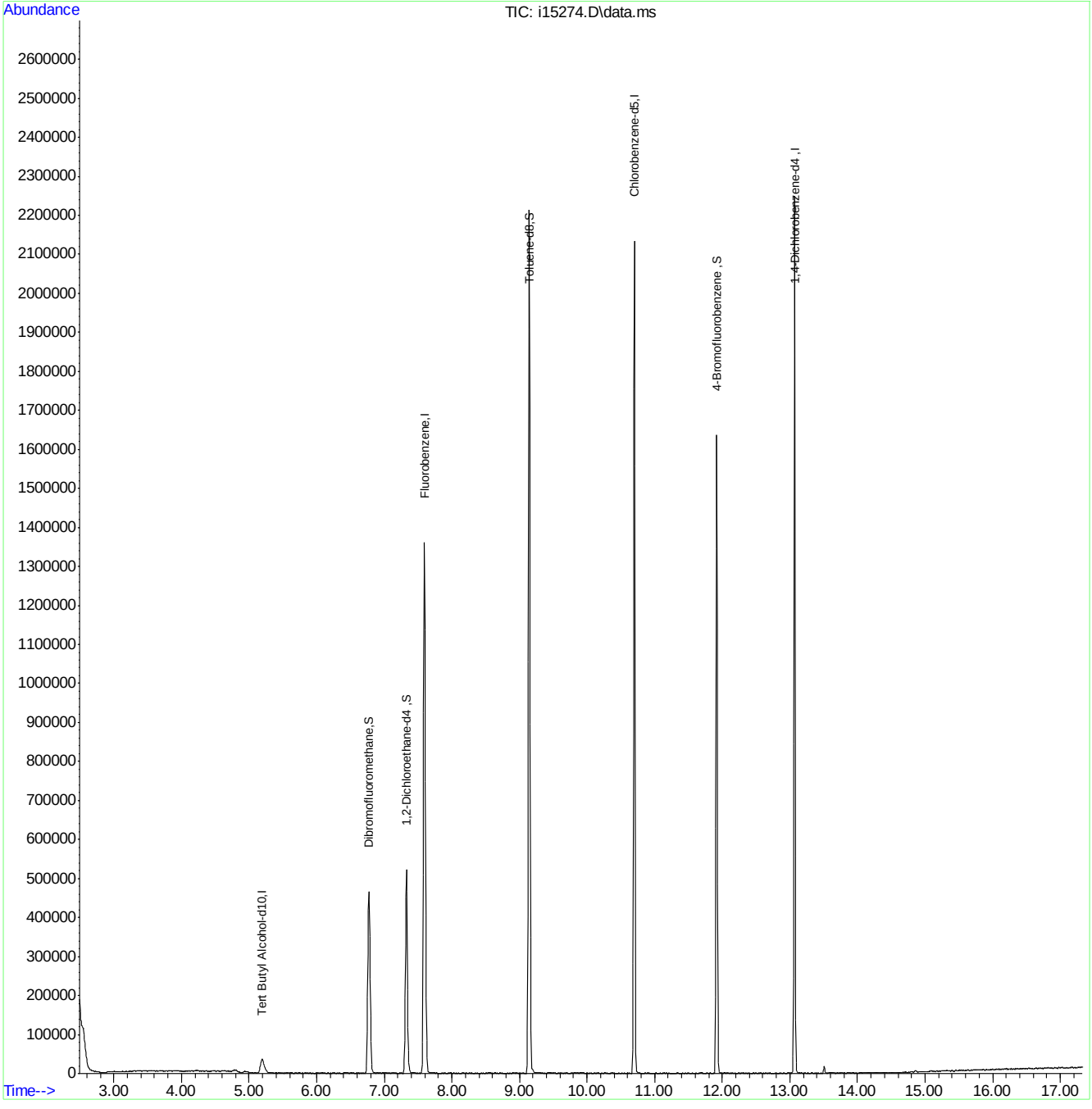
7.1.47

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15274.D
Acq On : 31 Oct 2013 8:20 pm
Operator : WILFREDO
Sample : FA9297-41
Misc : ms25560,vi196,,,,,
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Nov 01 09:46:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15254.D
Acq On : 31 Oct 2013 11:06 am
Operator : WILFREDO
Sample : mb
Misc : ms25522,vi196,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 17:01:58 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1567834	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1160745	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	553002	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.200	65	112547	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.779	113	424000	47.70	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.40%			
44) 1,2-Dichloroethane-d4	7.327	65	494573	48.96	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.92%			
55) Toluene-d8	9.144	98	1534605	50.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.28%			
77) 4-Bromofluorobenzene	11.918	174	427471	49.63	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.26%			

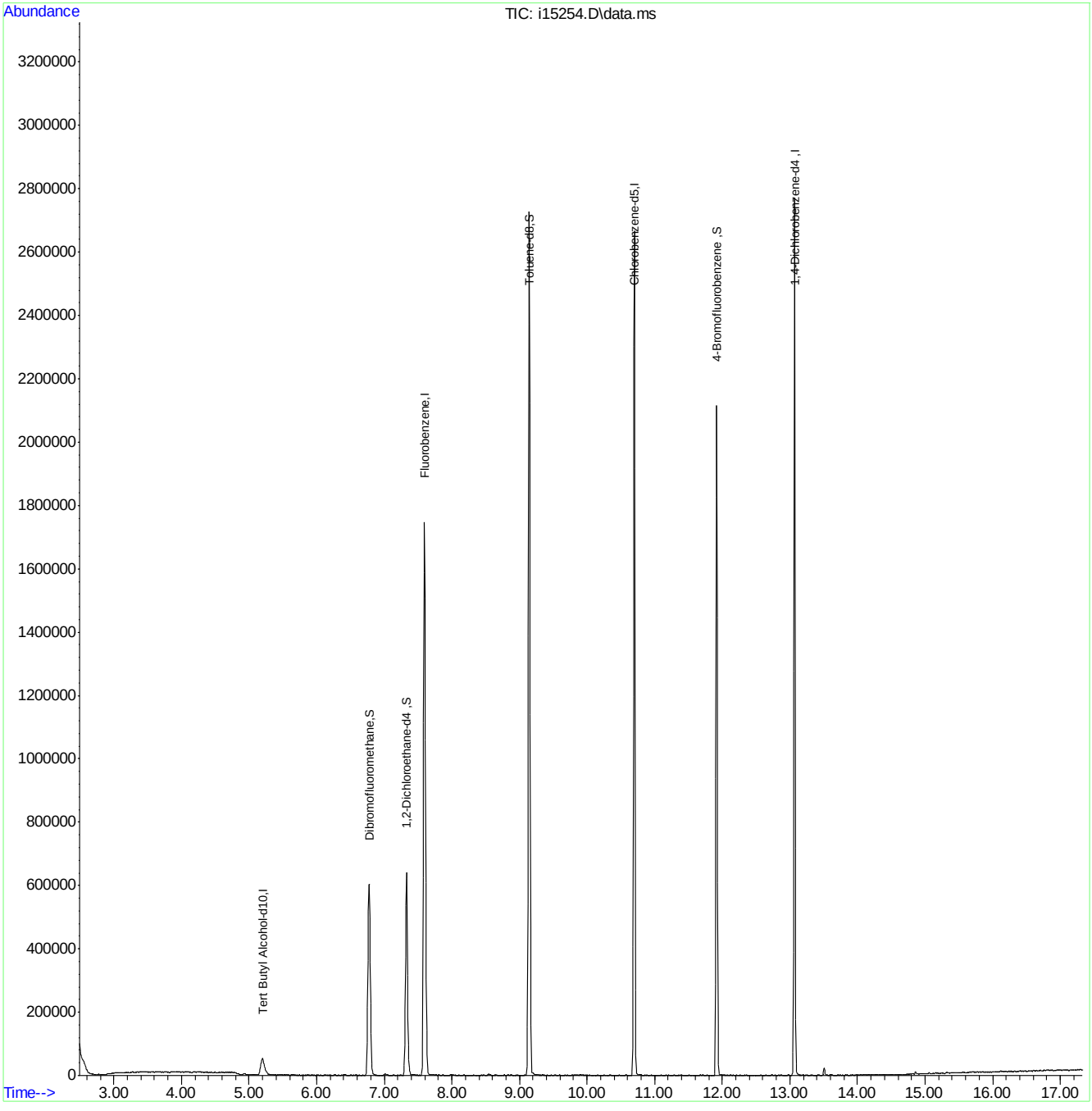
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15254.D
Acq On : 31 Oct 2013 11:06 am
Operator : WILFREDO
Sample : mb
Misc : ms25522,vi196,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 17:01:58 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19866.D
Acq On : 31 Oct 2013 2:32 pm
Operator : melissam
Sample : mb
Misc : MS25527,VO791,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 04 15:18:20 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1267108	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	948628	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	508892	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.111	65	132388	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.671	113	381631	47.95	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.90%			
46) 1,2-Dichloroethane-d4	7.214	65	586600	44.79	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 89.58%			
57) Toluene-d8	9.049	98	1211965	50.21	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.42%			
79) 4-Bromofluorobenzene	11.896	95	531563	50.06	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.12%			

Target Compounds Qvalue

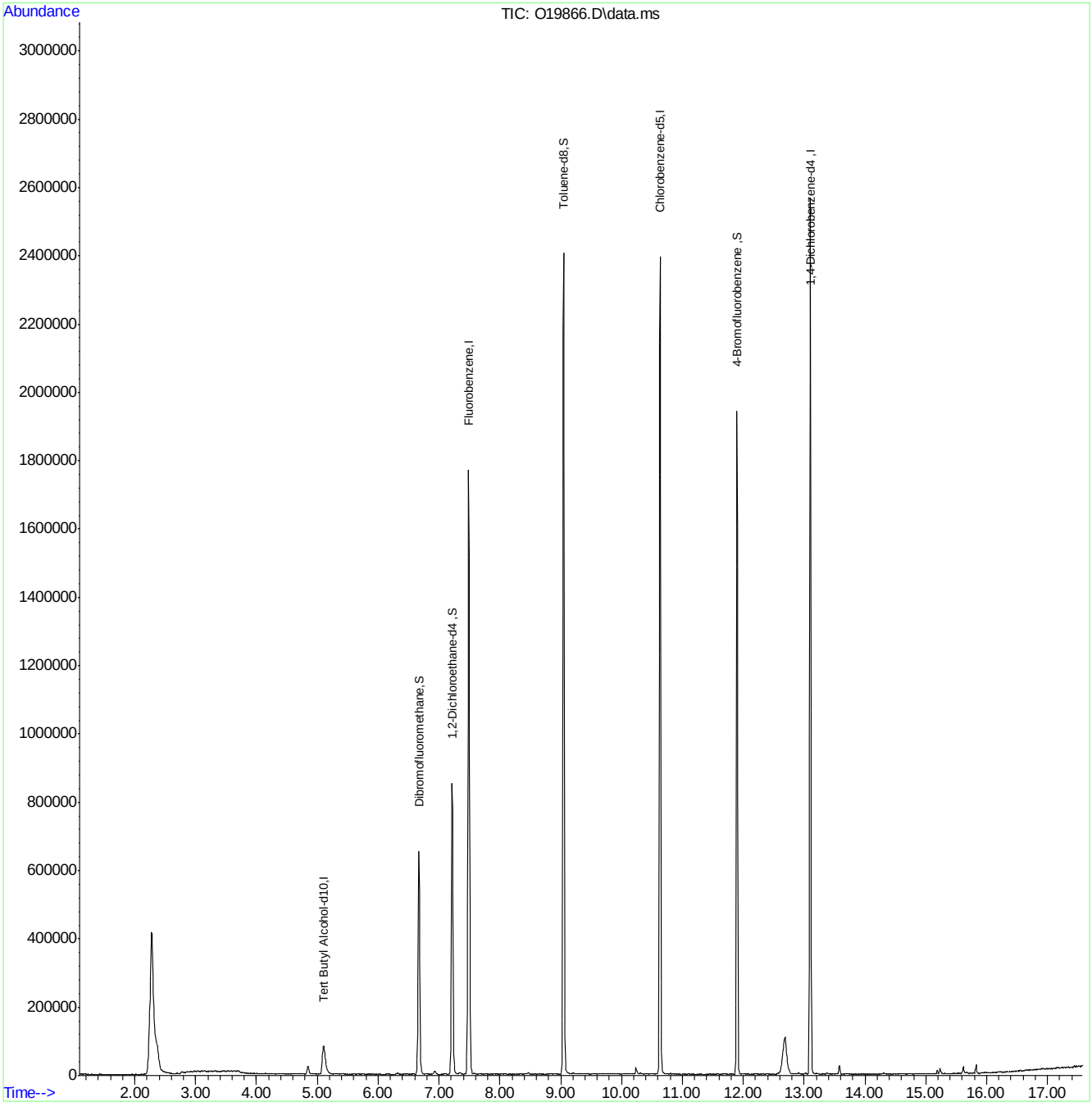
(#) = qualifier out of range (m) = manual integration (+) = signals summed

ACCUTEST LABORATORIES FA9297

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19866.D
Acq On : 31 Oct 2013 2:32 pm
Operator : melissam
Sample : mb
Misc : MS25527,VO791,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 04 15:18:20 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15280.D
Acq On : 1 Nov 2013 9:23 am
Operator : WILFREDO
Sample : mb
Misc : ms25560,vi197,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 01 11:05:11 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.595	96	1249822	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	933672	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	438565	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	83999	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.772	113	337698	47.66	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.32%			
44) 1,2-Dichloroethane-d4	7.327	65	393519	48.87	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.74%			
55) Toluene-d8	9.144	98	1233913	50.12	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.24%			
77) 4-Bromofluorobenzene	11.918	174	338180	49.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.00%			

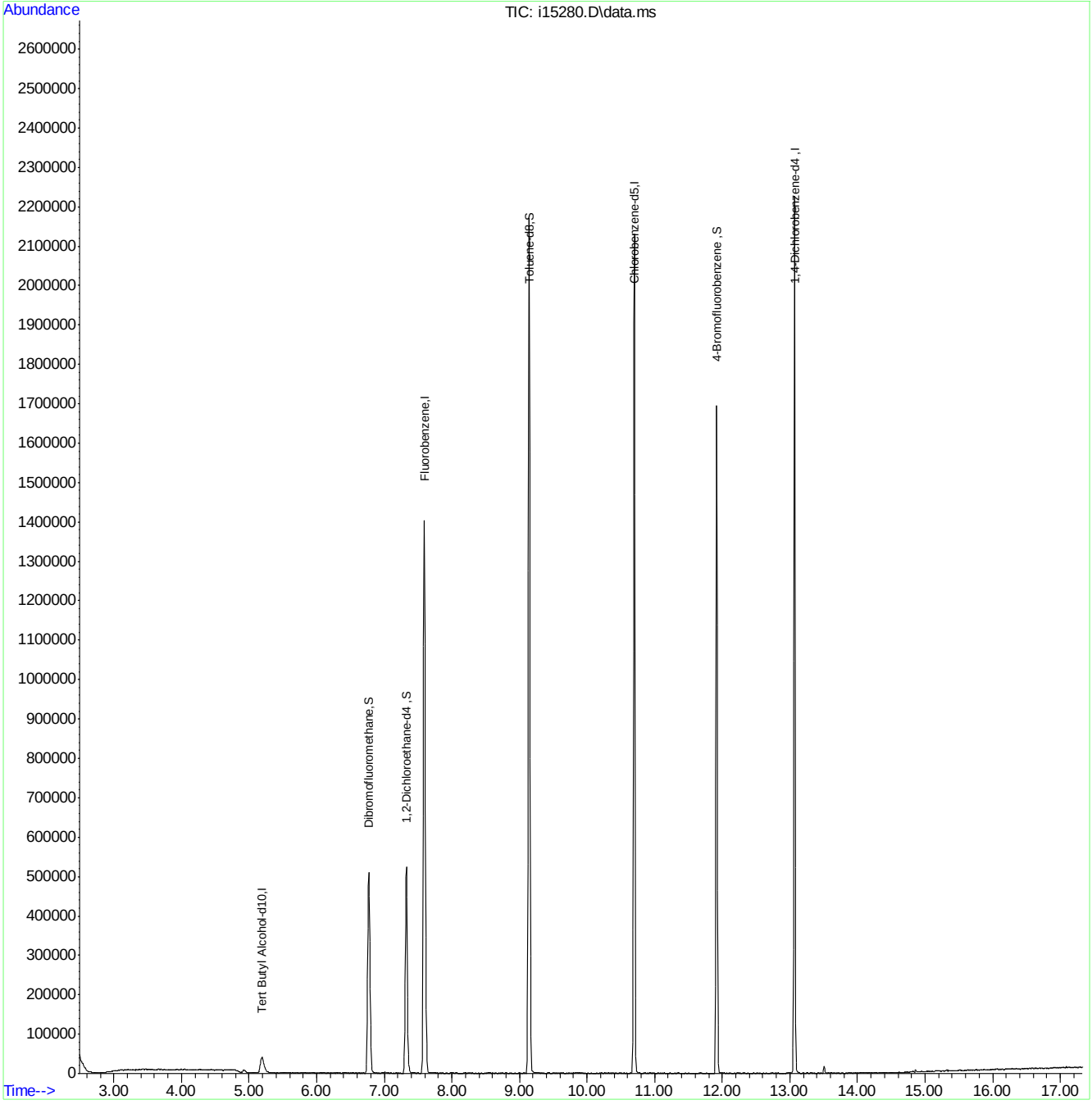
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15280.D
Acq On : 1 Nov 2013 9:23 am
Operator : WILFREDO
Sample : mb
Misc : ms25560,vi197,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 01 11:05:11 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19896.D
Acq On : 1 Nov 2013 10:30 am
Operator : melissam
Sample : MB
Misc : MS25564,VO792,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 04 07:38:39 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1028894	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	768262	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	419562	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	116470	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	328169	50.20	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.40%			
46) 1,2-Dichloroethane-d4	7.214	65	521198	49.01	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 98.02%			
57) Toluene-d8	9.049	98	976010	50.00	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.00%			
79) 4-Bromofluorobenzene	11.896	95	436826	49.94	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.88%			

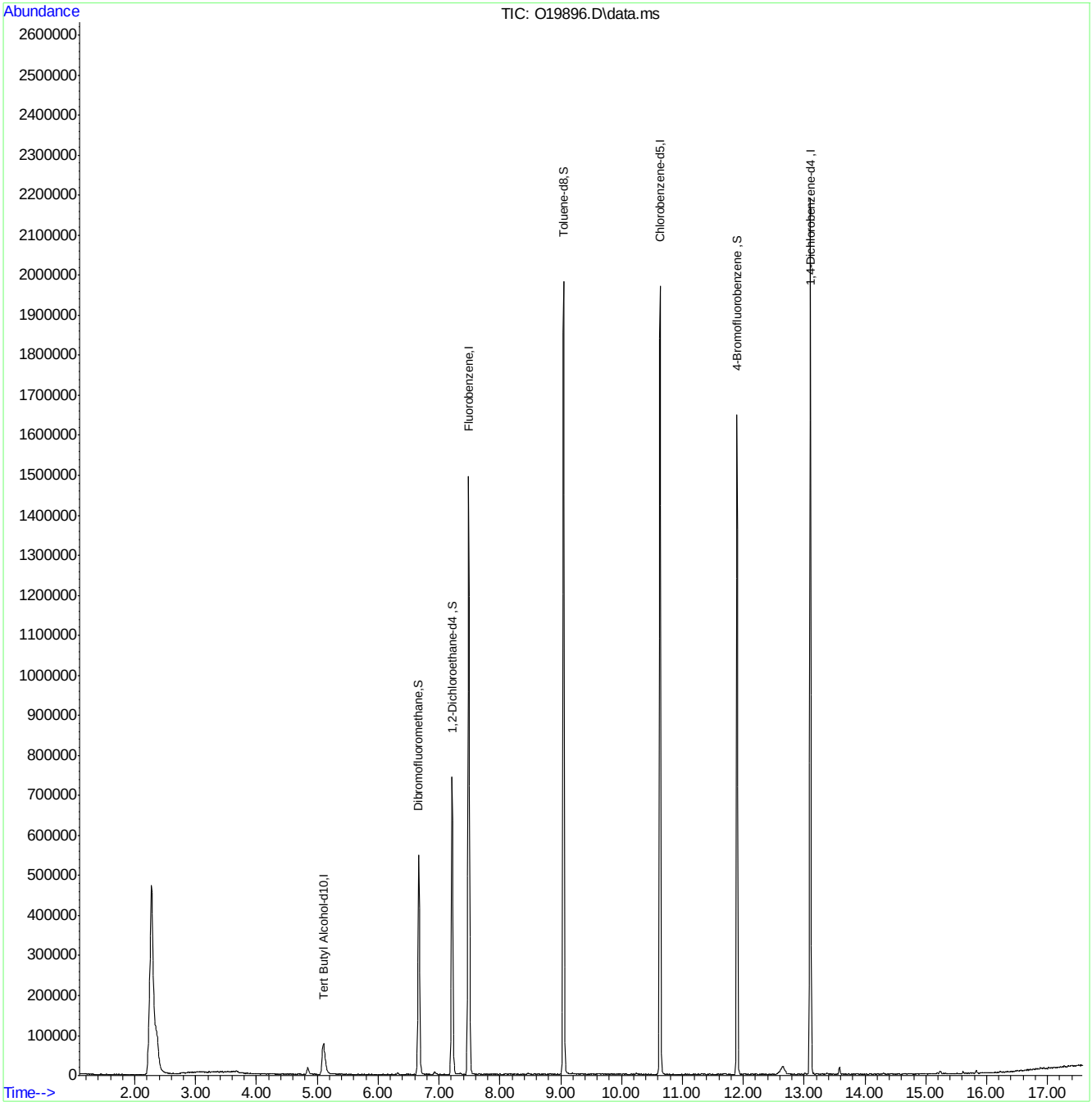
Target Compounds Qvalue

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19896.D
Acq On : 1 Nov 2013 10:30 am
Operator : melissam
Sample : MB
Misc : MS25564,VO792,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Nov 04 07:38:39 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On : 31 Oct 2013 10:42 am
Operator : WILFREDO
Sample : bs
Misc : ms25522,vi196,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 17:01:41 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.589	96	1586710	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.693	117	1243210	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	627069	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	121207	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.766	113	437892	48.68	ug/L	-0.01
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.36%			
44) 1,2-Dichloroethane-d4	7.321	65	481979	47.15	ug/L	-0.01
Spiked Amount 50.000	Range 79 - 125		Recovery = 94.30%			
55) Toluene-d8	9.138	98	1545565	47.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.28%			
77) 4-Bromofluorobenzene	11.918	174	449865	46.06	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.12%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	336734	41.73	ug/L #	61
3) Chloromethane	2.883	50	352253	27.71	ug/L	89
4) Vinyl Chloride	3.011	62	429752	28.95	ug/L	82
5) Bromomethane	3.413	94	313836	27.26	ug/L	98
6) Chloroethane	3.560	64	232544	27.70	ug/L #	100
7) Trichlorofluoromethane	3.743	101	582046m	25.23	ug/L	
8) Ethyl Ether	4.029	59	209254	24.20	ug/L #	75
9) 1,2-Dichlorotrifluoroe...	4.255	67	398236	28.04	ug/L	93
10) 1,1-Dichloroethene	4.291	61	496091	30.95	ug/L	66
11) Freon 113	4.346	101	351593	27.19	ug/L #	44
12) Carbon Disulfide	4.352	76	988357	26.11	ug/L	96
13) Iodomethane	4.474	142	583521	26.85	ug/L	75
14) Allyl chloride	4.797	41	345047	22.14	ug/L	86
15) Methylene Chloride	4.919	49	353450	28.14	ug/L	91
16) Acetone	4.968	43	252399	94.00	ug/L	83
17) Methyl acetate	5.072	43	601964m	92.61	ug/L	
18) trans-1,2-Dichloroethene	5.084	61	363234	28.06	ug/L	88
19) Hexane	5.139	56	182872m	28.77	ug/L	
20) Methyl Tert Butyl Ether	5.194	73	527874	23.51	ug/L	81
21) Acetonitrile	5.492	41	154788	190.48	ug/L	87
22) Di-isopropyl ether	5.565	45	705129	24.53	ug/L	93
23) Chloroprene	5.712	53	313599	24.32	ug/L #	96
24) 1,1-Dichloroethane	5.742	63	448900	27.23	ug/L	77
25) Acrylonitrile	5.803	53	291490	122.75	ug/L	84
26) ETBE	5.950	59	627392	23.87	ug/L	91
27) Vinyl acetate	5.968	43	1647558	131.59	ug/L	84
28) cis-1,2-Dichloroethene	6.309	96	253239	27.60	ug/L	81
29) 2,2-Dichloropropane	6.437	77	383050	31.05	ug/L	95
30) Bromochloromethane	6.523	128	114667	24.38	ug/L #	51
31) Cyclohexane	6.535	56	394583	29.17	ug/L #	44
32) Chloroform	6.577	83	464079	27.02	ug/L	75
33) Ethyl acetate	6.663	43	725086	111.10	ug/L	89
34) Tetrahydrofuran	6.754	42	43876	22.10	ug/L #	66

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On : 31 Oct 2013 10:42 am
Operator : WILFREDO
Sample : bs
Misc : ms25522,vi196,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 17:01:41 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	Carbon Tetrachloride	6.742	117	355985	29.78	ug/L		95
37)	1,1,1-Trichloroethane	6.815	97	400717	29.20	ug/L		89
38)	2-Butanone	6.888	43	367804m	104.19	ug/L		
39)	1,1-Dichloropropene	6.919	75	360470	30.79	ug/L		74
40)	Propionitrile	7.212	54	187597	184.68	ug/L		84
41)	Methacrylonitrile	7.230	41	989420	193.87	ug/L		92
42)	Benzene	7.181	78	943815	27.37	ug/L		75
43)	TAME	7.260	73	567389	22.92	ug/L		93
45)	1,2-Dichloroethane	7.388	62	316208	25.96	ug/L		76
46)	Trichloroethene	7.754	95	263667	27.94	ug/L	#	71
47)	Methylcyclohexane	7.754	83	414468	28.05	ug/L		88
48)	Dibromomethane	8.193	93	146729	25.61	ug/L		95
49)	1,2-Dichloropropane	8.291	63	244849	26.89	ug/L		80
50)	Bromodichloromethane	8.333	83	322164	27.00	ug/L	#	90
51)	Methyl methacrylate	8.443	41	125388	21.44	ug/L	#	66
52)	2-Chloroethyl vinyl ether	8.864	63	652296	128.96	ug/L	#	36
53)	cis-1,3-Dichloropropene	8.955	75	385763	27.40	ug/L	#	68
56)	Toluene	9.193	91	1023753	26.90	ug/L		92
57)	2-Nitropropane	9.437	41	171193	112.73	ug/L	#	74
58)	4-Methyl-2-pentanone	9.546	43	811797	120.83	ug/L		87
59)	trans-1,3-Dichloropropene	9.595	75	352761	29.30	ug/L		87
60)	Tetrachloroethene	9.577	166	260943	25.02	ug/L		91
61)	Ethyl methacrylate	9.705	69	188241	19.57	ug/L		85
62)	1,1,2-Trichloroethane	9.760	83	167284	25.32	ug/L		98
63)	Dibromochloromethane	9.949	129	231164	27.38	ug/L		87
64)	1,3-Dichloropropane	10.040	76	337331	25.77	ug/L		75
65)	1,2-Dibromoethane	10.211	107	196433	26.64	ug/L		93
66)	2-hexanone	10.369	43	564003	112.30	ug/L		90
67)	1-Chlorohexane	10.650	91	322243	26.39	ug/L	#	72
68)	Ethylbenzene	10.711	91	1262085	27.35	ug/L		89
69)	Chlorobenzene	10.711	112	730232	28.48	ug/L		90
70)	1,1,1,2-Tetrachloroethane	10.766	131	237337	27.94	ug/L	#	73
71)	m,p-Xylene	10.851	91	1916454	59.11	ug/L		94
72)	o-Xylene	11.296	91	893101	30.28	ug/L		91
73)	Styrene	11.351	104	682447	26.78	ug/L		86
74)	Bromoform	11.406	173	125522	24.86	ug/L		88
75)	Isopropylbenzene	11.601	105	1126848	30.77	ug/L		81
78)	cis-1,4-Dichloro-2-butene	11.967	53	40433	22.04	ug/L	#	67
79)	n-Propylbenzene	12.022	91	1435939	30.48	ug/L		85
80)	Bromobenzene	12.040	156	291135	25.87	ug/L		82
81)	1,1,2,2-Tetrachloroethane	12.101	83	239533	24.18	ug/L	#	46
82)	1,3,5-Trimethylbenzene	12.211	105	986826	27.20	ug/L		94
83)	2-Chlorotoluene	12.211	91	959213	28.69	ug/L		96
84)	trans-1,4-Dichloro-2-B...	12.284	53	48503	25.52	ug/L		92
85)	1,2,3-Trichloropropane	12.259	110	63528	24.15	ug/L		68
86)	Cyclohexanone	12.326	55	26371	106.48	ug/L	#	69
87)	4-Chlorotoluene	12.381	91	841678	30.21	ug/L		76
88)	tert-Butylbenzene	12.552	91	548615	30.24	ug/L		96
89)	1,2,4-Trimethylbenzene	12.619	105	974058	27.17	ug/L		97
90)	Pentachloroethane	12.601	167	131954	25.25	ug/L	#	57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On : 31 Oct 2013 10:42 am
Operator : WILFREDO
Sample : bs
Misc : ms25522,vi196,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 17:01:41 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	sec-Butylbenzene	12.735	105	1295276	31.52	ug/L		97
92)	4-Isopropyltoluene	12.869	119	1035734	30.61	ug/L		86
93)	1,3-Dichlorobenzene	12.997	146	528521	28.46	ug/L		75
94)	1,4-Dichlorobenzene	13.082	146	569575	26.05	ug/L		79
95)	n-Butylbenzene	13.308	92	594043	27.57	ug/L		93
96)	Benzyl Chloride	13.332	126	73701	22.21	ug/L	#	1
97)	1,2-Dichlorobenzene	13.515	146	493092	27.81	ug/L		91
98)	1,2-Dibromo-3-Chloropr...	14.277	75	32074	24.96	ug/L	#	54
99)	Hexachlorobutadiene	14.820	225	172136	29.89	ug/L		84
100)	1,2,4-Trichlorobenzene	14.869	180	328352	27.30	ug/L		87
101)	Naphthalene	15.161	128	617814	26.96	ug/L		98
102)	1,2,3-Trichlorobenzene	15.326	180	284881	27.94	ug/L		87
104)	Ethanol	4.200	45	38118m	460.16	ug/L		
105)	Acrolein	4.657	56	161435	114.18	ug/L		91
106)	Tert Butyl Alcohol	5.273	59	133496	232.61	ug/L	#	100
107)	Isobutyl alcohol	7.321	42	62268	347.69	ug/L	#	39
108)	Tert Amyl Alcohol	7.431	59	104114	225.21	ug/L		55
109)	1,4-Dioxane	8.522	88	28663	484.27	ug/L		81

(#) = qualifier out of range (m) = manual integration (+) = signals summed

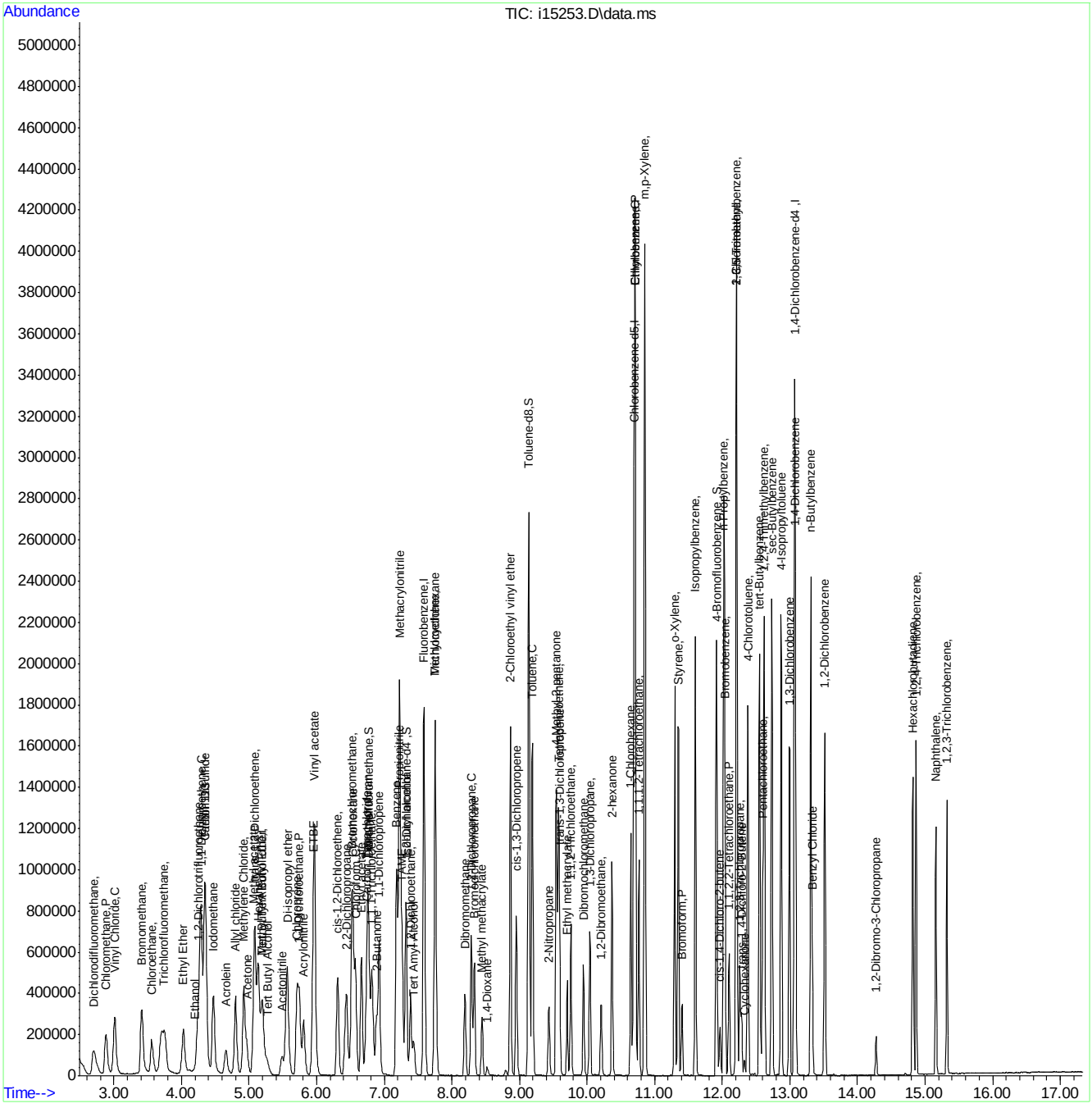
7.3.1

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On : 31 Oct 2013 10:42 am
Operator : WILFREDO
Sample : bs
Misc : ms25522,vi196,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 17:01:41 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Manual Integration Approval Summary

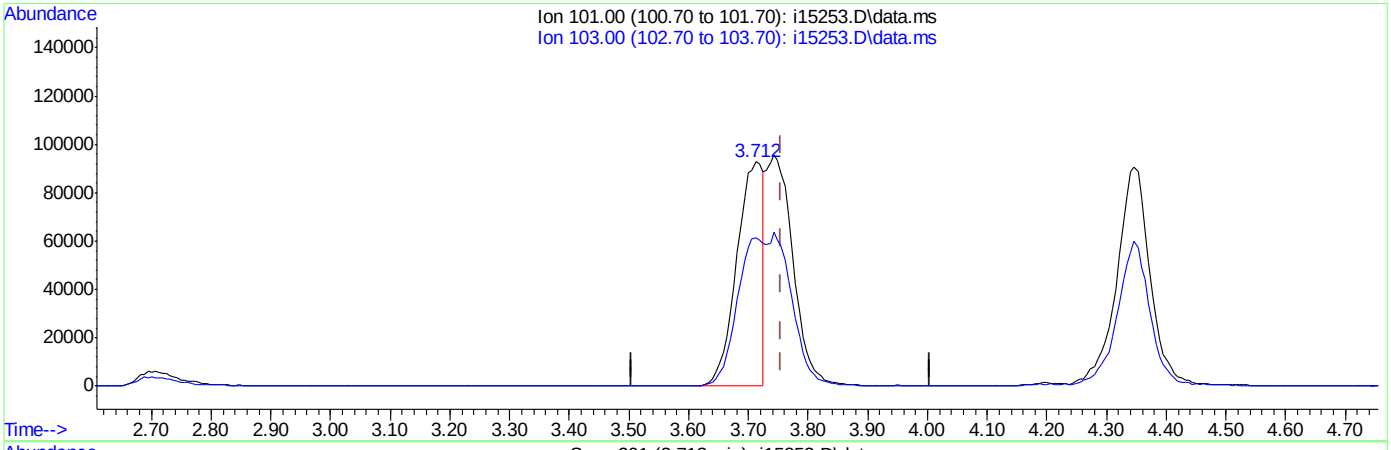
Sample Number:	VI196-BS	**Method:**	SW846 8260B
Lab FileID:	I15253.D	**Analyst approved:**	11/01/13 09:52 Wilfredo Vazquez
Injection Time:	10/31/13 10:42	**Supervisor approved:**	11/01/13 11:20 Juan Garcia

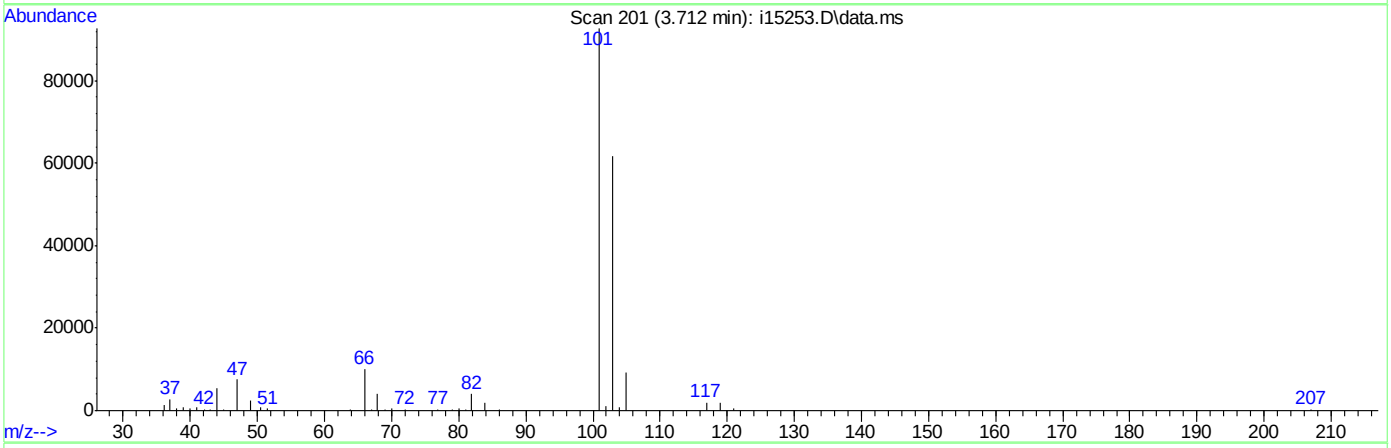
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.74	Split peak
Ethyl Alcohol	64-17-5		4.20	Missed peak
Methyl Acetate	79-20-9		5.07	Overlapping peak
Hexane	110-54-3		5.14	Overlapping peak
Methyl ethyl ketone	78-93-3		6.89	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On : 31 Oct 2013 10:42 am
Operator : WILFREDO
Sample : bs
Misc : ms25522,vi196,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 16:56:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15253.D\data.ms

(7) Trichlorofluoromethane ( )

3.712min (-0.043) 12.44ug/L

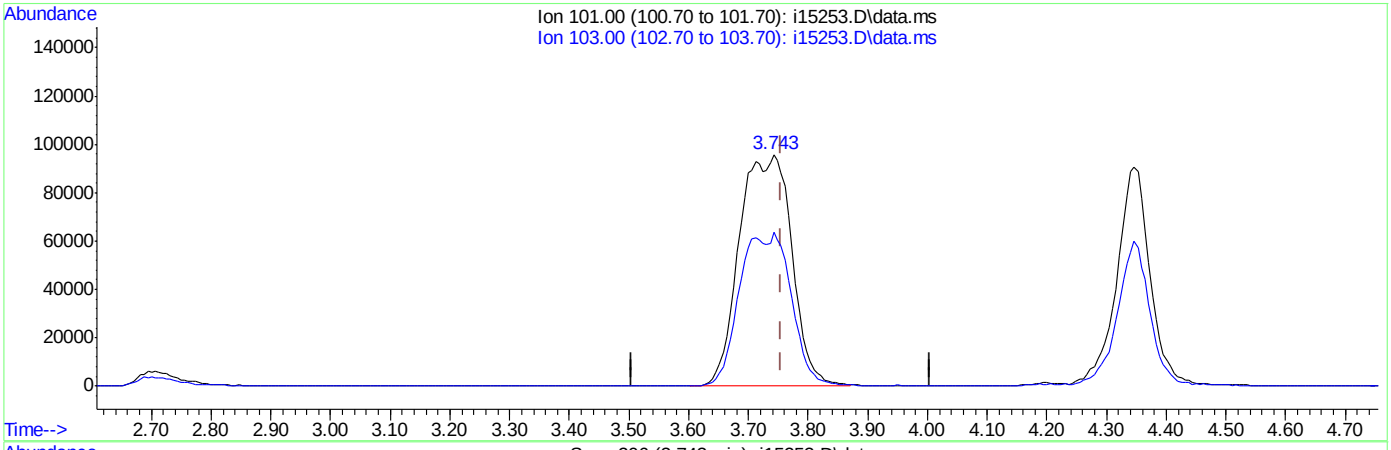
response 284088

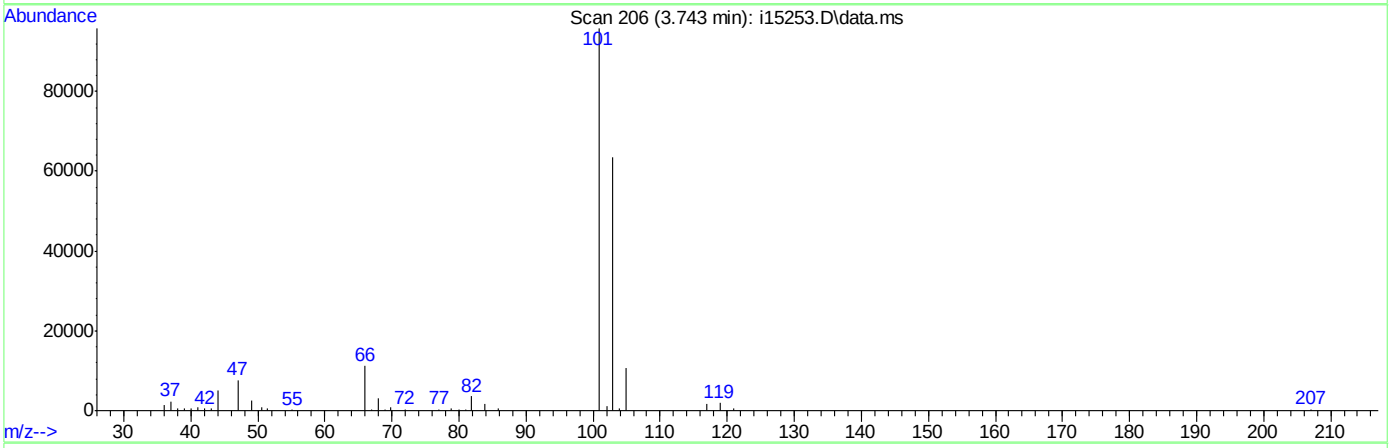
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	66.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On    : 31 Oct 2013  10:42 am
Operator  : WILFREDO
Sample    : bs
Misc      : ms25522,vi196,,,,,
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Oct 31 16:56:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
```





TIC: i15253.D\data.ms

(7) Trichlorofluoromethane ( )

3.743min (-0.012) 25.23ug/L m

response 582046

Ion	Exp%	Act%
101.00	100	100
103.00	43.30	66.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On    : 31 Oct 2013  10:42 am
Operator  : WILFREDO
Sample    : bs
Misc      : ms25522,vi196,,,,,
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Oct 31 16:56:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
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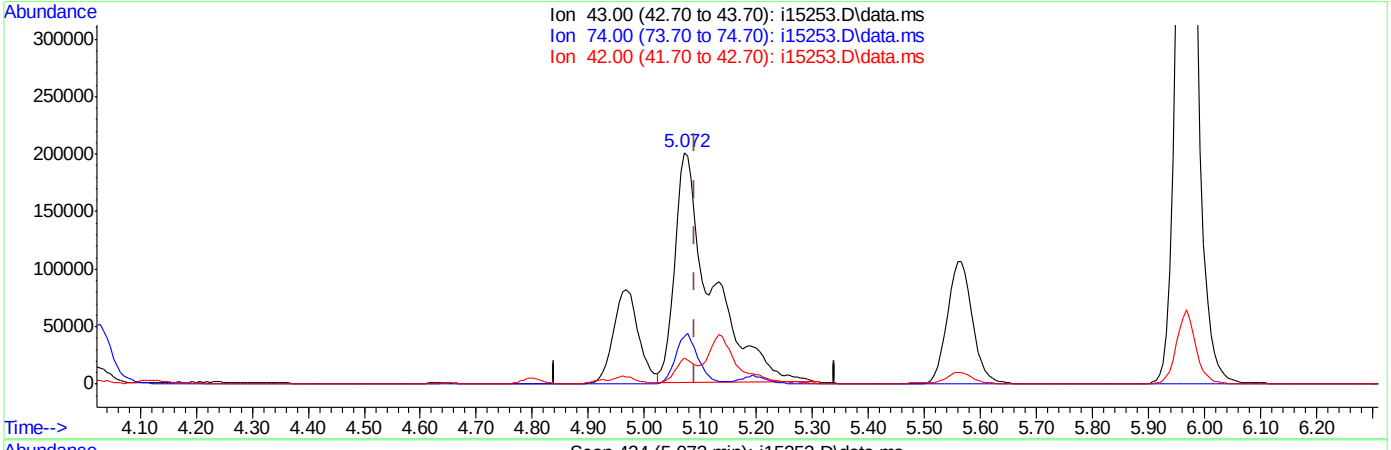
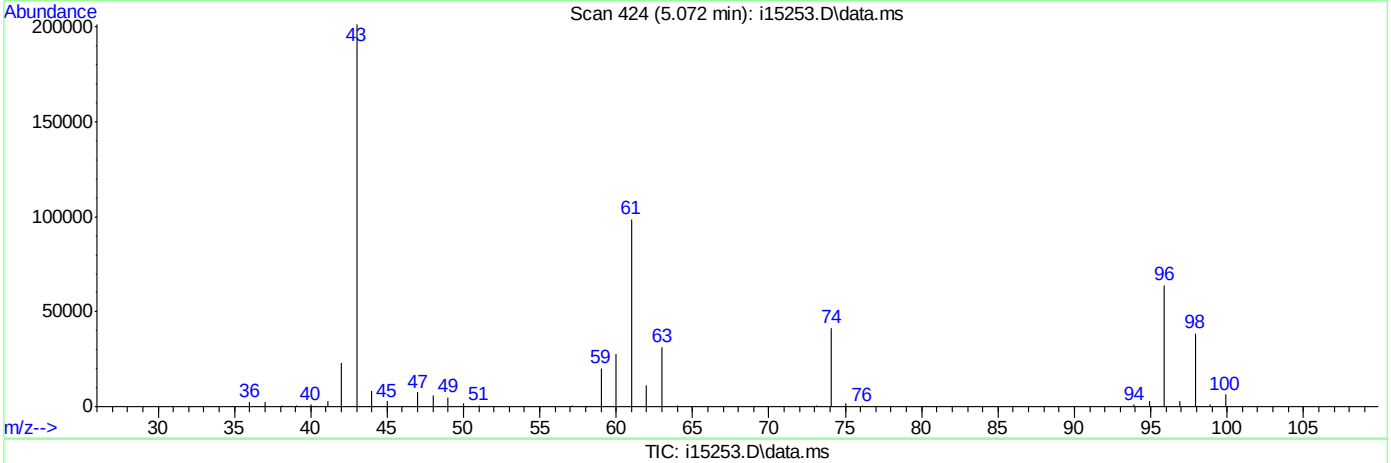




(17) Methyl acetate

5.072min (-0.018) 139.03ug/L

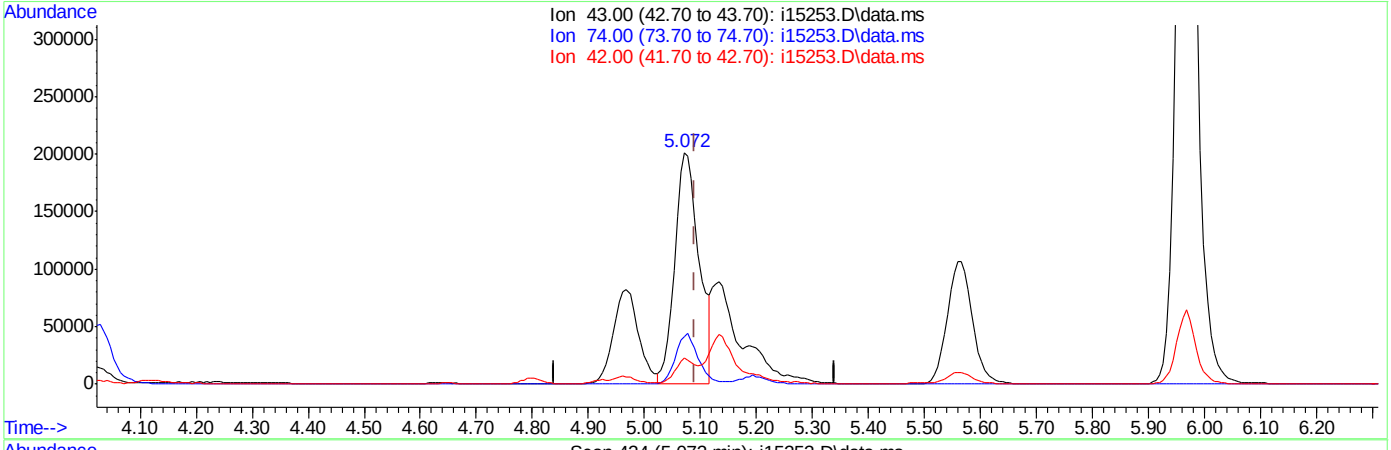
response 911886

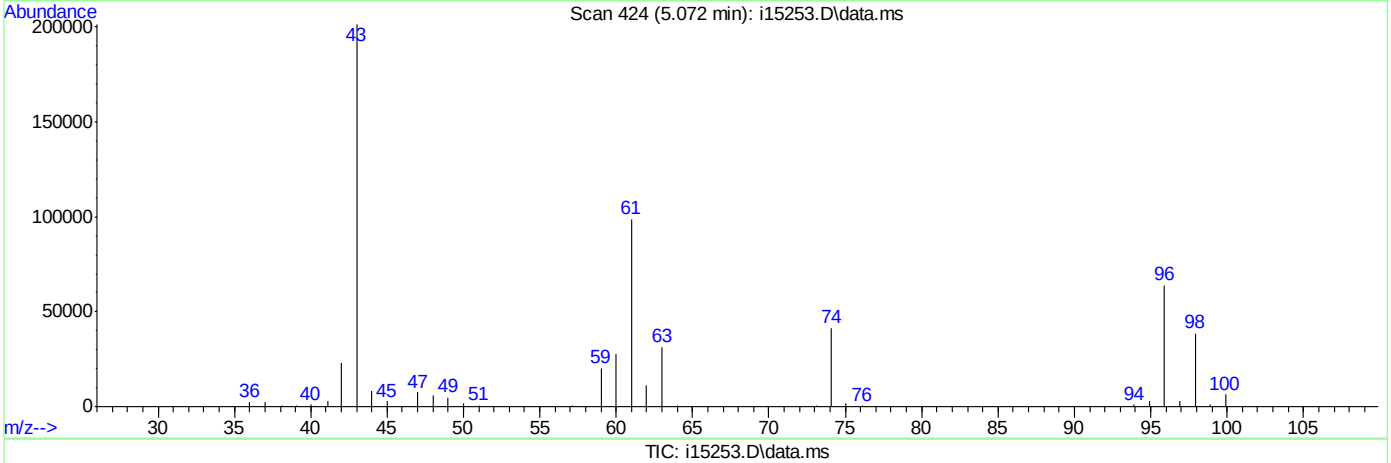
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	20.89
42.00	14.70	11.16
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On : 31 Oct 2013 10:42 am
Operator : WILFREDO
Sample : bs
Misc : ms25522,vi196,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 16:56:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15253.D\data.ms

(17) Methyl acetate

5.072min (-0.018) 92.61ug/L m

response 601964

Ion	Exp%	Act%
43.00	100	100
74.00	26.50	20.61
42.00	14.70	11.33
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On    : 31 Oct 2013  10:42 am
Operator  : WILFREDO
Sample    : bs
Misc      : ms25522,vi196,,,,,
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Oct 31 16:56:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
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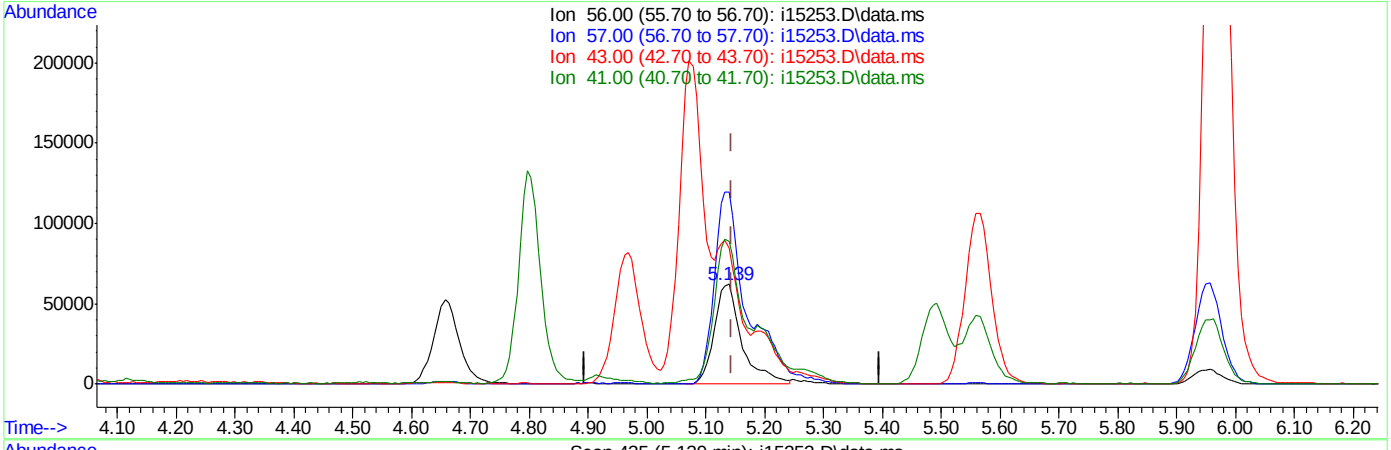

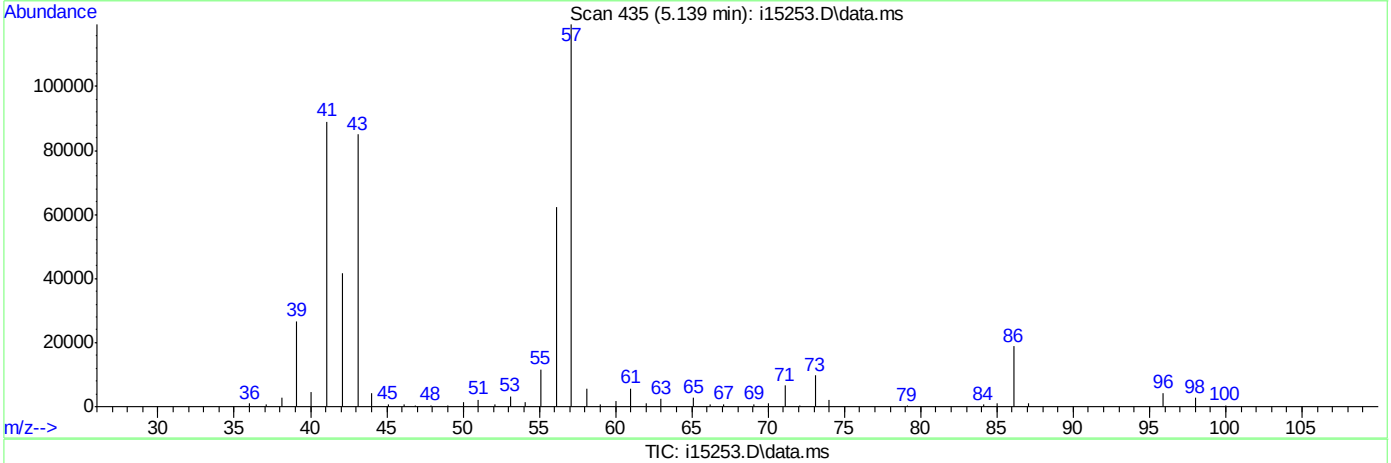

TIC: i15253.D\data.ms

(19) Hexane

5.139min (-0.006) 31.97ug/L

response 203251

Ion	Exp%	Act%
56.00	100	100
57.00	157.00	191.60#
43.00	185.00	123.52#
41.00	125.10	138.92

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On    : 31 Oct 2013  10:42 am
Operator  : WILFREDO
Sample    : bs
Misc      : ms25522,vi196,,,,,
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Oct 31 16:56:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
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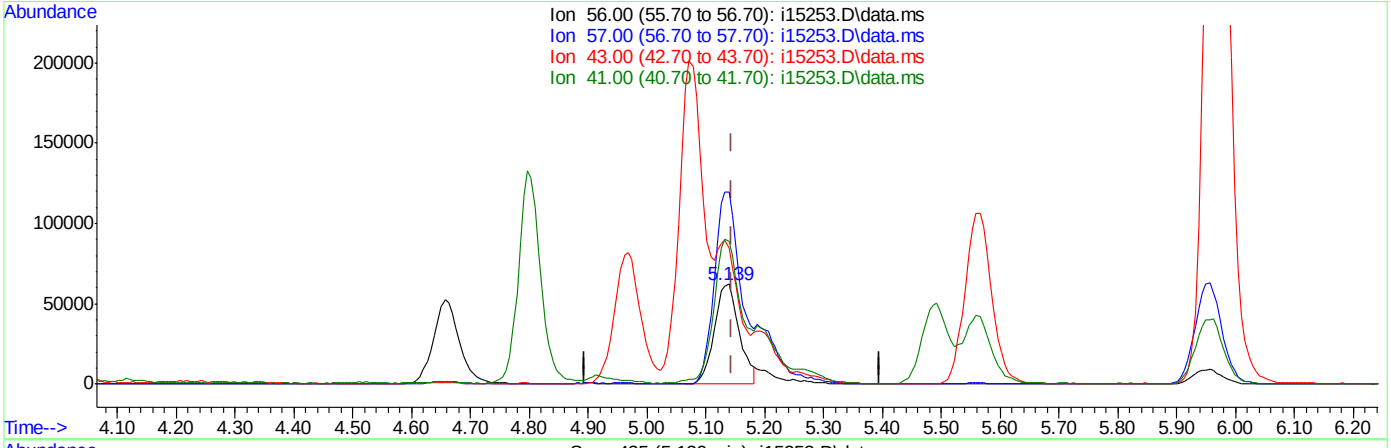
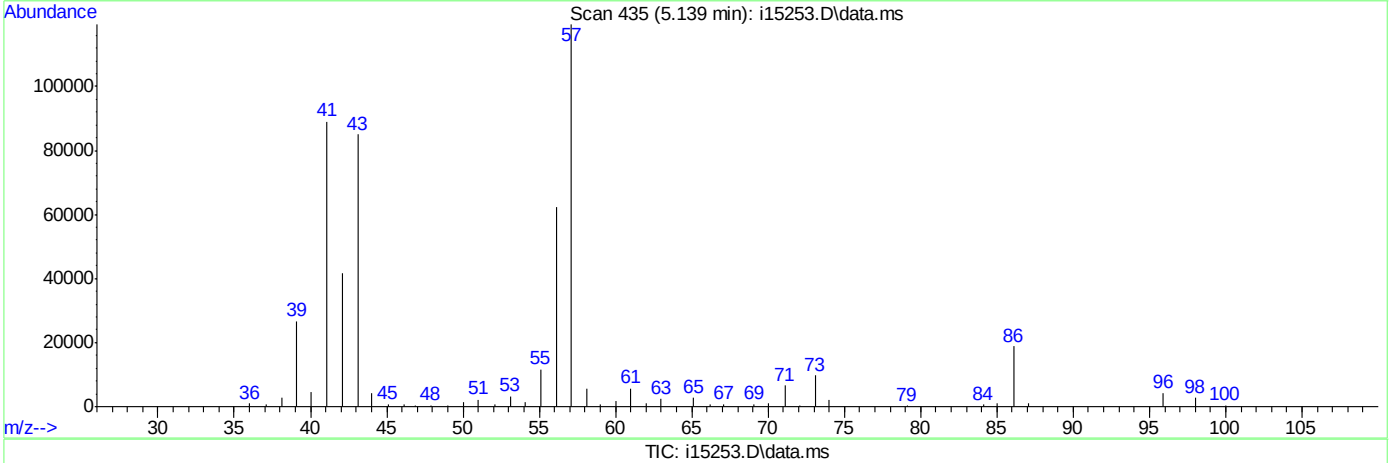




TIC: i15253.D\data.ms

(19) Hexane

5.139min (-0.006) 28.77ug/L m

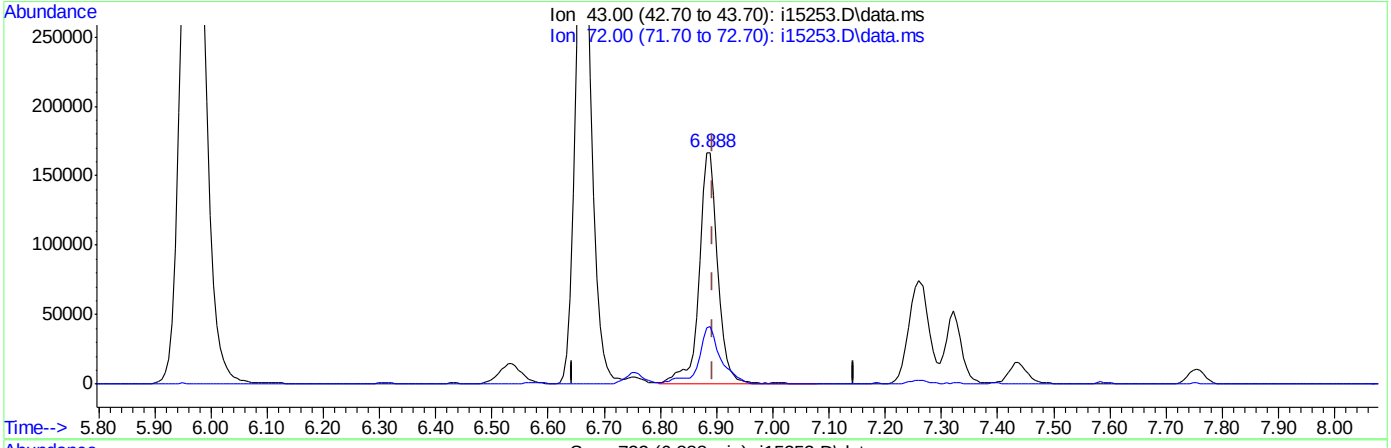
response 182872

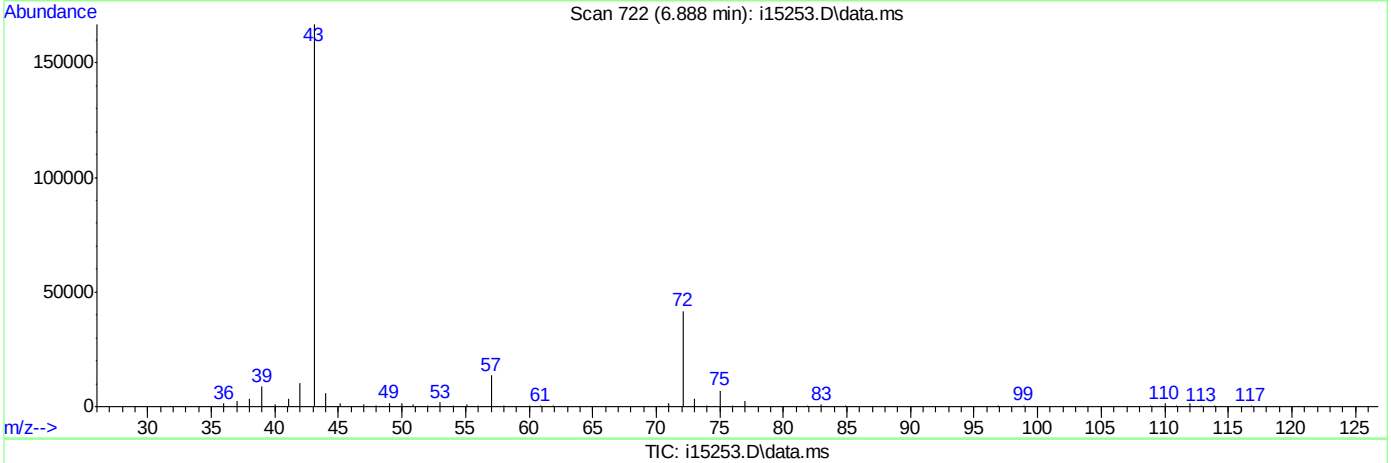
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	191.60#
43.00	185.00	136.52#
41.00	125.10	142.89

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On : 31 Oct 2013 10:42 am
Operator : WILFREDO
Sample : bs
Misc : ms25522,vi196,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 16:56:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15253.D\data.ms

(38) 2-Butanone

6.888min (-0.006) 111.22ug/L

response 392622

Ion	Exp%	Act%
43.00	100	100
72.00	38.90	25.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On    : 31 Oct 2013  10:42 am
Operator  : WILFREDO
Sample    : bs
Misc      : ms25522,vi196,,,,,
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Oct 31 16:56:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
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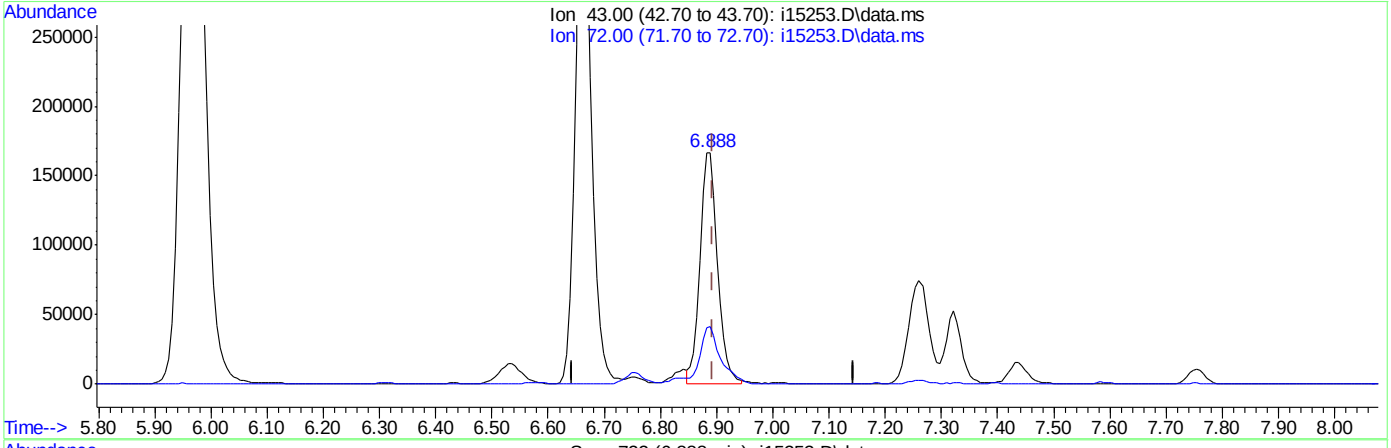
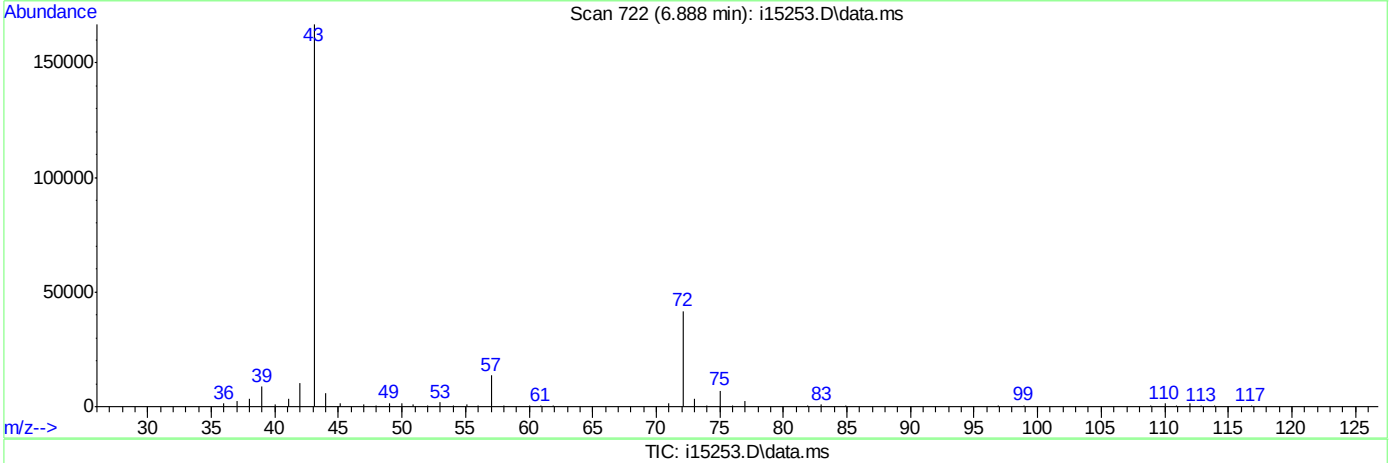




TIC: i15253.D\data.ms

(38) 2-Butanone

6.888min (-0.006) 104.19ug/L m

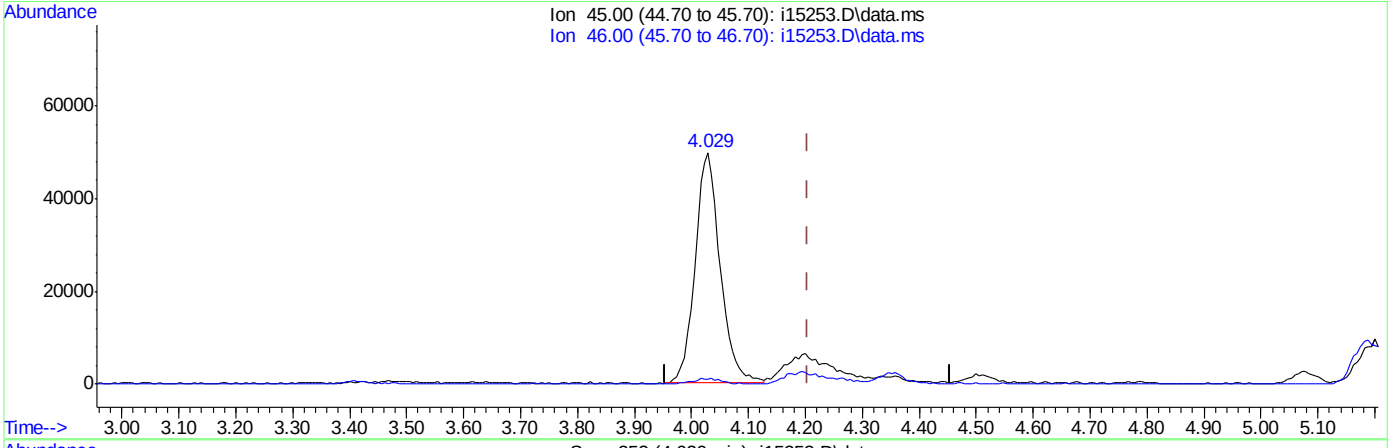
response 367804

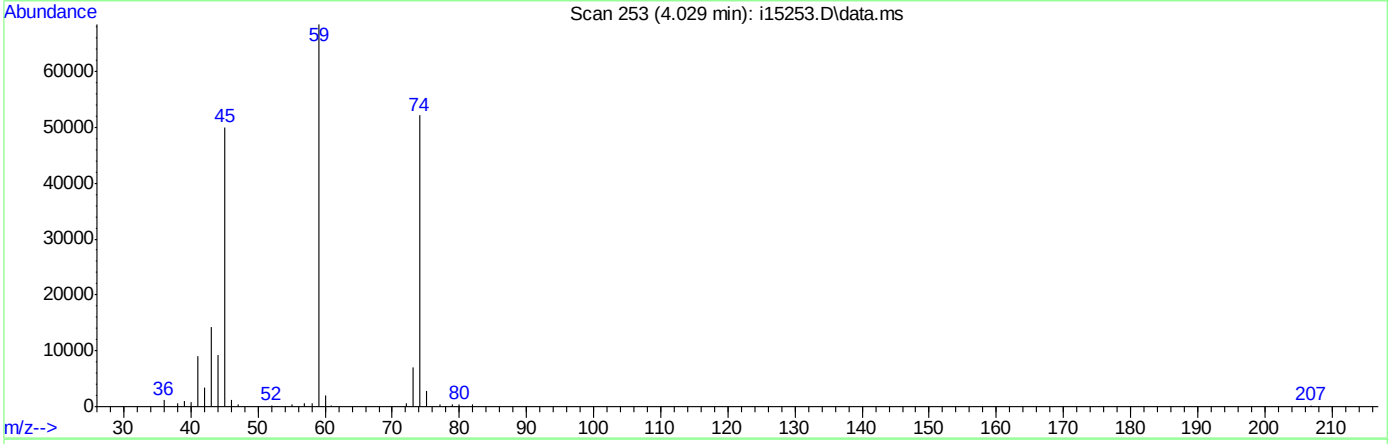
Ion	Exp%	Act%
43.00	100	100
72.00	38.90	25.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On : 31 Oct 2013 10:42 am
Operator : WILFREDO
Sample : bs
Misc : ms25522,vi196,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 16:56:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15253.D\data.ms

(104) Ethanol

4.029min (-0.177) 1837.87ug/L

response 152242

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.26
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103113\
Data File : i15253.D
Acq On    : 31 Oct 2013  10:42 am
Operator  : WILFREDO
Sample    : bs
Misc      : ms25522,vi196,,,,,
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Oct 31 16:56:19 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
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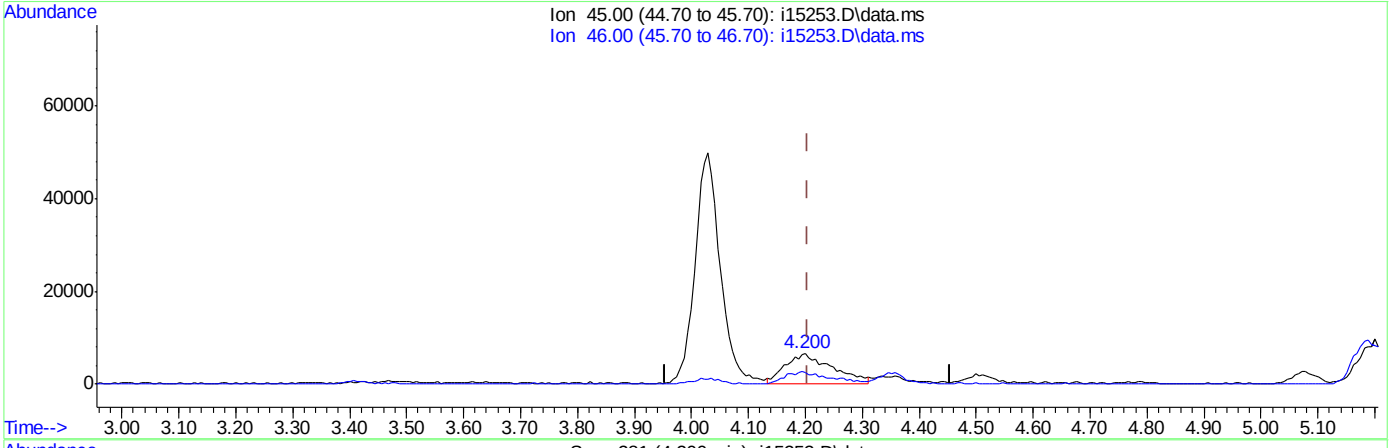
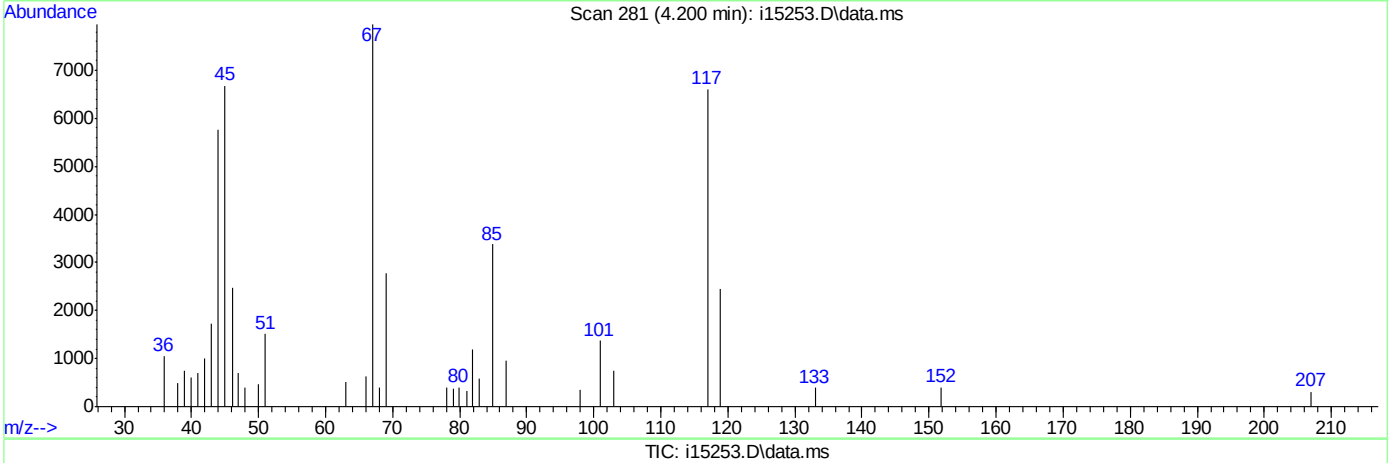




TIC: i15253.D\data.ms

(104) Ethanol

4.200min (-0.006) 460.16ug/L m

response 38118

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	37.23#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19865.D
Acq On : 31 Oct 2013 2:11 pm
Operator : melissam
Sample : bs
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 14:30:00 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1337276	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	1005025	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	546544	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	149489	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	402989	47.97	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.94%			
46) 1,2-Dichloroethane-d4	7.214	65	615381	44.52	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 89.04%			
57) Toluene-d8	9.049	98	1289645	50.38	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.76%			
79) 4-Bromofluorobenzene	11.896	95	572652	50.17	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.34%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.544	85	425646	39.70	ug/L	97
3) Chloromethane	2.745	50	663203	26.98	ug/L	99
4) 1,3-Butadiene	2.879	54	68867	4.68	ug/L	95
5) Vinyl Chloride	2.879	62	389754	28.88	ug/L	98
6) Bromomethane	3.294	94	164413	25.92	ug/L	95
7) Chloroethane	3.452	64	157202	23.91	ug/L	96
8) Trichlorofluoromethane	3.659	101	433333	20.37	ug/L	100
9) Ethyl Ether	3.952	59	266855	22.63	ug/L	97
10) 1,2-Dichlorotrifluoroe...	4.184	67	352152	25.71	ug/L	96
11) 1,1-Dichloroethene	4.208	61	594676	26.83	ug/L	98
12) Freon 113	4.269	101	291542	23.62	ug/L	96
13) Carbon Disulfide	4.263	76	780598	21.12	ug/L	97
14) Iodomethane	4.385	142	419028	22.57	ug/L	100
15) Allyl chloride	4.720	41	573494	23.53	ug/L	98
16) Methylene Chloride	4.842	49	659659	25.34	ug/L	99
17) Acetone	4.879	58	139824	139.55	ug/L	88
18) Methyl acetate	4.995	74	139784	93.58	ug/L #	88
19) trans-1,2-Dichloroethene	5.007	61	550389	25.31	ug/L	98
20) Hexane	5.074	56	325548m	24.57	ug/L	
21) Methyl Tert Butyl Ether	5.116	73	671255	21.88	ug/L	98
22) Acetonitrile	5.379	40	199045m	217.27	ug/L	
23) Di-isopropyl ether	5.488	45	1361974	21.97	ug/L	98
24) Chloroprene	5.629	53	686562	23.13	ug/L	96
25) 1,1-Dichloroethane	5.659	63	631331	25.11	ug/L	99
26) Acrylonitrile	5.702	53	596552	117.00	ug/L	99
27) ETBE	5.872	59	1085447	22.17	ug/L	98
28) Vinyl acetate	5.878	43	3162065	122.78	ug/L	99
29) cis-1,2-Dichloroethene	6.214	96	273469	24.88	ug/L	99
30) 2,2-Dichloropropane	6.342	77	468590	25.07	ug/L	94
31) Bromochloromethane	6.421	128	126126	22.33	ug/L	95
32) Cyclohexane	6.445	56	706916	26.00	ug/L	97
33) Chloroform	6.482	83	520110	24.12	ug/L	99
34) Ethyl acetate	6.567	43	1473450	106.84	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19865.D
Acq On : 31 Oct 2013 2:11 pm
Operator : melissam
Sample : bs
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 14:30:00 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
35) Tetrahydrofuran	6.647	42	89483	21.91 ug/L	96
37) Carbon Tetrachloride	6.647	117	451559	22.86 ug/L	99
38) 1,1,1-Trichloroethane	6.720	97	507897	25.19 ug/L	99
39) 2-Butanone	6.775	43	791474	129.88 ug/L	99
40) 1,1-Dichloropropene	6.830	75	379079	26.02 ug/L	95
41) tert-Butyl Formate	6.927	59	2693364	249.64 ug/L	98
42) Propionitrile	7.092	54	410567	226.36 ug/L	93
43) Methacrylonitrile	7.110	41	2056746	222.30 ug/L	98
44) Benzene	7.086	78	935623	25.78 ug/L	97
45) TAME	7.165	73	650565	22.19 ug/L	97
47) 1,2-Dichloroethane	7.281	62	534769	23.79 ug/L	96
48) Trichloroethene	7.653	95	277152	25.33 ug/L	98
49) Methylcyclohexane	7.665	83	439569	22.67 ug/L	97
50) Dibromomethane	8.085	93	170844	24.50 ug/L	98
51) 1,2-Dichloropropane	8.183	63	327513	25.40 ug/L	97
52) Bromodichloromethane	8.226	83	388095	24.42 ug/L	99
53) Methyl methacrylate	8.348	41	295843	23.60 ug/L	99
54) 2-Chloroethyl vinyl ether	8.768	63	938668	124.40 ug/L	94
55) cis-1,3-Dichloropropene	8.854	75	422545	24.70 ug/L	98
58) Toluene	9.097	91	1035120	25.03 ug/L	98
59) 2-Nitropropane	9.329	41	371488	94.10 ug/L	98
60) 4-Methyl-2-pentanone	9.451	43	1665546	123.66 ug/L	97
61) trans-1,3-Dichloropropene	9.500	75	409170	25.48 ug/L	89
62) Tetrachloroethene	9.500	166	278630	25.65 ug/L	91
63) Ethyl methacrylate	9.622	69	253371	20.27 ug/L	96
64) 1,1,2-Trichloroethane	9.670	83	187279	24.81 ug/L	99
65) Dibromochloromethane	9.866	129	286696	24.33 ug/L	99
66) 1,3-Dichloropropane	9.957	76	385799	24.96 ug/L	95
67) 1,2-Dibromoethane	10.128	107	238820	24.69 ug/L	97
68) 2-hexanone	10.292	43	1206340	125.01 ug/L	95
69) 1-Chlorohexane	10.591	91	353635	21.98 ug/L	99
70) Ethylbenzene	10.658	91	1243925	24.95 ug/L	100
71) Chlorobenzene	10.652	112	684548	26.80 ug/L	96
72) 1,1,1,2-Tetrachloroethane	10.707	131	270040	24.11 ug/L	99
73) m,p-Xylene	10.804	91	1950781	52.23 ug/L	97
74) o-Xylene	11.255	91	1024401	26.96 ug/L	99
75) Styrene	11.310	104	742977	24.51 ug/L	98
76) Bromoform	11.359	173	174822	23.83 ug/L	97
77) Isopropylbenzene	11.579	105	1267758	28.03 ug/L	98
80) cis-1,4-Dichloro-2-butene	11.950	53	76216	29.55 ug/L	97
81) n-Propylbenzene	12.018	91	1507623	28.53 ug/L	99
82) Bromobenzene	12.024	156	300711	25.50 ug/L	98
83) 1,1,2,2-Tetrachloroethane	12.085	83	286871	24.74 ug/L	94
84) 1,3,5-Trimethylbenzene	12.219	105	1065109	25.34 ug/L	98
85) 2-Chlorotoluene	12.207	91	1041670	27.11 ug/L	98
86) trans-1,4-Dichloro-2-B...	12.280	53	87657	25.28 ug/L	99
87) 1,2,3-Trichloropropane	12.255	110	85229	24.78 ug/L	94
88) Cyclohexanone	12.316	55	57457	97.35 ug/L	97
89) 4-Chlorotoluene	12.383	91	987119	27.84 ug/L	99
90) a-Methyl Styrene	12.493	118	4979	0.23 ug/L	92

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19865.D
Acq On : 31 Oct 2013 2:11 pm
Operator : melissam
Sample : bs
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 14:30:00 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

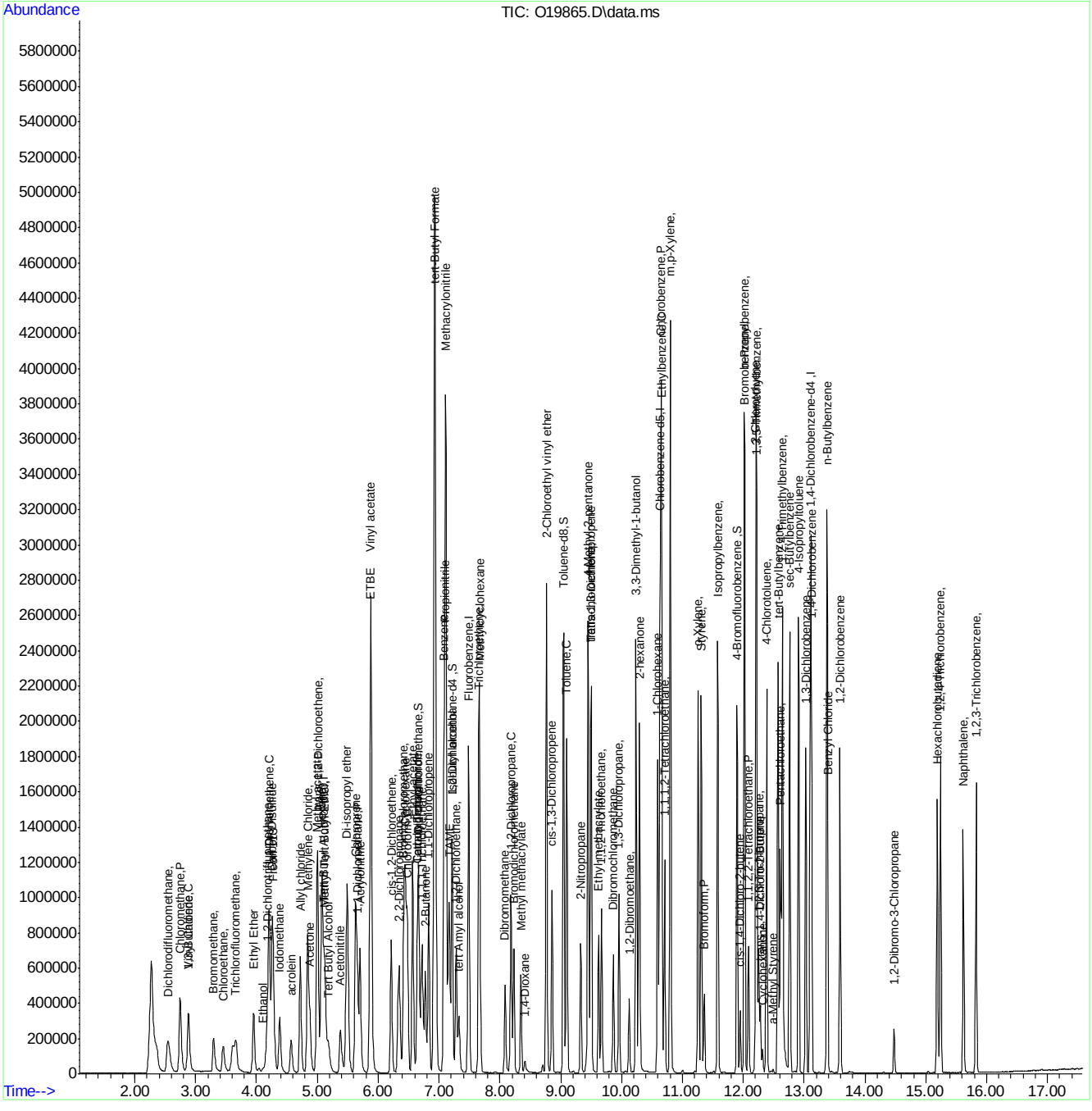
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) tert-Butylbenzene	12.572	91	677611	27.52 ug/L	98
92) 1,2,4-Trimethylbenzene	12.645	105	1130961	25.71 ug/L	99
93) Pentachloroethane	12.615	167	188877	24.22 ug/L	99
94) sec-Butylbenzene	12.761	105	1450517	28.71 ug/L	99
95) 4-Isopropyltoluene	12.908	119	1164883	26.97 ug/L	98
96) 1,3-Dichlorobenzene	13.030	146	585761	27.21 ug/L	98
97) 1,4-Dichlorobenzene	13.121	146	575778	24.65 ug/L	98
98) n-Butylbenzene	13.377	92	689289	25.98 ug/L	92
99) Benzyl Chloride	13.389	126	97916	21.52 ug/L #	19
100) 1,2-Dichlorobenzene	13.590	146	553821	26.30 ug/L	98
101) 1,2-Dibromo-3-Chloropr...	14.480	75	52791	23.67 ug/L	85
102) Hexachlorobutadiene	15.194	225	262295	26.45 ug/L	92
103) 1,2,4-Trichlorobenzene	15.243	180	435353	25.43 ug/L	97
104) Naphthalene	15.621	128	871851	24.44 ug/L	98
105) 1,2,3-Trichlorobenzene	15.828	180	394665	25.34 ug/L	99
107) Ethanol	4.111	45	56016	392.00 ug/L	95
108) acrolein	4.568	56	220215	99.72 ug/L	96
109) Tert Butyl Alcohol	5.184	59	271678	212.79 ug/L	99
110) tert Amyl alcohol	7.329	59	204437	211.24 ug/L	97
111) Isobutyl alcohol	7.214	42	150527	415.34 ug/L	94
112) 1,4-Dioxane	8.415	88	36075	424.71 ug/L	96
113) 3,3-Dimethyl-1-butanol	10.237	57	1047980	1030.81 ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19865.D
Acq On : 31 Oct 2013 2:11 pm
Operator : melissam
Sample : bs
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 14:30:00 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration


Abundance
TIC: O19865.D\data.ms
Time-->
Dichlorodifluoromethane,
Chloromethane,P
Bromomethane,
Chloroethane,
Trichlorofluoromethane,
Ethyl Ether
Ethanol
Iodomethane
acrolein
Allyl chloride
Acetone
Methylene Chloride,
Tert Butyl Alcohol
Acetonitrile
Di-isopropyl ether
ETBE
Vinyl acetate
cis-1,2-Dichloroethene,
2,2-Dichloropropane
2-Butanone
tert-Amyl alcohol
Dibromomethane
Methyl methacrylate
1,4-Dioxane
cis-1,3-Dichloropropene
2-Nitropropane
1,2-Dibromoethane,
2-hexanone
3,3-Dimethyl-1-butanol
1-Chlorohexane
1,1,1,2-Tetrachloroethane,
Chlorobenzene-d5,I
Ethylbenzene,P
m,p-Xylene,
Bromoform,P
Isopropylbenzene,
4-Bromofluorobenzene ,S
4-Chlorotoluene,
tert-Butylbenzene
sec-Butylbenzene
4-Isopropyltoluene
1,4-Dichlorobenzene
n-Butylbenzene
1,2-Dichlorobenzene
Benzyl Chloride
1,2-Dibromo-3-Chloropropane
Hexachlorobutadiene
Naphthalene,
1,2,3-Trichlorobenzene,
Methacrylonitrile
tert-Butyl Formate
Toluene-d8,S
2-Chloroethyl vinyl ether
Toluene,C
Fluorobenzene,I
Trichloroethylene
Cyclohexane
Bromochloromethane,S
Dibromofluoromethane,S
Benzene
Propionitrile
Methyl Ethyl Ketone
Methyl Acrylonitrile
Methyl Methacrylate
Ethyl Methacrylate
Butyl Methacrylate
Isobutanol
Propanol
Propionitrile
Methyl Methacrylate
Methyl Methacrylate
Methyl Methacrylate

Manual Integration Approval Summary

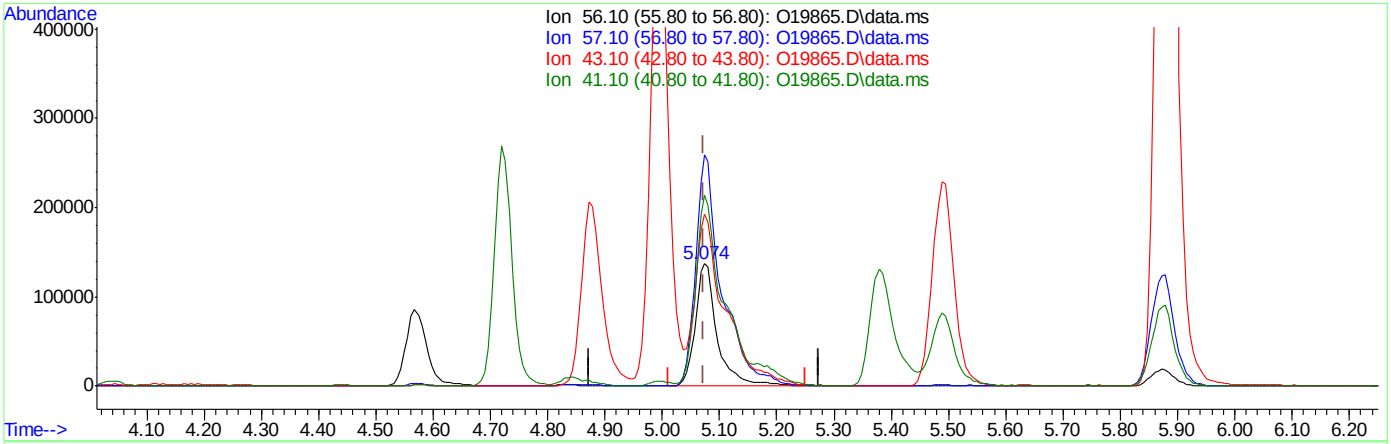
Sample Number:	VO791-BS	**Method:**	SW846 8260B
Lab FileID:	O19865.D	**Analyst approved:**	10/31/13 14:30 Melissa Mangual
Injection Time:	10/31/13 14:11	**Supervisor approved:**	11/01/13 15:56 Juan Garcia

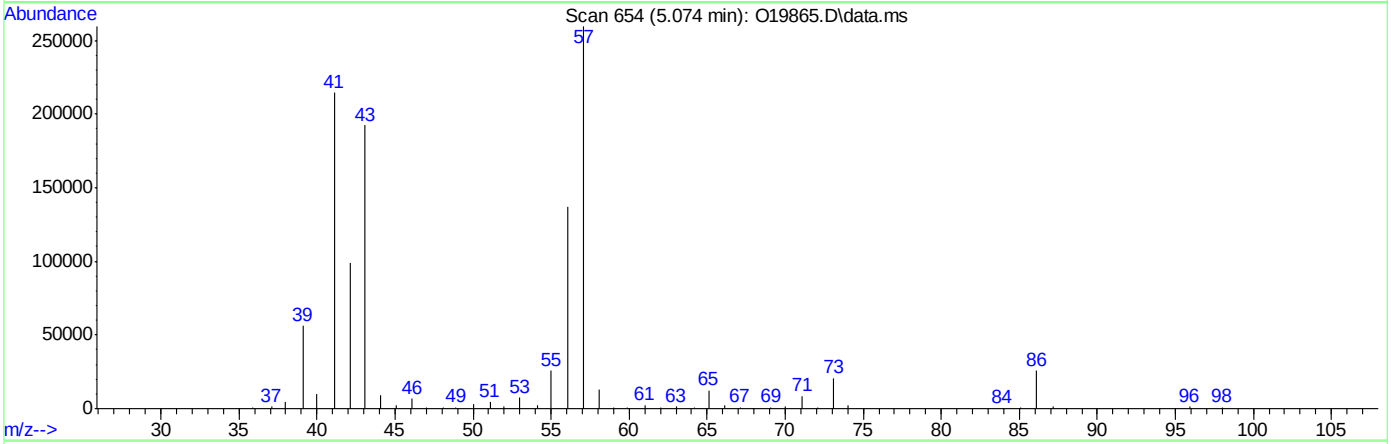
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak
Acetonitrile	75-05-8		5.38	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19865.D
Acq On : 31 Oct 2013 2:11 pm
Operator : melissam
Sample : bs
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 14:29:44 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19865.D\data.ms

(20) Hexane

5.074min (+0.000) 27.95ug/L

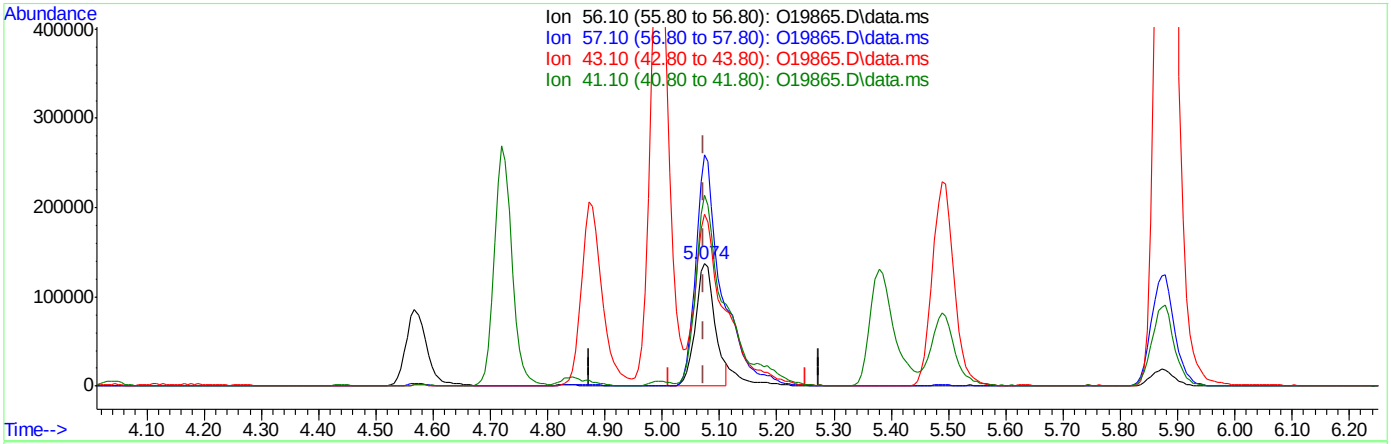
response 370211

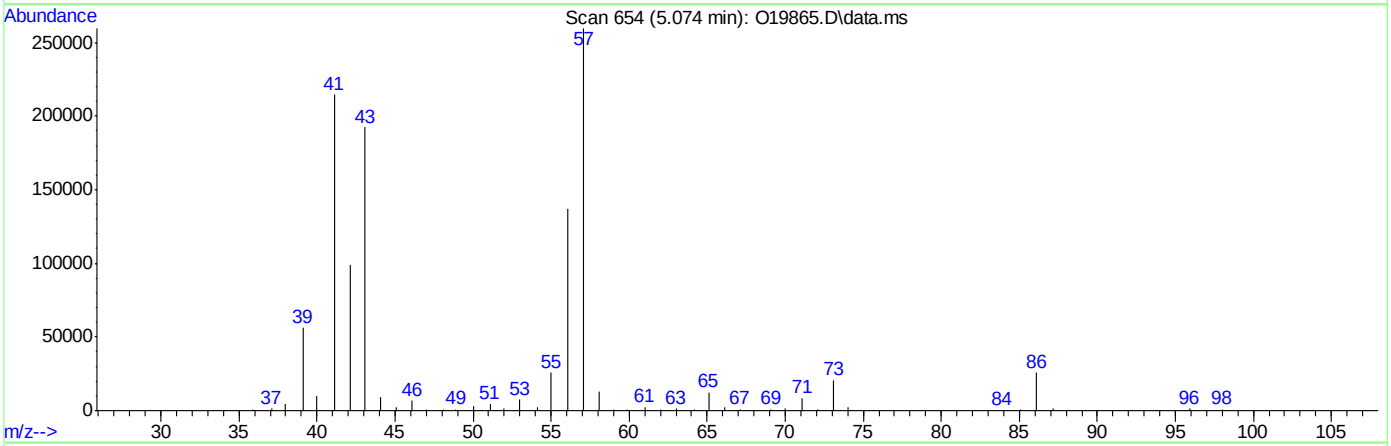
Ion	Exp%	Act%
56.10	100	100
57.10	188.10	189.13
43.10	142.00	138.99
41.10	160.40	154.94

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19865.D
Acq On : 31 Oct 2013 2:11 pm
Operator : melissam
Sample : bs
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 14:29:44 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19865.D\data.ms

(20) Hexane

5.074min (+0.000) 24.57ug/L m

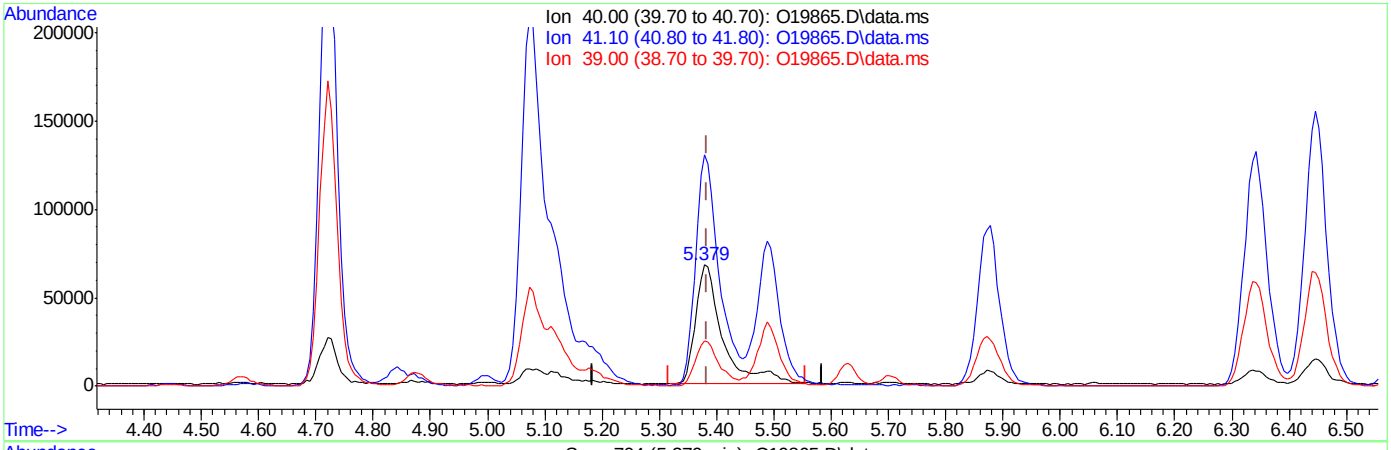
response 325548

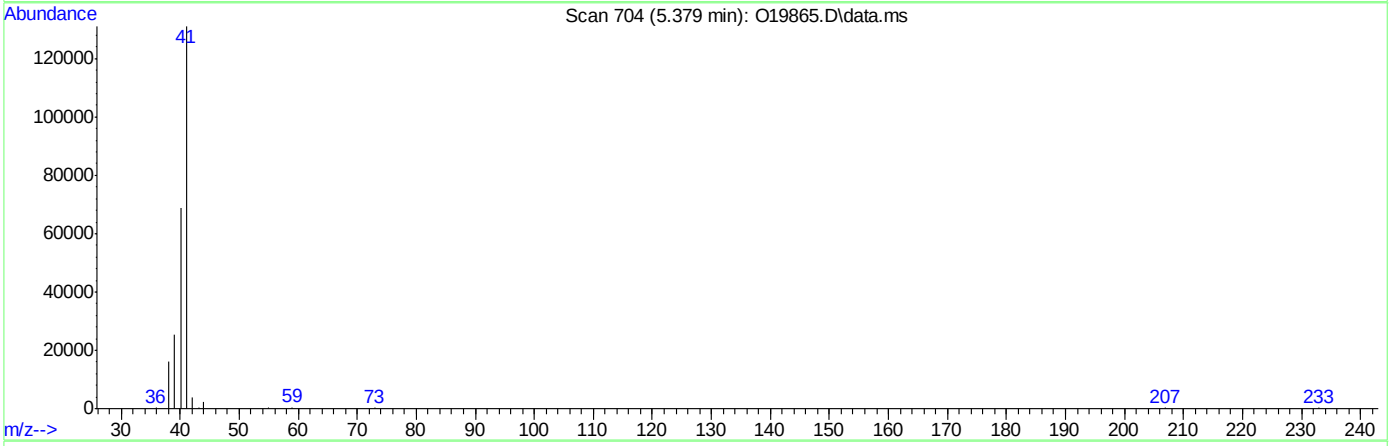
Ion	Exp%	Act%
56.10	100	100
57.10	188.10	189.13
43.10	142.00	140.25
41.10	160.40	156.30

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19865.D
Acq On : 31 Oct 2013 2:11 pm
Operator : melissam
Sample : bs
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 14:29:44 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19865.D\data.ms

(22) Acetonitrile

5.379min (-0.006) 245.16ug/L

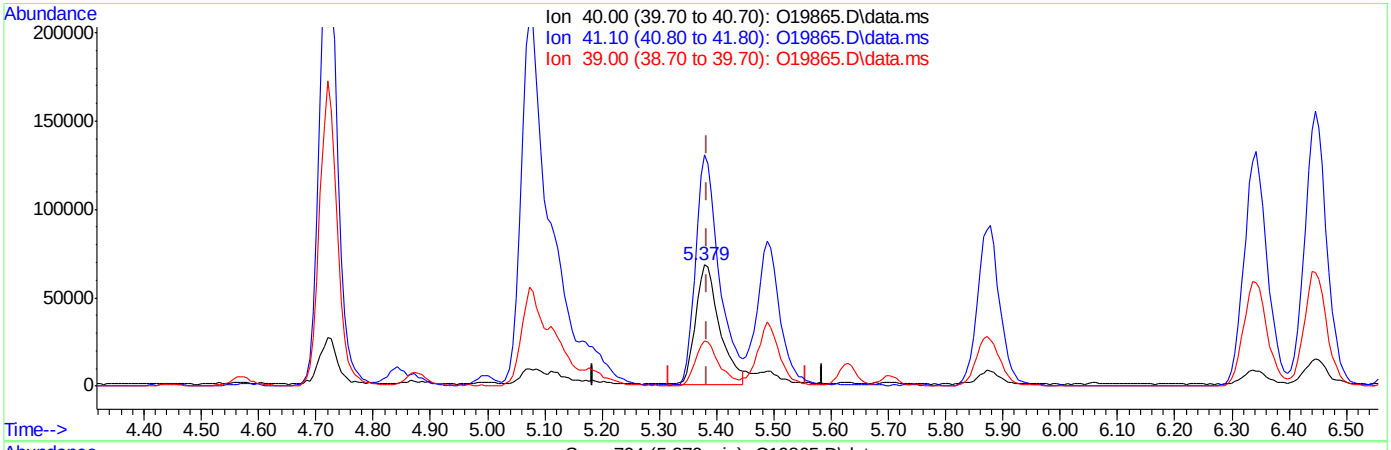
response 224597

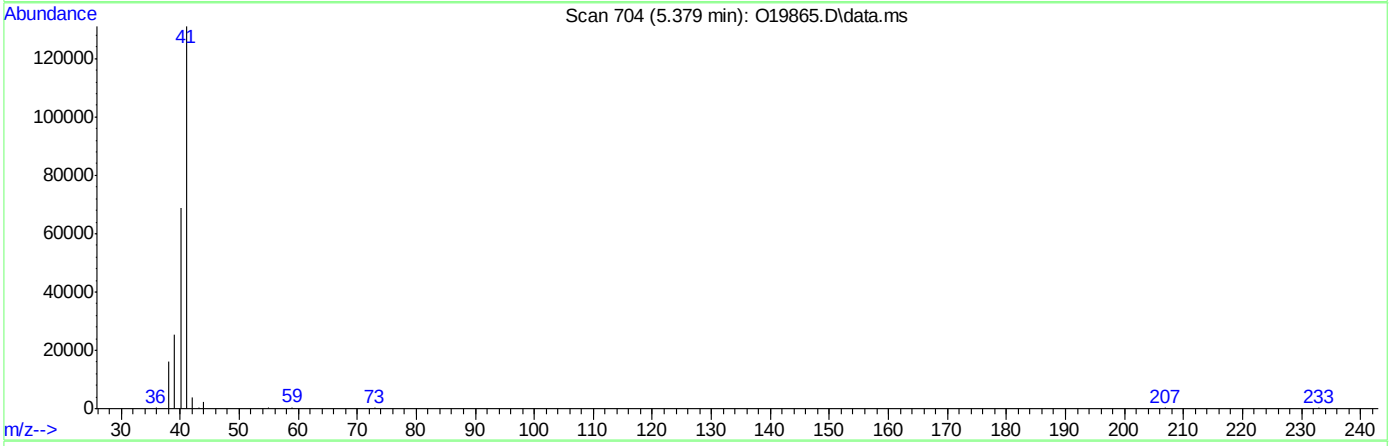
Ion	Exp%	Act%
40.00	100	100
41.10	186.20	194.00
39.00	37.50	37.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19865.D
Acq On : 31 Oct 2013 2:11 pm
Operator : melissam
Sample : bs
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 14:29:44 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19865.D\data.ms

(22) Acetonitrile

5.379min (-0.006) 217.27ug/L m

response 199045

Ion	Exp%	Act%
40.00	100	100
41.10	186.20	191.00
39.00	37.50	36.87
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15279.D
Acq On : 1 Nov 2013 8:59 am
Operator : WILFREDO
Sample : bs
Misc : ms25560,vi197,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 09:24:48 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.589	96	1456625	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1130590	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	567102	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.188	65	100707	250.00	ug/L	-0.02
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	395730	47.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.84%			
44) 1,2-Dichloroethane-d4	7.327	65	435503	46.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 92.82%			
55) Toluene-d8	9.138	98	1399441	46.94	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 93.88%			
77) 4-Bromofluorobenzene	11.918	174	406672	46.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.08%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	273990	36.99	ug/L #	59
3) Chloromethane	2.883	50	299054	25.63	ug/L	86
4) Vinyl Chloride	3.011	62	357907	26.27	ug/L	81
5) Bromomethane	3.413	94	262313	24.82	ug/L	100
6) Chloroethane	3.560	64	191151	24.56	ug/L #	100
7) Trichlorofluoromethane	3.712	101	480454m	22.73	ug/L	
8) Ethyl Ether	4.029	59	191066	24.07	ug/L	78
9) 1,2-Dichlorotrifluoroe...	4.261	67	376944	28.92	ug/L	93
10) 1,1-Dichloroethene	4.291	61	454619	30.90	ug/L	68
11) Freon 113	4.346	101	321651	27.09	ug/L #	49
12) Carbon Disulfide	4.352	76	890163	25.62	ug/L	97
13) Iodomethane	4.474	142	520609	26.10	ug/L	78
14) Allyl chloride	4.803	41	343179	23.98	ug/L	88
15) Methylene Chloride	4.919	49	324102	28.11	ug/L	93
16) Acetone	4.968	43	287687	116.33	ug/L	84
17) Methyl acetate	5.078	43	571956m	95.79	ug/L	
18) trans-1,2-Dichloroethene	5.090	61	333788	28.09	ug/L	87
19) Hexane	5.139	56	164525m	28.19	ug/L	
20) Methyl Tert Butyl Ether	5.200	73	470471	22.83	ug/L	81
21) Acetonitrile	5.492	41	157136	210.64	ug/L	83
22) Di-isopropyl ether	5.565	45	647937	24.56	ug/L	92
23) Chloroprene	5.712	53	315729	26.68	ug/L #	93
24) 1,1-Dichloroethane	5.748	63	422918	27.94	ug/L	79
25) Acrylonitrile	5.809	53	231187	106.05	ug/L	78
26) ETBE	5.956	59	566625	23.49	ug/L	90
27) Vinyl acetate	5.974	43	1309427	113.92	ug/L	84
28) cis-1,2-Dichloroethene	6.315	96	230463	27.36	ug/L	81
29) 2,2-Dichloropropane	6.443	77	336806	29.74	ug/L	95
30) Bromochloromethane	6.529	128	101929	23.61	ug/L #	47
31) Cyclohexane	6.535	56	361401	29.10	ug/L #	45
32) Chloroform	6.577	83	428161	27.16	ug/L	76
33) Ethyl acetate	6.663	43	576315	96.19	ug/L	90
34) Tetrahydrofuran	6.754	42	40804	22.39	ug/L #	69

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15279.D
Acq On : 1 Nov 2013 8:59 am
Operator : WILFREDO
Sample : bs
Misc : ms25560,vi197,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 09:24:48 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) Carbon Tetrachloride	6.742	117	324437	29.56 ug/L	95
37) 1,1,1-Trichloroethane	6.815	97	362188	28.75 ug/L	89
38) 2-Butanone	6.888	43	358134	110.51 ug/L	76
39) 1,1-Dichloropropene	6.925	75	331974	30.89 ug/L	74
40) Propionitrile	7.218	54	188467	202.11 ug/L #	61
41) Methacrylonitrile	7.230	41	988121	210.91 ug/L	92
42) Benzene	7.187	78	877738	27.73 ug/L	75
43) TAME	7.260	73	517663	22.78 ug/L	92
45) 1,2-Dichloroethane	7.394	62	293735	26.27 ug/L	76
46) Trichloroethene	7.754	95	243904	28.16 ug/L #	70
47) Methylcyclohexane	7.754	83	377164	27.81 ug/L	88
48) Dibromomethane	8.193	93	134827	25.64 ug/L	92
49) 1,2-Dichloropropane	8.291	63	229795	27.49 ug/L	81
50) Bromodichloromethane	8.333	83	300205	27.41 ug/L #	88
51) Methyl methacrylate	8.449	41	122288	22.78 ug/L #	66
52) 2-Chloroethyl vinyl ether	8.870	63	593361	127.78 ug/L #	36
53) cis-1,3-Dichloropropene	8.955	75	357787	27.68 ug/L #	66
56) Toluene	9.193	91	948856	27.42 ug/L	91
57) 2-Nitropropane	9.437	41	154987	112.22 ug/L #	76
58) 4-Methyl-2-pentanone	9.546	43	750981	122.92 ug/L	87
59) trans-1,3-Dichloropropene	9.595	75	329583	30.10 ug/L	88
60) Tetrachloroethene	9.577	166	242315	25.55 ug/L	86
61) Ethyl methacrylate	9.705	69	185471	21.20 ug/L	84
62) 1,1,2-Trichloroethane	9.760	83	157222	26.17 ug/L	96
63) Dibromochloromethane	9.949	129	210116	27.37 ug/L	88
64) 1,3-Dichloropropane	10.040	76	313473	26.34 ug/L	76
65) 1,2-Dibromoethane	10.211	107	176583	26.33 ug/L	91
66) 2-hexanone	10.369	43	529645	115.97 ug/L	89
67) 1-Chlorohexane	10.650	91	295463	26.60 ug/L #	70
68) Ethylbenzene	10.711	91	1165926	27.78 ug/L	89
69) Chlorobenzene	10.711	112	679074	29.13 ug/L	89
70) 1,1,1,2-Tetrachloroethane	10.766	131	216785	28.06 ug/L #	71
71) m,p-Xylene	10.851	91	1762792	59.78 ug/L	94
72) o-Xylene	11.296	91	819693	30.56 ug/L	91
73) Styrene	11.351	104	624687	26.94 ug/L	87
74) Bromoform	11.406	173	117559	25.56 ug/L	86
75) Isopropylbenzene	11.601	105	1030091	30.93 ug/L	82
78) cis-1,4-Dichloro-2-butene	11.967	53	43858	26.44 ug/L #	68
79) n-Propylbenzene	12.022	91	1315942	30.89 ug/L	85
80) Bromobenzene	12.040	156	261983	25.74 ug/L	82
81) 1,1,2,2-Tetrachloroethane	12.101	83	225177m	25.13 ug/L	
82) 1,3,5-Trimethylbenzene	12.211	105	908522	27.69 ug/L	95
83) 2-Chlorotoluene	12.211	91	883738	29.23 ug/L	96
84) trans-1,4-Dichloro-2-B...	12.284	53	45271	26.30 ug/L #	82
85) 1,2,3-Trichloropropane	12.259	110	59818	25.14 ug/L	68
86) Cyclohexanone	12.326	55	24182	107.96 ug/L #	71
87) 4-Chlorotoluene	12.381	91	770204	30.57 ug/L	76
88) tert-Butylbenzene	12.552	91	492190	30.00 ug/L	97
89) 1,2,4-Trimethylbenzene	12.619	105	886379	27.34 ug/L	95
90) Pentachloroethane	12.601	167	131661	27.86 ug/L #	54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
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Acq On : 1 Nov 2013 8:59 am
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Sample : bs
Misc : ms25560,vi197,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 09:24:48 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	sec-Butylbenzene	12.735	105	1177534	31.68	ug/L		95
92)	4-Isopropyltoluene	12.869	119	937142	30.62	ug/L		88
93)	1,3-Dichlorobenzene	12.997	146	490510	29.20	ug/L		77
94)	1,4-Dichlorobenzene	13.082	146	520844	26.34	ug/L	#	77
95)	n-Butylbenzene	13.308	92	545368	27.99	ug/L		94
96)	Benzyl Chloride	13.332	126	68416	22.77	ug/L	#	1
97)	1,2-Dichlorobenzene	13.515	146	453555	28.28	ug/L		91
98)	1,2-Dibromo-3-Chloropr...	14.277	75	29079	25.02	ug/L	#	56
99)	Hexachlorobutadiene	14.820	225	152186	29.22	ug/L		87
100)	1,2,4-Trichlorobenzene	14.869	180	296339	27.24	ug/L		86
101)	Naphthalene	15.161	128	537521	25.94	ug/L		98
102)	1,2,3-Trichlorobenzene	15.326	180	253486	27.49	ug/L		86
104)	Ethanol	4.188	45	37084m	538.81	ug/L		
105)	Acrolein	4.657	56	142687	121.47	ug/L		90
106)	Tert Butyl Alcohol	5.267	59	116333	243.97	ug/L	#	100
107)	Isobutyl alcohol	7.321	42	64797	435.46	ug/L	#	41
108)	Tert Amyl Alcohol	7.437	59	89586	233.23	ug/L	#	34
109)	1,4-Dioxane	8.522	88	24441	496.99	ug/L		77

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.3.3

7

Quantitation Report (QT Reviewed)

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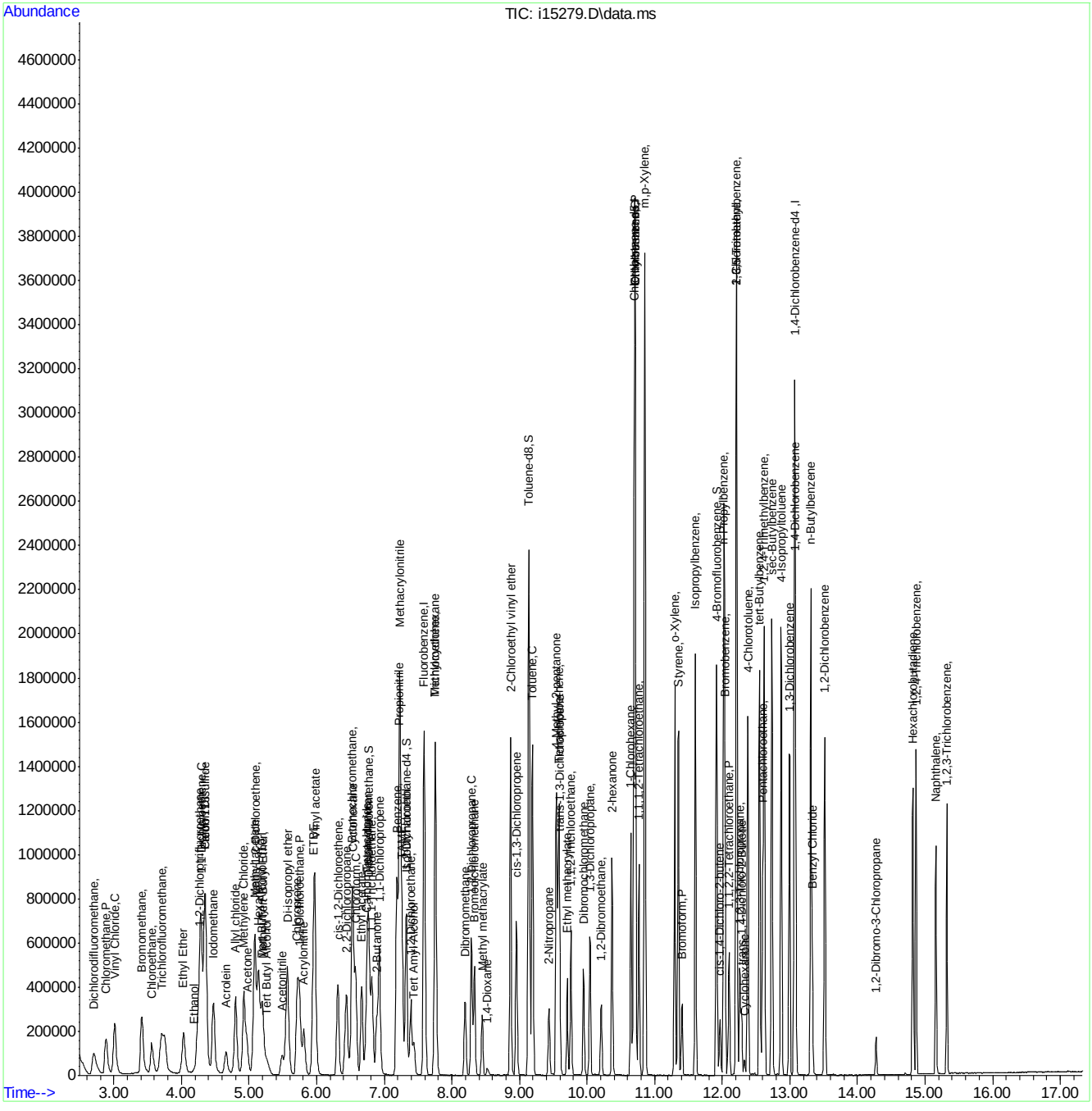
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Manual Integration Approval Summary

Sample Number:	VI197-BS	**Method:**	SW846 8260B
Lab FileID:	I15279.D	**Analyst approved:**	11/01/13 09:26 Wilfredo Vazquez
Injection Time:	11/01/13 08:59	**Supervisor approved:**	11/01/13 15:17 Juan Garcia

Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.71	Split peak
Ethyl Alcohol	64-17-5		4.19	Missed peak
Methyl Acetate	79-20-9		5.08	Overlapping peak
Hexane	110-54-3		5.14	Overlapping peak
1,1,2,2-Tetrachloroethane	79-34-5		12.10	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15279.D
Acq On : 1 Nov 2013 8:59 am
Operator : WILFREDO
Sample : bs
Misc : ms25560,vi197,,,,,
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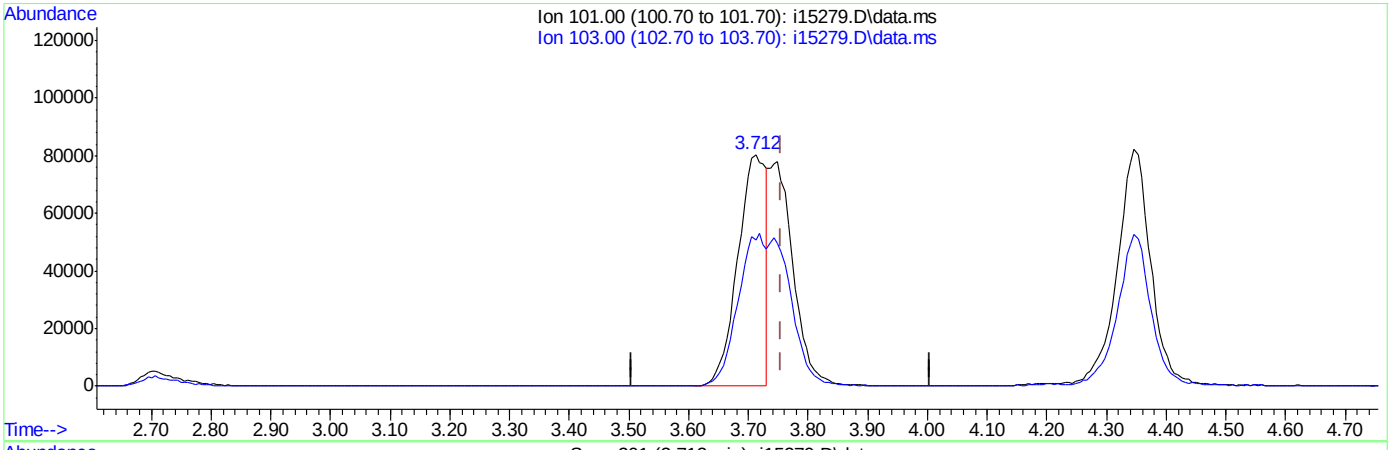
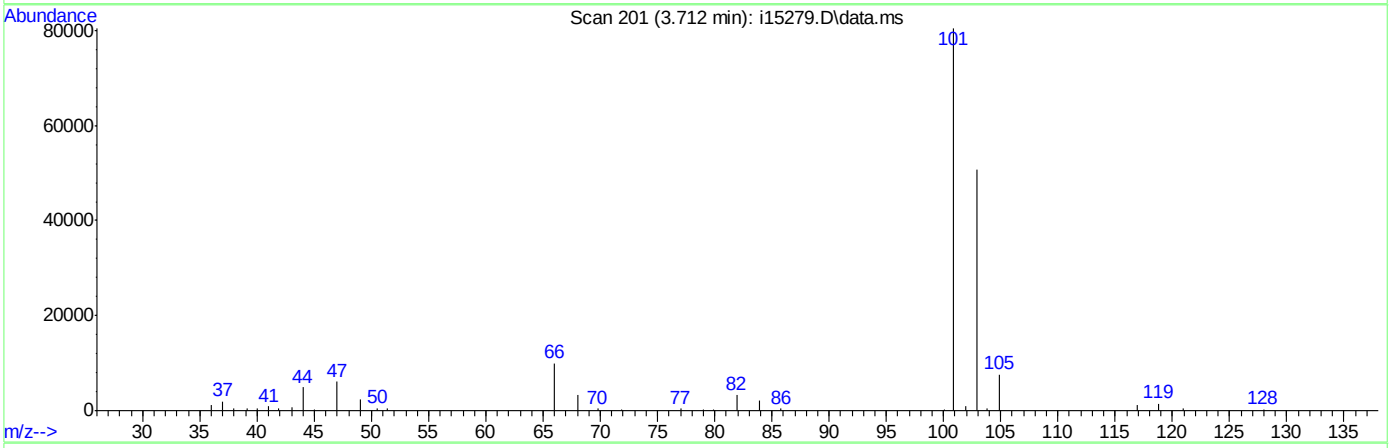
Quant Time: Nov 01 09:17:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15279.D\data.ms

(7) Trichlorofluoromethane ( )

3.712min (-0.043) 12.68ug/L

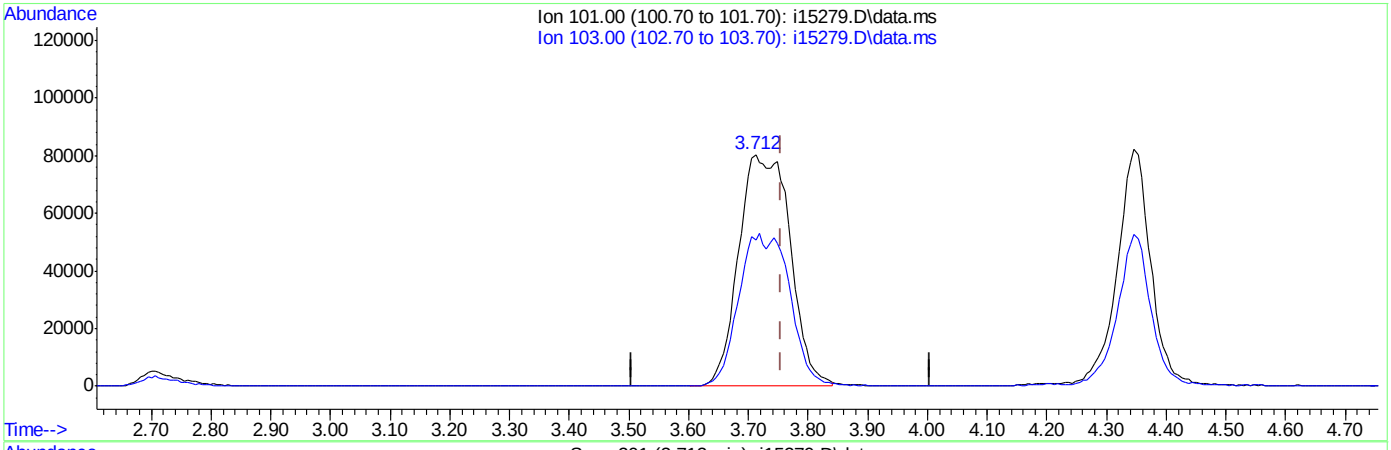
response 265800

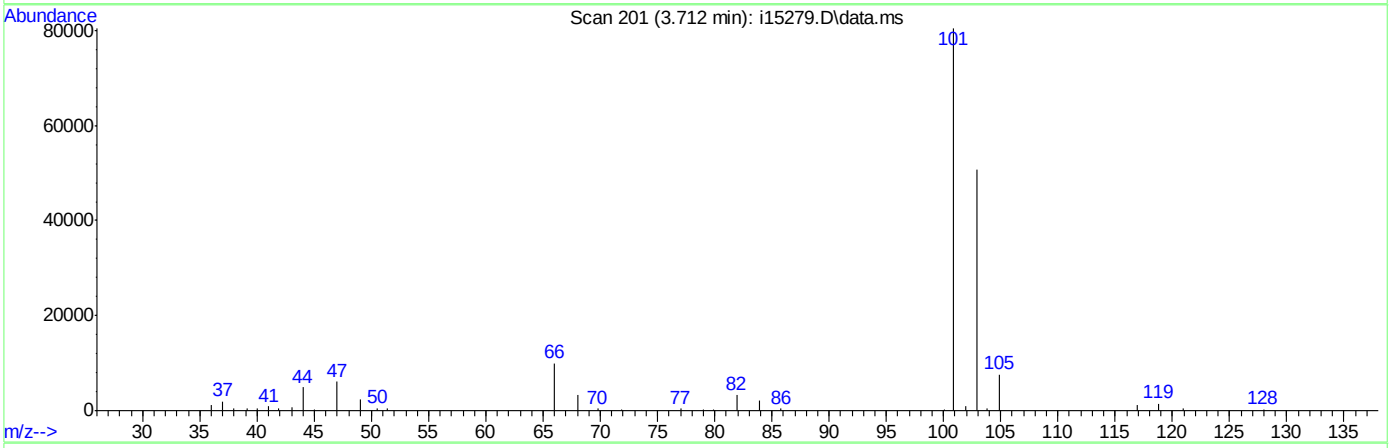
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	62.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15279.D
Acq On : 1 Nov 2013 8:59 am
Operator : WILFREDO
Sample : bs
Misc : ms25560,vi197,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 09:17:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15279.D\data.ms

(7) Trichlorofluoromethane ( )

3.712min (-0.043) 22.73ug/L m

response 480454

Ion	Exp%	Act%
101.00	100	100
103.00	43.30	62.96
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\110113\
Data File : i15279.D
Acq On    :  1 Nov 2013   8:59 am
Operator  : WILFREDO
Sample    : bs
Misc      : ms25560,vi197,,,,,
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Nov 01 09:17:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
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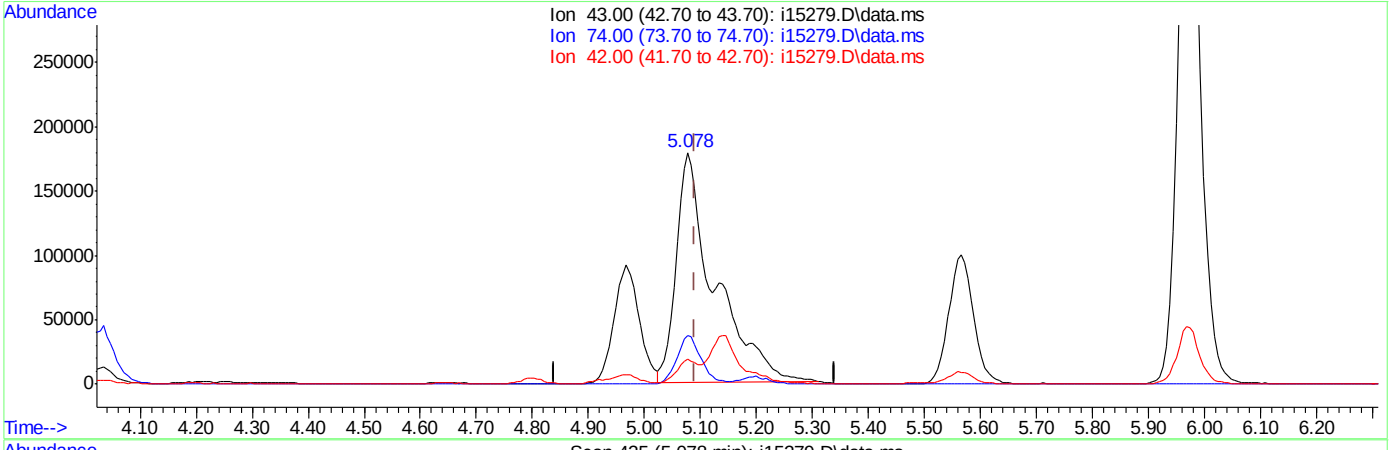
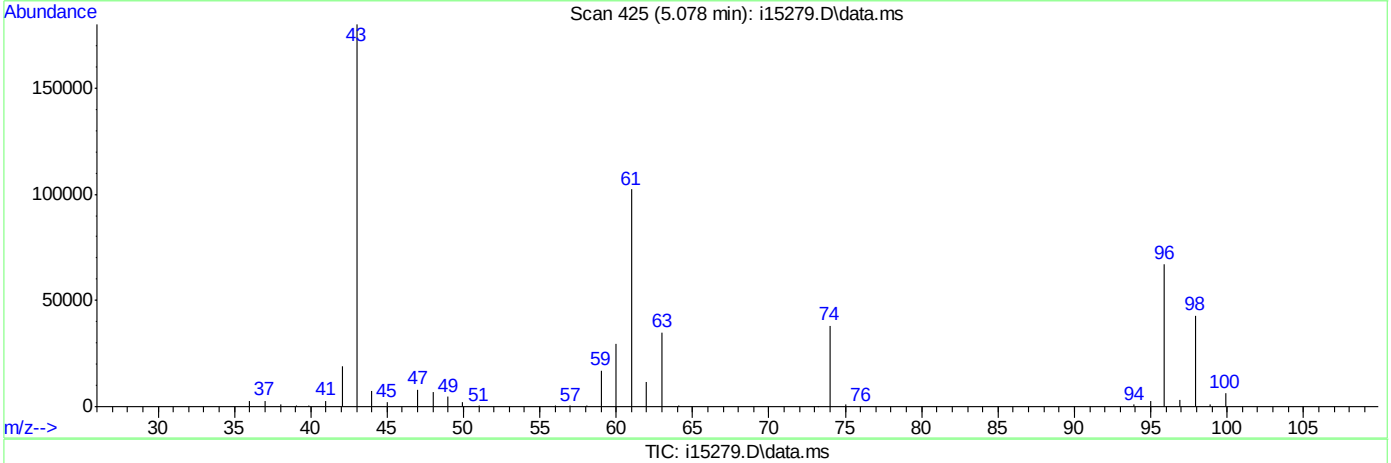




TIC: i15279.D\data.ms

(17) Methyl acetate

5.078min (-0.012) 140.15ug/L

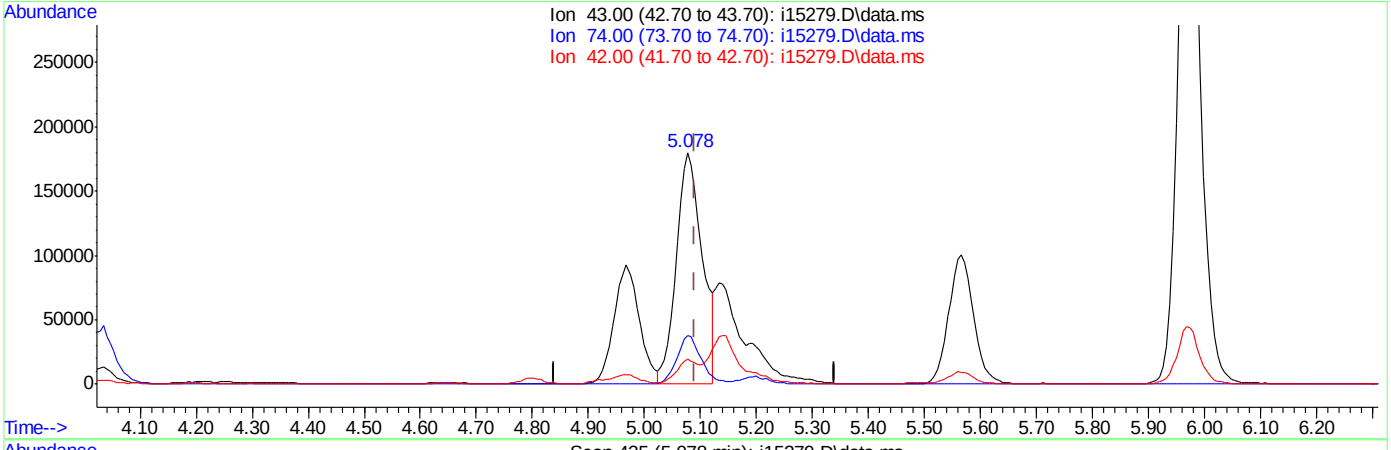
response 844062

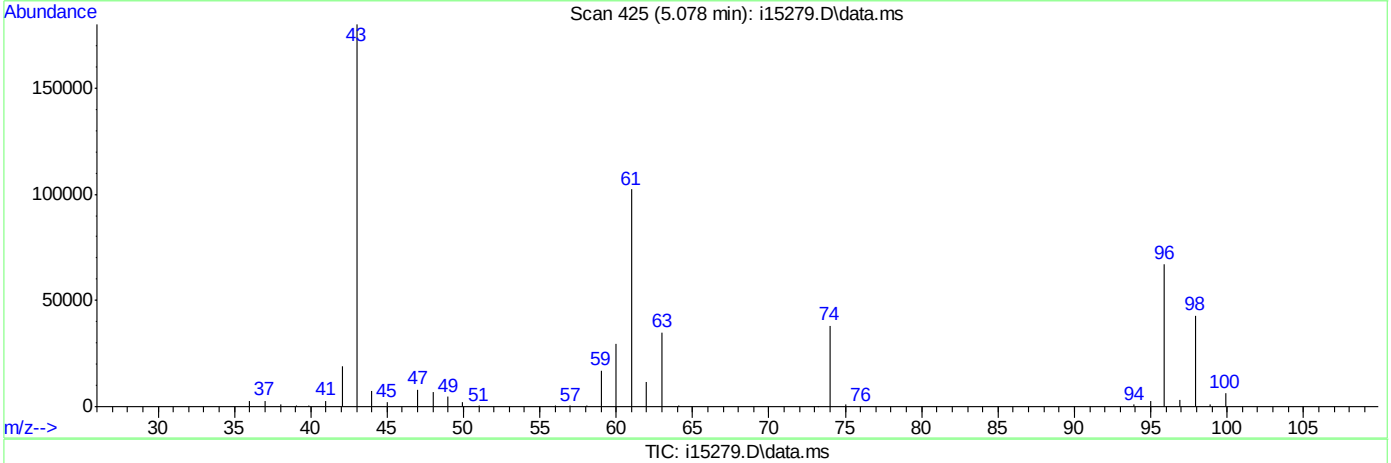
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.43
42.00	14.70	10.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15279.D
Acq On : 1 Nov 2013 8:59 am
Operator : WILFREDO
Sample : bs
Misc : ms25560,vi197,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 09:17:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15279.D\data.ms

(17) Methyl acetate

5.078min (-0.012) 95.79ug/L m

response 571956

Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.13
42.00	14.70	10.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
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Acq On : 1 Nov 2013 8:59 am
Operator : WILFREDO
Sample : bs
Misc : ms25560,vi197,,,,,
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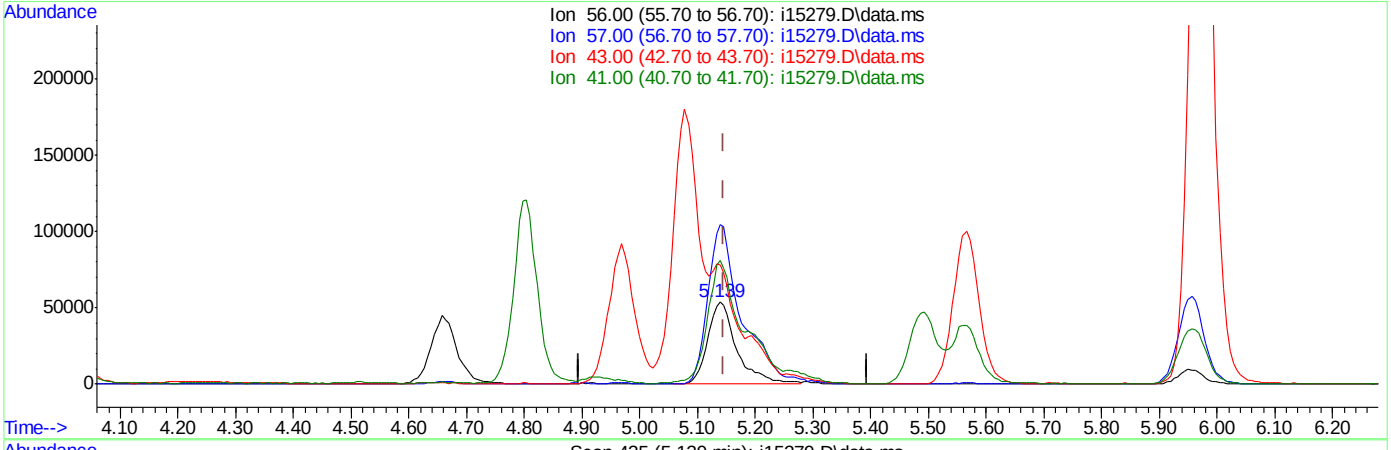

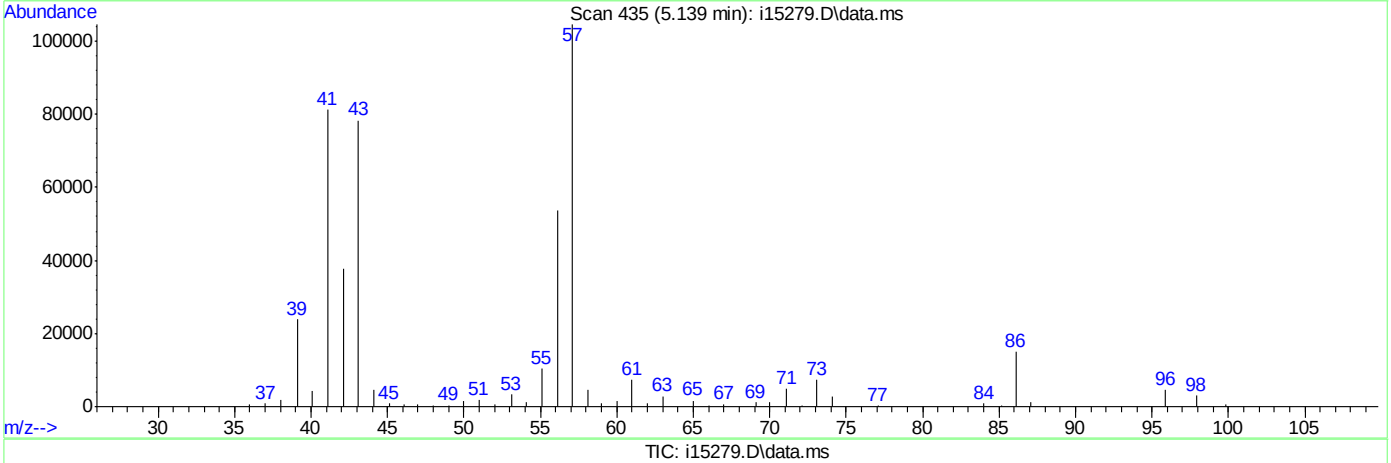

TIC: i15279.D\data.ms

(19) Hexane

5.139min (-0.006) 32.43ug/L

response 189272

Ion	Exp%	Act%
56.00	100	100
57.00	157.00	194.77#
43.00	185.00	136.80#
41.00	125.10	147.68#

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\110113\
Data File : i15279.D
Acq On    :  1 Nov 2013   8:59 am
Operator  : WILFREDO
Sample    : bs
Misc      : ms25560,vi197,,,,,
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Nov 01 09:17:17 2013
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Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
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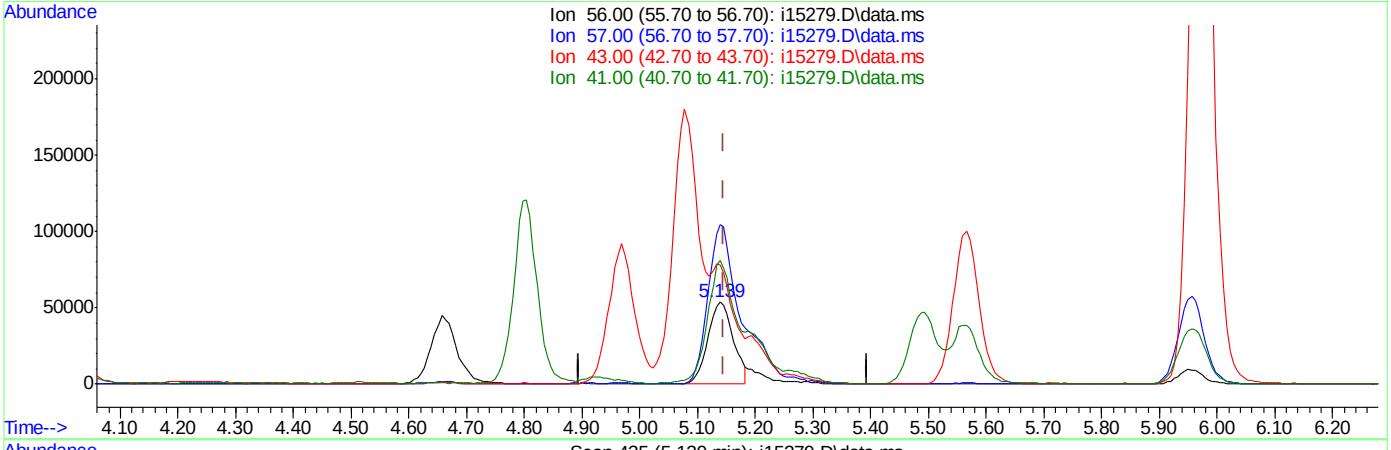

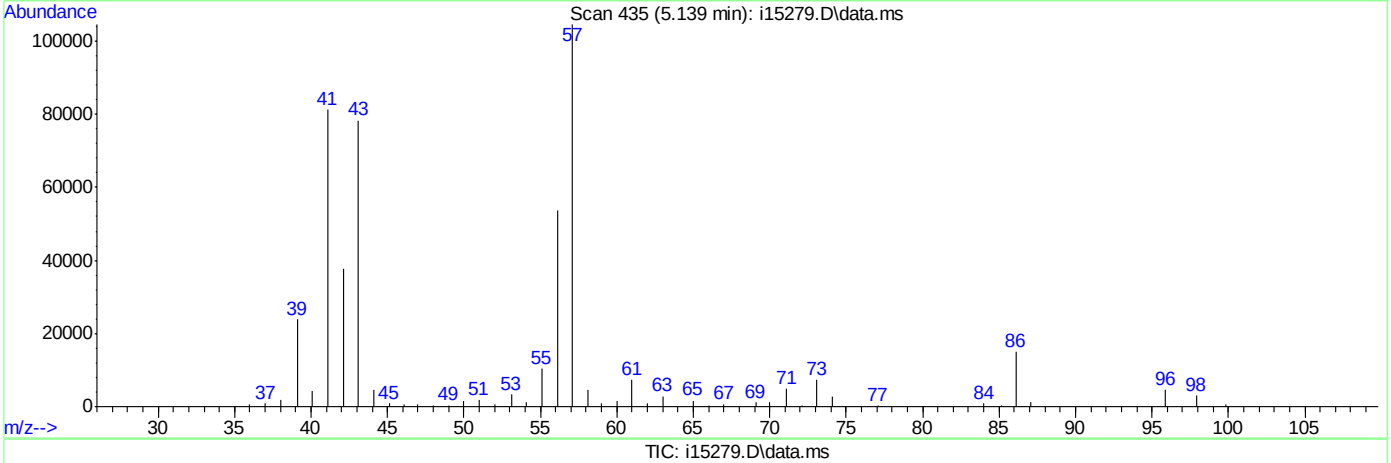

TIC: i15279.D\data.ms

(19) Hexane

5.139min (-0.006) 28.19ug/L m

response 164525

Ion	Exp%	Act%
56.00	100	100
57.00	157.00	194.77#
43.00	185.00	145.72#
41.00	125.10	151.20#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
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Operator : WILFREDO
Sample : bs
Misc : ms25560,vi197,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 09:17:17 2013
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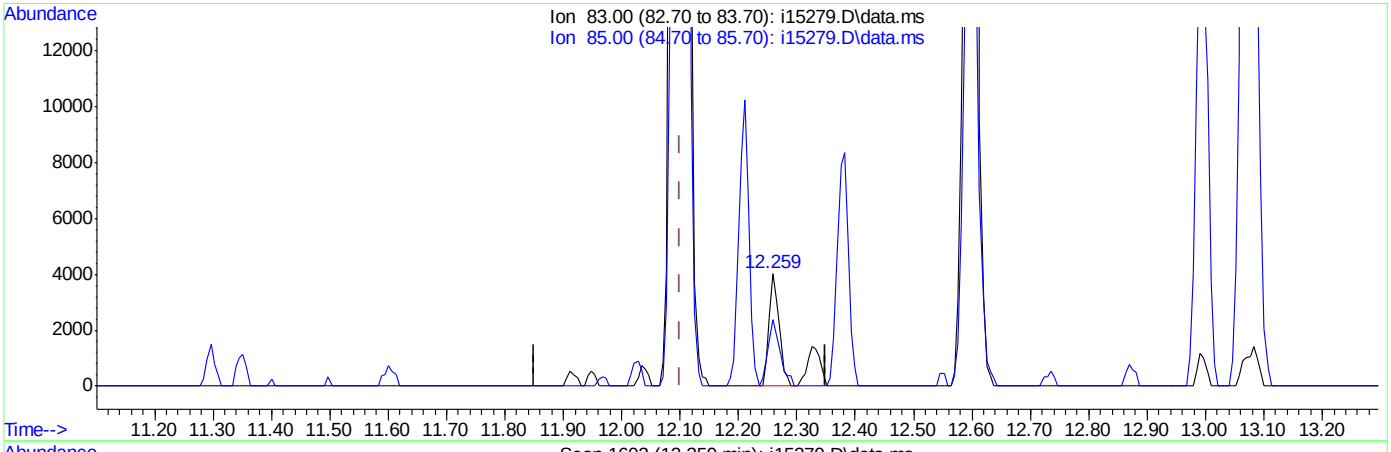

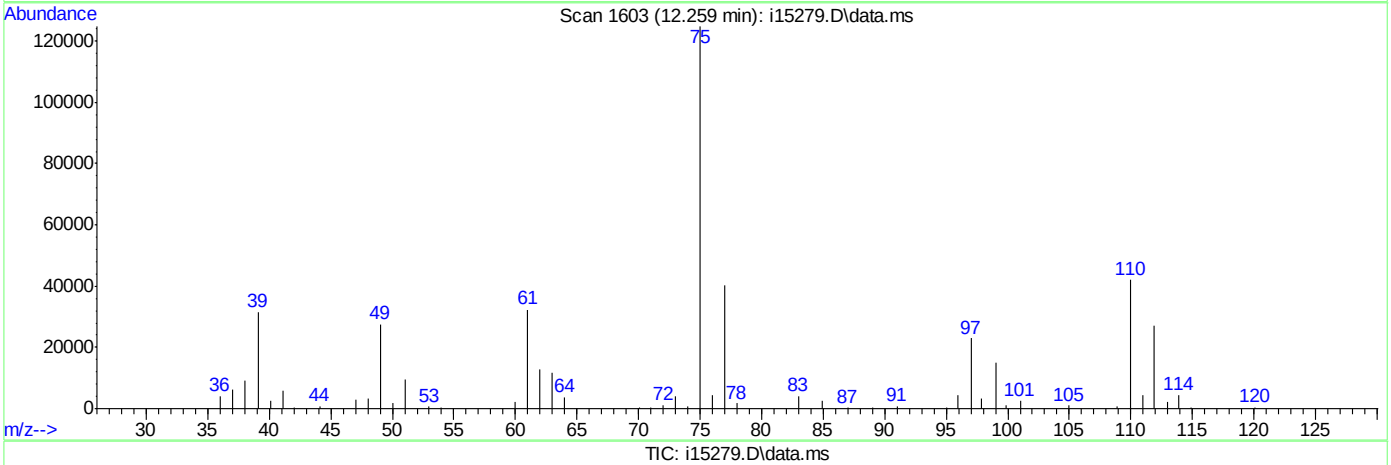

(81) 1,1,2,2-Tetrachloroethane (P)

12.259min (+0.158) 0.54ug/L

response 4864

Ion	Exp%	Act%
83.00	100	100
85.00	32.20	59.29
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

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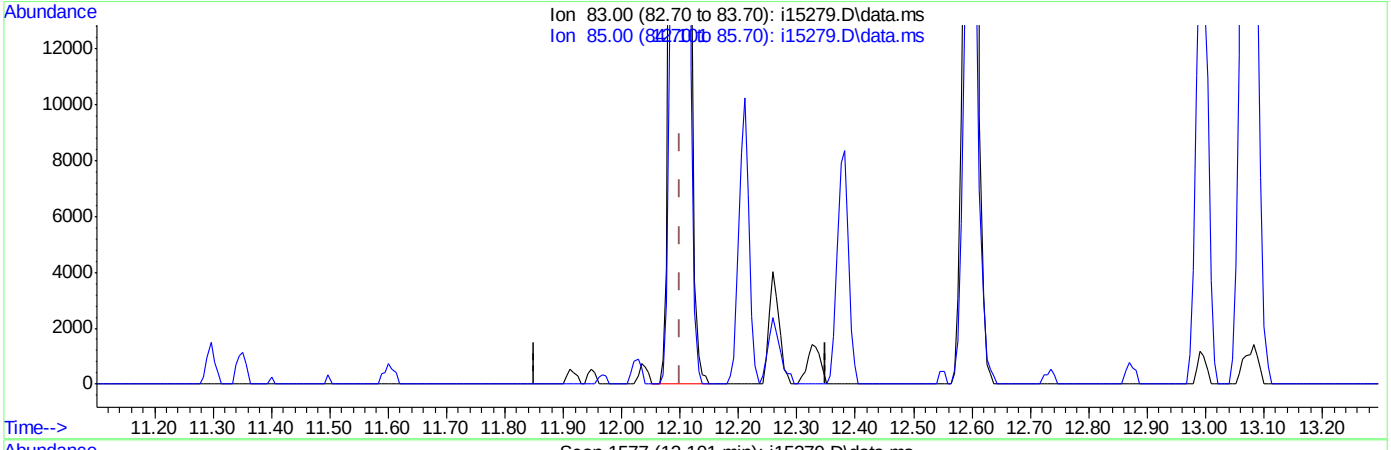
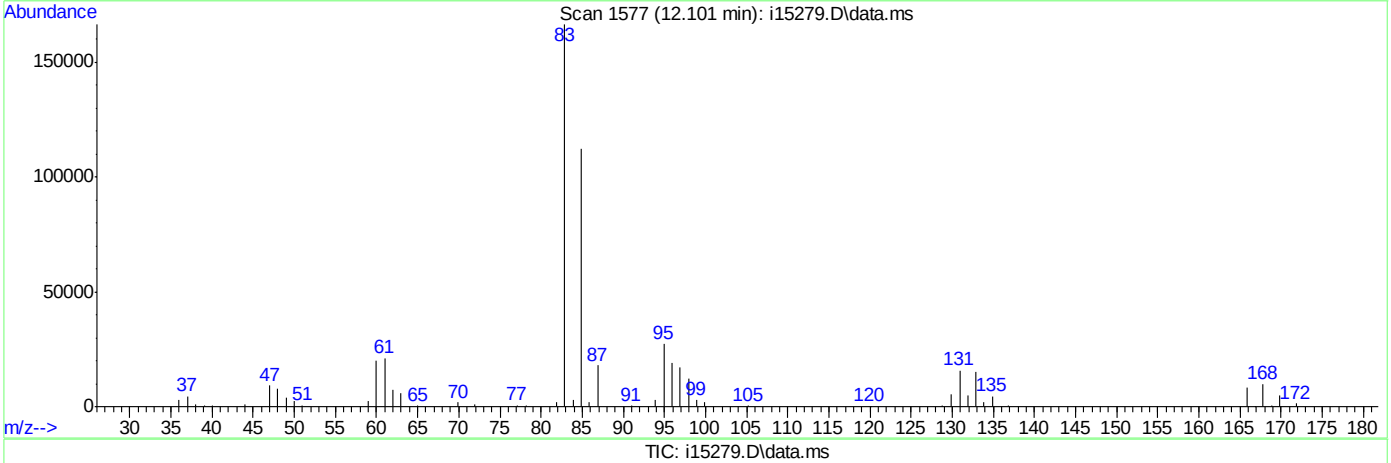
Response via : Initial Calibration





TIC: i15279.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.101min (-0.000) 25.13ug/L m

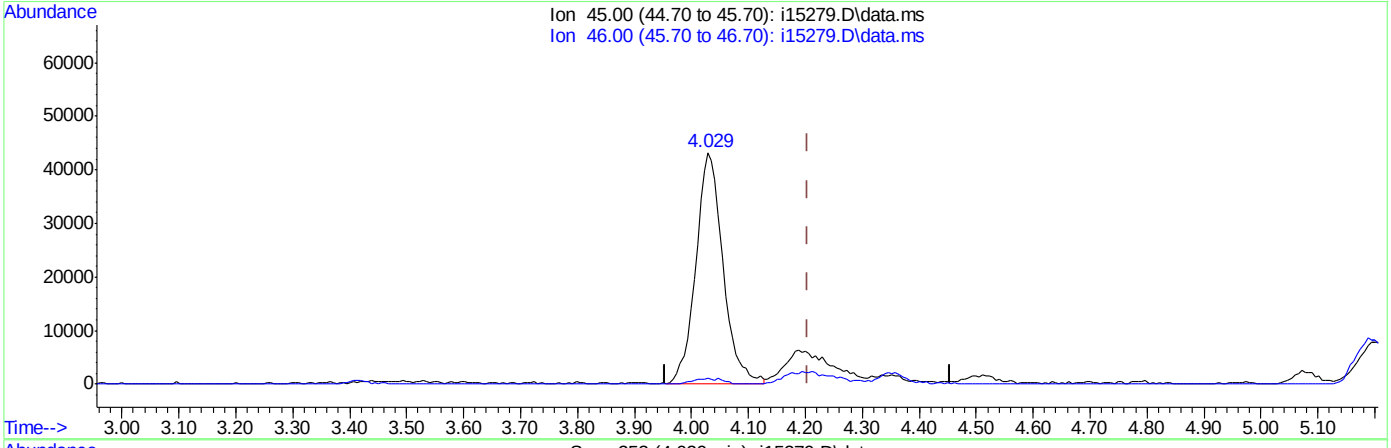
response 225177

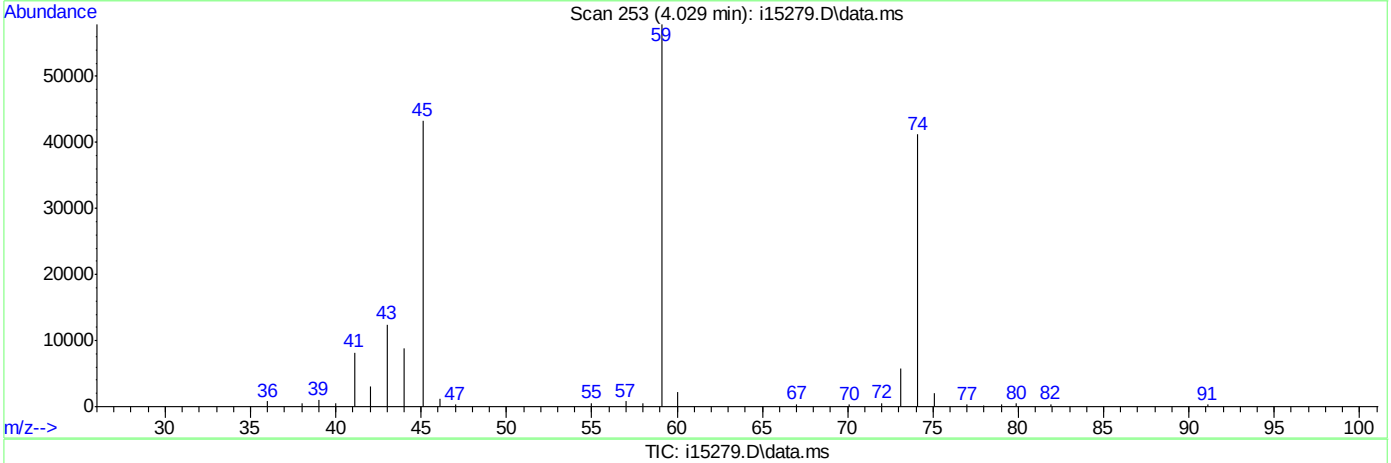
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	67.48#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\110113\
Data File : i15279.D
Acq On    :  1 Nov 2013   8:59 am
Operator  : WILFREDO
Sample    : bs
Misc      : ms25560,vi197,,,,,
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Nov 01 09:17:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
```



TIC: i15279.D\data.ms

(104) Ethanol

4.029min (-0.177) 2085.72ug/L

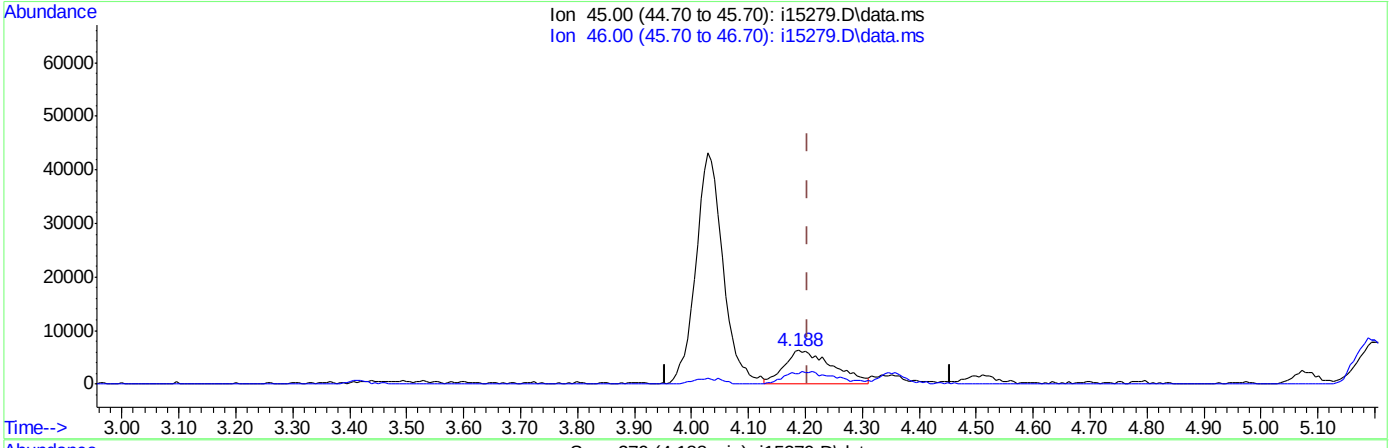
response 143552

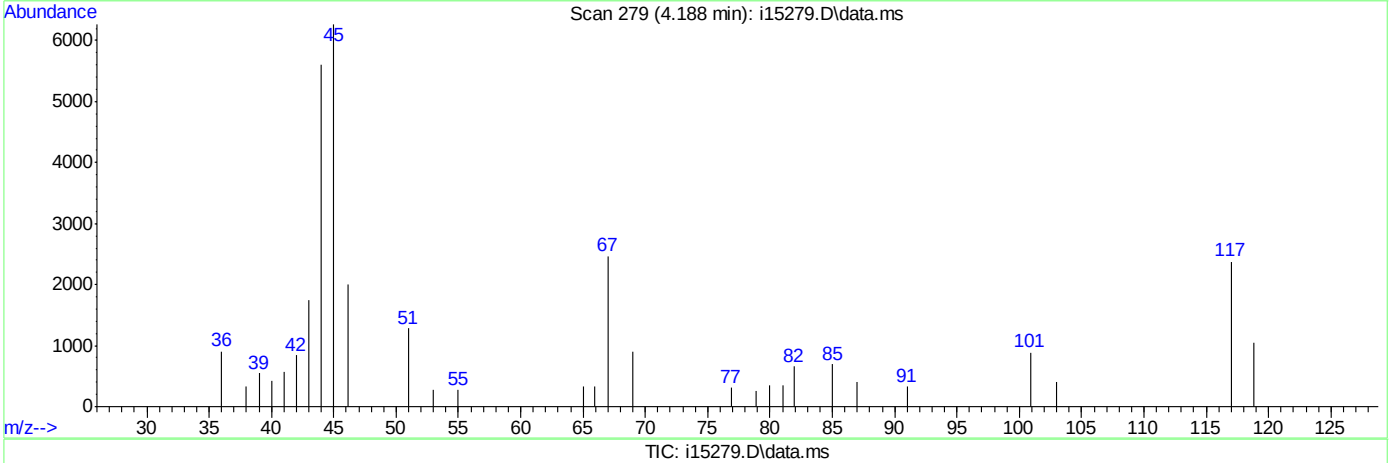
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.71
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15279.D
Acq On : 1 Nov 2013 8:59 am
Operator : WILFREDO
Sample : bs
Misc : ms25560,vi197,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 09:17:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15279.D\data.ms

(104) Ethanol

4.188min (-0.018) 538.81ug/L m

response 37084

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	32.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/04/13 11:16

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19894.D
Acq On : 1 Nov 2013 9:29 am
Operator : melissam
Sample : BS
Misc : MS25564,VO792,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 09:14:05 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.482	96	1139732	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	859542	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	486497	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	126552	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	356018	49.37	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.74%			
46) 1,2-Dichloroethane-d4	7.207	65	552212	46.88	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 93.76%			
57) Toluene-d8	9.043	98	1091187	49.97	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.94%			
79) 4-Bromofluorobenzene	11.896	95	502950	49.68	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 99.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.544	85	379590	41.54	ug/L	99
3) Chloromethane	2.745	50	602619	28.77	ug/L	96
4) 1,3-Butadiene	2.873	54	72674	5.80	ug/L	97
5) Vinyl Chloride	2.885	62	338109	29.39	ug/L	97
6) Bromomethane	3.294	94	146032	27.01	ug/L	97
7) Chloroethane	3.452	64	140390	25.12	ug/L	96
8) Trichlorofluoromethane	3.653	101	414243	22.98	ug/L	100
9) Ethyl Ether	3.952	59	225979	22.48	ug/L	98
10) 1,2-Dichlorotrifluoroe...	4.184	67	308336	26.42	ug/L	100
11) 1,1-Dichloroethene	4.202	61	539094	28.53	ug/L	97
12) Freon 113	4.275	101	252830	24.04	ug/L	97
13) Carbon Disulfide	4.257	76	676920	21.49	ug/L	96
14) Iodomethane	4.379	142	380482	24.05	ug/L	99
15) Allyl chloride	4.720	41	501340	24.14	ug/L	99
16) Methylene Chloride	4.836	49	600156	27.05	ug/L	98
17) Acetone	4.873	58	137873	161.45	ug/L	94
18) Methyl acetate	4.988	74	113390	89.07	ug/L #	88
19) trans-1,2-Dichloroethene	5.007	61	494288	26.67	ug/L	98
20) Hexane	5.074	56	269993m	23.91	ug/L	
21) Methyl Tert Butyl Ether	5.116	73	586134	22.41	ug/L	98
22) Acetonitrile	5.379	40	183477	234.98	ug/L	99
23) Di-isopropyl ether	5.488	45	1225745	23.20	ug/L	99
24) Chloroprene	5.629	53	599158	23.70	ug/L	99
25) 1,1-Dichloroethane	5.653	63	556795	25.98	ug/L	98
26) Acrylonitrile	5.702	53	522246	120.18	ug/L	98
27) ETBE	5.872	59	970799	23.26	ug/L	100
28) Vinyl acetate	5.878	43	2860025	130.30	ug/L	99
29) cis-1,2-Dichloroethene	6.214	96	234190	25.00	ug/L	99
30) 2,2-Dichloropropane	6.342	77	425388	26.70	ug/L	96
31) Bromochloromethane	6.421	128	110065	22.86	ug/L	98
32) Cyclohexane	6.445	56	614645	26.52	ug/L	99
33) Chloroform	6.476	83	464147	25.25	ug/L	98
34) Ethyl acetate	6.561	43	1307131	111.21	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19894.D
Acq On : 1 Nov 2013 9:29 am
Operator : melissam
Sample : BS
Misc : MS25564,VO792,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 09:14:05 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) Tetrahydrofuran	6.641	42	76130	21.87	ug/L	100
37) Carbon Tetrachloride	6.647	117	422496	25.17	ug/L	99
38) 1,1,1-Trichloroethane	6.720	97	476726	27.74	ug/L	95
39) 2-Butanone	6.775	43	696415	134.09	ug/L	98
40) 1,1-Dichloropropene	6.830	75	331138	26.67	ug/L	99
41) tert-Butyl Formate	6.927	59	2521930	274.26	ug/L	99
42) Propionitrile	7.086	54	337738	218.48	ug/L	92
43) Methacrylonitrile	7.110	41	1760922	223.31	ug/L	100
44) Benzene	7.079	78	809889	26.18	ug/L	96
45) TAME	7.165	73	565121	22.61	ug/L	98
47) 1,2-Dichloroethane	7.281	62	494829	25.83	ug/L	99
48) Trichloroethene	7.653	95	246743	26.46	ug/L	95
49) Methylcyclohexane	7.665	83	376973	22.82	ug/L	99
50) Dibromomethane	8.085	93	148704	25.02	ug/L	99
51) 1,2-Dichloropropane	8.183	63	279634	25.44	ug/L	98
52) Bromodichloromethane	8.226	83	350782	25.89	ug/L	99
53) Methyl methacrylate	8.341	41	252761	23.66	ug/L	97
54) 2-Chloroethyl vinyl ether	8.768	63	773265	120.24	ug/L	99
55) cis-1,3-Dichloropropene	8.854	75	372409	25.54	ug/L	97
58) Toluene	9.097	91	896559	25.35	ug/L	98
59) 2-Nitropropane	9.329	41	340001	100.71	ug/L	96
60) 4-Methyl-2-pentanone	9.451	43	1452484	126.09	ug/L	99
61) trans-1,3-Dichloropropene	9.500	75	361679	26.33	ug/L	99
62) Tetrachloroethene	9.494	166	241385	25.99	ug/L	99
63) Ethyl methacrylate	9.622	69	199954	18.70	ug/L	97
64) 1,1,2-Trichloroethane	9.670	83	158680	24.58	ug/L	97
65) Dibromochloromethane	9.866	129	252646	25.07	ug/L	97
66) 1,3-Dichloropropane	9.957	76	329677	24.94	ug/L	99
67) 1,2-Dibromoethane	10.128	107	207134	25.04	ug/L	99
68) 2-hexanone	10.292	43	1072283	129.92	ug/L	97
69) 1-Chlorohexane	10.591	91	304297	22.12	ug/L	96
70) Ethylbenzene	10.658	91	1103143	25.87	ug/L	100
71) Chlorobenzene	10.652	112	602583	27.58	ug/L	98
72) 1,1,1,2-Tetrachloroethane	10.707	131	244310	25.51	ug/L	99
73) m,p-Xylene	10.804	91	1746293	54.67	ug/L	99
74) o-Xylene	11.256	91	909758	27.99	ug/L	98
75) Styrene	11.310	104	649731	25.06	ug/L	98
76) Bromoform	11.359	173	153469	24.46	ug/L	97
77) Isopropylbenzene	11.579	105	1121889	29.01	ug/L	98
80) cis-1,4-Dichloro-2-butene	11.950	53	52973	23.43	ug/L	98
81) n-Propylbenzene	12.018	91	1346836	28.63	ug/L	100
82) Bromobenzene	12.024	156	261013	24.87	ug/L	93
83) 1,1,2,2-Tetrachloroethane	12.085	83	244055	23.65	ug/L	91
84) 1,3,5-Trimethylbenzene	12.219	105	953850	25.50	ug/L	99
85) 2-Chlorotoluene	12.207	91	927155	27.11	ug/L	98
86) trans-1,4-Dichloro-2-B...	12.280	53	66827	21.82	ug/L	94
87) 1,2,3-Trichloropropane	12.249	110	76709	25.06	ug/L	94
88) Cyclohexanone	12.316	55	62332	117.72	ug/L	94
89) 4-Chlorotoluene	12.383	91	878629	27.84	ug/L	100
90) a-Methyl Styrene	12.493	118	3974	0.21	ug/L	86

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19894.D
Acq On : 1 Nov 2013 9:29 am
Operator : melissam
Sample : BS
Misc : MS25564,VO792,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 09:14:05 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

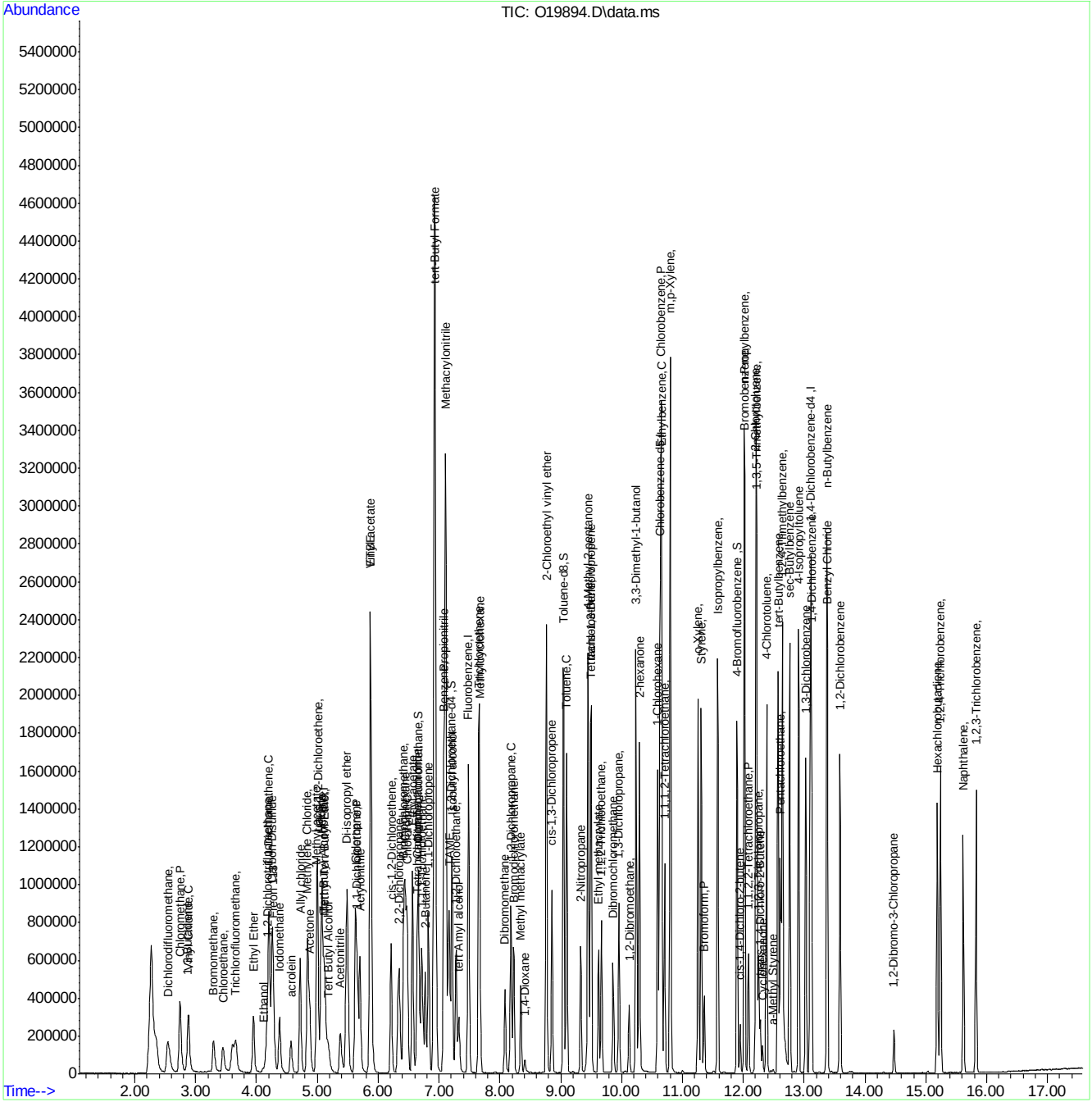
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	tert-Butylbenzene	12.572	91	611877	27.91	ug/L		99
92)	1,2,4-Trimethylbenzene	12.645	105	1028320	26.26	ug/L		99
93)	Pentachloroethane	12.609	167	167270	24.10	ug/L		95
94)	sec-Butylbenzene	12.761	105	1296297	28.82	ug/L		100
95)	4-Isopropyltoluene	12.908	119	1047723	27.25	ug/L		100
96)	1,3-Dichlorobenzene	13.030	146	521747	27.23	ug/L		99
97)	1,4-Dichlorobenzene	13.121	146	518252	24.93	ug/L		99
98)	n-Butylbenzene	13.377	92	618213	26.17	ug/L		92
99)	Benzyl Chloride	13.383	126	83765	20.68	ug/L	#	73
100)	1,2-Dichlorobenzene	13.590	146	499178	26.63	ug/L		98
101)	1,2-Dibromo-3-Chloropr...	14.474	75	47212	23.78	ug/L		97
102)	Hexachlorobutadiene	15.194	225	239265	27.11	ug/L		93
103)	1,2,4-Trichlorobenzene	15.243	180	385887	25.32	ug/L		99
104)	Naphthalene	15.614	128	758465	23.88	ug/L		99
105)	1,2,3-Trichlorobenzene	15.828	180	351044	25.32	ug/L		98
107)	Ethanol	4.123	45	54235	447.75	ug/L		87
108)	acrolein	4.568	56	184519	98.70	ug/L		95
109)	Tert Butyl Alcohol	5.177	59	241941	223.84	ug/L		99
110)	tert Amyl alcohol	7.323	59	182253	222.45	ug/L		97
111)	Isobutyl alcohol	7.214	42	128138	417.64	ug/L		92
112)	1,4-Dioxane	8.415	88	33910	471.57	ug/L		94
113)	3,3-Dimethyl-1-butanol	10.237	57	903120	1049.32	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19894.D
Acq On : 1 Nov 2013 9:29 am
Operator : melissam
Sample : BS
Misc : MS25564,VO792,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 09:14:05 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



Manual Integration Approval Summary

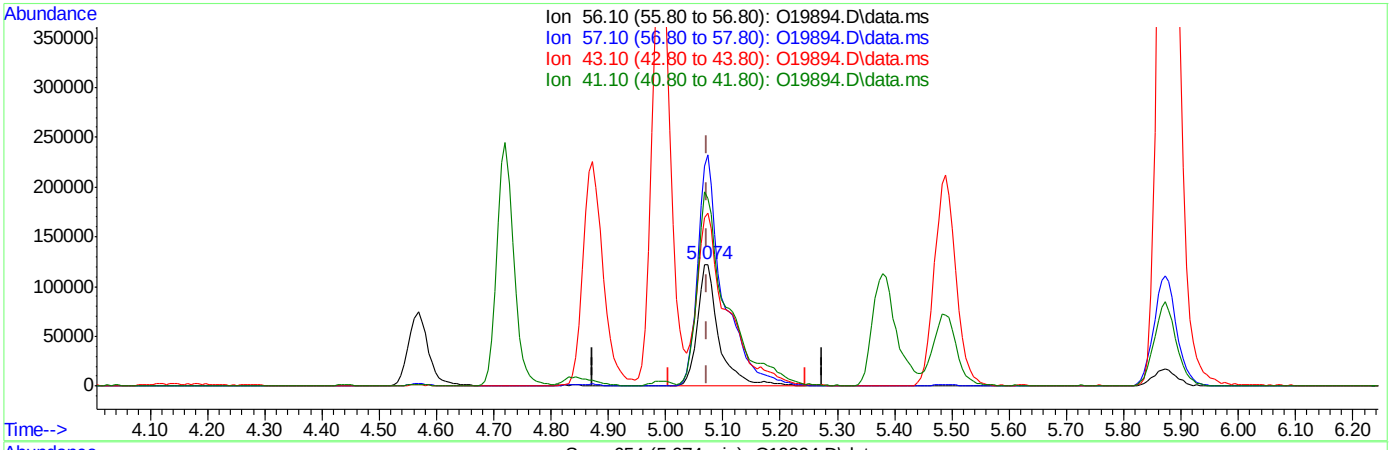
Sample Number:	VO792-BS	**Method:**	SW846 8260B
Lab FileID:	O19894.D	**Analyst approved:**	11/01/13 10:15 Melissa Mangual
Injection Time:	11/01/13 09:29	**Supervisor approved:**	11/04/13 11:16 Juan Garcia

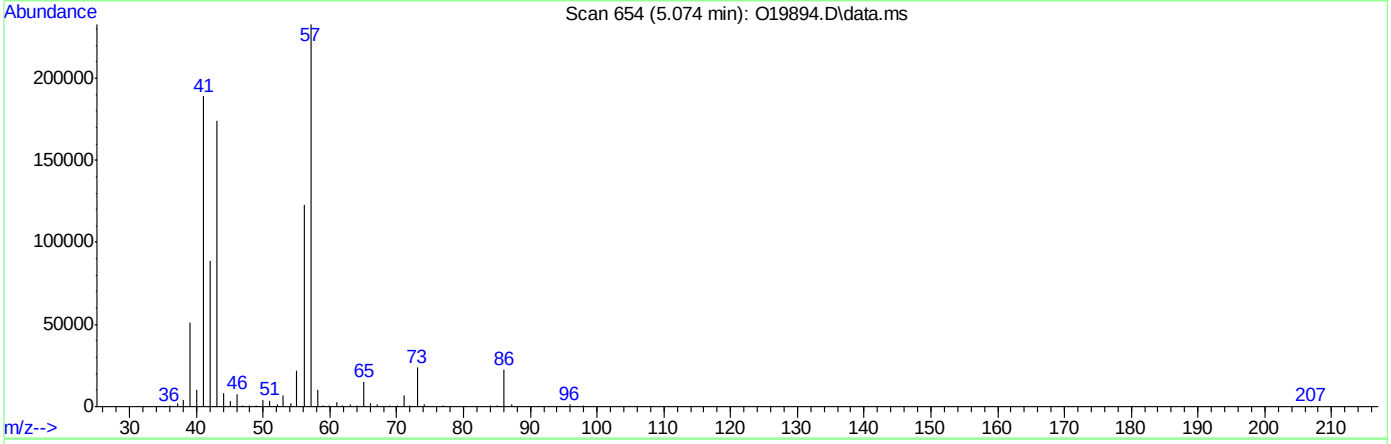
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\110113\
Data File : O19894.D
Acq On : 1 Nov 2013 9:29 am
Operator : melissam
Sample : BS
Misc : MS25564,VO792,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 10:13:36 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19894.D\data.ms

(20) Hexane

5.074min (+0.000) 28.78ug/L

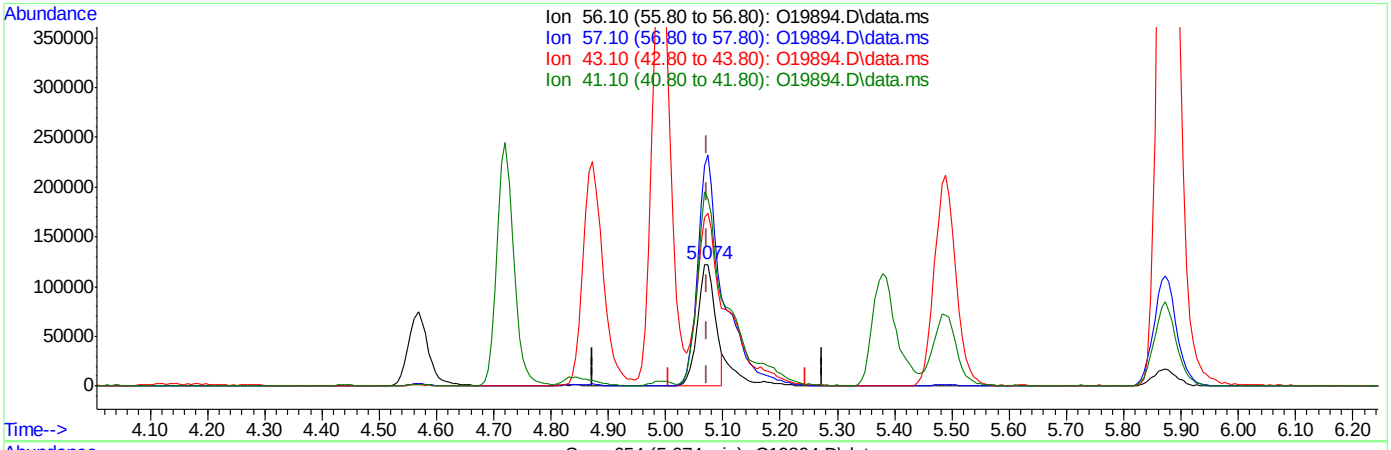
response 324977

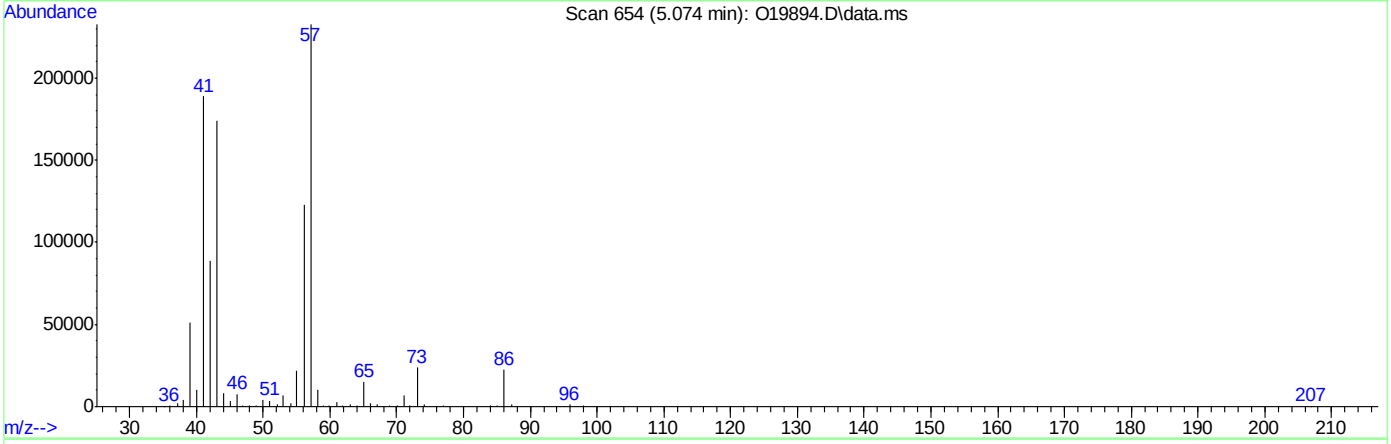
Ion	Exp%	Act%
56.10	100	100
57.10	188.10	189.84
43.10	142.00	140.58
41.10	160.40	152.48

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\1\data\110113\
Data File : O19894.D
Acq On    :  1 Nov 2013   9:29 am
Operator  : melissam
Sample    : BS
Misc      : MS25564,VO792,,,,,
ALS Vial  : 2   Sample Multiplier: 1

Quant Time: Nov 01 10:13:36 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title  : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration
```





TIC: O19894.D\data.ms

(20) Hexane

5.074min (+0.000) 23.91ug/L m

response 269993

Ion	Exp%	Act%
56.10	100	100
57.10	188.10	189.84
43.10	142.00	142.23
41.10	160.40	154.03

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 11:22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15275.D
Acq On : 31 Oct 2013 8:44 pm
Operator : WILFREDO
Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 09:47:41 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.595	96	1421878	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.698	117	1113785	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	551894	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.193	65	87351	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.772	113	377473	46.83	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.66%			
44) 1,2-Dichloroethane-d4	7.327	65	438351	47.85	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 95.70%			
55) Toluene-d8	9.144	98	1363904	46.44	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 92.88%			
77) 4-Bromofluorobenzene	11.918	174	390295	45.40	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 90.80%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	236943	32.77	ug/L	62
3) Chloromethane	2.883	50	289774	25.44	ug/L	84
4) Vinyl Chloride	3.011	62	319344	24.01	ug/L	81
5) Bromomethane	3.413	94	237179	22.99	ug/L	99
6) Chloroethane	3.560	64	175430	22.98	ug/L #	100
7) Trichlorofluoromethane	3.712	101	439343	21.32	ug/L	62
8) Ethyl Ether	4.029	59	189593	24.46	ug/L	77
9) 1,2-Dichlorotrifluoroe...	4.267	67	375088	29.48	ug/L	94
10) 1,1-Dichloroethene	4.291	61	448027	31.19	ug/L	67
11) Freon 113	4.352	101	312885	27.00	ug/L #	52
12) Carbon Disulfide	4.352	76	725032	21.38	ug/L	98
13) Iodomethane	4.474	142	510225	26.20	ug/L	74
14) Allyl chloride	4.803	41	316390	22.65	ug/L	88
15) Methylene Chloride	4.925	49	329116	29.24	ug/L	93
16) Acetone	4.968	43	199158	82.91	ug/L	83
17) Methyl acetate	5.078	43	576113m	98.79	ug/L	
18) trans-1,2-Dichloroethene	5.090	61	331467	28.58	ug/L	89
19) Hexane	5.133	56	149564m	26.26	ug/L	
20) Methyl Tert Butyl Ether	5.200	73	452827	22.51	ug/L	80
21) Acetonitrile	5.492	41	154527	212.20	ug/L	90
22) Di-isopropyl ether	5.565	45	640642	24.87	ug/L	90
23) Chloroprene	5.718	53	314371	27.21	ug/L #	95
24) 1,1-Dichloroethane	5.748	63	427508	28.94	ug/L	79
25) Acrylonitrile	5.815	53	252041	118.44	ug/L	83
26) ETBE	5.962	59	566733	24.06	ug/L	90
27) Vinyl acetate	5.968	43	1395845	124.41	ug/L	84
28) cis-1,2-Dichloroethene	6.315	96	230838	28.07	ug/L	77
29) 2,2-Dichloropropane	6.437	77	267613	24.21	ug/L	97
30) Bromochloromethane	6.529	128	103654	24.60	ug/L #	44
31) Cyclohexane	6.535	56	365585	30.16	ug/L #	47
32) Chloroform	6.577	83	427472	27.77	ug/L	75
33) Ethyl acetate	6.669	43	635457	108.66	ug/L	91
34) Tetrahydrofuran	6.754	42	39457	22.18	ug/L #	70

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15275.D
Acq On : 31 Oct 2013 8:44 pm
Operator : WILFREDO
Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 09:47:41 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon Tetrachloride	6.748	117	309775	28.92	ug/L		94
37) 1,1,1-Trichloroethane	6.821	97	359218	29.21	ug/L		87
38) 2-Butanone	6.888	43	324670	102.63	ug/L		75
39) 1,1-Dichloropropene	6.925	75	329052	31.37	ug/L		73
40) Propionitrile	7.217	54	201283	221.13	ug/L		80
41) Methacrylonitrile	7.230	41	1068426	233.62	ug/L		92
42) Benzene	7.187	78	900963	29.15	ug/L		75
43) TAME	7.266	73	538268	24.27	ug/L		95
45) 1,2-Dichloroethane	7.394	62	304411	27.89	ug/L		76
46) Trichloroethene	7.754	95	254140	30.06	ug/L		76
47) Methylcyclohexane	7.760	83	372650	28.14	ug/L		90
48) Dibromomethane	8.199	93	138911	27.06	ug/L		93
49) 1,2-Dichloropropane	8.290	63	233895	28.66	ug/L		82
50) Bromodichloromethane	8.333	83	296315	27.72	ug/L	#	89
51) Methyl methacrylate	8.449	41	127124	24.25	ug/L	#	67
53) cis-1,3-Dichloropropene	8.955	75	324358	25.71	ug/L	#	68
56) Toluene	9.193	91	975355	28.61	ug/L		93
57) 2-Nitropropane	9.437	41	155543	114.32	ug/L	#	77
58) 4-Methyl-2-pentanone	9.546	43	804817	133.71	ug/L		87
59) trans-1,3-Dichloropropene	9.595	75	316873	29.37	ug/L		89
60) Tetrachloroethene	9.583	166	242395	25.95	ug/L		93
61) Ethyl methacrylate	9.711	69	193206	22.42	ug/L		84
62) 1,1,2-Trichloroethane	9.766	83	160989	27.20	ug/L		96
63) Dibromochloromethane	9.949	129	193460	25.58	ug/L		86
64) 1,3-Dichloropropane	10.046	76	319288	27.23	ug/L		75
65) 1,2-Dibromoethane	10.211	107	179065	27.11	ug/L		92
66) 2-hexanone	10.369	43	519485	115.46	ug/L		90
67) 1-Chlorohexane	10.650	91	290931	26.59	ug/L	#	68
68) Ethylbenzene	10.717	91	1204800	29.14	ug/L		90
69) Chlorobenzene	10.717	112	707824	30.82	ug/L		88
70) 1,1,1,2-Tetrachloroethane	10.772	131	222437	29.23	ug/L	#	72
71) m,p-Xylene	10.857	91	1807006	62.21	ug/L		95
72) o-Xylene	11.296	91	834750	31.59	ug/L		92
73) Styrene	11.351	104	591962	25.96	ug/L		88
74) Bromoform	11.406	173	103981	23.10	ug/L		87
75) Isopropylbenzene	11.607	105	1060391	32.26	ug/L		82
78) cis-1,4-Dichloro-2-butene	11.973	53	25335	15.69	ug/L	#	67
79) n-Propylbenzene	12.028	91	1340159	32.32	ug/L		87
80) Bromobenzene	12.040	156	271792	27.44	ug/L		86
81) 1,1,2,2-Tetrachloroethane	12.101	83	236940m	27.17	ug/L		
82) 1,3,5-Trimethylbenzene	12.217	105	917638	28.74	ug/L		93
83) 2-Chlorotoluene	12.210	91	906751	30.82	ug/L		95
84) trans-1,4-Dichloro-2-B...	12.284	53	30318	18.42	ug/L	#	76
85) 1,2,3-Trichloropropane	12.265	110	61758	26.67	ug/L		69
86) Cyclohexanone	12.326	55	14968	68.67	ug/L	#	74
87) 4-Chlorotoluene	12.381	91	798910	32.58	ug/L		80
88) tert-Butylbenzene	12.552	91	508576	31.85	ug/L		98
89) 1,2,4-Trimethylbenzene	12.625	105	885665	28.07	ug/L		95
90) Pentachloroethane	12.601	167	140107	30.46	ug/L	#	52
91) sec-Butylbenzene	12.735	105	1197273	33.10	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15275.D
Acq On : 31 Oct 2013 8:44 pm
Operator : WILFREDO
Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 09:47:41 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 4-Isopropyltoluene	12.875	119	946614	31.78	ug/L		86
93) 1,3-Dichlorobenzene	12.997	146	504941	30.89	ug/L		76
94) 1,4-Dichlorobenzene	13.088	146	534441	27.77	ug/L	#	76
95) n-Butylbenzene	13.308	92	538827	28.41	ug/L		94
96) Benzyl Chloride	13.332	126	50789	17.57	ug/L	#	1
97) 1,2-Dichlorobenzene	13.521	146	457952	29.34	ug/L		89
98) 1,2-Dibromo-3-Chloropr...	14.277	75	31730	28.06	ug/L	#	58
99) Hexachlorobutadiene	14.820	225	143684	28.35	ug/L		85
100) 1,2,4-Trichlorobenzene	14.868	180	290834	27.47	ug/L		86
101) Naphthalene	15.161	128	561204	27.83	ug/L		98
102) 1,2,3-Trichlorobenzene	15.326	180	254683	28.38	ug/L		86
104) Ethanol	4.188	45	29934m	501.42	ug/L		
105) Acrolein	4.663	56	101251	99.37	ug/L		88
106) Tert Butyl Alcohol	5.273	59	104258	252.08	ug/L	#	100
107) Isobutyl alcohol	7.327	42	61059	473.08	ug/L	#	34
108) Tert Amyl Alcohol	7.437	59	84566	253.83	ug/L	#	45
109) 1,4-Dioxane	8.528	88	18391	431.15	ug/L		80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
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Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

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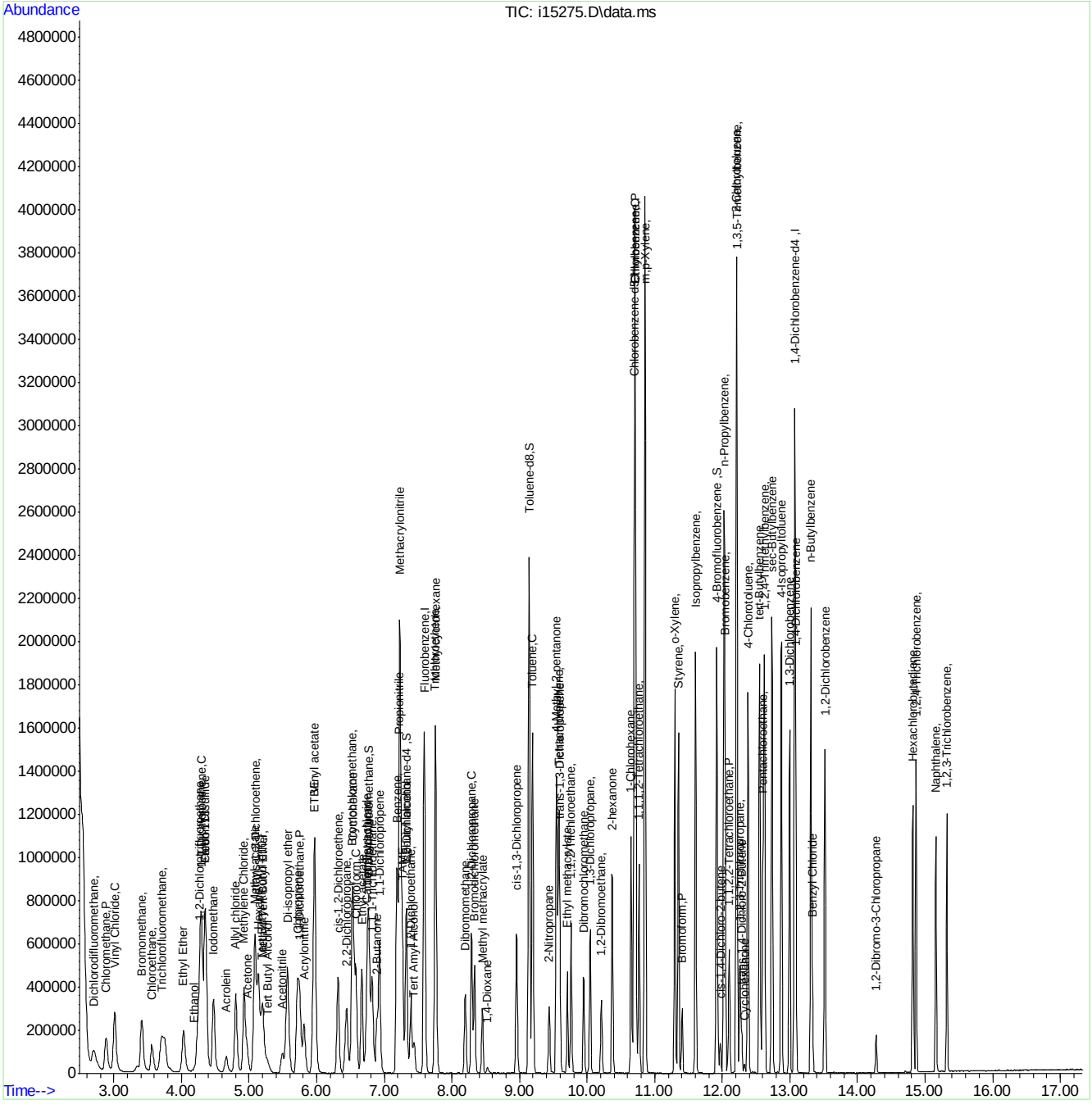
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number:	FA9241-2MS	**Method:**	SW846 8260B
Lab FileID:	I15275.D	**Analyst approved:**	11/01/13 10:17 Wilfredo Vazquez
Injection Time:	10/31/13 20:44	**Supervisor approved:**	11/01/13 11:22 Juan Garcia

Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		4.19	Missed peak
Methyl Acetate	79-20-9		5.08	Overlapping peak
Hexane	110-54-3		5.13	Overlapping peak
1,1,2,2-Tetrachloroethane	79-34-5		12.10	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15275.D
Acq On : 31 Oct 2013 8:44 pm
Operator : WILFREDO
Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
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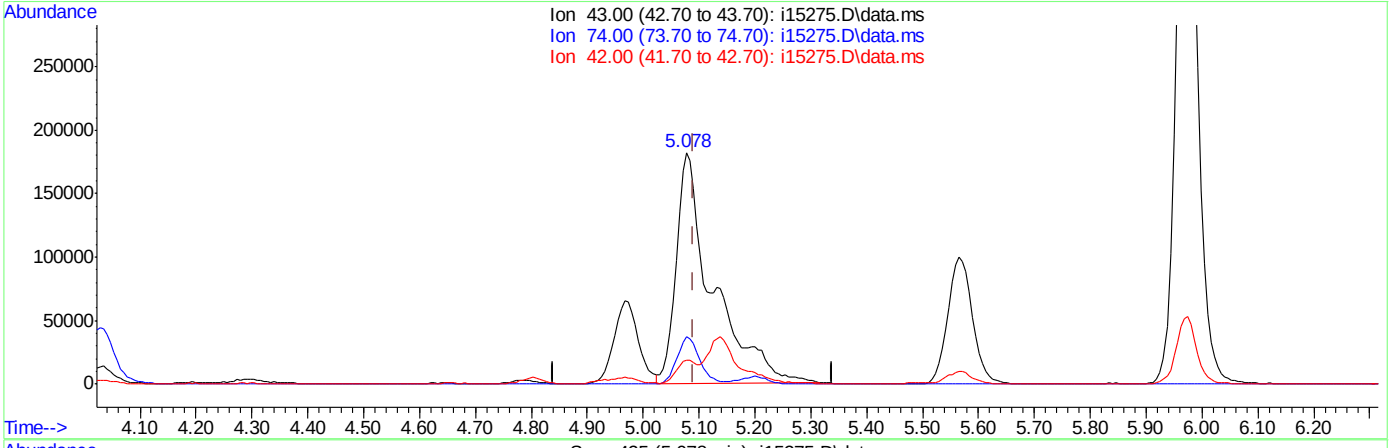
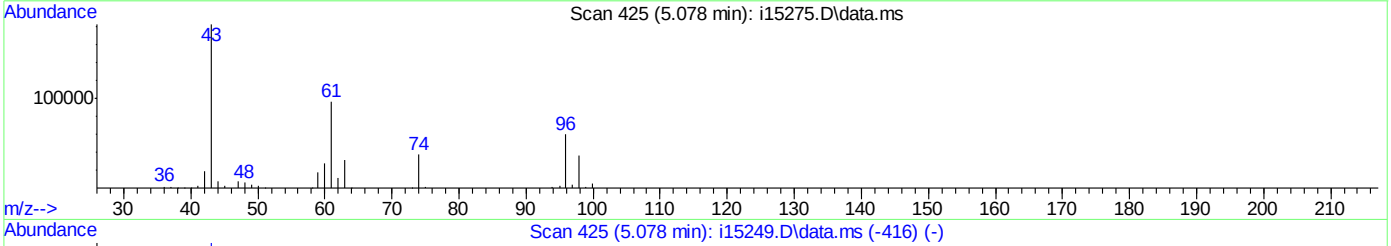
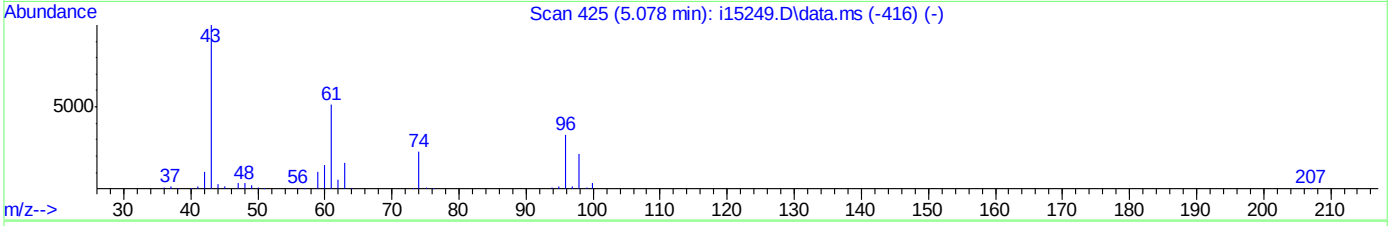






TIC: i15275.D\data.ms

(17) Methyl acetate

5.078min (-0.012) 139.66ug/L

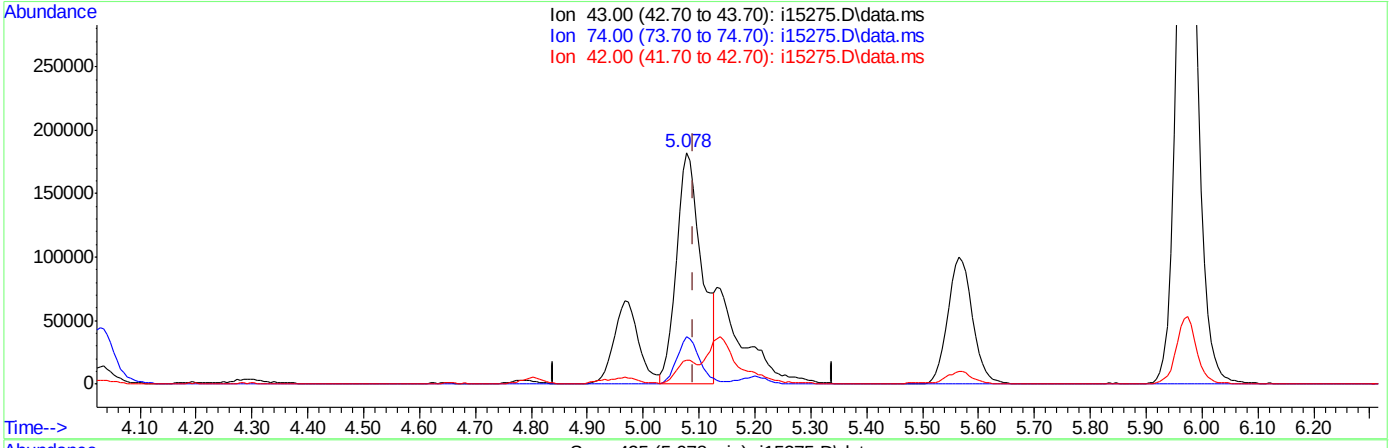
response 820999

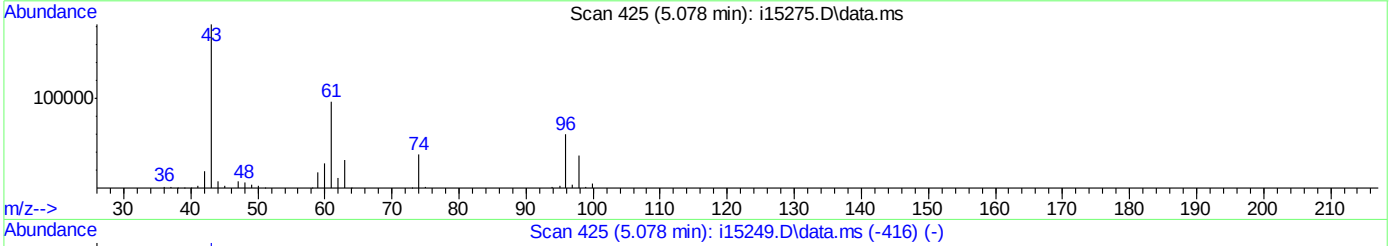
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	20.56
42.00	14.70	9.91
0.00	0.00	0.00

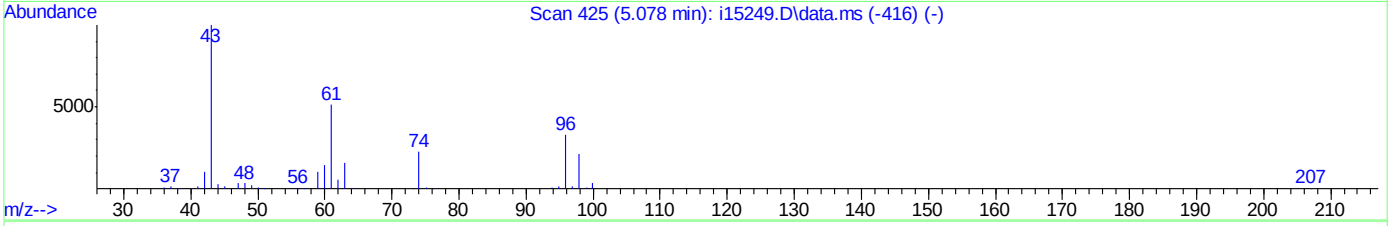
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15275.D
Acq On : 31 Oct 2013 8:44 pm
Operator : WILFREDO
Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15275.D\data.ms

(17) Methyl acetate

5.078min (-0.012) 98.79ug/L m

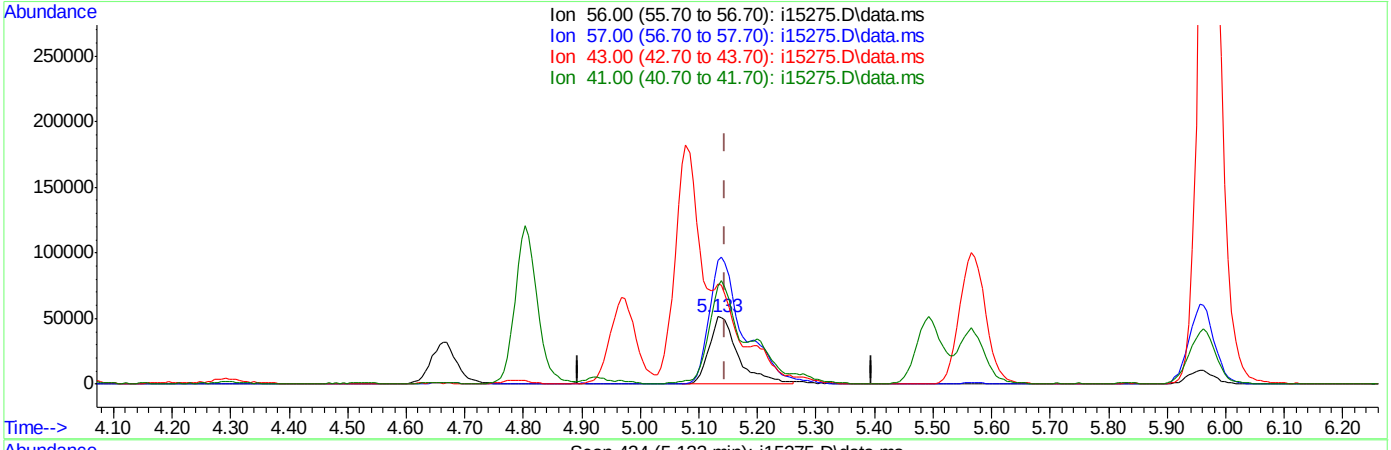
response 576113

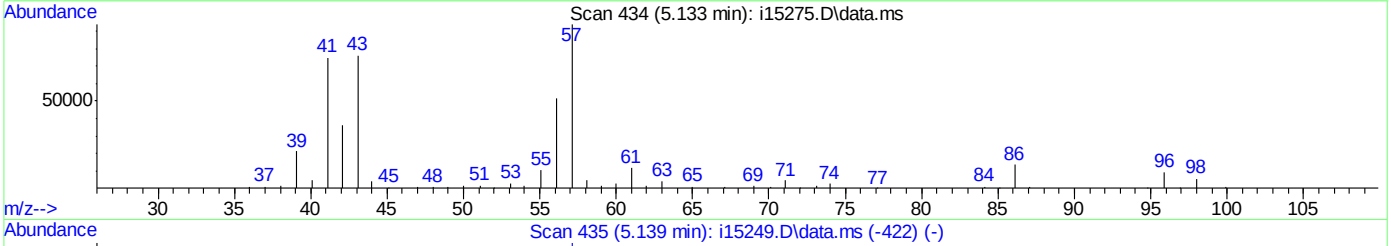
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	20.38
42.00	14.70	10.11
0.00	0.00	0.00

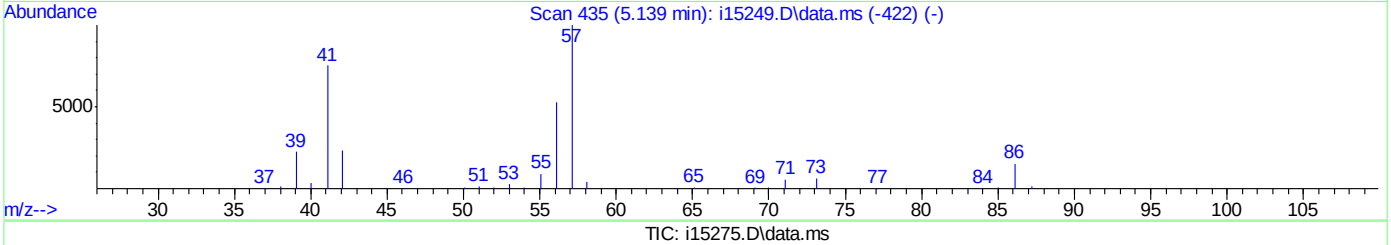
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15275.D
Acq On : 31 Oct 2013 8:44 pm
Operator : WILFREDO
Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15275.D\data.ms

(19) Hexane

5.133min (-0.012) 31.22ug/L

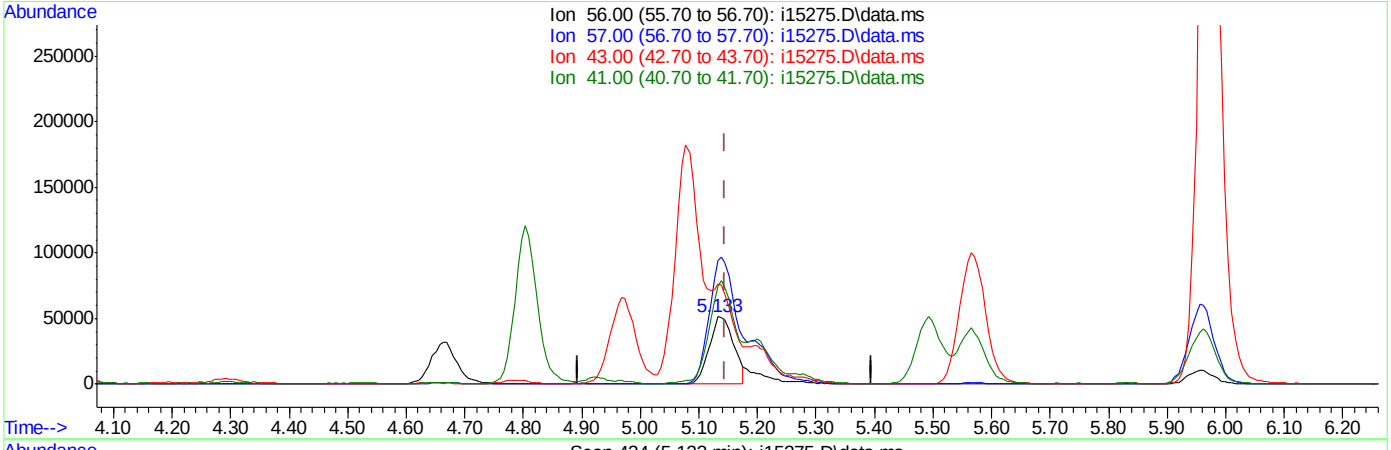
response 177808

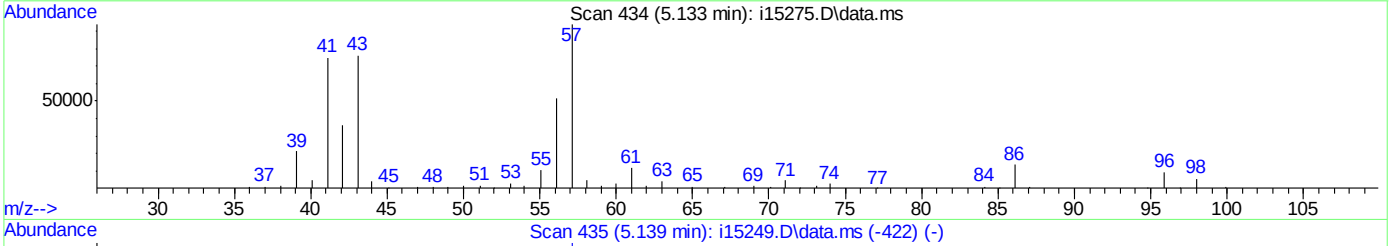
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	182.55#
43.00	185.00	137.13#
41.00	125.10	140.91

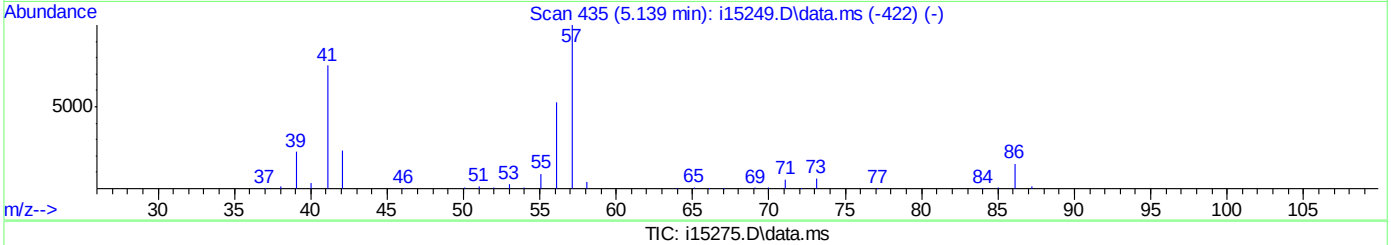
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15275.D
Acq On : 31 Oct 2013 8:44 pm
Operator : WILFREDO
Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15275.D\data.ms

(19) Hexane

5.133min (-0.012) 26.26ug/L m

response 149564

Ion	Exp%	Act%
56.00	100	100
57.00	157.00	182.55#
43.00	185.00	147.97#
41.00	125.10	145.62#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15275.D
Acq On : 31 Oct 2013 8:44 pm
Operator : WILFREDO
Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
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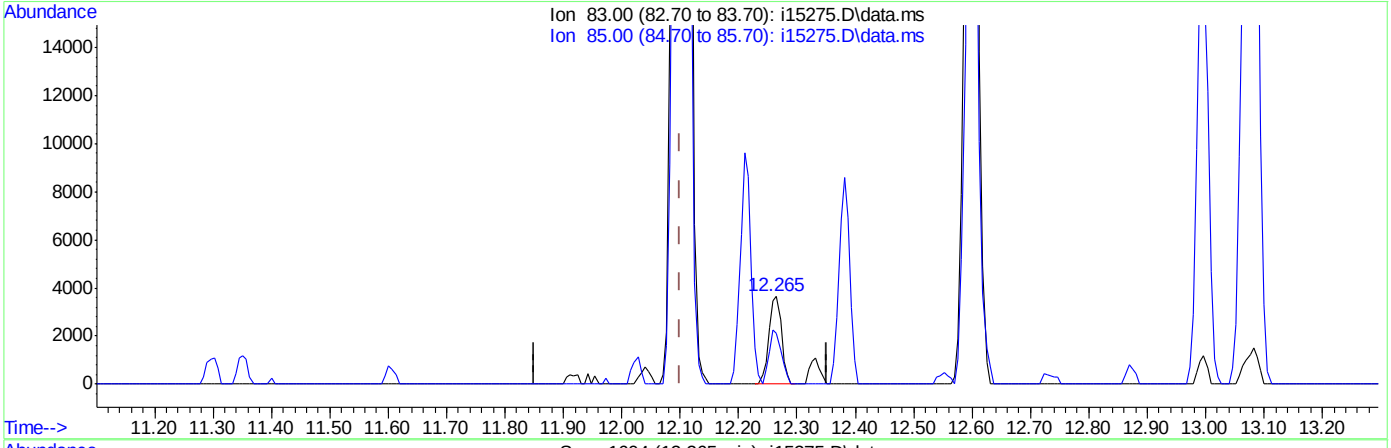

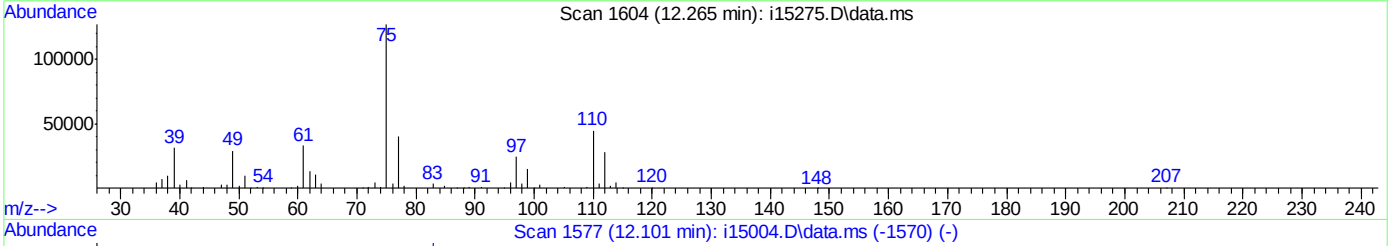

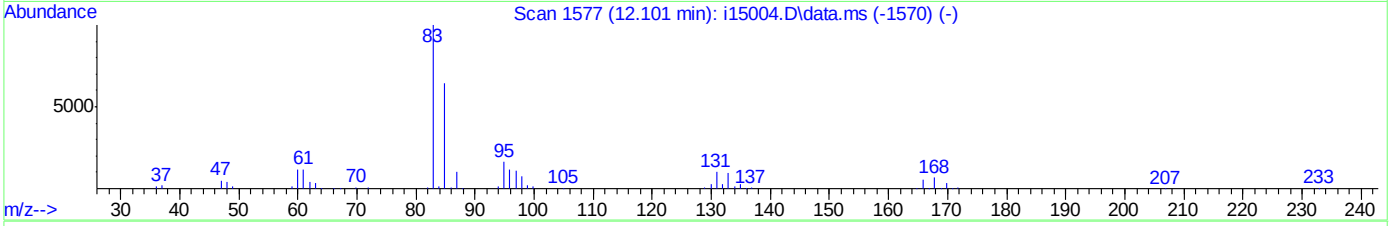

TIC: i15275.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.265min (+0.164) 0.62ug/L

response 5394

Ion	Exp%	Act%
83.00	100	100
85.00	32.20	58.09
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15275.D
Acq On : 31 Oct 2013 8:44 pm
Operator : WILFREDO
Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
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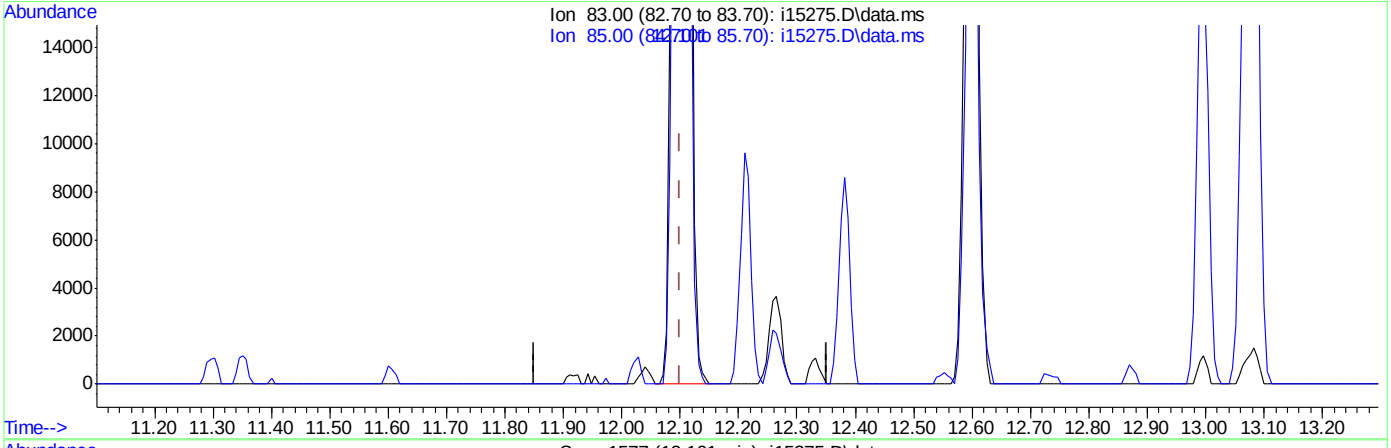

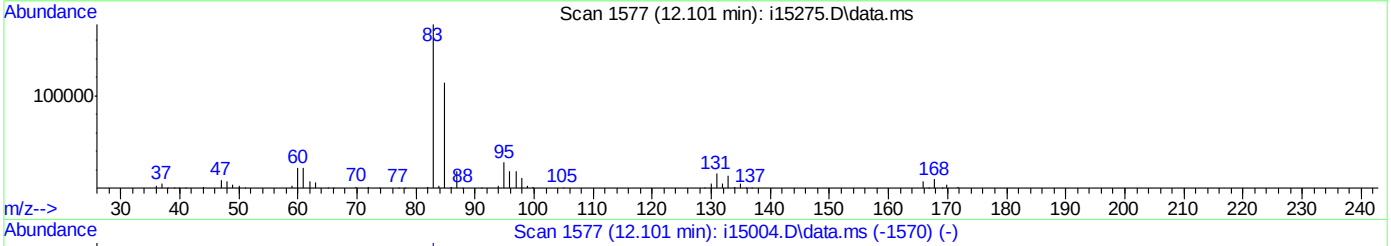

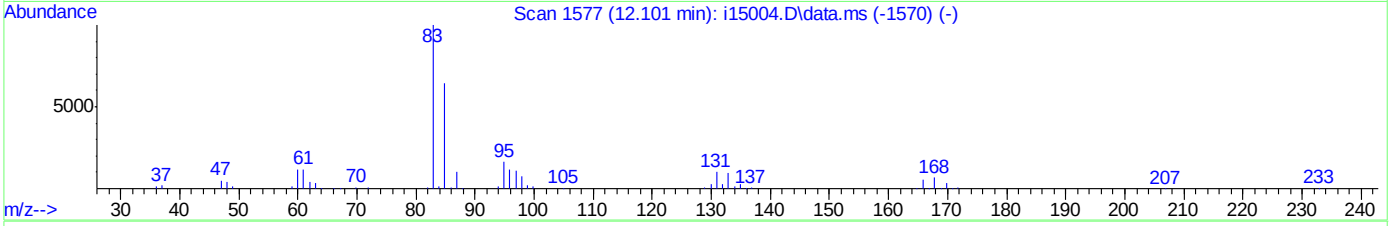

TIC: i15275.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.101min (-0.000) 27.17ug/L m

response 236940

Ion	Exp%	Act%
83.00	100	100
85.00	32.20	64.23#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15275.D
Acq On : 31 Oct 2013 8:44 pm
Operator : WILFREDO
Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
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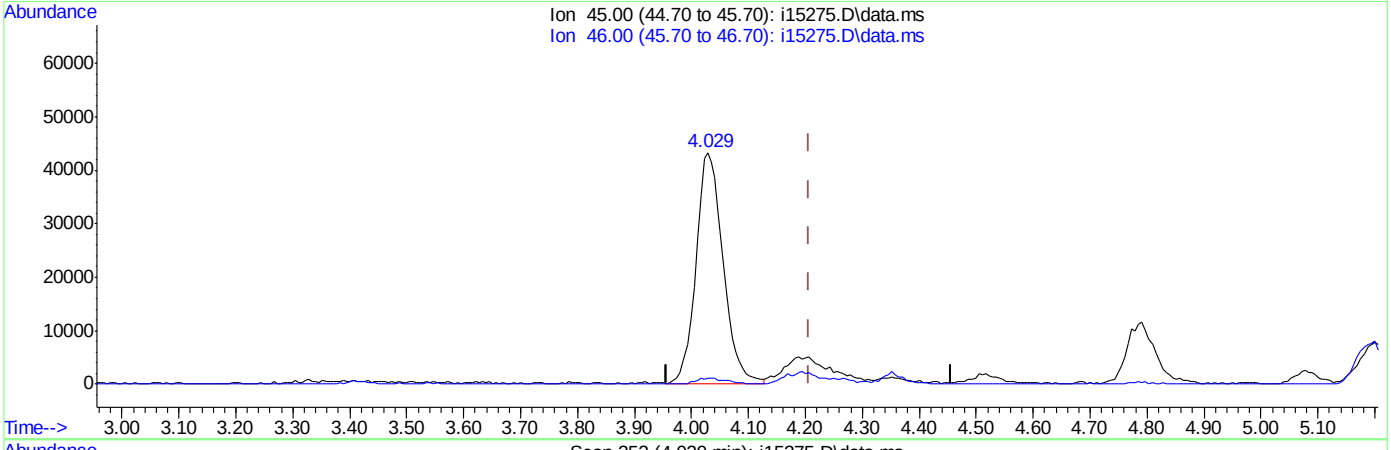
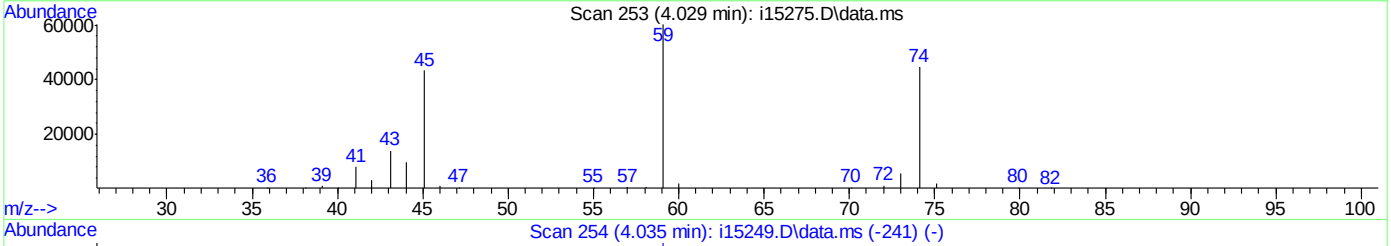
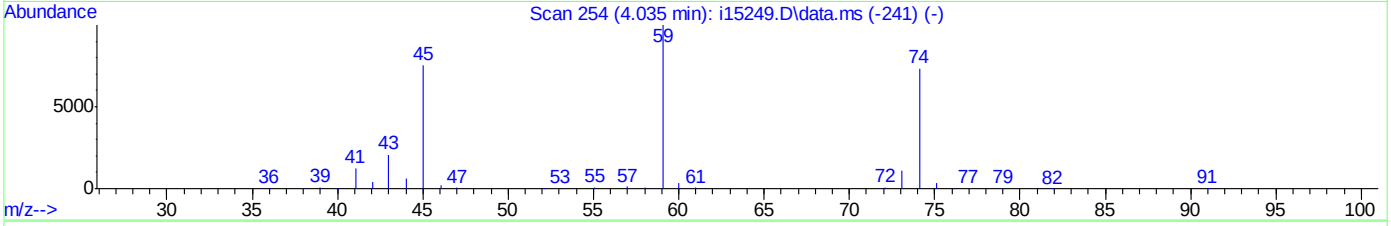
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15275.D\data.ms

(104) Ethanol

4.029min (-0.177) 2400.56ug/L

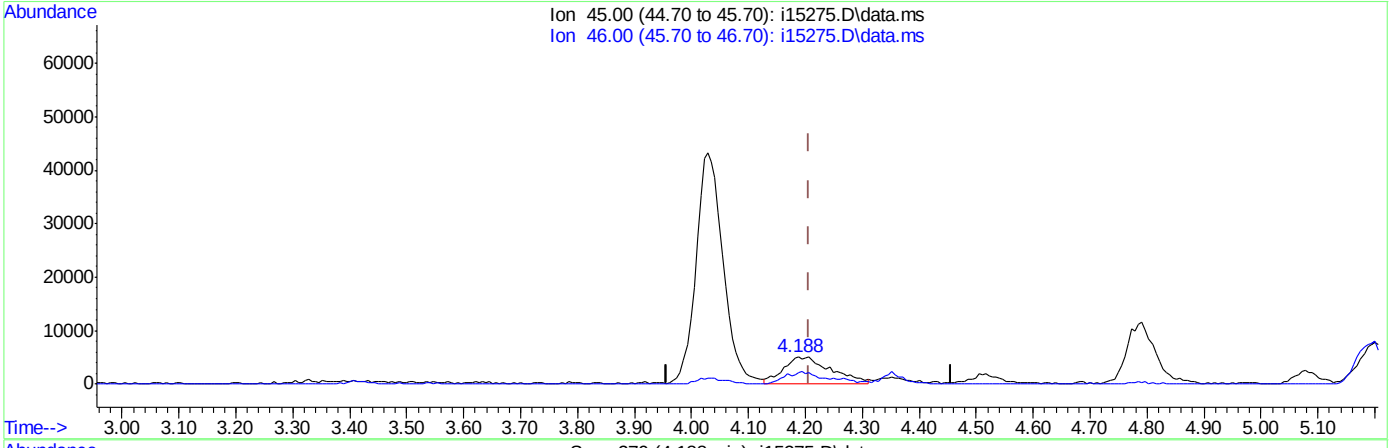
response 143309

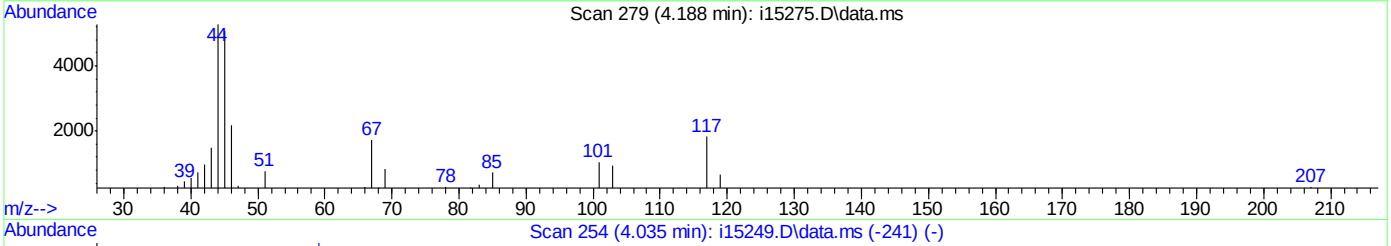
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.42
0.00	0.00	0.00
0.00	0.00	0.00

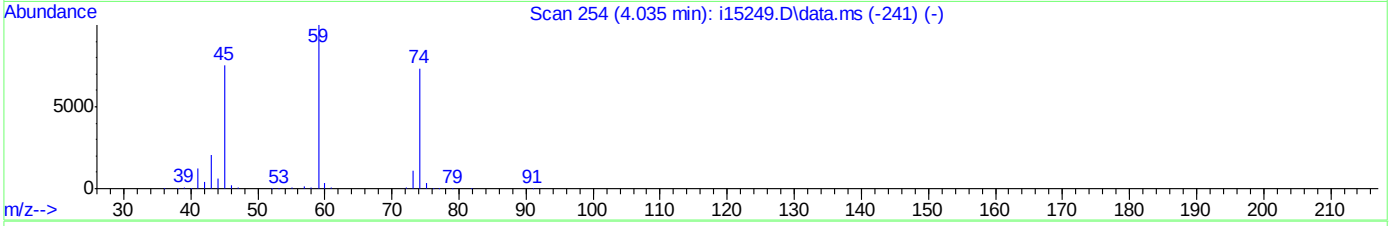
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15275.D
Acq On : 31 Oct 2013 8:44 pm
Operator : WILFREDO
Sample : FA9241-2ms
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15275.D\data.ms

(104) Ethanol

4.188min (-0.018) 501.42ug/L m

response 29934

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	42.65#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 11:22

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On : 31 Oct 2013 9:07 pm
Operator : WILFREDO
Sample : FA9241-2msd
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 09:48:54 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1513936	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1154489	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	573422	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	100486	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	399091	46.50	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.00%			
44) 1,2-Dichloroethane-d4	7.327	65	462023	47.37	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 94.74%			
55) Toluene-d8	9.144	98	1438558	47.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.50%			
77) 4-Bromofluorobenzene	11.918	174	410129	45.92	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 91.84%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.700	85	249214	32.37	ug/L	63
3) Chloromethane	2.883	50	301461	24.86	ug/L	87
4) Vinyl Chloride	3.011	62	336335	23.75	ug/L	78
5) Bromomethane	3.414	94	245110	22.31	ug/L	98
6) Chloroethane	3.560	64	180678	22.17	ug/L #	100
7) Trichlorofluoromethane	3.718	101	449525m	20.50	ug/L	
8) Ethyl Ether	4.029	59	202901	24.59	ug/L #	75
9) 1,2-Dichlorotrifluoroe...	4.255	67	384459	28.38	ug/L	93
10) 1,1-Dichloroethene	4.291	61	472313	30.89	ug/L	67
11) Freon 113	4.346	101	311725	25.26	ug/L #	45
12) Carbon Disulfide	4.352	76	691240	19.14	ug/L	98
13) Iodomethane	4.474	142	535315	25.82	ug/L	75
14) Allyl chloride	4.803	41	302136	20.32	ug/L	87
15) Methylene Chloride	4.925	49	344490	28.75	ug/L	91
16) Acetone	4.974	43	217485	85.01	ug/L	81
17) Methyl acetate	5.078	43	565171m	91.16	ug/L	
18) trans-1,2-Dichloroethene	5.090	61	335937	27.20	ug/L	88
19) Hexane	5.139	56	148773m	24.53	ug/L	
20) Methyl Tert Butyl Ether	5.200	73	489344	22.84	ug/L	81
21) Acetonitrile	5.492	41	170072	219.35	ug/L	86
22) Di-isopropyl ether	5.566	45	684036	24.94	ug/L	93
23) Chloroprene	5.718	53	311108	25.29	ug/L #	94
24) 1,1-Dichloroethane	5.748	63	442307	28.12	ug/L	80
25) Acrylonitrile	5.815	53	264753	116.85	ug/L	81
26) ETBE	5.962	59	597184	23.82	ug/L	91
27) Vinyl acetate	5.974	43	1464832	122.62	ug/L	84
28) cis-1,2-Dichloroethene	6.315	96	246050	28.10	ug/L	81
29) 2,2-Dichloropropane	6.437	77	276031	23.45	ug/L	95
30) Bromochloromethane	6.529	128	111269	24.80	ug/L #	48
31) Cyclohexane	6.535	56	366011	28.36	ug/L #	46
32) Chloroform	6.578	83	446037	27.22	ug/L	75
33) Ethyl acetate	6.669	43	675227	108.44	ug/L	90
34) Tetrahydrofuran	6.760	42	44355	23.41	ug/L #	69

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On : 31 Oct 2013 9:07 pm
Operator : WILFREDO
Sample : FA9241-2msd
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 09:48:54 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon Tetrachloride	6.748	117	286043	25.08	ug/L		93
37) 1,1,1-Trichloroethane	6.821	97	364077	27.81	ug/L		88
38) 2-Butanone	6.895	43	355127	105.43	ug/L		76
39) 1,1-Dichloropropene	6.931	75	331755	29.70	ug/L		73
40) Propionitrile	7.218	54	220063	227.06	ug/L		95
41) Methacrylonitrile	7.236	41	1131348	232.34	ug/L		91
42) Benzene	7.187	78	934379	28.40	ug/L		74
43) TAME	7.266	73	566761	24.00	ug/L		95
45) 1,2-Dichloroethane	7.394	62	316859	27.26	ug/L		77
46) Trichloroethene	7.760	95	268558	29.83	ug/L	#	70
47) Methylcyclohexane	7.760	83	367639	26.08	ug/L		91
48) Dibromomethane	8.199	93	142734	26.11	ug/L		94
49) 1,2-Dichloropropane	8.297	63	243743	28.05	ug/L		80
50) Bromodichloromethane	8.339	83	277410	24.37	ug/L	#	90
51) Methyl methacrylate	8.449	41	134762	24.15	ug/L	#	66
52) 2-Chloroethyl vinyl ether	8.961	63	1765	0.37	ug/L	#	6
53) cis-1,3-Dichloropropene	8.961	75	308411	22.96	ug/L	#	66
56) Toluene	9.193	91	997706	28.23	ug/L		91
57) 2-Nitropropane	9.443	41	167131	118.51	ug/L	#	77
58) 4-Methyl-2-pentanone	9.546	43	856662	137.31	ug/L		86
59) trans-1,3-Dichloropropene	9.595	75	298778	26.72	ug/L		91
60) Tetrachloroethene	9.583	166	240120	24.80	ug/L		93
61) Ethyl methacrylate	9.711	69	206648	23.13	ug/L		85
62) 1,1,2-Trichloroethane	9.766	83	167457	27.29	ug/L		96
63) Dibromochloromethane	9.949	129	182872	23.33	ug/L		89
64) 1,3-Dichloropropane	10.046	76	331900	27.31	ug/L		74
65) 1,2-Dibromoethane	10.211	107	185092	27.03	ug/L		95
66) 2-hexanone	10.369	43	553108	118.60	ug/L		88
67) 1-Chlorohexane	10.650	91	283165	24.97	ug/L	#	67
68) Ethylbenzene	10.717	91	1199726	27.99	ug/L		90
69) Chlorobenzene	10.717	112	713447	29.97	ug/L		89
70) 1,1,1,2-Tetrachloroethane	10.772	131	217993	27.64	ug/L	#	70
71) m,p-Xylene	10.857	91	1778527	59.07	ug/L		96
72) o-Xylene	11.296	91	839650	30.65	ug/L		91
73) Styrene	11.351	104	574297	24.36	ug/L		87
74) Bromoform	11.406	173	96176	20.74	ug/L		87
75) Isopropylbenzene	11.607	105	1065055	31.30	ug/L		83
78) cis-1,4-Dichloro-2-butene	11.973	53	22966	13.69	ug/L	#	72
79) n-Propylbenzene	12.028	91	1327725	30.82	ug/L		86
80) Bromobenzene	12.040	156	279555	27.17	ug/L		88
81) 1,1,2,2-Tetrachloroethane	12.101	83	245066	27.05	ug/L	#	43
82) 1,3,5-Trimethylbenzene	12.217	105	883608	26.64	ug/L		92
83) 2-Chlorotoluene	12.211	91	902845	29.53	ug/L		95
84) trans-1,4-Dichloro-2-B...	12.284	53	28453	16.70	ug/L	#	66
85) 1,2,3-Trichloropropane	12.265	110	65034	27.03	ug/L		68
86) Cyclohexanone	12.332	55	17952	79.26	ug/L	#	68
87) 4-Chlorotoluene	12.381	91	794240	31.17	ug/L		80
88) tert-Butylbenzene	12.552	91	516065	31.11	ug/L		99
89) 1,2,4-Trimethylbenzene	12.625	105	871405	26.58	ug/L		97
90) Pentachloroethane	12.601	167	132244	27.67	ug/L	#	52

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On : 31 Oct 2013 9:07 pm
Operator : WILFREDO
Sample : FA9241-2msd
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 09:48:54 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) sec-Butylbenzene	12.735	105	1194287	31.78 ug/L	96
92) 4-Isopropyltoluene	12.875	119	935797	30.24 ug/L	87
93) 1,3-Dichlorobenzene	12.997	146	503071	29.62 ug/L	78
94) 1,4-Dichlorobenzene	13.088	146	533165	26.67 ug/L #	76
95) n-Butylbenzene	13.308	92	523436	26.57 ug/L	93
96) Benzyl Chloride	13.332	126	49051	16.38 ug/L #	1
97) 1,2-Dichlorobenzene	13.521	146	466345	28.76 ug/L	90
98) 1,2-Dibromo-3-Chloropr...	14.277	75	30728	26.15 ug/L #	67
99) Hexachlorobutadiene	14.820	225	148403	28.18 ug/L	83
100) 1,2,4-Trichlorobenzene	14.869	180	298589	27.15 ug/L	85
101) Naphthalene	15.161	128	595295	28.41 ug/L	99
102) 1,2,3-Trichlorobenzene	15.326	180	265415	28.47 ug/L	87
104) Ethanol	4.200	45	39020m	568.18 ug/L	
105) Acrolein	4.663	56	104287	88.97 ug/L	91
106) Tert Butyl Alcohol	5.273	59	121567	255.51 ug/L #	100
107) Isobutyl alcohol	7.327	42	70422	474.30 ug/L #	42
108) Tert Amyl Alcohol	7.437	59	97829	255.25 ug/L #	45
109) 1,4-Dioxane	8.528	88	24165	492.46 ug/L	78

(#) = qualifier out of range (m) = manual integration (+) = signals summed

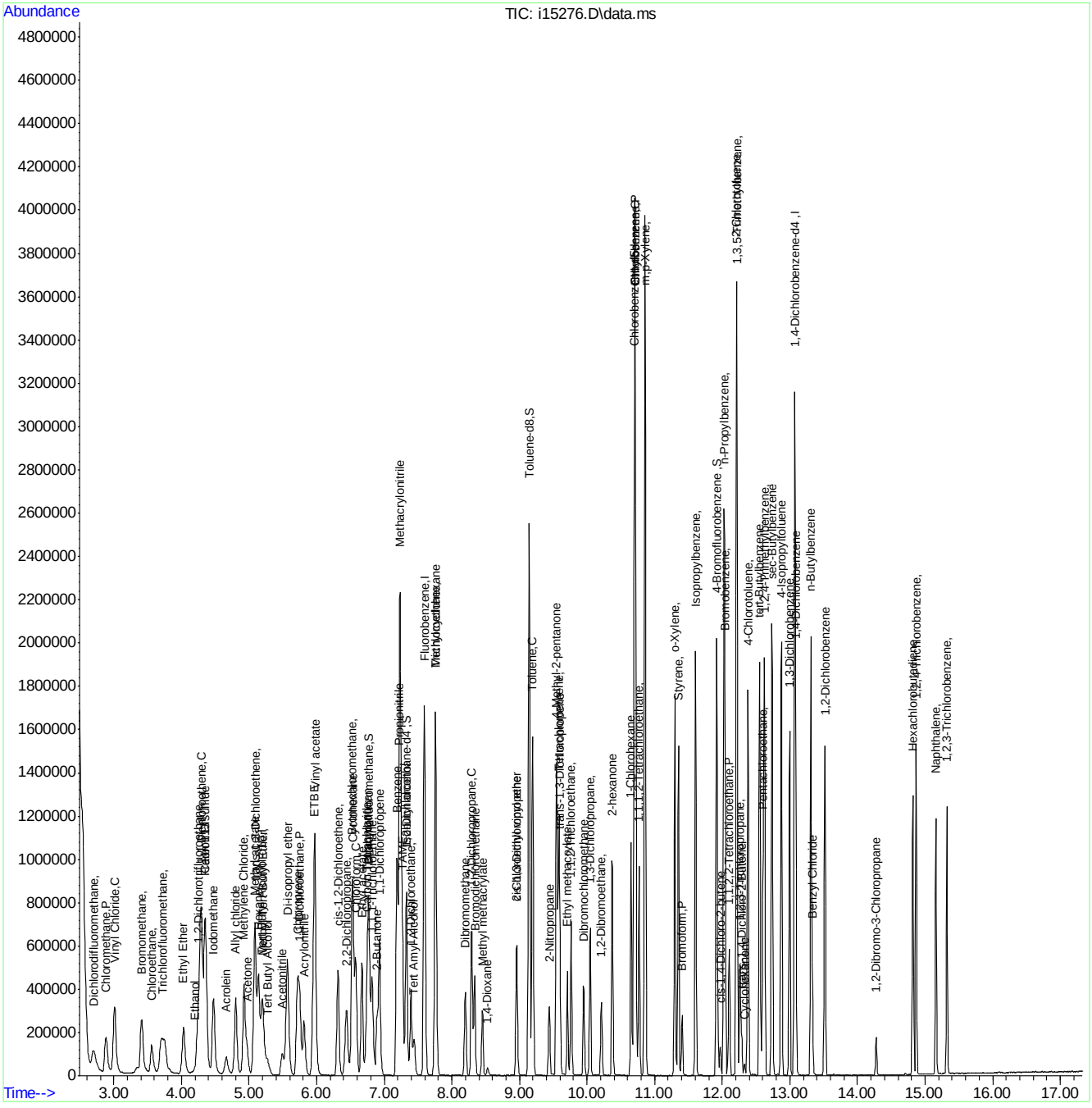
7.4.2

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On : 31 Oct 2013 9:07 pm
Operator : WILFREDO
Sample : FA9241-2msd
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 09:48:54 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number:	FA9241-2MSD	**Method:**	SW846 8260B
Lab FileID:	I15276.D	**Analyst approved:**	11/01/13 10:17 Wilfredo Vazquez
Injection Time:	10/31/13 21:07	**Supervisor approved:**	11/01/13 11:22 Juan Garcia

Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.72	Split peak
Ethyl Alcohol	64-17-5		4.20	Overlapping peak
Methyl Acetate	79-20-9		5.08	Overlapping peak
Hexane	110-54-3		5.14	Overlapping peak

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On    : 31 Oct 2013   9:07 pm
Operator  : WILFREDO
Sample    : FA9241-2msd
Misc      : ms25560,vi196,,,,,
ALS Vial  : 21   Sample Multiplier: 1

Quant Time: Nov 01 07:31:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
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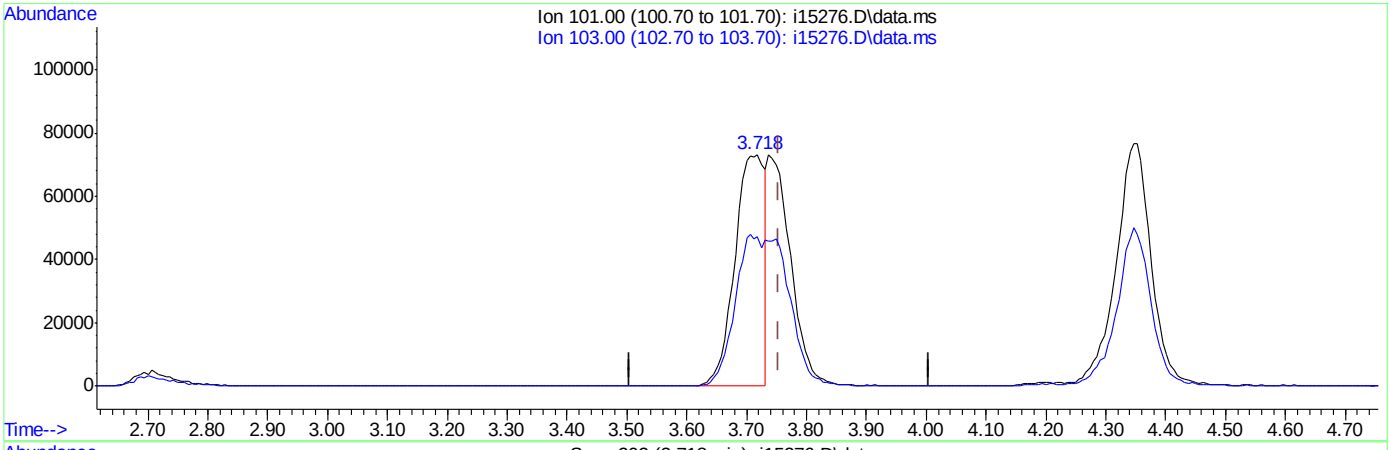
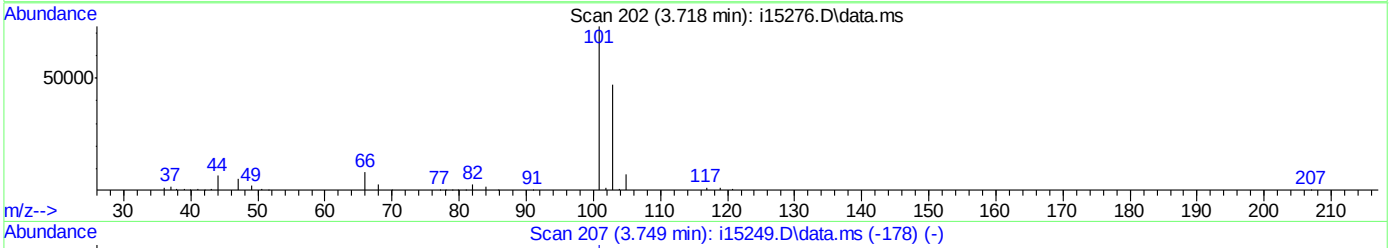
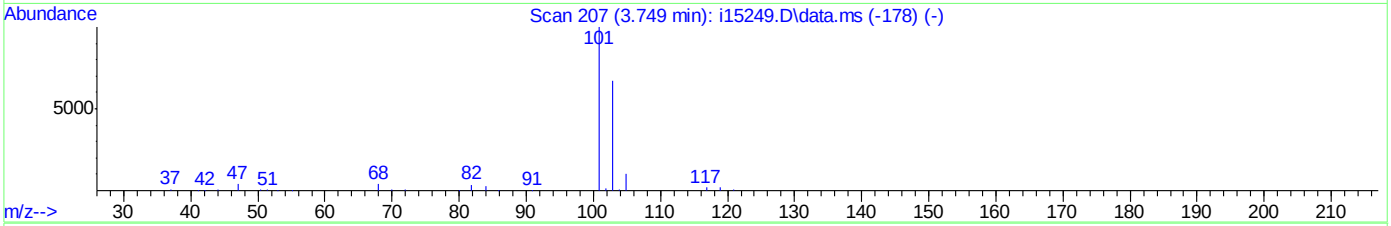






TIC: i15276.D\data.ms

(7) Trichlorofluoromethane ( )

3.718min (-0.037) 11.53ug/L

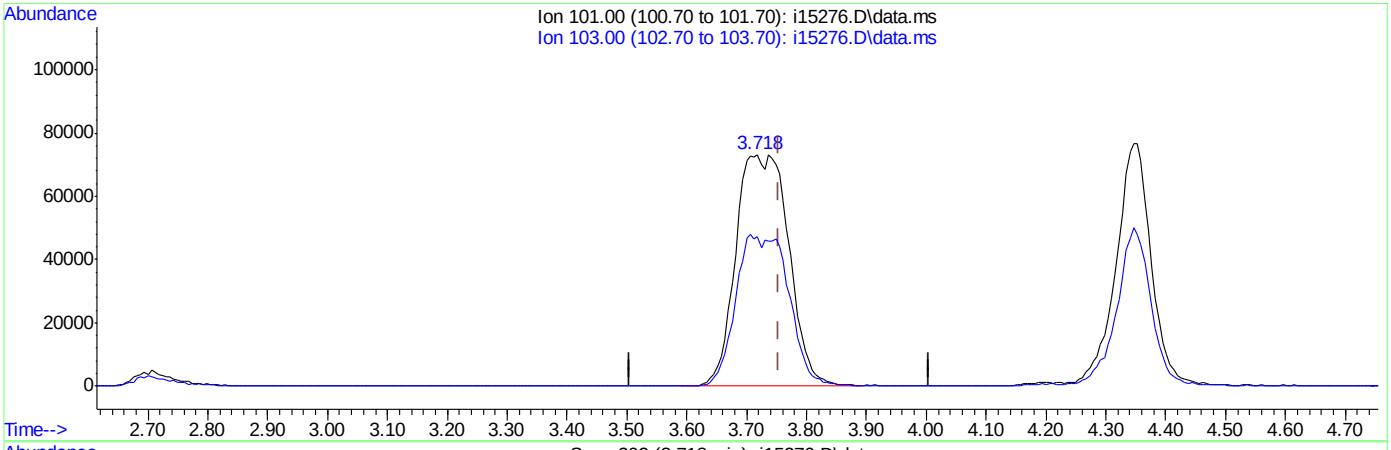
response 250993

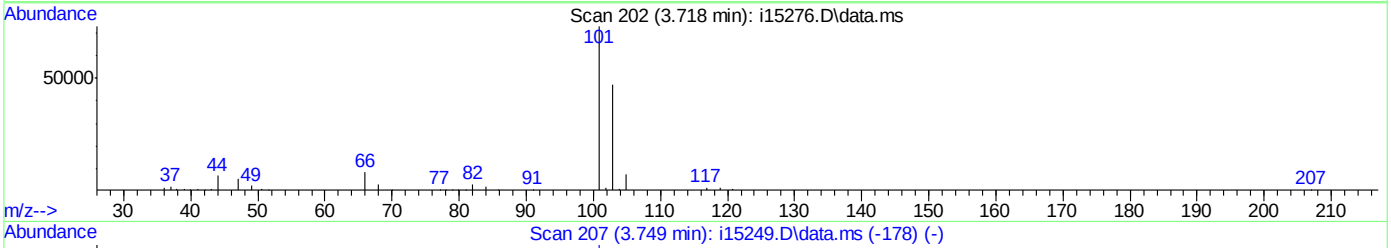
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	64.50
0.00	0.00	0.00
0.00	0.00	0.00

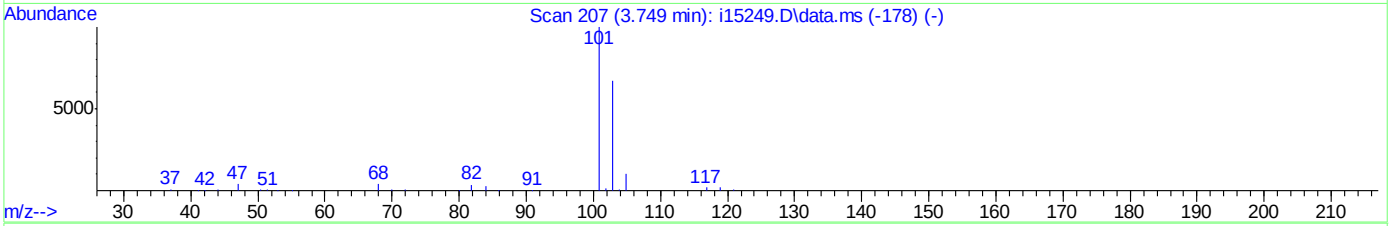
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On : 31 Oct 2013 9:07 pm
Operator : WILFREDO
Sample : FA9241-2msd
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15276.D\data.ms

(7) Trichlorofluoromethane ( )

3.718min (-0.037) 20.50ug/L m

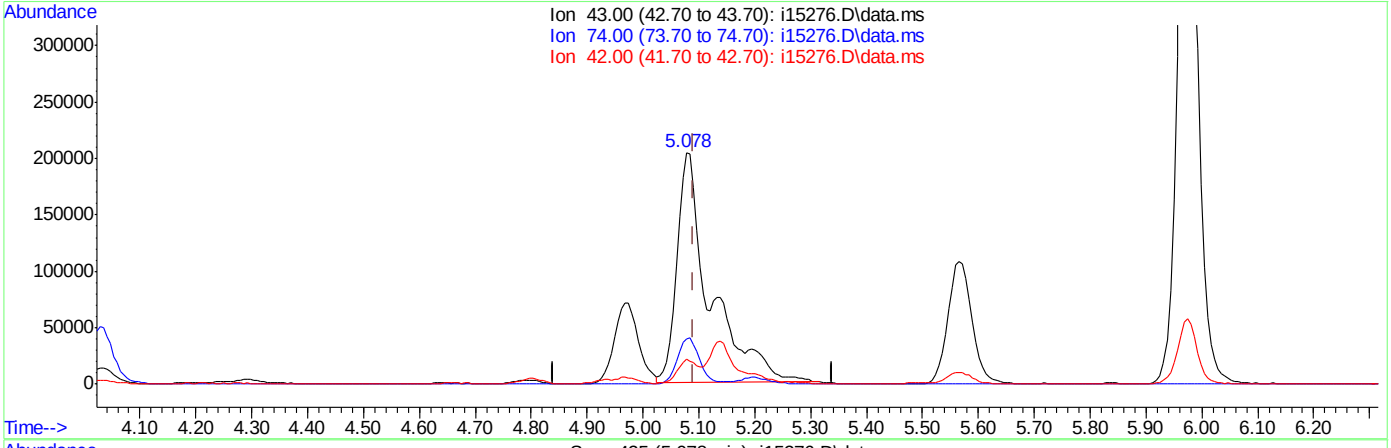
response 449525

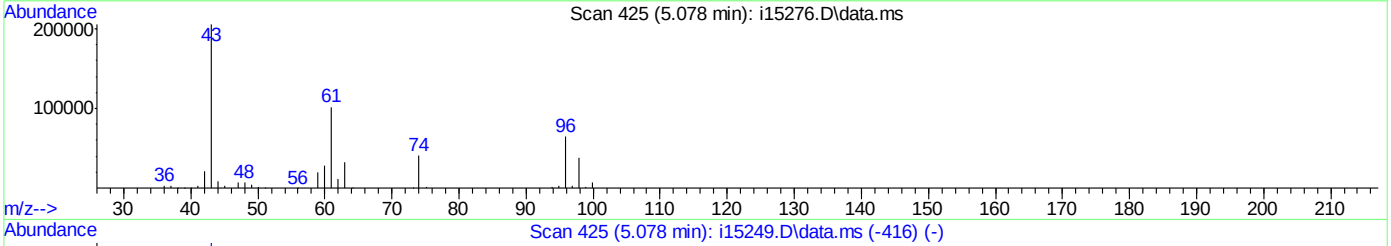
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	64.50
0.00	0.00	0.00
0.00	0.00	0.00

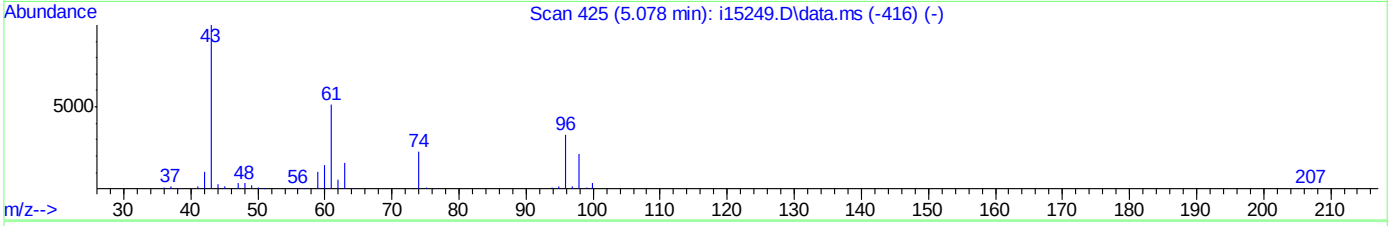
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On : 31 Oct 2013 9:07 pm
Operator : WILFREDO
Sample : FA9241-2msd
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15276.D\data.ms

(17) Methyl acetate

5.078min (-0.012) 136.73ug/L

response 855324

Ion	Exp%	Act%
43.00	100	100
74.00	26.50	19.93
42.00	14.70	10.53
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On : 31 Oct 2013 9:07 pm
Operator : WILFREDO
Sample : FA9241-2msd
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
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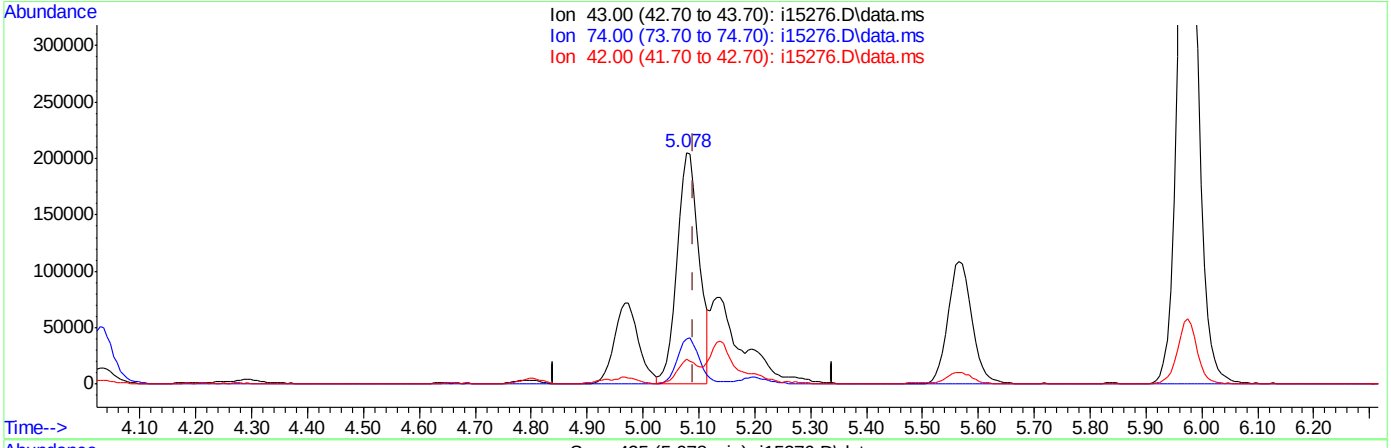
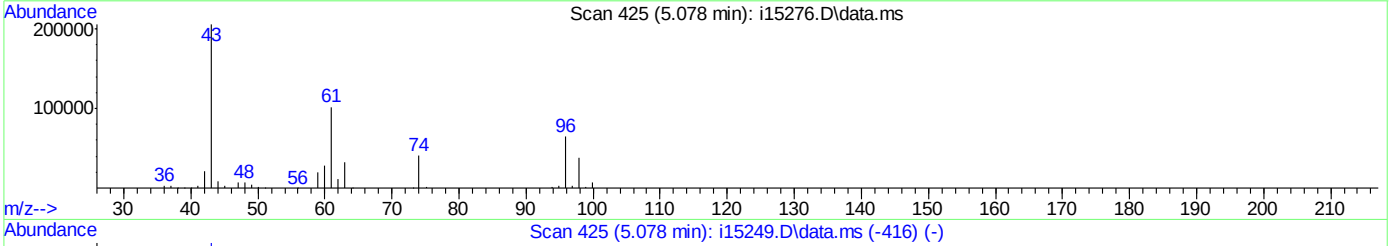
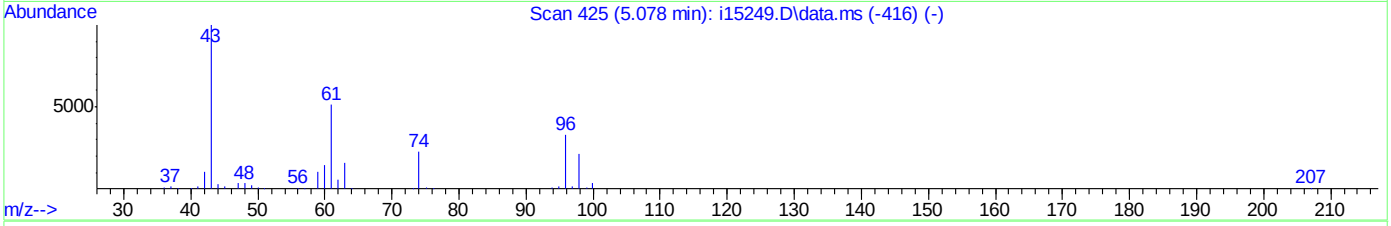
Response via : Initial Calibration







TIC: i15276.D\data.ms

(17) Methyl acetate

5.078min (-0.012) 91.16ug/L m

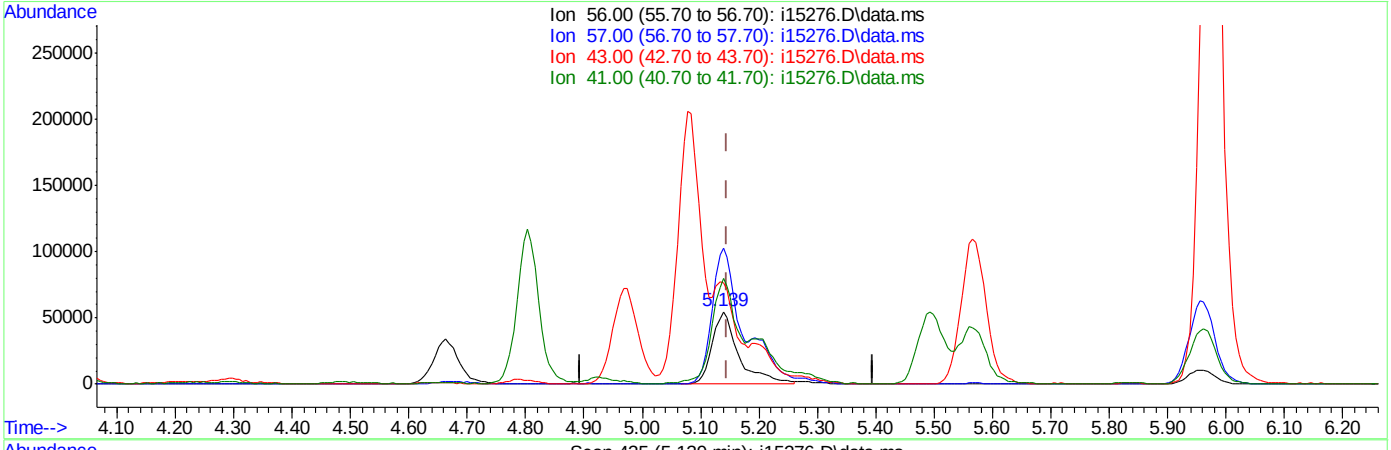
response 565171

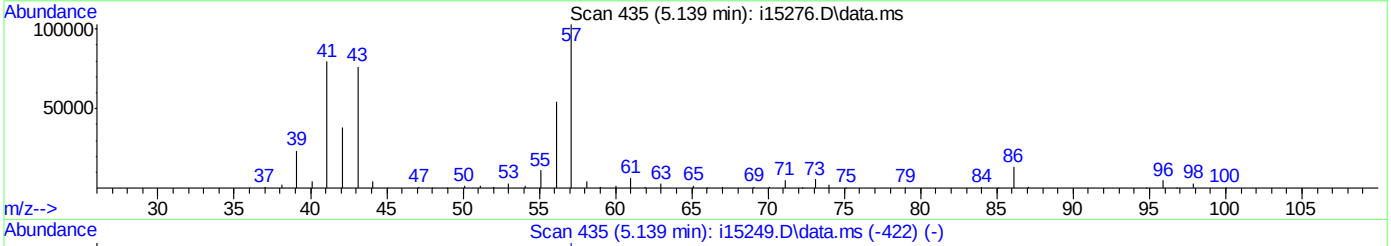
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	19.72
42.00	14.70	10.69
0.00	0.00	0.00

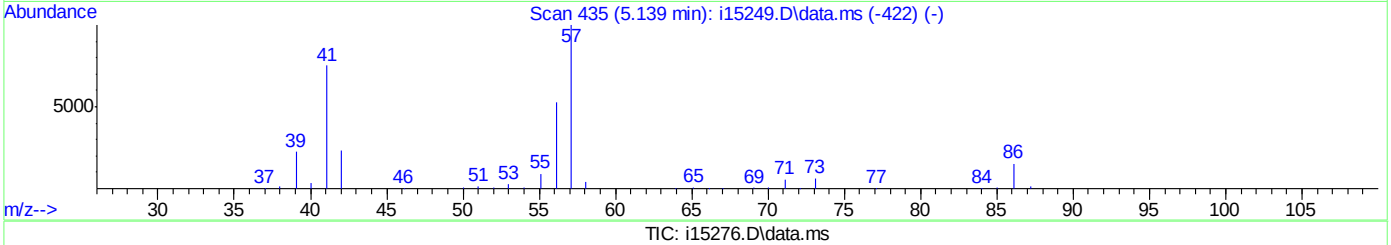
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On : 31 Oct 2013 9:07 pm
Operator : WILFREDO
Sample : FA9241-2msd
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15276.D\data.ms

(19) Hexane

5.139min (-0.006) 28.73ug/L

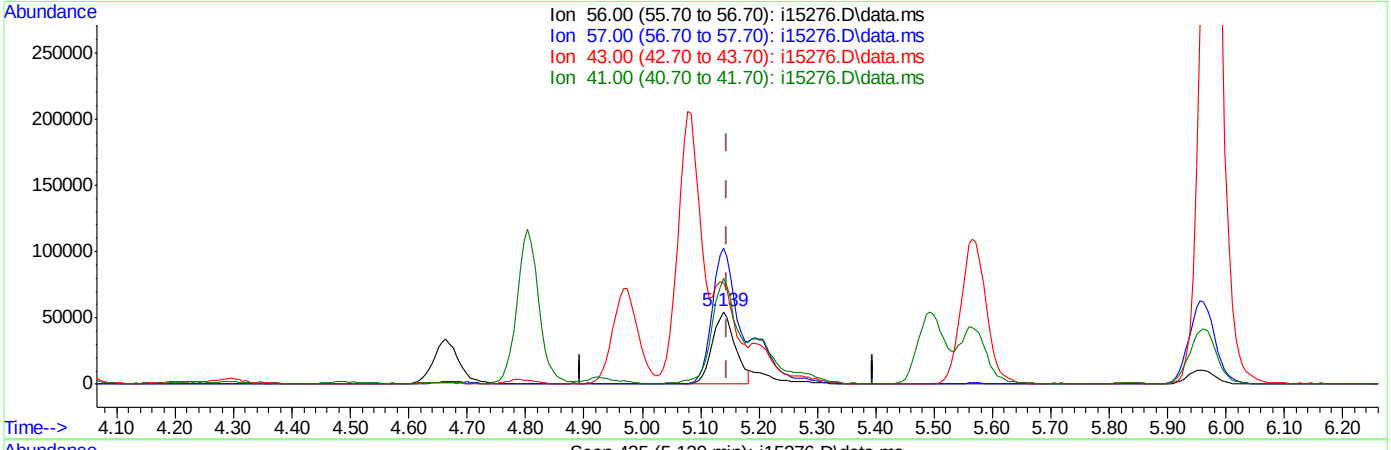
response 174225

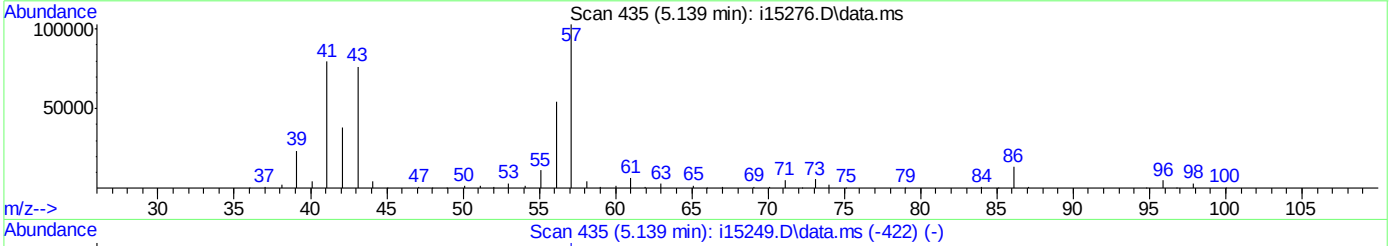
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	188.92#
43.00	185.00	128.56#
41.00	125.10	141.87

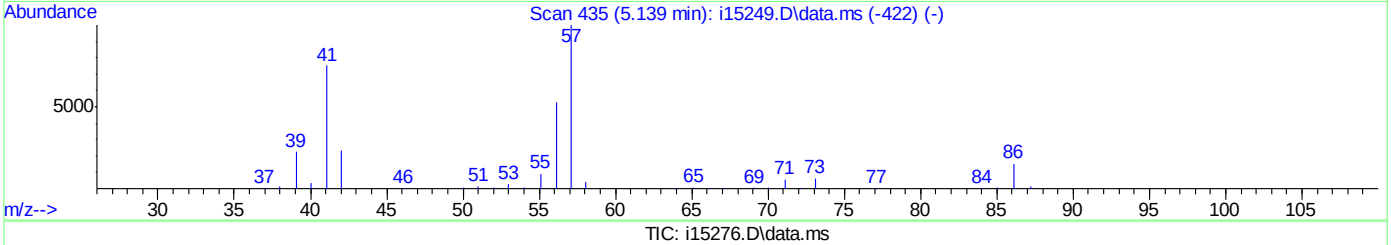
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On : 31 Oct 2013 9:07 pm
Operator : WILFREDO
Sample : FA9241-2msd
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15276.D\data.ms

(19) Hexane

5.139min (-0.006) 24.53ug/L m

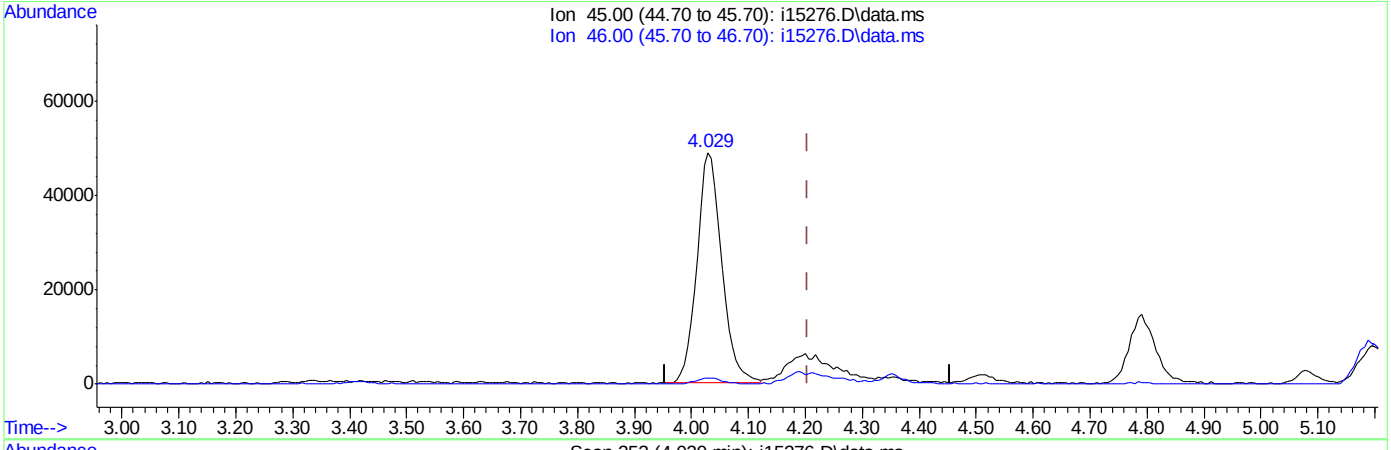
response 148773

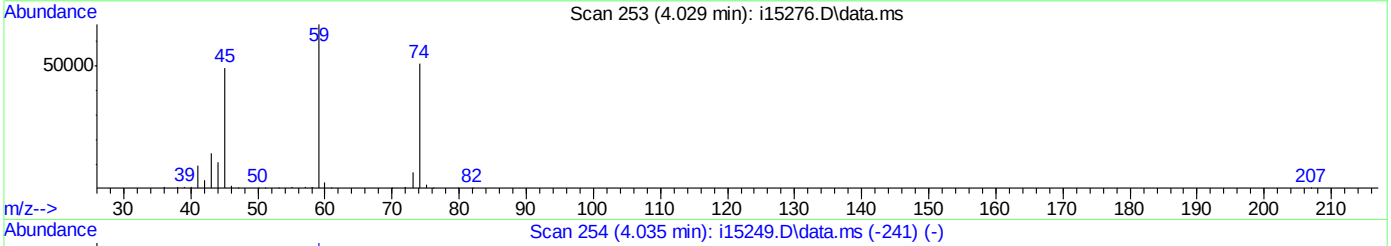
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	188.92#
43.00	185.00	140.48#
41.00	125.10	146.21#

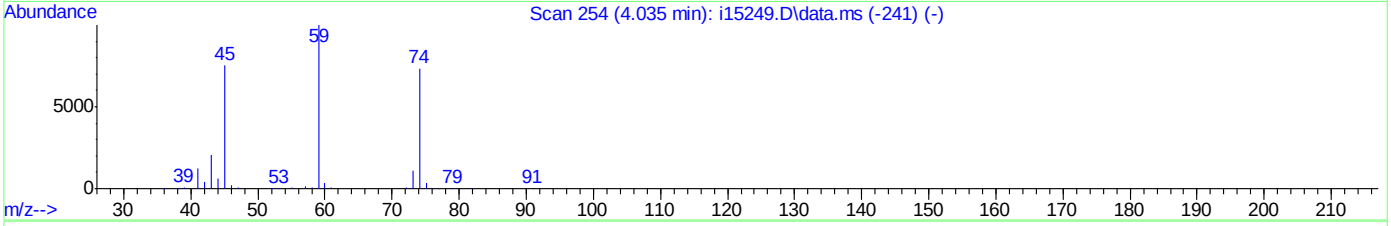
Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On    : 31 Oct 2013   9:07 pm
Operator  : WILFREDO
Sample    : FA9241-2msd
Misc      : ms25560,vi196,,,,,
ALS Vial  : 21   Sample Multiplier: 1

Quant Time: Nov 01 07:31:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
```







TIC: i15276.D\data.ms

(104) Ethanol

4.029min (-0.177) 2159.62ug/L

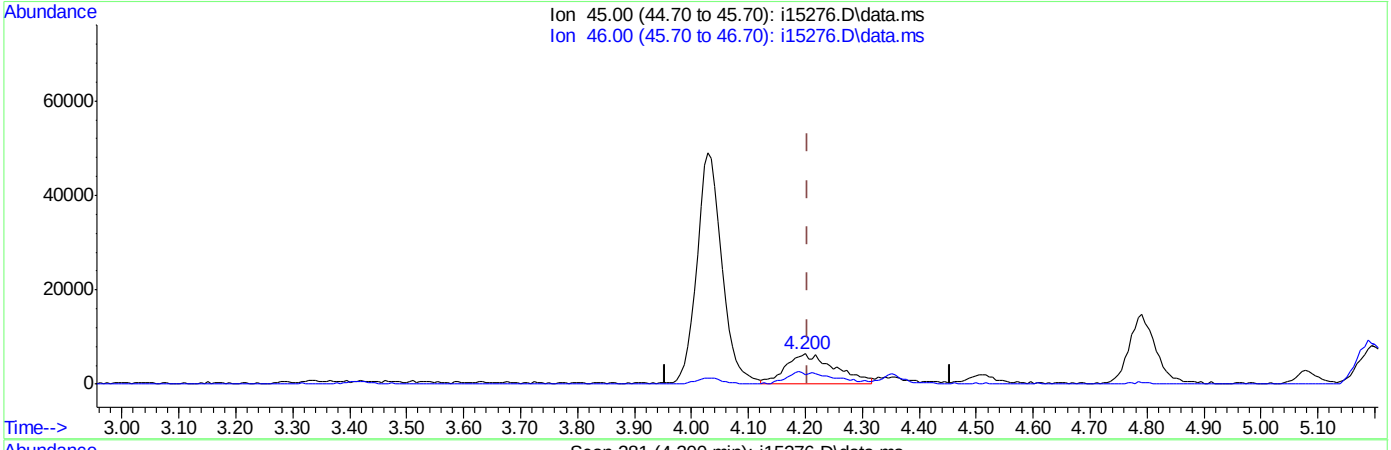
response 148312

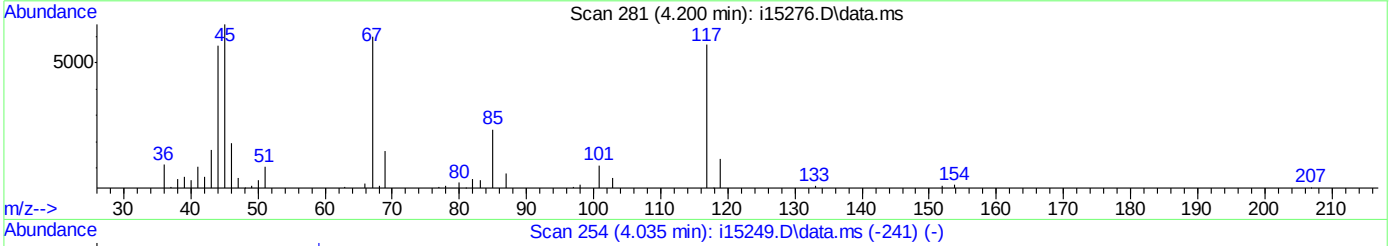
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.44
0.00	0.00	0.00
0.00	0.00	0.00

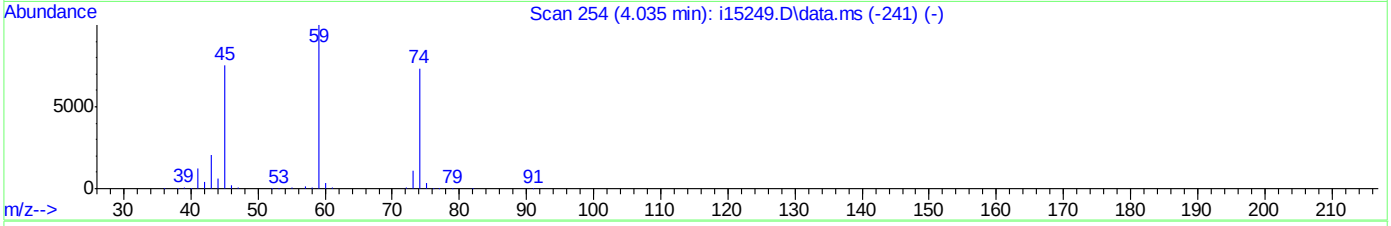
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15276.D
Acq On : 31 Oct 2013 9:07 pm
Operator : WILFREDO
Sample : FA9241-2msd
Misc : ms25560,vi196,,,,,
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Nov 01 07:31:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration







TIC: i15276.D\data.ms

(104) Ethanol

4.200min (-0.006) 568.18ug/L m

response 39020

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	30.19#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19887.D
Acq On : 31 Oct 2013 10:09 pm
Operator : melissam
Sample : FA9297-4MS,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 11:32:48 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1192224	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	901716	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	499026	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	133729	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	364203	48.49	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.98%			
46) 1,2-Dichloroethane-d4	7.214	65	562740	45.67	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 91.34%			
57) Toluene-d8	9.049	98	1139515	49.80	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 99.60%			
79) 4-Bromofluorobenzene	11.896	95	527341	50.48	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.550	85	371620	38.88	ug/L	100
3) Chloromethane	2.751	50	589591	26.91	ug/L	98
4) 1,3-Butadiene	2.885	54	126392	9.64	ug/L	98
5) Vinyl Chloride	2.879	62	345775	28.73	ug/L	97
6) Bromomethane	3.300	94	143940	25.45	ug/L	99
7) Chloroethane	3.452	64	143764	24.56	ug/L	96
8) Trichlorofluoromethane	3.647	101	404209	21.36	ug/L	97
9) Ethyl Ether	3.952	59	231261	22.00	ug/L	99
10) 1,2-Dichlorotrifluoroe...	4.184	67	318322	26.07	ug/L	97
11) 1,1-Dichloroethene	4.208	61	546695	27.66	ug/L	98
12) Freon 113	4.269	101	256650	23.33	ug/L	98
13) Carbon Disulfide	4.257	76	495455	15.04	ug/L	99
14) Iodomethane	4.385	142	373998	22.60	ug/L	98
15) Allyl chloride	4.720	41	447677	20.60	ug/L	99
16) Methylene Chloride	4.842	49	625373	26.95	ug/L	98
17) Acetone	4.879	58	104312	116.77	ug/L	95
18) Methyl acetate	4.995	74	116305	87.34	ug/L	100
19) trans-1,2-Dichloroethene	5.013	61	496790	25.63	ug/L	99
20) Hexane	5.074	56	257769m	21.82	ug/L	
21) Methyl Tert Butyl Ether	5.117	73	596603	21.81	ug/L	96
22) Acetonitrile	5.385	40	190230	232.91	ug/L	97
23) Di-isopropyl ether	5.489	45	1221062	22.10	ug/L	99
24) Chloroprene	5.629	53	641654	24.28	ug/L	98
25) 1,1-Dichloroethane	5.659	63	593947	26.49	ug/L	99
26) Acrylonitrile	5.702	53	506097	111.34	ug/L	98
27) ETBE	5.873	59	968427	22.18	ug/L	99
28) Vinyl acetate	5.879	43	2859034	124.52	ug/L	100
29) cis-1,2-Dichloroethene	6.214	96	735551	75.07	ug/L	97
30) 2,2-Dichloropropane	6.342	77	344017	20.64	ug/L	98
31) Bromochloromethane	6.427	128	114206	22.68	ug/L	93
32) Cyclohexane	6.446	56	626101	25.83	ug/L	99
33) Chloroform	6.482	83	473267	24.62	ug/L	100
34) Ethyl acetate	6.568	43	1328944	108.08	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19887.D
Acq On : 31 Oct 2013 10:09 pm
Operator : melissam
Sample : FA9297-4MS,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 11:32:48 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
35) Tetrahydrofuran	6.647	42	79964	21.96 ug/L	98
37) Carbon Tetrachloride	6.653	117	393258	22.32 ug/L	96
38) 1,1,1-Trichloroethane	6.720	97	535437	29.78 ug/L	99
39) 2-Butanone	6.775	43	643214	118.39 ug/L	99
40) 1,1-Dichloropropene	6.830	75	340598	26.22 ug/L	97
41) tert-Butyl Formate	6.933	59	1356493	141.03 ug/L	96
42) Propionitrile	7.092	54	371380	229.67 ug/L	98
43) Methacrylonitrile	7.110	41	1848120	224.05 ug/L	99
44) Benzene	7.086	78	831039	25.68 ug/L	97
45) TAME	7.165	73	576487	22.05 ug/L	99
47) 1,2-Dichloroethane	7.281	62	490516	24.48 ug/L	99
48) Trichloroethene	7.653	95	482726	49.49 ug/L	98
49) Methylcyclohexane	7.665	83	379548	21.94 ug/L	99
50) Dibromomethane	8.086	93	153179	24.64 ug/L	97
51) 1,2-Dichloropropane	8.183	63	288397	25.08 ug/L	98
52) Bromodichloromethane	8.232	83	333180	23.51 ug/L	98
53) Methyl methacrylate	8.348	41	265206	23.73 ug/L	98
54) 2-Chloroethyl vinyl ether	8.860	63	2701	0.40 ug/L #	23
55) cis-1,3-Dichloropropene	8.854	75	335611	22.01 ug/L	97
58) Toluene	9.098	91	922563	24.87 ug/L	99
59) 2-Nitropropane	9.329	41	324634	91.66 ug/L	99
60) 4-Methyl-2-pentanone	9.451	43	1489443	123.25 ug/L	99
61) trans-1,3-Dichloropropene	9.500	75	329024	22.83 ug/L #	82
62) Tetrachloroethene	9.500	166	1042394	106.97 ug/L	95
63) Ethyl methacrylate	9.622	69	221560	19.76 ug/L	95
64) 1,1,2-Trichloroethane	9.671	83	165587	24.45 ug/L	99
65) Dibromochloromethane	9.866	129	226997	21.47 ug/L	99
66) 1,3-Dichloropropane	9.957	76	340764	24.57 ug/L	98
67) 1,2-Dibromoethane	10.128	107	208873	24.07 ug/L	98
68) 2-hexanone	10.292	43	1053596	121.69 ug/L	98
69) 1-Chlorohexane	10.591	91	313075	21.69 ug/L	98
70) Ethylbenzene	10.658	91	1132772	25.32 ug/L	99
71) Chlorobenzene	10.652	112	621627	27.12 ug/L	97
72) 1,1,1,2-Tetrachloroethane	10.707	131	245451	24.43 ug/L	98
73) m,p-Xylene	10.805	91	1761854	52.57 ug/L	99
74) o-Xylene	11.256	91	924719	27.12 ug/L	98
75) Styrene	11.311	104	664245	24.43 ug/L	99
76) Bromoform	11.359	173	129522	19.68 ug/L	95
77) Isopropylbenzene	11.579	105	1152186	28.40 ug/L	99
80) cis-1,4-Dichloro-2-butene	11.951	53	29688	13.14 ug/L	93
81) n-Propylbenzene	12.018	91	1375533	28.50 ug/L	99
82) Bromobenzene	12.024	156	272474	25.31 ug/L	100
83) 1,1,2,2-Tetrachloroethane	12.085	83	253851	23.98 ug/L	91
84) 1,3,5-Trimethylbenzene	12.219	105	975957	25.43 ug/L	100
85) 2-Chlorotoluene	12.207	91	951514	27.12 ug/L	98
86) trans-1,4-Dichloro-2-B...	12.280	53	38987	12.67 ug/L	97
87) 1,2,3-Trichloropropane	12.249	110	78283	24.93 ug/L	97
88) Cyclohexanone	12.316	55	43349	80.95 ug/L	92
89) 4-Chlorotoluene	12.384	91	896164	27.69 ug/L	99
91) tert-Butylbenzene	12.573	91	612804	27.25 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19887.D
Acq On : 31 Oct 2013 10:09 pm
Operator : melissam
Sample : FA9297-4MS,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 11:32:48 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

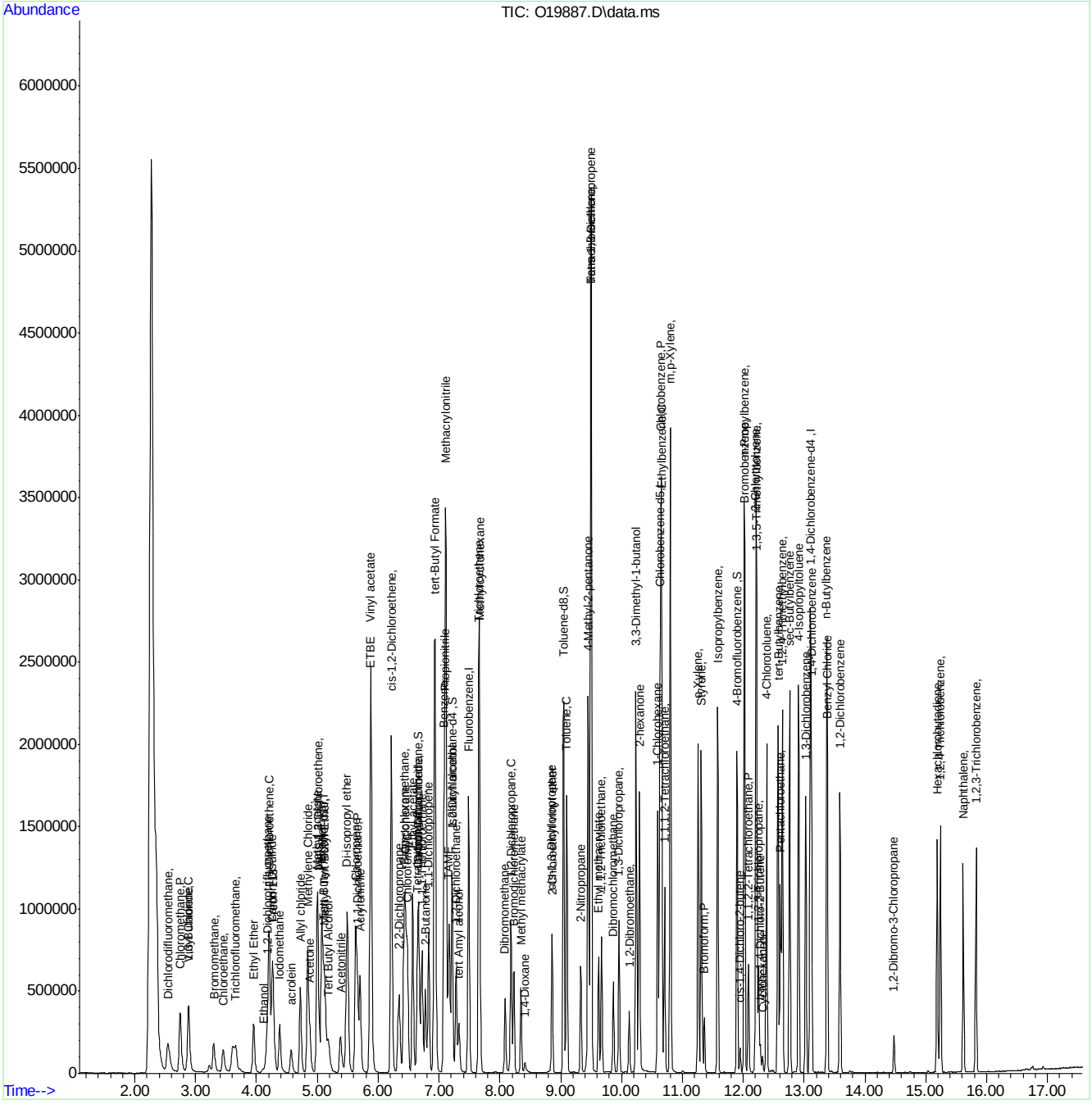
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92)	1,2,4-Trimethylbenzene	12.646	105	1012372	25.20	ug/L		99
93)	Pentachloroethane	12.615	167	174203	24.46	ug/L		96
94)	sec-Butylbenzene	12.761	105	1308275	28.36	ug/L		99
95)	4-Isopropyltoluene	12.908	119	1056038	26.77	ug/L		98
96)	1,3-Dichlorobenzene	13.030	146	527392	26.83	ug/L		98
97)	1,4-Dichlorobenzene	13.121	146	528831	24.80	ug/L		99
98)	n-Butylbenzene	13.371	92	598730	24.71	ug/L	#	79
99)	Benzyl Chloride	13.383	126	60703	14.61	ug/L	#	59
100)	1,2-Dichlorobenzene	13.591	146	501528	26.08	ug/L		99
101)	1,2-Dibromo-3-Chloropr...	14.475	75	47051	23.11	ug/L		97
102)	Hexachlorobutadiene	15.188	225	232765	25.71	ug/L		99
103)	1,2,4-Trichlorobenzene	15.243	180	370214	23.68	ug/L		98
104)	Naphthalene	15.615	128	750141	23.03	ug/L		98
105)	1,2,3-Trichlorobenzene	15.828	180	334541	23.52	ug/L		99
107)	Ethanol	4.117	45	53478	418.09	ug/L		97
108)	acrolein	4.574	56	162954	82.49	ug/L		94
109)	Tert Butyl Alcohol	5.184	59	308104	269.76	ug/L		92
110)	tert Amyl alcohol	7.330	59	180499	208.48	ug/L		95
111)	Isobutyl alcohol	7.214	42	136673	421.55	ug/L		97
112)	1,4-Dioxane	8.415	88	33604	442.24	ug/L		96
113)	3,3-Dimethyl-1-butanol	10.238	57	966663	1062.88	ug/L		98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19887.D
Acq On : 31 Oct 2013 10:09 pm
Operator : melissam
Sample : FA9297-4MS,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 11:32:48 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



Manual Integration Approval Summary

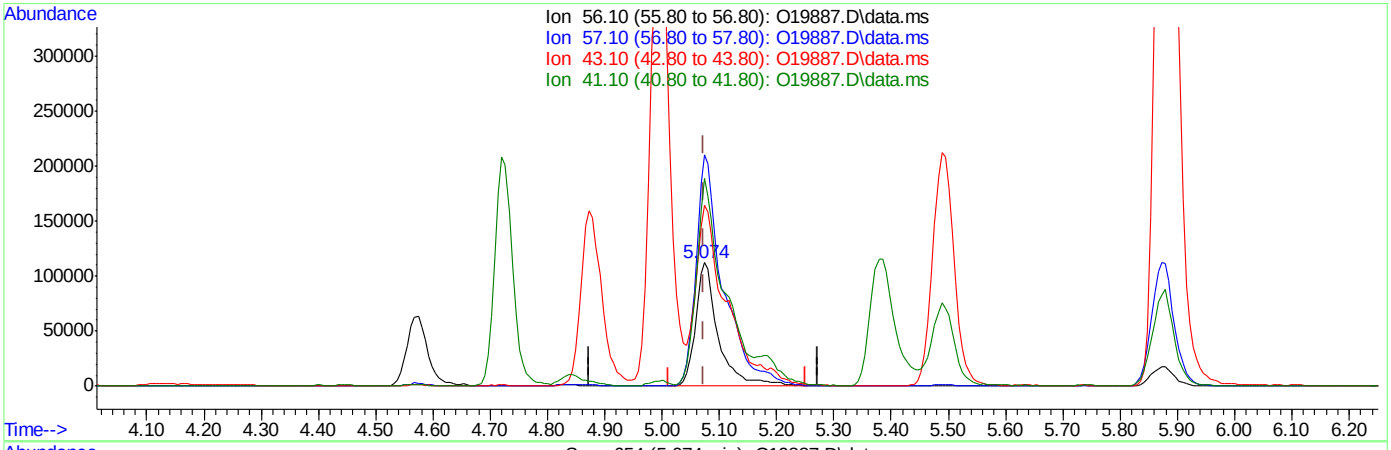
Sample Number:	FA9297-4MS	**Method:**	SW846 8260B
Lab FileID:	O19887.D	**Analyst approved:**	11/01/13 12:01 Melissa Mangual
Injection Time:	10/31/13 22:09	**Supervisor approved:**	11/01/13 15:57 Juan Garcia

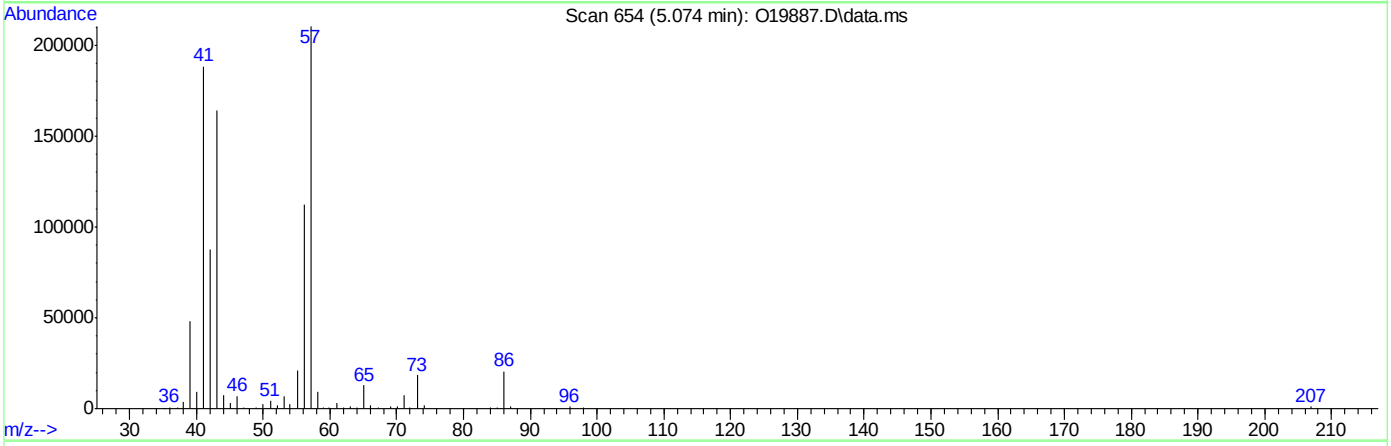
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19887.D
Acq On : 31 Oct 2013 10:09 pm
Operator : melissam
Sample : FA9297-4MS,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 10:51:27 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19887.D\data.ms

(20) Hexane

5.074min (+0.000) 26.14ug/L

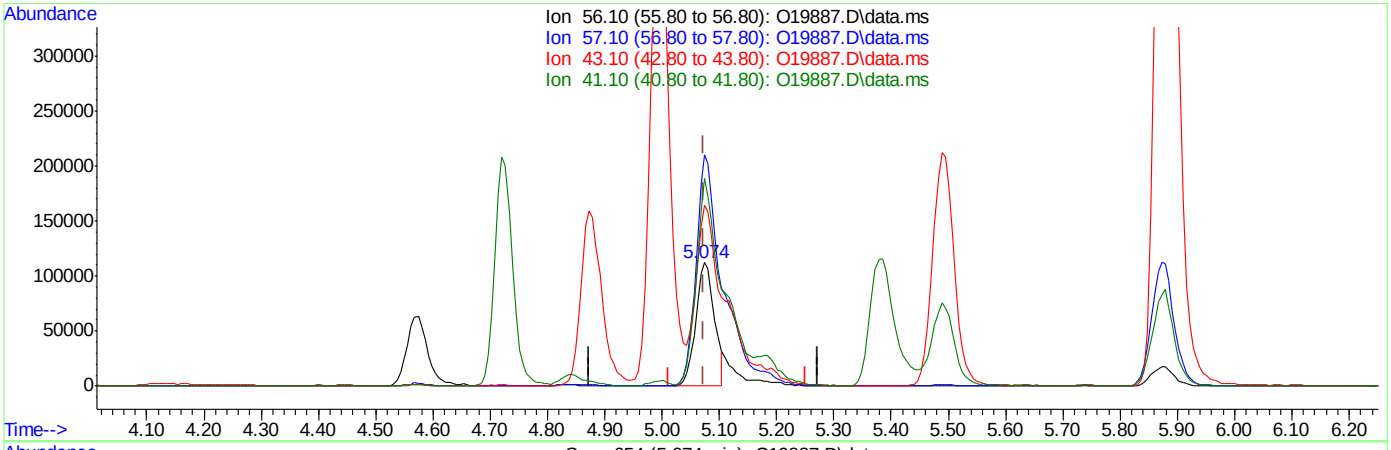
response 308677

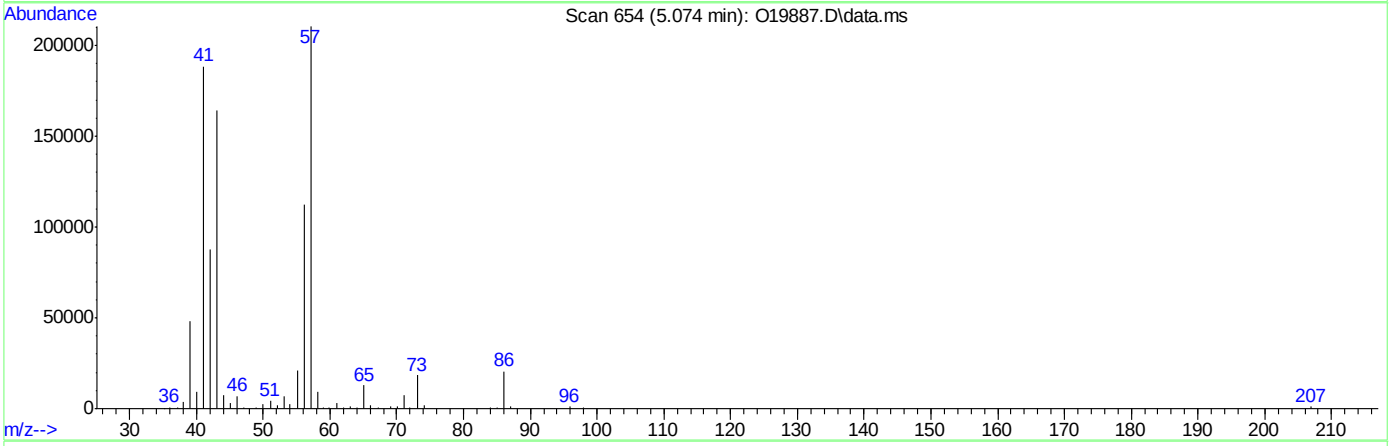
Ion	Exp%	Act%
56.10	100	100
57.10	188.10	188.08
43.10	142.00	145.27
41.10	160.40	166.70

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19887.D
Acq On : 31 Oct 2013 10:09 pm
Operator : melissam
Sample : FA9297-4MS,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 10:51:27 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19887.D\data.ms

(20) Hexane

5.074min (+0.000) 21.82ug/L m

response 257769

Ion	Exp%	Act%
56.10	100	100
57.10	188.10	187.30
43.10	142.00	146.18
41.10	160.40	167.77

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:57

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19888.D
Acq On : 31 Oct 2013 10:30 pm
Operator : melissam
Sample : FA9297-4MSD,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 11:33:06 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1209702	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	913209	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	509866	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	140964	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	370981	48.64	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.28%			
46) 1,2-Dichloroethane-d4	7.214	65	569179	45.52	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 91.04%			
57) Toluene-d8	9.049	98	1140061	49.34	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 98.68%			
79) 4-Bromofluorobenzene	11.896	95	534459	50.19	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.38%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.544	85	367214	37.86	ug/L	99
3) Chloromethane	2.745	50	582222	26.19	ug/L	99
4) 1,3-Butadiene	2.885	54	133536	10.04	ug/L	97
5) Vinyl Chloride	2.879	62	333976	27.35	ug/L	97
6) Bromomethane	3.294	94	139565	24.32	ug/L	97
7) Chloroethane	3.452	64	138722	23.29	ug/L	98
8) Trichlorofluoromethane	3.659	101	390118	20.26	ug/L	99
9) Ethyl Ether	3.952	59	237407	22.25	ug/L	99
10) 1,2-Dichlorotrifluoroe...	4.184	67	310083	25.03	ug/L	99
11) 1,1-Dichloroethene	4.202	61	560537	27.95	ug/L	96
12) Freon 113	4.269	101	251079	22.49	ug/L	97
13) Carbon Disulfide	4.263	76	463357	13.86	ug/L	97
14) Iodomethane	4.379	142	366917	21.85	ug/L	98
15) Allyl chloride	4.720	41	417386	18.93	ug/L	97
16) Methylene Chloride	4.836	49	629791	26.75	ug/L	96
17) Acetone	4.873	58	112167	123.75	ug/L	97
18) Methyl acetate	4.995	74	124139	91.87	ug/L #	88
19) trans-1,2-Dichloroethene	5.007	61	495748	25.20	ug/L	98
20) Hexane	5.074	56	261465m	21.82	ug/L	
21) Methyl Tert Butyl Ether	5.116	73	602112	21.69	ug/L	98
22) Acetonitrile	5.379	40	201777	243.47	ug/L	98
23) Di-isopropyl ether	5.488	45	1229592	21.93	ug/L	99
24) Chloroprene	5.629	53	620932	23.13	ug/L	100
25) 1,1-Dichloroethane	5.659	63	591316	25.99	ug/L	99
26) Acrylonitrile	5.702	53	510692	110.73	ug/L	98
27) ETBE	5.872	59	979176	22.10	ug/L	99
28) Vinyl acetate	5.878	43	2886477	123.90	ug/L	100
29) cis-1,2-Dichloroethene	6.214	96	731659	73.60	ug/L	98
30) 2,2-Dichloropropane	6.342	77	330069	19.52	ug/L	96
31) Bromochloromethane	6.421	128	114759	22.46	ug/L	99
32) Cyclohexane	6.445	56	612249	24.89	ug/L	96
33) Chloroform	6.482	83	469666	24.08	ug/L	99
34) Ethyl acetate	6.567	43	1388968	111.33	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19888.D
Acq On : 31 Oct 2013 10:30 pm
Operator : melissam
Sample : FA9297-4MSD,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 11:33:06 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
35) Tetrahydrofuran	6.647	42	83896	22.71 ug/L	99
37) Carbon Tetrachloride	6.647	117	365852	20.41 ug/L	99
38) 1,1,1-Trichloroethane	6.720	97	520356	28.53 ug/L	98
39) 2-Butanone	6.775	43	674052	122.28 ug/L	99
40) 1,1-Dichloropropene	6.830	75	330721	25.09 ug/L	99
41) tert-Butyl Formate	6.927	59	1336351	136.92 ug/L	95
42) Propionitrile	7.092	54	394156	240.23 ug/L	97
43) Methacrylonitrile	7.110	41	1907515	227.91 ug/L	99
44) Benzene	7.079	78	822797	25.06 ug/L	94
45) TAME	7.165	73	575014	21.68 ug/L	99
47) 1,2-Dichloroethane	7.281	62	495369	24.36 ug/L	98
48) Trichloroethene	7.653	95	480914	48.59 ug/L	98
49) Methylcyclohexane	7.665	83	369515	21.02 ug/L	98
50) Dibromomethane	8.085	93	152941	24.24 ug/L	99
51) 1,2-Dichloropropane	8.183	63	283571	24.31 ug/L	99
52) Bromodichloromethane	8.226	83	308010	21.42 ug/L	100
53) Methyl methacrylate	8.348	41	262835	23.18 ug/L	98
54) 2-Chloroethyl vinyl ether	8.860	63	2302	0.34 ug/L #	12
55) cis-1,3-Dichloropropene	8.854	75	312623	20.20 ug/L	100
58) Toluene	9.097	91	914921	24.35 ug/L	100
59) 2-Nitropropane	9.329	41	333259	92.91 ug/L	98
60) 4-Methyl-2-pentanone	9.451	43	1554170	126.99 ug/L	99
61) trans-1,3-Dichloropropene	9.500	75	296760	20.34 ug/L #	84
62) Tetrachloroethene	9.494	166	1010851	102.43 ug/L	98
63) Ethyl methacrylate	9.622	69	222073	19.55 ug/L	97
64) 1,1,2-Trichloroethane	9.670	83	168066	24.51 ug/L	98
65) Dibromochloromethane	9.866	129	209404	19.56 ug/L	97
66) 1,3-Dichloropropane	9.957	76	334923	23.85 ug/L	99
67) 1,2-Dibromoethane	10.128	107	211762	24.10 ug/L	100
68) 2-hexanone	10.292	43	1103554	125.85 ug/L	98
69) 1-Chlorohexane	10.591	91	304062	20.80 ug/L	99
70) Ethylbenzene	10.658	91	1107087	24.44 ug/L	98
71) Chlorobenzene	10.652	112	616088	26.54 ug/L	97
72) 1,1,1,2-Tetrachloroethane	10.707	131	230459	22.65 ug/L	97
73) m,p-Xylene	10.804	91	1740966	51.30 ug/L	98
74) o-Xylene	11.255	91	910981	26.38 ug/L	100
75) Styrene	11.310	104	645705	23.45 ug/L	99
76) Bromoform	11.359	173	120505	18.08 ug/L	97
77) Isopropylbenzene	11.579	105	1119962	27.26 ug/L	99
80) cis-1,4-Dichloro-2-butene	11.944	53	26818	11.66 ug/L	85
81) n-Propylbenzene	12.018	91	1340652	27.19 ug/L	100
82) Bromobenzene	12.024	156	271341	24.67 ug/L	93
83) 1,1,2,2-Tetrachloroethane	12.085	83	263991	24.40 ug/L	97
84) 1,3,5-Trimethylbenzene	12.219	105	951291	24.26 ug/L	99
85) 2-Chlorotoluene	12.207	91	934416	26.07 ug/L	97
86) trans-1,4-Dichloro-2-B...	12.280	53	34830	11.12 ug/L	95
87) 1,2,3-Trichloropropane	12.249	110	80928	25.23 ug/L	96
88) Cyclohexanone	12.316	55	46256	84.43 ug/L	96
89) 4-Chlorotoluene	12.383	91	885417	26.77 ug/L	99
91) tert-Butylbenzene	12.572	91	600600	26.14 ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19888.D
Acq On : 31 Oct 2013 10:30 pm
Operator : melissam
Sample : FA9297-4MSD,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 11:33:06 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

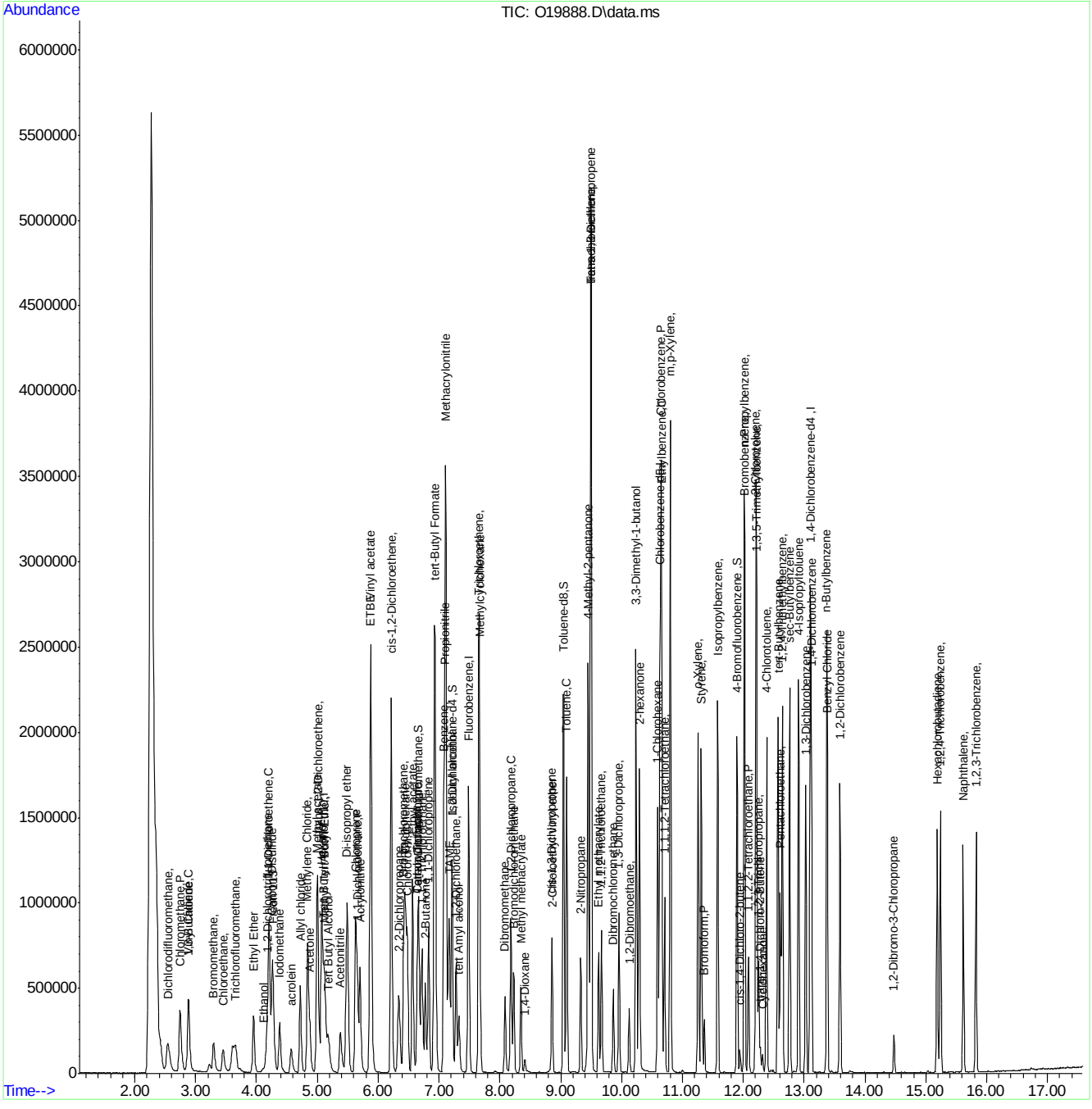
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
92) 1,2,4-Trimethylbenzene	12.645	105	988595	24.09 ug/L	99
93) Pentachloroethane	12.609	167	158179	21.74 ug/L	96
94) sec-Butylbenzene	12.761	105	1265142	26.84 ug/L	99
95) 4-Isopropyltoluene	12.908	119	1026601	25.47 ug/L	99
96) 1,3-Dichlorobenzene	13.030	146	519291	25.86 ug/L	99
97) 1,4-Dichlorobenzene	13.121	146	523005	24.01 ug/L	98
98) n-Butylbenzene	13.371	92	587200	23.72 ug/L #	79
99) Benzyl Chloride	13.383	126	58052	13.67 ug/L #	30
100) 1,2-Dichlorobenzene	13.590	146	499828	25.44 ug/L	99
101) 1,2-Dibromo-3-Chloropr...	14.474	75	44759	21.51 ug/L	98
102) Hexachlorobutadiene	15.188	225	229402	24.80 ug/L	97
103) 1,2,4-Trichlorobenzene	15.243	180	379872	23.78 ug/L	99
104) Naphthalene	15.614	128	785184	23.59 ug/L	100
105) 1,2,3-Trichlorobenzene	15.828	180	348483	23.98 ug/L	99
107) Ethanol	4.117	45	61703	457.23 ug/L	81
108) acrolein	4.568	56	154631	74.26 ug/L	94
109) Tert Butyl Alcohol	5.177	59	336215	279.26 ug/L	98
110) tert Amyl alcohol	7.329	59	196015	214.78 ug/L	98
111) Isobutyl alcohol	7.214	42	148228	433.73 ug/L	96
112) 1,4-Dioxane	8.415	88	37060	462.69 ug/L	92
113) 3,3-Dimethyl-1-butanol	10.237	57	1046964	1092.09 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19888.D
Acq On : 31 Oct 2013 10:30 pm
Operator : melissam
Sample : FA9297-4MSD,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 11:33:06 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



Manual Integration Approval Summary

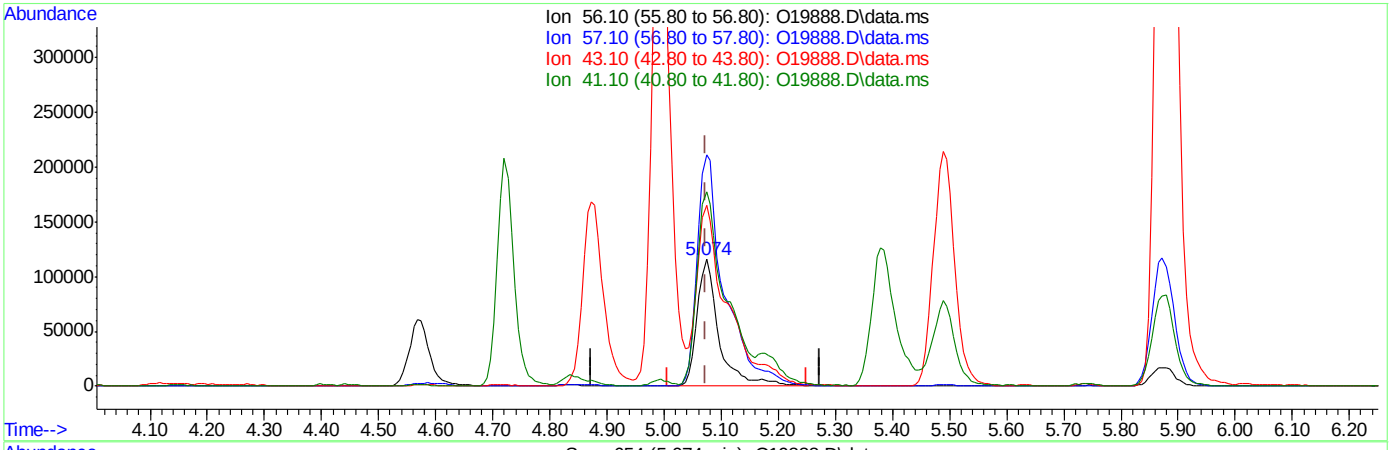
Sample Number:	FA9297-4MSD	**Method:**	SW846 8260B
Lab FileID:	O19888.D	**Analyst approved:**	11/01/13 12:01 Melissa Mangual
Injection Time:	10/31/13 22:30	**Supervisor approved:**	11/01/13 15:57 Juan Garcia

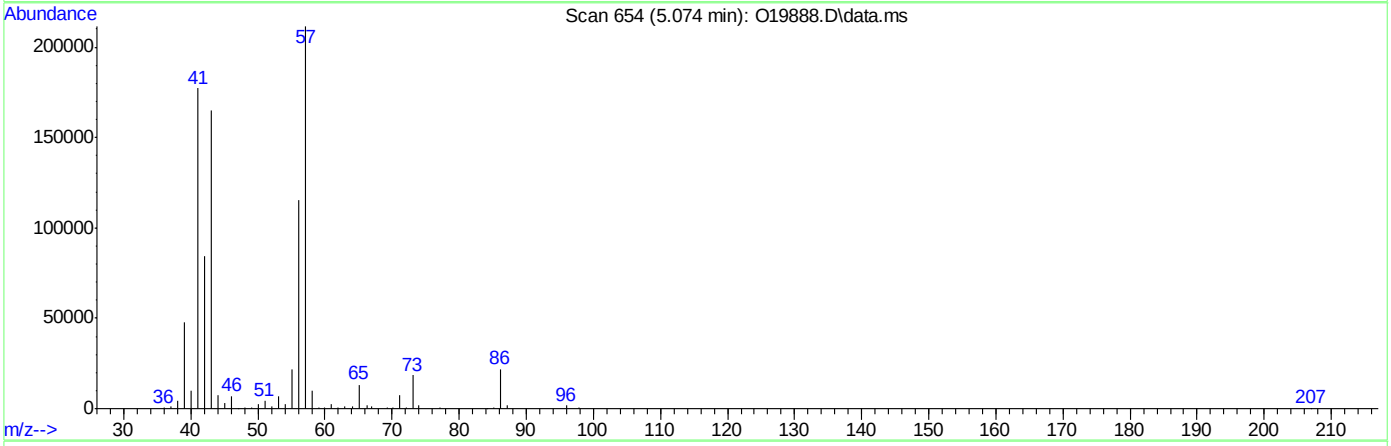
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19888.D
Acq On : 31 Oct 2013 10:30 pm
Operator : melissam
Sample : FA9297-4MSD,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 10:51:29 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19888.D\data.ms

(20) Hexane

5.074min (+0.000) 25.49ug/L

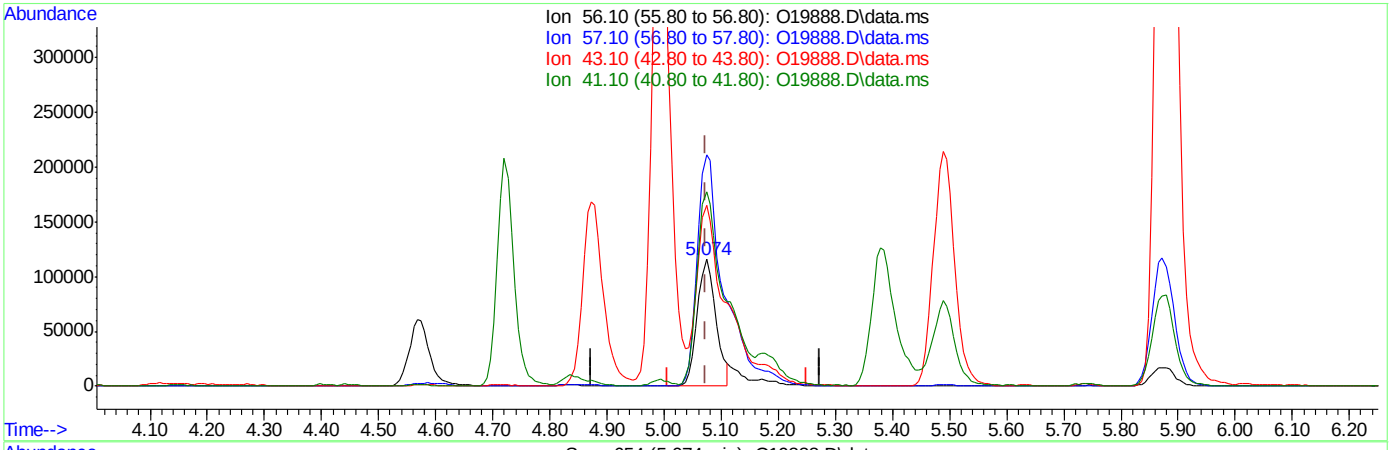
response 305442

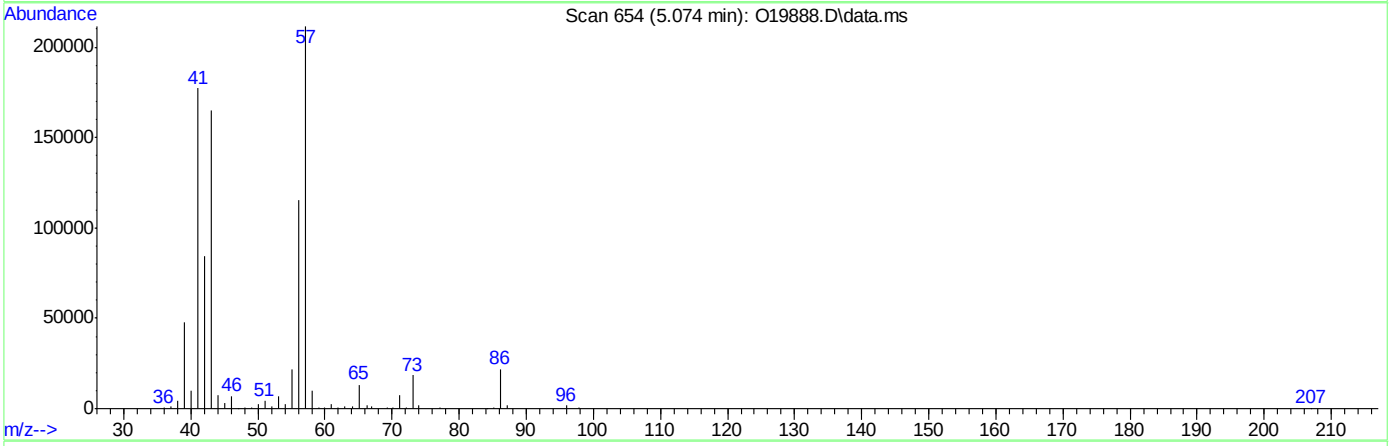
Ion	Exp%	Act%
56.10	100	100
57.10	188.10	183.16
43.10	142.00	141.18
41.10	160.40	151.26

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19888.D
Acq On : 31 Oct 2013 10:30 pm
Operator : melissam
Sample : FA9297-4MSD,5X
Misc : MS25564,VO791,,,,,5
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 01 10:51:29 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19888.D\data.ms

(20) Hexane

5.074min (+0.000) 21.82ug/L m

response 261465

Ion	Exp%	Act%
56.10	100	100
57.10	188.10	182.83
43.10	142.00	142.71
41.10	160.40	153.12

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On : 1 Nov 2013 1:52 pm
Operator : WILFREDO
Sample : FA9397-10ms
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:36:29 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.595	96	1323039	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1024487	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	523310	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.200	65	77557	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.779	113	353082	47.07	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.14%			
44) 1,2-Dichloroethane-d4	7.327	65	402018	47.16	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 94.32%			
55) Toluene-d8	9.144	98	1263836	46.78	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 93.56%			
77) 4-Bromofluorobenzene	11.918	174	362396	44.46	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 88.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.712	85	255129	37.92	ug/L #	60
3) Chloromethane	2.889	50	302257	28.52	ug/L	86
4) Vinyl Chloride	3.023	62	345134	27.89	ug/L	84
5) Bromomethane	3.419	94	256088	26.68	ug/L	97
6) Chloroethane	3.566	64	186118	26.48	ug/L #	100
7) Trichlorofluoromethane	3.718	101	470891m	24.49	ug/L	
8) Ethyl Ether	4.035	59	168901	23.42	ug/L	77
9) 1,2-Dichlorotrifluoroe...	4.267	67	346455	29.26	ug/L	94
10) 1,1-Dichloroethene	4.297	61	418263	31.30	ug/L	65
11) Freon 113	4.358	101	296008	27.45	ug/L #	45
12) Carbon Disulfide	4.358	76	677059	21.45	ug/L	100
13) Iodomethane	4.480	142	474715	26.20	ug/L	73
14) Allyl chloride	4.809	41	282085	21.70	ug/L	86
15) Methylene Chloride	4.931	49	306115	29.23	ug/L	93
16) Acetone	4.974	43	176792	79.14	ug/L	84
17) Methyl acetate	5.084	43	537678m	99.08	ug/L	
18) trans-1,2-Dichloroethene	5.096	61	308726	28.60	ug/L	87
19) Hexane	5.145	56	148861m	28.09	ug/L	
20) Methyl Tert Butyl Ether	5.206	73	402142	21.48	ug/L	79
21) Acetonitrile	5.498	41	130674	192.85	ug/L	85
22) Di-isopropyl ether	5.571	45	585357	24.42	ug/L	91
23) Chloroprene	5.724	53	270662	25.18	ug/L #	92
24) 1,1-Dichloroethane	5.754	63	391939	28.51	ug/L	79
25) Acrylonitrile	5.815	53	230273	116.30	ug/L	84
26) ETBE	5.962	59	514894	23.50	ug/L	90
27) Vinyl acetate	5.980	43	1388574	133.01	ug/L	84
28) cis-1,2-Dichloroethene	6.321	96	204530	26.73	ug/L	81
29) 2,2-Dichloropropane	6.449	77	311471	30.28	ug/L	93
30) Bromochloromethane	6.535	128	95938	24.47	ug/L #	45
31) Cyclohexane	6.541	56	340715	30.21	ug/L #	48
32) Chloroform	6.583	83	395467	27.61	ug/L	76
33) Ethyl acetate	6.669	43	596076	109.54	ug/L	91
34) Tetrahydrofuran	6.760	42	36549	22.08	ug/L #	62

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On : 1 Nov 2013 1:52 pm
Operator : WILFREDO
Sample : FA9397-10ms
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:36:29 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	Carbon Tetrachloride	6.748	117	289167	29.01	ug/L		96
37)	1,1,1-Trichloroethane	6.821	97	328710	28.73	ug/L		87
38)	2-Butanone	6.894	43	278862	94.74	ug/L		75
39)	1,1-Dichloropropene	6.931	75	301994	30.94	ug/L		75
40)	Propionitrile	7.218	54	165713	195.65	ug/L		92
41)	Methacrylonitrile	7.236	41	871987	204.91	ug/L		92
42)	Benzene	7.193	78	831512	28.92	ug/L		74
43)	TAME	7.266	73	476792	23.10	ug/L		95
45)	1,2-Dichloroethane	7.394	62	272807	26.86	ug/L		78
46)	Trichloroethene	7.760	95	233852	29.72	ug/L	#	73
47)	Methylcyclohexane	7.760	83	352900	28.64	ug/L		88
48)	Dibromomethane	8.199	93	124128	25.98	ug/L		92
49)	1,2-Dichloropropane	8.297	63	214406	28.23	ug/L		82
50)	Bromodichloromethane	8.339	83	271716	27.31	ug/L	#	90
51)	Methyl methacrylate	8.449	41	103171	21.15	ug/L	#	67
52)	2-Chloroethyl vinyl ether	8.876	63	6645	1.58	ug/L	#	35
53)	cis-1,3-Dichloropropene	8.961	75	307136	26.16	ug/L	#	67
56)	Toluene	9.193	91	898179	28.64	ug/L		91
57)	2-Nitropropane	9.443	41	137376	109.77	ug/L	#	78
58)	4-Methyl-2-pentanone	9.552	43	683081	123.38	ug/L		86
59)	trans-1,3-Dichloropropene	9.595	75	299143	30.15	ug/L		90
60)	Tetrachloroethene	9.583	166	220929	25.71	ug/L		90
61)	Ethyl methacrylate	9.711	69	156204	19.70	ug/L		84
62)	1,1,2-Trichloroethane	9.766	83	145545	26.73	ug/L		97
63)	Dibromochloromethane	9.955	129	178816	25.71	ug/L		89
64)	1,3-Dichloropropane	10.046	76	283327	26.27	ug/L		75
65)	1,2-Dibromoethane	10.211	107	155495	25.59	ug/L		94
66)	2-hexanone	10.375	43	440664	106.48	ug/L		90
67)	1-Chlorohexane	10.650	91	269030	26.73	ug/L	#	67
68)	Ethylbenzene	10.717	91	1106432	29.09	ug/L		91
69)	Chlorobenzene	10.717	112	642137	30.40	ug/L		89
70)	1,1,1,2-Tetrachloroethane	10.772	131	199769	28.54	ug/L	#	68
71)	m,p-Xylene	10.857	91	1665289	62.33	ug/L		94
72)	o-Xylene	11.296	91	765548	31.49	ug/L		91
73)	Styrene	11.351	104	581442	27.64	ug/L		87
74)	Bromoform	11.406	173	96156	23.22	ug/L		85
75)	Isopropylbenzene	11.607	105	974611	32.24	ug/L		82
78)	cis-1,4-Dichloro-2-butene	11.973	53	28696	18.75	ug/L	#	68
79)	n-Propylbenzene	12.028	91	1271277	32.34	ug/L		86
80)	Bromobenzene	12.040	156	250881	26.72	ug/L		84
81)	1,1,2,2-Tetrachloroethane	12.101	83	210047	25.40	ug/L	#	42
82)	1,3,5-Trimethylbenzene	12.217	105	861467	28.46	ug/L		93
83)	2-Chlorotoluene	12.210	91	844737	30.28	ug/L		95
84)	trans-1,4-Dichloro-2-B...	12.290	53	34748	22.08	ug/L		91
85)	1,2,3-Trichloropropane	12.265	110	52797	24.05	ug/L		69
86)	Cyclohexanone	12.326	55	14309	69.23	ug/L	#	68
87)	4-Chlorotoluene	12.381	91	743514	31.98	ug/L		80
88)	tert-Butylbenzene	12.552	91	471603	31.15	ug/L		98
89)	1,2,4-Trimethylbenzene	12.625	105	854151	28.55	ug/L		96
90)	Pentachloroethane	12.601	167	119515	27.40	ug/L	#	50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On : 1 Nov 2013 1:52 pm
Operator : WILFREDO
Sample : FA9397-10ms
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:36:29 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

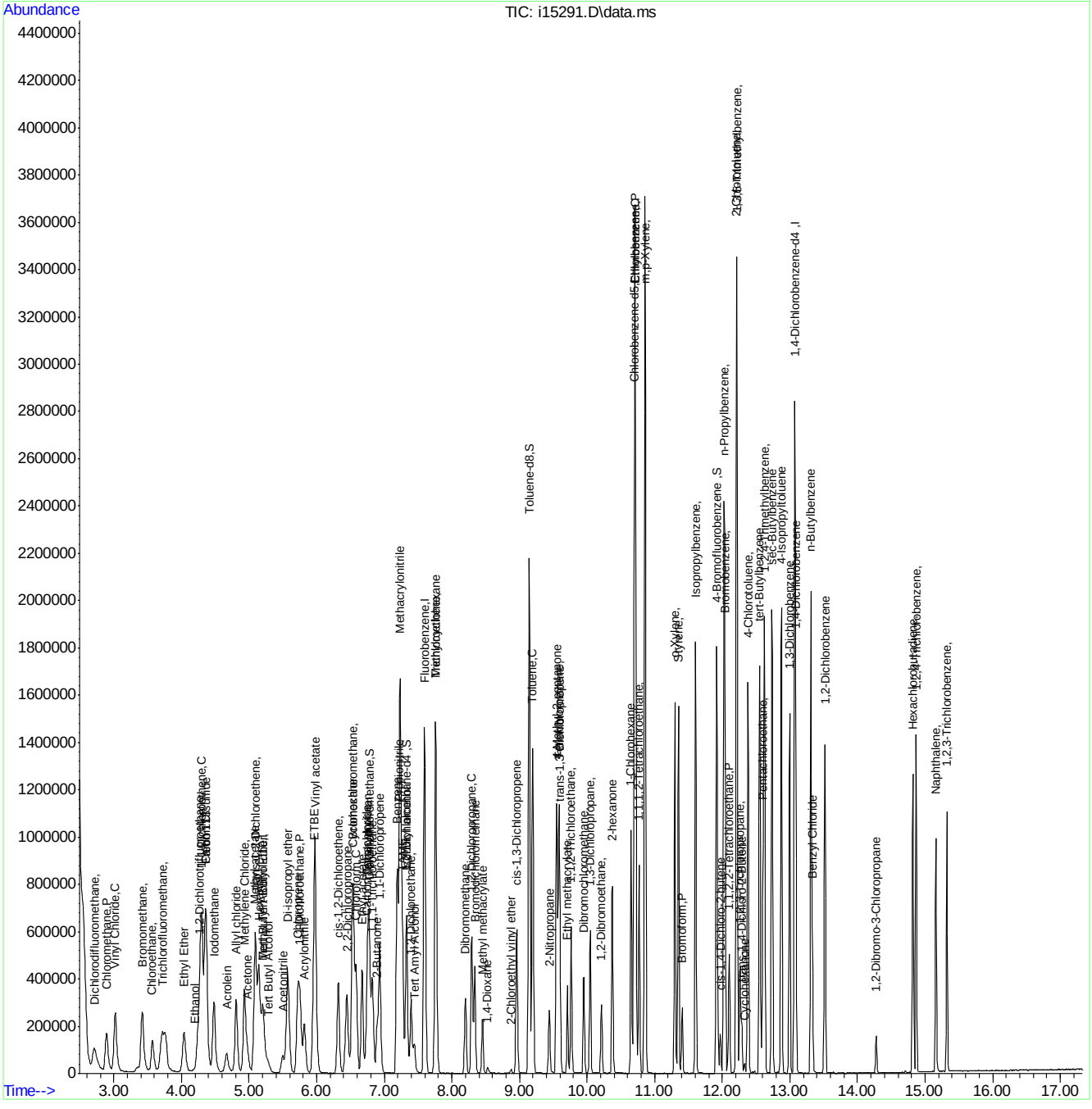
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	sec-Butylbenzene	12.735	105	1129871	32.94	ug/L		95
92)	4-Isopropyltoluene	12.875	119	904945	32.04	ug/L		86
93)	1,3-Dichlorobenzene	12.997	146	473521	30.55	ug/L		75
94)	1,4-Dichlorobenzene	13.088	146	497752	27.28	ug/L	#	77
95)	n-Butylbenzene	13.308	92	523439	29.11	ug/L		93
96)	Benzyl Chloride	13.332	126	61785	22.31	ug/L	#	1
97)	1,2-Dichlorobenzene	13.521	146	429226	29.00	ug/L		90
98)	1,2-Dibromo-3-Chloropr...	14.277	75	28439	26.52	ug/L	#	78
99)	Hexachlorobutadiene	14.820	225	142193	29.59	ug/L		81
100)	1,2,4-Trichlorobenzene	14.868	180	273084	27.21	ug/L		86
101)	Naphthalene	15.161	128	502129	26.26	ug/L		99
102)	1,2,3-Trichlorobenzene	15.326	180	233742	27.47	ug/L		86
104)	Ethanol	4.194	45	25601m	483.00	ug/L		
105)	Acrolein	4.669	56	117185	129.53	ug/L		88
106)	Tert Butyl Alcohol	5.285	59	85085	231.70	ug/L	#	100
107)	Isobutyl alcohol	7.327	42	51045	445.43	ug/L	#	38
108)	Tert Amyl Alcohol	7.443	59	71683	242.33	ug/L	#	36
109)	1,4-Dioxane	8.528	88	15974	421.78	ug/L		83

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On : 1 Nov 2013 1:52 pm
Operator : WILFREDO
Sample : FA9397-10ms
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:36:29 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number:	FA9397-10MS	**Method:**	SW846 8260B
Lab FileID:	I15291.D	**Analyst approved:**	11/01/13 14:37 Wilfredo Vazquez
Injection Time:	11/01/13 13:52	**Supervisor approved:**	11/01/13 15:20 Juan Garcia

Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.72	Split peak
Ethyl Alcohol	64-17-5		4.19	Missed peak
Methyl Acetate	79-20-9		5.08	Overlapping peak
Hexane	110-54-3		5.14	Overlapping peak

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On    :  1 Nov 2013   1:52 pm
Operator  : WILFREDO
Sample    : FA9397-10ms
Misc      : ms25566,vi197,,,,,
ALS Vial  : 11   Sample Multiplier: 1

Quant Time: Nov 01 14:35:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
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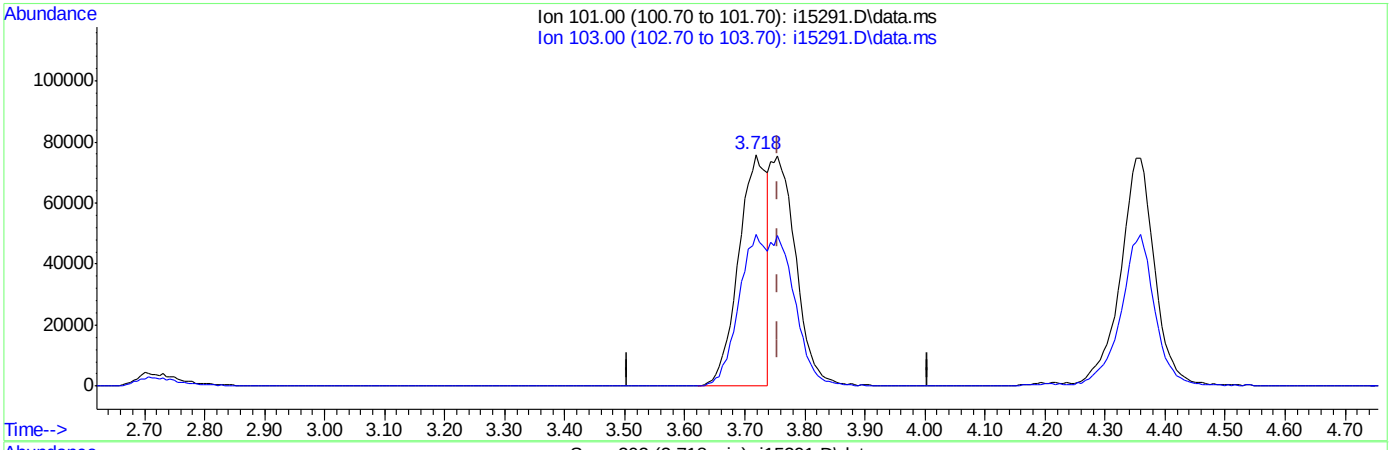
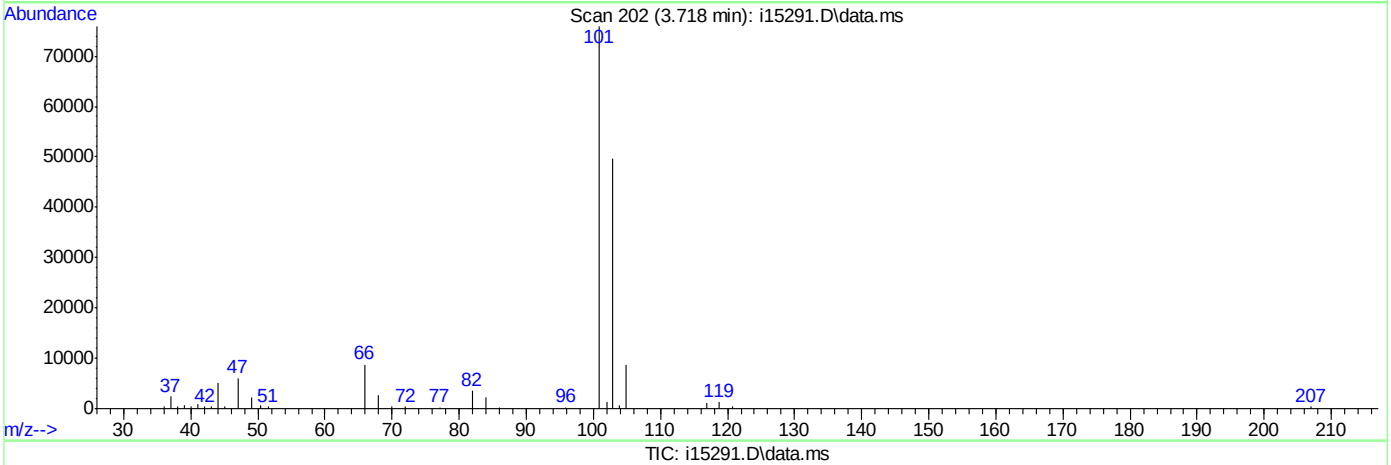




TIC: i15291.D\data.ms

(7) Trichlorofluoromethane ( )

3.718min (-0.037) 12.76ug/L

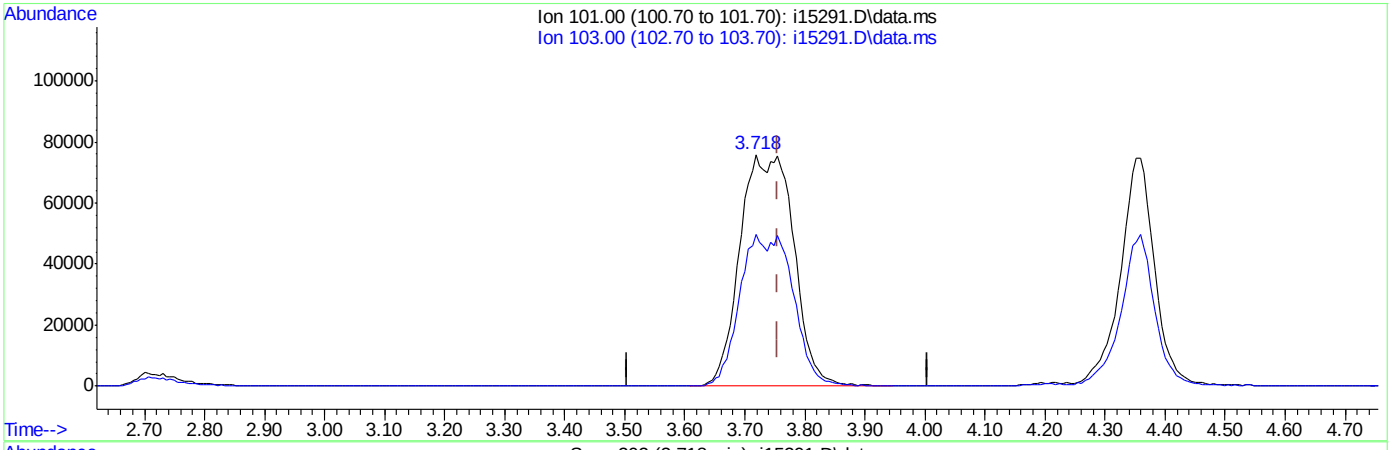
response 242992

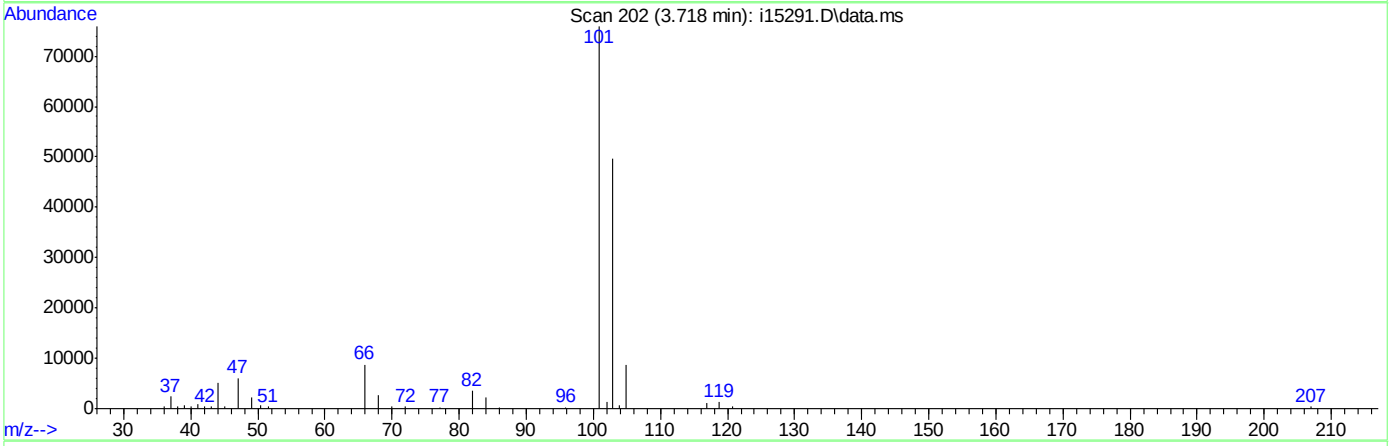
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	65.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On : 1 Nov 2013 1:52 pm
Operator : WILFREDO
Sample : FA9397-10ms
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:35:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15291.D\data.ms

(7) Trichlorofluoromethane ( )

3.718min (-0.037) 24.49ug/L m

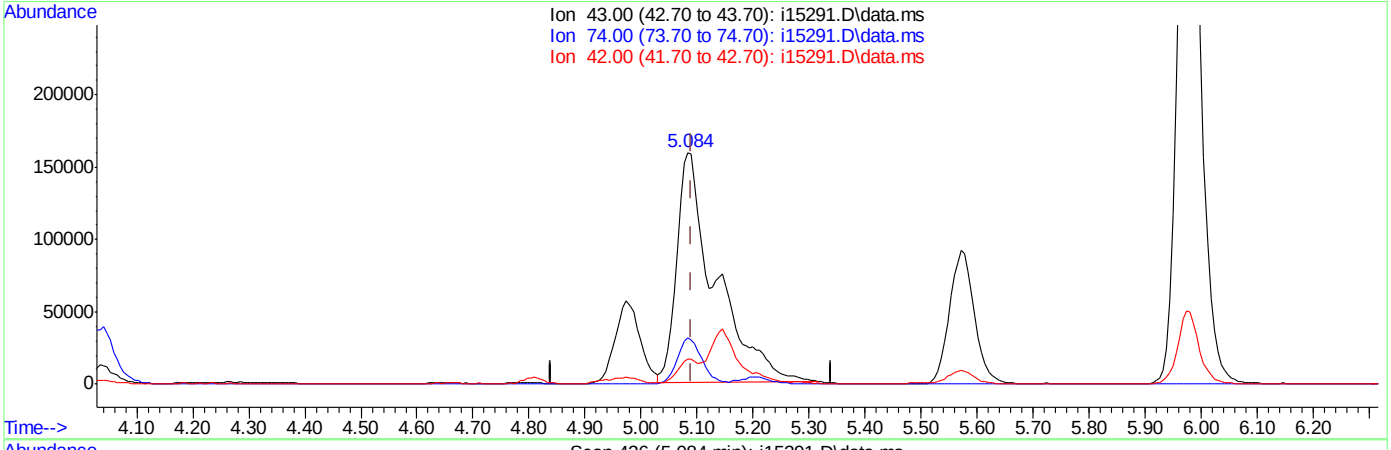
response 470891

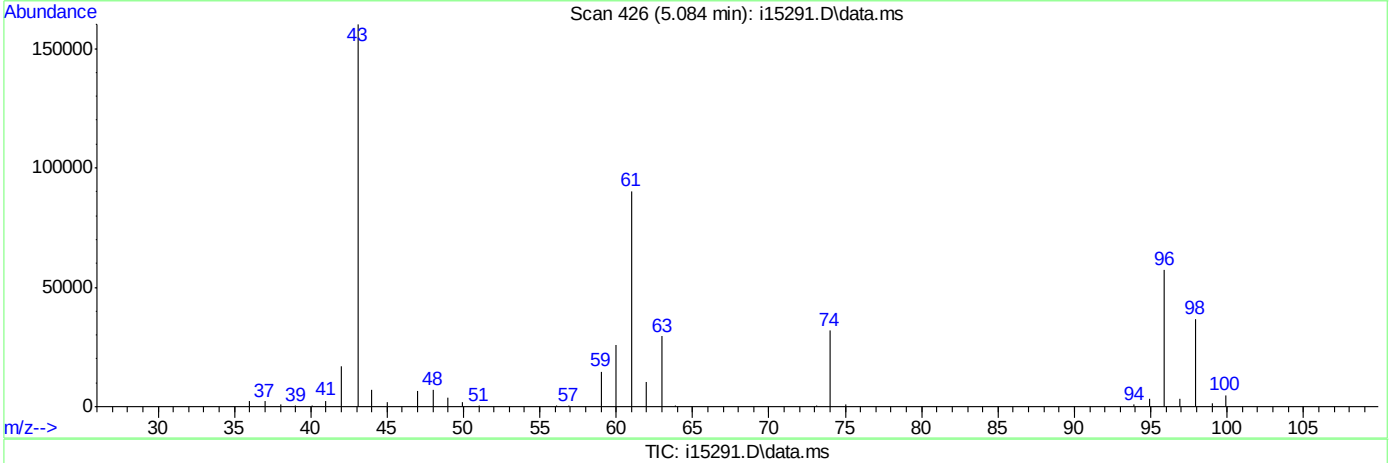
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	65.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On : 1 Nov 2013 1:52 pm
Operator : WILFREDO
Sample : FA9397-10ms
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:35:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15291.D\data.ms

(17) Methyl acetate

5.084min (-0.006) 139.43ug/L

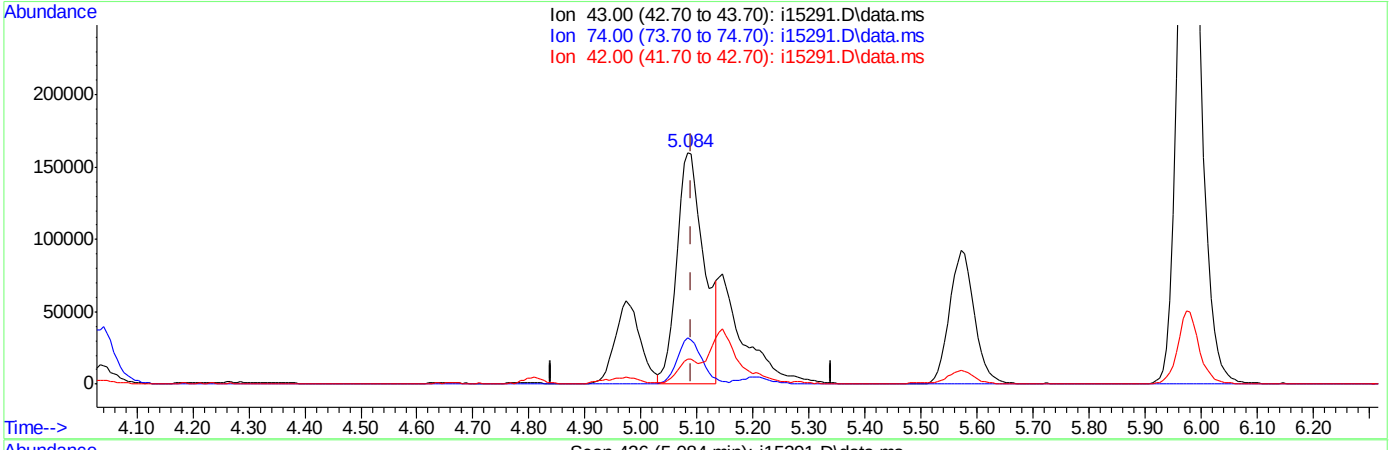
response 762631

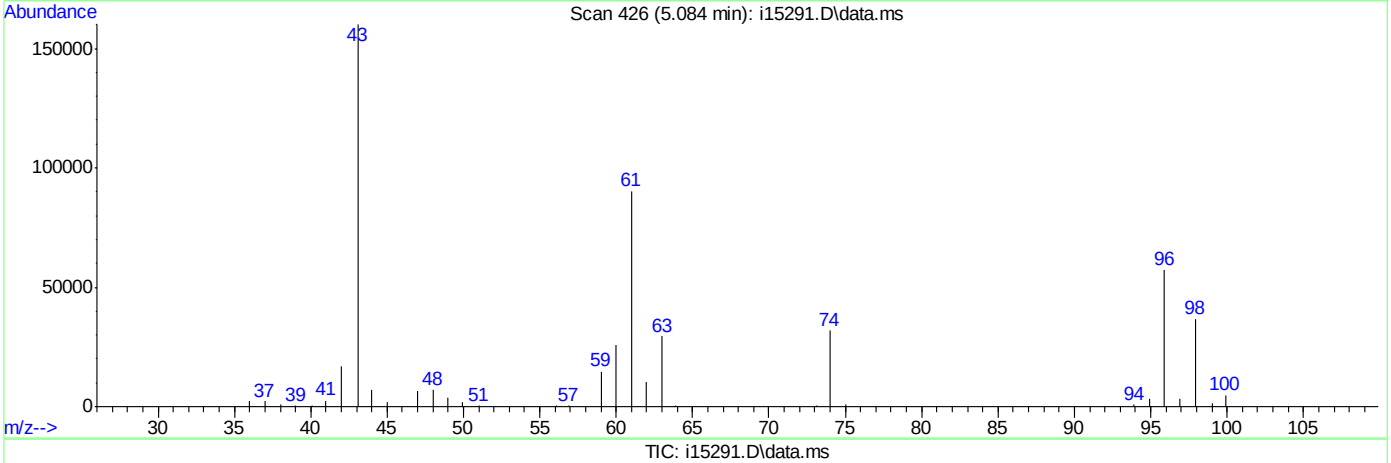
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	20.10
42.00	14.70	10.30
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On : 1 Nov 2013 1:52 pm
Operator : WILFREDO
Sample : FA9397-10ms
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:35:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15291.D\data.ms

(17) Methyl acetate

5.084min (-0.006) 99.08ug/L m

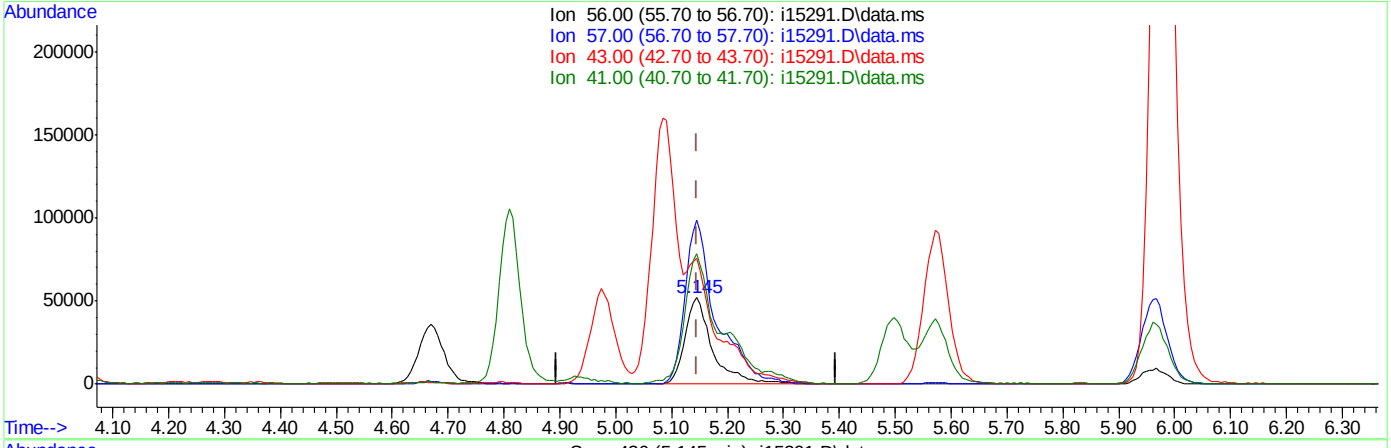
response 537678

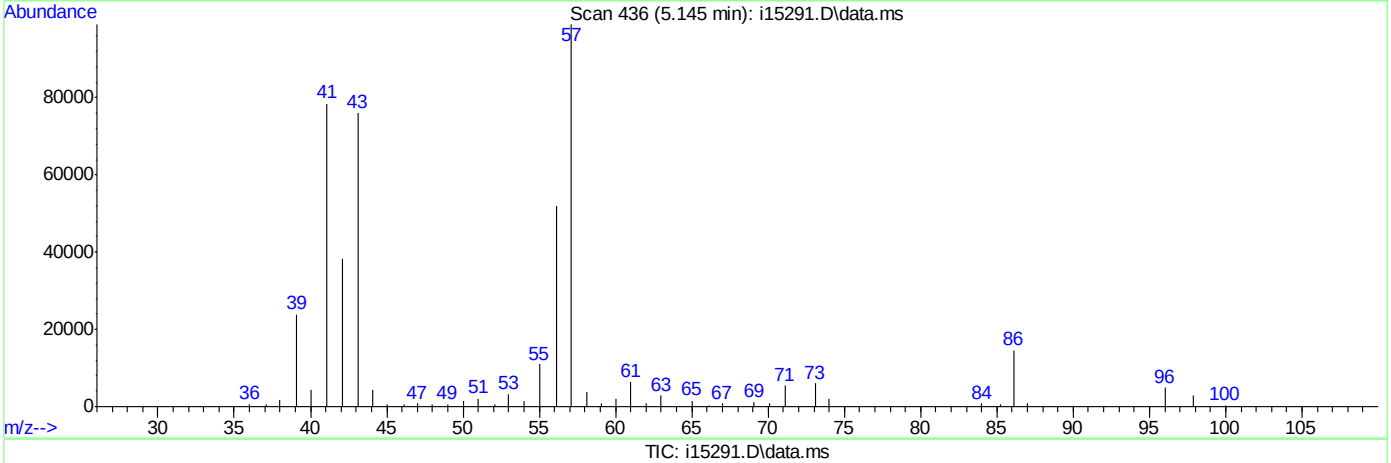
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	19.85
42.00	14.70	10.63
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On : 1 Nov 2013 1:52 pm
Operator : WILFREDO
Sample : FA9397-10ms
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:35:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15291.D\data.ms

(19) Hexane

5.145min (-0.000) 34.01ug/L

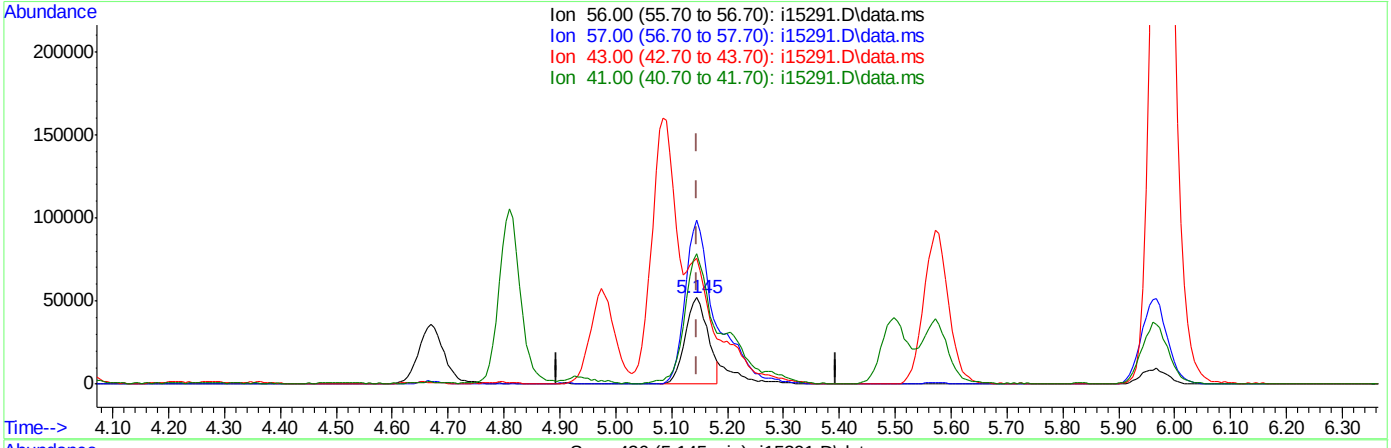
response 180245

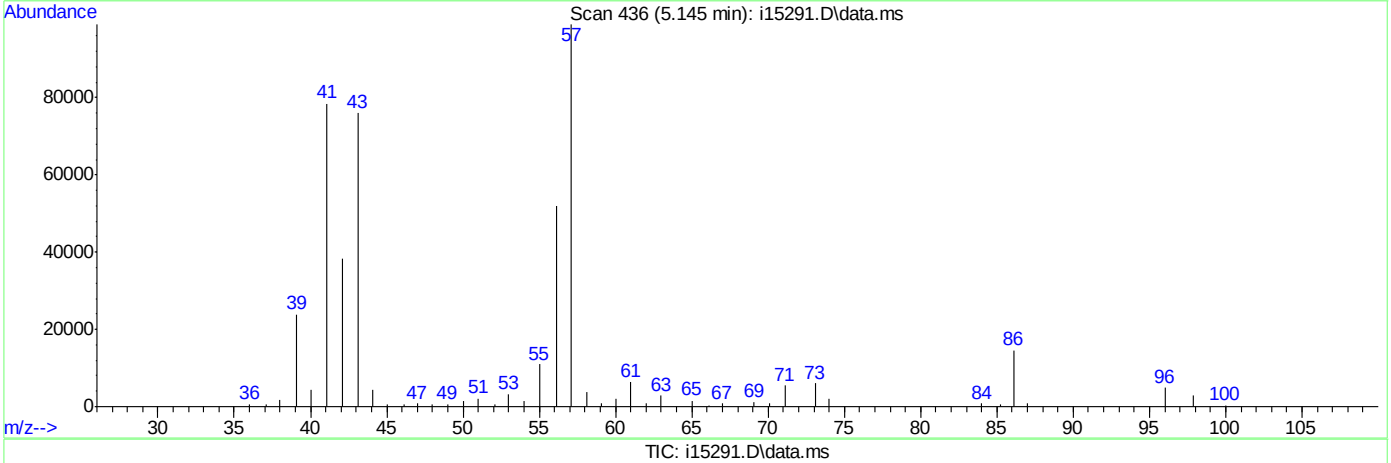
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	190.59#
43.00	185.00	145.26#
41.00	125.10	150.37#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On : 1 Nov 2013 1:52 pm
Operator : WILFREDO
Sample : FA9397-10ms
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:35:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15291.D\data.ms

(19) Hexane

5.145min (-0.000) 28.09ug/L m

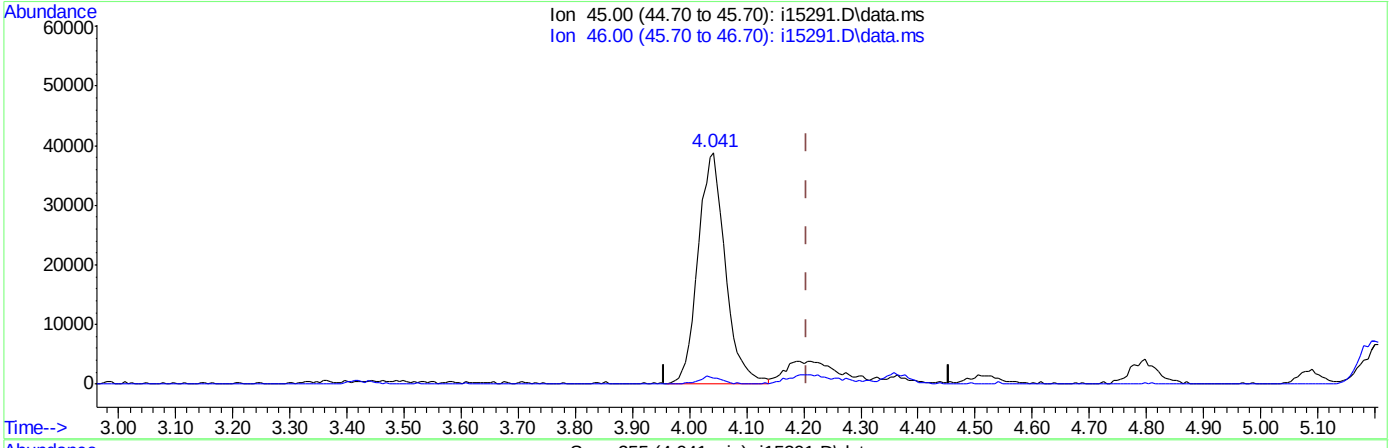
response 148861

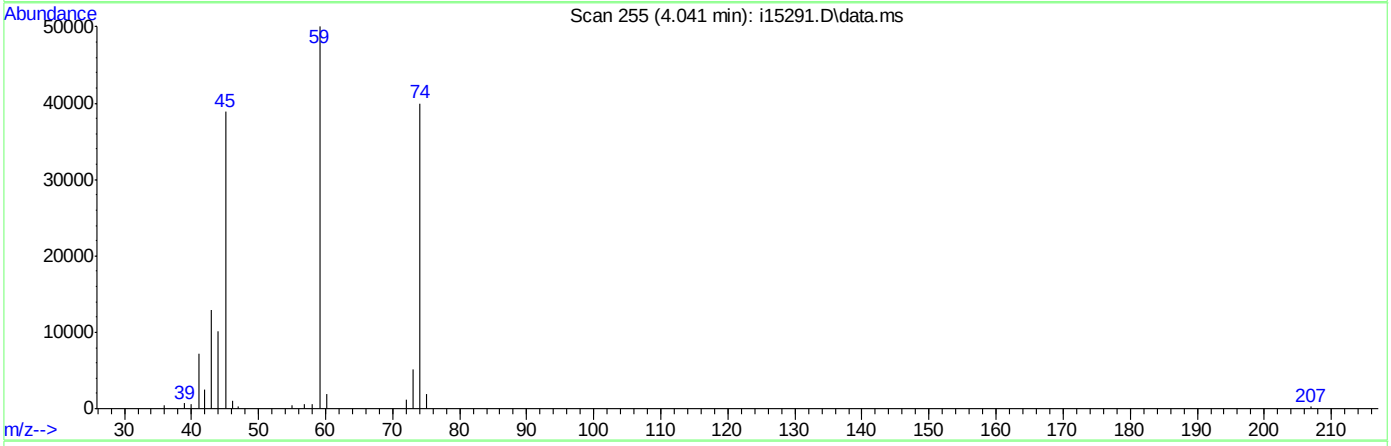
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	190.59#
43.00	185.00	146.31#
41.00	125.10	151.19#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On : 1 Nov 2013 1:52 pm
Operator : WILFREDO
Sample : FA9397-10ms
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:35:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15291.D\data.ms

(104) Ethanol

4.041min (-0.165) 2433.50ug/L

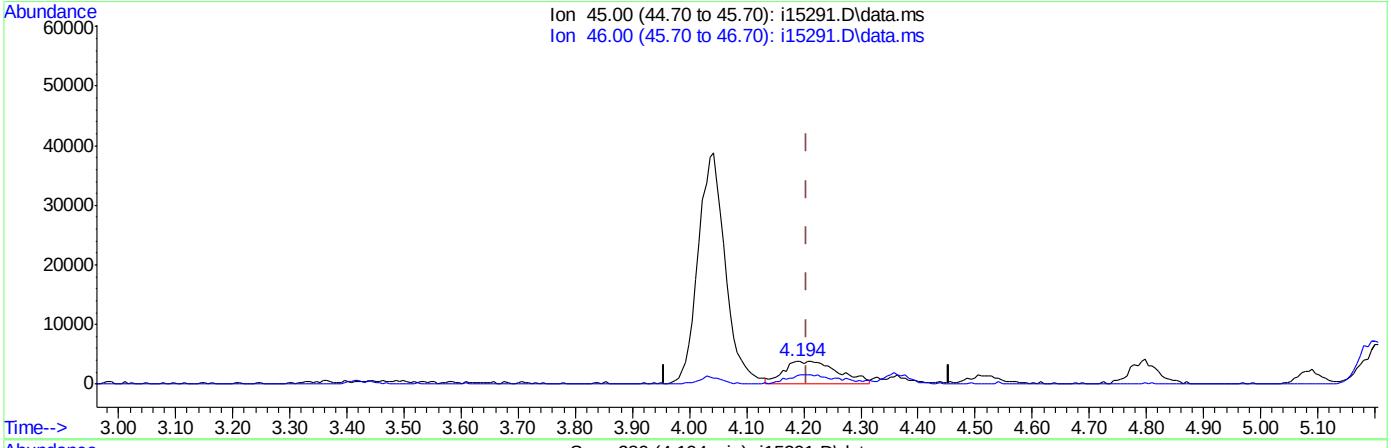
response 128987

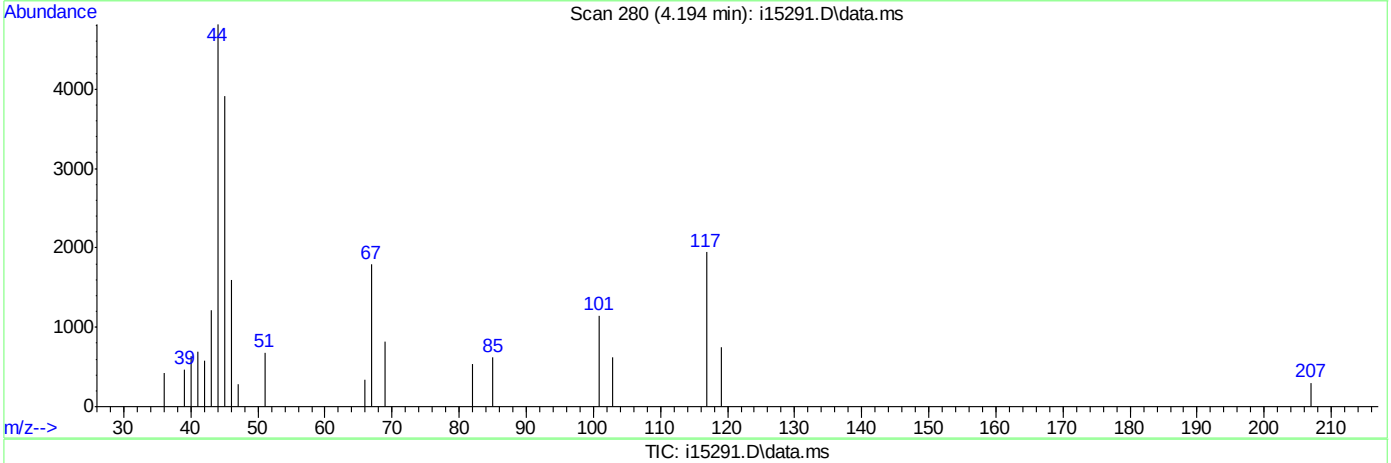
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.50
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15291.D
Acq On : 1 Nov 2013 1:52 pm
Operator : WILFREDO
Sample : FA9397-10ms
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:35:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15291.D\data.ms

(104) Ethanol

4.194min (-0.012) 483.00ug/L m

response 25601

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	40.73#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:35:06 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.589	96	1443083	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1128591	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	558842	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.206	65	93424	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	395068	48.29	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.58%			
44) 1,2-Dichloroethane-d4	7.327	65	448305	48.22	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.44%			
55) Toluene-d8	9.144	98	1382183	46.44	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 92.88%			
77) 4-Bromofluorobenzene	11.918	174	399364	45.88	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 91.76%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	267177	36.41	ug/L #	58
3) Chloromethane	2.889	50	314598	27.22	ug/L	89
4) Vinyl Chloride	3.023	62	356247	26.39	ug/L	81
5) Bromomethane	3.420	94	260452	24.87	ug/L	100
6) Chloroethane	3.572	64	192180	24.95	ug/L #	100
7) Trichlorofluoromethane	3.755	101	487411m	23.26	ug/L	
8) Ethyl Ether	4.035	59	183227	23.29	ug/L	76
9) 1,2-Dichlorotrifluoroe...	4.273	67	358617	27.77	ug/L	96
10) 1,1-Dichloroethene	4.297	61	433860	29.76	ug/L	68
11) Freon 113	4.358	101	301885	25.67	ug/L #	46
12) Carbon Disulfide	4.358	76	718727	20.88	ug/L	98
13) Iodomethane	4.480	142	499611	25.28	ug/L	74
14) Allyl chloride	4.809	41	299731	21.14	ug/L	89
15) Methylene Chloride	4.931	49	314618	27.54	ug/L	92
16) Acetone	4.974	43	192598	79.04	ug/L	78
17) Methyl acetate	5.084	43	534966m	90.53	ug/L	
18) trans-1,2-Dichloroethene	5.096	61	320407	27.22	ug/L	89
19) Hexane	5.139	56	151924m	26.28	ug/L	
20) Methyl Tert Butyl Ether	5.206	73	443996	21.74	ug/L	80
21) Acetonitrile	5.498	41	144037	194.89	ug/L	91
22) Di-isopropyl ether	5.572	45	613770	23.48	ug/L	90
23) Chloroprene	5.718	53	279290	23.82	ug/L #	92
24) 1,1-Dichloroethane	5.754	63	403412	26.90	ug/L	80
25) Acrylonitrile	5.815	53	252004	116.68	ug/L	81
26) ETBE	5.962	59	544983	22.80	ug/L	94
27) Vinyl acetate	5.974	43	1448558	127.21	ug/L	83
28) cis-1,2-Dichloroethene	6.321	96	218323	26.16	ug/L	81
29) 2,2-Dichloropropane	6.443	77	319489	28.48	ug/L	99
30) Bromochloromethane	6.529	128	98725	23.08	ug/L #	45
31) Cyclohexane	6.541	56	343090	27.89	ug/L #	44
32) Chloroform	6.584	83	406790	26.04	ug/L	75
33) Ethyl acetate	6.669	43	629732	106.10	ug/L	90
34) Tetrahydrofuran	6.760	42	38547	21.35	ug/L #	69

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:35:06 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon Tetrachloride	6.748	117	296623	27.28	ug/L		94
37) 1,1,1-Trichloroethane	6.821	97	331924	26.60	ug/L		87
38) 2-Butanone	6.888	43	299087	93.16	ug/L		76
39) 1,1-Dichloropropene	6.925	75	304835	28.63	ug/L		72
40) Propionitrile	7.218	54	175179	189.62	ug/L		84
41) Methacrylonitrile	7.230	41	916970	197.56	ug/L		92
42) Benzene	7.187	78	833768	26.58	ug/L		73
43) TAME	7.266	73	507253	22.53	ug/L		94
45) 1,2-Dichloroethane	7.394	62	278820	25.17	ug/L		74
46) Trichloroethene	7.754	95	230534	26.86	ug/L		73
47) Methylcyclohexane	7.760	83	354839	26.41	ug/L		87
48) Dibromomethane	8.193	93	127721	24.51	ug/L		90
49) 1,2-Dichloropropane	8.290	63	214645	25.91	ug/L		83
50) Bromodichloromethane	8.333	83	274306	25.28	ug/L	#	89
51) Methyl methacrylate	8.449	41	108537	20.40	ug/L	#	64
53) cis-1,3-Dichloropropene	8.955	75	315830	24.67	ug/L	#	68
56) Toluene	9.193	91	915546	26.50	ug/L		92
57) 2-Nitropropane	9.437	41	143605	104.16	ug/L	#	79
58) 4-Methyl-2-pentanone	9.546	43	733723	120.30	ug/L		86
59) trans-1,3-Dichloropropene	9.595	75	305173	27.92	ug/L		91
60) Tetrachloroethene	9.577	166	221476	23.40	ug/L		88
61) Ethyl methacrylate	9.711	69	167758	19.21	ug/L		85
62) 1,1,2-Trichloroethane	9.766	83	151455	25.25	ug/L		95
63) Dibromochloromethane	9.949	129	188845	24.64	ug/L		89
64) 1,3-Dichloropropane	10.046	76	297157	25.01	ug/L		77
65) 1,2-Dibromoethane	10.211	107	165546	24.73	ug/L		92
66) 2-hexanone	10.369	43	476856	104.59	ug/L		88
67) 1-Chlorohexane	10.650	91	274996	24.81	ug/L	#	68
68) Ethylbenzene	10.717	91	1128244	26.93	ug/L		90
69) Chlorobenzene	10.717	112	655716	28.18	ug/L		90
70) 1,1,1,2-Tetrachloroethane	10.772	131	204488	26.52	ug/L	#	70
71) m,p-Xylene	10.857	91	1701349	57.80	ug/L		95
72) o-Xylene	11.296	91	783454	29.26	ug/L		91
73) Styrene	11.351	104	602505	26.07	ug/L		87
74) Bromoform	11.406	173	101982	22.40	ug/L		87
75) Isopropylbenzene	11.607	105	995892	29.98	ug/L		81
78) cis-1,4-Dichloro-2-butene	11.973	53	34696	21.23	ug/L	#	68
79) n-Propylbenzene	12.028	91	1273593	30.34	ug/L		87
80) Bromobenzene	12.040	156	260484	25.98	ug/L		86
81) 1,1,2,2-Tetrachloroethane	12.101	83	223903m	25.36	ug/L		
82) 1,3,5-Trimethylbenzene	12.217	105	870357	26.92	ug/L		92
83) 2-Chlorotoluene	12.210	91	851791	28.59	ug/L		95
84) trans-1,4-Dichloro-2-B...	12.290	53	40526	24.01	ug/L	#	86
85) 1,2,3-Trichloropropane	12.265	110	56443	24.07	ug/L		64
86) Cyclohexanone	12.332	55	16162	73.22	ug/L	#	74
87) 4-Chlorotoluene	12.381	91	754894	30.40	ug/L		78
88) tert-Butylbenzene	12.552	91	475544	29.41	ug/L		99
89) 1,2,4-Trimethylbenzene	12.625	105	860880	26.95	ug/L		94
90) Pentachloroethane	12.601	167	124551	26.74	ug/L	#	52
91) sec-Butylbenzene	12.735	105	1140435	31.14	ug/L		96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:35:06 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

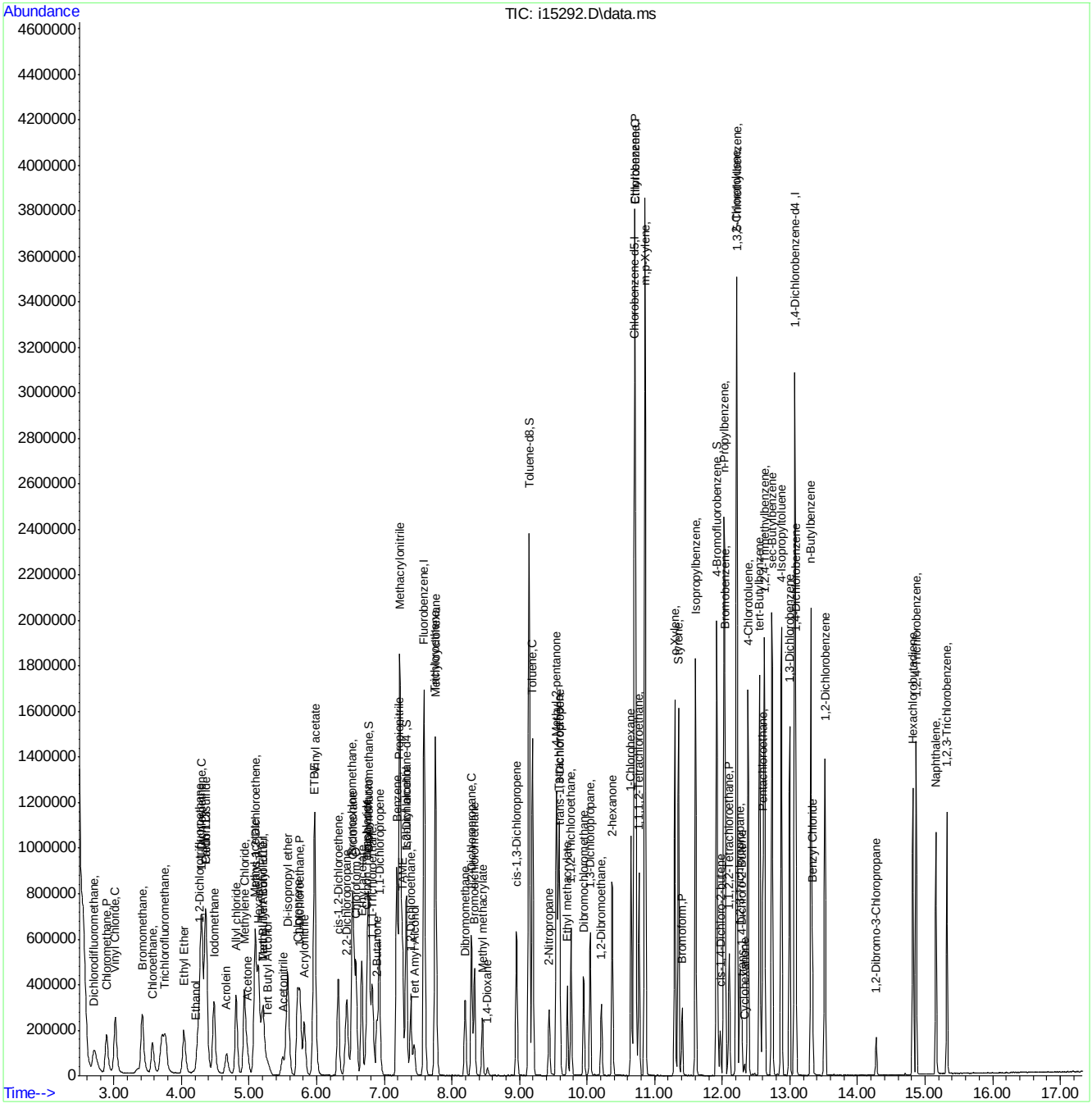
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 4-Isopropyltoluene	12.875	119	909325	30.15	ug/L		85
93) 1,3-Dichlorobenzene	12.997	146	479190	28.95	ug/L		77
94) 1,4-Dichlorobenzene	13.088	146	506440	25.99	ug/L	#	76
95) n-Butylbenzene	13.314	92	518709	27.01	ug/L		95
96) Benzyl Chloride	13.332	126	63020	21.35	ug/L	#	1
97) 1,2-Dichlorobenzene	13.521	146	431733	27.32	ug/L		91
98) 1,2-Dibromo-3-Chloropr...	14.277	75	28297	24.71	ug/L	#	74
99) Hexachlorobutadiene	14.820	225	142295	27.73	ug/L		84
100) 1,2,4-Trichlorobenzene	14.868	180	280888	26.21	ug/L		84
101) Naphthalene	15.161	128	531542	26.03	ug/L		99
102) 1,2,3-Trichlorobenzene	15.326	180	246563	27.14	ug/L		88
104) Ethanol	4.206	45	29805m	466.81	ug/L		
105) Acrolein	4.663	56	128448	117.87	ug/L		89
106) Tert Butyl Alcohol	5.279	59	100982	228.29	ug/L	#	100
107) Isobutyl alcohol	7.327	42	54319	393.50	ug/L	#	40
108) Tert Amyl Alcohol	7.443	59	80312	225.39	ug/L	#	39
109) 1,4-Dioxane	8.528	88	18925	414.83	ug/L		80

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:35:06 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



Manual Integration Approval Summary

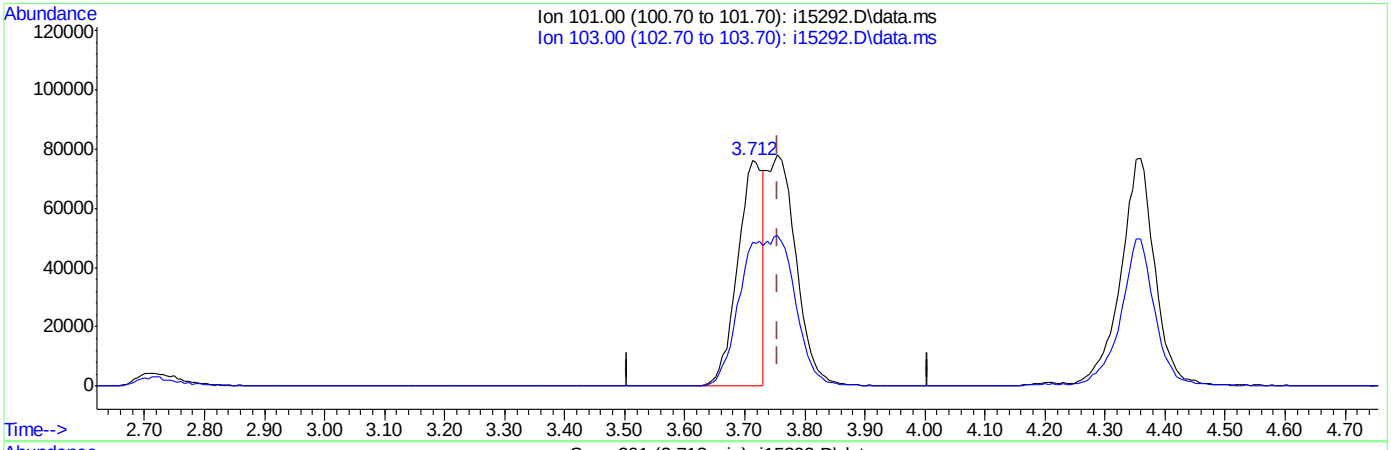
Sample Number:	FA9397-10MSD	**Method:**	SW846 8260B
Lab FileID:	I15292.D	**Analyst approved:**	11/01/13 14:37 Wilfredo Vazquez
Injection Time:	11/01/13 14:18	**Supervisor approved:**	11/01/13 15:20 Juan Garcia

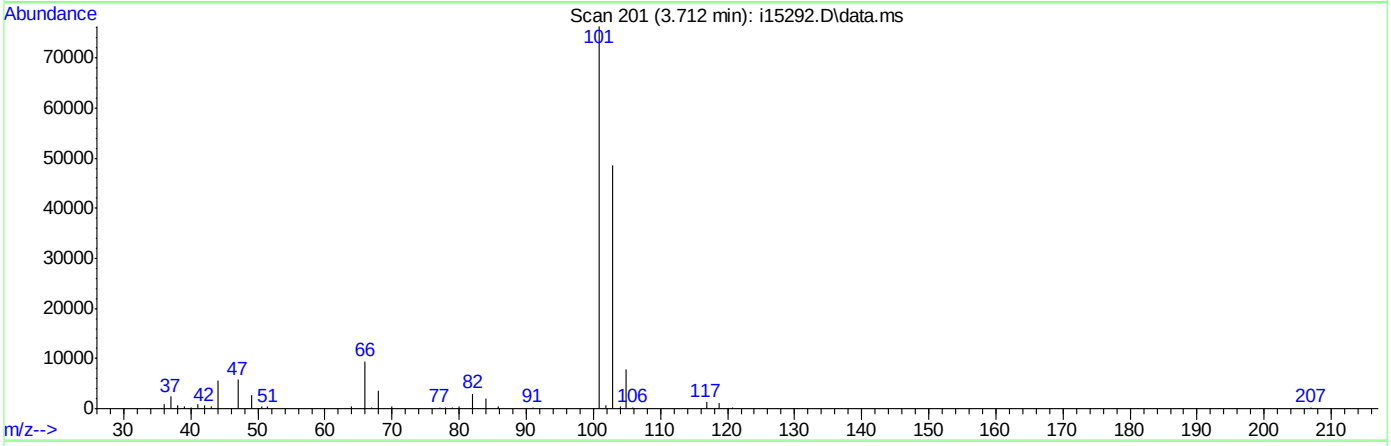
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.75	Split peak
Ethyl Alcohol	64-17-5		4.21	Missed peak
Methyl Acetate	79-20-9		5.08	Overlapping peak
Hexane	110-54-3		5.14	Overlapping peak
1,1,2,2-Tetrachloroethane	79-34-5		12.10	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:33:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15292.D\data.ms

(7) Trichlorofluoromethane ( )

3.712min (-0.043) 10.79ug/L

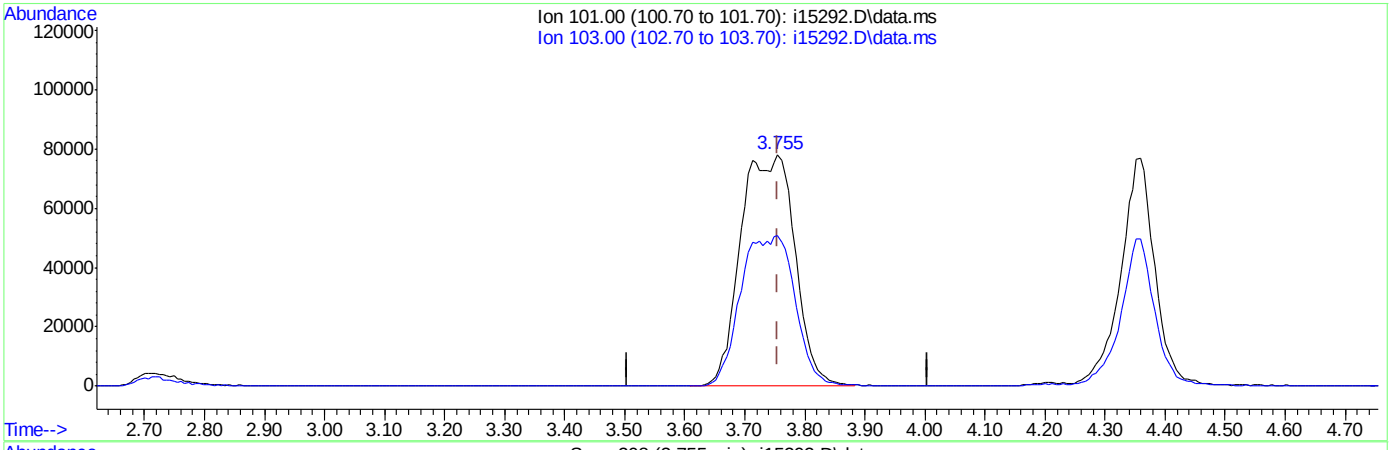
response 223858

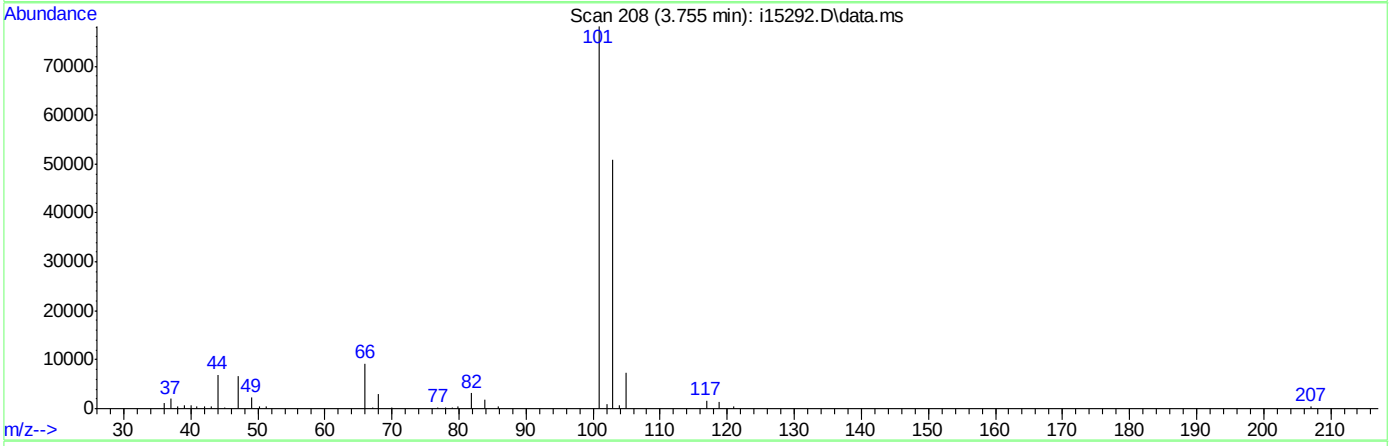
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	63.73
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:33:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15292.D\data.ms

(7) Trichlorofluoromethane ( )

3.755min (-0.000) 23.26ug/L m

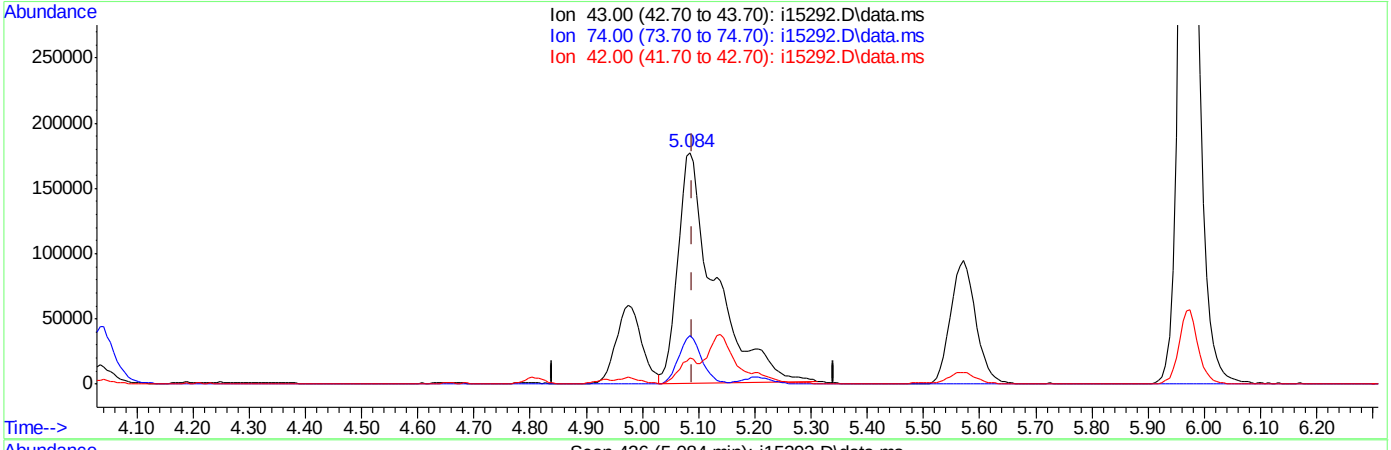
response 487411

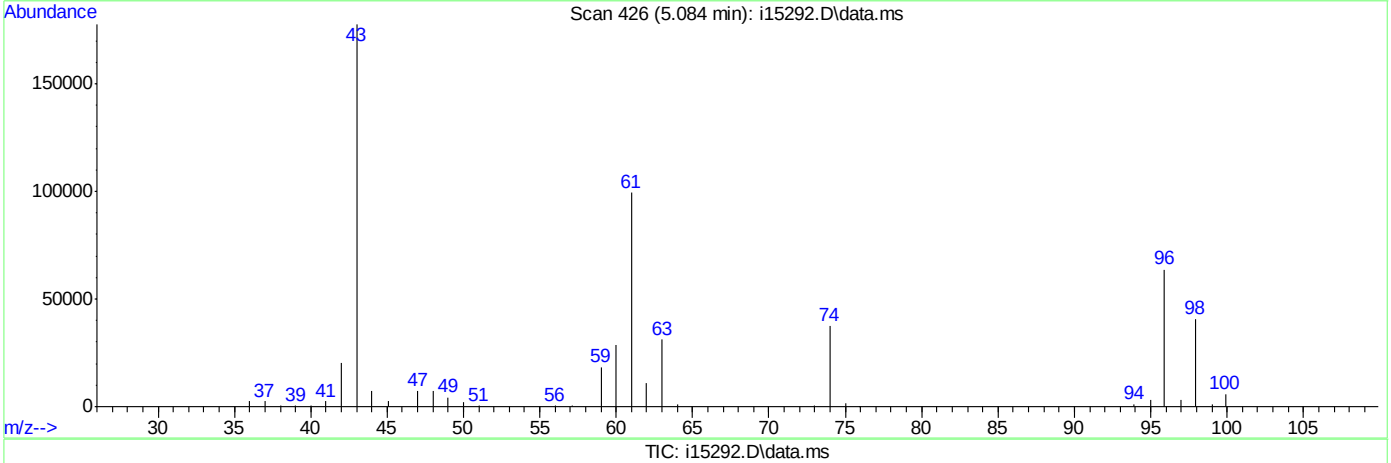
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	65.03
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:33:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15292.D\data.ms

(17) Methyl acetate

5.084min (-0.006) 135.74ug/L

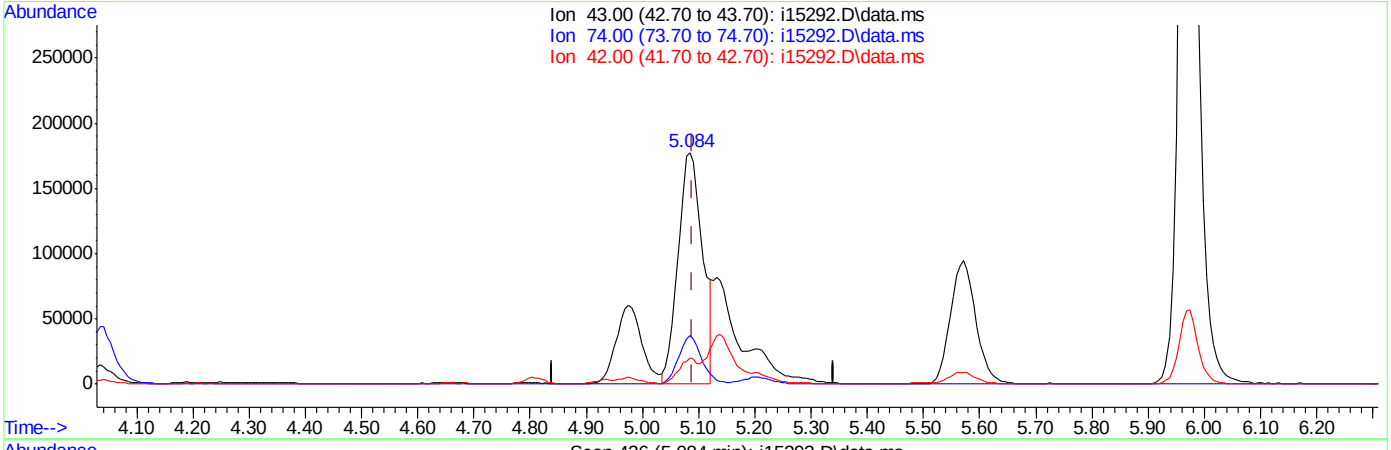
response 809209

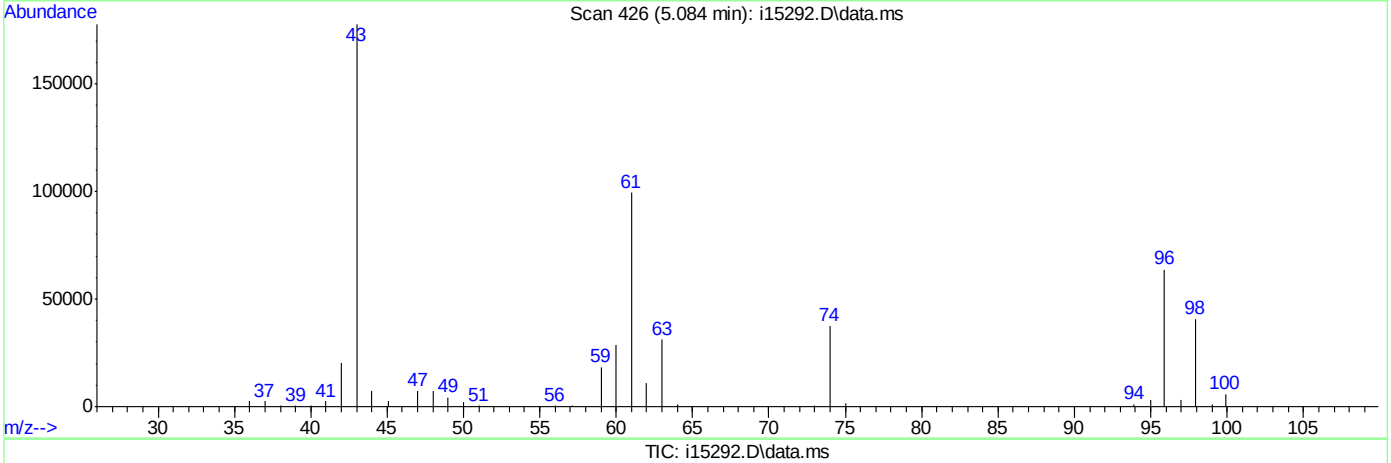
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.24
42.00	14.70	11.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:33:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15292.D\data.ms

(17) Methyl acetate

5.084min (-0.006) 90.53ug/L m

response 534966

Ion	Exp%	Act%
43.00	100	100
74.00	26.50	20.99
42.00	14.70	11.35
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:33:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
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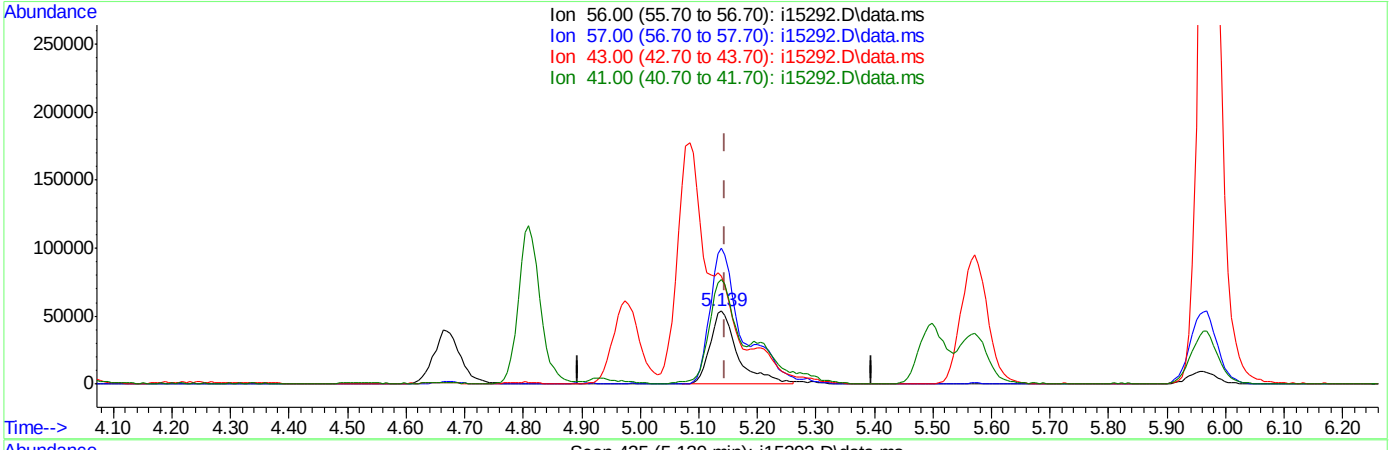

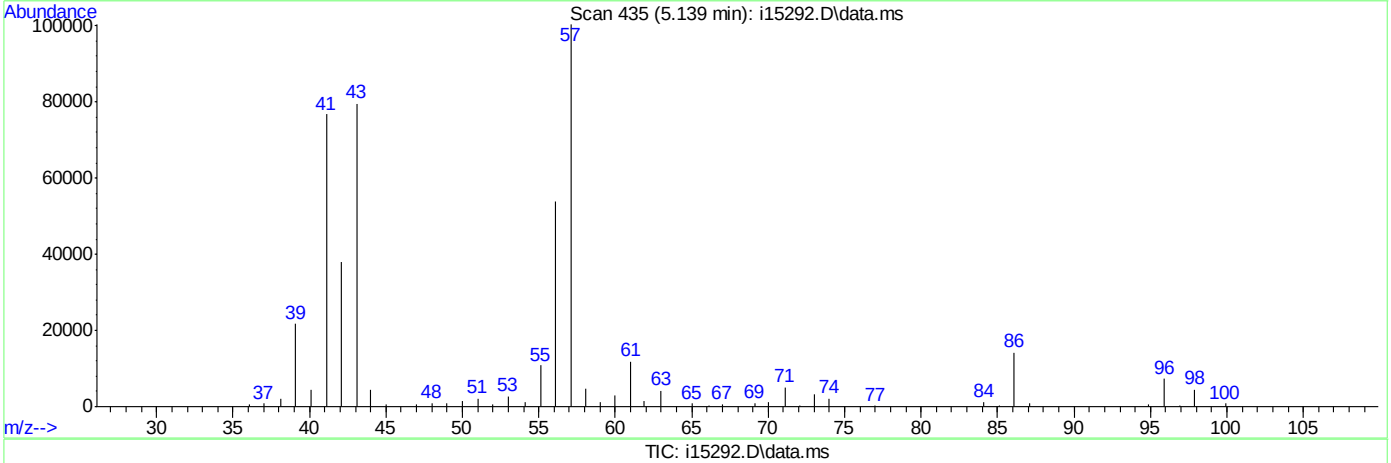

TIC: i15292.D\data.ms

(19) Hexane

5.139min (-0.006) 30.79ug/L

response 177980

Ion	Exp%	Act%
56.00	100	100
57.00	157.00	186.53#
43.00	185.00	136.84#
41.00	125.10	138.81

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:33:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
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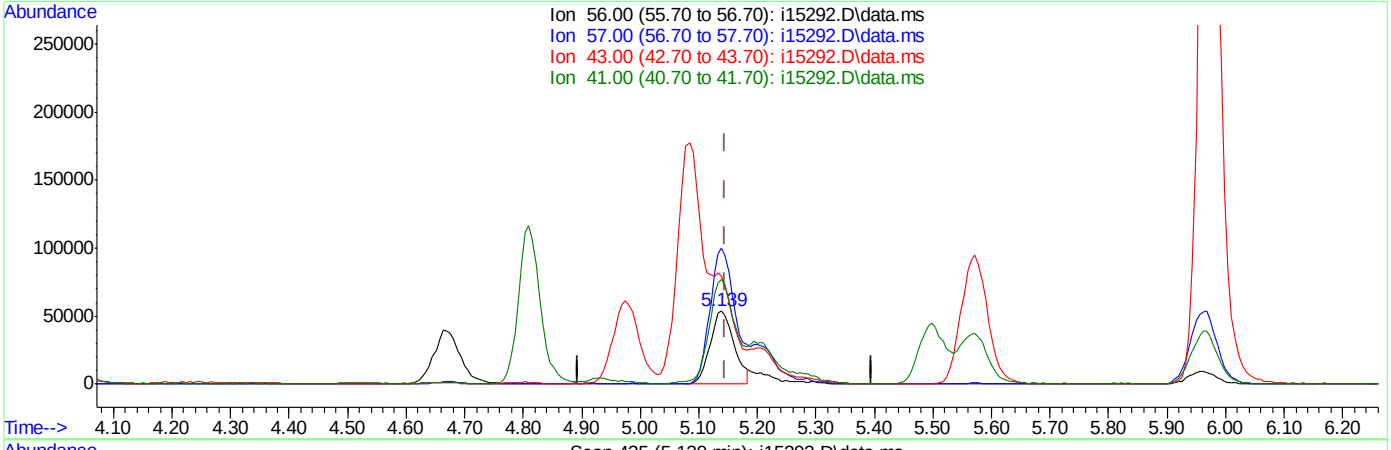

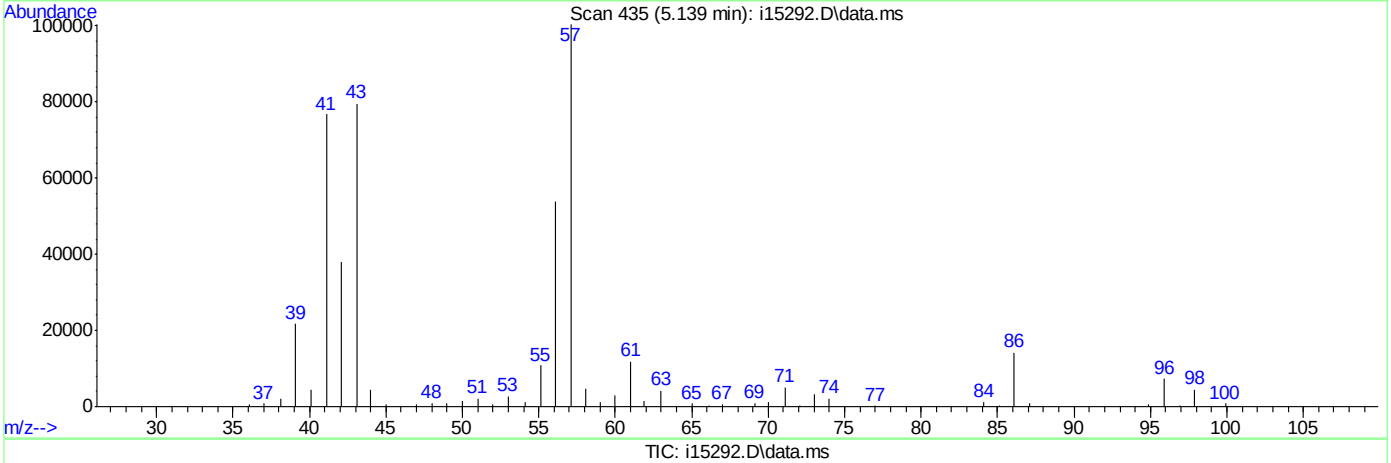

TIC: i15292.D\data.ms

(19) Hexane

5.139min (-0.006) 26.28ug/L m

response 151924

Ion	Exp%	Act%
56.00	100	100
57.00	157.00	186.53#
43.00	185.00	147.93#
41.00	125.10	142.67

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:33:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
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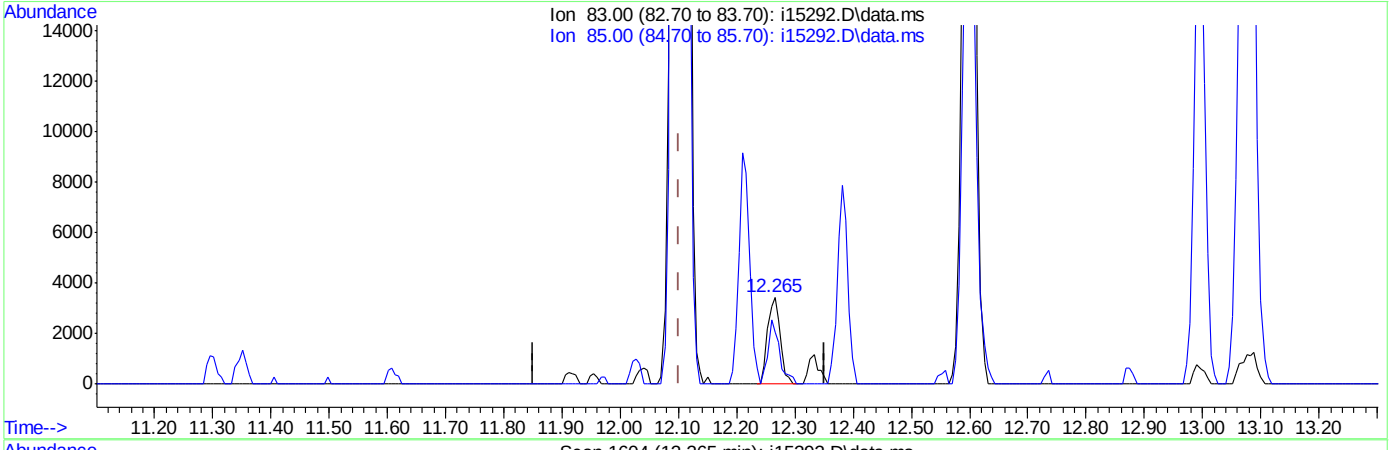

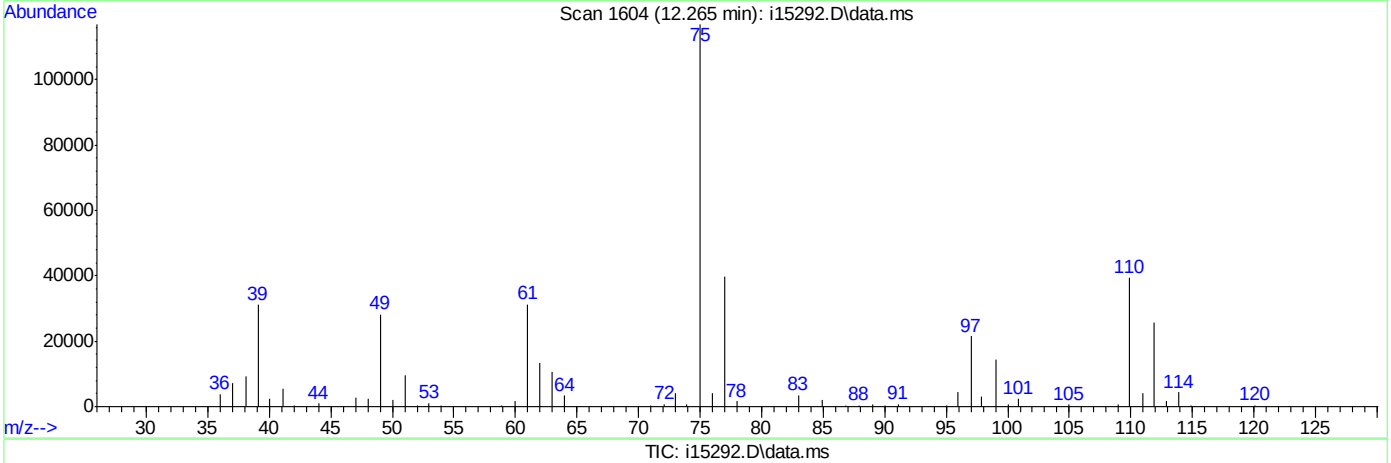

TIC: i15292.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.265min (+0.164) 0.58ug/L

response 5128

Ion	Exp%	Act%
83.00	100	100
85.00	32.20	59.94
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:33:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
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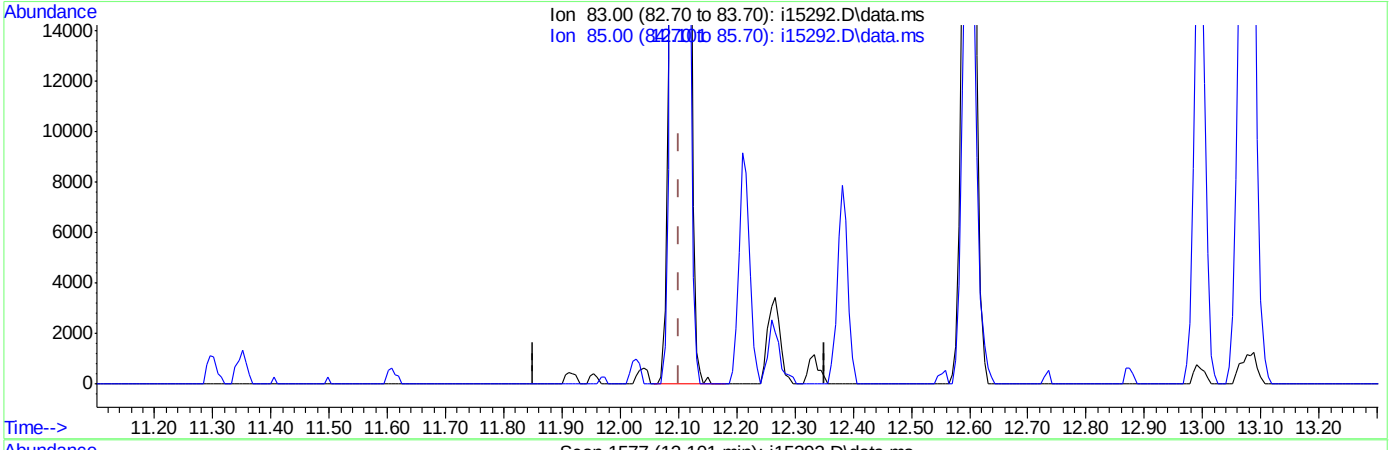
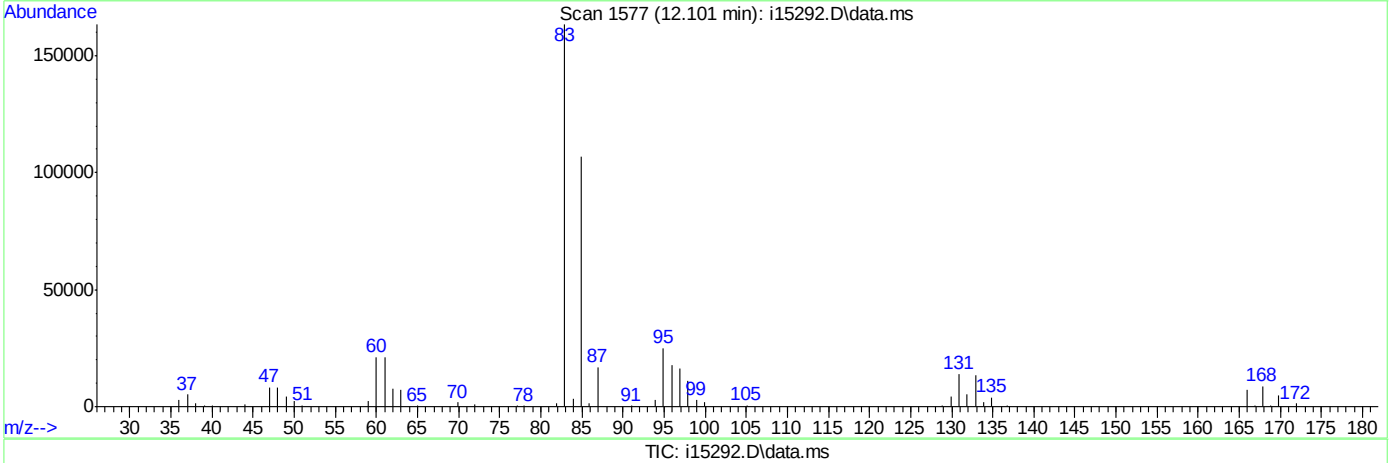




TIC: i15292.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.101min (-0.000) 25.36ug/L m

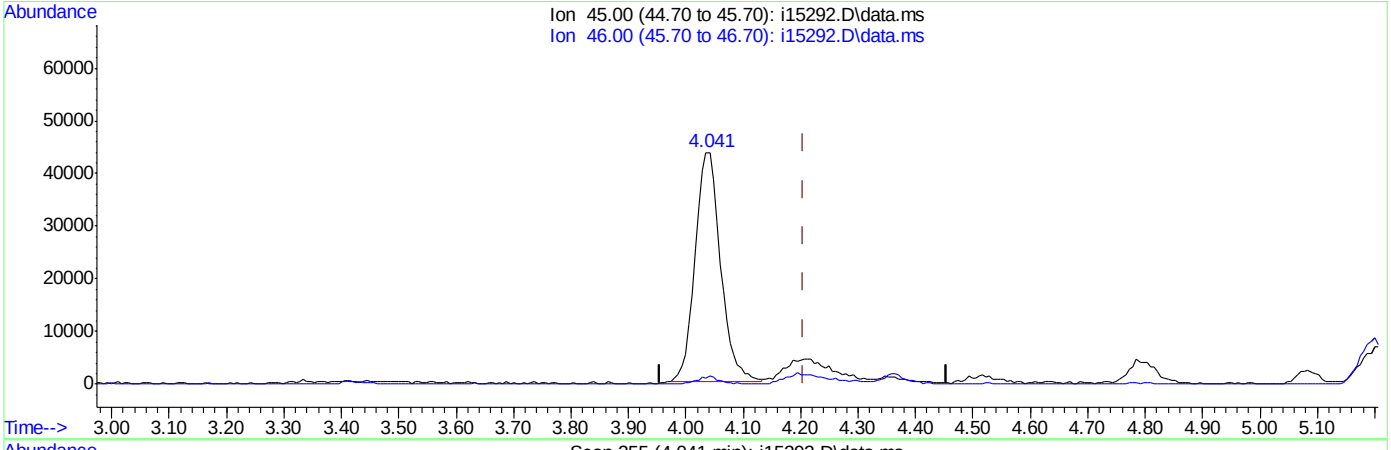
response 223903

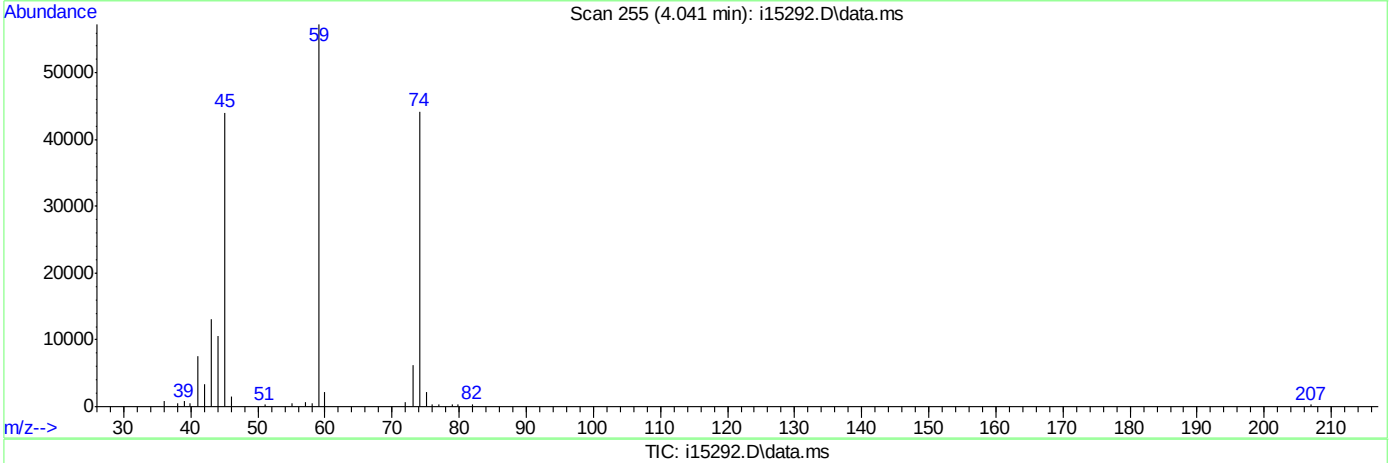
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	65.47#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:33:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15292.D\data.ms

(104) Ethanol

4.041min (-0.165) 2103.11ug/L

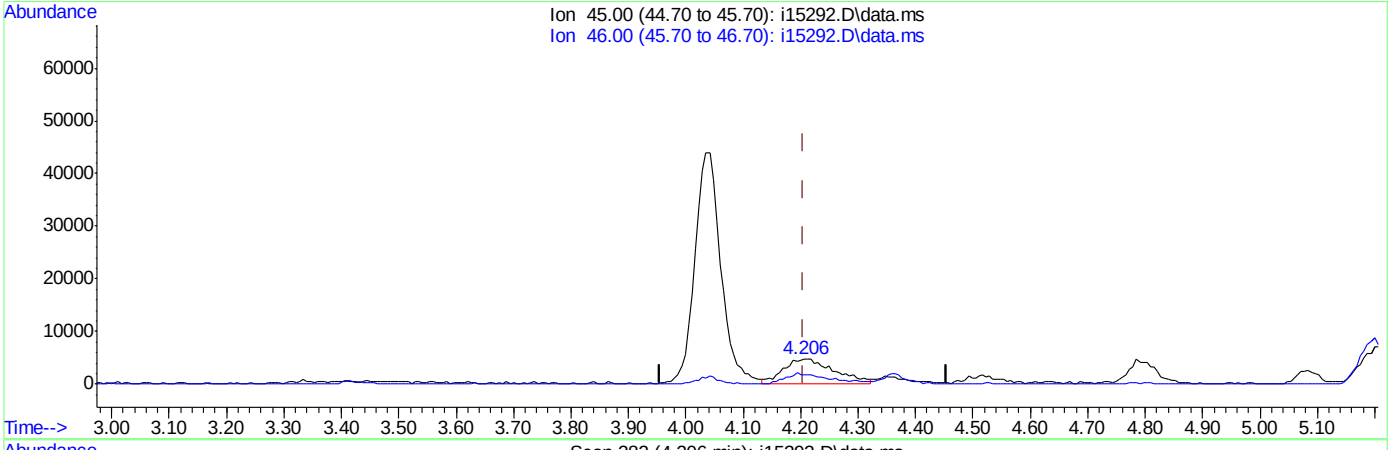
response 134281

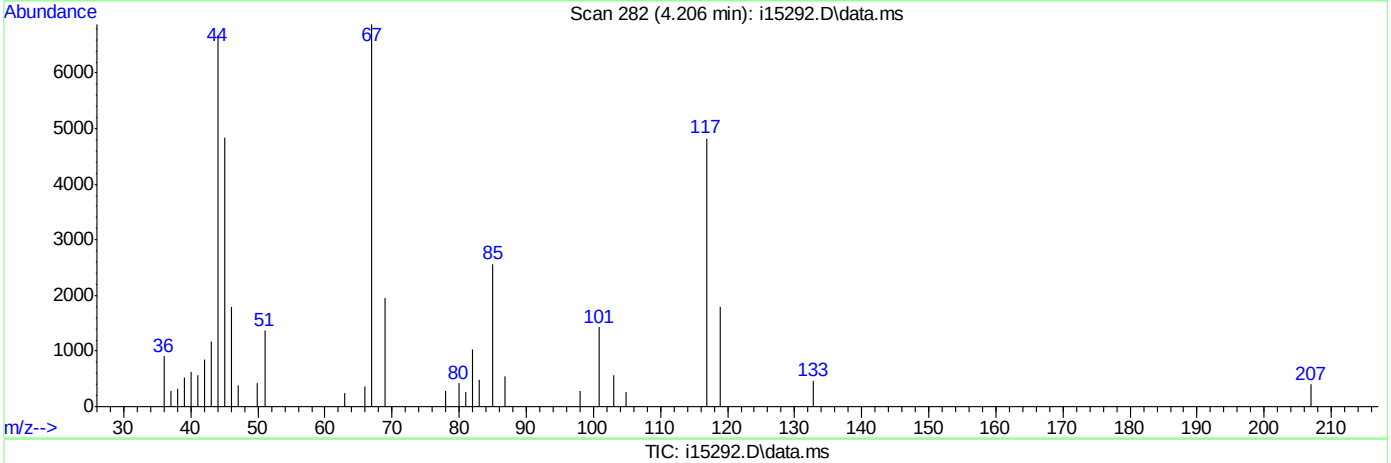
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	3.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15292.D
Acq On : 1 Nov 2013 2:18 pm
Operator : WILFREDO
Sample : FA9397-10msd
Misc : ms25566,vi197,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Nov 01 14:33:46 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15292.D\data.ms

(104) Ethanol

4.206min (-0.000) 466.81ug/L m

response 29805

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	37.07#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/04/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19917.D
Acq On : 1 Nov 2013 7:23 pm
Operator : melissam
Sample : FA9297-8MS
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 04 08:51:53 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	620511	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	497141	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	298628	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	72058	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.671	113	205137	51.67	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 103.34%			
46) 1,2-Dichloroethane-d4	7.214	65	353987	55.20	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 110.40%			
57) Toluene-d8	9.049	98	594118	47.75	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 95.50%			
79) 4-Bromofluorobenzene	11.896	95	300193	48.68	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.36%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.562	85	211068	42.43	ug/L	97
3) Chloromethane	2.757	50	271867	23.84	ug/L	97
4) 1,3-Butadiene	2.891	54	42556	6.24	ug/L #	82
5) Vinyl Chloride	2.891	62	128152	20.46	ug/L	99
6) Bromomethane	3.306	94	60682	20.61	ug/L	96
7) Chloroethane	3.458	64	57236	18.54	ug/L	72
8) Trichlorofluoromethane	3.672	101	237332	24.26	ug/L	96
9) Ethyl Ether	3.958	59	114321	20.89	ug/L	95
10) 1,2-Dichlorotrifluoroe...	4.190	67	167497	26.36	ug/L	98
11) 1,1-Dichloroethene	4.214	61	296180	28.79	ug/L	98
12) Freon 113	4.281	101	141045	24.63	ug/L	97
13) Carbon Disulfide	4.269	76	279272	16.29	ug/L	84
14) Iodomethane	4.391	142	200563	23.28	ug/L	91
15) Allyl chloride	4.726	41	263097	23.26	ug/L	90
16) Methylene Chloride	4.842	49	329874	27.31	ug/L	94
17) Acetone	4.879	58	48379	104.06	ug/L #	48
18) Methyl acetate	5.001	74	56885	82.07	ug/L	97
19) trans-1,2-Dichloroethene	5.013	61	255375	25.31	ug/L	99
20) Hexane	5.080	56	129229m	21.02	ug/L	
21) Methyl Tert Butyl Ether	5.123	73	315035	22.13	ug/L	91
22) Acetonitrile	5.385	40	106244	249.93	ug/L	98
23) Di-isopropyl ether	5.495	45	637739	22.17	ug/L	94
24) Chloroprene	5.629	53	361045	26.31	ug/L	94
25) 1,1-Dichloroethane	5.659	63	288724	24.74	ug/L	99
26) Acrylonitrile	5.708	53	248758	105.15	ug/L	98
27) ETBE	5.879	59	500544	22.03	ug/L	100
28) Vinyl acetate	5.885	43	1596740	133.62	ug/L	97
29) cis-1,2-Dichloroethene	6.220	96	166187	32.59	ug/L	98
30) 2,2-Dichloropropane	6.342	77	209706	24.18	ug/L	95
31) Bromochloromethane	6.427	128	59104	22.55	ug/L	95
32) Cyclohexane	6.452	56	280593	22.24	ug/L	89
33) Chloroform	6.482	83	260608	26.05	ug/L	92
34) Ethyl acetate	6.568	43	748843	117.02	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19917.D
Acq On : 1 Nov 2013 7:23 pm
Operator : melissam
Sample : FA9297-8MS
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 04 08:51:53 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) Tetrahydrofuran	6.653	42	42252	22.30	ug/L		90
37) Carbon Tetrachloride	6.653	117	245098	26.88	ug/L		98
38) 1,1,1-Trichloroethane	6.720	97	276978	29.60	ug/L		98
39) 2-Butanone	6.781	43	360086	127.34	ug/L		96
40) 1,1-Dichloropropene	6.830	75	176703	26.14	ug/L		81
41) tert-Butyl Formate	6.933	59	176111	35.18	ug/L		90
42) Propionitrile	7.092	54	181557	215.72	ug/L		88
43) Methacrylonitrile	7.110	41	1131295	263.51	ug/L		97
44) Benzene	7.086	78	404627	24.02	ug/L		93
45) TAME	7.165	73	309962	22.78	ug/L		90
47) 1,2-Dichloroethane	7.281	62	315547	30.25	ug/L		98
48) Trichloroethene	7.659	95	173522	34.18	ug/L		97
49) Methylcyclohexane	7.665	83	194506	21.59	ug/L		94
50) Dibromomethane	8.086	93	85203	26.33	ug/L		95
51) 1,2-Dichloropropane	8.183	63	132490	22.14	ug/L	#	80
52) Bromodichloromethane	8.232	83	191416	25.95	ug/L		95
53) Methyl methacrylate	8.348	41	153731	26.43	ug/L		88
55) cis-1,3-Dichloropropene	8.860	75	175722	22.14	ug/L		80
58) Toluene	9.098	91	485318	23.73	ug/L		99
59) 2-Nitropropane	9.329	41	234823	120.25	ug/L		94
60) 4-Methyl-2-pentanone	9.451	43	883352	132.58	ug/L		94
61) trans-1,3-Dichloropropene	9.500	75	190836	24.02	ug/L		74
62) Tetrachloroethene	9.500	166	347331	64.65	ug/L		91
63) Ethyl methacrylate	9.622	69	112802	18.24	ug/L	#	81
64) 1,1,2-Trichloroethane	9.671	83	89300	23.92	ug/L		89
65) Dibromochloromethane	9.866	129	137678	23.62	ug/L		99
66) 1,3-Dichloropropane	9.957	76	177358	23.20	ug/L		82
67) 1,2-Dibromoethane	10.128	107	113383	23.70	ug/L		98
68) 2-hexanone	10.292	43	633701	132.75	ug/L		91
69) 1-Chlorohexane	10.597	91	162254	20.39	ug/L		94
70) Ethylbenzene	10.658	91	623444	25.28	ug/L		100
71) Chlorobenzene	10.652	112	343764	27.20	ug/L		96
72) 1,1,1,2-Tetrachloroethane	10.707	131	146600	26.46	ug/L		96
73) m,p-Xylene	10.805	91	984580	53.29	ug/L		99
74) o-Xylene	11.256	91	509768	27.12	ug/L		98
75) Styrene	11.310	104	345622	23.05	ug/L		96
76) Bromoform	11.359	173	81014	22.32	ug/L		97
77) Isopropylbenzene	11.579	105	646411	28.90	ug/L		99
80) cis-1,4-Dichloro-2-butene	11.951	53	30706	22.19	ug/L		87
81) n-Propylbenzene	12.018	91	778078	26.94	ug/L		98
82) Bromobenzene	12.024	156	151981	23.59	ug/L		93
83) 1,1,2,2-Tetrachloroethane	12.085	83	147090	23.22	ug/L		93
84) 1,3,5-Trimethylbenzene	12.219	105	558286	24.31	ug/L		99
85) 2-Chlorotoluene	12.207	91	544884	25.95	ug/L		99
86) trans-1,4-Dichloro-2-B...	12.280	53	39800	21.20	ug/L		88
87) 1,2,3-Trichloropropane	12.249	110	46473	24.73	ug/L		94
88) Cyclohexanone	12.316	55	24921	77.87	ug/L		89
89) 4-Chlorotoluene	12.383	91	514433	26.56	ug/L		100
90) a-Methyl Styrene	12.572	118	8291	0.70	ug/L	#	1
91) tert-Butylbenzene	12.572	91	375158	27.88	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19917.D
Acq On : 1 Nov 2013 7:23 pm
Operator : melissam
Sample : FA9297-8MS
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 04 08:51:53 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

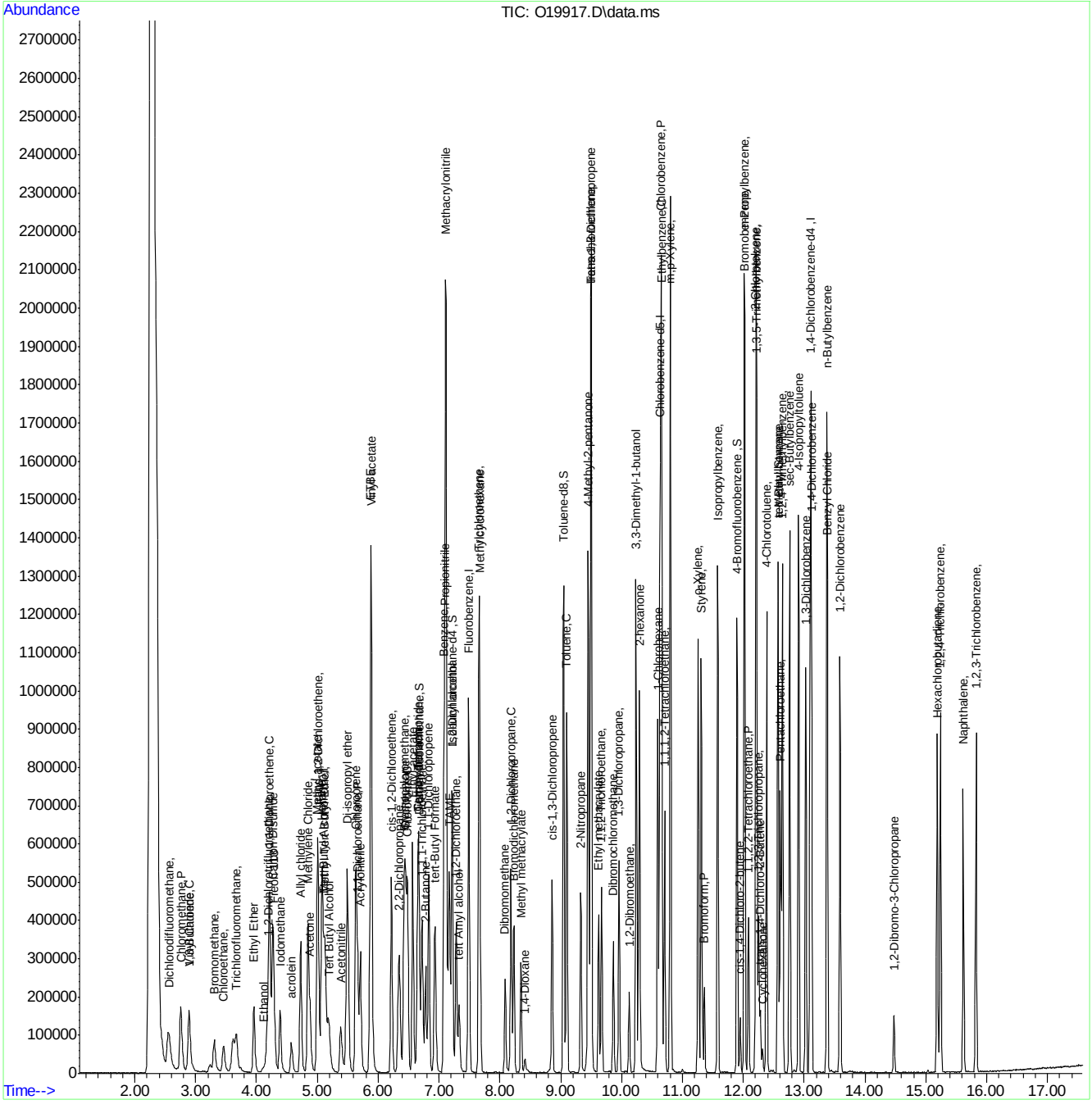
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
92) 1,2,4-Trimethylbenzene	12.646	105	576422	23.98 ug/L	99
93) Pentachloroethane	12.615	167	106204	24.92 ug/L	98
94) sec-Butylbenzene	12.761	105	747745	27.09 ug/L	100
95) 4-Isopropyltoluene	12.908	119	609019	25.80 ug/L	99
96) 1,3-Dichlorobenzene	13.030	146	311288	26.46 ug/L	99
97) 1,4-Dichlorobenzene	13.121	146	312275	24.47 ug/L	98
98) n-Butylbenzene	13.377	92	354317	24.44 ug/L	92
99) Benzyl Chloride	13.383	126	40762	16.39 ug/L #	62
100) 1,2-Dichlorobenzene	13.591	146	298159	25.91 ug/L	98
101) 1,2-Dibromo-3-Chloropr...	14.481	75	30349	24.91 ug/L	92
102) Hexachlorobutadiene	15.194	225	133626	24.66 ug/L	97
103) 1,2,4-Trichlorobenzene	15.243	180	213533	22.82 ug/L	96
104) Naphthalene	15.615	128	425956	21.85 ug/L	98
105) 1,2,3-Trichlorobenzene	15.828	180	197815	23.24 ug/L	96
107) Ethanol	4.123	45	27468	398.71 ug/L	96
108) acrolein	4.574	56	81838	76.88 ug/L	90
109) Tert Butyl Alcohol	5.190	59	202906	329.70 ug/L	93
110) tert Amyl alcohol	7.330	59	94981	203.60 ug/L	96
111) Isobutyl alcohol	7.214	42	75922	434.59 ug/L #	87
112) 1,4-Dioxane	8.415	88	16836	411.19 ug/L	89
113) 3,3-Dimethyl-1-butanol	10.244	57	474039	967.31 ug/L #	87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19917.D
Acq On : 1 Nov 2013 7:23 pm
Operator : melissam
Sample : FA9297-8MS
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 04 08:51:53 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



msoNCOXY103113.m Mon Nov 04 08:56:36 2013 Page: 4

Manual Integration Approval Summary

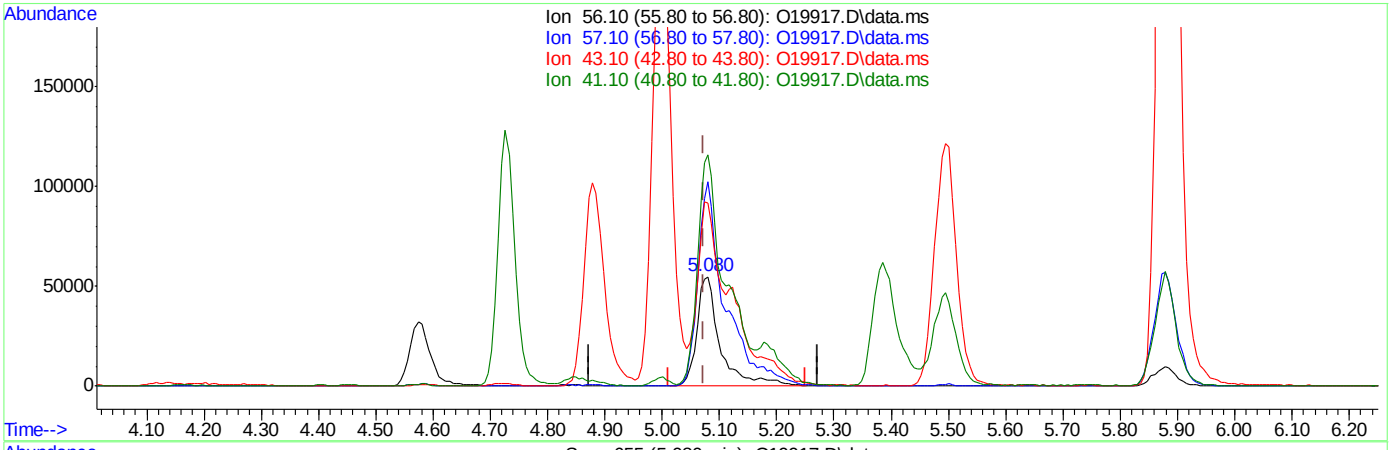
Sample Number:	FA9297-8MS	**Method:**	SW846 8260B
Lab FileID:	O19917.D	**Analyst approved:**	11/04/13 09:32 Melissa Mangual
Injection Time:	11/01/13 19:23	**Supervisor approved:**	11/04/13 11:19 Juan Garcia

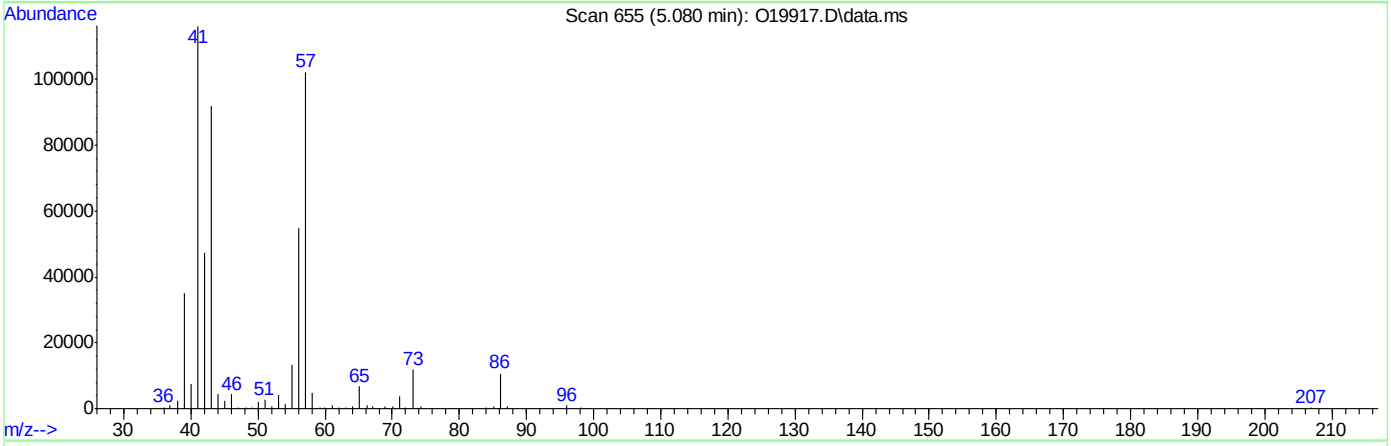
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.08	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\110113\
Data File : O19917.D
Acq On : 1 Nov 2013 7:23 pm
Operator : melissam
Sample : FA9297-8MS
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 02 09:25:21 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19917.D\data.ms

(20) Hexane

5.080min (+0.006) 25.68ug/L

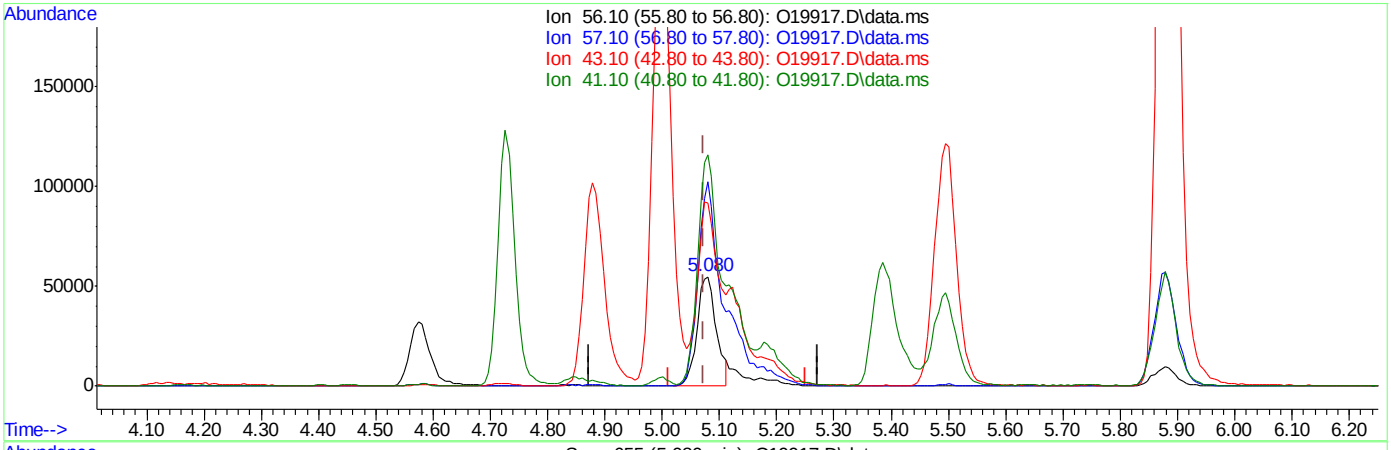
response 157835

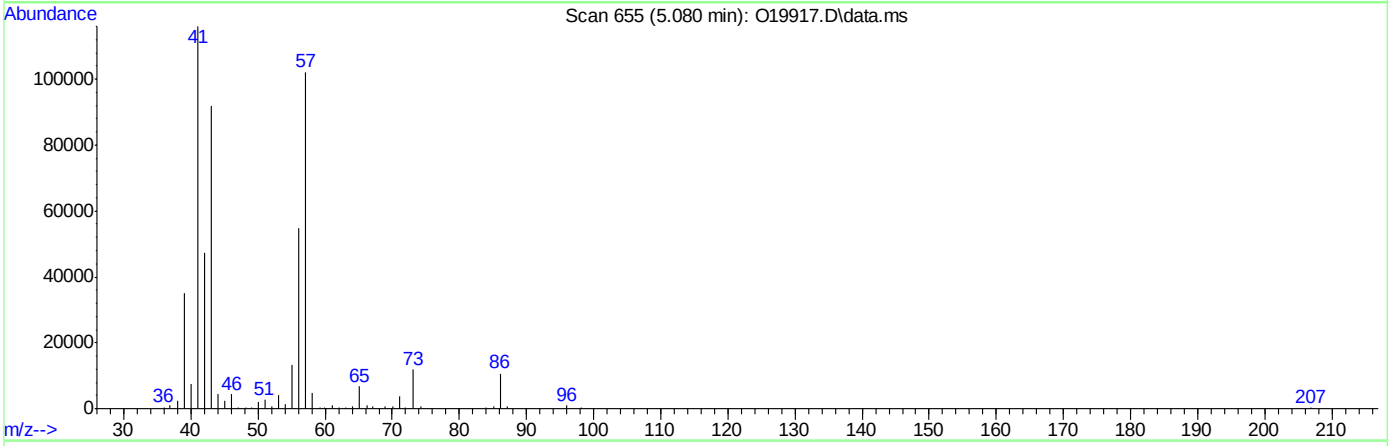
Ion	Exp%	Act%
56.10	100	100
57.10	188.10	185.97
43.10	142.00	163.85#
41.10	160.40	207.30#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\110113\
Data File : O19917.D
Acq On : 1 Nov 2013 7:23 pm
Operator : melissam
Sample : FA9297-8MS
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 02 09:25:21 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19917.D\data.ms

(20) Hexane

5.080min (+0.006) 21.02ug/L m

response 129229

Ion	Exp%	Act%
56.10	100	100
57.10	188.10	185.97
43.10	142.00	166.94#
41.10	160.40	211.16#

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/04/13 11:19

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19918.D
Acq On : 1 Nov 2013 7:44 pm
Operator : melissam
Sample : FA9297-8MSD
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 04 08:52:16 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.482	96	672641	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	519368	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	306173	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	80987	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	216706	50.61	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.22%			
46) 1,2-Dichloroethane-d4	7.214	65	378789	54.49	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 108.98%			
57) Toluene-d8	9.043	98	627045	48.11	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 96.22%			
79) 4-Bromofluorobenzene	11.896	95	320414	50.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.26%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.544	85	224498	41.63	ug/L	98
3) Chloromethane	2.745	50	317204	25.66	ug/L	97
4) 1,3-Butadiene	2.873	54	52263	7.06	ug/L #	84
5) Vinyl Chloride	2.879	62	154103	22.70	ug/L	98
6) Bromomethane	3.294	94	68778	21.55	ug/L	98
7) Chloroethane	3.446	64	64915	19.44	ug/L	78
8) Trichlorofluoromethane	3.653	101	243098	22.84	ug/L	98
9) Ethyl Ether	3.952	59	121653	20.51	ug/L	93
10) 1,2-Dichlorotrifluoroe...	4.184	67	174948	25.40	ug/L	98
11) 1,1-Dichloroethene	4.202	61	317141	28.44	ug/L	95
12) Freon 113	4.269	101	145647	23.46	ug/L	96
13) Carbon Disulfide	4.257	76	275872	14.84	ug/L	83
14) Iodomethane	4.379	142	208285	22.31	ug/L	89
15) Allyl chloride	4.720	41	256457	20.92	ug/L	87
16) Methylene Chloride	4.836	49	343966	26.27	ug/L	98
17) Acetone	4.873	58	54219	107.58	ug/L #	39
18) Methyl acetate	4.988	74	63167	84.07	ug/L #	92
19) trans-1,2-Dichloroethene	5.007	61	260128	23.78	ug/L	99
20) Hexane	5.068	56	132240m	19.85	ug/L	
21) Methyl Tert Butyl Ether	5.110	73	337925	21.90	ug/L	89
22) Acetonitrile	5.379	40	111909	242.85	ug/L	97
23) Di-isopropyl ether	5.488	45	679582	21.80	ug/L	93
24) Chloroprene	5.629	53	361914	24.27	ug/L	94
25) 1,1-Dichloroethane	5.653	63	302437	23.91	ug/L	100
26) Acrylonitrile	5.702	53	265664	103.59	ug/L	98
27) ETBE	5.872	59	536214	21.77	ug/L	98
28) Vinyl acetate	5.878	43	1695748	130.91	ug/L	97
29) cis-1,2-Dichloroethene	6.214	96	172755	31.25	ug/L	93
30) 2,2-Dichloropropane	6.336	77	215020	22.87	ug/L	96
31) Bromochloromethane	6.421	128	62311	21.93	ug/L	98
32) Cyclohexane	6.439	56	297916	21.78	ug/L	92
33) Chloroform	6.476	83	272012	25.08	ug/L	94
34) Ethyl acetate	6.561	43	816084	117.64	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19918.D
Acq On : 1 Nov 2013 7:44 pm
Operator : melissam
Sample : FA9297-8MSD
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 04 08:52:16 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) Tetrahydrofuran	6.647	42	50578	24.62	ug/L		93
37) Carbon Tetrachloride	6.647	117	233780	23.55	ug/L		98
38) 1,1,1-Trichloroethane	6.714	97	286753	28.27	ug/L		97
39) 2-Butanone	6.775	43	401724	131.06	ug/L		96
40) 1,1-Dichloropropene	6.830	75	185072	25.26	ug/L		88
41) tert-Butyl Formate	6.927	59	155414	28.64	ug/L	#	86
42) Propionitrile	7.086	54	201321	220.67	ug/L		96
43) Methacrylonitrile	7.110	41	1214913	261.06	ug/L		97
44) Benzene	7.079	78	418105	22.90	ug/L		94
45) TAME	7.165	73	328635	22.28	ug/L		91
47) 1,2-Dichloroethane	7.281	62	331677	29.33	ug/L		96
48) Trichloroethene	7.653	95	186723	33.93	ug/L		97
49) Methylcyclohexane	7.665	83	196300	20.06	ug/L		97
50) Dibromomethane	8.085	93	92255	26.30	ug/L		94
51) 1,2-Dichloropropane	8.177	63	139552	21.51	ug/L		84
52) Bromodichloromethane	8.226	83	185687	23.22	ug/L		92
53) Methyl methacrylate	8.348	41	170440	27.03	ug/L		88
55) cis-1,3-Dichloropropene	8.854	75	172548	20.05	ug/L		78
58) Toluene	9.097	91	496625	23.24	ug/L		98
59) 2-Nitropropane	9.329	41	249170	122.14	ug/L		95
60) 4-Methyl-2-pentanone	9.451	43	965201	138.67	ug/L		95
61) trans-1,3-Dichloropropene	9.500	75	184926	22.28	ug/L		77
62) Tetrachloroethene	9.494	166	345940	61.63	ug/L		98
63) Ethyl methacrylate	9.622	69	121035	18.74	ug/L		84
64) 1,1,2-Trichloroethane	9.670	83	91361	23.42	ug/L		86
65) Dibromochloromethane	9.866	129	130301	21.40	ug/L		97
66) 1,3-Dichloropropane	9.957	76	182354	22.83	ug/L		84
67) 1,2-Dibromoethane	10.128	107	118602	23.73	ug/L		99
68) 2-hexanone	10.292	43	696923	139.75	ug/L		93
69) 1-Chlorohexane	10.591	91	166964	20.08	ug/L	#	88
70) Ethylbenzene	10.658	91	640800	24.87	ug/L		99
71) Chlorobenzene	10.652	112	349367	26.46	ug/L		96
72) 1,1,1,2-Tetrachloroethane	10.707	131	142660	24.65	ug/L		98
73) m,p-Xylene	10.804	91	1000876	51.85	ug/L		99
74) o-Xylene	11.256	91	521308	26.55	ug/L		98
75) Styrene	11.310	104	338030	21.58	ug/L		97
76) Bromoform	11.359	173	81828	21.58	ug/L		97
77) Isopropylbenzene	11.579	105	655286	28.04	ug/L		97
80) cis-1,4-Dichloro-2-butene	11.950	53	27368	19.43	ug/L		88
81) n-Propylbenzene	12.018	91	785867	26.54	ug/L		98
82) Bromobenzene	12.024	156	156787	23.74	ug/L		95
83) 1,1,2,2-Tetrachloroethane	12.085	83	156484	24.09	ug/L		98
84) 1,3,5-Trimethylbenzene	12.219	105	565476	24.02	ug/L		98
85) 2-Chlorotoluene	12.207	91	560475	26.04	ug/L		99
86) trans-1,4-Dichloro-2-B...	12.280	53	36504	19.06	ug/L		87
87) 1,2,3-Trichloropropane	12.255	110	50395	26.16	ug/L		93
88) Cyclohexanone	12.316	55	29028	88.11	ug/L		88
89) 4-Chlorotoluene	12.383	91	529263	26.65	ug/L		98
90) a-Methyl Styrene	12.566	118	9521	0.78	ug/L	#	1
91) tert-Butylbenzene	12.572	91	385966	27.98	ug/L		97

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19918.D
Acq On : 1 Nov 2013 7:44 pm
Operator : melissam
Sample : FA9297-8MSD
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 04 08:52:16 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

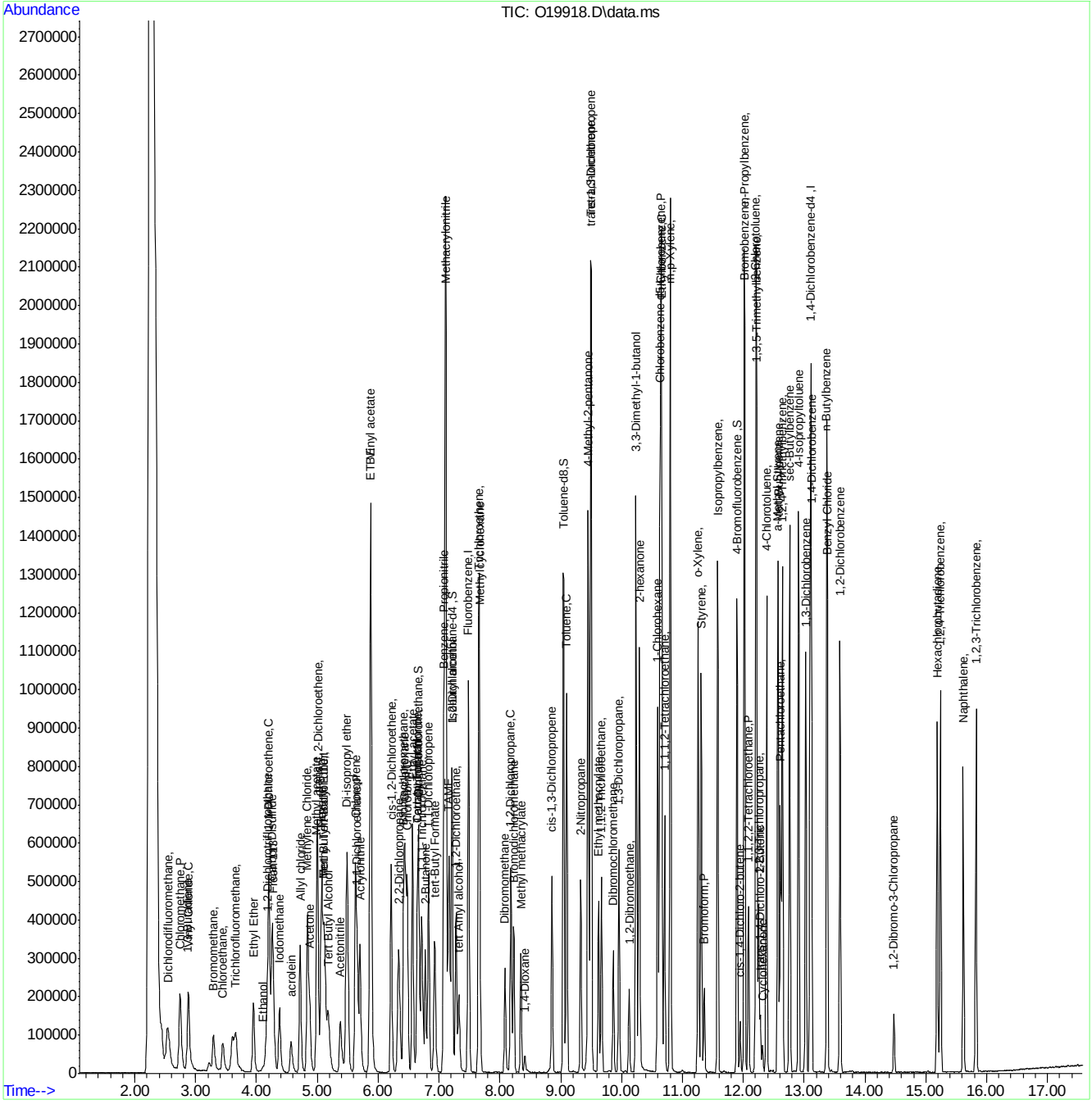
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
92) 1,2,4-Trimethylbenzene	12.645	105	579695	23.52 ug/L	97
93) Pentachloroethane	12.609	167	99947	22.88 ug/L	91
94) sec-Butylbenzene	12.761	105	757312	26.76 ug/L	100
95) 4-Isopropyltoluene	12.908	119	616498	25.48 ug/L	99
96) 1,3-Dichlorobenzene	13.030	146	318846	26.44 ug/L	97
97) 1,4-Dichlorobenzene	13.121	146	320174	24.47 ug/L	97
98) n-Butylbenzene	13.371	92	357202	24.03 ug/L #	77
99) Benzyl Chloride	13.383	126	37770	14.81 ug/L #	39
100) 1,2-Dichlorobenzene	13.590	146	316428	26.82 ug/L	99
101) 1,2-Dibromo-3-Chloropr...	14.474	75	30222	24.19 ug/L	86
102) Hexachlorobutadiene	15.188	225	136716	24.61 ug/L	94
103) 1,2,4-Trichlorobenzene	15.243	180	225007	23.46 ug/L	95
104) Naphthalene	15.614	128	466258	23.33 ug/L	99
105) 1,2,3-Trichlorobenzene	15.828	180	214687	24.60 ug/L	96
107) Ethanol	4.111	45	32109	414.54 ug/L	98
108) acrolein	4.568	56	83551	69.84 ug/L	95
109) Tert Butyl Alcohol	5.177	59	233904	338.16 ug/L	91
110) tert Amyl alcohol	7.329	59	107744	205.49 ug/L	95
111) Isobutyl alcohol	7.214	42	84547	430.61 ug/L	90
112) 1,4-Dioxane	8.415	88	19689	427.86 ug/L	88
113) 3,3-Dimethyl-1-butanol	10.237	57	550329	999.17 ug/L	88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19918.D
Acq On : 1 Nov 2013 7:44 pm
Operator : melissam
Sample : FA9297-8MSD
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 04 08:52:16 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration


Abundance
TIC: O19918.D\data.ms
Time-->
Dichlorodifluoromethane,
Chloromethane,P
Bromomethane,
Chloroethane,
Trichlorofluoromethane,
Ethyl Ether
Ethanol
iodomethane
acrolein
Acetone
Allyl chloride
Methylene Chloride,
Acetonitrile
Di-isopropyl ether
cis-1,2-Dichloroethene,
2,2-Dichloropropane,
Chloroform,
2-Butanone
tert-Butyl Formate
TAME
tert Amyl alcohol
1,2-Dichloroethane,
Methacrylonitrile
Propionitrile
Benzene
Fluorobenzene,
Methylcyclohexane,
Dibromomethane
Bromochloromethane,
Methyl methacrylate
1,4-Dioxane
cis-1,3-Dichloropropene
Toluene-d8,S
Toluene,C
2-Nitropropane
Ethyl methacrylate
Dibromochloromethane,
1,3-Dichloropropane,
1,2-Dibromoethane,
4-Methyl-2-pentanone
3,3-Dimethyl-1-butanol
2-hexanone
1-Chlorohexane
1,1,1,2-Tetrachloroethane,
Chlorobenzene
Styrene,
o-Xylene,
Bromoform,P
Isopropylbenzene,
4-Bromofluorobenzene ,S
Bromobenzene
n-Propylbenzene,
1,3,5-Trimethylbenzene
4-Chlorotoluene,
Pentachloroethane,
1,2,3-Trichlorobenzene,
Naphthalene,
1,2-Dibromo-3-Chloropropane
1,4-Dichlorobenzene-d4 ,I
1,3-Dichlorobenzene
1,2-Dichlorobenzene
n-Butylbenzene
Benzyl Chloride
1,4-Dichlorobenzene
4-Isopropyltoluene
sec-Butylbenzene
2,2,4-Trimethylpentane
2-Butanone
2-Chloroethyl vinyl ether
2-Chloroethanol
2-Chloroethyl acetate
2-Chloroethanol
2-Chloroethyl acetate
2-Chloroethanol
2-Chloroethyl acetate

Manual Integration Approval Summary

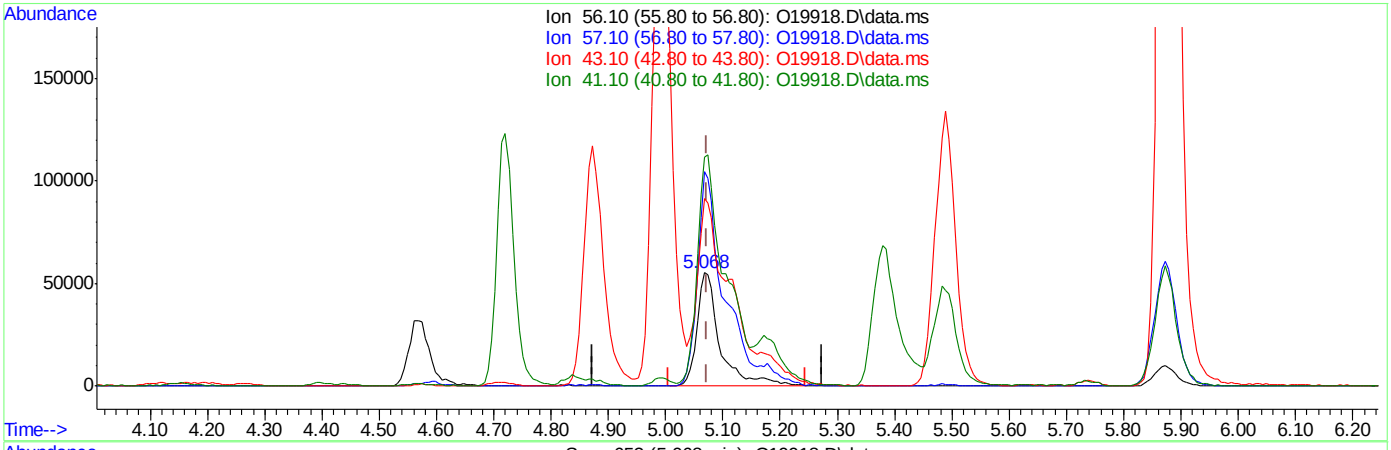
Sample Number:	FA9297-8MSD	**Method:**	SW846 8260B
Lab FileID:	O19918.D	**Analyst approved:**	11/04/13 09:32 Melissa Mangual
Injection Time:	11/01/13 19:44	**Supervisor approved:**	11/04/13 11:19 Juan Garcia

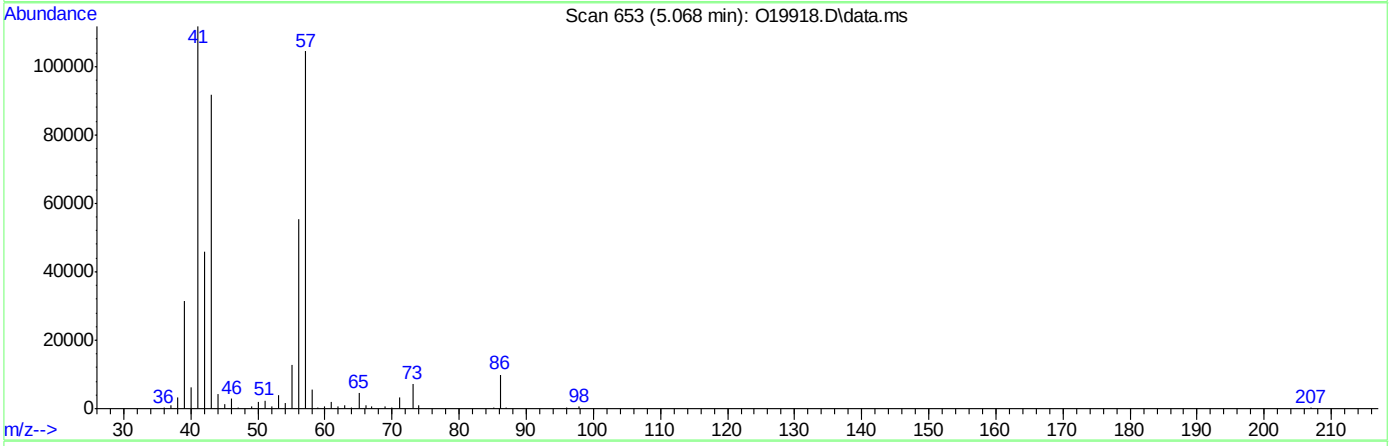
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\110113\
Data File : O19918.D
Acq On : 1 Nov 2013 7:44 pm
Operator : melissam
Sample : FA9297-8MSD
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 02 09:25:23 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19918.D\data.ms

(20) Hexane

5.068min (-0.006) 23.66ug/L

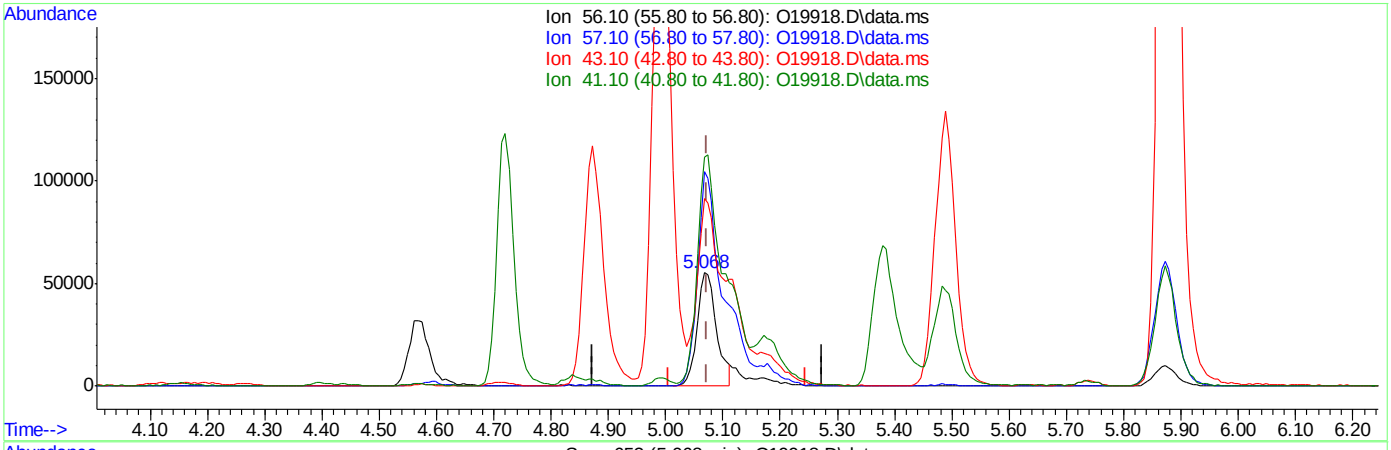
response 157662

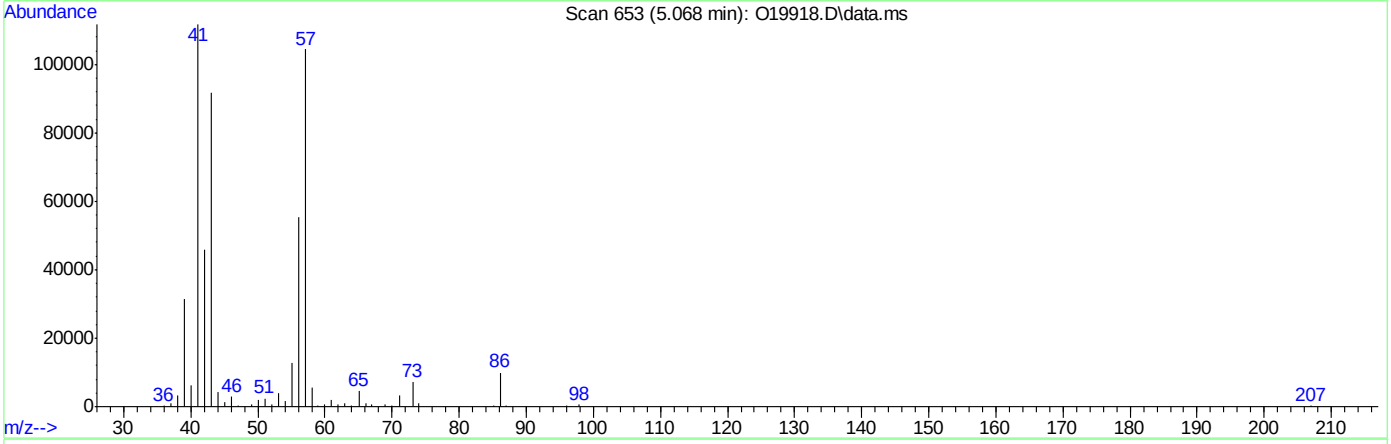
Ion	Exp%	Act%
56.10	100	100
57.10	188.10	188.92
43.10	142.00	161.37
41.10	160.40	197.48#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\110113\
Data File : O19918.D
Acq On : 1 Nov 2013 7:44 pm
Operator : melissam
Sample : FA9297-8MSD
Misc : MS25570,VO792,,,,,
ALS Vial : 24 Sample Multiplier: 1

Quant Time: Nov 02 09:25:23 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19918.D\data.ms

(20) Hexane

5.068min (-0.006) 19.85ug/L m

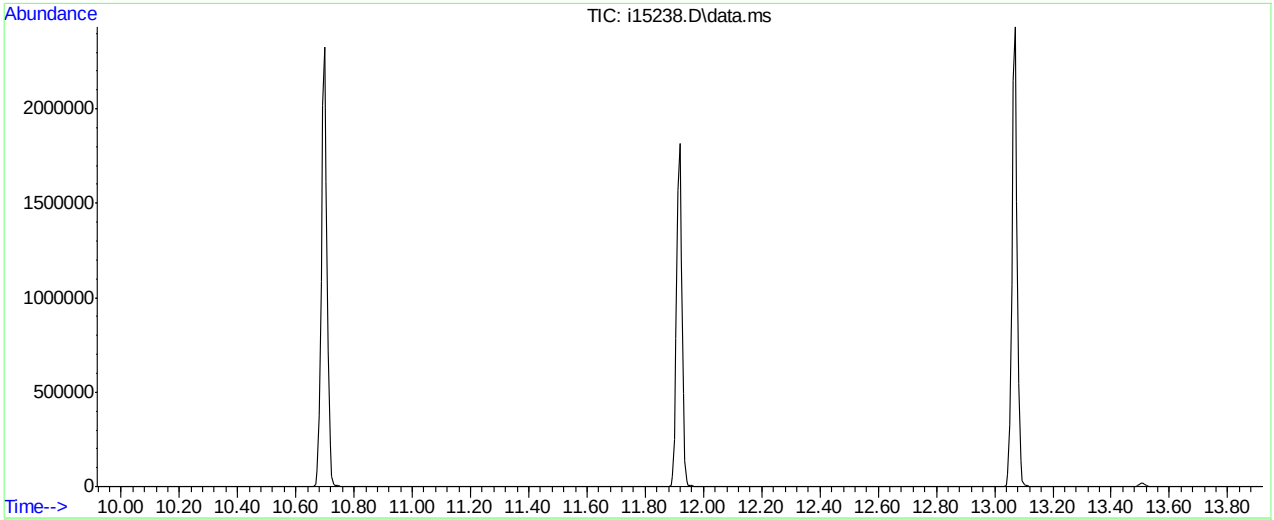
response 132240

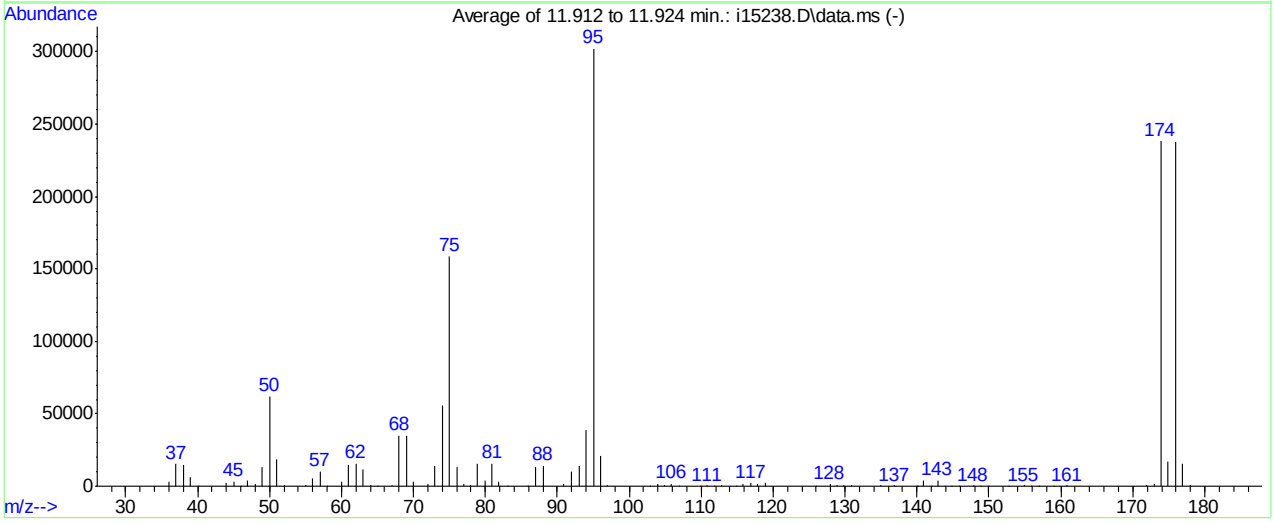
Ion	Exp%	Act%
56.10	100	100
57.10	188.10	188.92
43.10	142.00	166.06#
41.10	160.40	202.13#

Methods: SW-846 8260B

Data File : C:\msdchem\2\DATA\103013\i15238.D Vial: 8
Acq On : 30 Oct 2013 1:41 pm Operator: WILFREDO
Sample : bfb Inst : MSVOA16
Misc : ms25522,vi195,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\2\METHODS\8260iapp.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B





AutoFind: Scans 1546, 1547, 1548; Background Corrected with Scan 1539

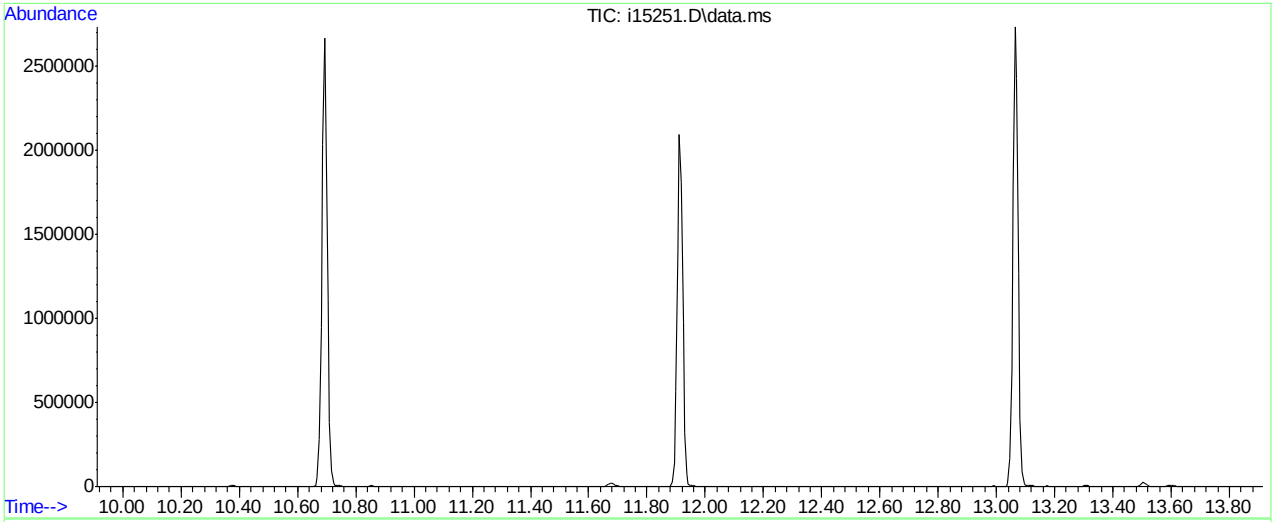
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	62256	PASS
75	95	30	60	52.6	159019	PASS
95	95	100	100	100.0	302229	PASS
96	95	5	9	6.9	20710	PASS
173	174	0.00	2	0.7	1557	PASS
174	95	50	100	78.9	238336	PASS
175	174	5	9	7.1	17003	PASS
176	174	95	101	99.6	237333	PASS
177	176	5	9	6.4	15161	PASS

i15238.D 8260iapp.M Thu Oct 31 11:22:44 2013

Methods: SW-846 8260B

Data File : C:\msdchem\2\DATA\103113\i15251.D Vial: 4
Acq On : 31 Oct 2013 9:14 am Operator: WILFREDO
Sample : bfb Inst : MSVOA16
Misc : ms25522,vi196,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\2\METHODS\8260iapp.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B



AutoFind: Scans 1545, 1546, 1547; Background Corrected with Scan 1538

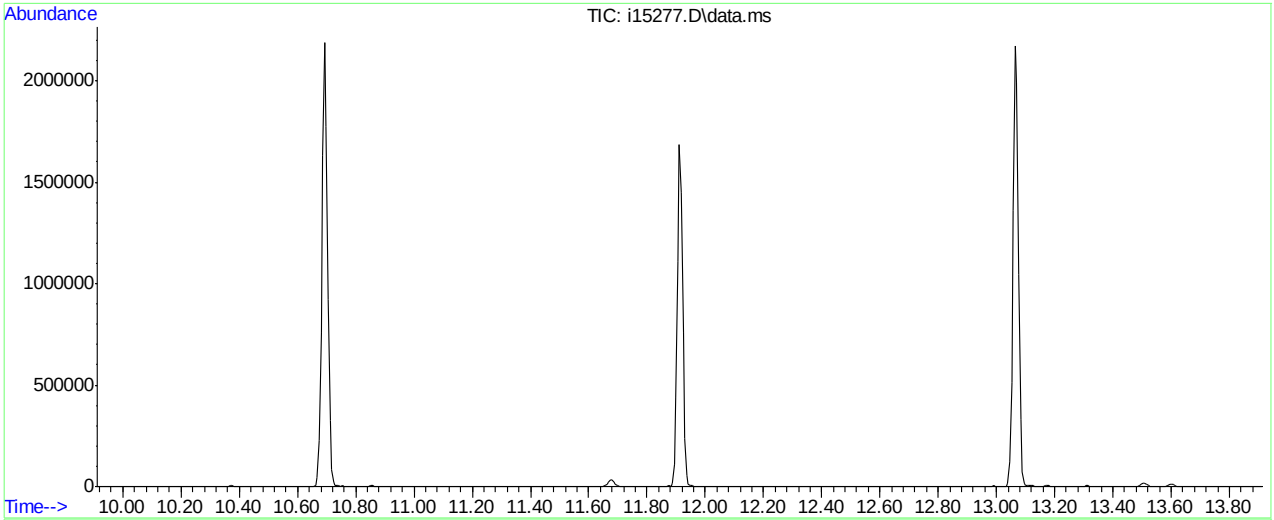
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.2	72595	PASS
75	95	30	60	51.6	185301	PASS
95	95	100	100	100.0	358933	PASS
96	95	5	9	7.0	25152	PASS
173	174	0.00	2	0.6	1653	PASS
174	95	50	100	74.6	267883	PASS
175	174	5	9	7.4	19868	PASS
176	174	95	101	99.1	265536	PASS
177	176	5	9	6.7	17863	PASS

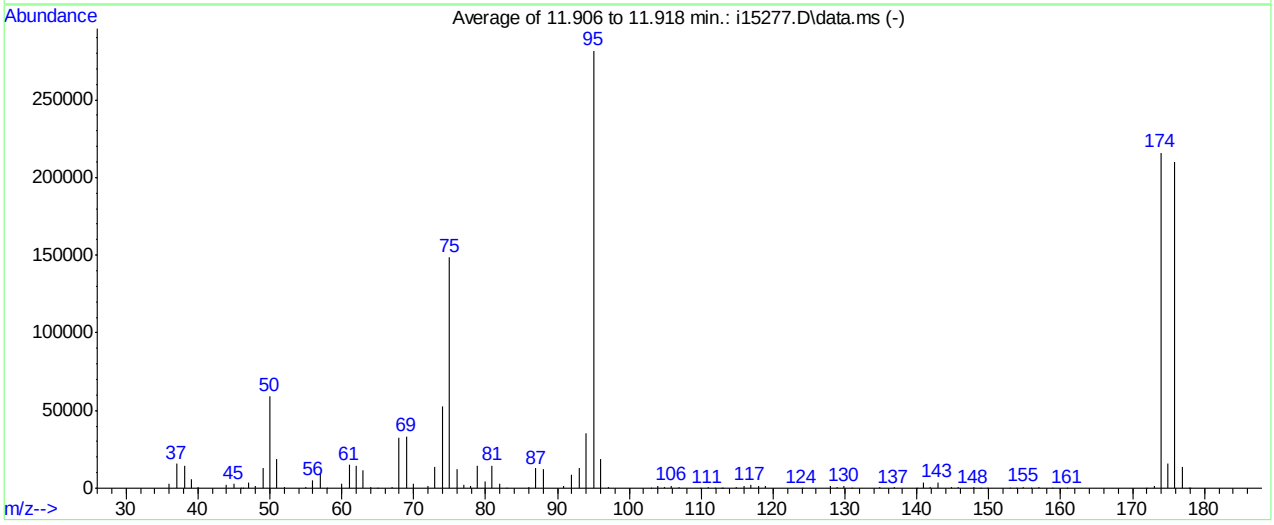
i15251.D 8260iapp.M Thu Oct 31 09:32:03 2013

Methods: SW-846 8260B

Data File : C:\msdchem\2\DATA\110113\i15277.D Vial: 1
Acq On : 1 Nov 2013 7:39 am Operator: WILFREDO
Sample : bfb Inst : MSVOA16
Misc : ms25560,vi197,,,,, Multiplr: 1.00
MS Integration Params: med.p

Method : C:\msdchem\2\METHODS\8260iapp.M (RTE Integrator)
Title : SW-846 Method 5035A/8260B





AutoFind: Scans 1545, 1546, 1547; Background Corrected with Scan 1539

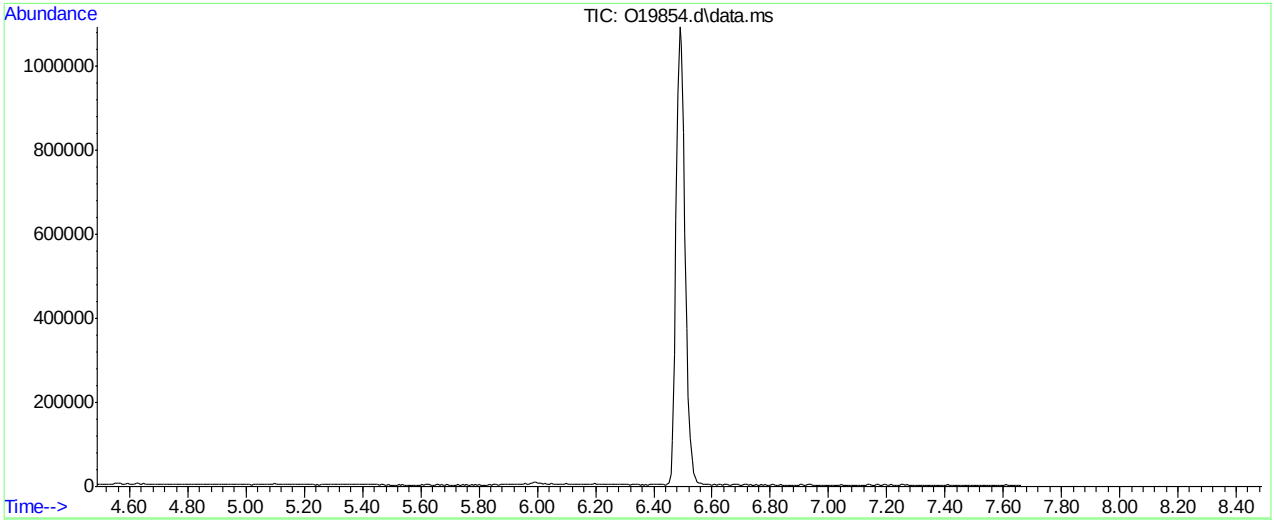
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	59253	PASS
75	95	30	60	52.8	148867	PASS
95	95	100	100	100.0	281707	PASS
96	95	5	9	6.7	18854	PASS
173	174	0.00	2	0.7	1437	PASS
174	95	50	100	76.6	215872	PASS
175	174	5	9	7.2	15547	PASS
176	174	95	101	97.2	209792	PASS
177	176	5	9	6.6	13750	PASS

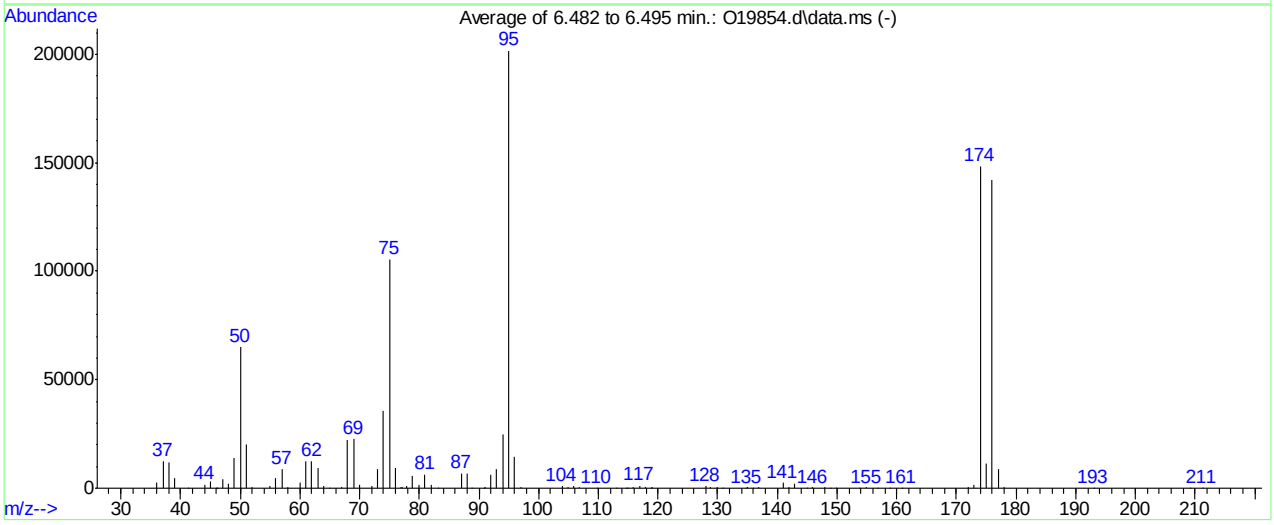
i15277.D 8260iapp.M Fri Nov 01 09:15:33 2013

Methods: SW-846 8260B

Data File : C:\MSDCHEM\1\DATA\103113\O19854.d Vial: 100
Acq On : 31 Oct 2013 8:25 am Operator: melissam
Sample : bfb Inst : MSVOA12
Misc : MS25527,VO791,,,,, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\BFB.M (RTE Integrator)
Title :





AutoFind: Scans 557, 558, 559; Background Corrected with Scan 549

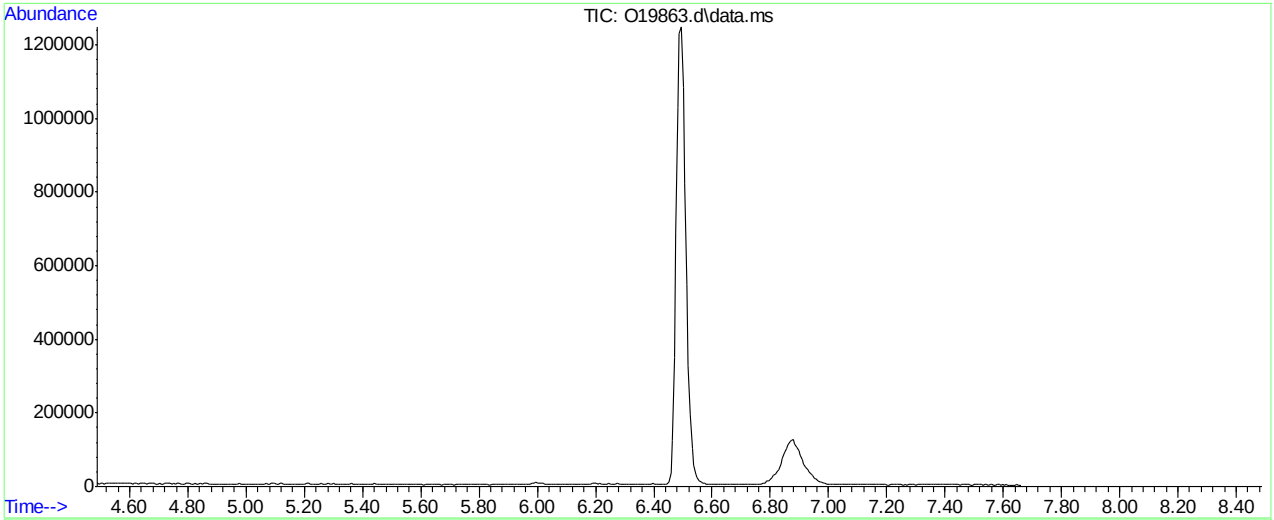
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	32.2	64867	PASS
75	95	30	60	52.3	105533	PASS
95	95	100	100	100.0	201749	PASS
96	95	5	9	7.2	14529	PASS
173	174	0.00	2	0.9	1343	PASS
174	95	50	100	73.6	148507	PASS
175	174	5	9	7.6	11257	PASS
176	174	95	101	95.9	142349	PASS
177	176	5	9	6.3	9008	PASS

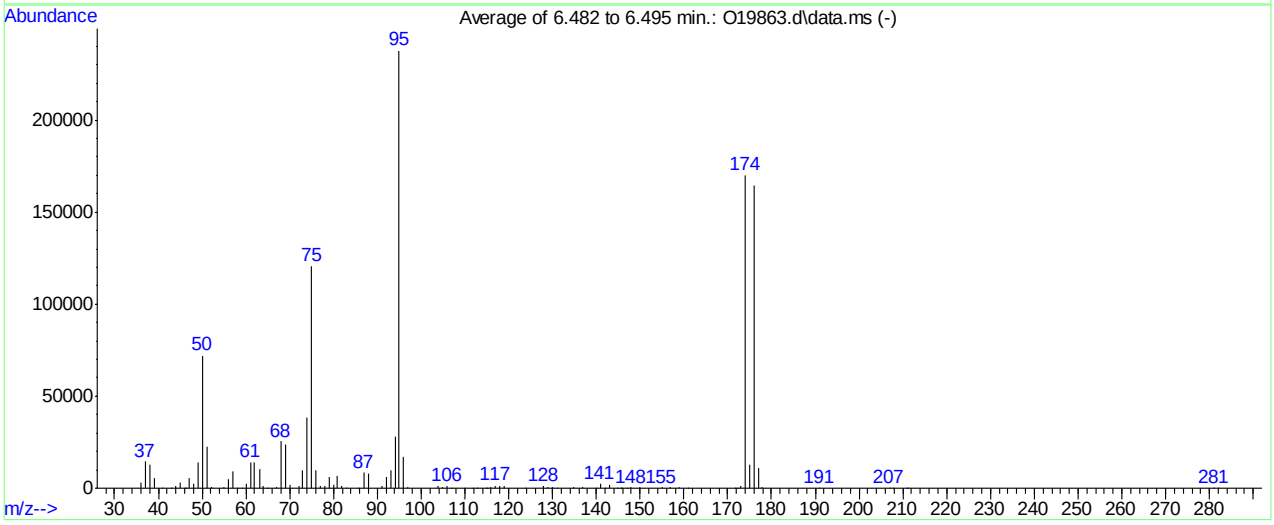
O19854.d BFB.M Thu Oct 31 08:32:45 2013

Methods: SW-846 8260B

Data File : C:\MSDCHEM\1\DATA\103113\O19863.d Vial: 100
Acq On : 31 Oct 2013 12:57 pm Operator: melissam
Sample : BFB Inst : MSVOA12
Misc : MS25527,VO791,,,, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\BFB.M (RTE Integrator)
Title :





AutoFind: Scans 557, 558, 559; Background Corrected with Scan 549

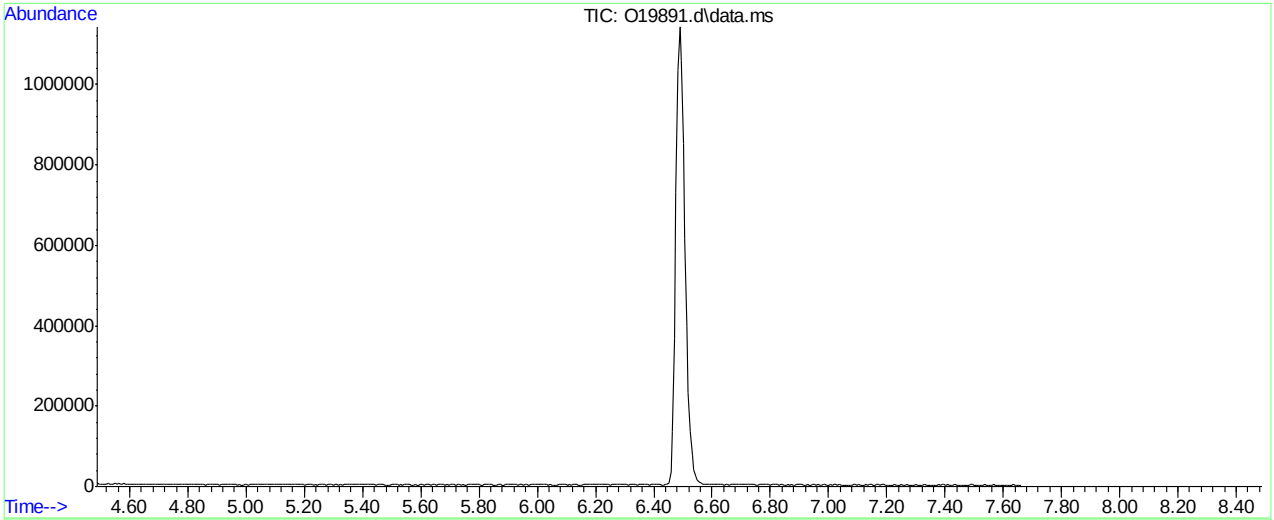
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	30.3	72040	PASS
75	95	30	60	50.8	120747	PASS
95	95	100	100	100.0	237739	PASS
96	95	5	9	7.1	16967	PASS
173	174	0.00	2	0.8	1376	PASS
174	95	50	100	71.5	169899	PASS
175	174	5	9	7.5	12693	PASS
176	174	95	101	96.7	164331	PASS
177	176	5	9	6.7	11065	PASS

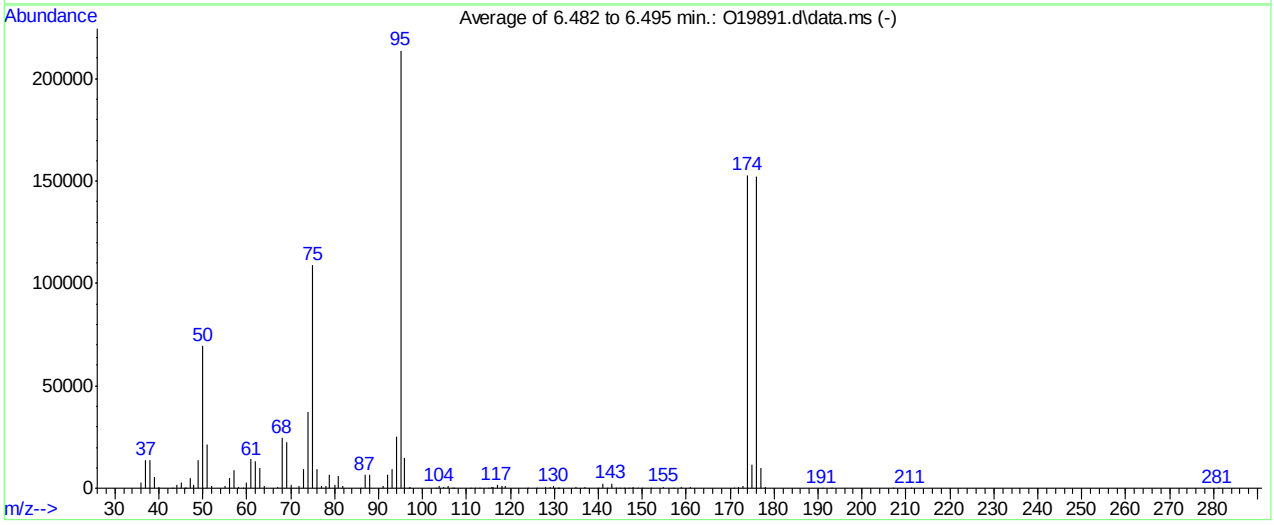
O19863.d BFB.M Thu Oct 31 13:04:47 2013

Methods: SW-846 8260B

Data File : C:\MSDCHEM\1\DATA\110113\O19891.d Vial: 100
Acq On : 1 Nov 2013 7:34 am Operator: melissam
Sample : BFB Inst : MSVOA12
Misc : MS25564,VO792,,,,, Multiplr: 1.00
MS Integration Params: RTEINT.P

Method : C:\MSDCHEM\1\METHODS\BFB.M (RTE Integrator)
Title :





AutoFind: Scans 557, 558, 559; Background Corrected with Scan 549

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	32.5	69461	PASS
75	95	30	60	51.0	109013	PASS
95	95	100	100	100.0	213803	PASS
96	95	5	9	7.0	14975	PASS
173	174	0.00	2	0.8	1272	PASS
174	95	50	100	71.6	153003	PASS
175	174	5	9	7.6	11554	PASS
176	174	95	101	99.4	152085	PASS
177	176	5	9	6.5	9923	PASS

O19891.d BFB.M Fri Nov 01 07:42:40 2013

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 09:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:54:18 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1327920	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1008993	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	472296	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.200	65	93703	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	351035	45.18	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 90.36%			
44) 1,2-Dichloroethane-d4	7.327	65	423144	50.51	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 101.02%			
55) Toluene-d8	9.144	98	1334983	51.52	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 103.04%			
77) 4-Bromofluorobenzene	11.918	174	361733	47.10	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 94.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	6470	1.21	ug/L #	56
3) Chloromethane	2.883	50	11715	1.39	ug/L	96
4) Vinyl Chloride	3.005	62	12905	1.32	ug/L	70
5) Bromomethane	3.420	94	10995	1.40	ug/L	92
6) Chloroethane	3.572	64	8885	1.53	ug/L #	100
7) Trichlorofluoromethane	3.718	101	20210m	1.34	ug/L	
8) Ethyl Ether	4.035	59	7696	1.12	ug/L	86
9) 1,2-Dichlorotrifluoroe...	4.267	67	14146	1.30	ug/L	85
10) 1,1-Dichloroethene	4.297	61	14636	1.18	ug/L	70
11) Freon 113	4.352	101	11310	1.09	ug/L #	49
12) Carbon Disulfide	4.358	76	34922	1.10	ug/L	99
13) Iodomethane	4.480	142	19672	0.98	ug/L	73
14) Allyl chloride	4.803	41	15767	1.39	ug/L	85
15) Methylene Chloride	4.931	49	22494	2.36	ug/L	92
16) Acetone	4.974	43	16349m	12.39	ug/L	
17) Methyl acetate	5.078	43	28018m	5.87	ug/L	
18) trans-1,2-Dichloroethene	5.090	61	10873	1.02	ug/L	92
19) Hexane	5.133	56	5376	1.02	ug/L #	74
20) Methyl Tert Butyl Ether	5.206	73	18340	0.94	ug/L	78
21) Acetonitrile	5.498	41	7434	14.74	ug/L	76
22) Di-isopropyl ether	5.566	45	24609	1.11	ug/L	84
23) Chloroprene	5.712	53	9714	1.00	ug/L #	80
24) 1,1-Dichloroethane	5.748	63	13922	1.05	ug/L	74
25) Acrylonitrile	5.815	53	8074	4.00	ug/L	73
26) ETBE	5.956	59	20224	0.91	ug/L	89
27) Vinyl acetate	5.974	43	40867	3.78	ug/L	86
28) cis-1,2-Dichloroethene	6.321	96	7614	0.93	ug/L	94
29) 2,2-Dichloropropane	6.443	77	10410	0.95	ug/L	83
30) Bromochloromethane	6.529	128	3675	0.85	ug/L #	38
31) Cyclohexane	6.541	56	10515	0.95	ug/L #	51
32) Chloroform	6.584	83	15017	1.03	ug/L	74
33) Ethyl acetate	6.669	43	22599m	4.42	ug/L	
34) Tetrahydrofuran	6.767	42	2068	1.66	ug/L #	60

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:54:18 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) Carbon Tetrachloride	6.748	117	9268	0.86 ug/L	86
37) 1,1,1-Trichloroethane	6.821	97	11800	0.97 ug/L	85
38) 2-Butanone	6.895	43	14932m	6.87 ug/L	
39) 1,1-Dichloropropene	6.925	75	9495	0.94 ug/L	71
40) Propionitrile	7.212	54	7632	10.69 ug/L #	63
41) Methacrylonitrile	7.236	41	37337	10.15 ug/L	86
42) Benzene	7.187	78	28436	0.97 ug/L	75
43) TAME	7.266	73	18546	0.86 ug/L	96
45) 1,2-Dichloroethane	7.401	62	10987	1.08 ug/L	88
46) Trichloroethene	7.760	95	7613	0.92 ug/L #	61
47) Methylcyclohexane	7.760	83	10982	0.85 ug/L #	79
48) Dibromomethane	8.199	93	4631	0.94 ug/L	94
49) 1,2-Dichloropropane	8.297	63	7903	1.08 ug/L	77
50) Bromodichloromethane	8.333	83	9129	0.91 ug/L #	94
51) Methyl methacrylate	8.449	41	3974	0.84 ug/L #	69
52) 2-Chloroethyl vinyl ether	8.876	63	16674	3.64 ug/L #	41
53) cis-1,3-Dichloropropene	8.961	75	10086	0.83 ug/L	81
56) Toluene	9.193	91	31956	1.00 ug/L	94
57) 2-Nitropropane	9.437	41	5131	4.44 ug/L #	73
58) 4-Methyl-2-pentanone	9.553	43	24563	4.87 ug/L	85
59) trans-1,3-Dichloropropene	9.595	75	7836	0.78 ug/L	93
60) Tetrachloroethene	9.583	166	7440	0.85 ug/L	89
61) Ethyl methacrylate	9.705	69	5881	0.78 ug/L #	83
62) 1,1,2-Trichloroethane	9.766	83	5506	1.03 ug/L	94
63) Dibromochloromethane	9.949	129	5685	0.79 ug/L	85
64) 1,3-Dichloropropane	10.046	76	11191	1.08 ug/L	77
65) 1,2-Dibromoethane	10.211	107	6020	0.95 ug/L	94
66) 2-hexanone	10.376	43	17816	5.56 ug/L	90
67) 1-Chlorohexane	10.656	91	8139	0.77 ug/L #	55
68) Ethylbenzene	10.717	91	38095	1.01 ug/L	86
69) Chlorobenzene	10.717	112	20592	0.97 ug/L	90
70) 1,1,1,2-Tetrachloroethane	10.766	131	6316	0.86 ug/L	81
71) m,p-Xylene	10.857	91	45978	1.69 ug/L	91
72) o-Xylene	11.296	91	21198	0.83 ug/L	95
73) Styrene	11.351	104	14941	0.69 ug/L	88
74) Bromoform	11.406	173	2932	0.68 ug/L	82
75) Isopropylbenzene	11.607	105	23249	0.75 ug/L	81
79) n-Propylbenzene	12.028	91	32392	0.93 ug/L	86
80) Bromobenzene	12.040	156	8050	0.92 ug/L	73
81) 1,1,2,2-Tetrachloroethane	12.101	83	7866	1.13 ug/L	55
82) 1,3,5-Trimethylbenzene	12.217	105	21996	0.78 ug/L	91
83) 2-Chlorotoluene	12.211	91	23310	0.93 ug/L	93
84) trans-1,4-Dichloro-2-B...	12.284	53	479m	0.29 ug/L	
85) 1,2,3-Trichloropropane	12.265	110	2011	1.03 ug/L #	61
86) Cyclohexanone	12.339	55	666m	4.75 ug/L	
87) 4-Chlorotoluene	12.381	91	19234	0.90 ug/L	82
88) tert-Butylbenzene	12.552	91	11541	0.80 ug/L	93
89) 1,2,4-Trimethylbenzene	12.625	105	22266	0.81 ug/L	97
90) Pentachloroethane	12.601	167	3414	0.85 ug/L #	50
91) sec-Butylbenzene	12.735	105	25729	0.82 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:54:18 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
92) 4-Isopropyltoluene	12.875	119	20138	0.75	ug/L		89
93) 1,3-Dichlorobenzene	12.997	146	13057	0.89	ug/L		81
94) 1,4-Dichlorobenzene	13.082	146	16385	0.97	ug/L	#	67
95) n-Butylbenzene	13.314	92	13470	0.82	ug/L		98
96) Benzyl Chloride	13.326	126	1483m	0.58	ug/L		
97) 1,2-Dichlorobenzene	13.521	146	13205	0.95	ug/L		89
98) 1,2-Dibromo-3-Chloropr...	14.271	75	980m	1.04	ug/L		
99) Hexachlorobutadiene	14.820	225	4308	0.84	ug/L		76
100) 1,2,4-Trichlorobenzene	14.869	180	8361	0.84	ug/L		80
101) Naphthalene	15.161	128	15139	0.85	ug/L		98
102) 1,2,3-Trichlorobenzene	15.326	180	7650	0.94	ug/L		82
104) Ethanol	4.200	45	3260m	47.92	ug/L		
105) Acrolein	4.663	56	8779	8.39	ug/L		94
106) Tert Butyl Alcohol	5.279	59	4205	9.21	ug/L	#	100
107) Isobutyl alcohol	7.321	42	2691	24.00	ug/L	#	25
108) Tert Amyl Alcohol	7.443	59	3174	8.48	ug/L		48
109) 1,4-Dioxane	8.528	88	707m	15.50	ug/L		

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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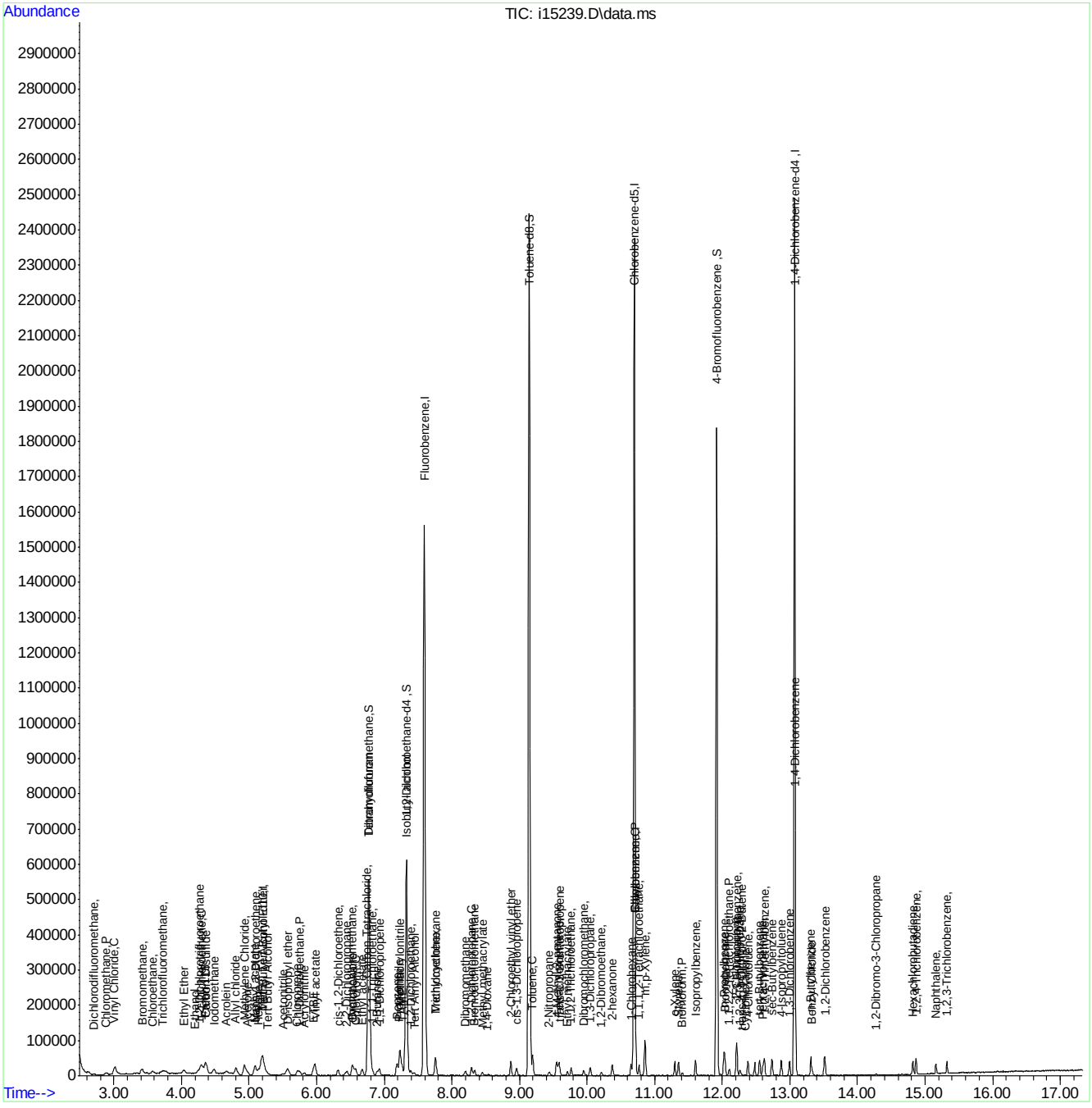

Manual Integration Approval Summary

Sample Number: VI195-IC195
Lab FileID: I15239.D
Injection Time: 10/30/13 14:06
Method: SW846 8260B
Analyst approved: 10/31/13 16:18 Wilfredo Vazquez
Supervisor approved: 11/01/13 09:56 Juan Garcia

Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.72	Split peak
Ethyl Alcohol	64-17-5		4.20	Missed peak
Acetone	67-64-1		4.97	Missed peak
Methyl Acetate	79-20-9		5.08	Missed peak
Ethyl Acetate	141-78-6		6.67	Missed peak
Methyl ethyl ketone	78-93-3		6.89	Missed peak
1,4-Dioxane	123-91-1		8.53	Missed peak
Trans-1,4-Dichloro-2-Butene	110-57-6		12.28	Missed peak
Cyclohexanone	108-94-1		12.34	Missed peak
Benzyl Chloride	100-44-7		13.33	Missed peak
1,2-Dibromo-3-chloropropane	96-12-8		14.27	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
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Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
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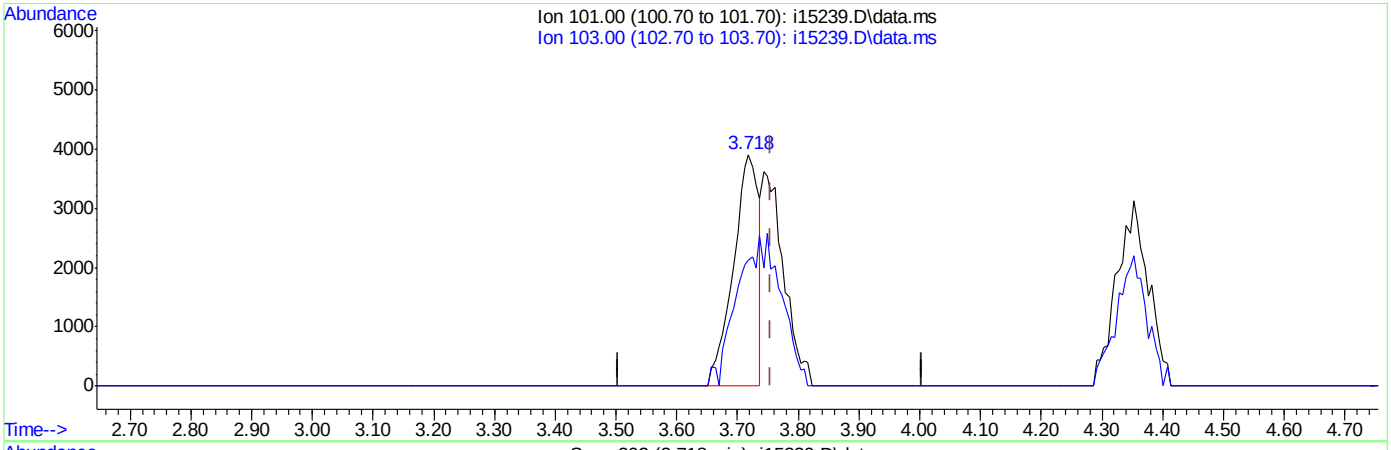
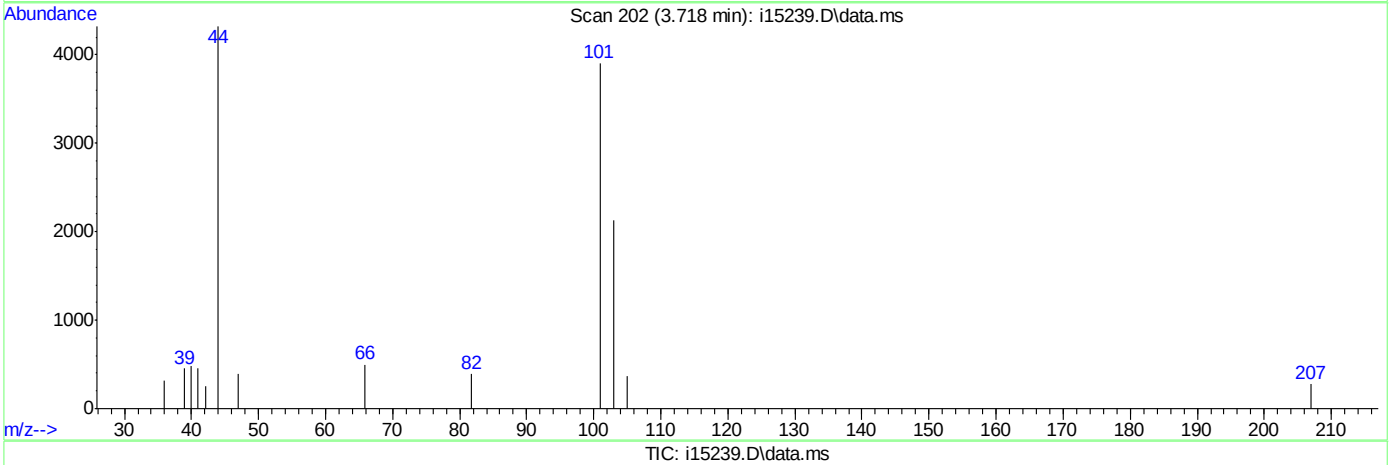
Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(7) Trichlorofluoromethane ( )

3.718min (-0.037) 0.75ug/L

response 11333

Ion	Exp%	Act%
101.00	100	100
103.00	43.30	54.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
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Acq On : 30 Oct 2013 2:06 pm
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Quant Title : SW-846 Method 5035A/8260B
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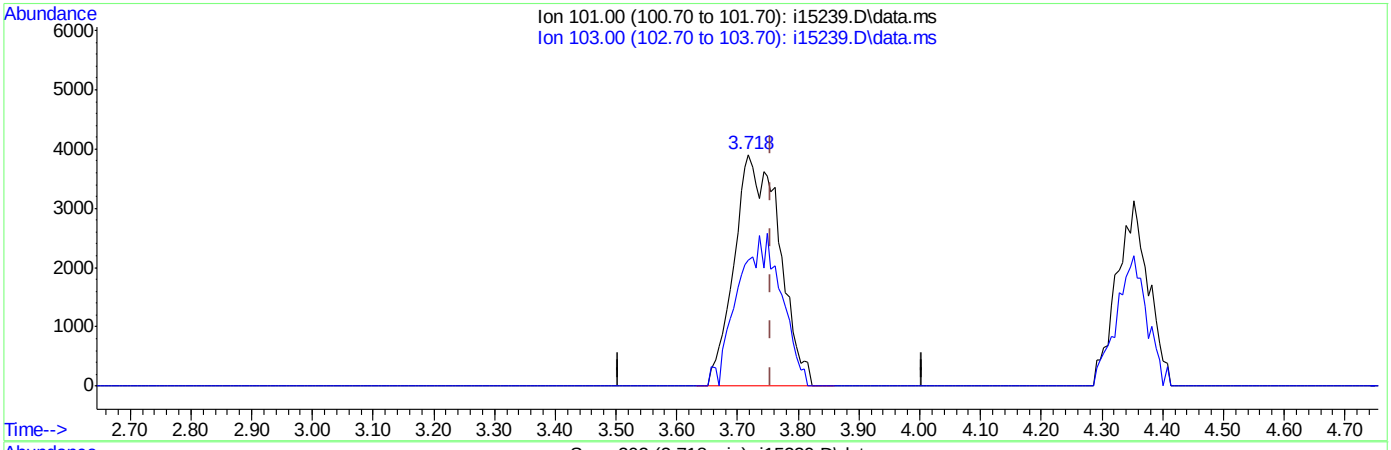

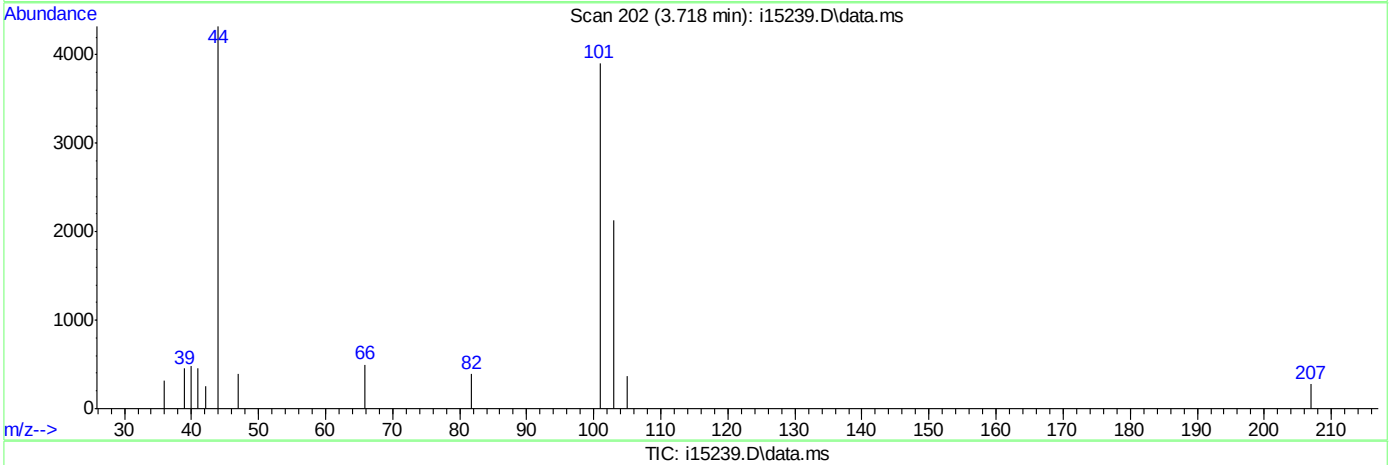

TIC: i15239.D\data.ms

(7) Trichlorofluoromethane ( )

3.718min (-0.037) 1.34ug/L m

response 20210

Ion	Exp%	Act%
101.00	100	100
103.00	43.30	54.49
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
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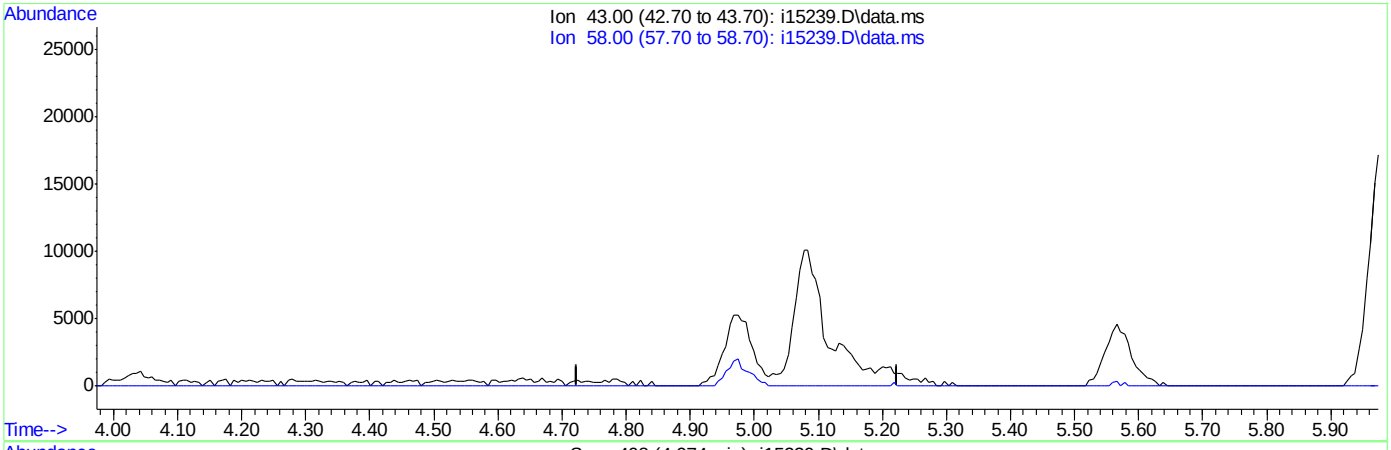

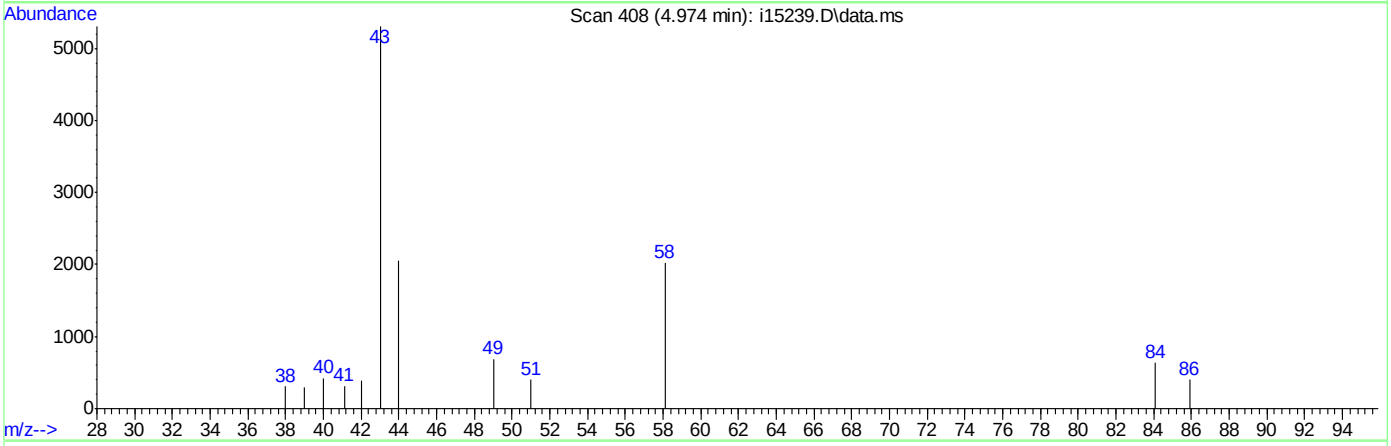

TIC: i15239.D\data.ms

(16) Acetone

4.974min (-4.974) 0.00ug/L

response 0

Ion	Exp%	Act%
43.00	100	0.00
58.00	22.20	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
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Sample : ic195-1
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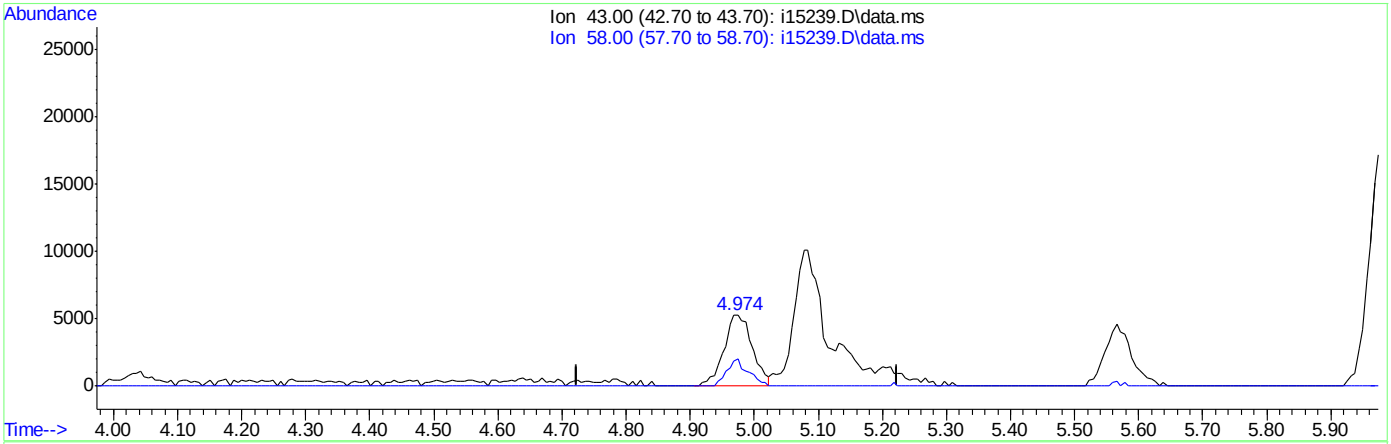

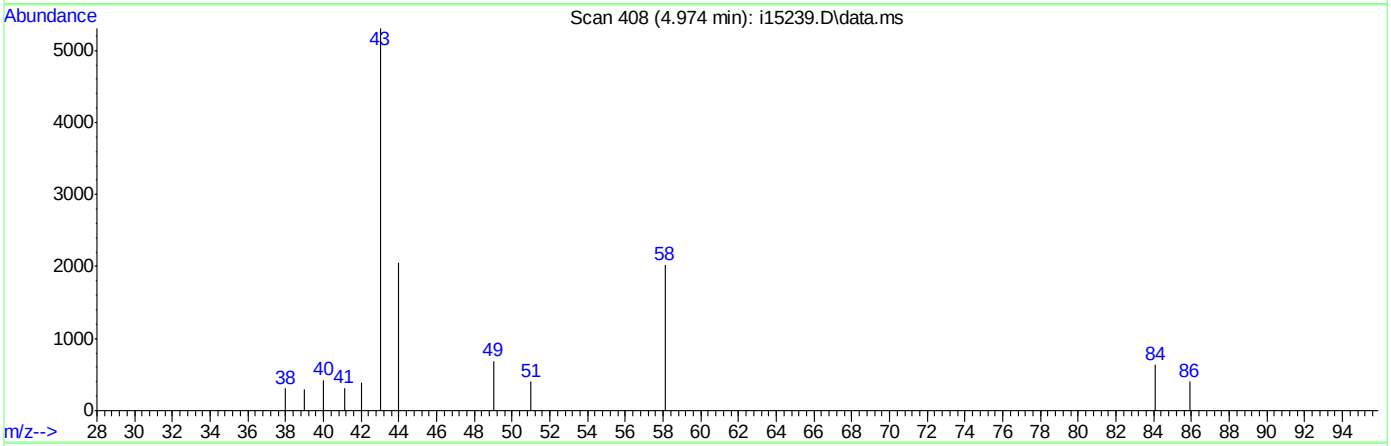

TIC: i15239.D\data.ms

(16) Acetone

4.974min (+0.000) 12.39ug/L m

response 16349

Ion	Exp%	Act%
43.00	100	100
58.00	22.20	38.01
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
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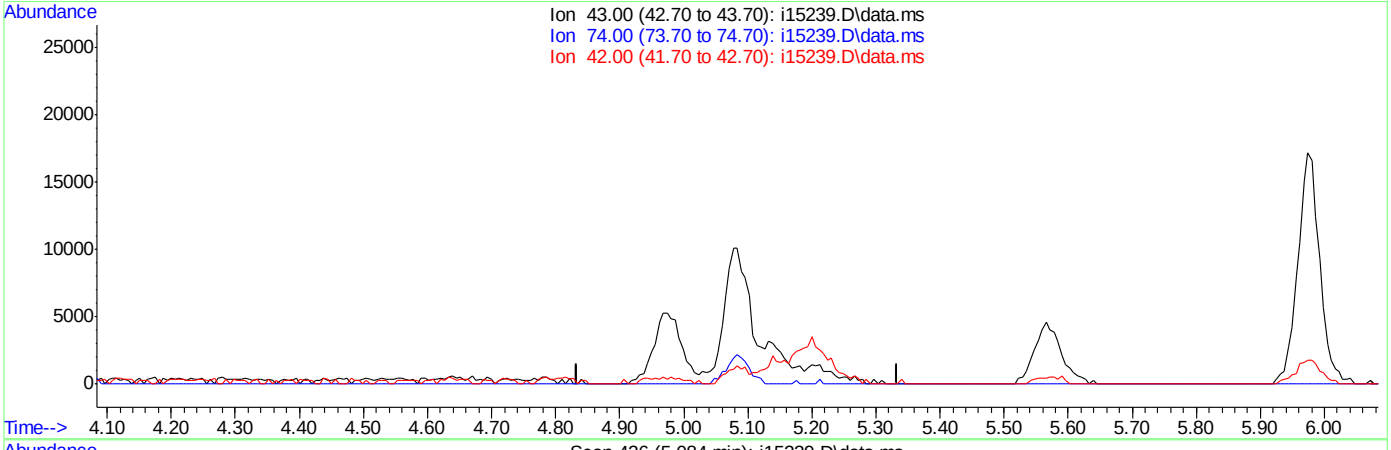

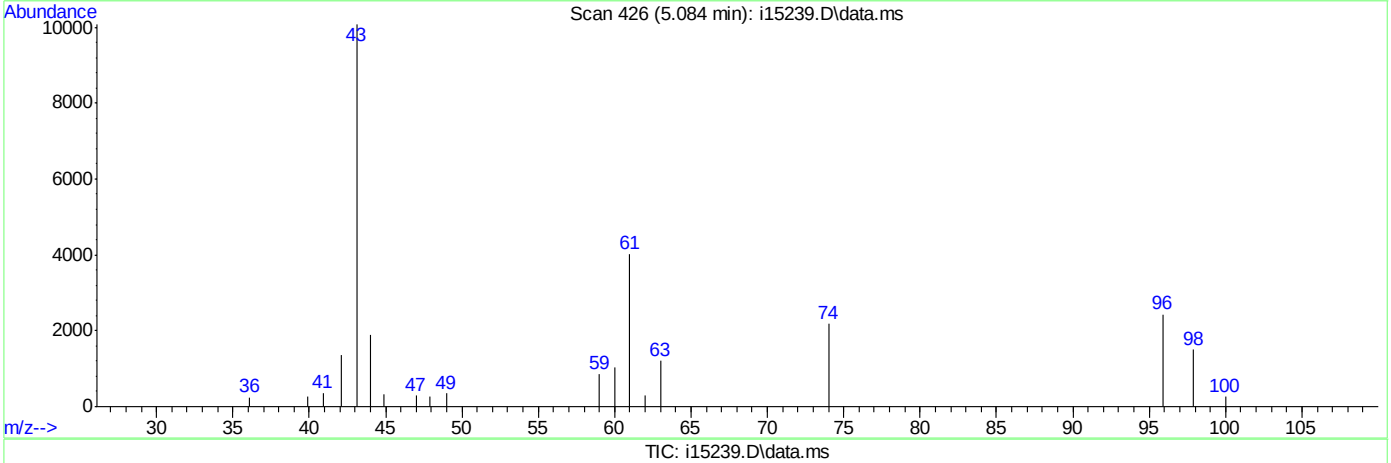

TIC: i15239.D\data.ms

(17) Methyl acetate

5.084min (-5.084) 0.00ug/L

response 0

Ion	Exp%	Act%
43.00	100	0.00
74.00	26.50	0.00#
42.00	14.70	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On    : 30 Oct 2013   2:06 pm
Operator  : WILFREDO
Sample    : ic195-1
Misc      : ms25522,vi195,,,,,
ALS Vial  : 9   Sample Multiplier: 1

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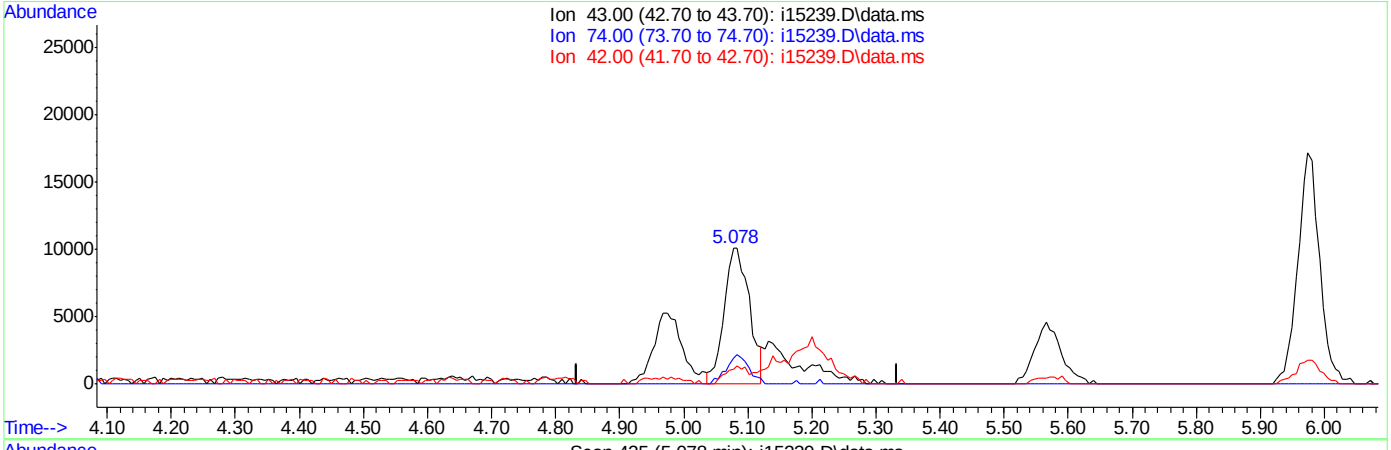
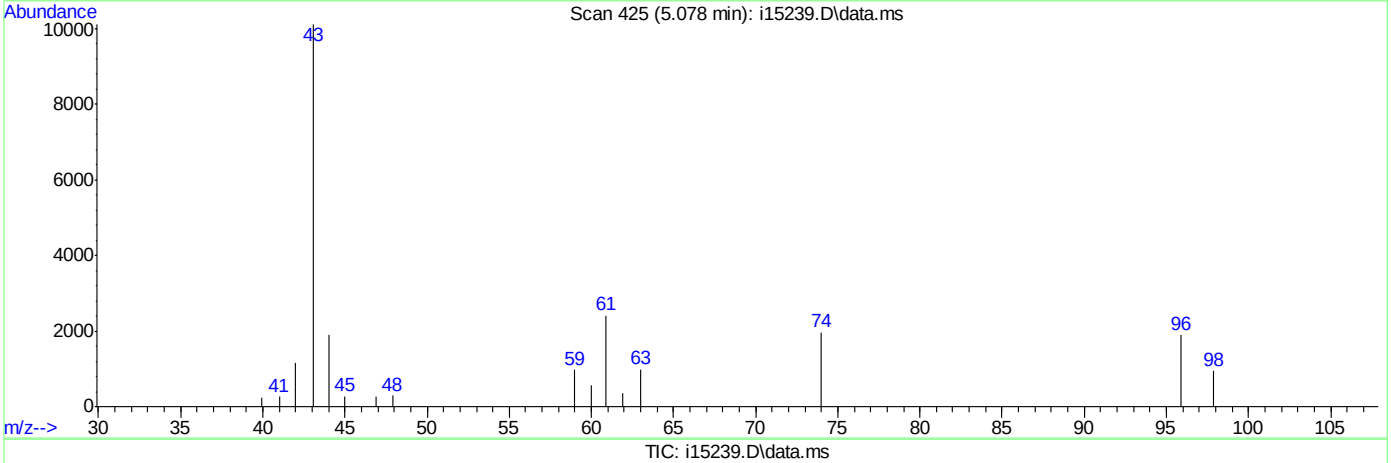




TIC: i15239.D\data.ms

(17) Methyl acetate

5.078min (-0.006) 5.87ug/L m

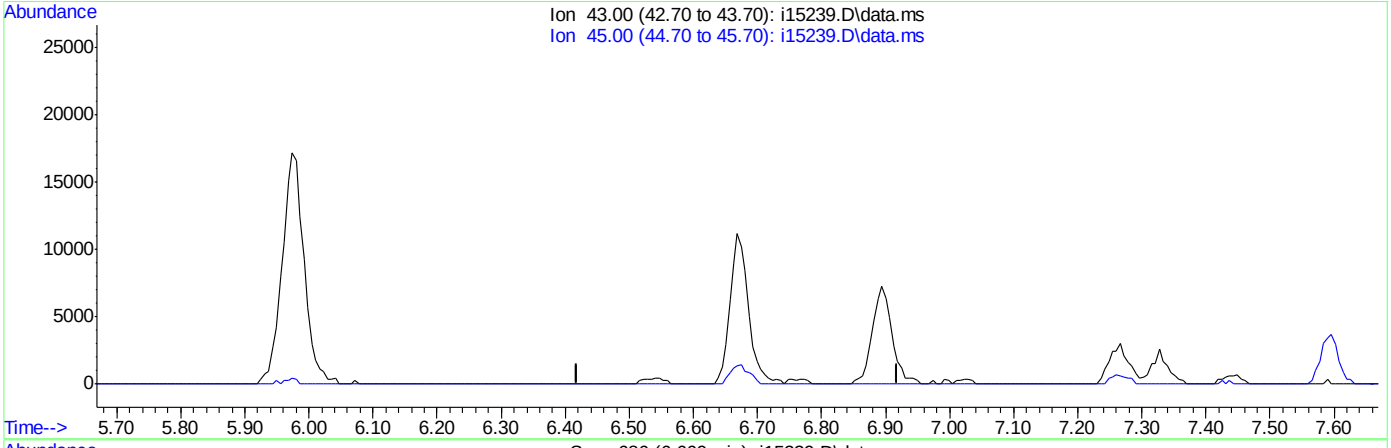
response 28018

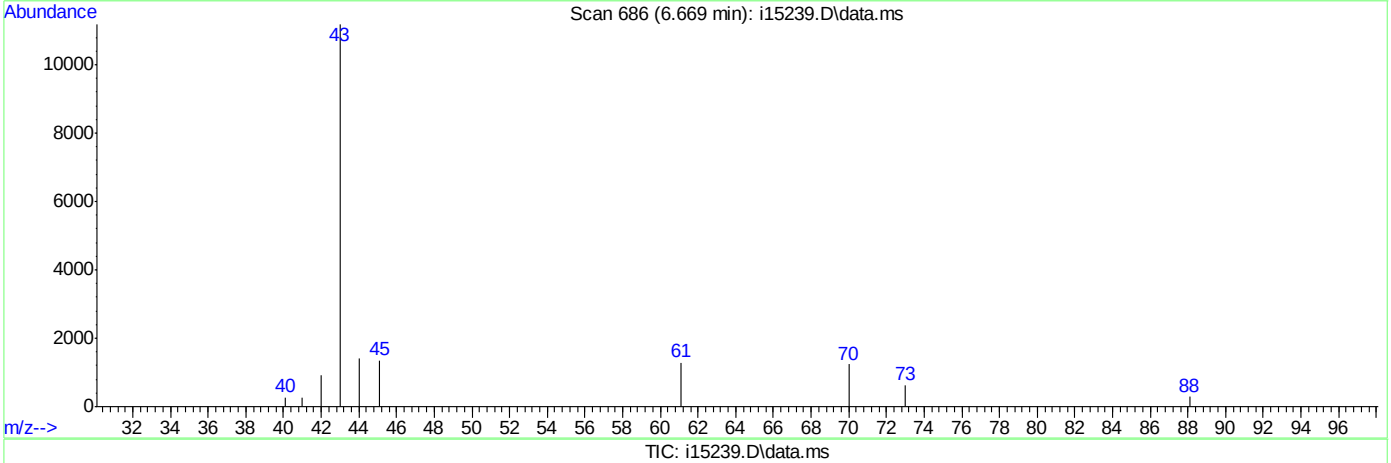
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	19.38
42.00	14.70	11.33
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(33) Ethyl acetate

6.669min (-6.669) 0.00ug/L

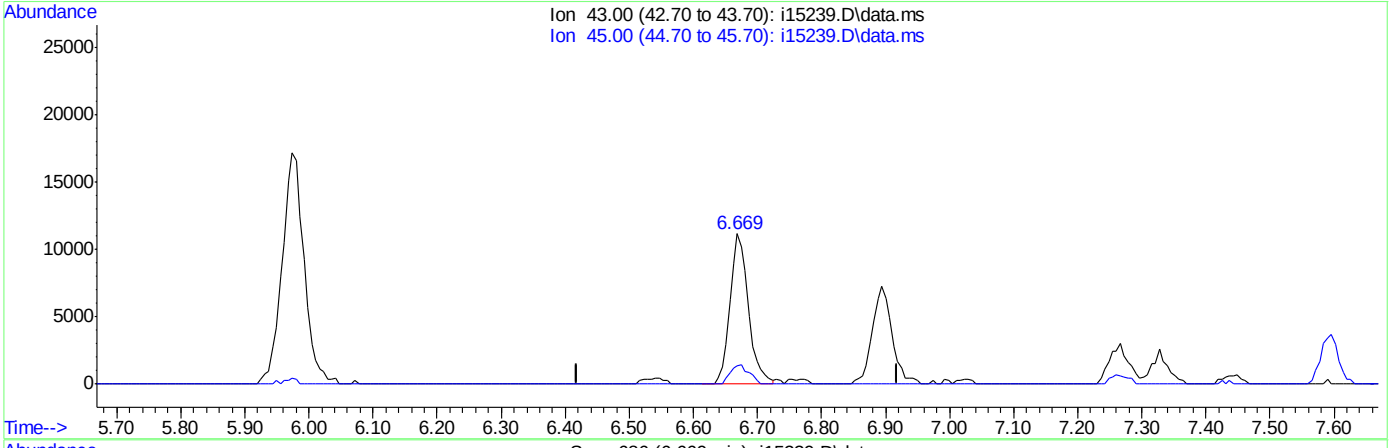
response 0

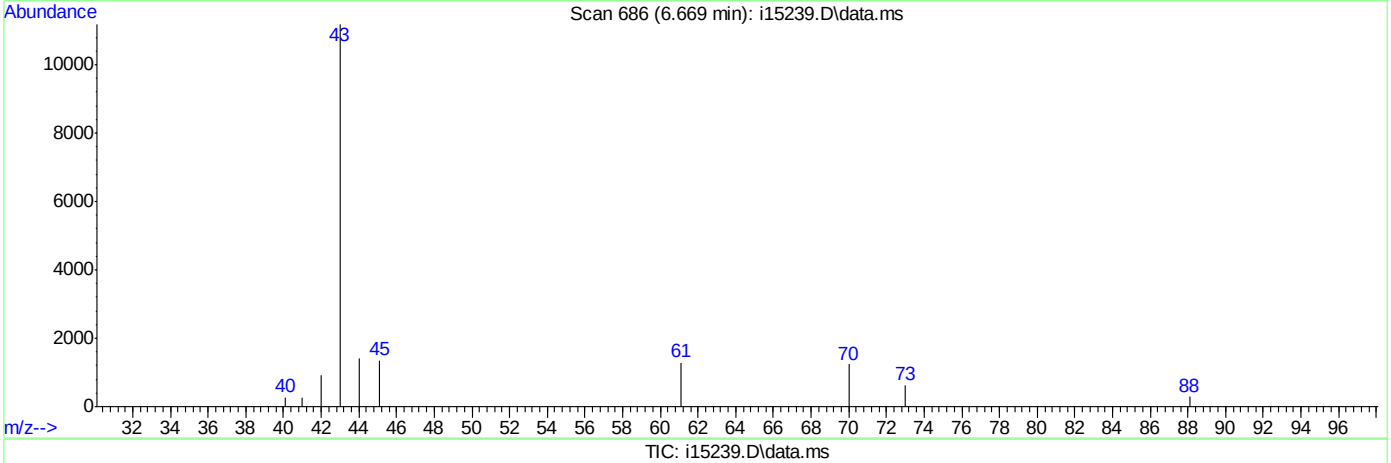
Ion	Exp%	Act%
43.00	100	0.00
45.00	10.50	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(33) Ethyl acetate

6.669min (-0.000) 4.42ug/L m

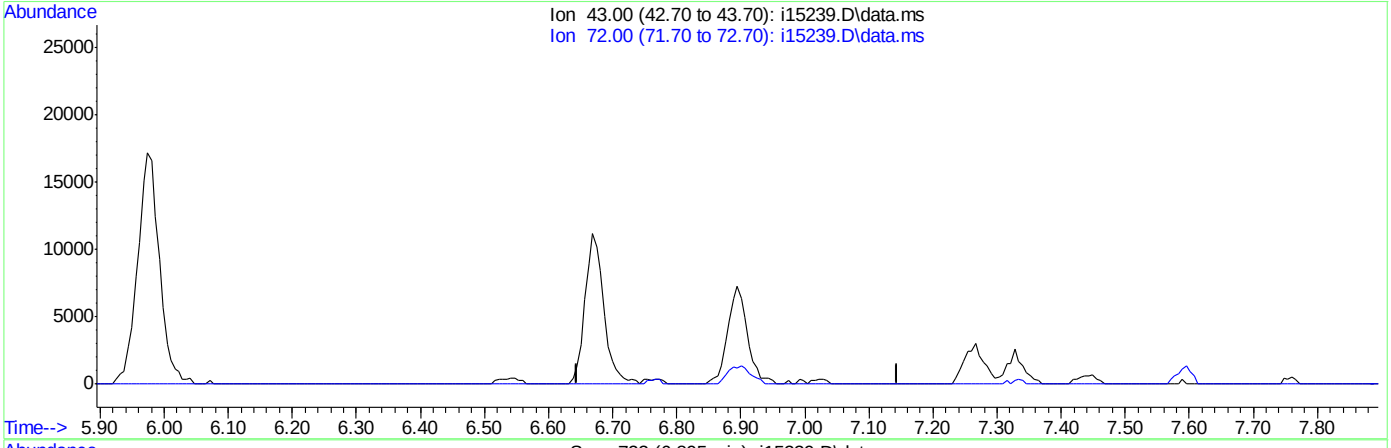
response 22599

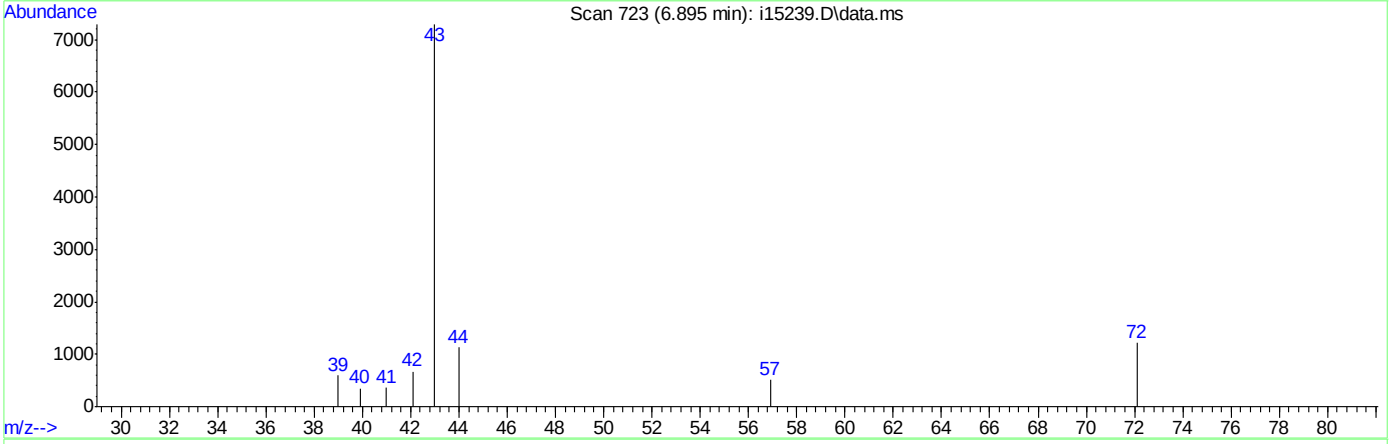
Ion	Exp%	Act%
43.00	100	100
45.00	10.50	12.07
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(38) 2-Butanone

6.895min (-6.895) 0.00ug/L

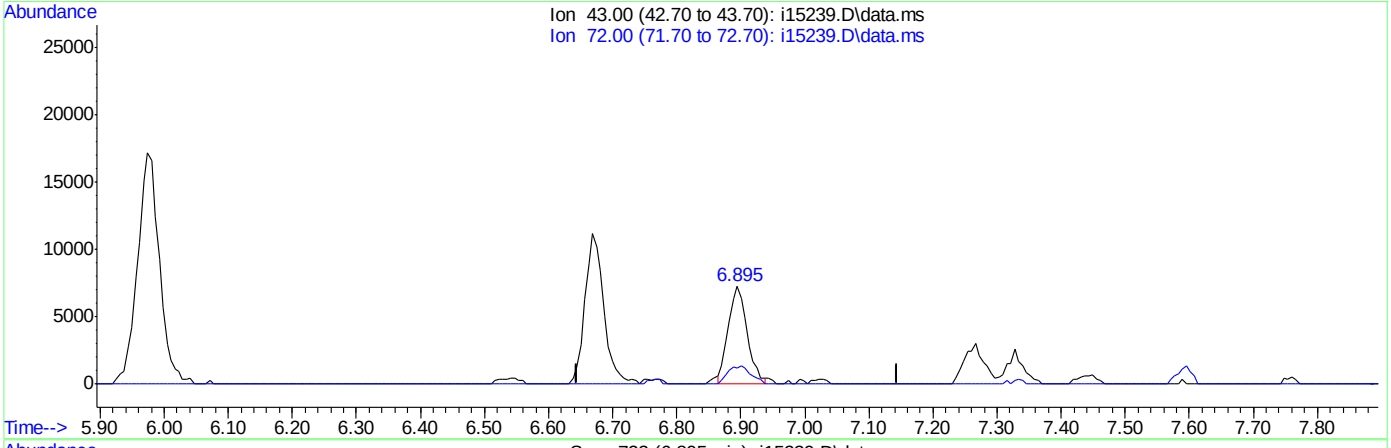
response 0

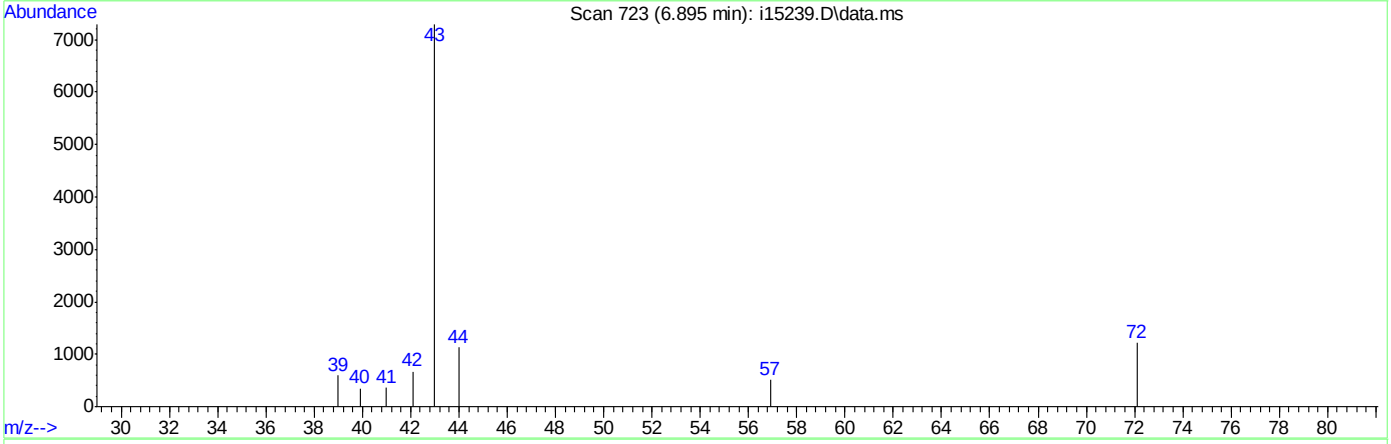
Ion	Exp%	Act%
43.00	100	0.00
72.00	38.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(38) 2-Butanone

6.895min (-0.000) 6.87ug/L m

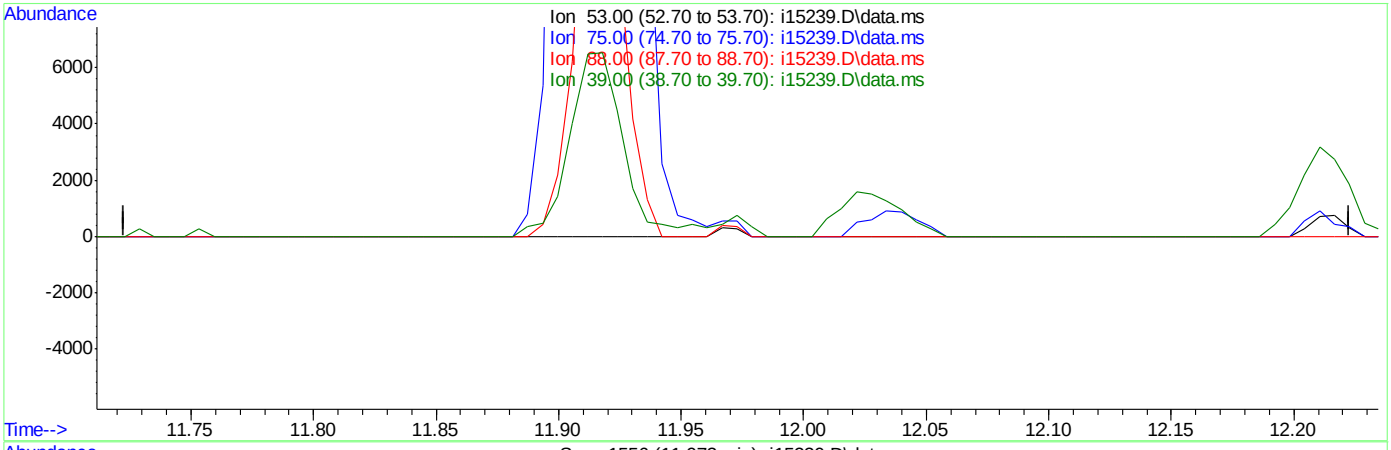
response 14932

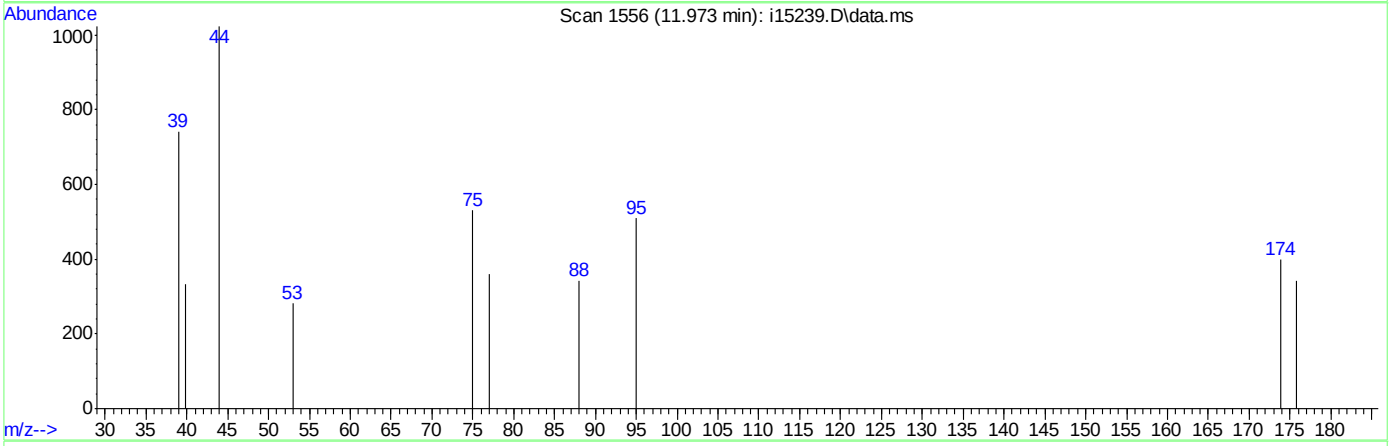
Ion	Exp%	Act%
43.00	100	100
72.00	38.90	16.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





(78) cis-1,4-Dichloro-2-butene

11.973min (-11.973) 0.00ug/L

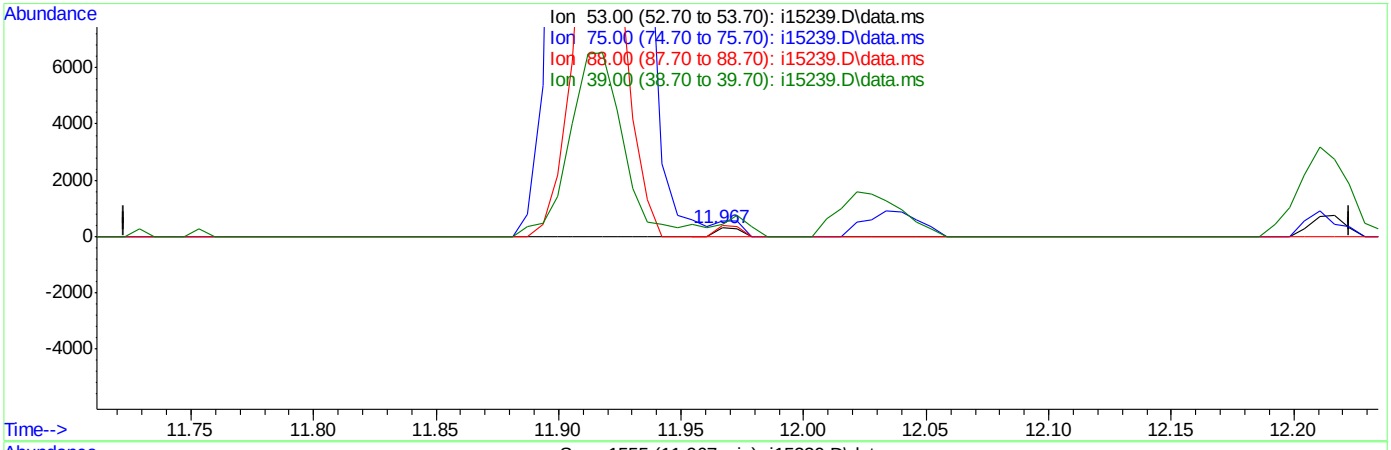
response 0

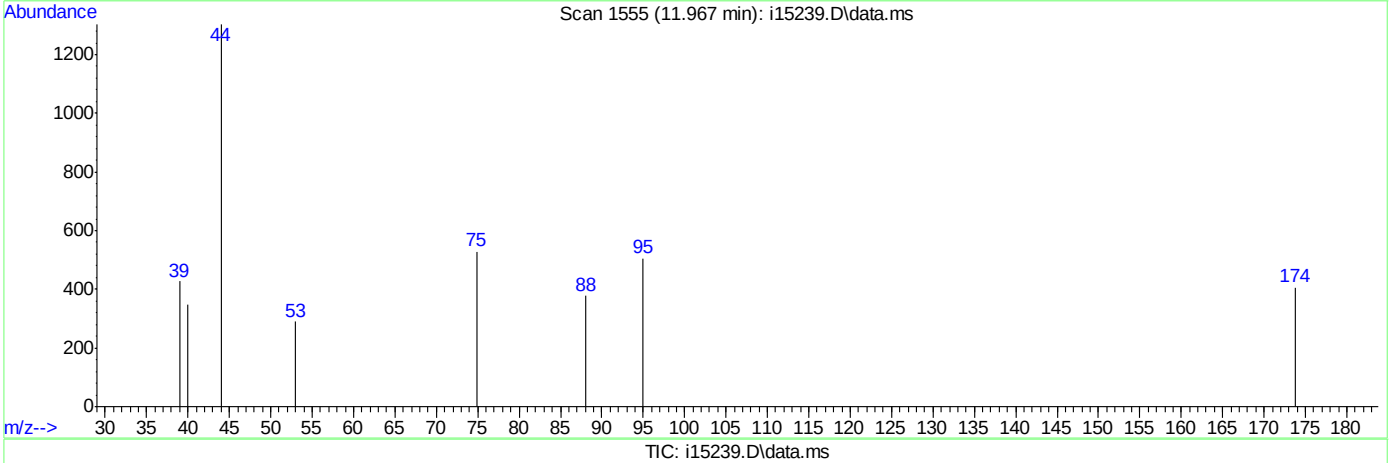
Ion	Exp%	Act%
53.00	100	0.00
75.00	91.60	0.00#
88.00	172.30	0.00#
39.00	41.40	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(78) cis-1,4-Dichloro-2-butene

11.967min (-0.006) 0.15ug/L m

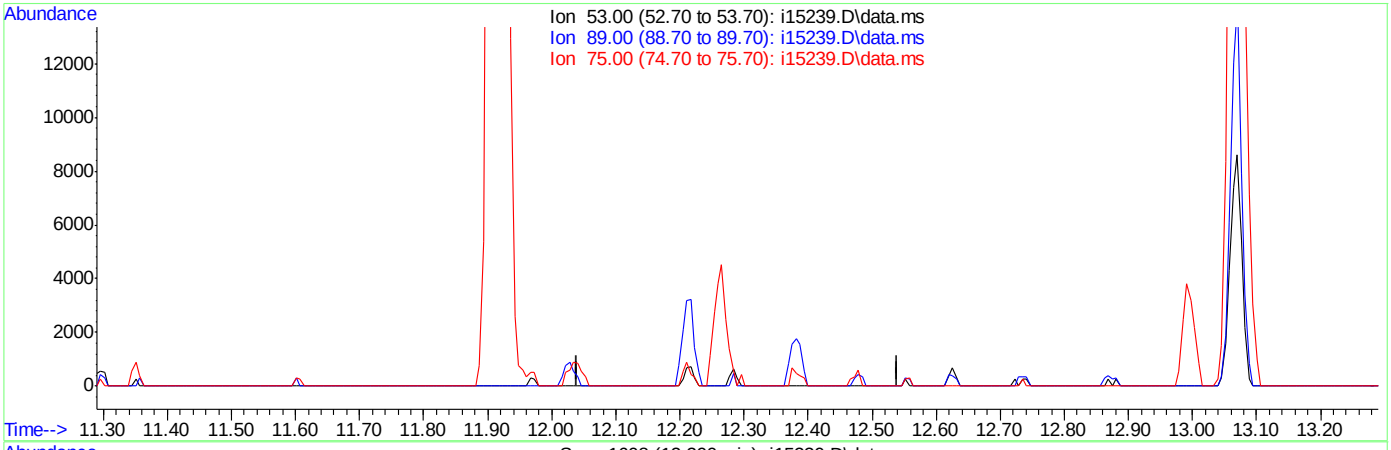
response 209

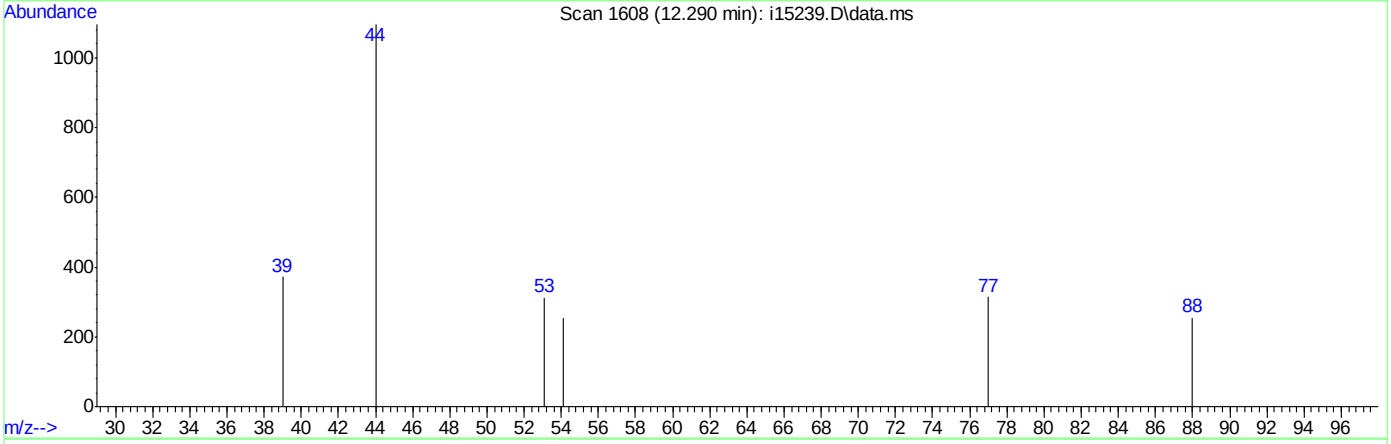
Ion	Exp%	Act%
53.00	100	100
75.00	91.60	183.04#
88.00	172.30	130.80#
39.00	41.40	147.75#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(84) trans-1,4-Dichloro-2-Butene

12.290min (-12.290) 0.00ug/L

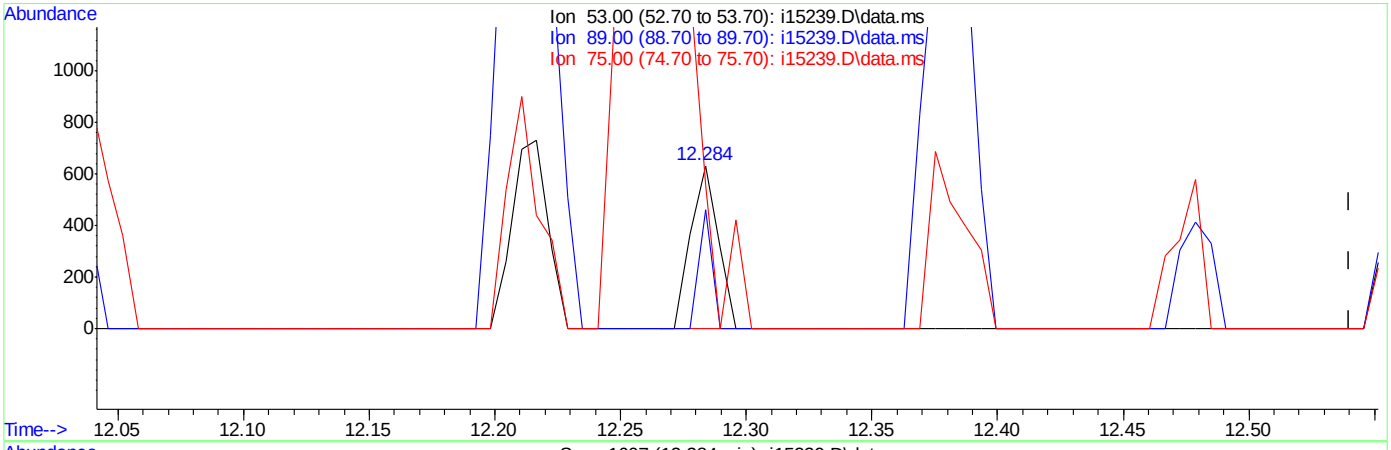
response 0

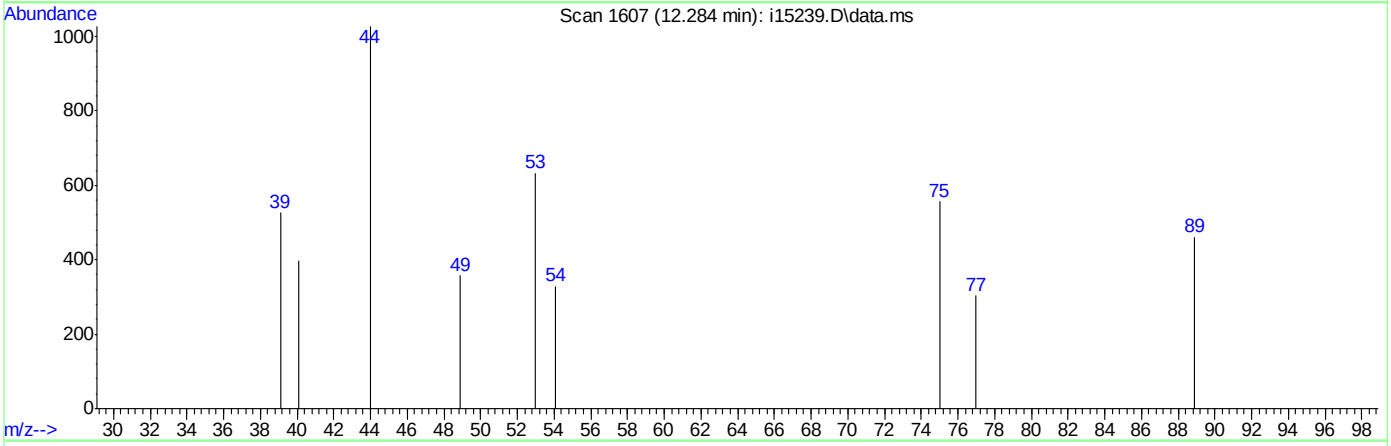
Ion	Exp%	Act%
53.00	100	0.00
89.00	62.30	0.00#
75.00	115.50	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On    : 30 Oct 2013   2:06 pm
Operator  : WILFREDO
Sample    : ic195-1
Misc      : ms25522,vi195,,,,,
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration
```



TIC: i15239.D\data.ms

(84) trans-1,4-Dichloro-2-Butene

12.284min (-0.006) 0.29ug/L m

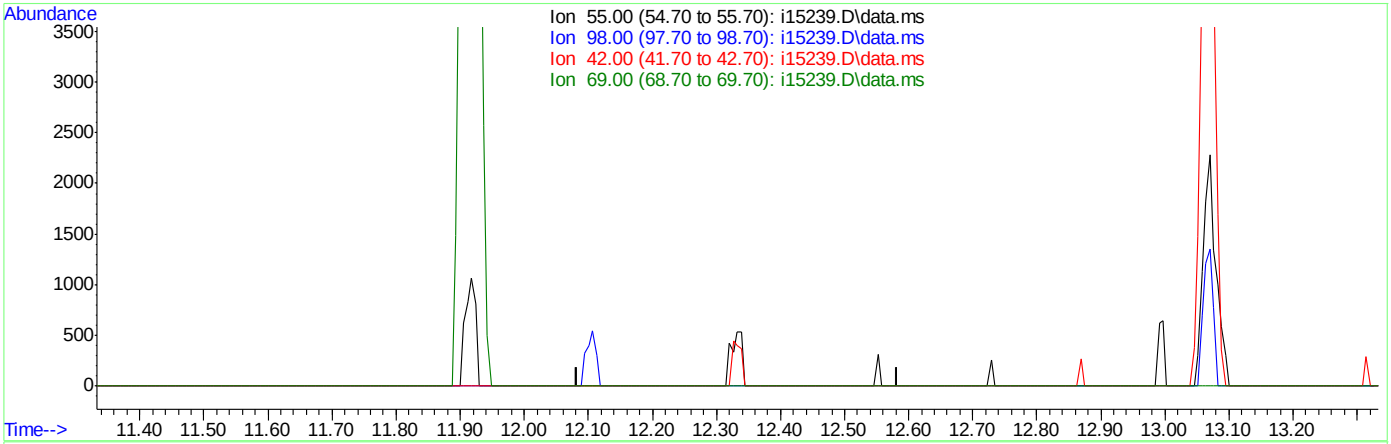
response 479

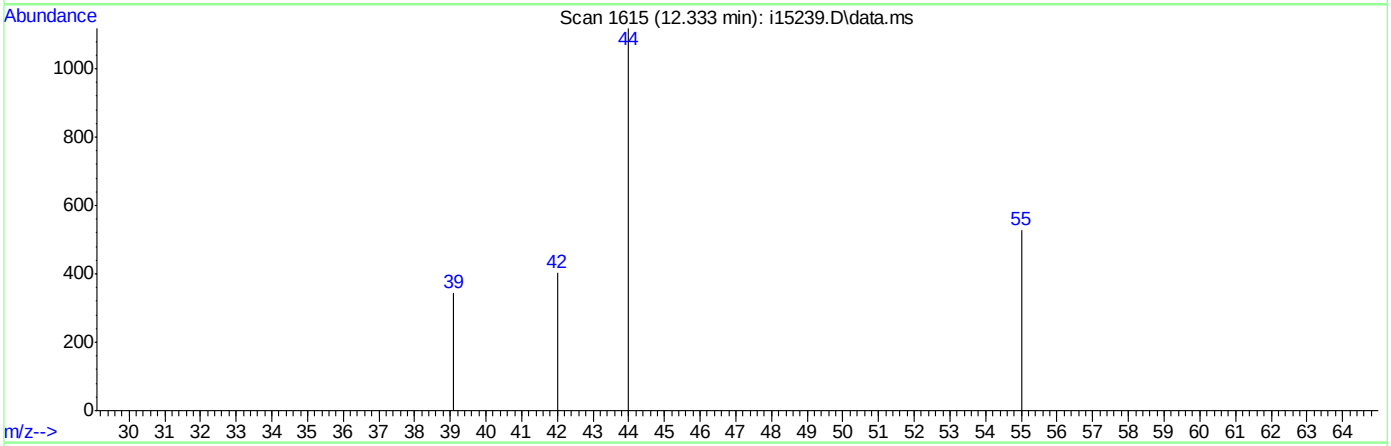
Ion	Exp%	Act%
53.00	100	100
89.00	62.30	72.99
75.00	115.50	87.99#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(86) Cyclohexanone

12.333min (-12.333) 0.00ug/L

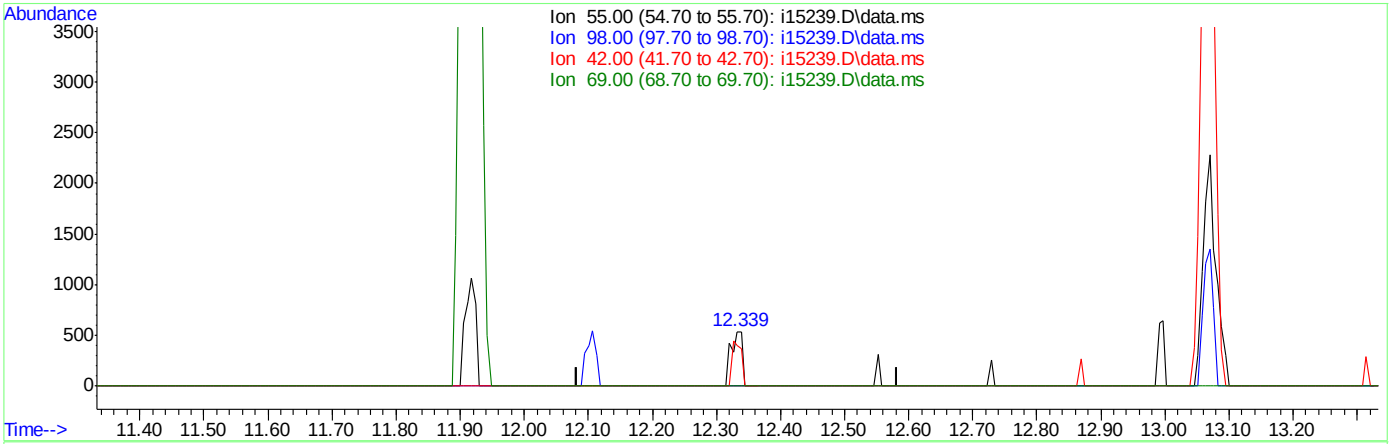
response 0

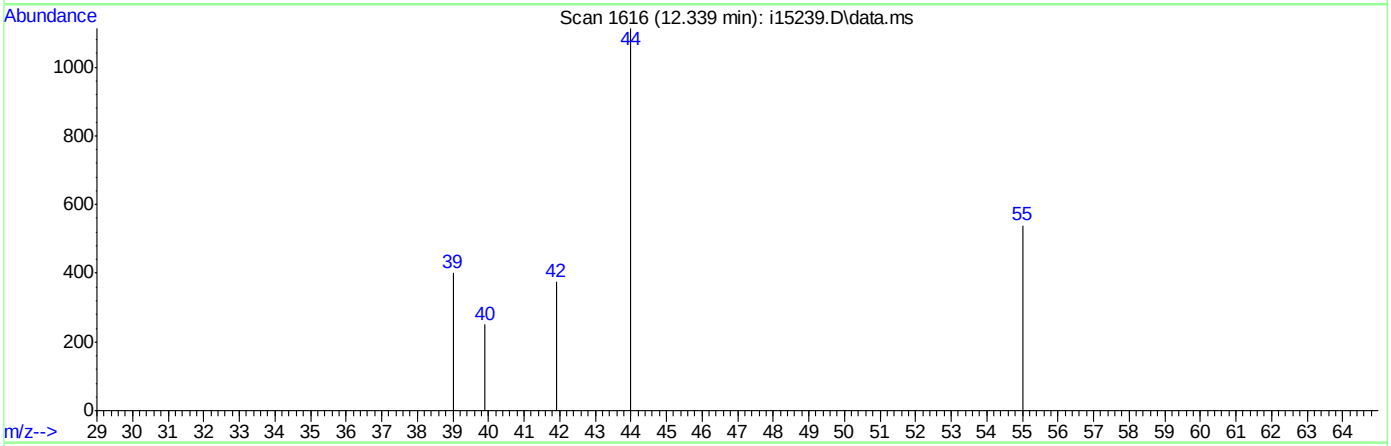
Ion	Exp%	Act%
55.00	100	0.00
98.00	0.00	0.00
42.00	39.20	0.00#
69.00	31.80	0.00#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(86) Cyclohexanone

12.339min (+0.006) 4.75ug/L m

response 666

Ion	Exp%	Act%
55.00	100	100
98.00	0.00	0.00
42.00	39.20	69.39#
69.00	31.80	0.00#

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On    : 30 Oct 2013   2:06 pm
Operator  : WILFREDO
Sample    : ic195-1
Misc      : ms25522,vi195,,,,,
ALS Vial  : 9   Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration
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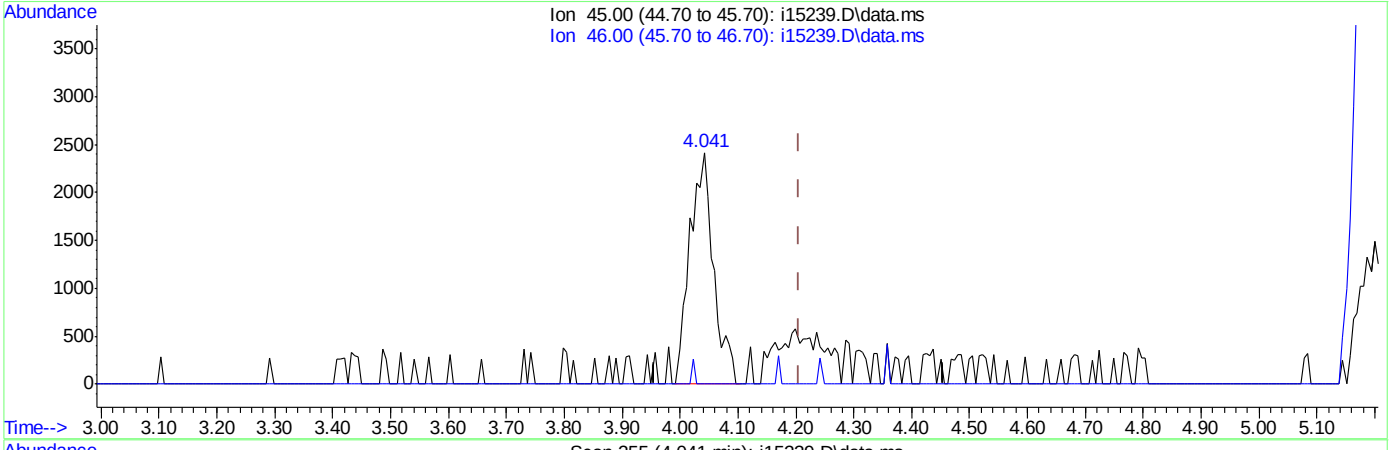
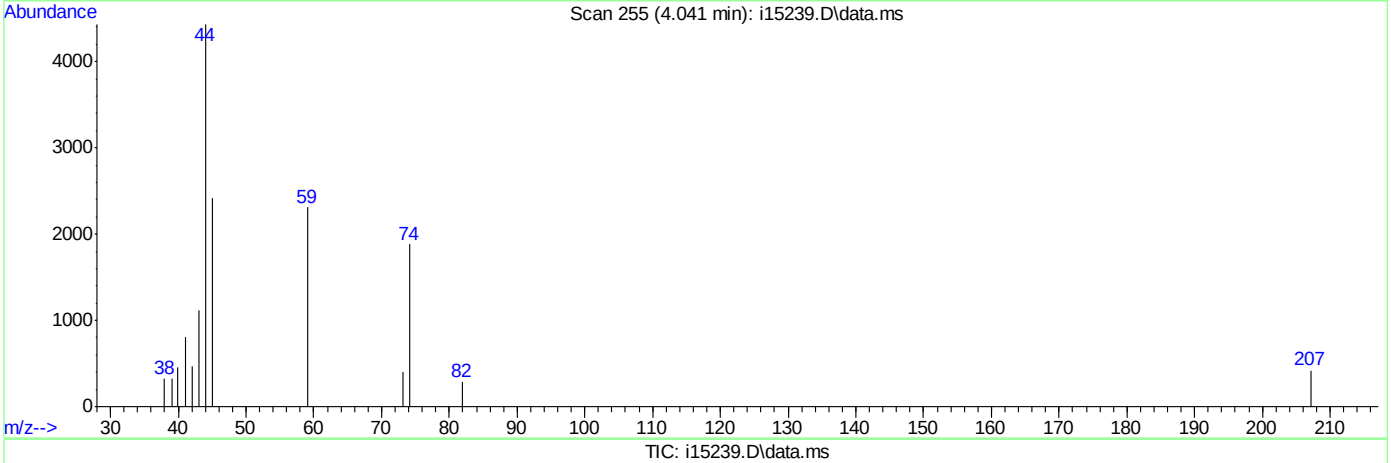




TIC: i15239.D\data.ms

(104) Ethanol

4.041min (-0.165) 101.89ug/L

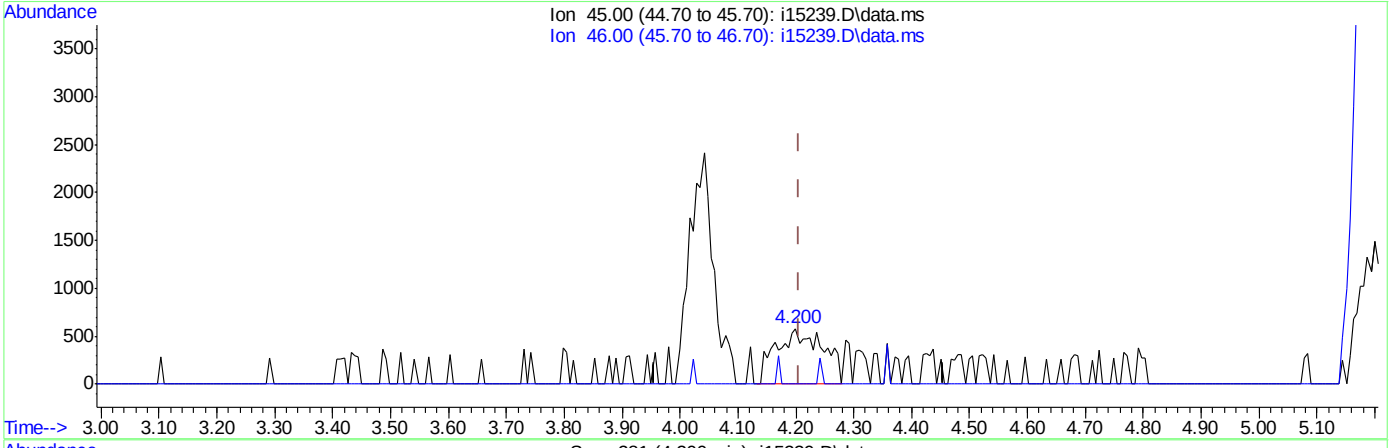
response 6869

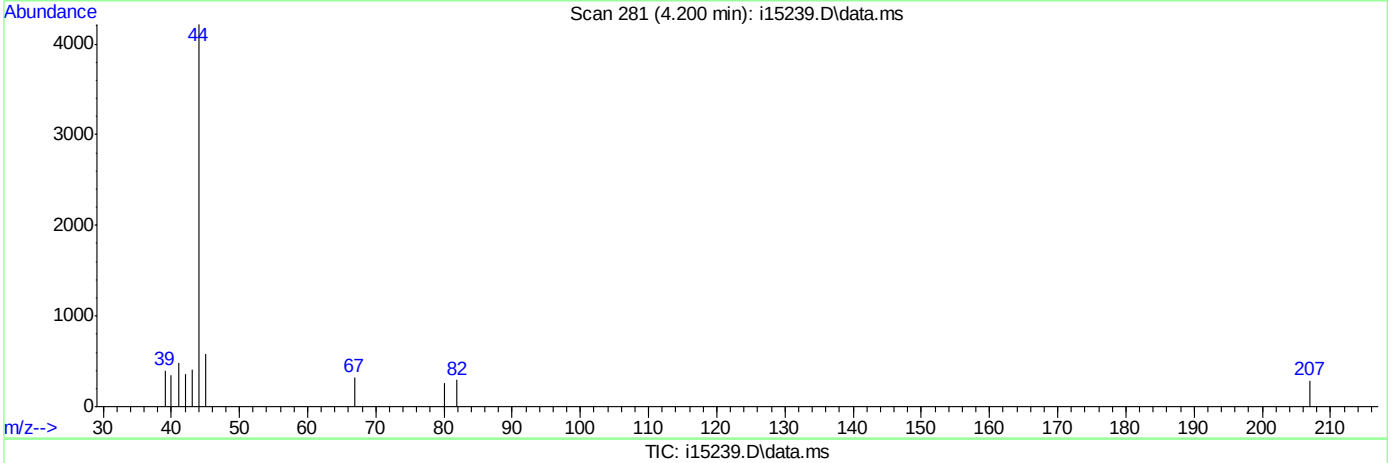
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(104) Ethanol

4.200min (-0.006) 47.92ug/L m

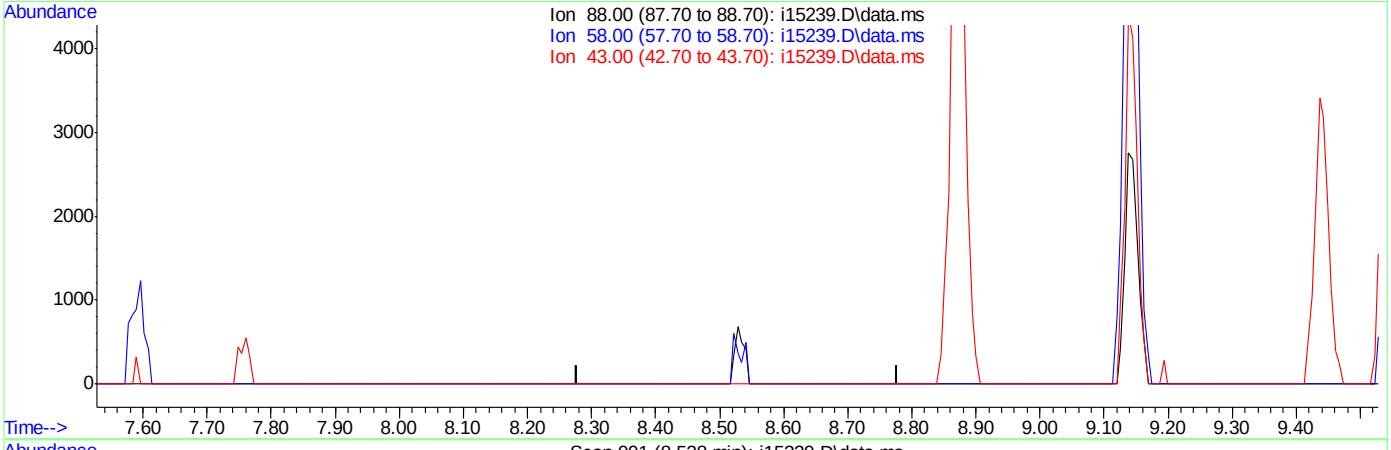
response 3260

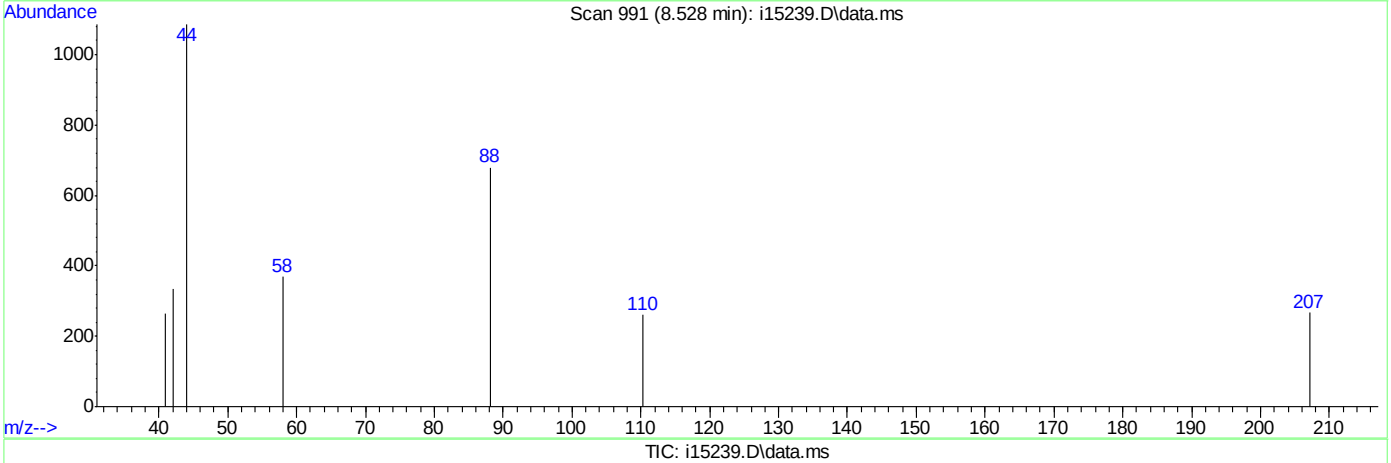
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(109) 1,4-Dioxane

8.528min (-8.528) 0.00ug/L

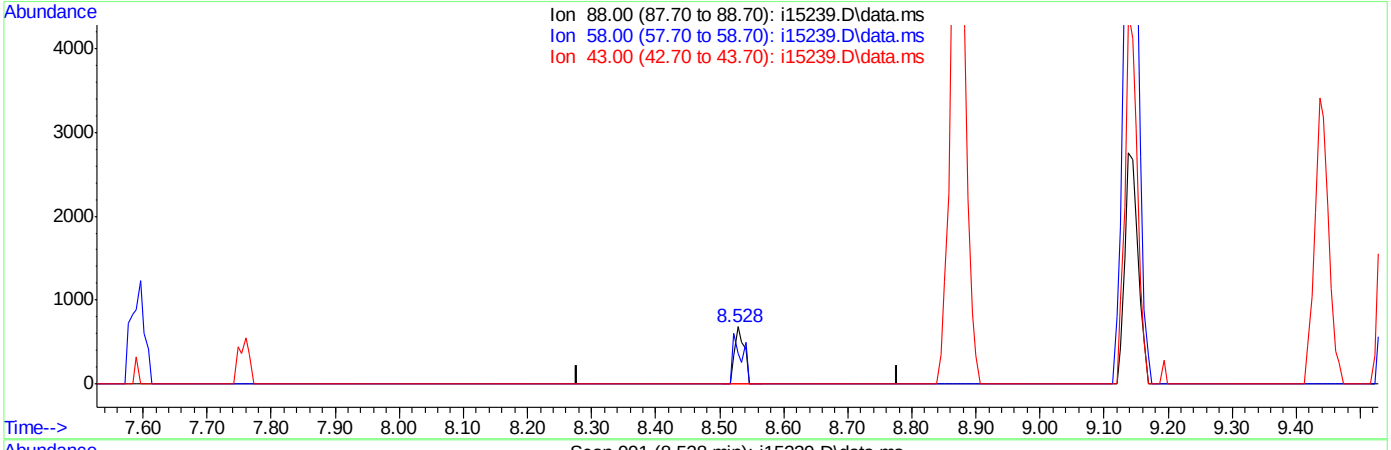
response 0

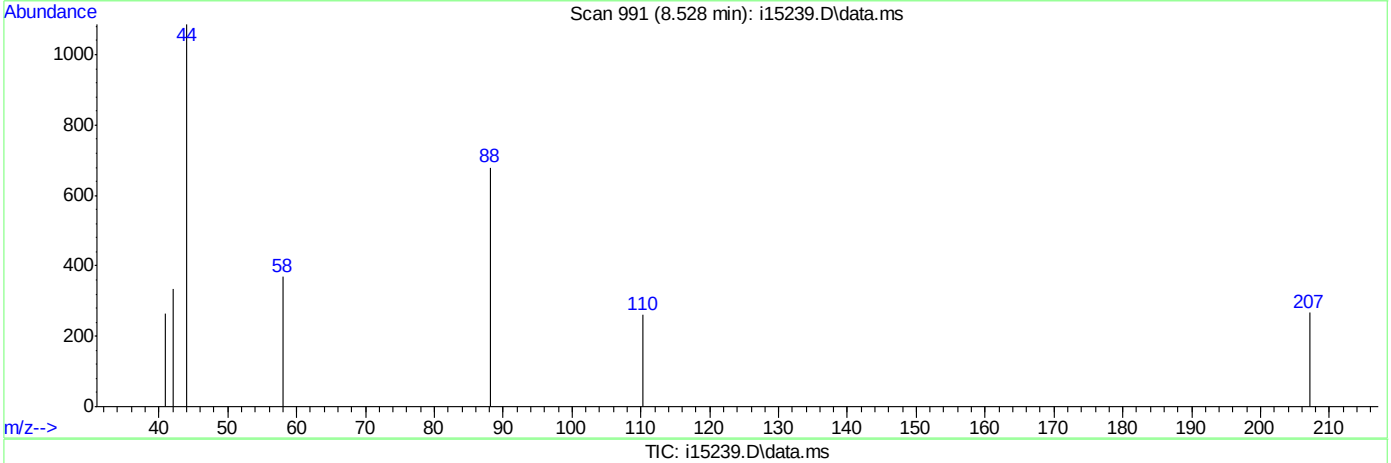
Ion	Exp%	Act%
88.00	100	0.00
58.00	56.10	0.00#
43.00	21.90	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(109) 1,4-Dioxane

8.528min (+0.000) 15.50ug/L m

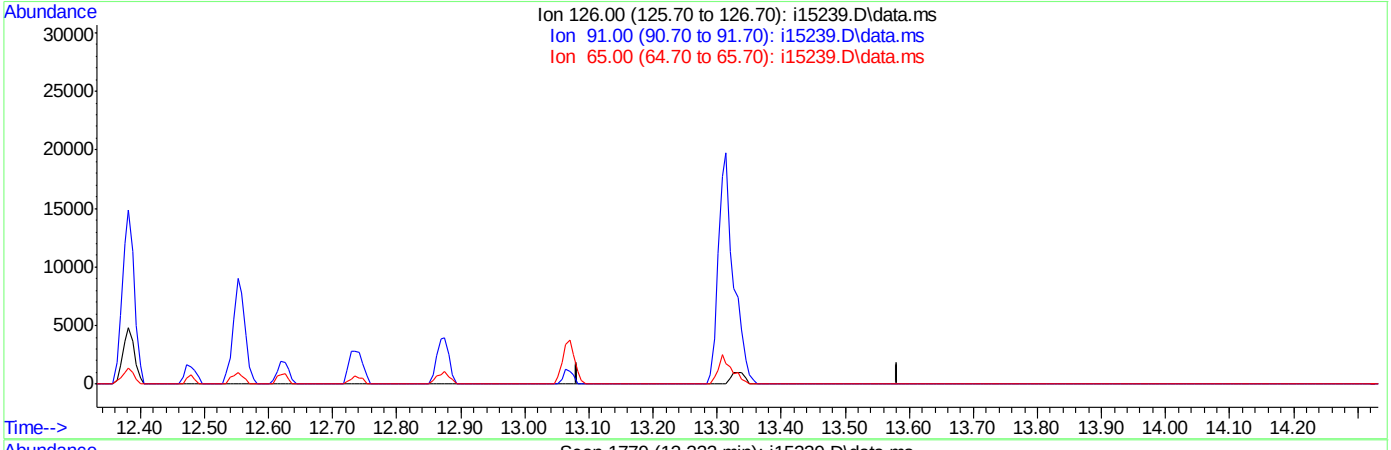
response 707

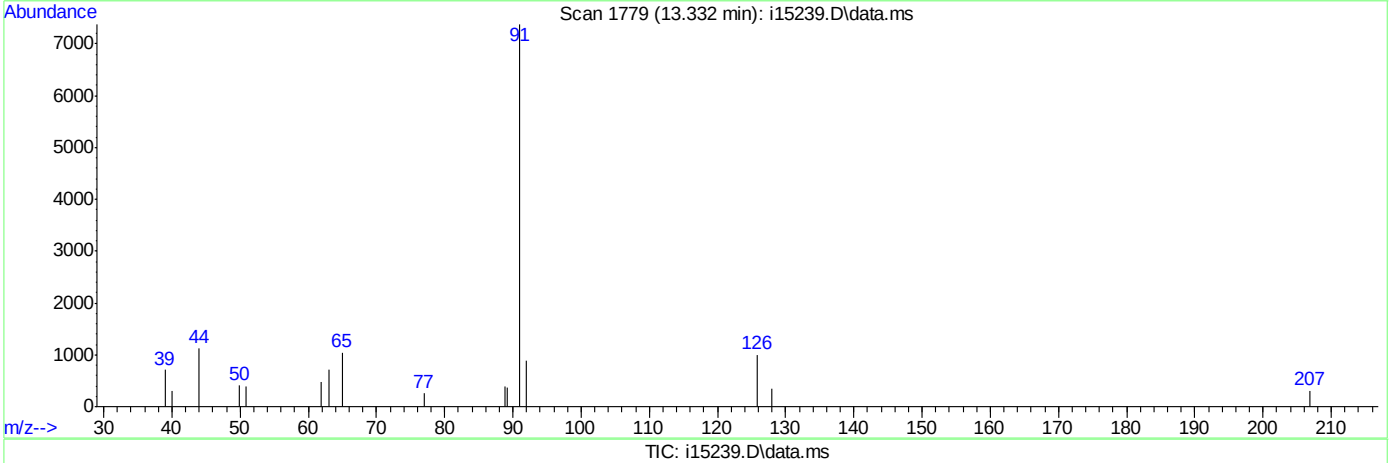
Ion	Exp%	Act%
88.00	100	100
58.00	56.10	54.26
43.00	21.90	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(96) Benzyl Chloride

13.332min (-13.332) 0.00ug/L

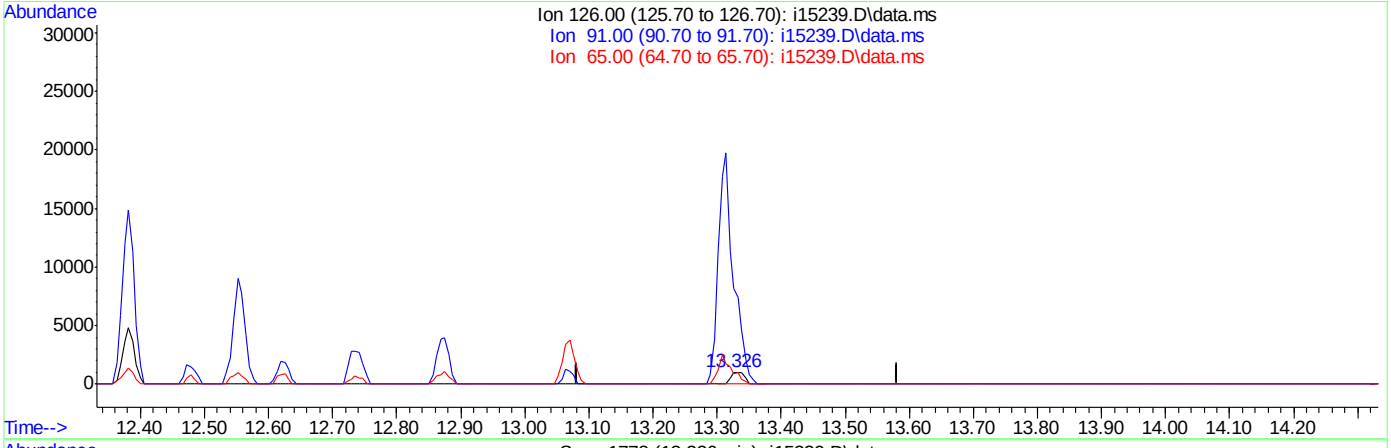
response 0

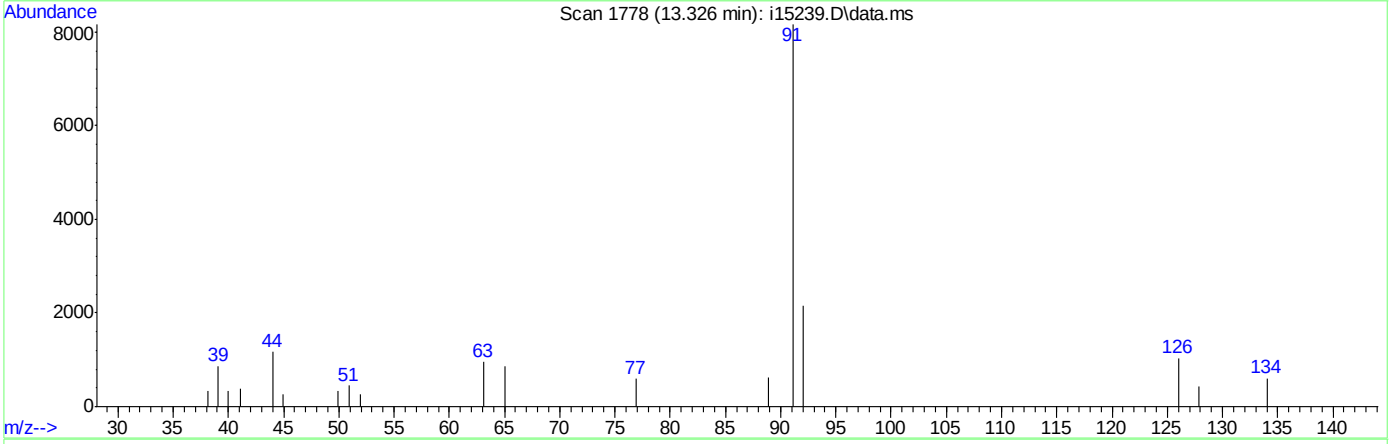
Ion	Exp%	Act%
126.00	100	0.00
91.00	248.80	0.00#
65.00	30.00	0.00#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(96) Benzyl Chloride

13.326min (-0.006) 0.58ug/L m

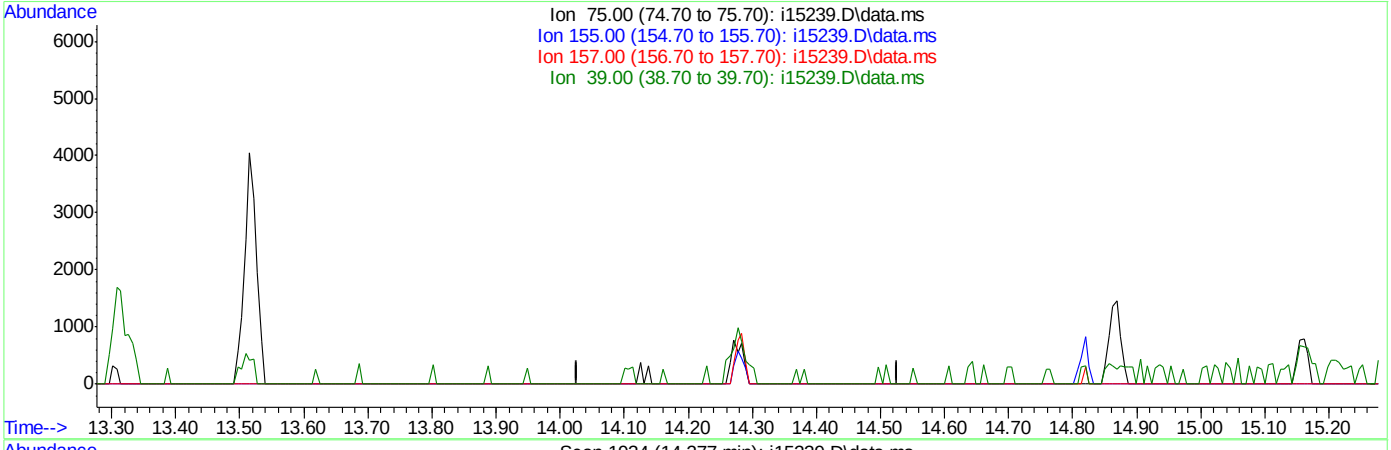
response 1483

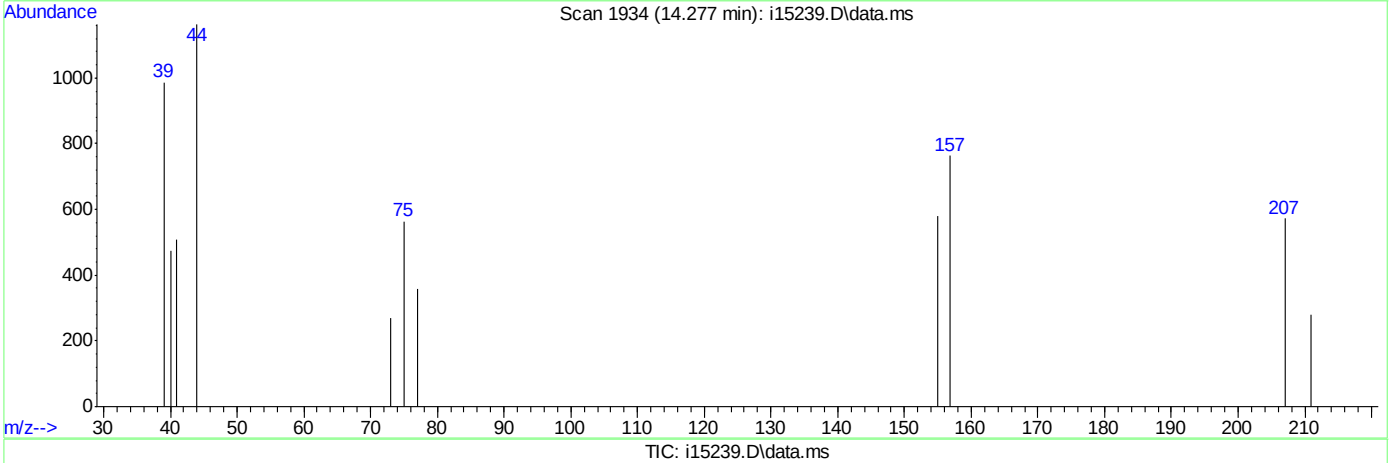
Ion	Exp%	Act%
126.00	100	100
91.00	248.80	788.79#
65.00	30.00	83.38#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(98) 1,2-Dibromo-3-Chloropropane

14.277min (-14.277) 0.00ug/L

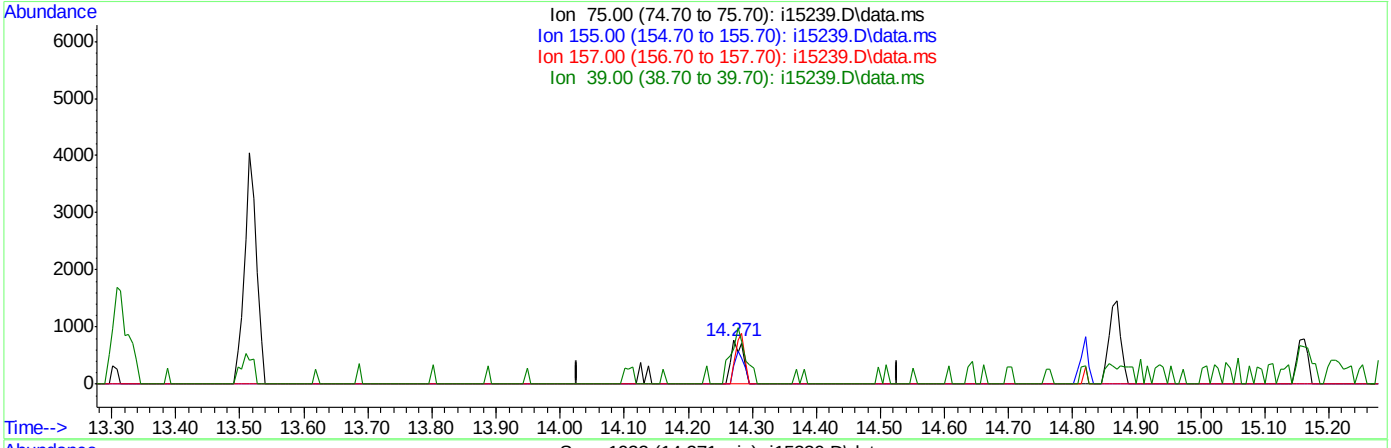
response 0

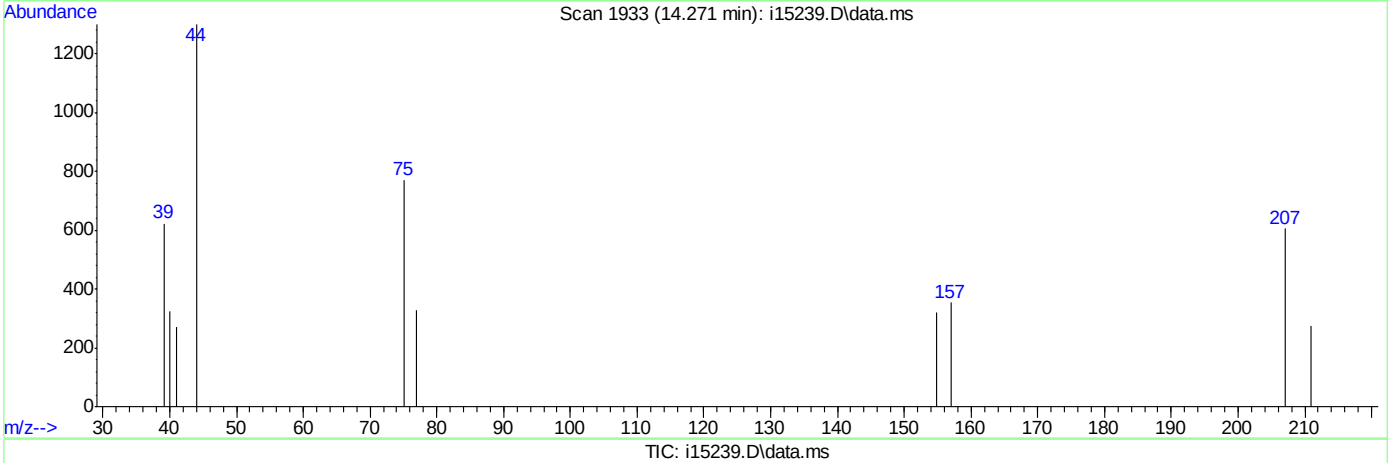
Ion	Exp%	Act%
75.00	100	0.00
155.00	34.30	0.00#
157.00	77.60	0.00#
39.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15239.D
Acq On : 30 Oct 2013 2:06 pm
Operator : WILFREDO
Sample : ic195-1
Misc : ms25522,vi195,,,,,
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Oct 30 15:49:55 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15239.D\data.ms

(98) 1,2-Dibromo-3-Chloropropane

14.271min (-0.006) 1.04ug/L m

response 980

Ion	Exp%	Act%
75.00	100	100
155.00	34.30	41.37
157.00	77.60	45.91#
39.00	0.00	80.54#

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 09:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15240.D
Acq On : 30 Oct 2013 2:30 pm
Operator : WILFREDO
Sample : ic195-2
Misc : ms25522,vi195,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 15:56:53 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1392487	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1038468	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	509745	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.200	65	97177	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.779	113	541731	66.49	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 132.98%#			
44) 1,2-Dichloroethane-d4	7.333	65	643561	73.25	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 146.50%#			
55) Toluene-d8	9.144	98	2059712	77.23	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 154.46%#			
77) 4-Bromofluorobenzene	11.918	174	571864	69.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 138.00%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.718	85	40418	7.22	ug/L #	55
3) Chloromethane	2.877	50	62562	7.08	ug/L	86
4) Vinyl Chloride	3.005	62	72419	7.08	ug/L	80
5) Bromomethane	3.420	94	57999	7.14	ug/L	94
6) Chloroethane	3.572	64	42058	7.03	ug/L	100
7) Trichlorofluoromethane	3.743	101	110957	7.00	ug/L	67
8) Ethyl Ether	4.041	59	39620	5.52	ug/L	83
9) 1,2-Dichlorotrifluoroe...	4.267	67	67408	5.92	ug/L	95
10) 1,1-Dichloroethene	4.297	61	74430	5.74	ug/L	63
11) Freon 113	4.352	101	62143	5.69	ug/L #	57
12) Carbon Disulfide	4.358	76	176908	5.29	ug/L	96
13) Iodomethane	4.486	142	102133	4.84	ug/L	80
14) Allyl chloride	4.809	41	70393	5.92	ug/L	87
15) Methylene Chloride	4.931	49	68268	6.82	ug/L	93
16) Acetone	4.974	43	70641	51.06	ug/L	88
17) Methyl acetate	5.090	43	150254m	29.88	ug/L	
18) trans-1,2-Dichloroethene	5.090	61	58588	5.22	ug/L	82
19) Hexane	5.145	56	28422m	5.15	ug/L	
20) Methyl Tert Butyl Ether	5.206	73	94142	4.62	ug/L	81
21) Acetonitrile	5.498	41	40245	76.11	ug/L	88
22) Di-isopropyl ether	5.578	45	122949	5.27	ug/L	87
23) Chloroprene	5.724	53	54586	5.37	ug/L #	92
24) 1,1-Dichloroethane	5.761	63	75072	5.38	ug/L	80
25) Acrylonitrile	5.815	53	49748	23.52	ug/L	82
26) ETBE	5.962	59	108241	4.66	ug/L	86
27) Vinyl acetate	5.980	43	256273	22.60	ug/L	87
28) cis-1,2-Dichloroethene	6.321	96	38852	4.52	ug/L	77
29) 2,2-Dichloropropane	6.449	77	54113	4.69	ug/L	96
30) Bromochloromethane	6.535	128	19704	4.34	ug/L #	36
31) Cyclohexane	6.541	56	56815	4.92	ug/L #	51
32) Chloroform	6.584	83	75182	4.92	ug/L	77
33) Ethyl acetate	6.675	43	136277	25.35	ug/L	87
34) Tetrahydrofuran	6.760	42	8494	6.51	ug/L #	63

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15240.D
Acq On : 30 Oct 2013 2:30 pm
Operator : WILFREDO
Sample : ic195-2
Misc : ms25522,vi195,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 15:56:53 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon Tetrachloride	6.748	117	49331	4.38	ug/L		93
37) 1,1,1-Trichloroethane	6.821	97	59647	4.66	ug/L		85
38) 2-Butanone	6.901	43	76989	33.76	ug/L		72
39) 1,1-Dichloropropene	6.931	75	50739	4.78	ug/L		70
40) Propionitrile	7.224	54	44209	59.05	ug/L		86
41) Methacrylonitrile	7.236	41	220189	57.11	ug/L		92
42) Benzene	7.193	78	148795	4.85	ug/L		76
43) TAME	7.272	73	101484	4.49	ug/L		96
45) 1,2-Dichloroethane	7.400	62	55159	5.15	ug/L		81
46) Trichloroethene	7.766	95	40318	4.63	ug/L	#	67
47) Methylcyclohexane	7.766	83	61830	4.59	ug/L		86
48) Dibromomethane	8.199	93	25107	4.87	ug/L		89
49) 1,2-Dichloropropane	8.297	63	40152	5.24	ug/L		81
50) Bromodichloromethane	8.339	83	50863	4.83	ug/L	#	87
51) Methyl methacrylate	8.455	41	24069	4.87	ug/L	#	68
52) 2-Chloroethyl vinyl ether	8.876	63	100715	21.00	ug/L	#	37
53) cis-1,3-Dichloropropene	8.961	75	56280	4.44	ug/L	#	66
56) Toluene	9.199	91	164973	5.02	ug/L		90
57) 2-Nitropropane	9.443	41	27717	23.13	ug/L	#	74
58) 4-Methyl-2-pentanone	9.552	43	140098	27.01	ug/L		84
59) trans-1,3-Dichloropropene	9.595	75	48048	4.66	ug/L		93
60) Tetrachloroethene	9.583	166	39163	4.36	ug/L		87
61) Ethyl methacrylate	9.711	69	37909	4.88	ug/L		85
62) 1,1,2-Trichloroethane	9.766	83	27890	5.09	ug/L		95
63) Dibromochloromethane	9.955	129	32439	4.36	ug/L		88
64) 1,3-Dichloropropane	10.046	76	55467	5.20	ug/L		74
65) 1,2-Dibromoethane	10.211	107	29225	4.47	ug/L		82
66) 2-hexanone	10.376	43	102565	31.09	ug/L		93
67) 1-Chlorohexane	10.656	91	49604	4.54	ug/L	#	69
68) Ethylbenzene	10.717	91	192008	4.95	ug/L		88
69) Chlorobenzene	10.717	112	105290	4.82	ug/L		89
70) 1,1,1,2-Tetrachloroethane	10.772	131	33394	4.43	ug/L	#	75
71) m,p-Xylene	10.857	91	259024	9.24	ug/L		94
72) o-Xylene	11.296	91	115800	4.41	ug/L		92
73) Styrene	11.351	104	90557	4.09	ug/L		87
74) Bromoform	11.406	173	16895	3.75	ug/L		85
75) Isopropylbenzene	11.607	105	138923	4.34	ug/L		83
78) cis-1,4-Dichloro-2-butene	11.973	53	3927	2.54	ug/L	#	53
79) n-Propylbenzene	12.028	91	187844	4.97	ug/L		86
80) Bromobenzene	12.040	156	43388	4.57	ug/L		87
81) 1,1,2,2-Tetrachloroethane	12.101	83	40966	5.44	ug/L	#	41
82) 1,3,5-Trimethylbenzene	12.217	105	135514	4.46	ug/L		96
83) 2-Chlorotoluene	12.211	91	130623	4.84	ug/L		93
84) trans-1,4-Dichloro-2-B...	12.290	53	5029	2.78	ug/L		91
85) 1,2,3-Trichloropropane	12.259	110	10864	5.16	ug/L		66
86) Cyclohexanone	12.332	55	4860	32.12	ug/L	#	81
87) 4-Chlorotoluene	12.381	91	110721	4.81	ug/L		76
88) tert-Butylbenzene	12.552	91	73762	4.72	ug/L		95
89) 1,2,4-Trimethylbenzene	12.625	105	140150	4.73	ug/L		99
90) Pentachloroethane	12.601	167	22224	5.10	ug/L	#	59

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15240.D
Acq On : 30 Oct 2013 2:30 pm
Operator : WILFREDO
Sample : ic195-2
Misc : ms25522,vi195,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 15:56:53 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

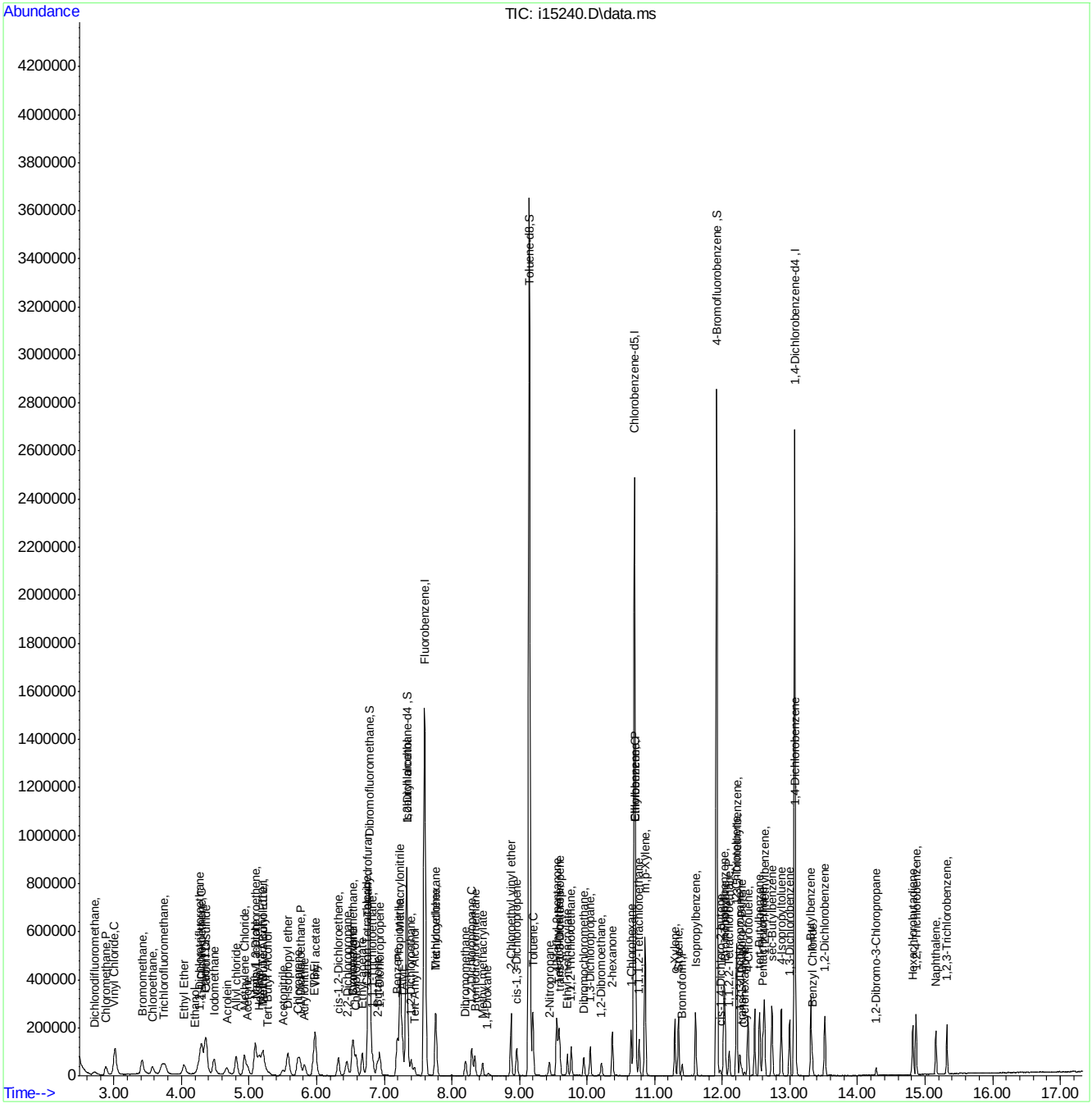
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	sec-Butylbenzene	12.735	105	163469	4.80	ug/L		93
92)	4-Isopropyltoluene	12.875	119	126819	4.38	ug/L		85
93)	1,3-Dichlorobenzene	12.997	146	74020	4.66	ug/L		77
94)	1,4-Dichlorobenzene	13.082	146	88171	4.83	ug/L		87
95)	n-Butylbenzene	13.308	92	81901	4.62	ug/L		94
96)	Benzyl Chloride	13.332	126	9478	3.40	ug/L	#	1
97)	1,2-Dichlorobenzene	13.515	146	68520	4.58	ug/L		90
98)	1,2-Dibromo-3-Chloropr...	14.277	75	4887	4.78	ug/L	#	57
99)	Hexachlorobutadiene	14.820	225	24557	4.46	ug/L		85
100)	1,2,4-Trichlorobenzene	14.869	180	50045	4.64	ug/L		86
101)	Naphthalene	15.161	128	92582	4.80	ug/L		99
102)	1,2,3-Trichlorobenzene	15.326	180	43850	4.98	ug/L		89
104)	Ethanol	4.200	45	10126m	145.93	ug/L		
105)	Acrolein	4.669	56	38419	35.42	ug/L		89
106)	Tert Butyl Alcohol	5.279	59	24080	50.88	ug/L	#	100
107)	Isobutyl alcohol	7.333	42	14896	128.10	ug/L	#	53
108)	Tert Amyl Alcohol	7.443	59	17739	45.70	ug/L	#	39
109)	1,4-Dioxane	8.528	88	4771	100.86	ug/L		74

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15240.D
Acq On : 30 Oct 2013 2:30 pm
Operator : WILFREDO
Sample : ic195-2
Misc : ms25522,vi195,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 15:56:53 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration



Manual Integration Approval Summary

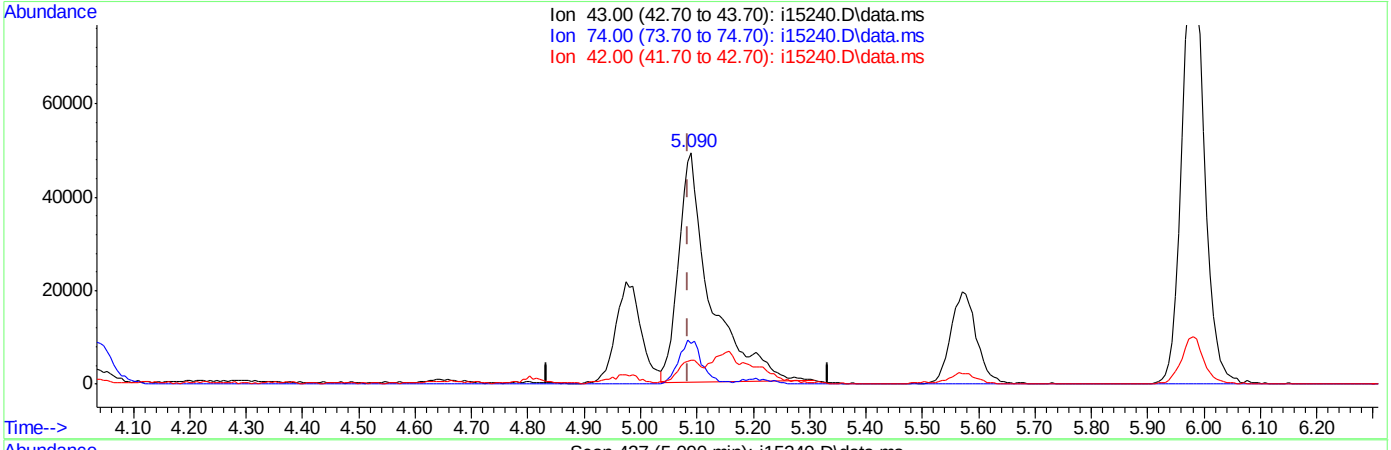
Sample Number:	VI195-IC195	**Method:**	SW846 8260B
Lab FileID:	I15240.D	**Analyst approved:**	10/31/13 16:18 Wilfredo Vazquez
Injection Time:	10/30/13 14:30	**Supervisor approved:**	11/01/13 09:56 Juan Garcia

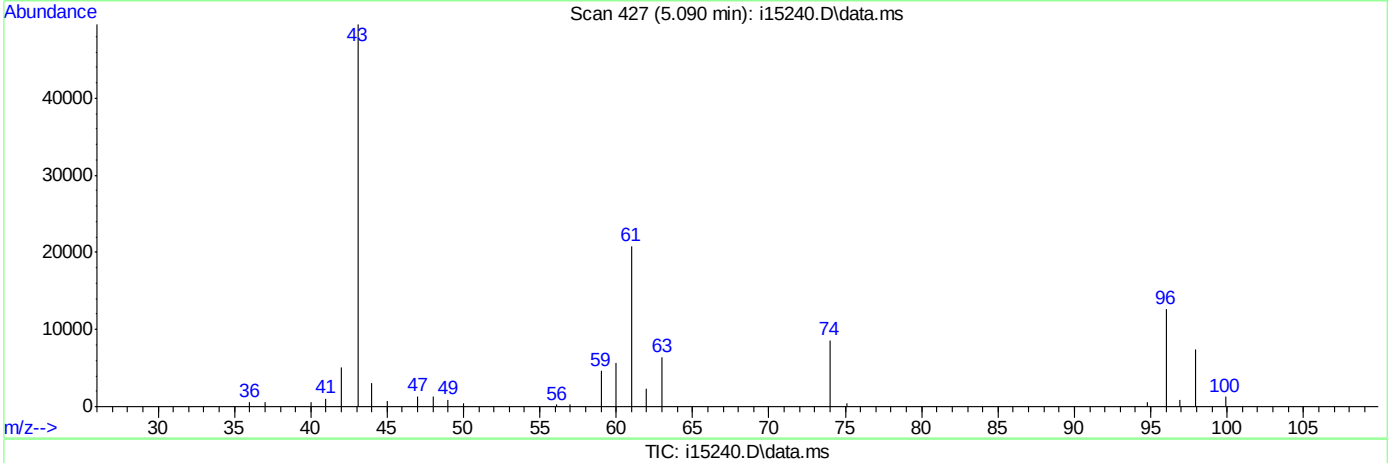
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		4.20	Missed peak
Methyl Acetate	79-20-9		5.09	Missed peak
Hexane	110-54-3		5.14	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15240.D
Acq On : 30 Oct 2013 2:30 pm
Operator : WILFREDO
Sample : ic195-2
Misc : ms25522,vi195,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 15:49:57 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15240.D\data.ms

(17) Methyl acetate

5.090min (+0.006) 39.01ug/L

response 196464

Ion	Exp%	Act%
43.00	100	100
74.00	26.50	17.62
42.00	14.70	9.60
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15240.D
Acq On : 30 Oct 2013 2:30 pm
Operator : WILFREDO
Sample : ic195-2
Misc : ms25522,vi195,,,,,
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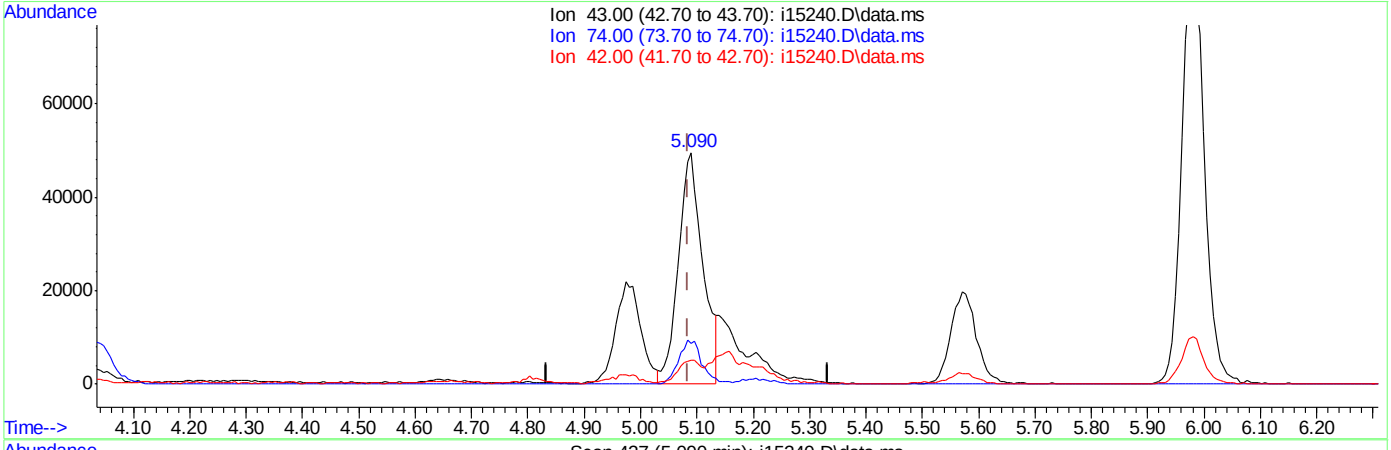
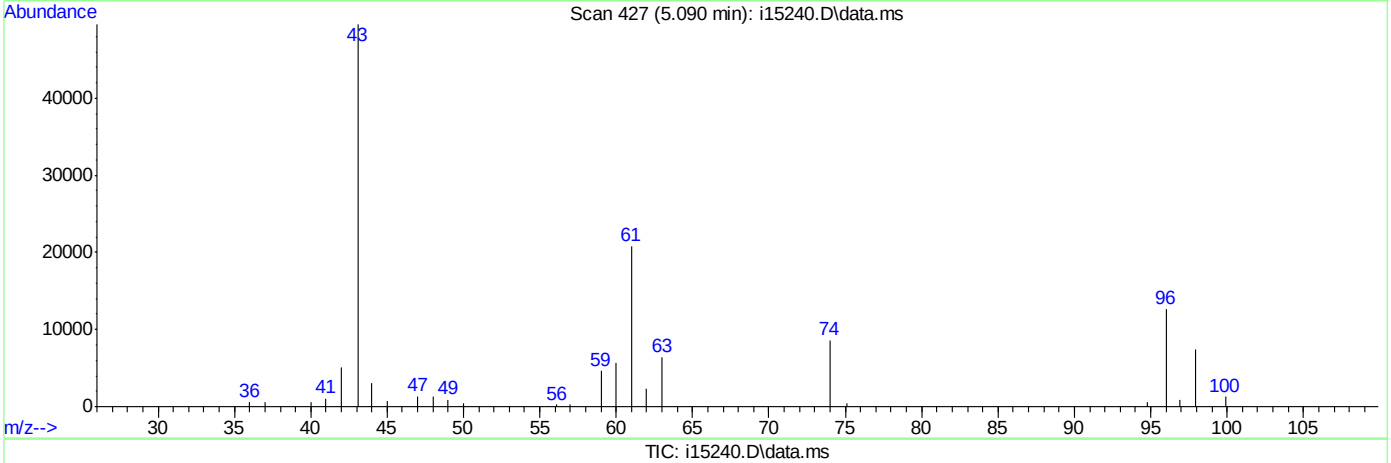
Quant Time: Oct 30 15:49:57 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15240.D\data.ms

(17) Methyl acetate

5.090min (+0.006) 29.88ug/L m

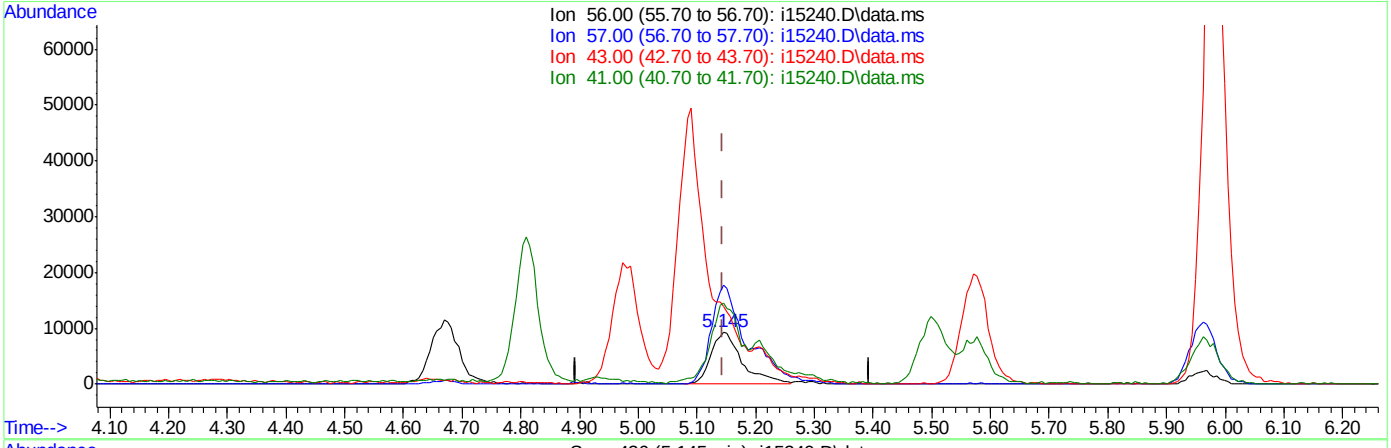
response 150254

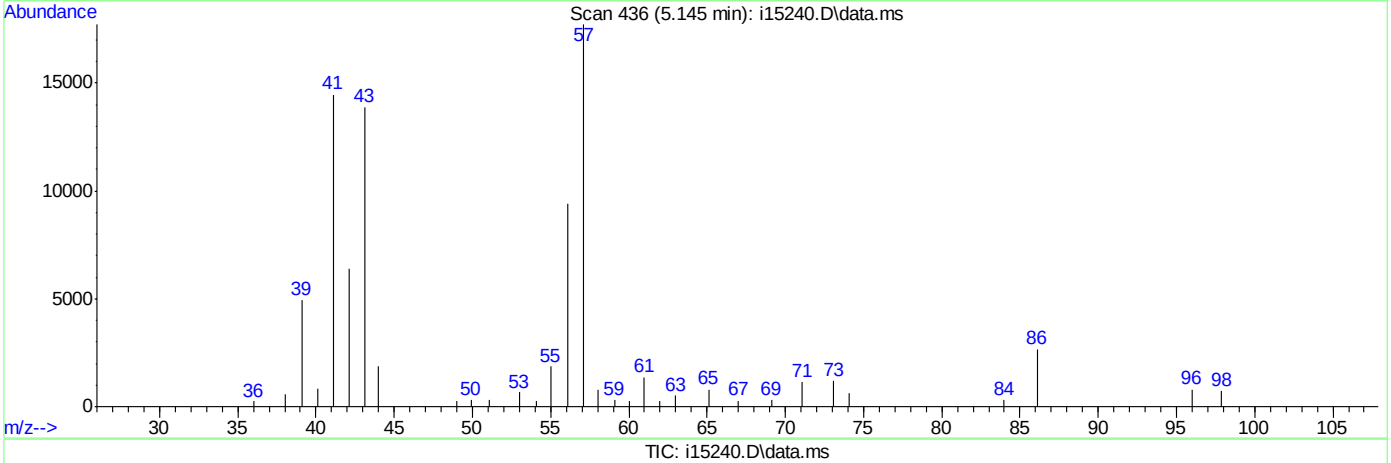
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	17.36
42.00	14.70	10.26
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15240.D
Acq On : 30 Oct 2013 2:30 pm
Operator : WILFREDO
Sample : ic195-2
Misc : ms25522,vi195,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 15:49:57 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15240.D\data.ms

(19) Hexane

5.145min (-0.000) 6.28ug/L

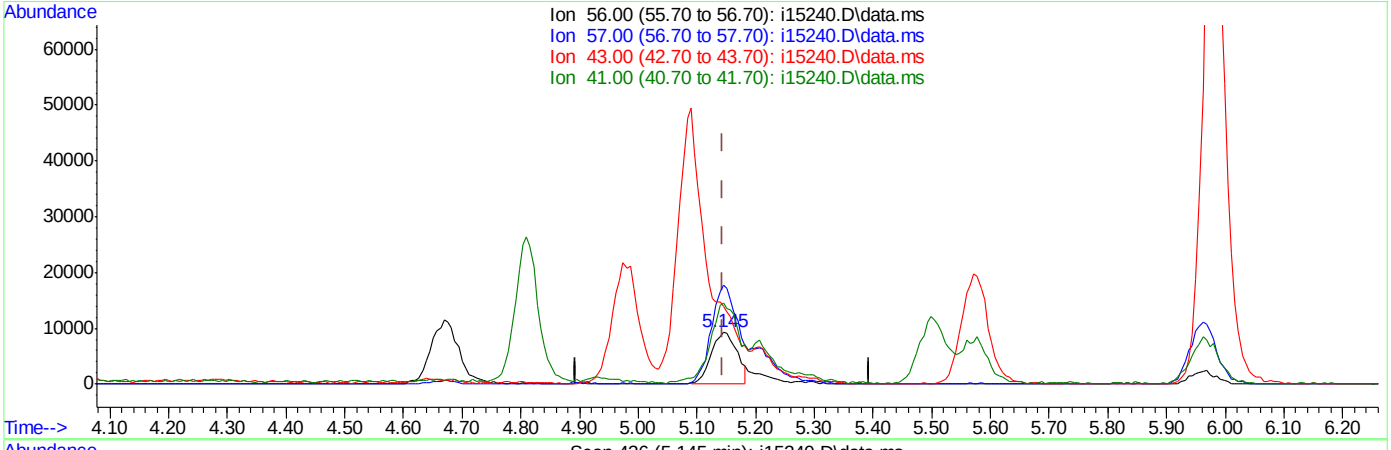
response 34644

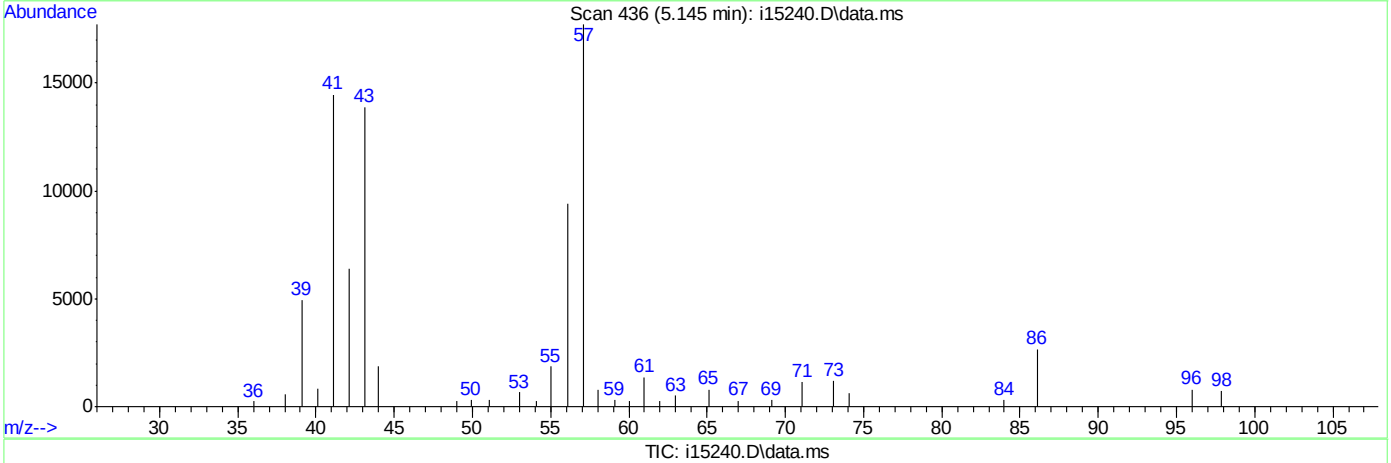
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	188.73#
43.00	185.00	133.03#
41.00	125.10	144.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15240.D
Acq On : 30 Oct 2013 2:30 pm
Operator : WILFREDO
Sample : ic195-2
Misc : ms25522,vi195,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 15:49:57 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15240.D\data.ms

(19) Hexane

5.145min (-0.000) 5.15ug/L m

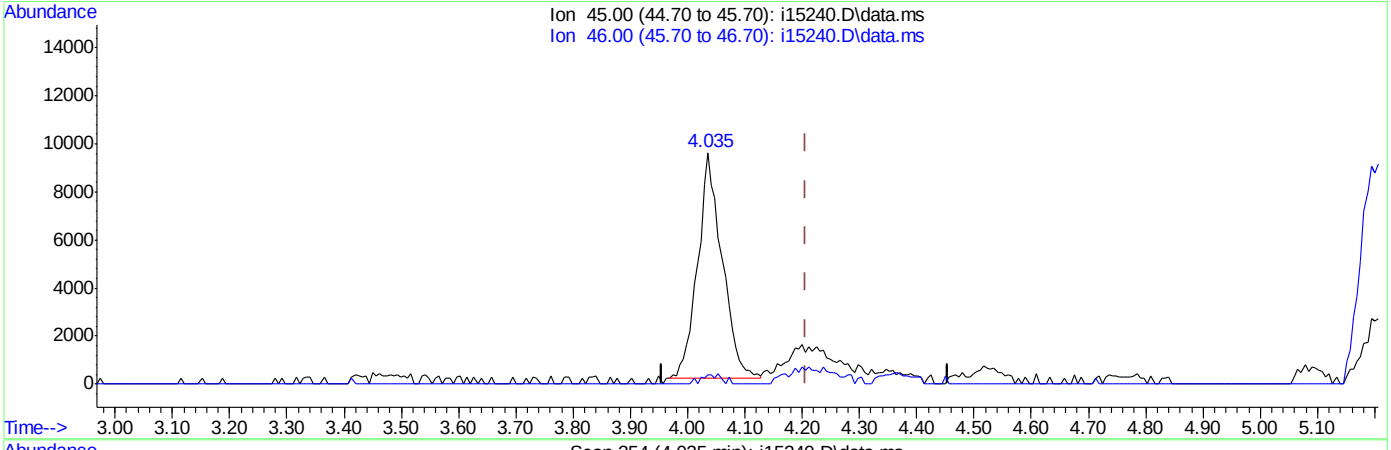
response 28422

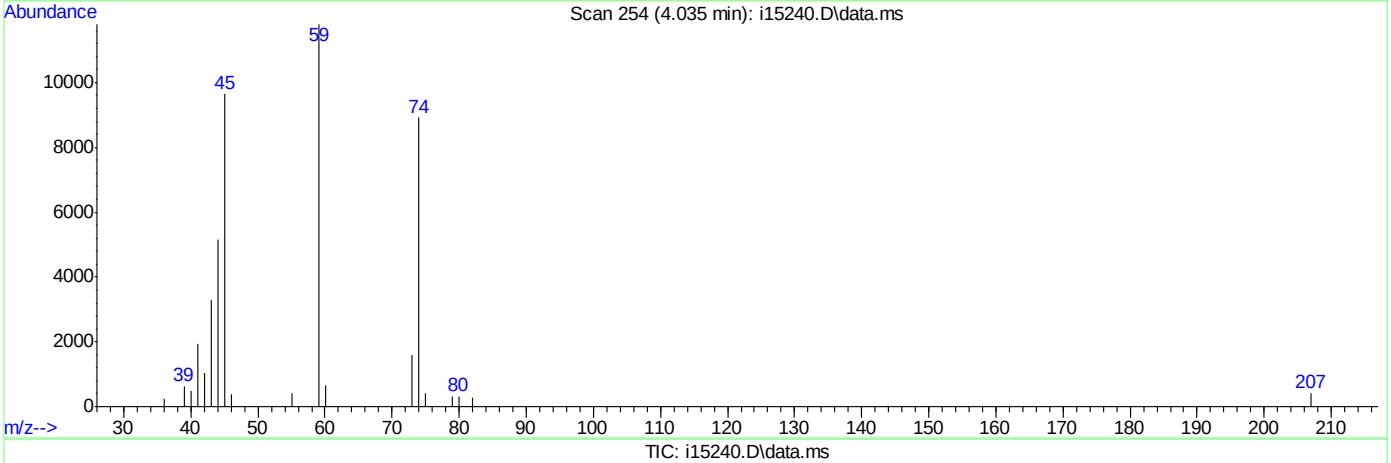
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	188.73#
43.00	185.00	147.79#
41.00	125.10	153.88#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15240.D
Acq On : 30 Oct 2013 2:30 pm
Operator : WILFREDO
Sample : ic195-2
Misc : ms25522,vi195,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 15:49:57 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15240.D\data.ms

(104) Ethanol

4.035min (-0.171) 419.31ug/L

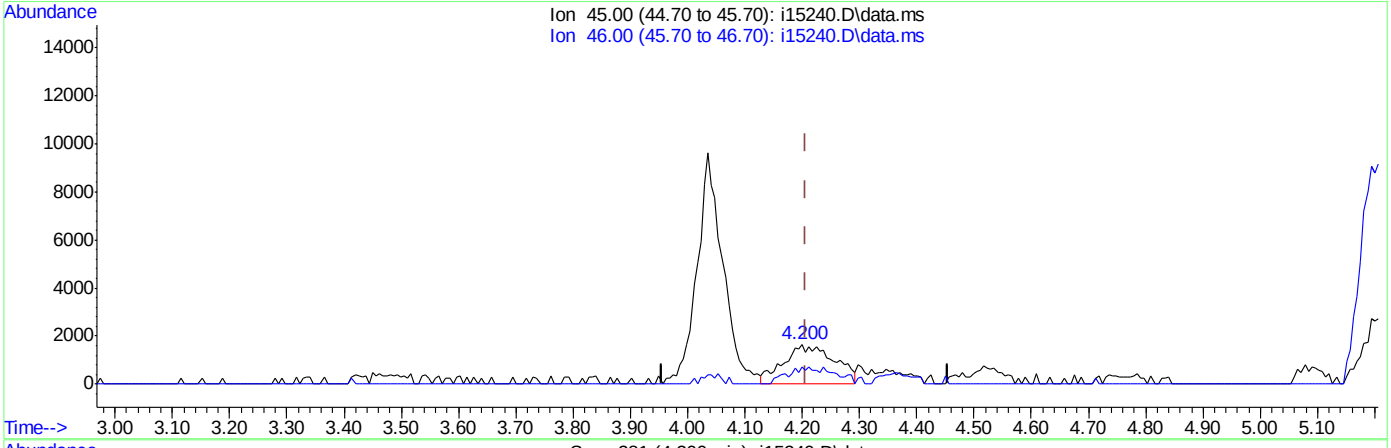
response 27730

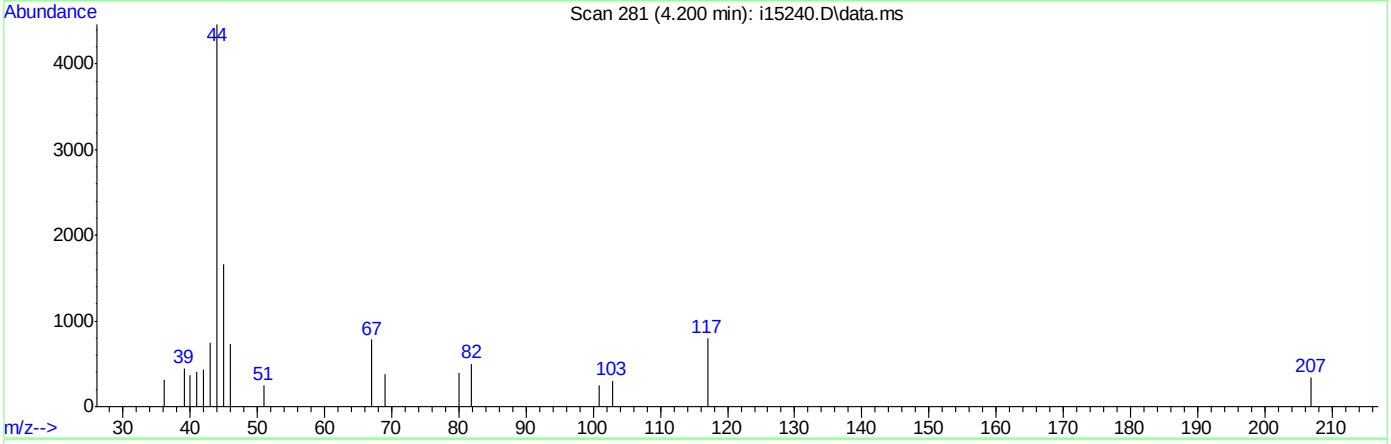
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	3.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15240.D
Acq On : 30 Oct 2013 2:30 pm
Operator : WILFREDO
Sample : ic195-2
Misc : ms25522,vi195,,,,,
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Oct 30 15:49:57 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15240.D\data.ms

(104) Ethanol

4.200min (-0.006) 145.93ug/L m

response 10126

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	43.88#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 09:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 16:03:11 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1519344	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1162632	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	585198	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	112563	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	694028	78.07	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 156.14%#			
44) 1,2-Dichloroethane-d4	7.327	65	804280	83.90	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 167.80%#			
55) Toluene-d8	9.144	98	2594782	86.90	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 173.80%#			
77) 4-Bromofluorobenzene	11.918	174	752965	79.13	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 158.26%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	149707	24.52	ug/L	64
3) Chloromethane	2.883	50	228798	23.73	ug/L	88
4) Vinyl Chloride	3.011	62	276908	24.81	ug/L	76
5) Bromomethane	3.413	94	214944	25.29	ug/L	100
6) Chloroethane	3.566	64	157526	25.59	ug/L #	100
7) Trichlorofluoromethane	3.755	101	441308m	25.51	ug/L	
8) Ethyl Ether	4.035	59	160788	20.53	ug/L #	72
9) 1,2-Dichlorotrifluoroe...	4.261	67	264859	21.33	ug/L	95
10) 1,1-Dichloroethene	4.297	61	302285	21.38	ug/L	67
11) Freon 113	4.346	101	249997	20.98	ug/L #	46
12) Carbon Disulfide	4.358	76	708042	19.42	ug/L	95
13) Iodomethane	4.474	142	396401	17.22	ug/L	77
14) Allyl chloride	4.803	41	279272	21.53	ug/L	87
15) Methylene Chloride	4.925	49	255868	23.44	ug/L	92
16) Acetone	4.974	43	281375	186.41	ug/L	82
17) Methyl acetate	5.084	43	636485m	114.29	ug/L	
18) trans-1,2-Dichloroethene	5.090	61	242674	19.80	ug/L	87
19) Hexane	5.139	56	123515m	20.53	ug/L	
20) Methyl Tert Butyl Ether	5.206	73	418317	18.81	ug/L	80
21) Acetonitrile	5.498	41	150875	261.51	ug/L	87
22) Di-isopropyl ether	5.572	45	540650	21.24	ug/L	93
23) Chloroprene	5.718	53	241661	21.80	ug/L #	96
24) 1,1-Dichloroethane	5.754	63	312128	20.50	ug/L	82
25) Acrylonitrile	5.815	53	226808	98.28	ug/L	82
26) ETBE	5.962	59	498913	19.68	ug/L	92
27) Vinyl acetate	5.974	43	1205278	97.43	ug/L	84
28) cis-1,2-Dichloroethene	6.321	96	172069	18.36	ug/L	80
29) 2,2-Dichloropropane	6.443	77	229149	18.19	ug/L	96
30) Bromochloromethane	6.529	128	87166	17.58	ug/L #	46
31) Cyclohexane	6.541	56	265066	21.04	ug/L #	46
32) Chloroform	6.583	83	323065	19.38	ug/L	78
33) Ethyl acetate	6.669	43	619611	104.59	ug/L	91
34) Tetrahydrofuran	6.760	42	34822	24.48	ug/L #	70

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 16:03:11 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	Carbon Tetrachloride	6.748	117	228111	18.58	ug/L		97
37)	1,1,1-Trichloroethane	6.821	97	257465	18.42	ug/L		89
38)	2-Butanone	6.894	43	337028	135.46	ug/L		77
39)	1,1-Dichloropropene	6.931	75	227862	19.68	ug/L		73
40)	Propionitrile	7.218	54	197102	241.28	ug/L		94
41)	Methacrylonitrile	7.236	41	987725	234.78	ug/L		91
42)	Benzene	7.193	78	658537	19.66	ug/L		76
43)	TAME	7.266	73	469759	19.03	ug/L		94
45)	1,2-Dichloroethane	7.394	62	232185	19.88	ug/L		78
46)	Trichloroethene	7.760	95	179189	18.86	ug/L	#	69
47)	Methylcyclohexane	7.760	83	286260	19.47	ug/L		87
48)	Dibromomethane	8.199	93	108718	19.33	ug/L		94
49)	1,2-Dichloropropane	8.297	63	170093	20.33	ug/L		81
50)	Bromodichloromethane	8.339	83	228653	19.89	ug/L	#	89
51)	Methyl methacrylate	8.449	41	114331	21.21	ug/L	#	66
52)	2-Chloroethyl vinyl ether	8.870	63	489650	93.55	ug/L	#	36
53)	cis-1,3-Dichloropropene	8.961	75	269489	19.48	ug/L	#	66
56)	Toluene	9.193	91	714550	19.44	ug/L		90
57)	2-Nitropropane	9.443	41	146938	106.11	ug/L	#	75
58)	4-Methyl-2-pentanone	9.552	43	656662	113.10	ug/L		87
59)	trans-1,3-Dichloropropene	9.595	75	237069	20.53	ug/L		90
60)	Tetrachloroethene	9.577	166	181455	18.06	ug/L		90
61)	Ethyl methacrylate	9.711	69	192731	22.18	ug/L		84
62)	1,1,2-Trichloroethane	9.766	83	129201	21.05	ug/L		97
63)	Dibromochloromethane	9.955	129	159530	19.15	ug/L		87
64)	1,3-Dichloropropane	10.046	76	251093	21.03	ug/L		75
65)	1,2-Dibromoethane	10.211	107	138913	18.97	ug/L		91
66)	2-hexanone	10.369	43	495792	134.23	ug/L		91
67)	1-Chlorohexane	10.650	91	240666	19.68	ug/L	#	70
68)	Ethylbenzene	10.717	91	850156	19.57	ug/L		89
69)	Chlorobenzene	10.717	112	466352	19.07	ug/L		90
70)	1,1,1,2-Tetrachloroethane	10.772	131	161078	19.10	ug/L	#	70
71)	m,p-Xylene	10.857	91	1242995	39.60	ug/L		94
72)	o-Xylene	11.296	91	573043	19.49	ug/L		91
73)	Styrene	11.351	104	469105	18.91	ug/L		87
74)	Bromoform	11.406	173	91256	17.48	ug/L		85
75)	Isopropylbenzene	11.607	105	689143	19.22	ug/L		82
78)	cis-1,4-Dichloro-2-butene	11.967	53	27207	15.32	ug/L	#	69
79)	n-Propylbenzene	12.028	91	881245	20.32	ug/L		87
80)	Bromobenzene	12.040	156	200604	18.41	ug/L		84
81)	1,1,2,2-Tetrachloroethane	12.101	83	189858m	21.96	ug/L		
82)	1,3,5-Trimethylbenzene	12.217	105	678041	19.45	ug/L		93
83)	2-Chlorotoluene	12.210	91	617966	19.95	ug/L		94
84)	trans-1,4-Dichloro-2-B...	12.284	53	32910	15.83	ug/L	#	78
85)	1,2,3-Trichloropropane	12.265	110	49851	20.62	ug/L		63
86)	Cyclohexanone	12.332	55	25254	145.38	ug/L	#	73
87)	4-Chlorotoluene	12.381	91	534783	20.23	ug/L		79
88)	tert-Butylbenzene	12.552	91	356435	19.88	ug/L		98
89)	1,2,4-Trimethylbenzene	12.625	105	685581	20.16	ug/L		95
90)	Pentachloroethane	12.601	167	108530	21.70	ug/L	#	53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 16:03:11 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	sec-Butylbenzene	12.735	105	797350	20.41	ug/L		95
92)	4-Isopropyltoluene	12.875	119	649107	19.54	ug/L		87
93)	1,3-Dichlorobenzene	12.997	146	343239	18.84	ug/L		76
94)	1,4-Dichlorobenzene	13.088	146	396120	18.91	ug/L	#	77
95)	n-Butylbenzene	13.308	92	416168	20.43	ug/L		94
96)	Benzyl Chloride	13.332	126	57789	17.65	ug/L	#	1
97)	1,2-Dichlorobenzene	13.521	146	326148	19.01	ug/L		89
98)	1,2-Dibromo-3-Chloropr...	14.277	75	25573	21.80	ug/L	#	74
99)	Hexachlorobutadiene	14.820	225	109297	17.29	ug/L		85
100)	1,2,4-Trichlorobenzene	14.868	180	230863	18.65	ug/L		86
101)	Naphthalene	15.161	128	463626	20.94	ug/L		99
102)	1,2,3-Trichlorobenzene	15.326	180	204777	20.24	ug/L		85
104)	Ethanol	4.206	45	39366m	523.75	ug/L		
105)	Acrolein	4.669	56	156879	124.85	ug/L		90
106)	Tert Butyl Alcohol	5.273	59	111683	203.73	ug/L	#	100
107)	Isobutyl alcohol	7.333	42	68644	509.64	ug/L	#	47
108)	Tert Amyl Alcohol	7.437	59	87475	194.57	ug/L	#	47
109)	1,4-Dioxane	8.528	88	23575	430.24	ug/L		87

(#) = qualifier out of range (m) = manual integration (+) = signals summed

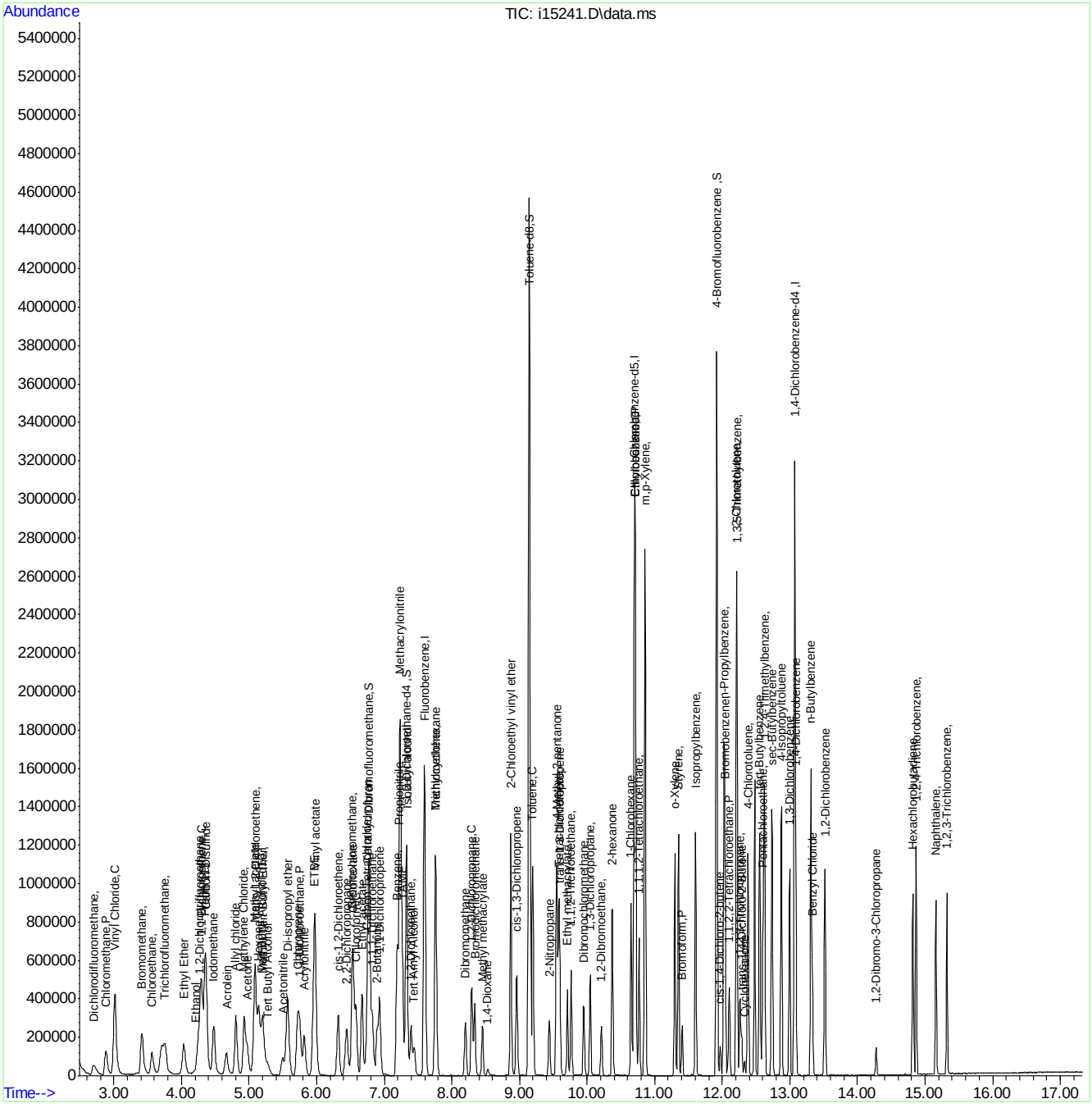
7.6.3

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 16:03:11 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Manual Integration Approval Summary

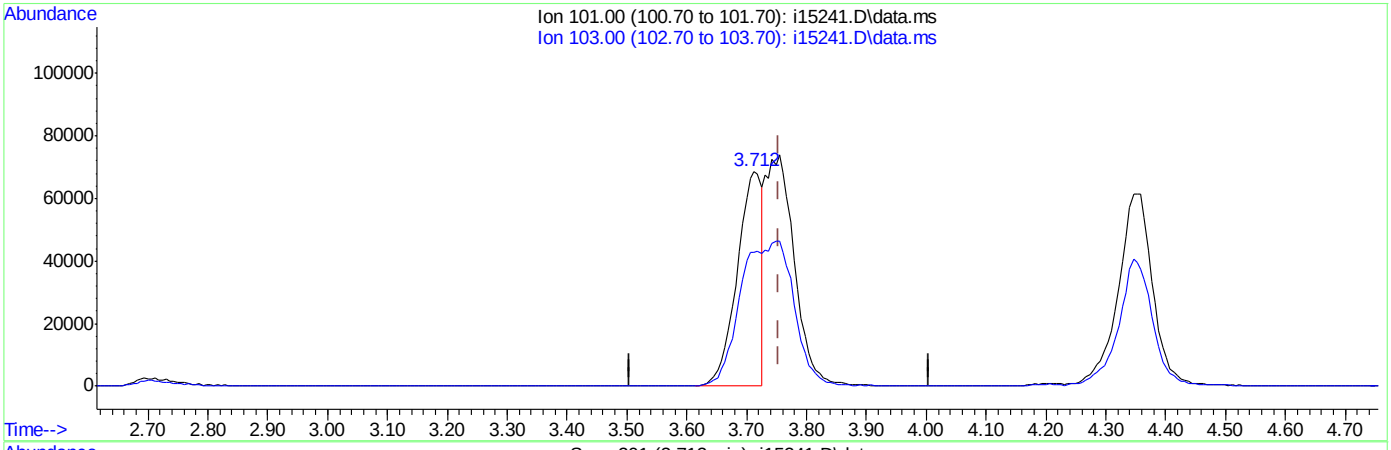
Sample Number:	VI195-IC195	**Method:**	SW846 8260B
Lab FileID:	I15241.D	**Analyst approved:**	10/31/13 16:18 Wilfredo Vazquez
Injection Time:	10/30/13 14:55	**Supervisor approved:**	11/01/13 09:56 Juan Garcia

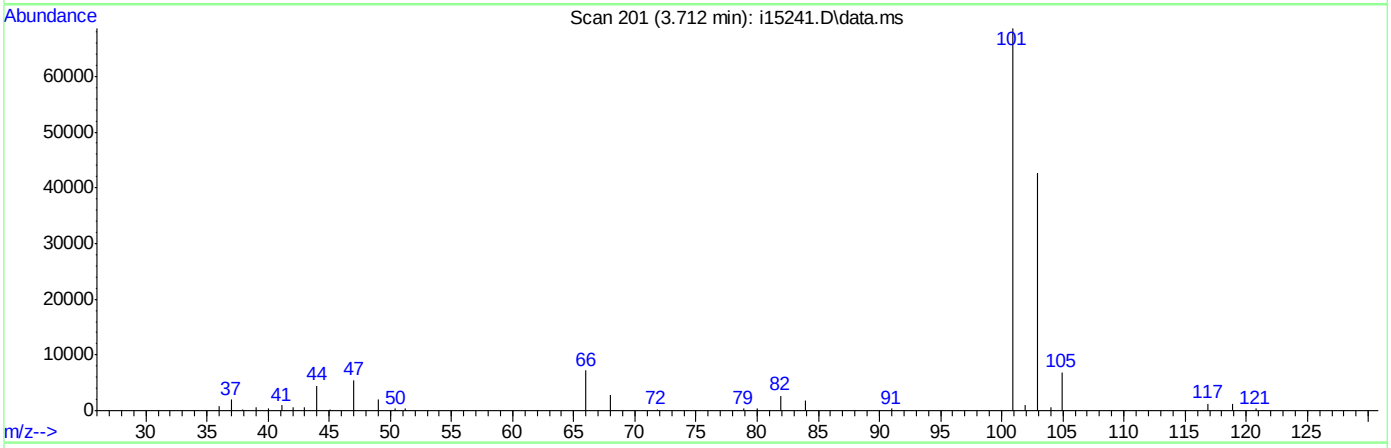
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.75	Split peak
Ethyl Alcohol	64-17-5		4.21	Missed peak
Methyl Acetate	79-20-9		5.08	Overlapping peak
Hexane	110-54-3		5.14	Overlapping peak
1,1,2,2-Tetrachloroethane	79-34-5		12.10	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 15:49:59 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15241.D\data.ms

(7) Trichlorofluoromethane ( )

3.712min (-0.043) 11.18ug/L

response 193367

Ion	Exp%	Act%
101.00	100	100
103.00	43.30	62.24
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
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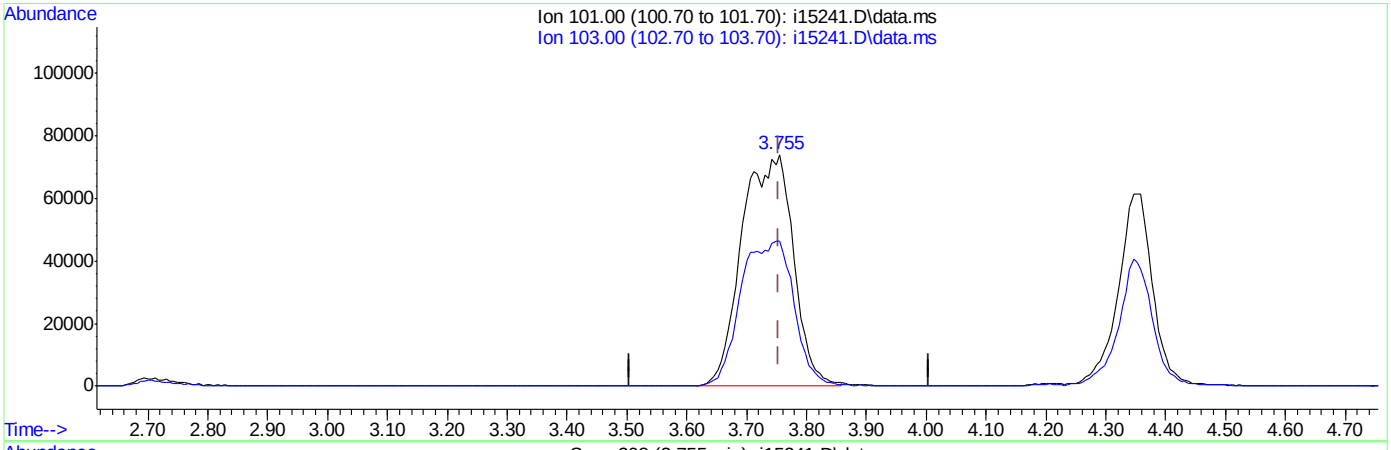
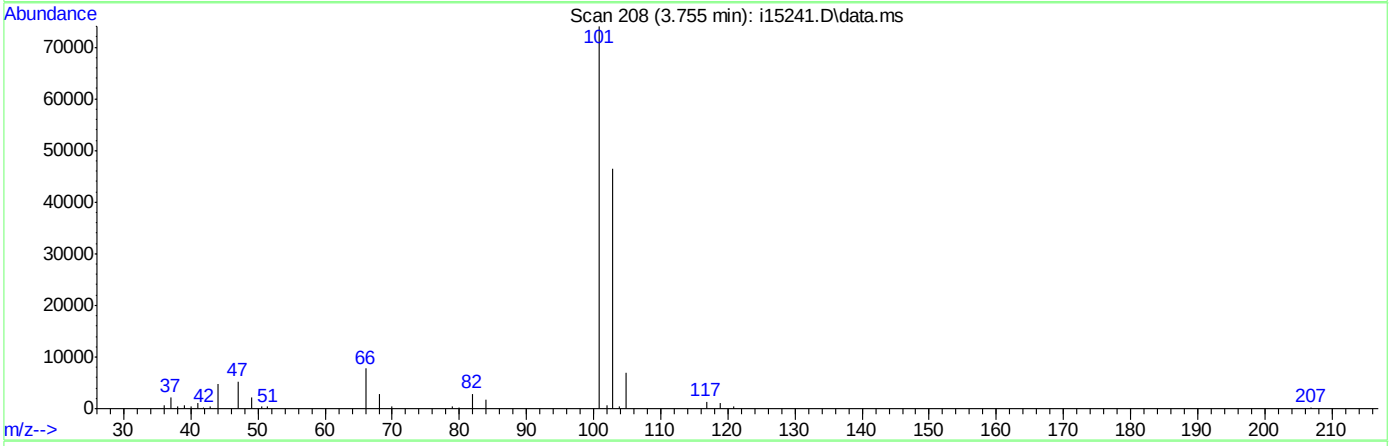




TIC: i15241.D\data.ms

(7) Trichlorofluoromethane ( )

3.755min (-0.000) 25.51ug/L m

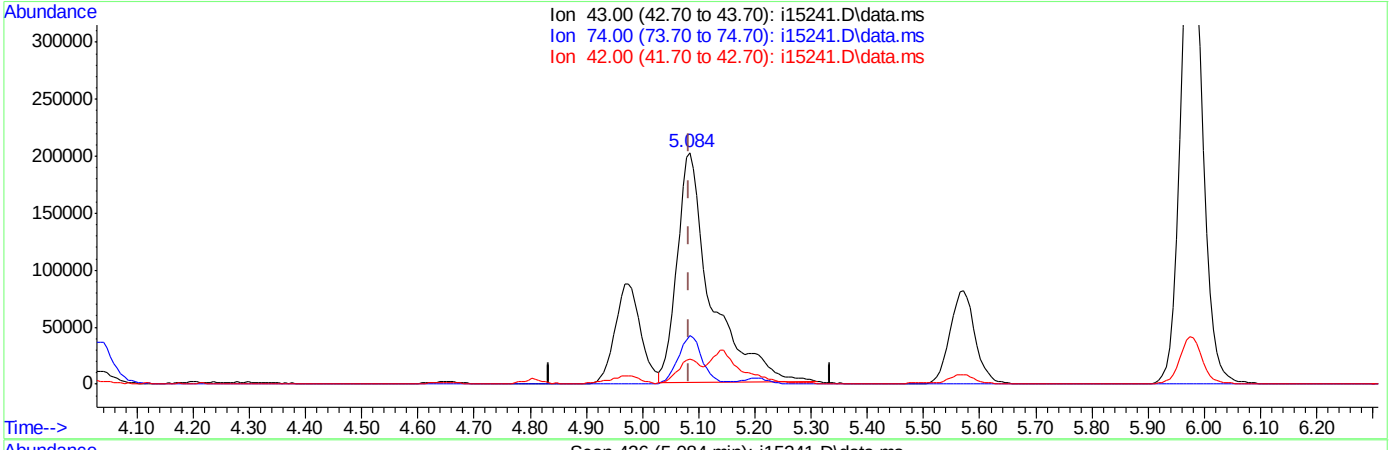
response 441308

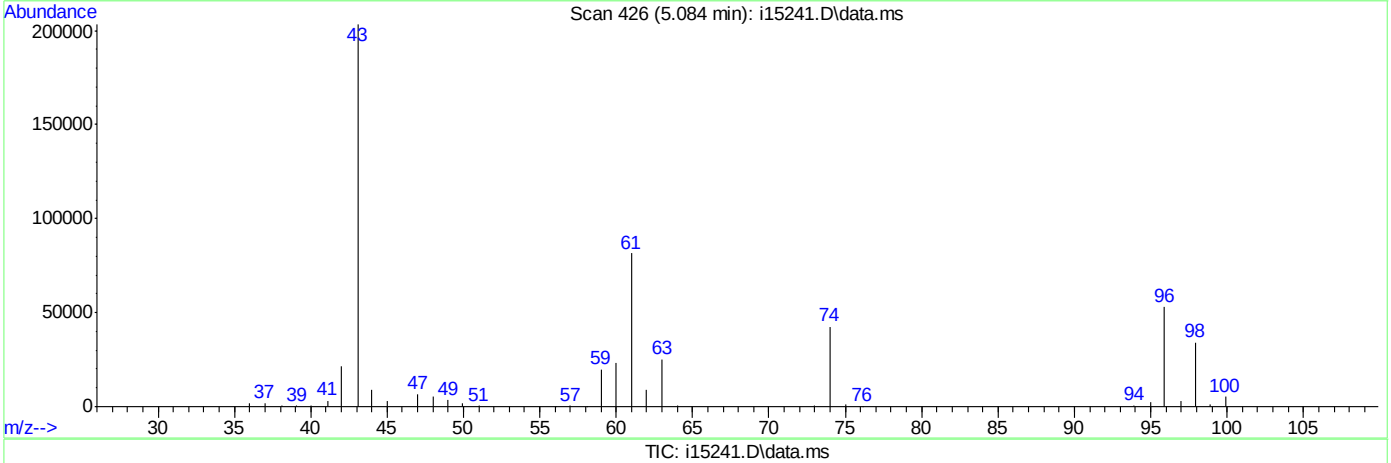
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	62.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 15:49:59 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15241.D\data.ms

(17) Methyl acetate

5.084min (-0.000) 151.39ug/L

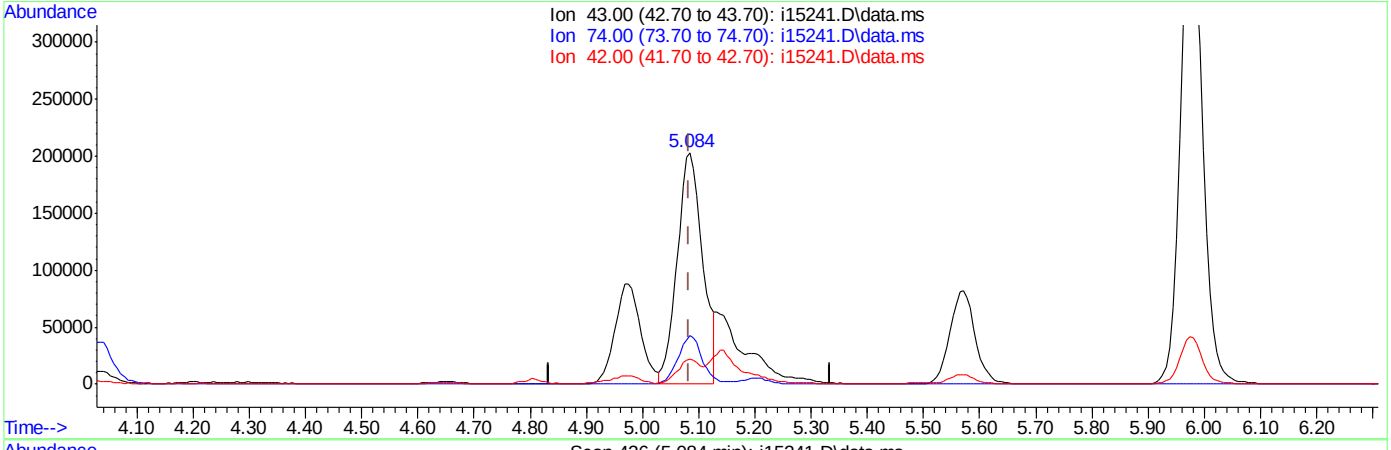
response 848644

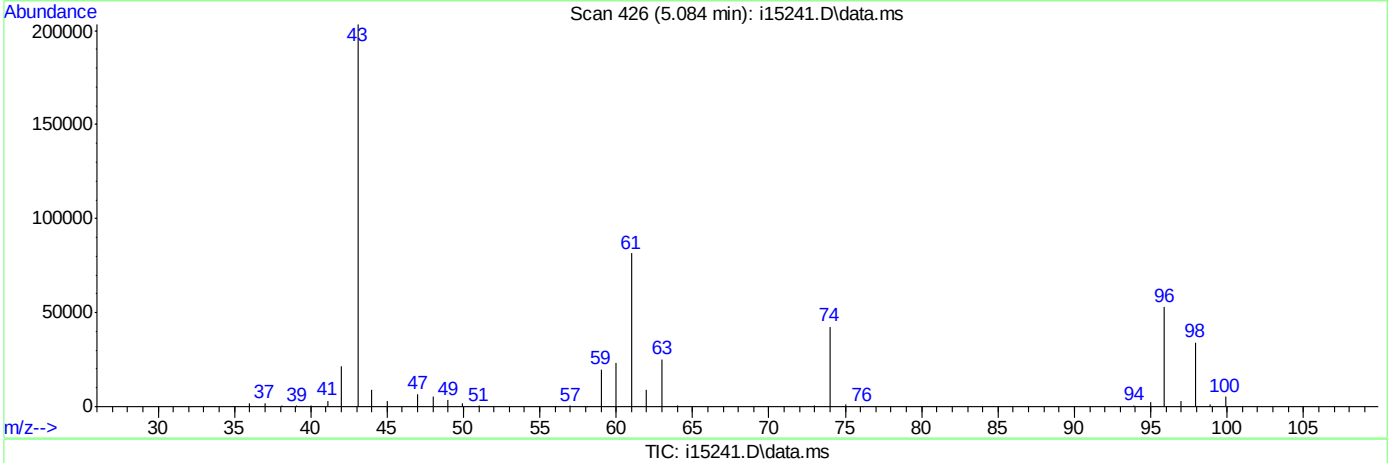
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.19
42.00	14.70	10.46
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 15:49:59 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15241.D\data.ms

(17) Methyl acetate

5.084min (-0.000) 114.29ug/L m

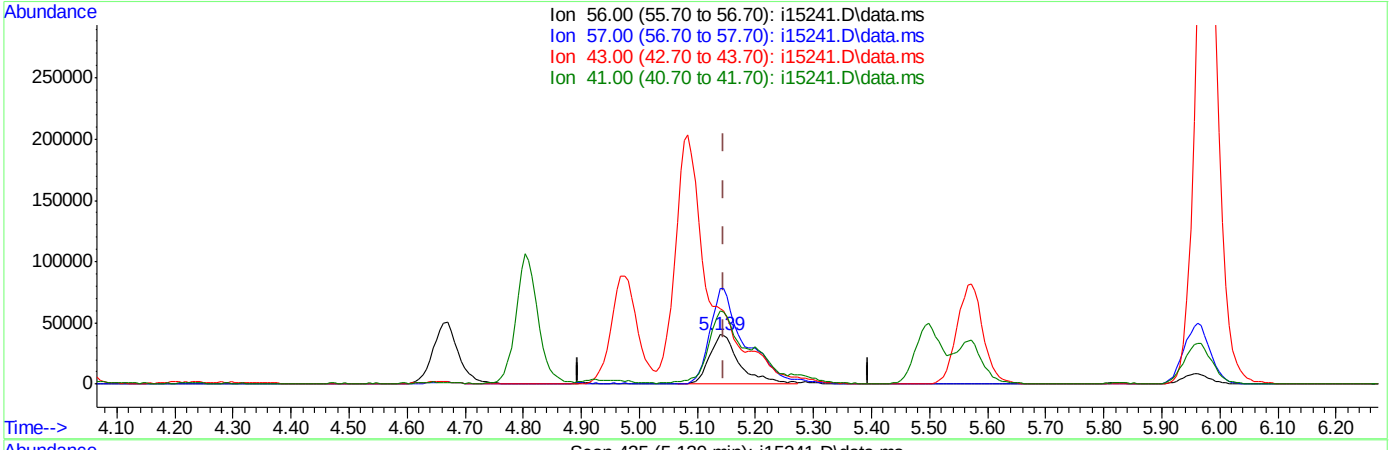
response 636485

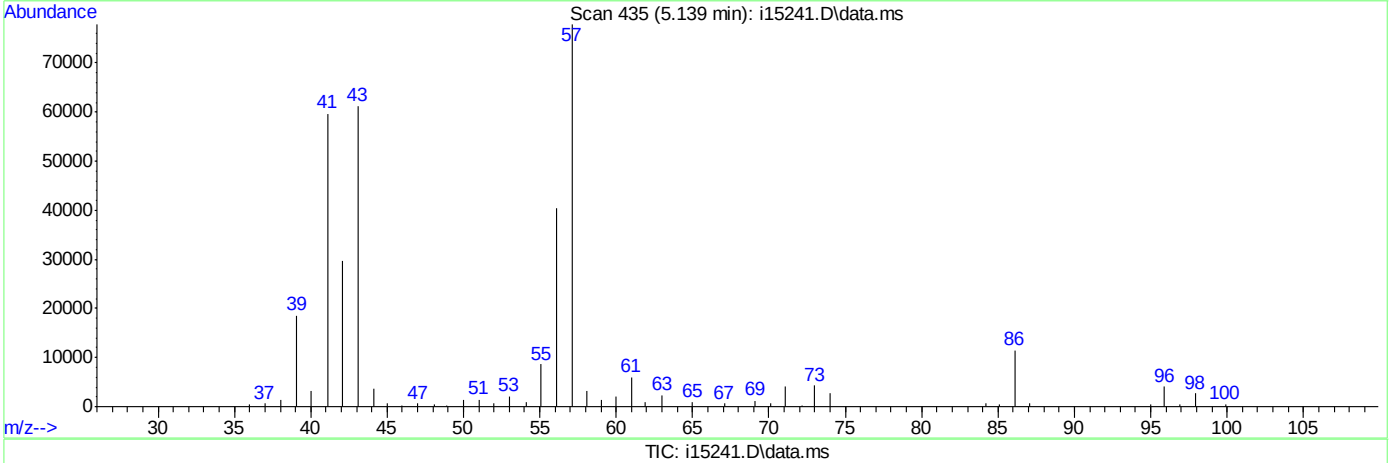
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	20.92
42.00	14.70	10.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 15:49:59 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15241.D\data.ms

(19) Hexane

5.139min (-0.006) 24.43ug/L

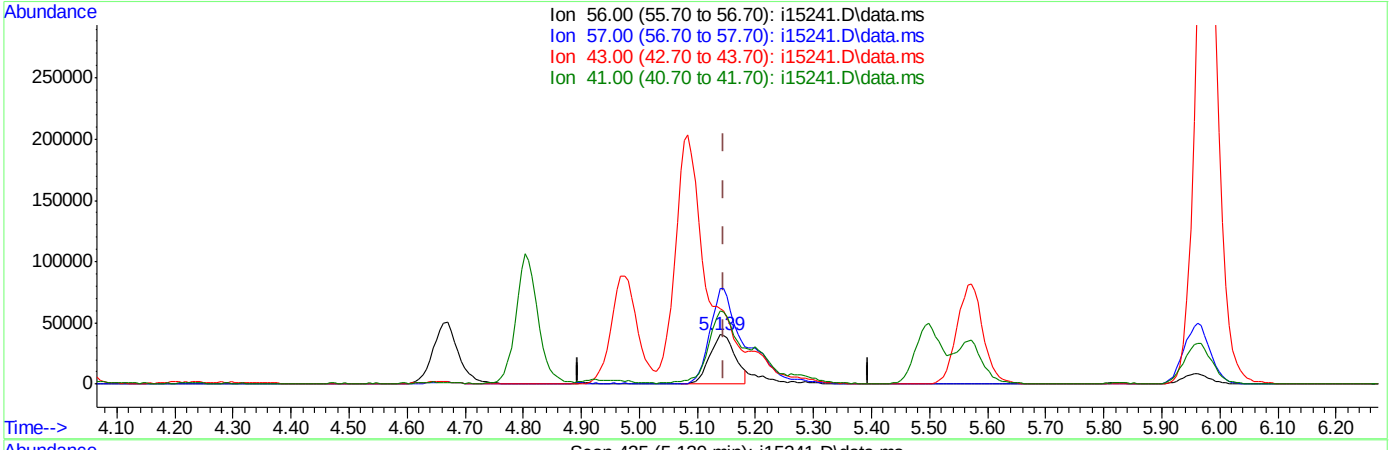
response 146962

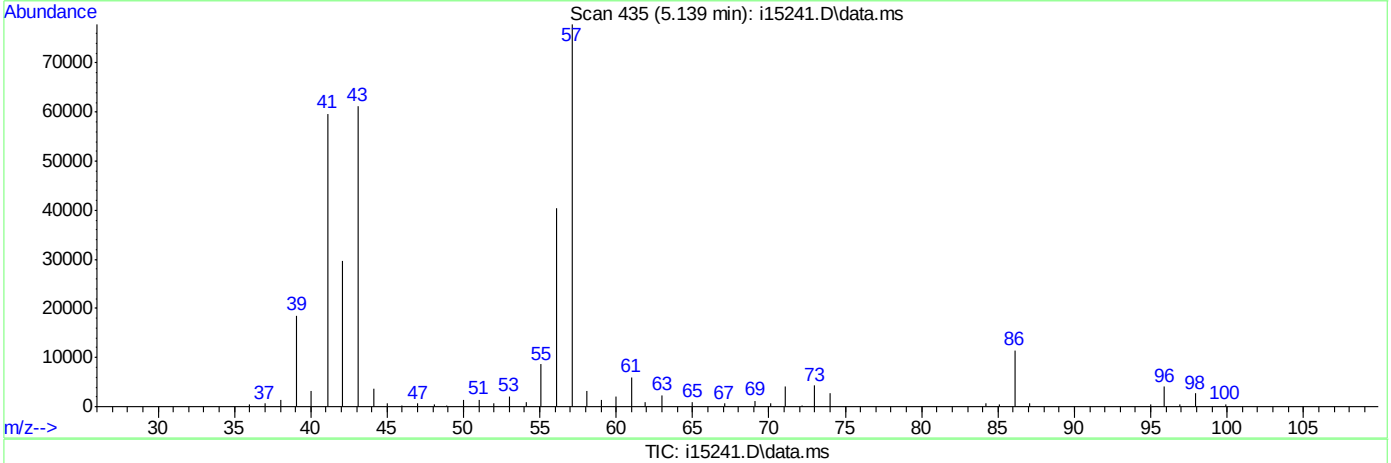
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	192.69#
43.00	185.00	137.70#
41.00	125.10	142.20

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 15:49:59 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15241.D\data.ms

(19) Hexane

5.139min (-0.006) 20.53ug/L m

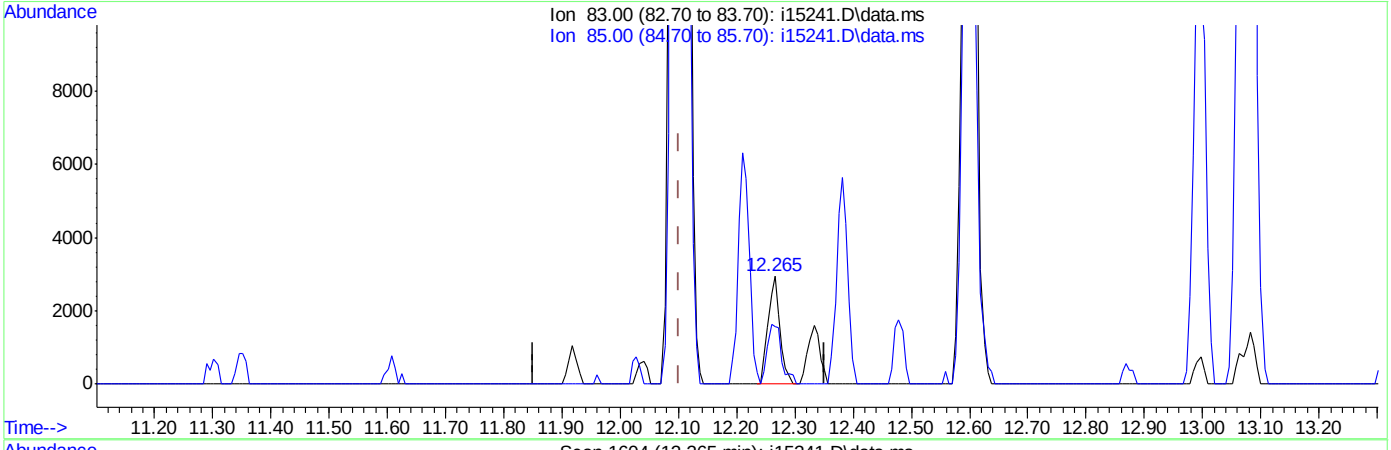
response 123515

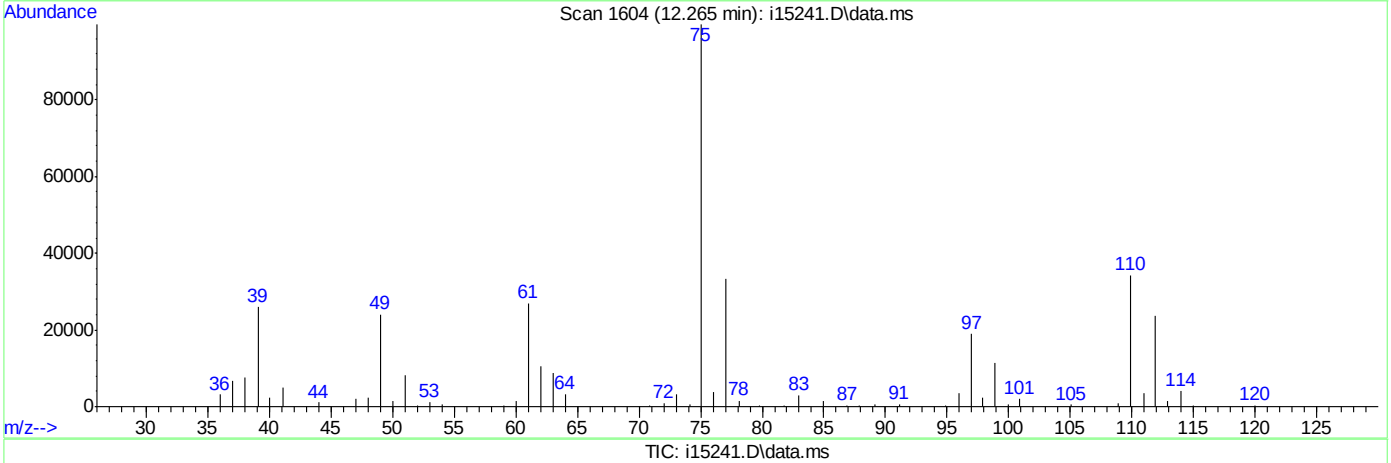
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	192.69#
43.00	185.00	151.73#
41.00	125.10	147.61#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 15:49:59 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





(81) 1,1,2,2-Tetrachloroethane (P)

12.265min (+0.164) 0.48ug/L

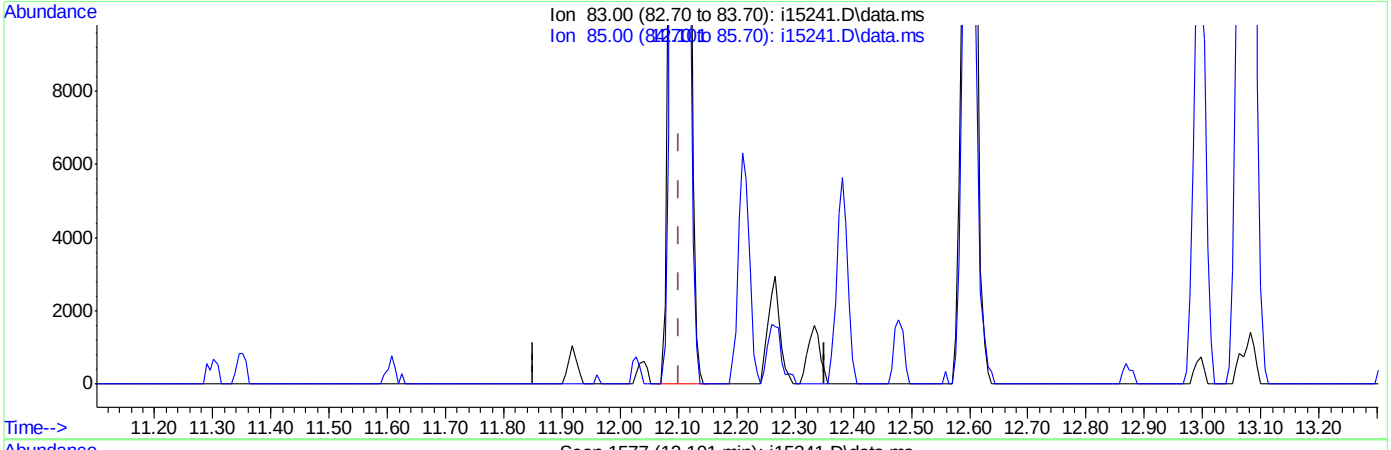
response 4143

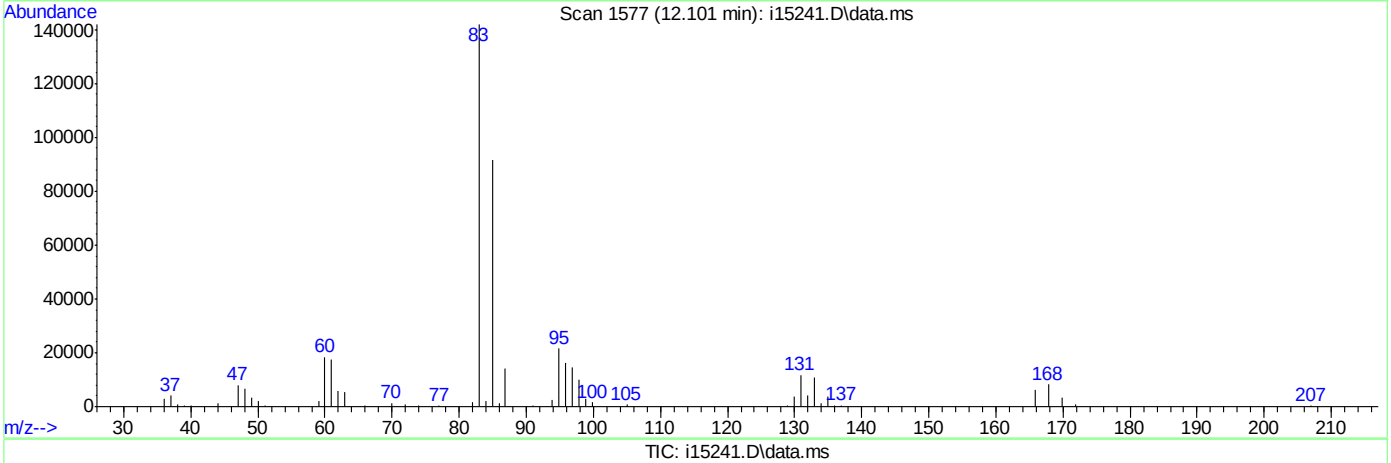
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	52.84
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 15:49:59 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15241.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.101min (-0.000) 21.96ug/L m

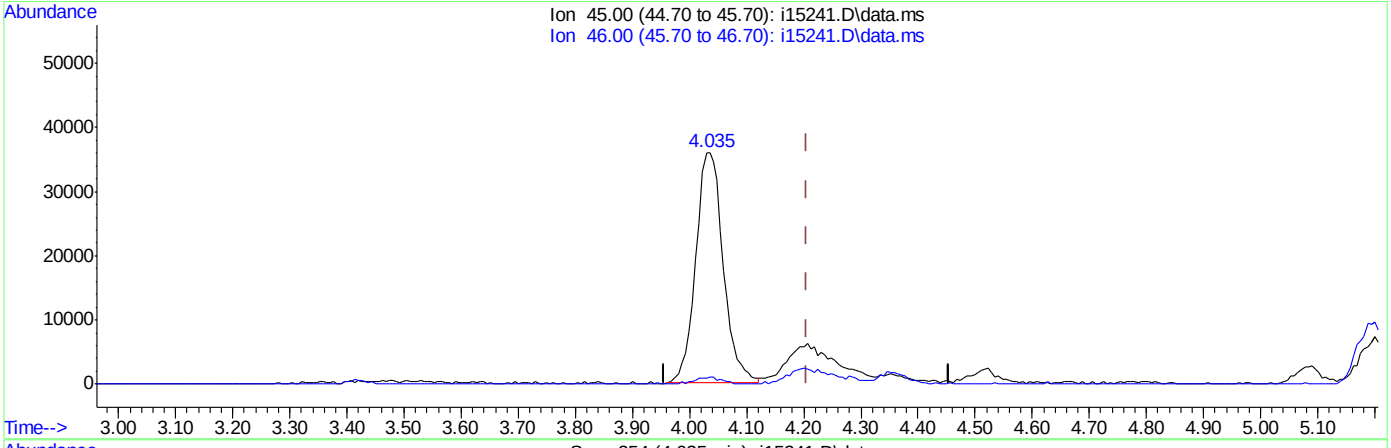
response 189858

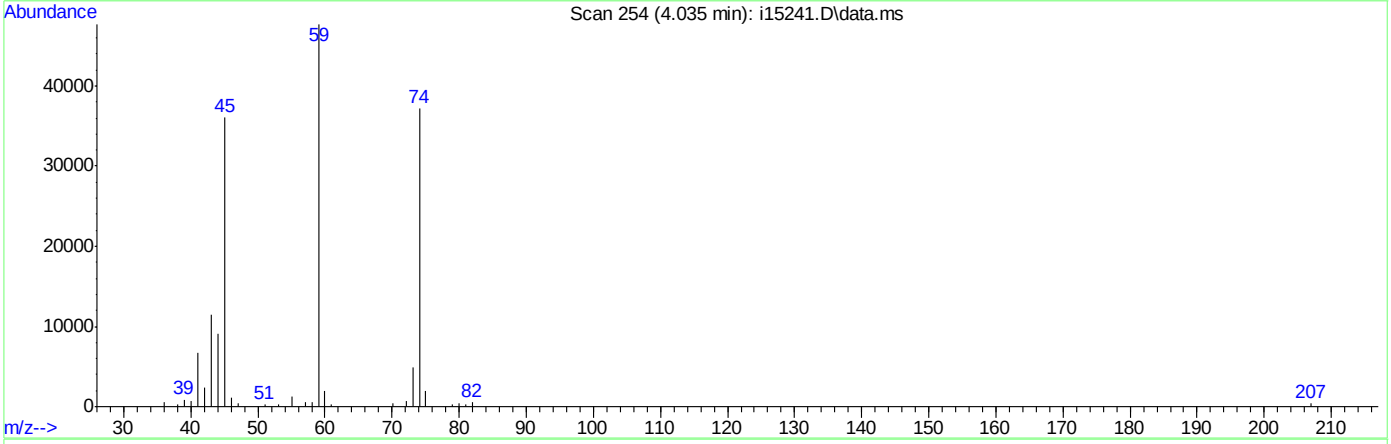
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	64.55#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 15:58:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15241.D\data.ms

(104) Ethanol

4.035min (-0.171) 2438.34ug/L

response 118847

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.99
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15241.D
Acq On : 30 Oct 2013 2:55 pm
Operator : WILFREDO
Sample : ic195-3
Misc : ms25522,vi195,,,,,
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Oct 30 15:58:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
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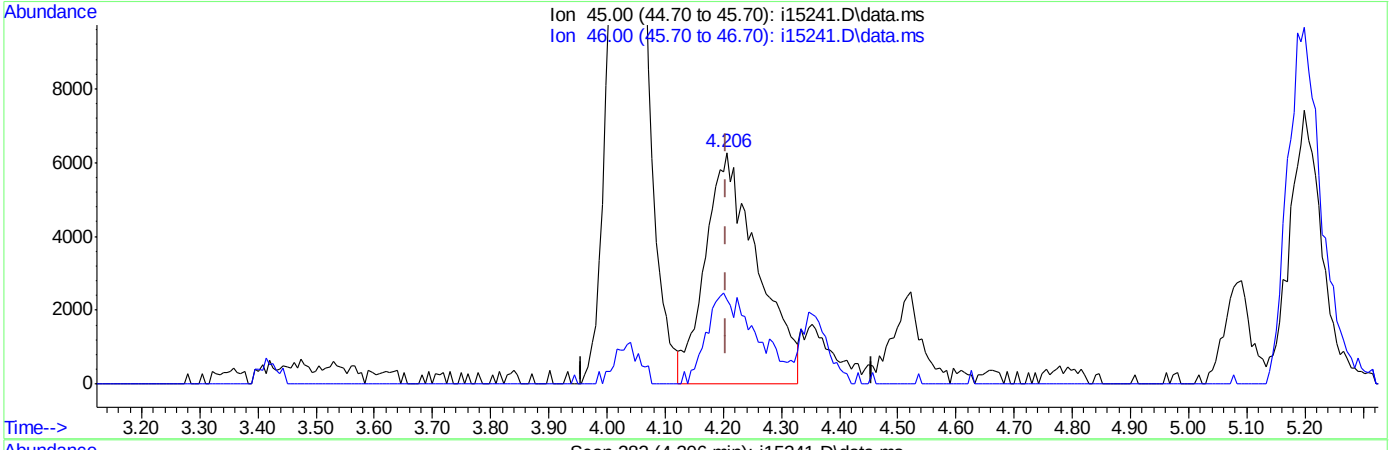
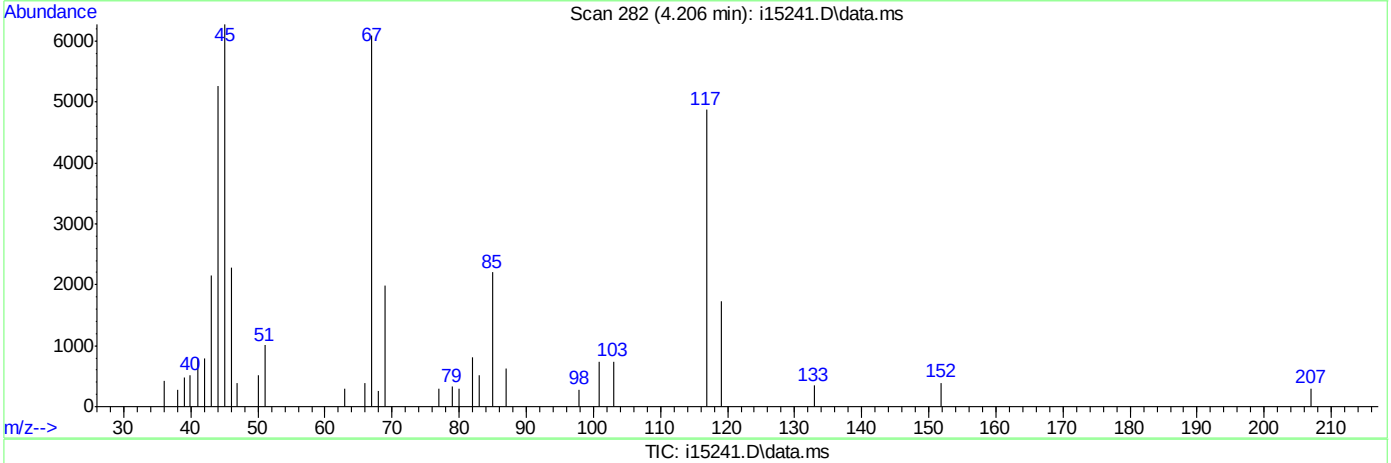




TIC: i15241.D\data.ms

(104) Ethanol

4.206min (-0.000) 523.75ug/L m

response 39366

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	36.51#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 09:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 16:02:52 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1610543	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1287618	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	652672	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.206	65	122548	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.779	113	442465	46.95	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.90%			
44) 1,2-Dichloroethane-d4	7.333	65	492843	48.50	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 97.00%			
55) Toluene-d8	9.144	98	1555936	47.05	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.10%			
77) 4-Bromofluorobenzene	11.918	174	455699	42.94	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 85.88%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	312402	48.26	ug/L #	61
3) Chloromethane	2.895	50	494076	48.34	ug/L	84
4) Vinyl Chloride	3.023	62	577687	48.82	ug/L	77
5) Bromomethane	3.426	94	440282	52.17	ug/L	100
6) Chloroethane	3.572	64	324634	55.02	ug/L #	100
7) Trichlorofluoromethane	3.755	101	946921m	51.63	ug/L	
8) Ethyl Ether	4.041	59	334660	40.31	ug/L	75
9) 1,2-Dichlorotrifluoroe...	4.273	67	518275	39.38	ug/L	93
10) 1,1-Dichloroethene	4.297	61	601629	40.15	ug/L	67
11) Freon 113	4.358	101	481964	38.15	ug/L #	47
12) Carbon Disulfide	4.364	76	1412030	36.54	ug/L	97
13) Iodomethane	4.480	142	814512	33.39	ug/L	75
14) Allyl chloride	4.810	41	582554	42.37	ug/L	86
15) Methylene Chloride	4.931	49	499990	43.20	ug/L	92
16) Acetone	4.980	43	561490	350.92	ug/L	81
17) Methyl acetate	5.090	43	1369724m	227.46	ug/L	
18) trans-1,2-Dichloroethene	5.096	61	496090	38.19	ug/L	88
19) Hexane	5.145	56	238874m	37.45	ug/L	
20) Methyl Tert Butyl Ether	5.206	73	902355	38.28	ug/L	81
21) Acetonitrile	5.498	41	308905	505.10	ug/L	85
22) Di-isopropyl ether	5.578	45	1137166	42.14	ug/L	93
23) Chloroprene	5.724	53	527361	44.88	ug/L #	92
24) 1,1-Dichloroethane	5.754	63	638600	39.56	ug/L	81
25) Acrylonitrile	5.822	53	519471	212.35	ug/L	82
26) ETBE	5.968	59	1062706	39.54	ug/L	92
27) Vinyl acetate	5.980	43	2752057	209.86	ug/L	84
28) cis-1,2-Dichloroethene	6.321	96	362281	36.47	ug/L	81
29) 2,2-Dichloropropane	6.443	77	484691	36.29	ug/L	96
30) Bromochloromethane	6.535	128	188742	35.90	ug/L #	48
31) Cyclohexane	6.541	56	538457	40.31	ug/L #	46
32) Chloroform	6.584	83	672106	38.03	ug/L	75
33) Ethyl acetate	6.675	43	1420280	222.88	ug/L	90
34) Tetrahydrofuran	6.760	42	76061	50.44	ug/L #	75

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 16:02:52 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) Carbon Tetrachloride	6.754	117	470956	36.19 ug/L	95
37) 1,1,1-Trichloroethane	6.827	97	533884	36.03 ug/L	90
38) 2-Butanone	6.894	43	707781	268.37 ug/L	77
39) 1,1-Dichloropropene	6.937	75	456781	37.22 ug/L	74
40) Propionitrile	7.224	54	413085	477.03 ug/L #	76
41) Methacrylonitrile	7.236	41	2104074	471.82 ug/L	91
42) Benzene	7.193	78	1354677	38.16 ug/L	75
43) TAME	7.266	73	1012566	38.70 ug/L	93
45) 1,2-Dichloroethane	7.400	62	469552	37.92 ug/L	76
46) Trichloroethene	7.760	95	366919	36.43 ug/L #	71
47) Methylcyclohexane	7.760	83	594457	38.13 ug/L	90
48) Dibromomethane	8.199	93	229127	38.43 ug/L	92
49) 1,2-Dichloropropane	8.297	63	356724	40.22 ug/L	82
50) Bromodichloromethane	8.339	83	484780	39.79 ug/L	92
51) Methyl methacrylate	8.449	41	249902	43.73 ug/L #	66
52) 2-Chloroethyl vinyl ether	8.876	63	1063909	191.76 ug/L #	36
53) cis-1,3-Dichloropropene	8.961	75	589324	40.19 ug/L #	67
56) Toluene	9.199	91	1492057	36.65 ug/L	91
57) 2-Nitropropane	9.443	41	332284	208.62 ug/L #	72
58) 4-Methyl-2-pentanone	9.553	43	1409212	219.16 ug/L	87
59) trans-1,3-Dichloropropene	9.595	75	514201	40.20 ug/L	90
60) Tetrachloroethene	9.583	166	422787	37.99 ug/L	87
61) Ethyl methacrylate	9.711	69	426148	44.28 ug/L	86
62) 1,1,2-Trichloroethane	9.766	83	268218	39.47 ug/L	97
63) Dibromochloromethane	9.955	129	364674	39.53 ug/L	87
64) 1,3-Dichloropropane	10.046	76	526175	39.79 ug/L	74
65) 1,2-Dibromoethane	10.211	107	305274	37.65 ug/L	95
66) 2-hexanone	10.369	43	1076997	263.28 ug/L	91
67) 1-Chlorohexane	10.650	91	506370	37.38 ug/L #	71
68) Ethylbenzene	10.717	91	1832792	38.10 ug/L	90
69) Chlorobenzene	10.717	112	1029199	37.99 ug/L	89
70) 1,1,1,2-Tetrachloroethane	10.772	131	352255	37.72 ug/L	74
71) m,p-Xylene	10.857	91	2706115	77.84 ug/L	96
72) o-Xylene	11.296	91	1227351	37.69 ug/L	91
73) Styrene	11.351	104	1066194	38.81 ug/L	86
74) Bromoform	11.406	173	213382	35.36 ug/L	85
75) Isopropylbenzene	11.607	105	1501797	37.81 ug/L	83
78) cis-1,4-Dichloro-2-butene	11.973	53	68668	34.68 ug/L #	70
79) n-Propylbenzene	12.028	91	1913428	39.55 ug/L	87
80) Bromobenzene	12.040	156	454324	37.39 ug/L	86
81) 1,1,2,2-Tetrachloroethane	12.101	83	401240m	41.62 ug/L	
82) 1,3,5-Trimethylbenzene	12.217	105	1521772	39.15 ug/L	92
83) 2-Chlorotoluene	12.211	91	1352128	39.15 ug/L	96
84) trans-1,4-Dichloro-2-B...	12.290	53	81796	35.27 ug/L #	81
85) 1,2,3-Trichloropropane	12.265	110	106327	39.44 ug/L	72
86) Cyclohexanone	12.332	55	56544	291.85 ug/L #	73
87) 4-Chlorotoluene	12.381	91	1138610	38.63 ug/L	79
88) tert-Butylbenzene	12.552	91	750537	37.53 ug/L	98
89) 1,2,4-Trimethylbenzene	12.625	105	1507654	39.74 ug/L	95
90) Pentachloroethane	12.601	167	215180	38.58 ug/L #	53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 16:02:52 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	sec-Butylbenzene	12.735	105	1718675	39.45	ug/L		96
92)	4-Isopropyltoluene	12.875	119	1436211	38.76	ug/L		86
93)	1,3-Dichlorobenzene	12.997	146	749203	36.87	ug/L		78
94)	1,4-Dichlorobenzene	13.088	146	878142	37.59	ug/L	#	76
95)	n-Butylbenzene	13.308	92	898943	39.56	ug/L		94
96)	Benzyl Chloride	13.332	126	140355	37.28	ug/L	#	1
97)	1,2-Dichlorobenzene	13.521	146	718469	37.54	ug/L		89
98)	1,2-Dibromo-3-Chloropr...	14.277	75	56282	43.02	ug/L	#	64
99)	Hexachlorobutadiene	14.820	225	233860	33.16	ug/L		85
100)	1,2,4-Trichlorobenzene	14.869	180	518792	37.58	ug/L		85
101)	Naphthalene	15.161	128	1065969	43.17	ug/L		99
102)	1,2,3-Trichlorobenzene	15.326	180	463694	41.09	ug/L		88
104)	Ethanol	4.206	45	74824m	1002.52	ug/L		
105)	Acrolein	4.669	56	301725	220.56	ug/L		89
106)	Tert Butyl Alcohol	5.279	59	229310	384.21	ug/L	#	100
107)	Isobutyl alcohol	7.327	42	142930	974.71	ug/L	#	37
108)	Tert Amyl Alcohol	7.443	59	196134	400.71	ug/L		49
109)	1,4-Dioxane	8.528	88	52274	876.27	ug/L		93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

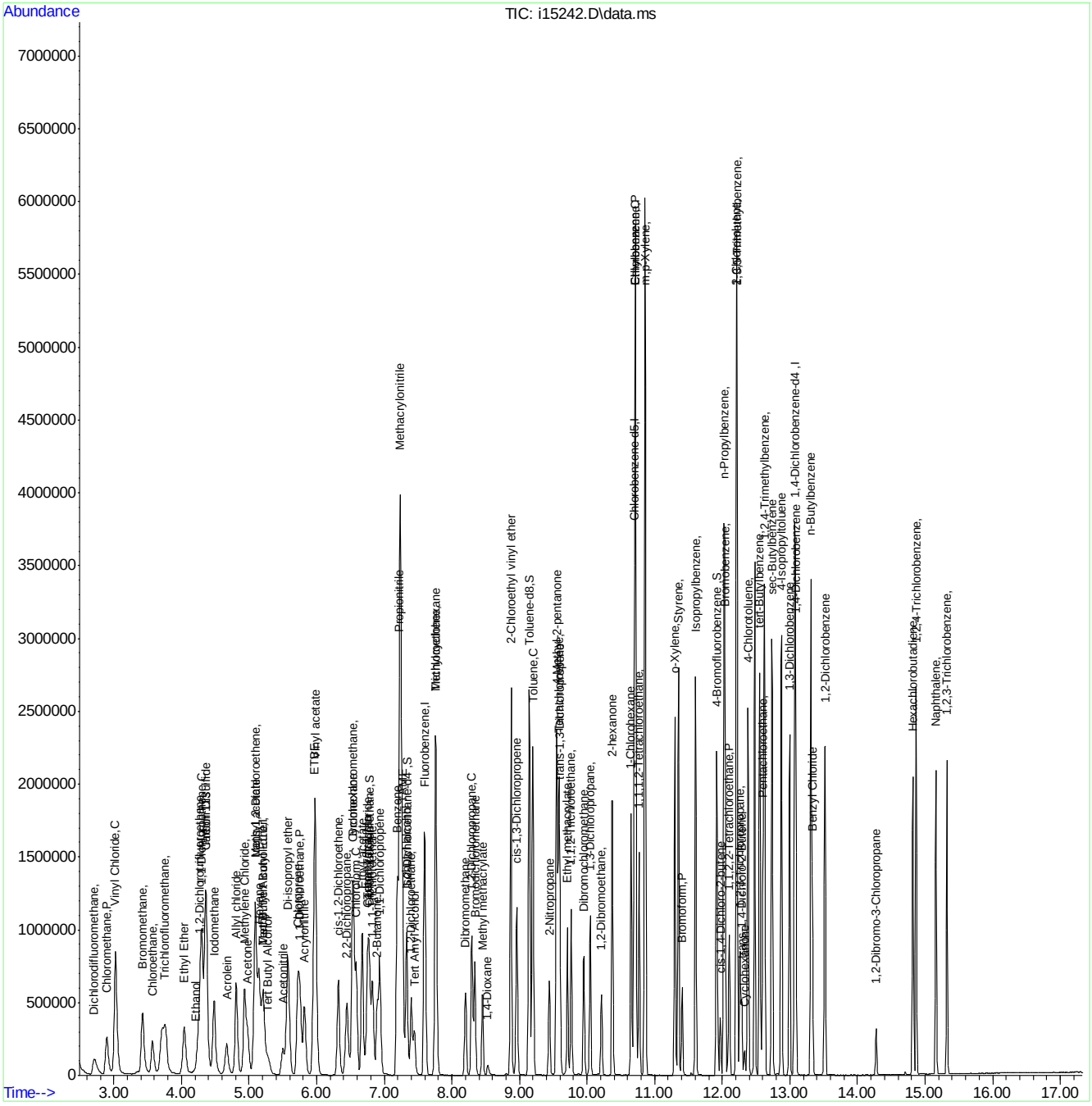
7.6.4

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 16:02:52 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Manual Integration Approval Summary

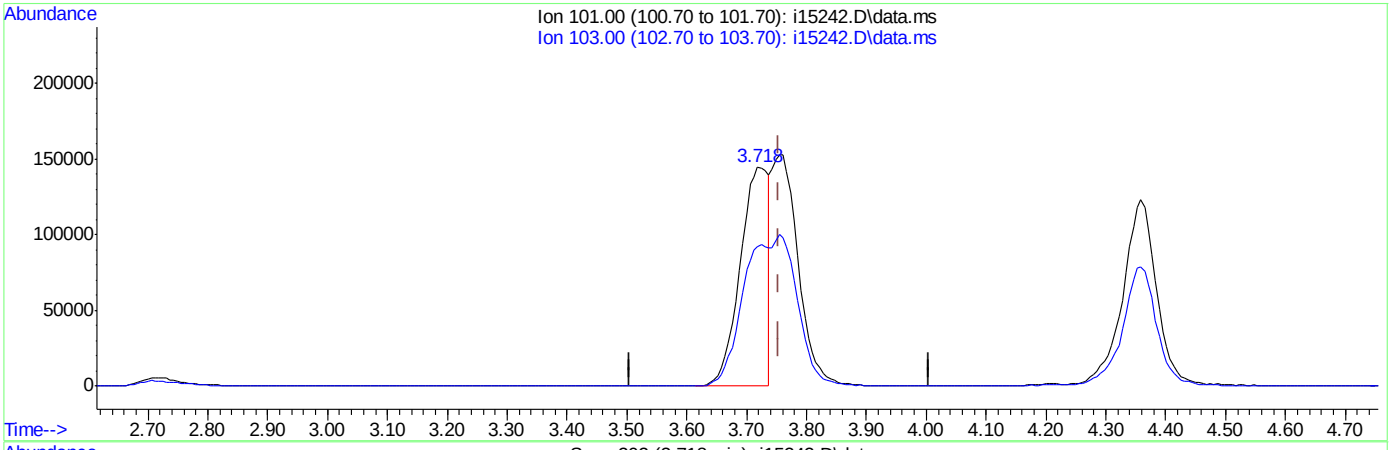
Sample Number: VI195-ICC195
Lab FileID: I15242.D
Injection Time: 10/30/13 15:19
Method: SW846 8260B
Analyst approved: 10/31/13 16:18 Wilfredo Vazquez
Supervisor approved: 11/01/13 09:56 Juan Garcia

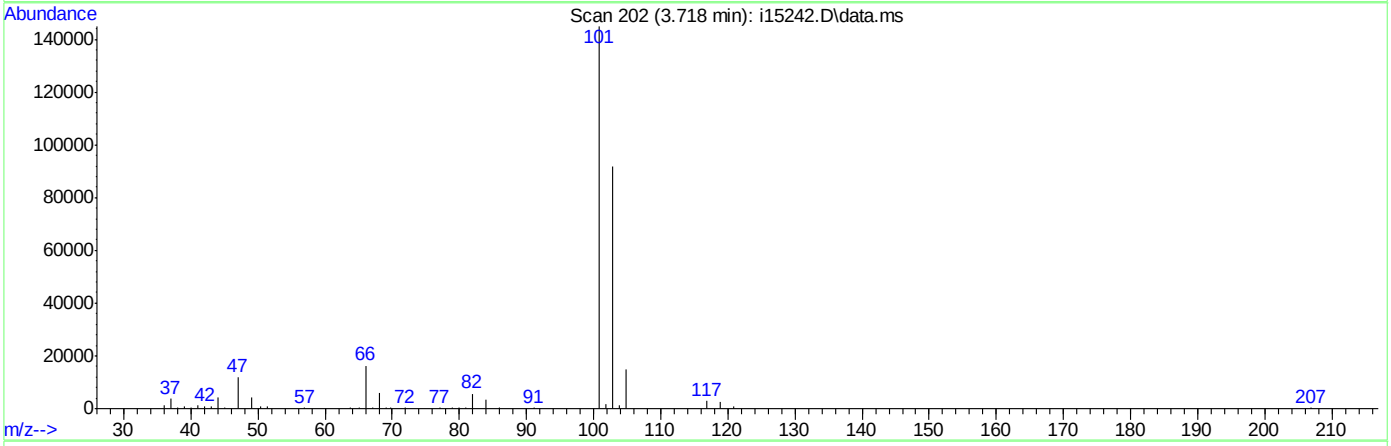
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.75	Split peak
Ethyl Alcohol	64-17-5		4.21	Missed peak
Methyl Acetate	79-20-9		5.09	Overlapping peak
Hexane	110-54-3		5.14	Overlapping peak
1,1,2,2-Tetrachloroethane	79-34-5		12.10	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 15:50:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15242.D\data.ms

(7) Trichlorofluoromethane ( )

3.718min (-0.037) 25.95ug/L

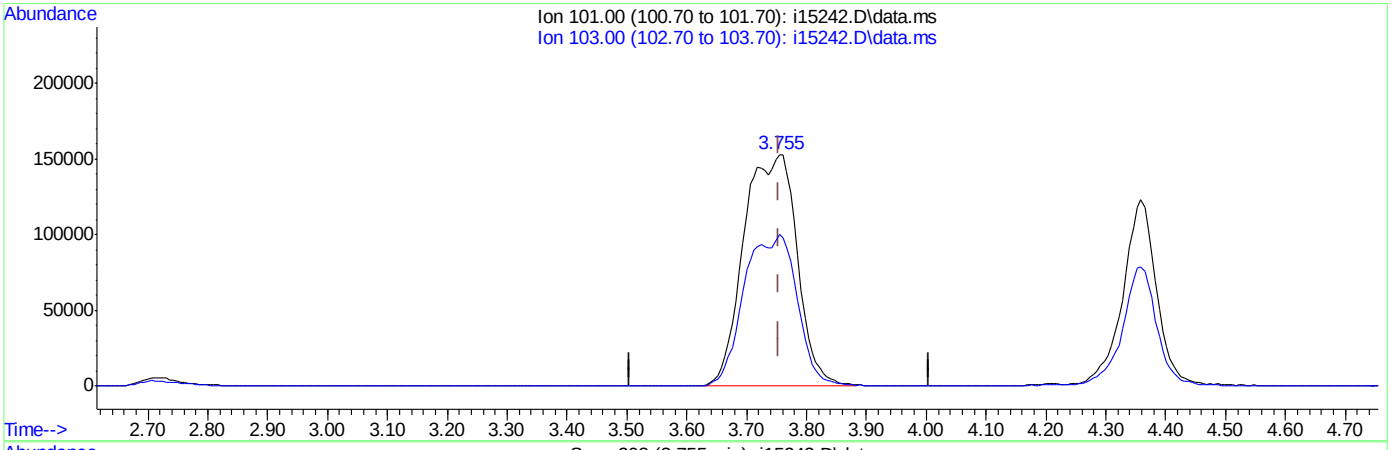
response 476005

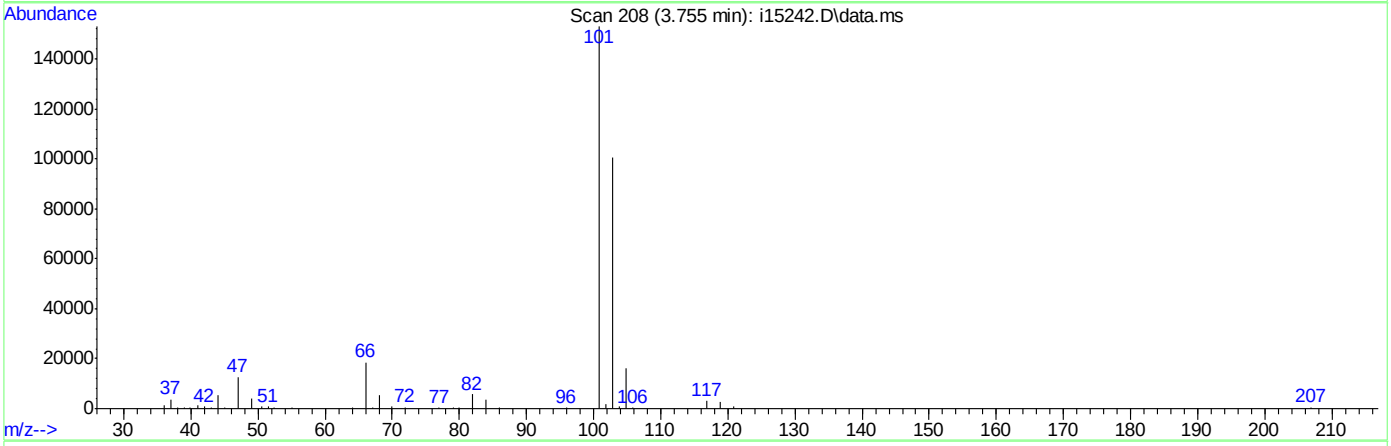
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	63.41
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 15:50:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15242.D\data.ms

(7) Trichlorofluoromethane ( )

3.755min (-0.000) 51.63ug/L m

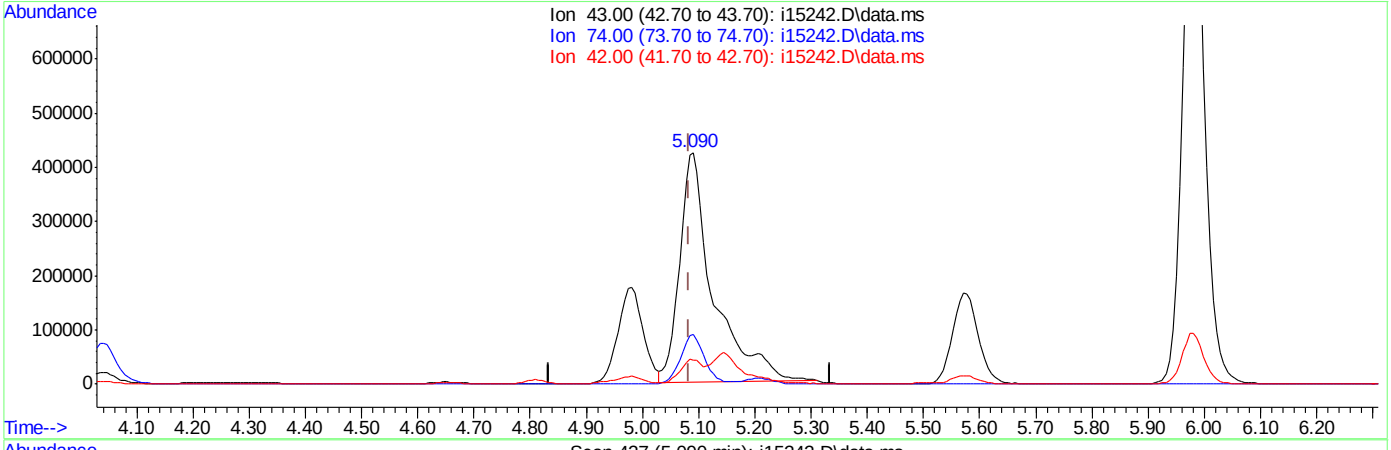
response 946921

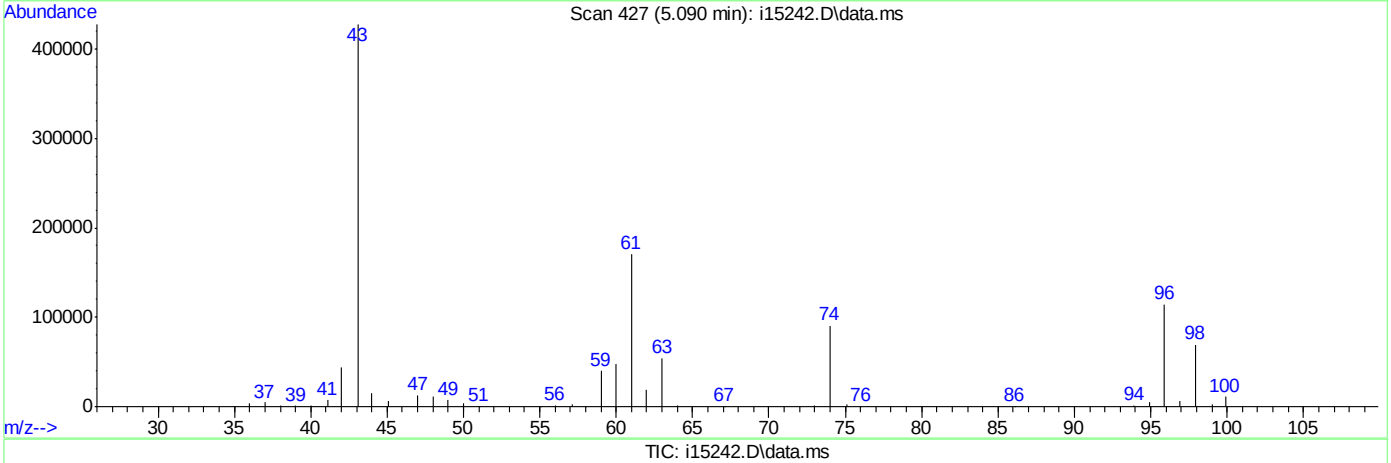
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	65.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 15:50:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15242.D\data.ms

(17) Methyl acetate

5.090min (+0.006) 291.80ug/L

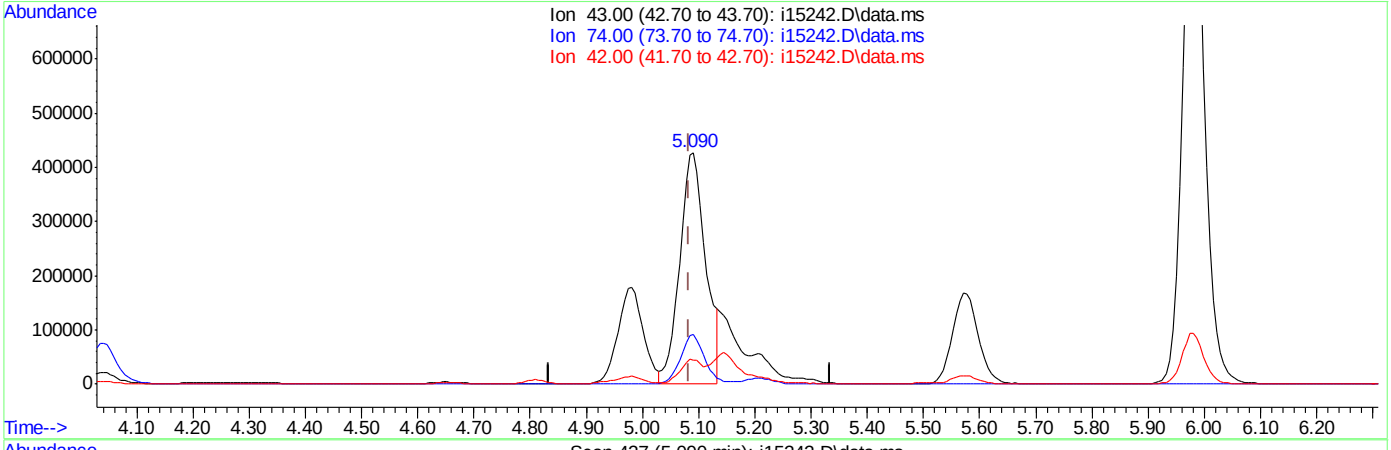
response 1776780

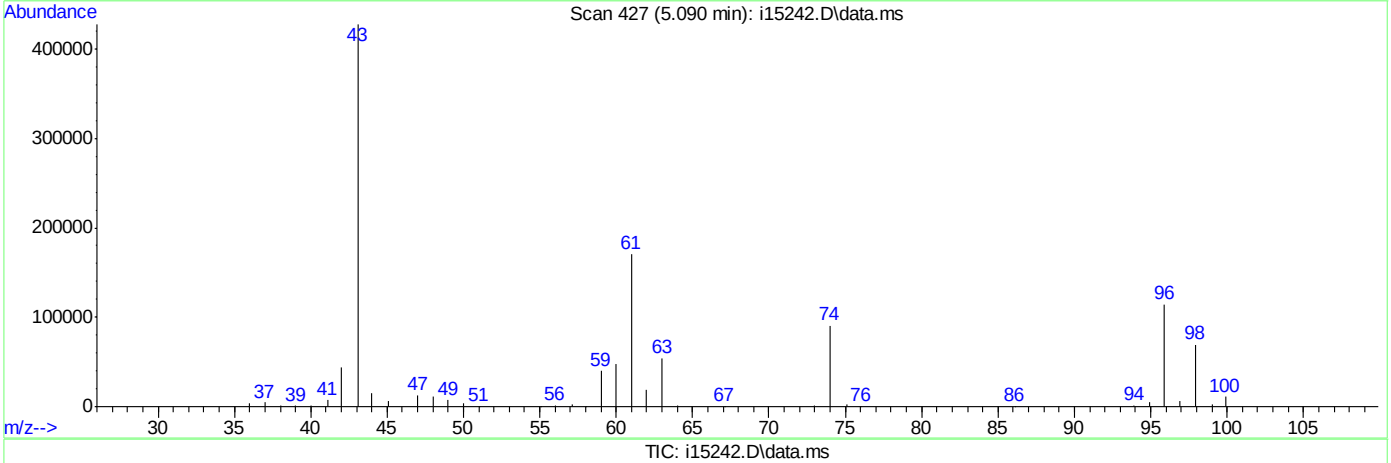
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.55
42.00	14.70	10.13
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 15:50:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15242.D\data.ms

(17) Methyl acetate

5.090min (+0.006) 227.46ug/L m

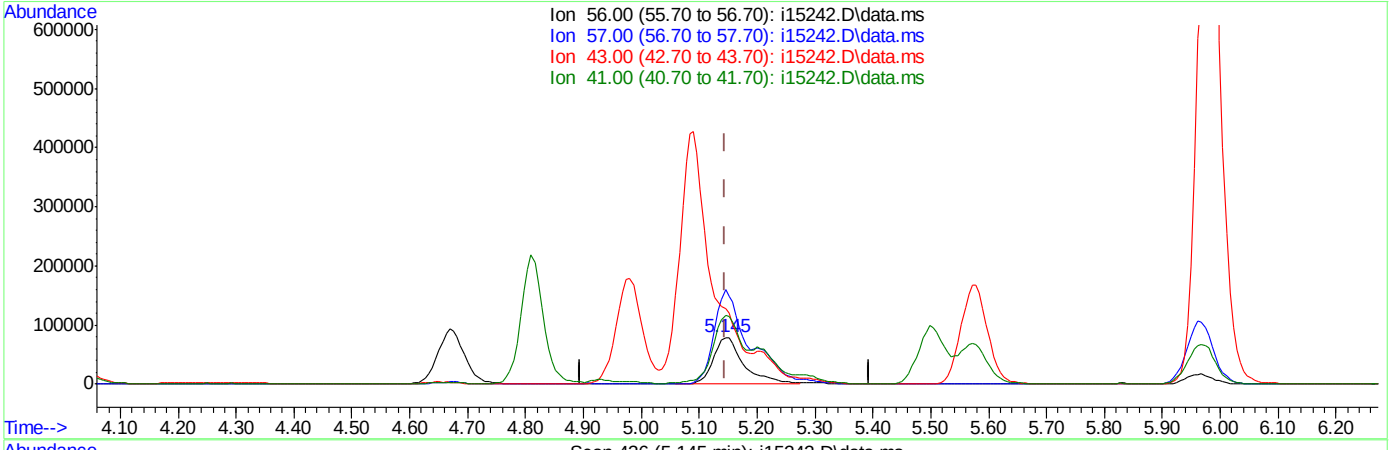
response 1369724

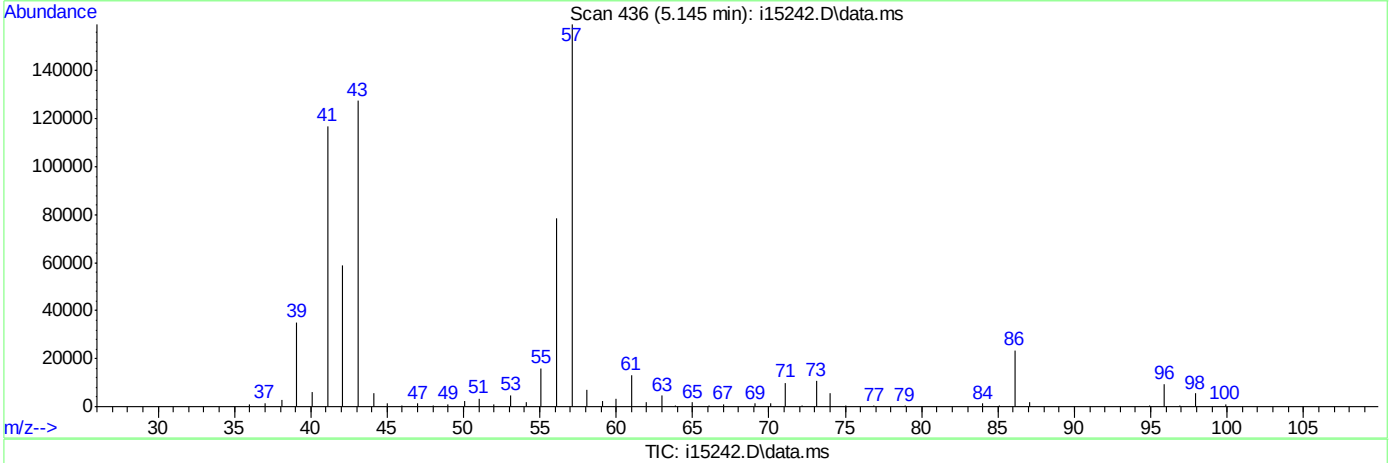
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.25
42.00	14.70	10.40
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 15:50:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15242.D\data.ms

(19) Hexane

5.145min (-0.000) 45.85ug/L

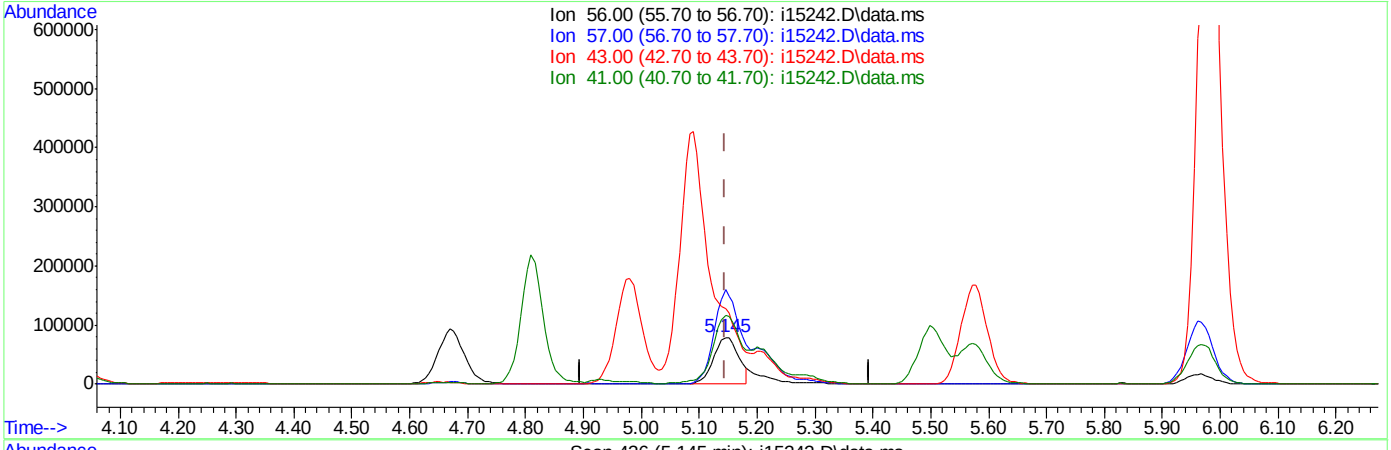
response 292449

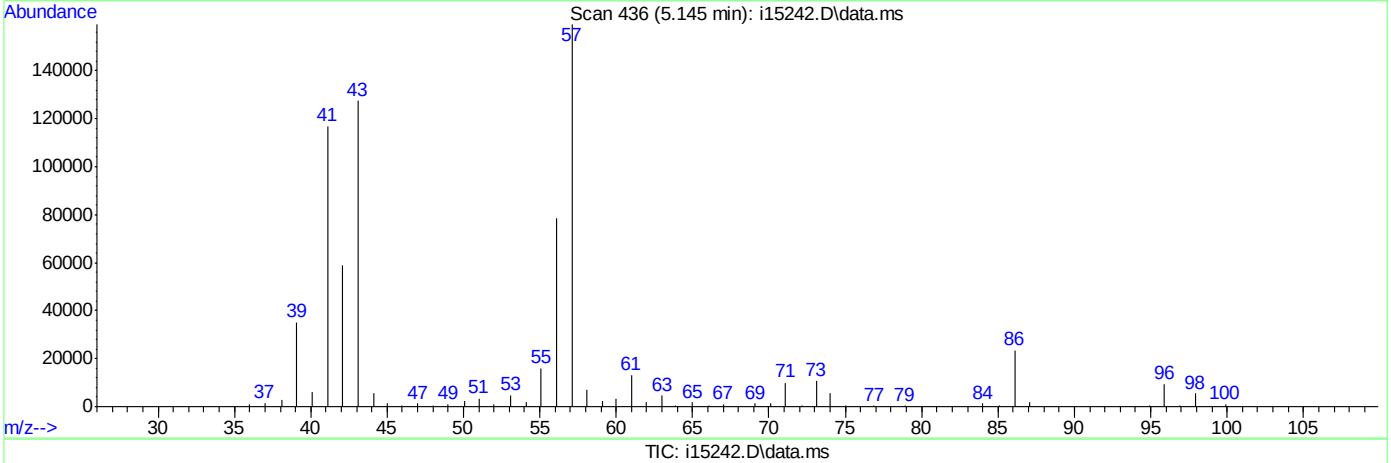
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	203.04#
43.00	185.00	148.80#
41.00	125.10	146.27#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 15:50:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15242.D\data.ms

(19) Hexane

5.145min (-0.000) 37.45ug/L m

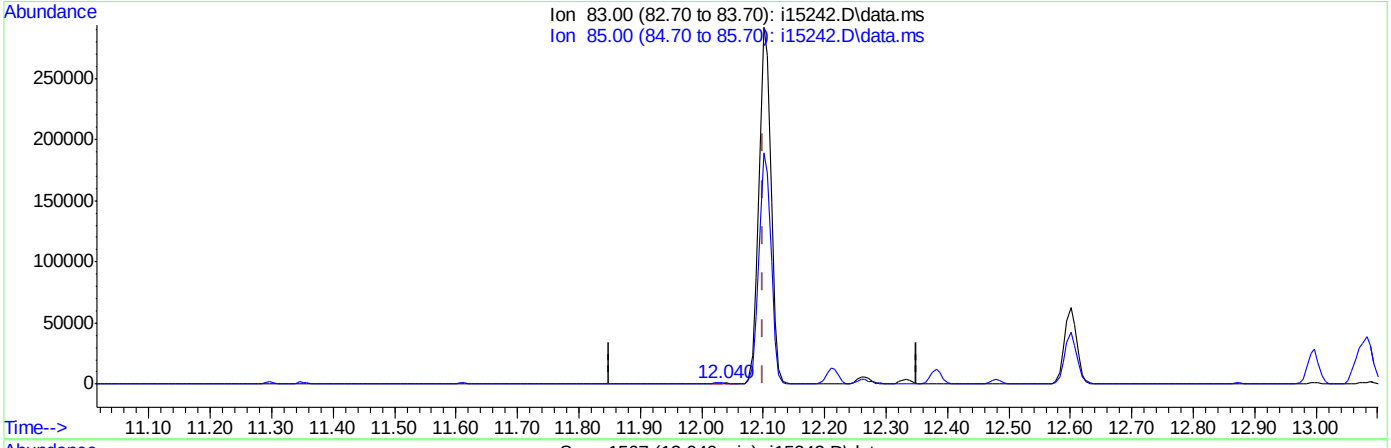
response 238874

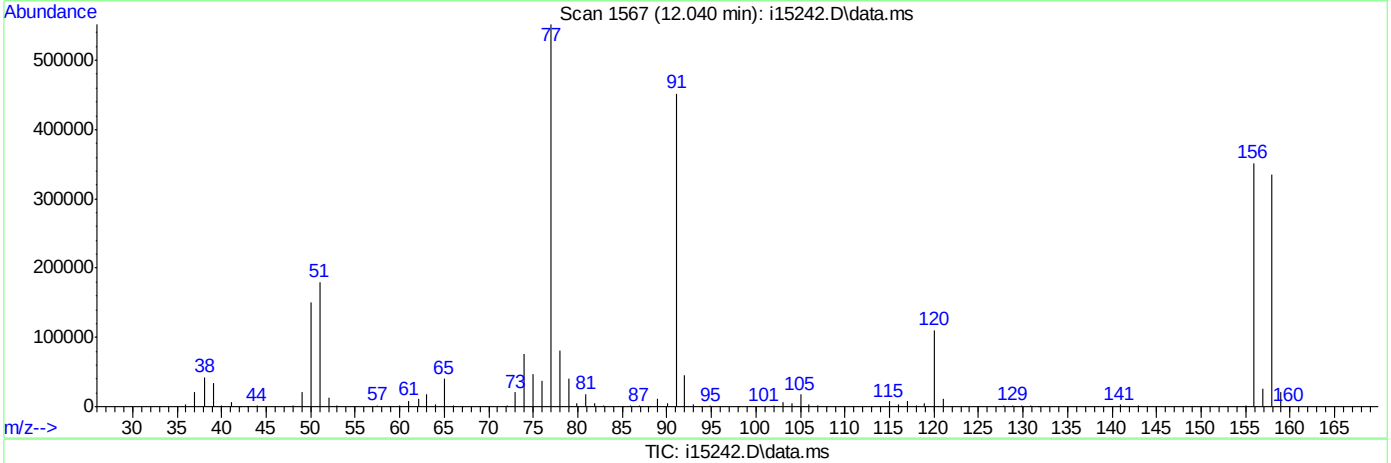
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	203.04#
43.00	185.00	162.52#
41.00	125.10	149.09#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 15:50:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





(81) 1,1,2,2-Tetrachloroethane (P)

12.040min (-0.061) 0.13ug/L

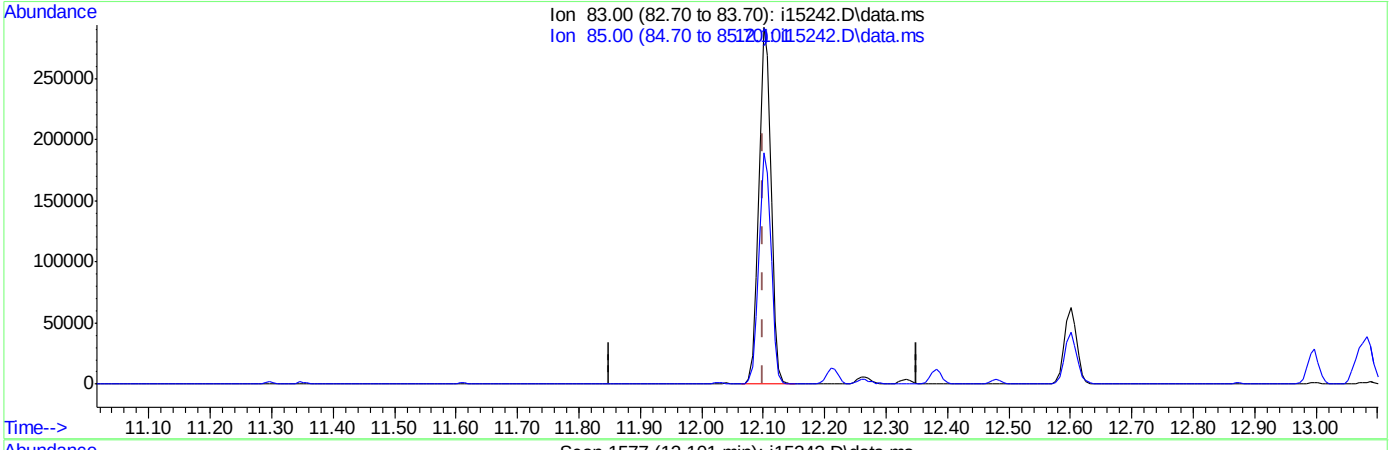
response 1259

Ion	Exp%	Act%
83.00	100	100
85.00	32.20	43.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 15:50:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration



(81) 1,1,2,2-Tetrachloroethane (P)

12.101min (-0.000) 41.62ug/L m

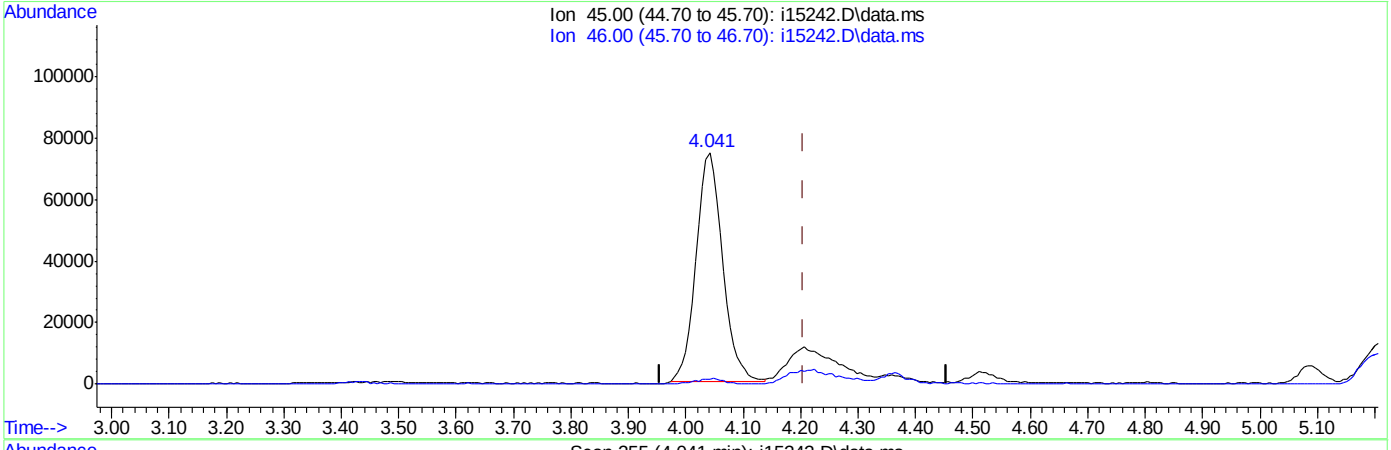
response 401240

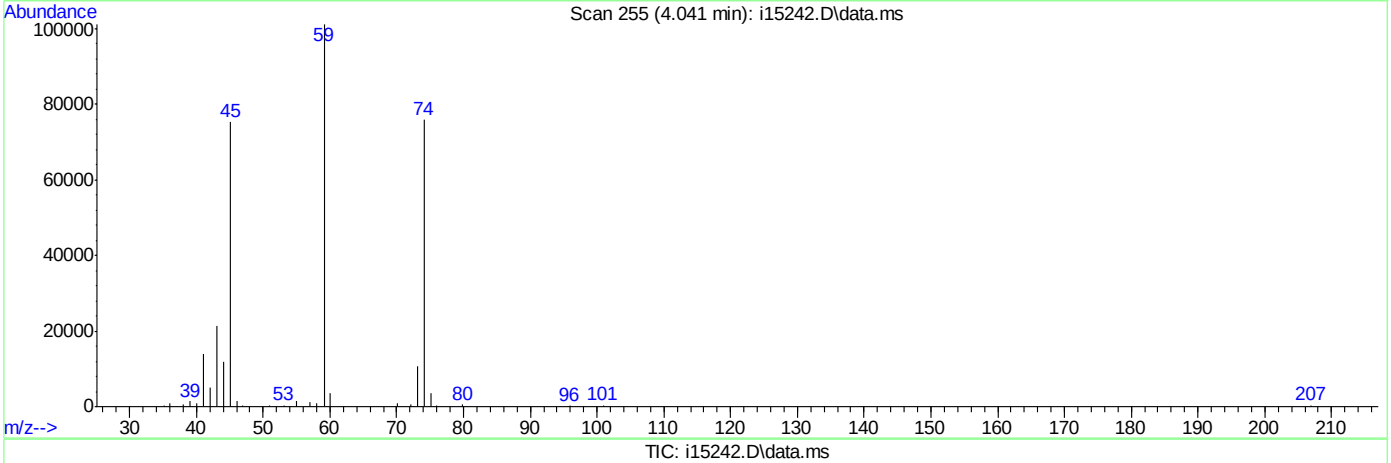
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	64.90#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 15:50:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15242.D\data.ms

(104) Ethanol

4.041min (-0.165) -250.00ug/L

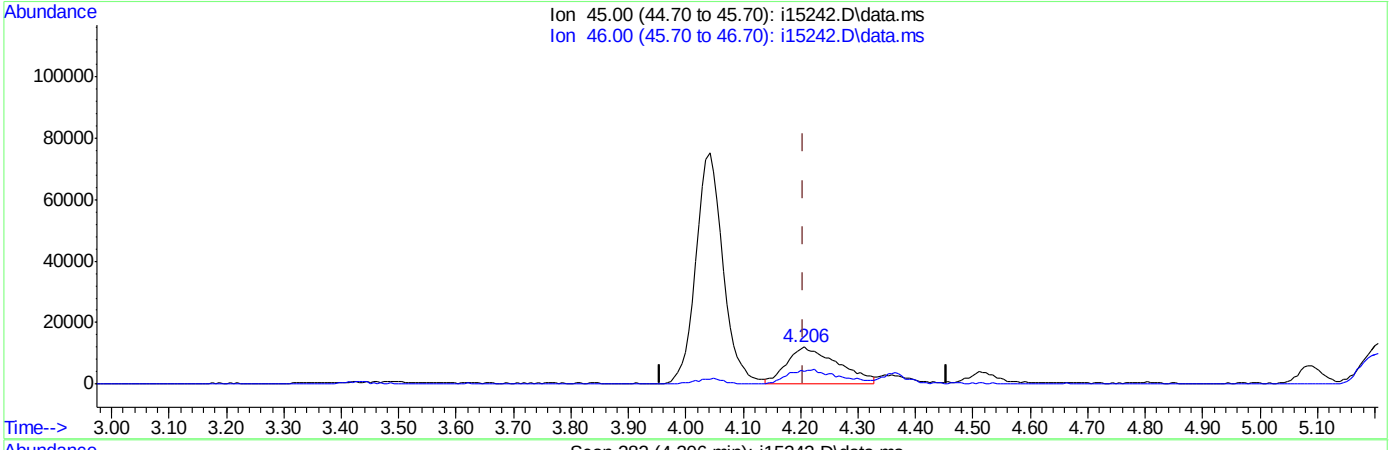
response 239219

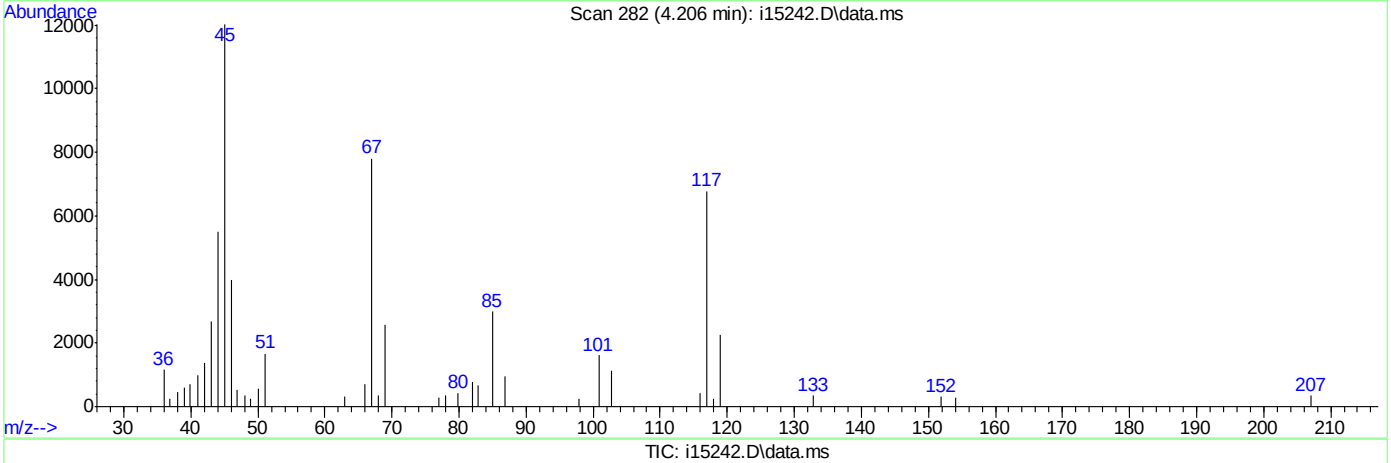
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.10
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15242.D
Acq On : 30 Oct 2013 3:19 pm
Operator : WILFREDO
Sample : icc195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 30 15:50:01 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15242.D\data.ms

(104) Ethanol

4.206min (-0.000) 1002.52ug/L m

response 74824

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	33.27#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 09:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 16:05:34 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.595	96	1747999	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1437922	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	707743	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.206	65	137502	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.779	113	936896	91.60	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery	=	183.20%#	
44) 1,2-Dichloroethane-d4	7.333	65	1017906	92.30	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery	=	184.60%#	
55) Toluene-d8	9.144	98	3349561	90.70	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery	=	181.40%#	
77) 4-Bromofluorobenzene	11.918	174	1021735	88.79	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery	=	177.58%#	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.712	85	604914	86.10	ug/L #	59
3) Chloromethane	2.901	50	900998	81.22	ug/L	87
4) Vinyl Chloride	3.029	62	1084890	84.47	ug/L	81
5) Bromomethane	3.426	94	804201	99.67	ug/L	99
6) Chloroethane	3.566	64	570631	112.16	ug/L #	100
7) Trichlorofluoromethane	3.755	101	1840046m	92.44	ug/L	
8) Ethyl Ether	4.041	59	655782	72.78	ug/L #	74
9) 1,2-Dichlorotrifluoroe...	4.267	67	1011864	70.83	ug/L	97
10) 1,1-Dichloroethene	4.297	61	1192040	73.29	ug/L	66
11) Freon 113	4.358	101	953605	69.54	ug/L #	48
12) Carbon Disulfide	4.358	76	2778428	66.25	ug/L	97
13) Iodomethane	4.480	142	1610983	60.84	ug/L	77
14) Allyl chloride	4.809	41	1117994	74.92	ug/L	87
15) Methylene Chloride	4.931	49	955995	76.11	ug/L	92
16) Acetone	4.980	43	1039684	598.69	ug/L	82
17) Methyl acetate	5.084	43	2590833m	385.80	ug/L	
18) trans-1,2-Dichloroethene	5.096	61	1009811	71.63	ug/L	89
19) Hexane	5.145	56	500125m	72.25	ug/L	
20) Methyl Tert Butyl Ether	5.206	73	1788213	69.89	ug/L	81
21) Acetonitrile	5.498	41	565808	852.41	ug/L	86
22) Di-isopropyl ether	5.572	45	2244694	76.63	ug/L	93
23) Chloroprene	5.724	53	1044902	81.92	ug/L #	90
24) 1,1-Dichloroethane	5.754	63	1276823	72.88	ug/L	81
25) Acrylonitrile	5.821	53	982254	369.96	ug/L	82
26) ETBE	5.968	59	2144217	73.50	ug/L	94
27) Vinyl acetate	5.980	43	5315633	373.48	ug/L	84
28) cis-1,2-Dichloroethene	6.321	96	732664	67.96	ug/L	84
29) 2,2-Dichloropropane	6.449	77	972436	67.09	ug/L	95
30) Bromochloromethane	6.535	128	383543	67.23	ug/L #	48
31) Cyclohexane	6.541	56	1090290	75.21	ug/L #	44
32) Chloroform	6.583	83	1325609	69.11	ug/L	75
33) Ethyl acetate	6.675	43	2701363	383.01	ug/L	90
34) Tetrahydrofuran	6.760	42	144602	88.34	ug/L #	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 16:05:34 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36)	Carbon Tetrachloride	6.748	117	983986	69.66	ug/L		96
37)	1,1,1-Trichloroethane	6.821	97	1072101	66.66	ug/L		89
38)	2-Butanone	6.894	43	1338251	467.52	ug/L		78
39)	1,1-Dichloropropene	6.931	75	928085	69.68	ug/L		73
40)	Propionitrile	7.224	54	805430	856.97	ug/L	#	75
41)	Methacrylonitrile	7.236	41	4088802	844.78	ug/L		91
42)	Benzene	7.193	78	2725693	70.74	ug/L		74
43)	TAME	7.266	73	2028779	71.43	ug/L		91
45)	1,2-Dichloroethane	7.400	62	913396	67.97	ug/L		76
46)	Trichloroethene	7.760	95	758652	69.40	ug/L	#	68
47)	Methylcyclohexane	7.760	83	1210015	71.52	ug/L		91
48)	Dibromomethane	8.199	93	452770	69.97	ug/L		94
49)	1,2-Dichloropropane	8.297	63	702951	73.02	ug/L		81
50)	Bromodichloromethane	8.339	83	964251	72.91	ug/L		91
51)	Methyl methacrylate	8.449	41	484327	78.08	ug/L	#	66
52)	2-Chloroethyl vinyl ether	8.876	63	2164311	359.42	ug/L	#	36
53)	cis-1,3-Dichloropropene	8.961	75	1184262m	74.41	ug/L		
56)	Toluene	9.199	91	3040724	66.88	ug/L		92
57)	2-Nitropropane	9.443	41	669069	356.98	ug/L	#	74
58)	4-Methyl-2-pentanone	9.552	43	2769918	385.74	ug/L		86
59)	trans-1,3-Dichloropropene	9.595	75	1046819	73.29	ug/L		90
60)	Tetrachloroethene	9.583	166	922798	74.26	ug/L		91
61)	Ethyl methacrylate	9.711	69	835868	77.77	ug/L		85
62)	1,1,2-Trichloroethane	9.766	83	521006	68.65	ug/L		96
63)	Dibromochloromethane	9.955	129	741624	71.98	ug/L		87
64)	1,3-Dichloropropane	10.046	76	1029227	69.70	ug/L		74
65)	1,2-Dibromoethane	10.211	107	608838	67.24	ug/L		92
66)	2-hexanone	10.369	43	2072173	453.60	ug/L		88
67)	1-Chlorohexane	10.656	91	1068950	70.66	ug/L	#	74
68)	Ethylbenzene	10.717	91	3786783	70.50	ug/L		91
69)	Chlorobenzene	10.717	112	2129778	70.40	ug/L		88
70)	1,1,1,2-Tetrachloroethane	10.772	131	718385	68.89	ug/L	#	71
71)	m,p-Xylene	10.857	91	5611656	144.54	ug/L		97
72)	o-Xylene	11.296	91	2522190	69.35	ug/L		90
73)	Styrene	11.351	104	2241524	73.06	ug/L		87
74)	Bromoform	11.406	173	466717	64.79	ug/L		87
75)	Isopropylbenzene	11.607	105	3132081	70.62	ug/L		83
78)	cis-1,4-Dichloro-2-butene	11.973	53	143141	66.66	ug/L	#	73
79)	n-Propylbenzene	12.028	91	3978202	75.83	ug/L		88
80)	Bromobenzene	12.040	156	952045	72.26	ug/L		85
81)	1,1,2,2-Tetrachloroethane	12.101	83	764647m	73.14	ug/L		
82)	1,3,5-Trimethylbenzene	12.217	105	3205103	76.03	ug/L		90
83)	2-Chlorotoluene	12.210	91	2810538	75.04	ug/L		96
84)	trans-1,4-Dichloro-2-B...	12.290	53	167686	66.68	ug/L	#	74
85)	1,2,3-Trichloropropane	12.265	110	207052	70.82	ug/L		74
86)	Cyclohexanone	12.332	55	105165	500.57	ug/L	#	71
87)	4-Chlorotoluene	12.381	91	2310451	72.28	ug/L		79
88)	tert-Butylbenzene	12.552	91	1522410	70.20	ug/L		96
89)	1,2,4-Trimethylbenzene	12.625	105	3077004	74.80	ug/L		94
90)	Pentachloroethane	12.601	167	428528	70.86	ug/L	#	50

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 16:05:34 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	sec-Butylbenzene	12.735	105	3504022	74.18	ug/L		96
92)	4-Isopropyltoluene	12.875	119	2995472	74.56	ug/L		86
93)	1,3-Dichlorobenzene	12.997	146	1541518	69.96	ug/L		78
94)	1,4-Dichlorobenzene	13.088	146	1766588	69.73	ug/L	#	75
95)	n-Butylbenzene	13.308	92	1862537	75.59	ug/L		93
96)	Benzyl Chloride	13.332	126	298860	69.72	ug/L	#	1
97)	1,2-Dichlorobenzene	13.521	146	1468747	70.77	ug/L		90
98)	1,2-Dibromo-3-Chloropr...	14.277	75	100709	70.99	ug/L	#	57
99)	Hexachlorobutadiene	14.820	225	459115	60.04	ug/L		87
100)	1,2,4-Trichlorobenzene	14.868	180	972374	64.95	ug/L		85
101)	Naphthalene	15.161	128	1836007	68.57	ug/L		99
102)	1,2,3-Trichlorobenzene	15.326	180	755525	61.74	ug/L		87
104)	Ethanol	4.212	45	131952m	1944.20	ug/L		
105)	Acrolein	4.669	56	554100	360.99	ug/L		89
106)	Tert Butyl Alcohol	5.285	59	447782	668.67	ug/L	#	100
107)	Isobutyl alcohol	7.327	42	281118	1708.59	ug/L	#	40
108)	Tert Amyl Alcohol	7.443	59	380683	693.17	ug/L		48
109)	1,4-Dioxane	8.528	88	98557	1472.43	ug/L		89

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
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QLast Update : Thu Oct 24 10:51:36 2013
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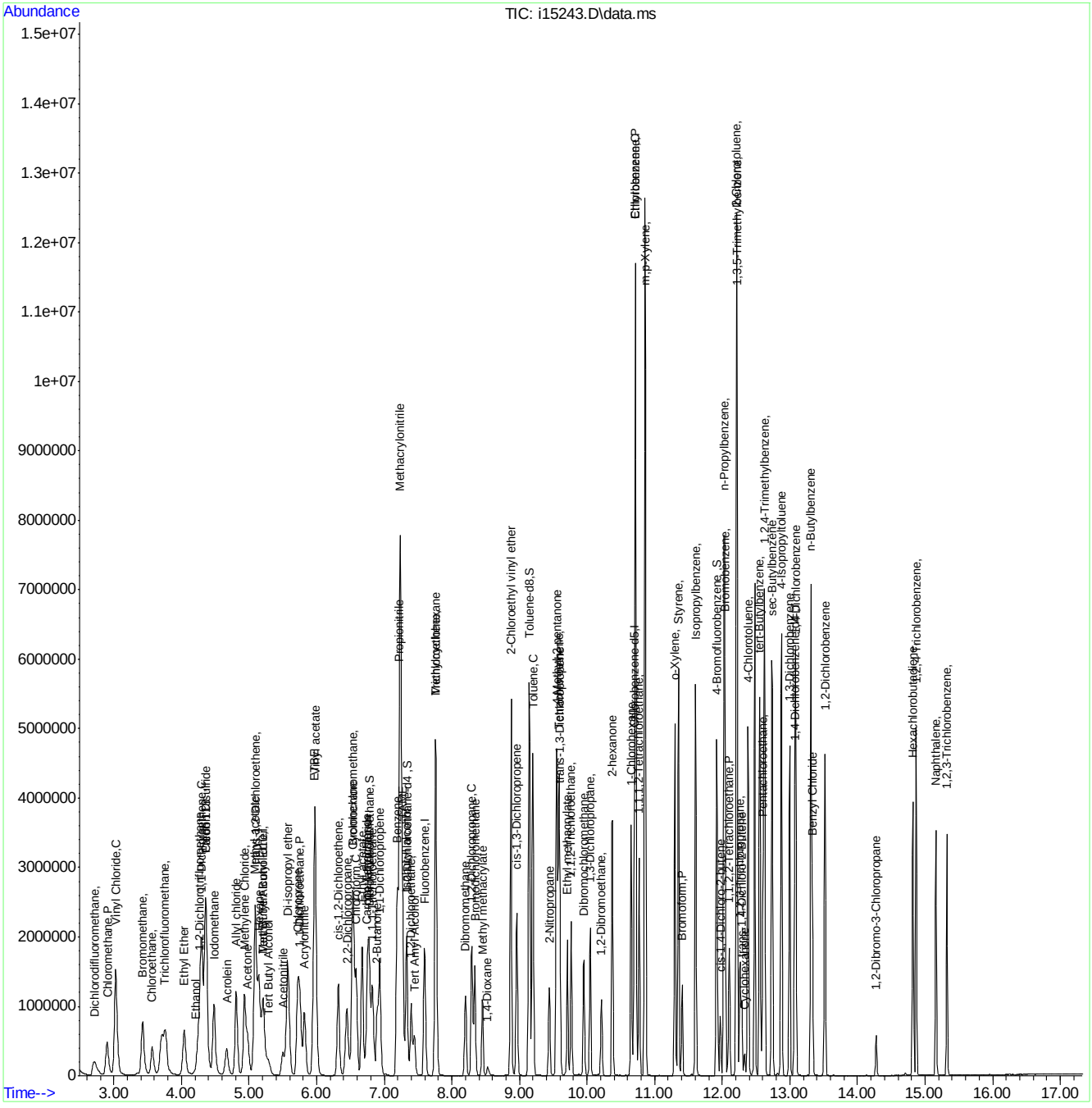


ACCUTEST LABORATORIES FA9297

Manual Integration Approval Summary

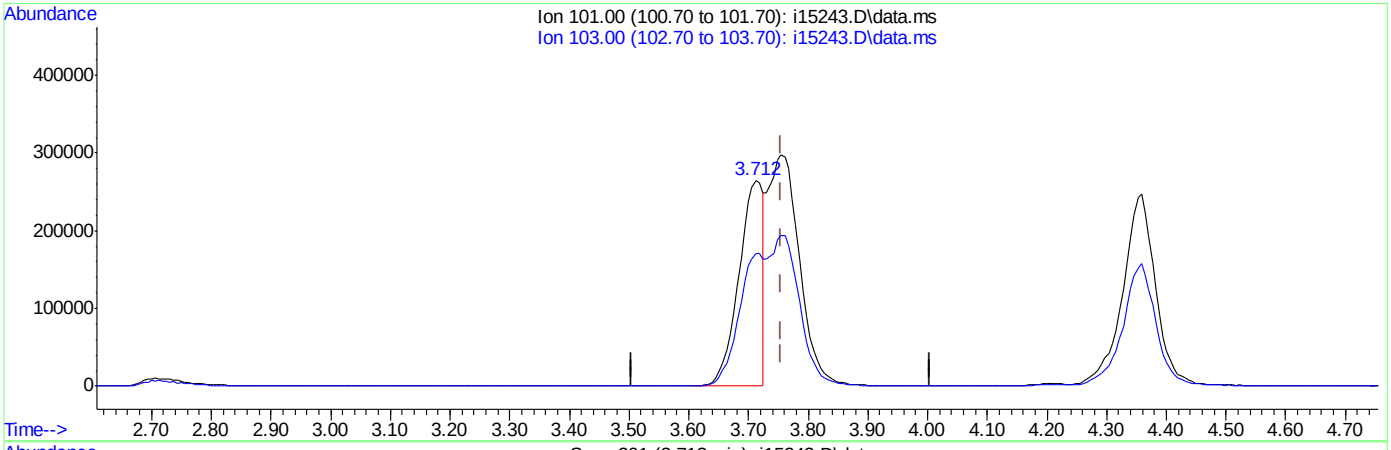
Sample Number: VI195-IC195
Lab FileID: I15243.D
Injection Time: 10/30/13 15:43
Method: SW846 8260B
Analyst approved: 10/31/13 16:18 Wilfredo Vazquez
Supervisor approved: 11/01/13 09:56 Juan Garcia

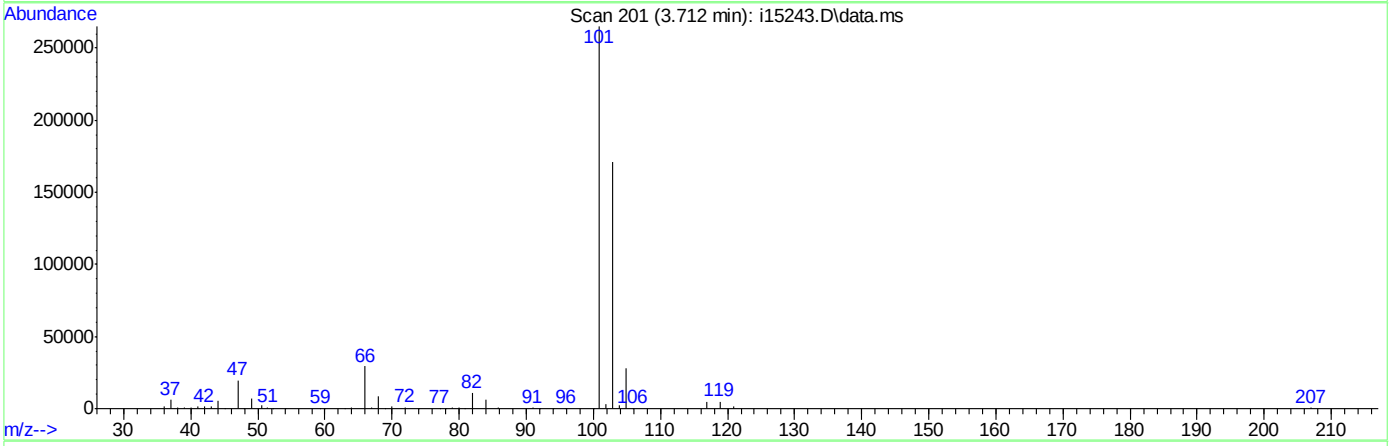
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.75	Split peak
Ethyl Alcohol	64-17-5		4.21	Missed peak
Methyl Acetate	79-20-9		5.08	Overlapping peak
Hexane	110-54-3		5.14	Overlapping peak
cis-1,3-Dichloropropene	10061-01-5		8.96	Missed peak
1,1,2,2-Tetrachloroethane	79-34-5		12.10	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 16:03:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15243.D\data.ms

(7) Trichlorofluoromethane ( )

3.712min (-0.043) 37.52ug/L

response 746878

Ion	Exp%	Act%
101.00	100	100
103.00	43.30	64.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
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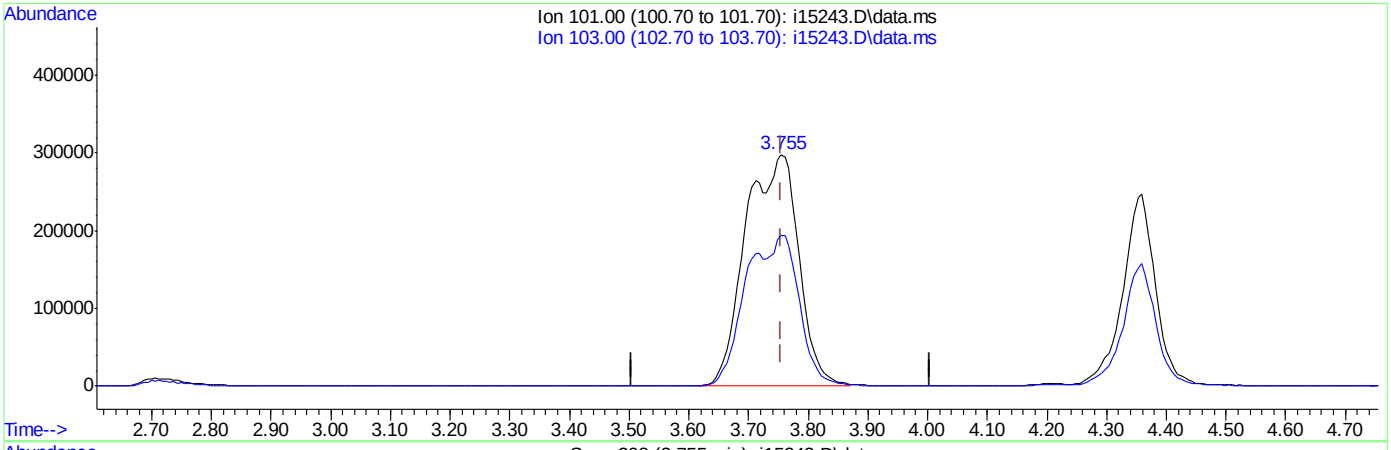
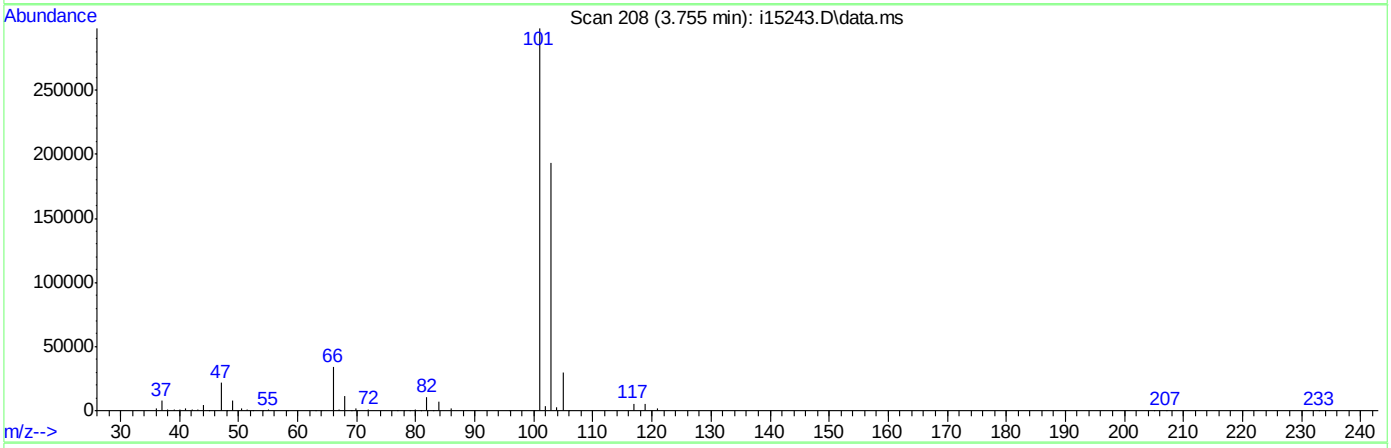
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15243.D\data.ms

(7) Trichlorofluoromethane ( )

3.755min (-0.000) 92.44ug/L m

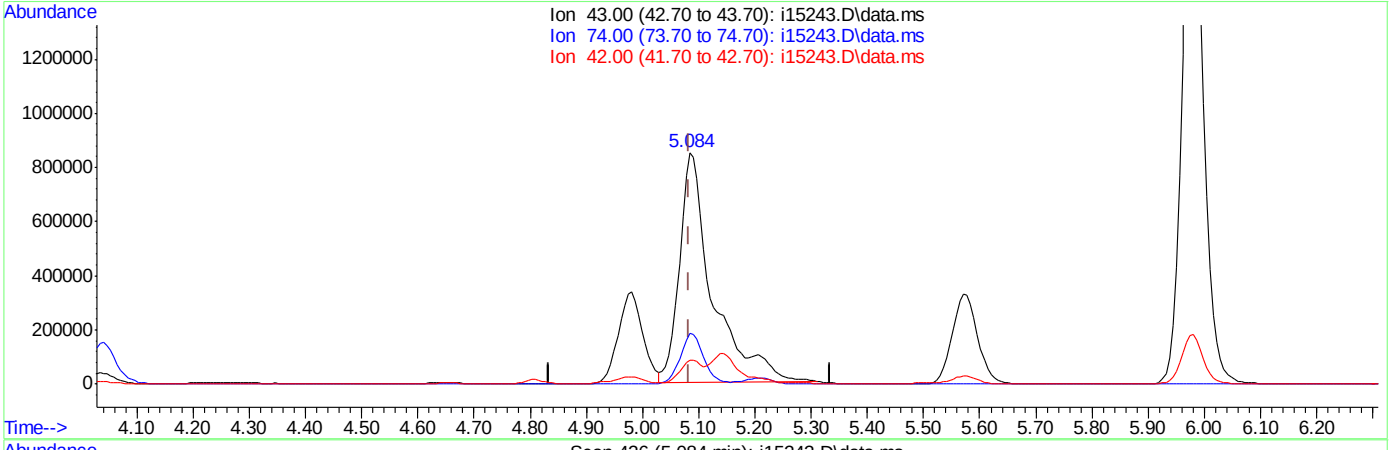
response 1840046

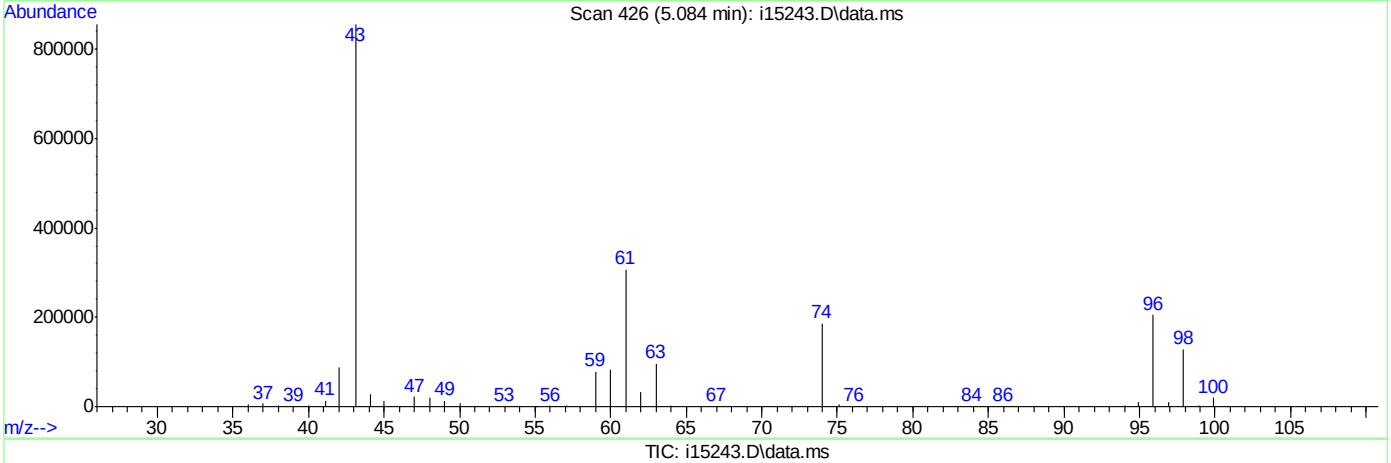
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	64.89
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 16:03:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15243.D\data.ms

(17) Methyl acetate

5.084min (-0.000) 505.40ug/L

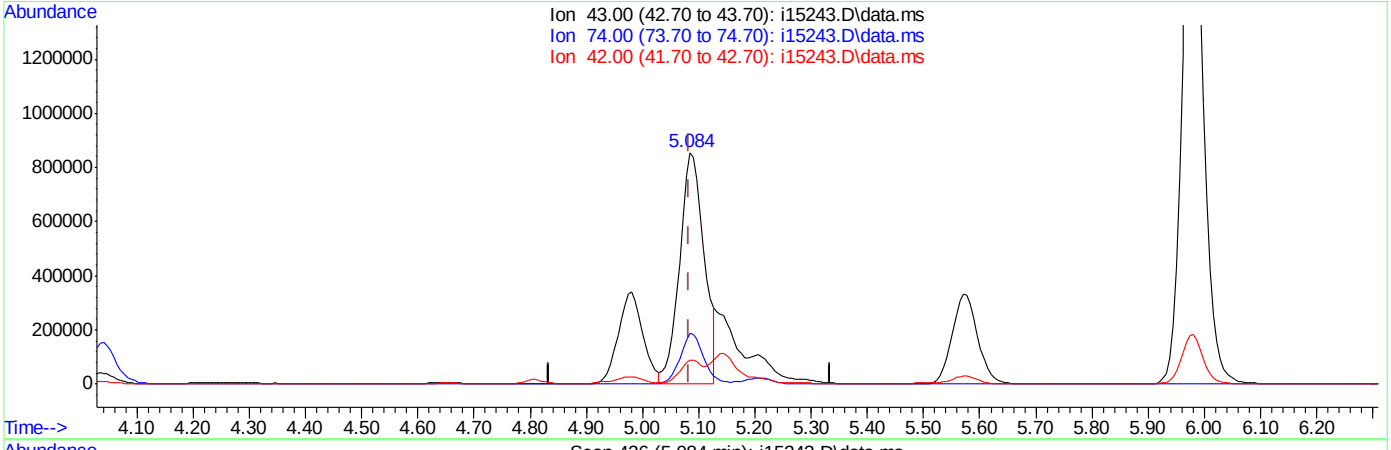
response 3462519

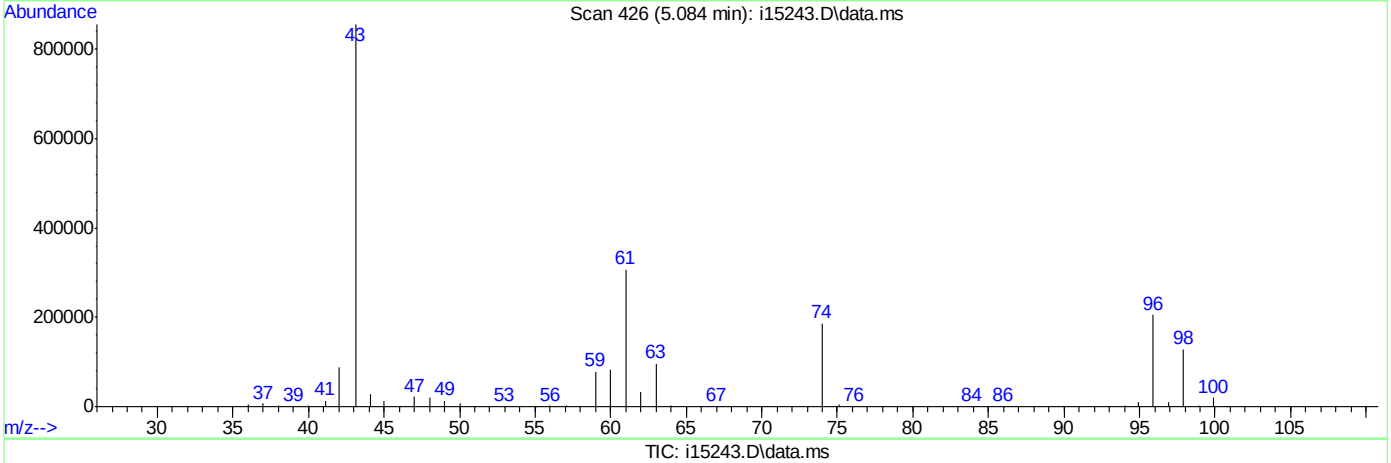
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	22.01
42.00	14.70	10.01
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 16:03:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15243.D\data.ms

(17) Methyl acetate

5.084min (-0.000) 385.80ug/L m

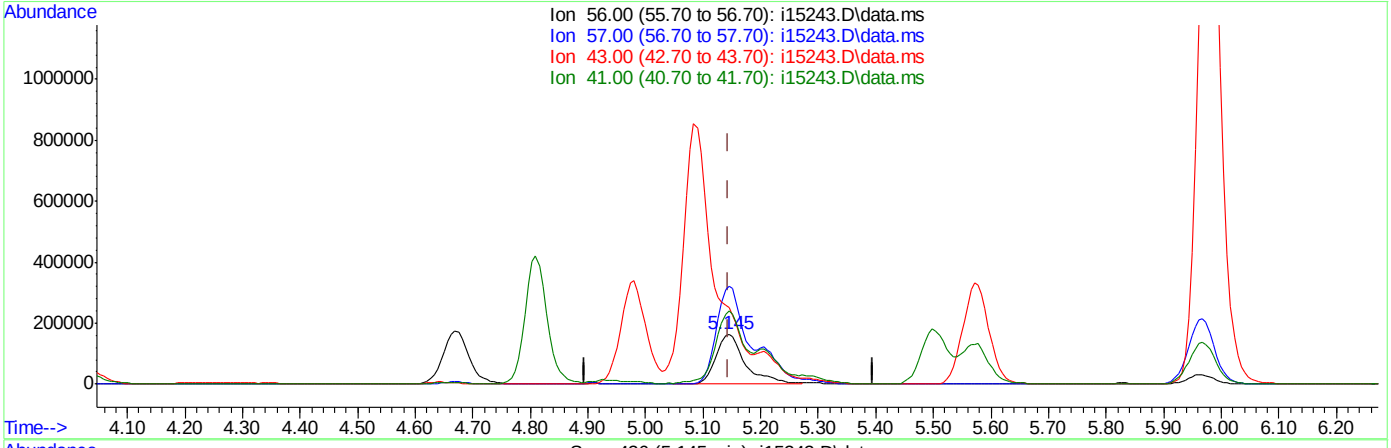
response 2590833

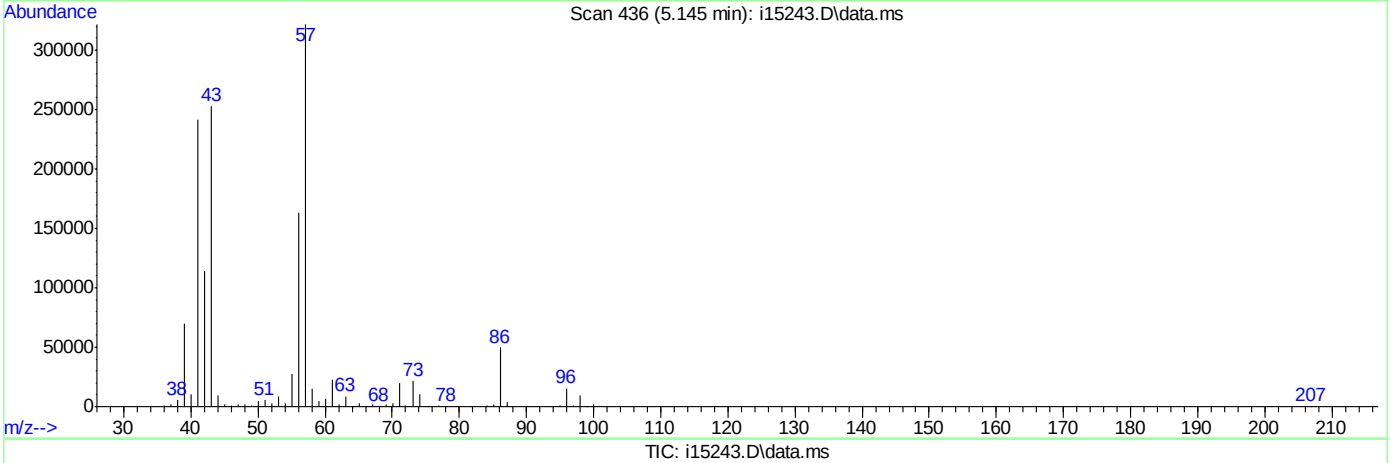
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.75
42.00	14.70	10.21
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 16:03:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15243.D\data.ms

(19) Hexane

5.145min (-0.000) 84.10ug/L

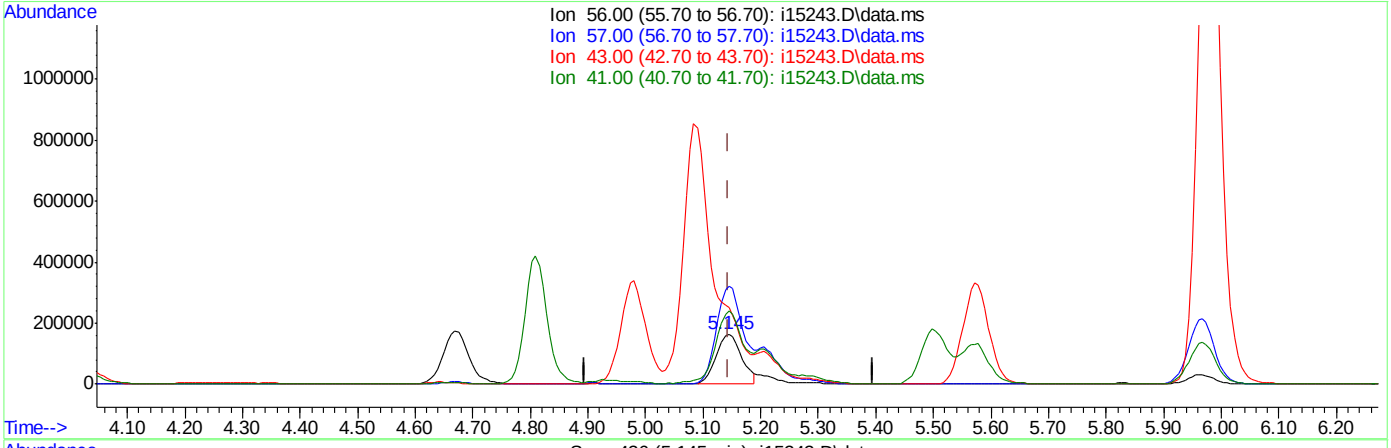
response 582154

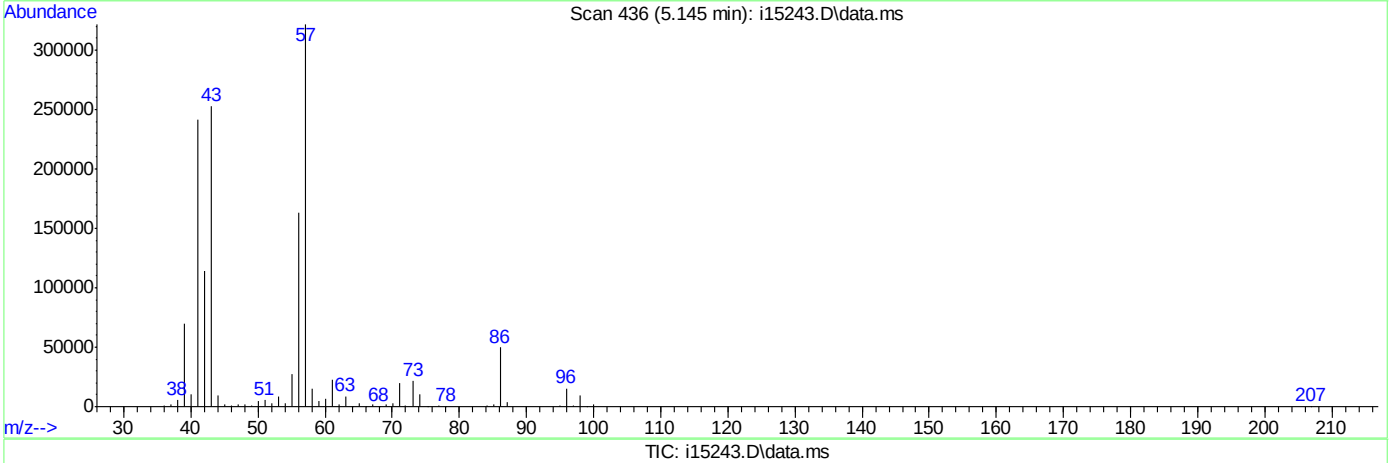
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	196.67#
43.00	185.00	142.87#
41.00	125.10	145.61#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 16:03:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15243.D\data.ms

(19) Hexane

5.145min (-0.000) 72.25ug/L m

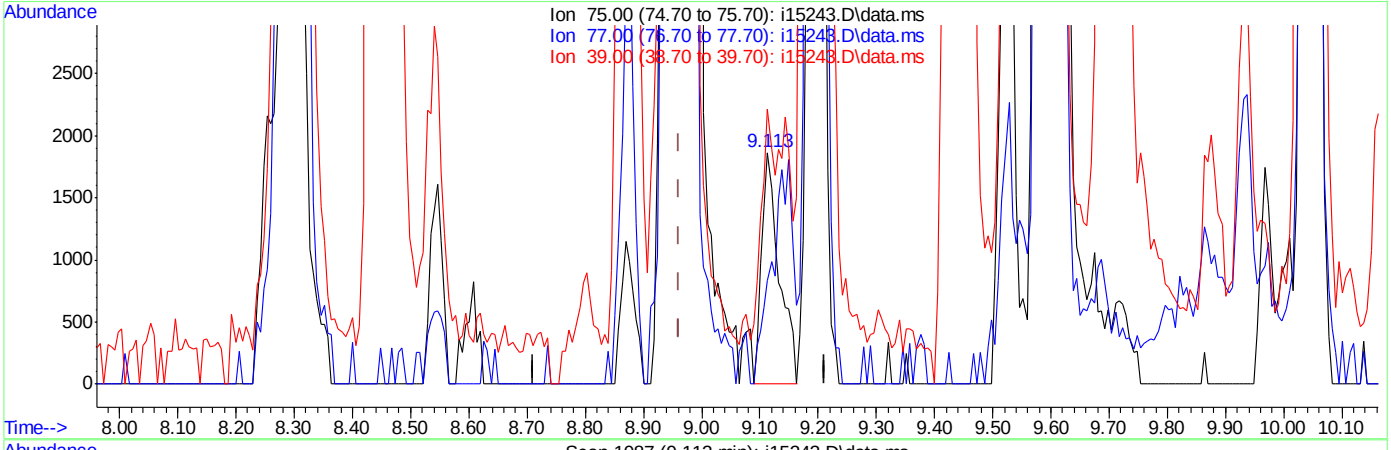
response 500125

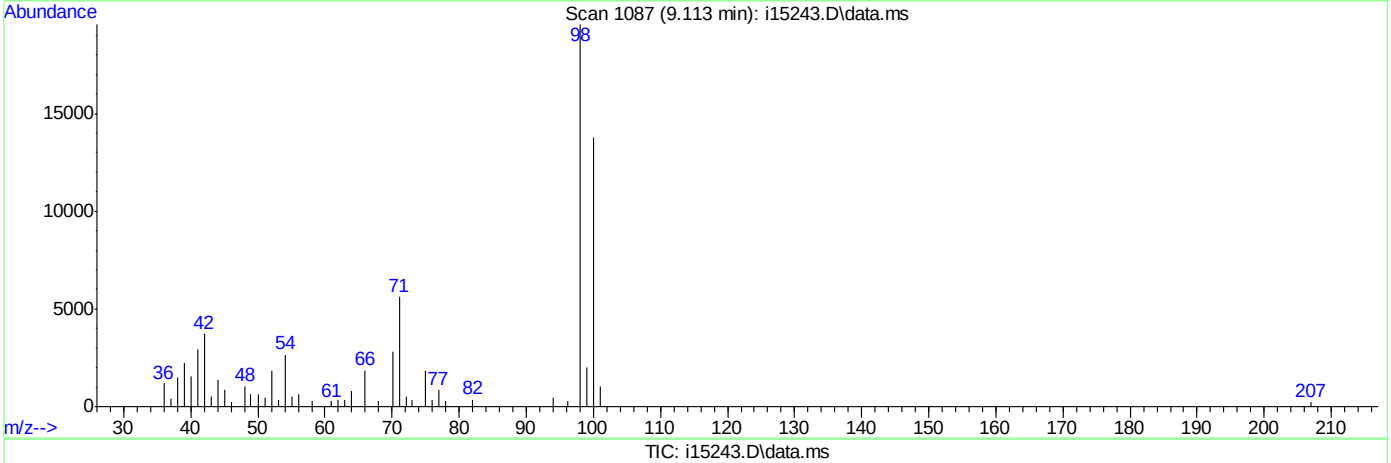
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	196.67#
43.00	185.00	154.68#
41.00	125.10	147.44#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Oct 30 16:03:37 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15243.D\data.ms

(53) cis-1,3-Dichloropropene

9.113min (+0.152) 0.24ug/L

response 3848

Ion	Exp%	Act%
75.00	100	100
77.00	37.10	44.83
39.00	87.10	93.03
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
ALS Vial : 13 Sample Multiplier: 1

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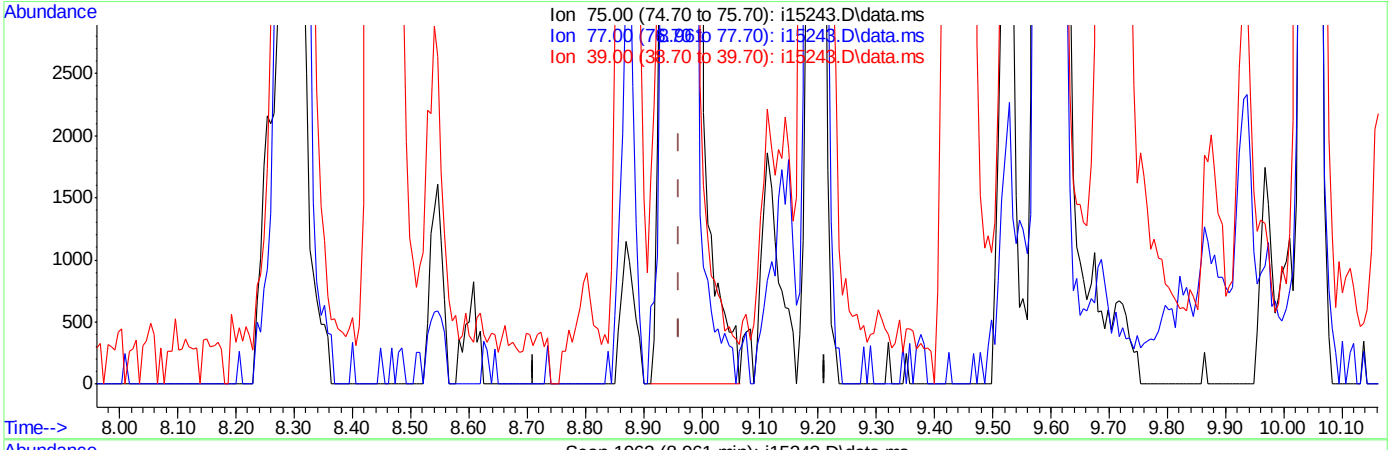
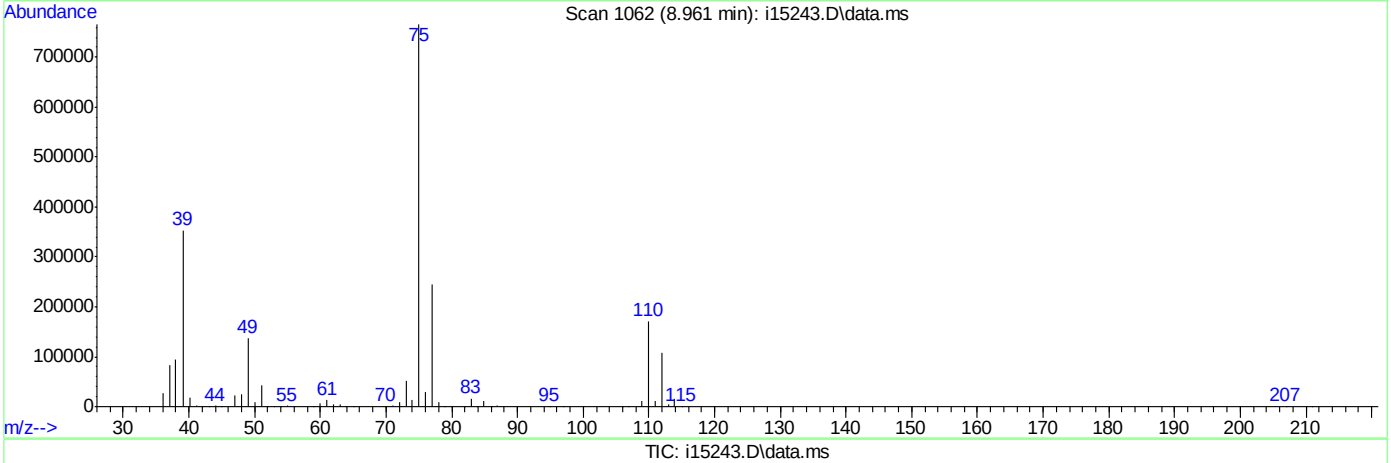
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15243.D\data.ms

(53) cis-1,3-Dichloropropene

8.961min (+0.000) 74.41ug/L m

response 1184262

Ion	Exp%	Act%
75.00	100	100
77.00	37.10	32.01
39.00	87.10	46.13#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
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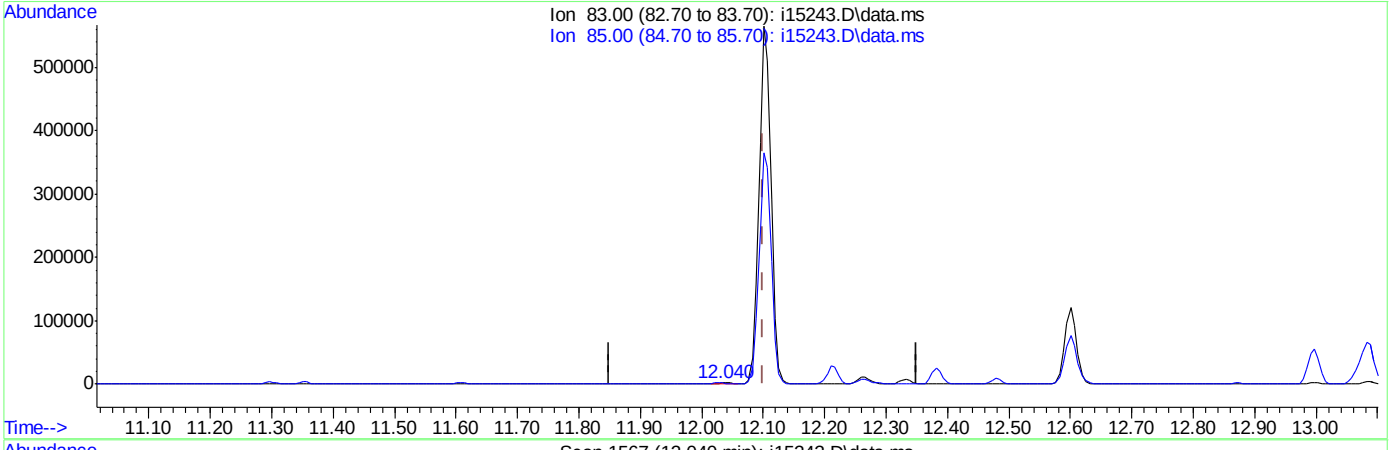

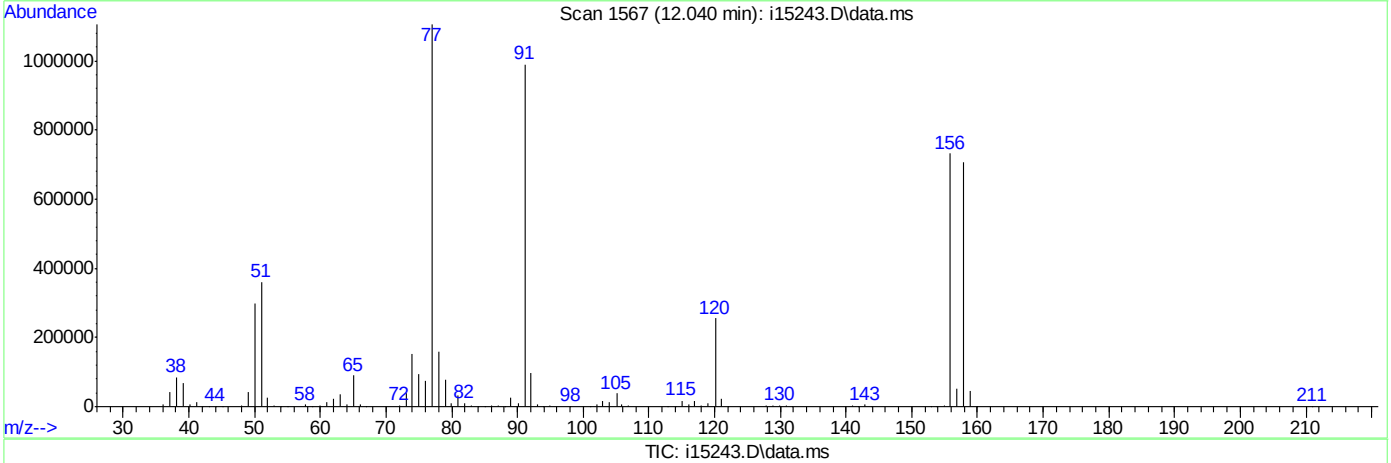

TIC: i15243.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.040min (-0.061) 0.24ug/L

response 2464

Ion	Exp%	Act%
83.00	100	100
85.00	32.20	41.55
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
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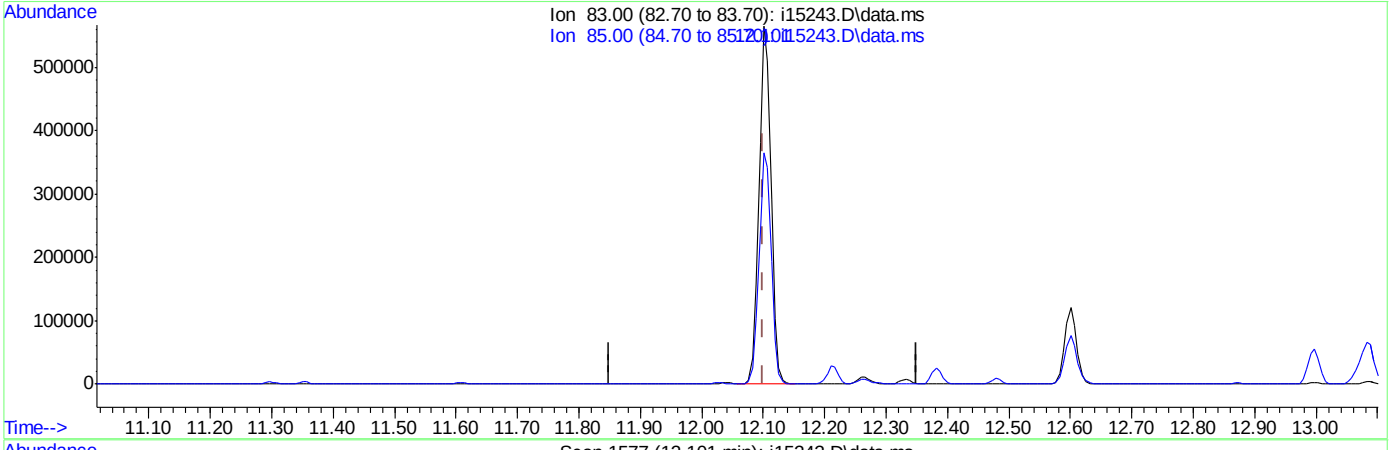

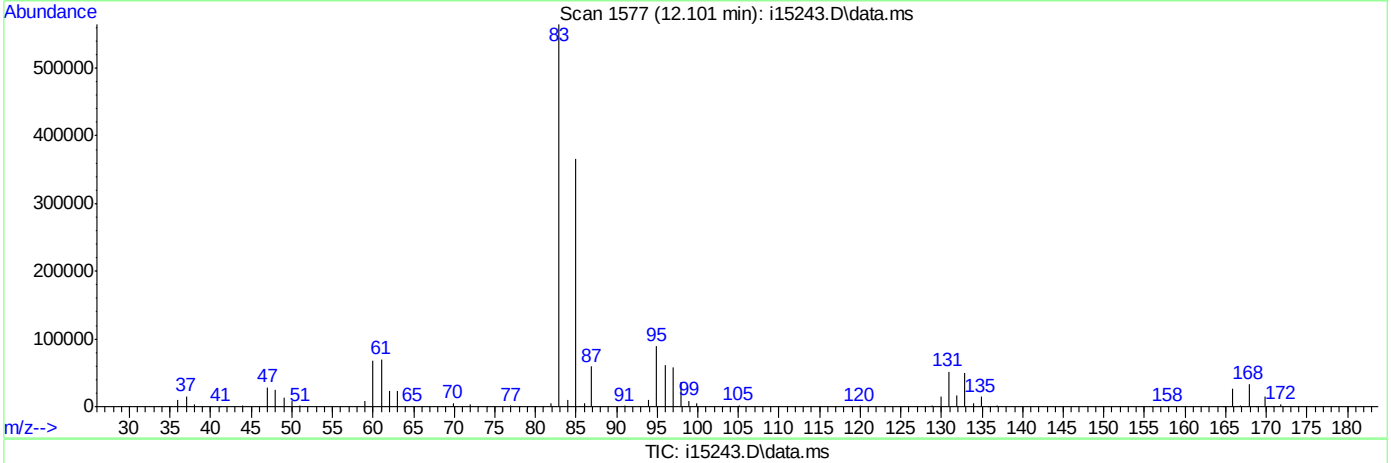

(81) 1,1,2,2-Tetrachloroethane (P)

12.101min (-0.000) 73.14ug/L m

response 764647

Ion	Exp%	Act%
83.00	100	100
85.00	32.20	64.77#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
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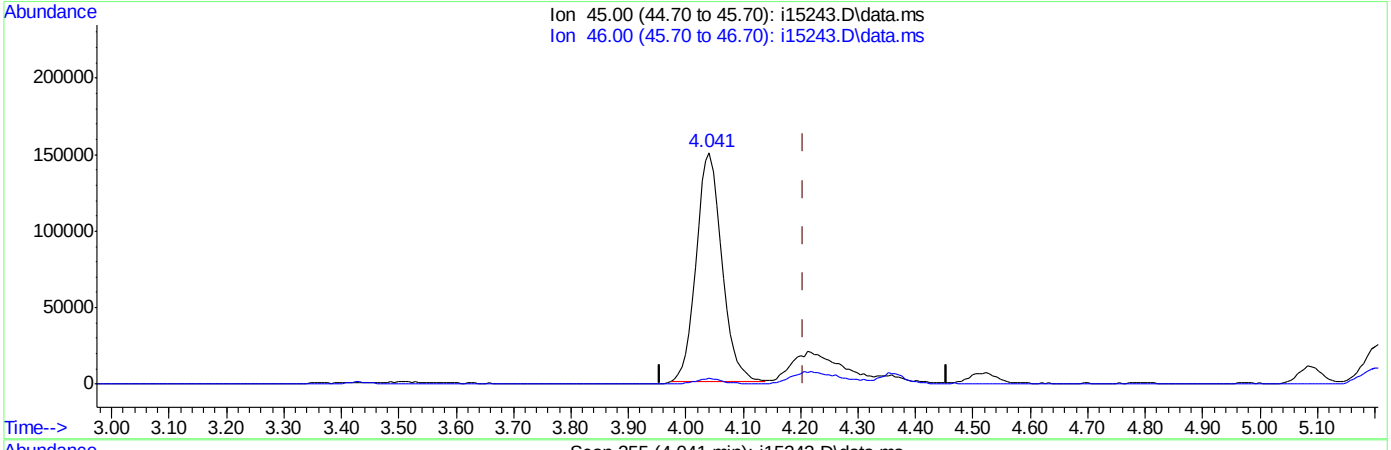

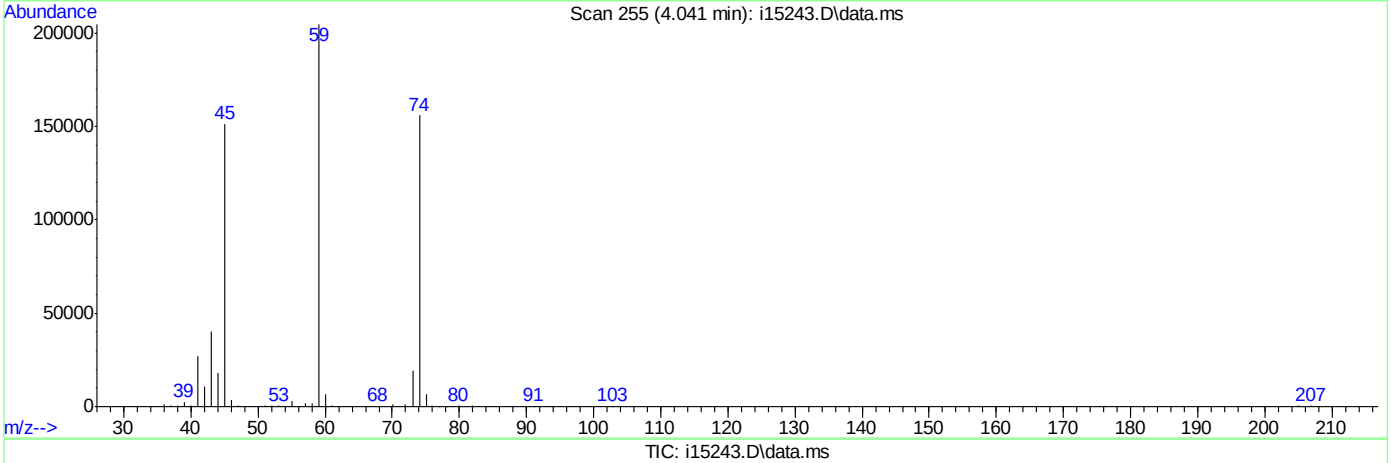

TIC: i15243.D\data.ms

(104) Ethanol

4.041min (-0.165) -250.00ug/L

response 466644

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.48
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15243.D
Acq On : 30 Oct 2013 3:43 pm
Operator : WILFREDO
Sample : ic195-5
Misc : ms25522,vi195,,,,,
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Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
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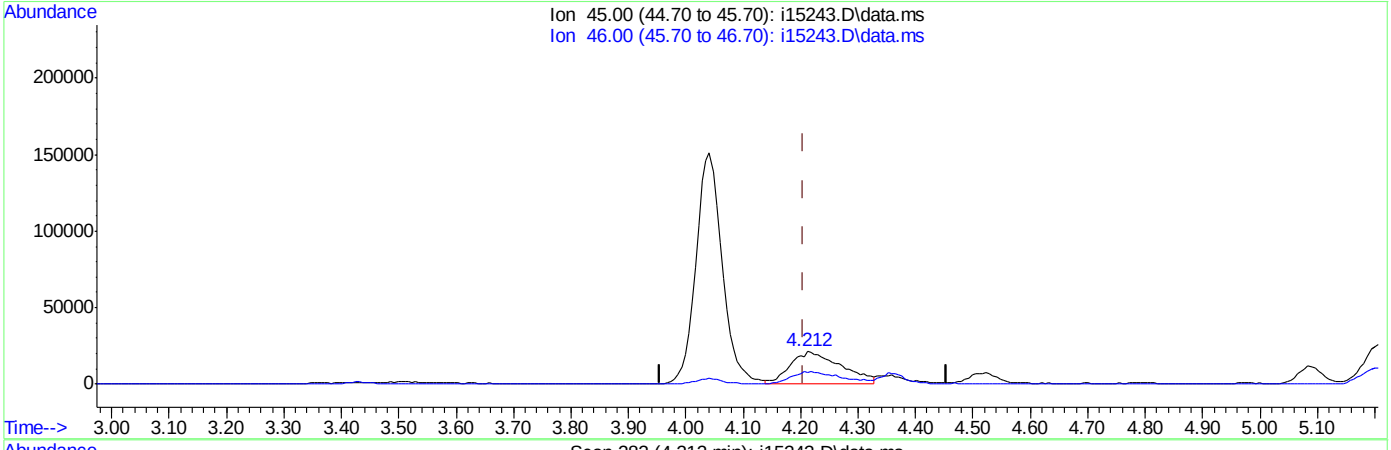
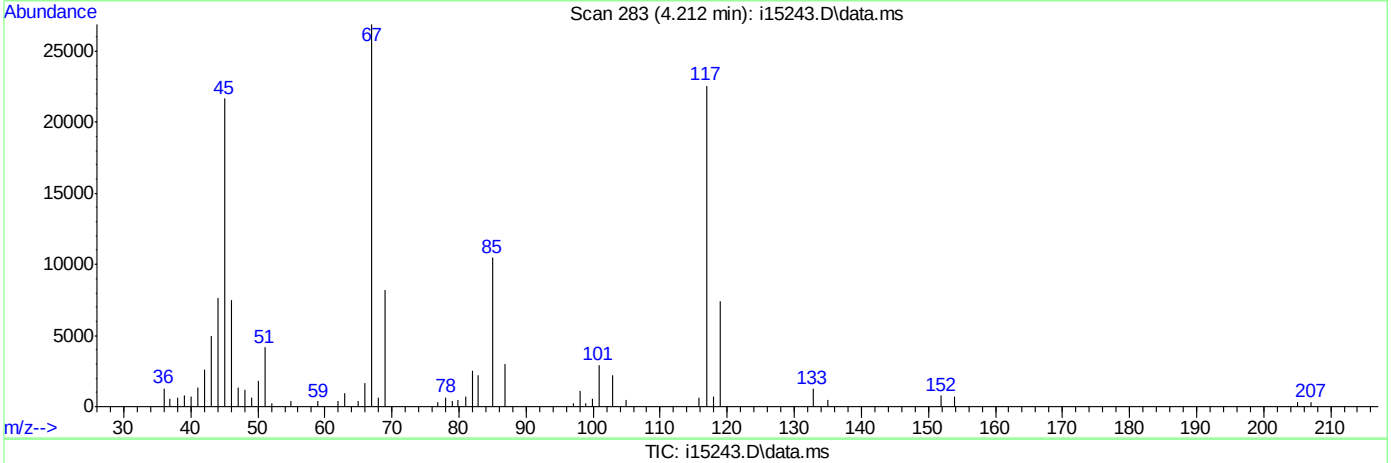
Response via : Initial Calibration





TIC: i15243.D\data.ms

(104) Ethanol

4.212min (+0.006) 1944.20ug/L m

response 131952

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	34.53#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 09:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 16:27:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1821518	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1525369	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	765673	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.212	65	148131	250.00	ug/L	0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.779	113	1094903	102.73	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 205.46%#			
44) 1,2-Dichloroethane-d4	7.334	65	1178933	102.58	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 205.16%#			
55) Toluene-d8	9.144	98	3885829	99.19	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 198.38%#			
77) 4-Bromofluorobenzene	11.918	174	1227037	98.56	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 197.12%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.713	85	931657	127.26	ug/L #	60
3) Chloromethane	2.908	50	1401197	121.22	ug/L	86
4) Vinyl Chloride	3.036	62	1650786	123.35	ug/L	81
5) Bromomethane	3.426	94	1173709	183.12	ug/L	99
6) Chloroethane	3.566	64	740946	Below Cal	#	100
7) Trichlorofluoromethane	3.755	101	2809660m	135.45	ug/L	
8) Ethyl Ether	4.042	59	978541	104.22	ug/L #	76
9) 1,2-Dichlorotrifluoroe...	4.273	67	1517648	101.95	ug/L	97
10) 1,1-Dichloroethene	4.298	61	1797153	106.04	ug/L	65
11) Freon 113	4.359	101	1449282	101.43	ug/L #	44
12) Carbon Disulfide	4.359	76	4279803	97.93	ug/L	96
13) Iodomethane	4.480	142	2518842	91.29	ug/L	76
14) Allyl chloride	4.810	41	1746403	112.30	ug/L	86
15) Methylene Chloride	4.932	49	1429975	109.25	ug/L	90
16) Acetone	4.980	43	1648594	911.00	ug/L	80
17) Methyl acetate	5.090	43	4046356m	561.55	ug/L	
18) trans-1,2-Dichloroethene	5.096	61	1531112	104.22	ug/L	90
19) Hexane	5.145	56	737006m	102.17	ug/L	
20) Methyl Tert Butyl Ether	5.206	73	2765001	103.70	ug/L	80
21) Acetonitrile	5.499	41	904583	1307.79	ug/L	86
22) Di-isopropyl ether	5.578	45	3408361	111.66	ug/L	93
23) Chloroprene	5.724	53	1624621	122.23	ug/L #	90
24) 1,1-Dichloroethane	5.755	63	1904955	104.35	ug/L	80
25) Acrylonitrile	5.822	53	1478577	534.42	ug/L	80
26) ETBE	5.968	59	3308543	108.83	ug/L	93
27) Vinyl acetate	5.980	43	7889160	531.93	ug/L	83
28) cis-1,2-Dichloroethene	6.322	96	1112741	99.05	ug/L	86
29) 2,2-Dichloropropane	6.450	77	1461581	96.76	ug/L	93
30) Bromochloromethane	6.535	128	592221	99.61	ug/L #	54
31) Cyclohexane	6.541	56	1654790	109.54	ug/L #	43
32) Chloroform	6.584	83	1993018	99.71	ug/L	75
33) Ethyl acetate	6.669	43	4059395	541.91	ug/L	90
34) Tetrahydrofuran	6.761	42	222544	130.48	ug/L #	73

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 16:27:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon Tetrachloride	6.748	117	1508619	102.49	ug/L		96
37) 1,1,1-Trichloroethane	6.821	97	1623635	96.88	ug/L		90
38) 2-Butanone	6.895	43	2081536	697.84	ug/L		77
39) 1,1-Dichloropropene	6.931	75	1394171	100.45	ug/L		72
40) Propionitrile	7.224	54	1244539	1270.73	ug/L		79
41) Methacrylonitrile	7.242	41	6313267	1251.72	ug/L		91
42) Benzene	7.193	78	4124170	102.72	ug/L		74
43) TAME	7.273	73	3149469	106.42	ug/L		90
45) 1,2-Dichloroethane	7.401	62	1361343	97.21	ug/L		78
46) Trichloroethene	7.760	95	1159268	101.77	ug/L	#	65
47) Methylcyclohexane	7.760	83	1855120	105.22	ug/L		91
48) Dibromomethane	8.199	93	680546	100.93	ug/L		96
49) 1,2-Dichloropropane	8.297	63	1063640	106.03	ug/L		81
50) Bromodichloromethane	8.339	83	1457824	105.79	ug/L	#	89
51) Methyl methacrylate	8.449	41	740903	114.63	ug/L	#	66
52) 2-Chloroethyl vinyl ether	8.876	63	3332996	531.16	ug/L	#	36
53) cis-1,3-Dichloropropene	8.961	75	1796246m	108.30	ug/L		
56) Toluene	9.199	91	4622063	95.83	ug/L		92
57) 2-Nitropropane	9.443	41	1038083	497.98	ug/L	#	73
58) 4-Methyl-2-pentanone	9.553	43	4221351	554.17	ug/L		87
59) trans-1,3-Dichloropropene	9.601	75	1603907	105.85	ug/L		77
60) Tetrachloroethene	9.583	166	1560338	118.36	ug/L		91
61) Ethyl methacrylate	9.711	69	1285956	112.79	ug/L		85
62) 1,1,2-Trichloroethane	9.766	83	780897	96.99	ug/L		96
63) Dibromochloromethane	9.955	129	1151557	105.37	ug/L		88
64) 1,3-Dichloropropane	10.046	76	1548899	98.89	ug/L		74
65) 1,2-Dibromoethane	10.211	107	921365	95.92	ug/L		93
66) 2-hexanone	10.376	43	3197128	659.73	ug/L		86
67) 1-Chlorohexane	10.656	91	1604221	99.97	ug/L	#	75
68) Ethylbenzene	10.717	91	5830910	102.33	ug/L		92
69) Chlorobenzene	10.717	112	3331660	103.82	ug/L		89
70) 1,1,1,2-Tetrachloroethane	10.772	131	1128971	102.06	ug/L		73
71) m,p-Xylene	10.857	91	8504719	206.50	ug/L		99
72) o-Xylene	11.302	91	3893514	100.91	ug/L		89
73) Styrene	11.351	104	3513672	107.96	ug/L		86
74) Bromoform	11.406	173	741286	91.61	ug/L		88
75) Isopropylbenzene	11.607	105	4844454	102.96	ug/L		84
78) cis-1,4-Dichloro-2-butene	11.973	53	231022	99.45	ug/L	#	72
79) n-Propylbenzene	12.028	91	6092613	107.35	ug/L		89
80) Bromobenzene	12.040	156	1519119	106.57	ug/L		86
81) 1,1,2,2-Tetrachloroethane	12.101	83	1152298m	101.89	ug/L		
82) 1,3,5-Trimethylbenzene	12.217	105	5087703	111.56	ug/L		90
83) 2-Chlorotoluene	12.217	91	4438069	109.52	ug/L		97
84) trans-1,4-Dichloro-2-B...	12.290	53	269444	99.04	ug/L	#	75
85) 1,2,3-Trichloropropane	12.266	110	317247	100.30	ug/L		76
86) Cyclohexanone	12.333	55	159689	702.59	ug/L	#	70
87) 4-Chlorotoluene	12.381	91	3560192	102.95	ug/L		77
88) tert-Butylbenzene	12.558	91	2318785	98.84	ug/L		91
89) 1,2,4-Trimethylbenzene	12.625	105	4780983	107.42	ug/L		94
90) Pentachloroethane	12.601	167	604484	92.39	ug/L	#	53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 16:27:39 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	sec-Butylbenzene	12.735	105	5353750	104.76	ug/L		97
92)	4-Isopropyltoluene	12.875	119	4630277	106.53	ug/L		85
93)	1,3-Dichlorobenzene	12.997	146	2440846	102.40	ug/L		78
94)	1,4-Dichlorobenzene	13.089	146	2816436	102.76	ug/L	#	74
95)	n-Butylbenzene	13.314	92	2903184	108.91	ug/L		92
96)	Benzyl Chloride	13.332	126	471634	97.70	ug/L	#	1
97)	1,2-Dichlorobenzene	13.521	146	2281659	101.62	ug/L		89
98)	1,2-Dibromo-3-Chloropr...	14.277	75	147736	96.26	ug/L	#	60
99)	Hexachlorobutadiene	14.820	225	672330	81.27	ug/L		88
100)	1,2,4-Trichlorobenzene	14.869	180	1417957	87.55	ug/L		86
101)	Naphthalene	15.161	128	2553912	88.17	ug/L		99
102)	1,2,3-Trichlorobenzene	15.326	180	1044654	78.91	ug/L		87
104)	Ethanol	4.231	45	195839m	Below Cal			
105)	Acrolein	4.669	56	854230	516.60	ug/L		88
106)	Tert Butyl Alcohol	5.285	59	692456	959.84	ug/L		100
107)	Isobutyl alcohol	7.334	42	430725	2430.04	ug/L	#	41
108)	Tert Amyl Alcohol	7.443	59	593176	1002.59	ug/L		50
109)	1,4-Dioxane	8.528	88	146043	2025.31	ug/L		94

(#) = qualifier out of range (m) = manual integration (+) = signals summed

7.6.6

7

Quantitation Report (QT Reviewed)

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Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
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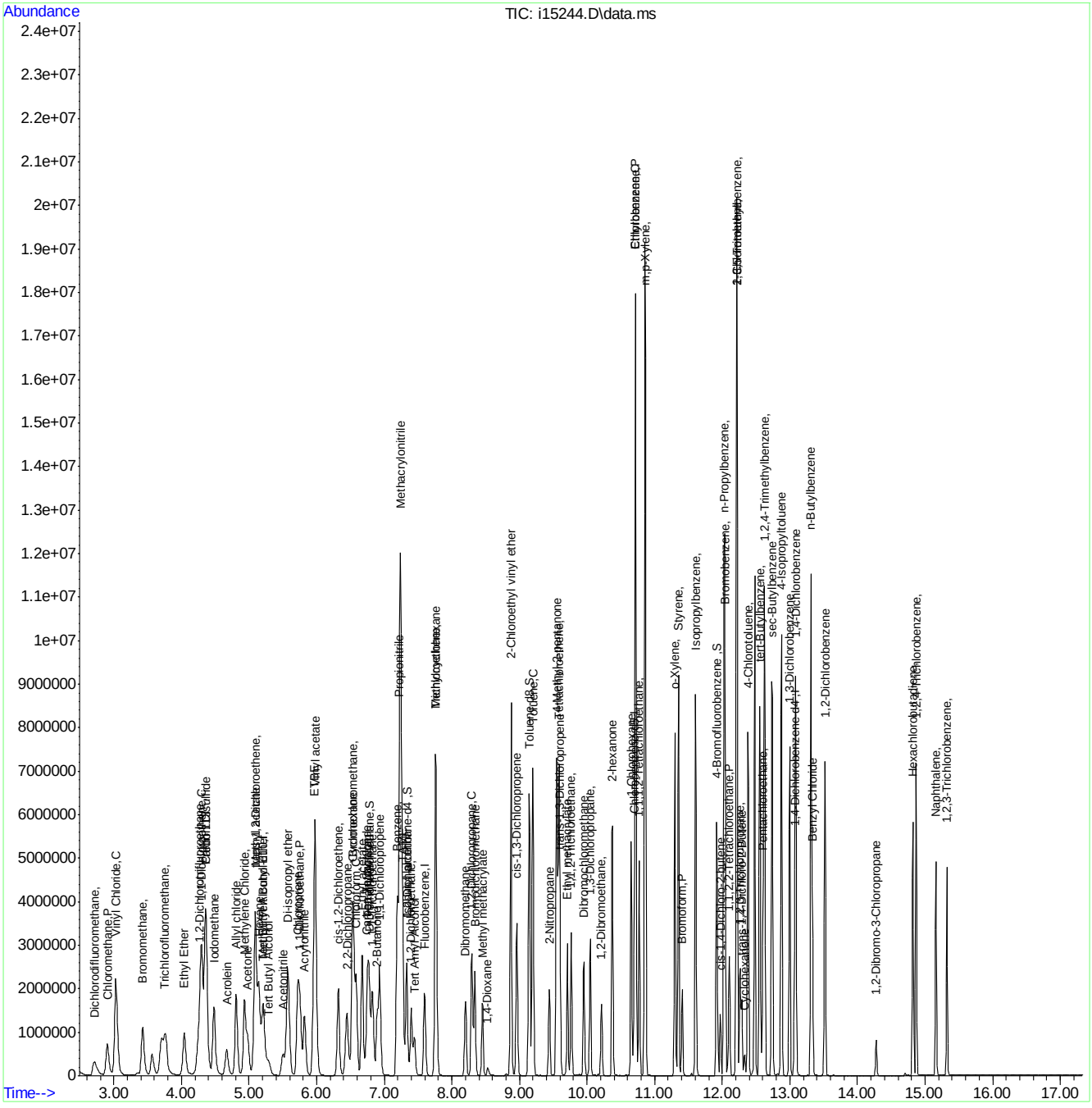
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration



Manual Integration Approval Summary

Sample Number:	VI195-IC195	**Method:**	SW846 8260B
Lab FileID:	I15244.D	**Analyst approved:**	10/31/13 16:18 Wilfredo Vazquez
Injection Time:	10/30/13 16:08	**Supervisor approved:**	11/01/13 09:56 Juan Garcia

Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.75	Split peak
Methyl Acetate	79-20-9		5.09	Overlapping peak
Hexane	110-54-3		5.14	Overlapping peak
cis-1,3-Dichloropropene	10061-01-5		8.96	Missed peak
1,1,2,2-Tetrachloroethane	79-34-5		12.10	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 16:26:23 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
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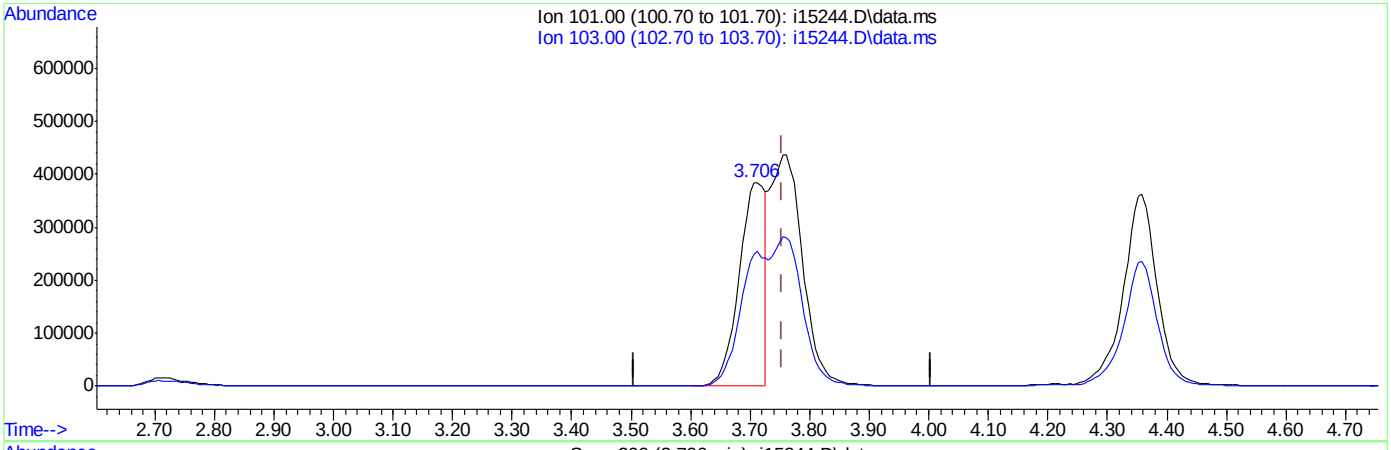

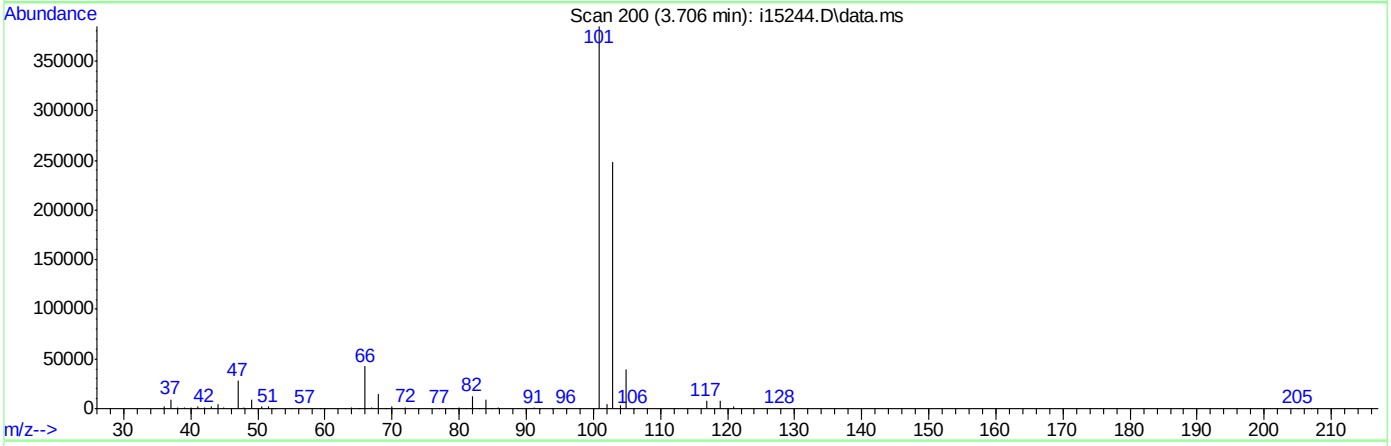

TIC: i15244.D\data.ms

(7) Trichlorofluoromethane ( )

3.706min (-0.049) 55.46ug/L

response 1150378

Ion	Exp%	Act%
101.00	100	100
103.00	43.30	64.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
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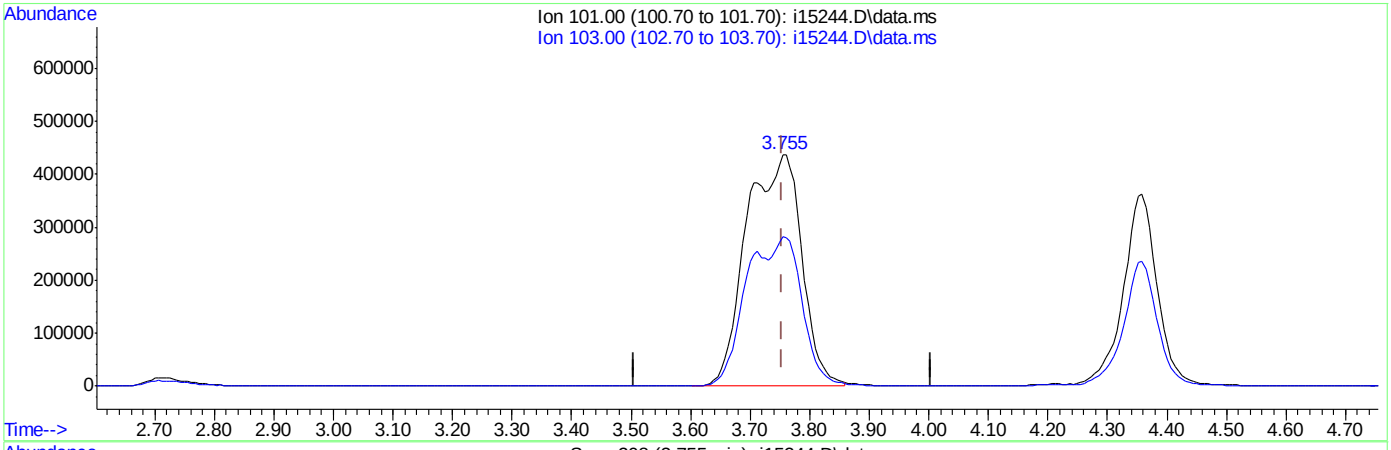

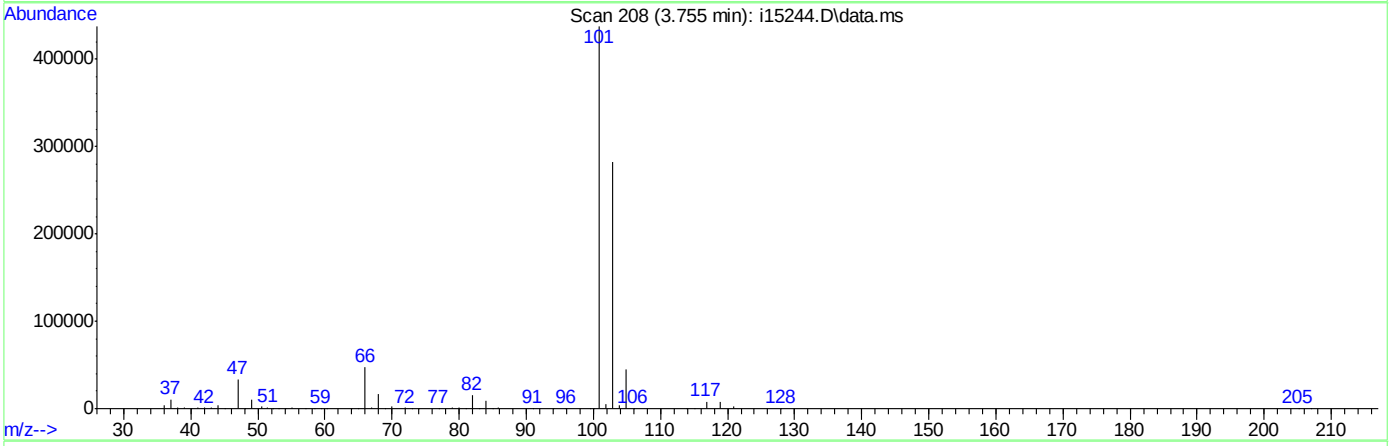

TIC: i15244.D\data.ms

(7) Trichlorofluoromethane ( )

3.755min (0.000) 135.45ug/L m

response 2809660

Ion	Exp%	Act%
101.00	100	100
103.00	43.30	64.54
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 16:26:23 2013
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Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
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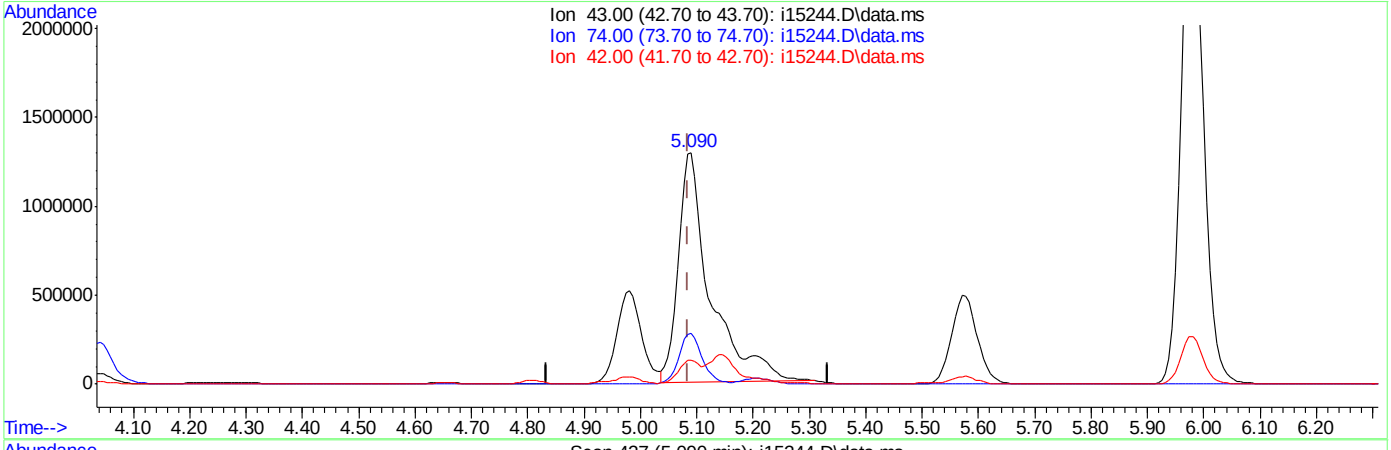

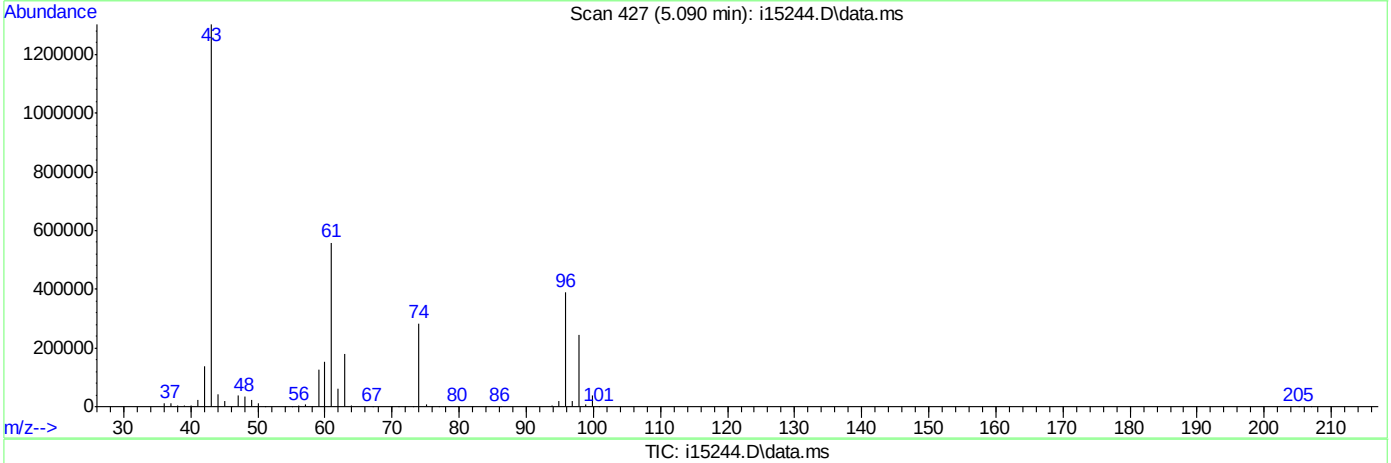

TIC: i15244.D\data.ms

(17) Methyl acetate

5.090min (+0.006) 700.02ug/L

response 5158746

Ion	Exp%	Act%
43.00	100	100
74.00	26.50	22.13
42.00	14.70	10.28
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
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Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
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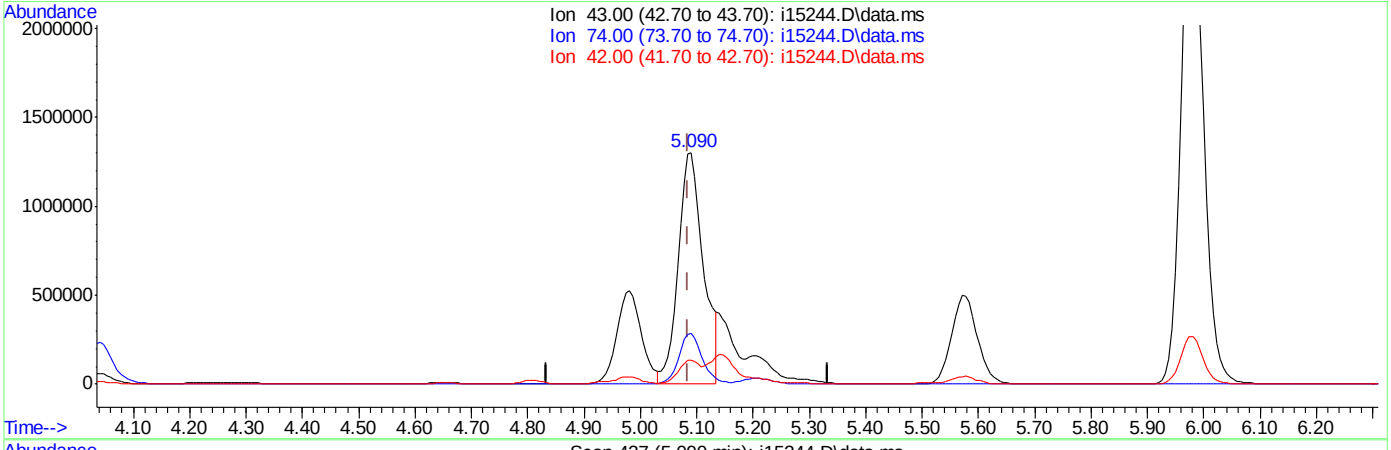

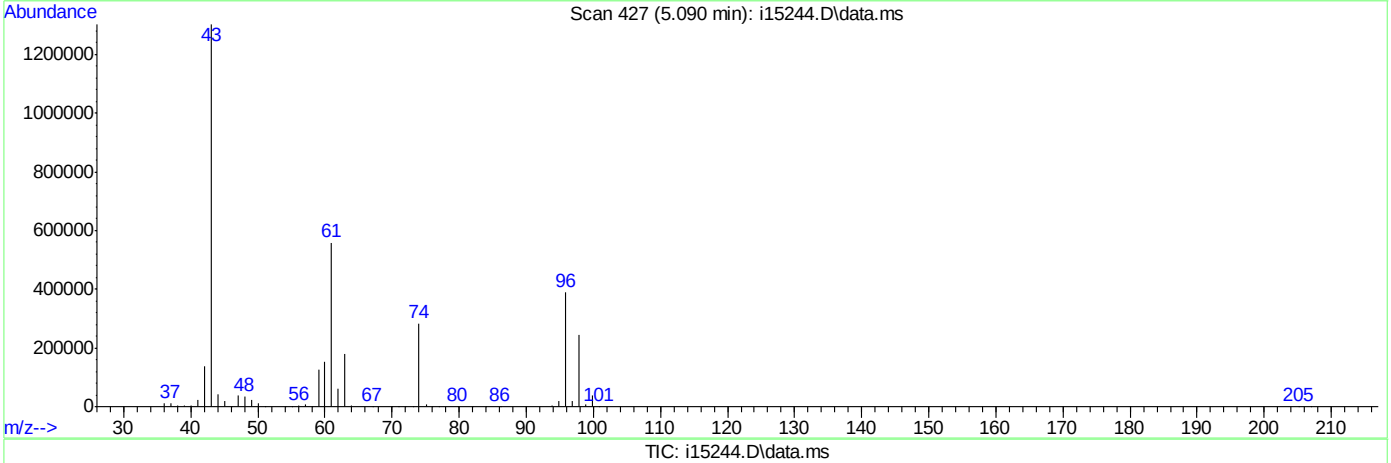

TIC: i15244.D\data.ms

(17) Methyl acetate

5.090min (+0.006) 561.55ug/L m

response 4046356

Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.83
42.00	14.70	10.44
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
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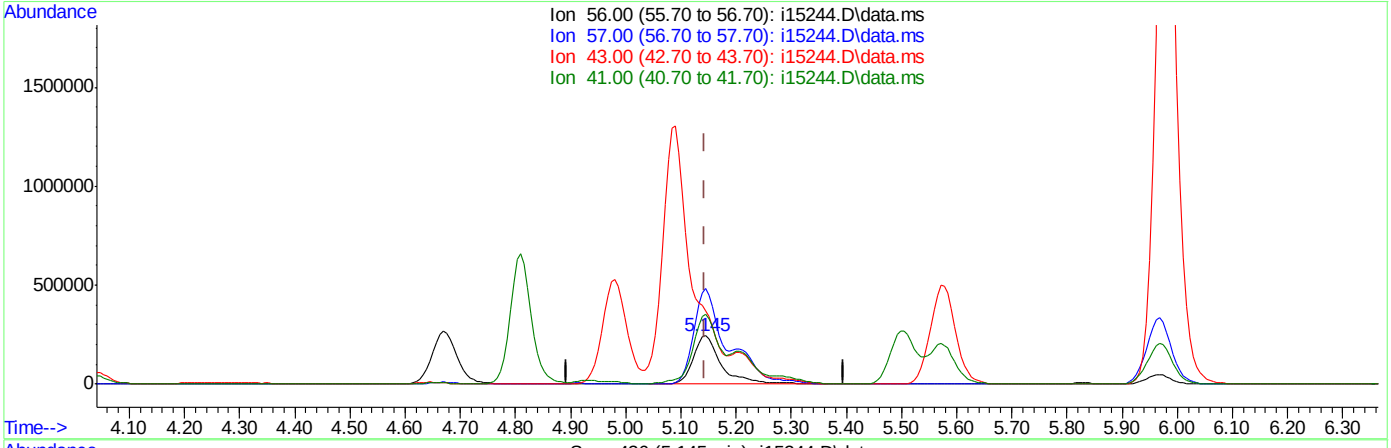

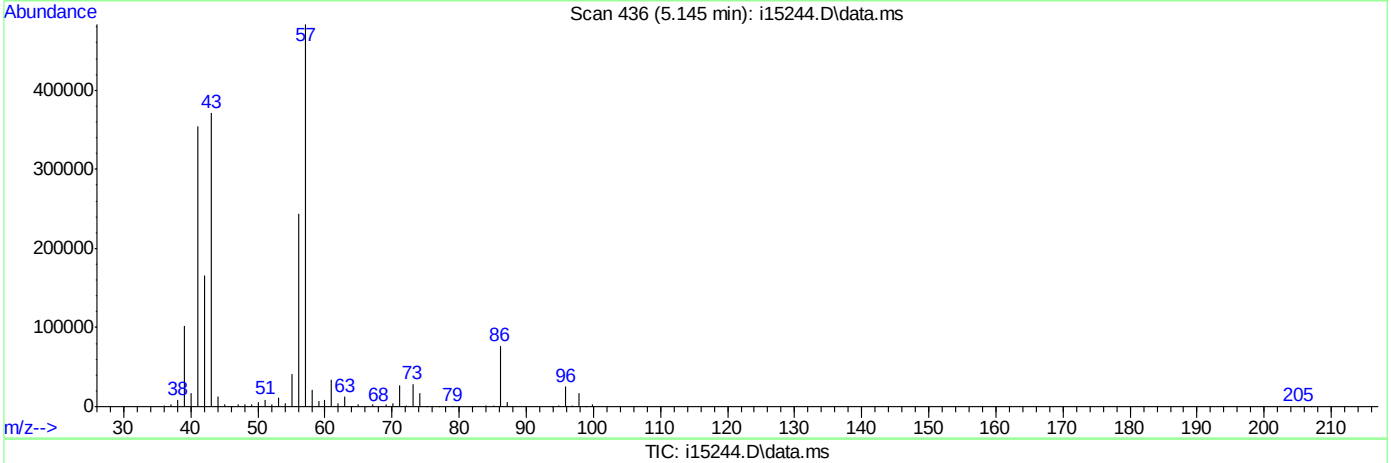

TIC: i15244.D\data.ms

(19) Hexane

5.145min (-0.000) 121.27ug/L

response 874734

Ion	Exp%	Act%
56.00	100	100
57.00	157.00	198.60#
43.00	185.00	151.38#
41.00	125.10	143.85

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
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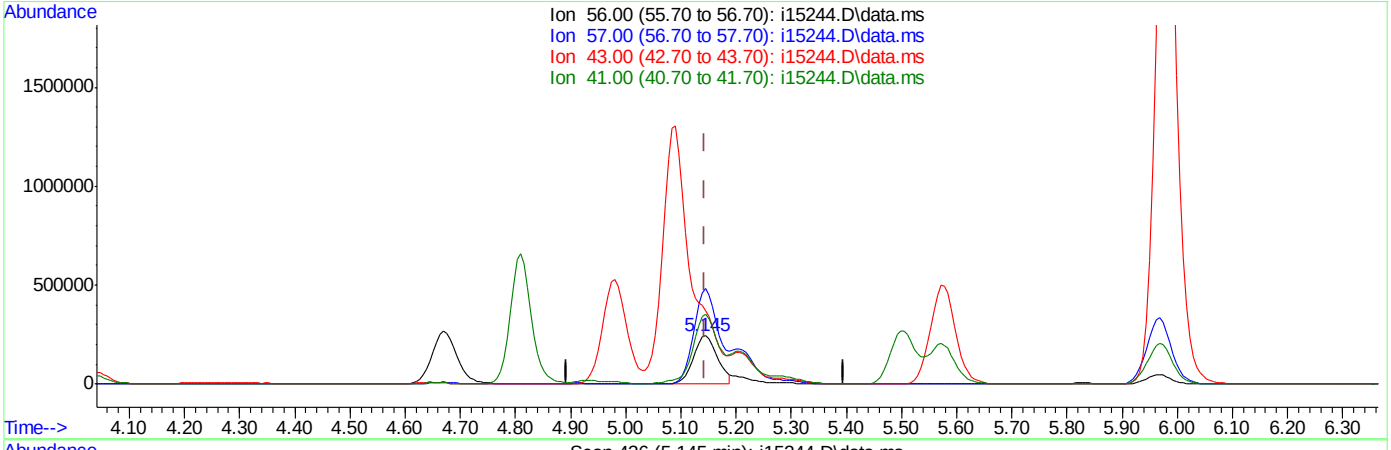
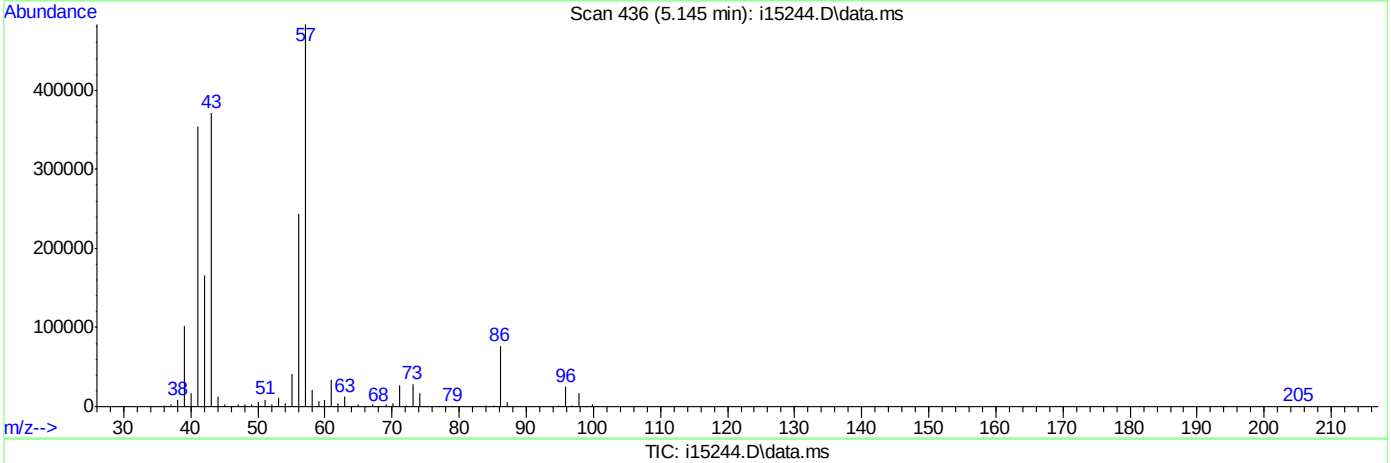




TIC: i15244.D\data.ms

(19) Hexane

5.145min (-0.000) 102.17ug/L m

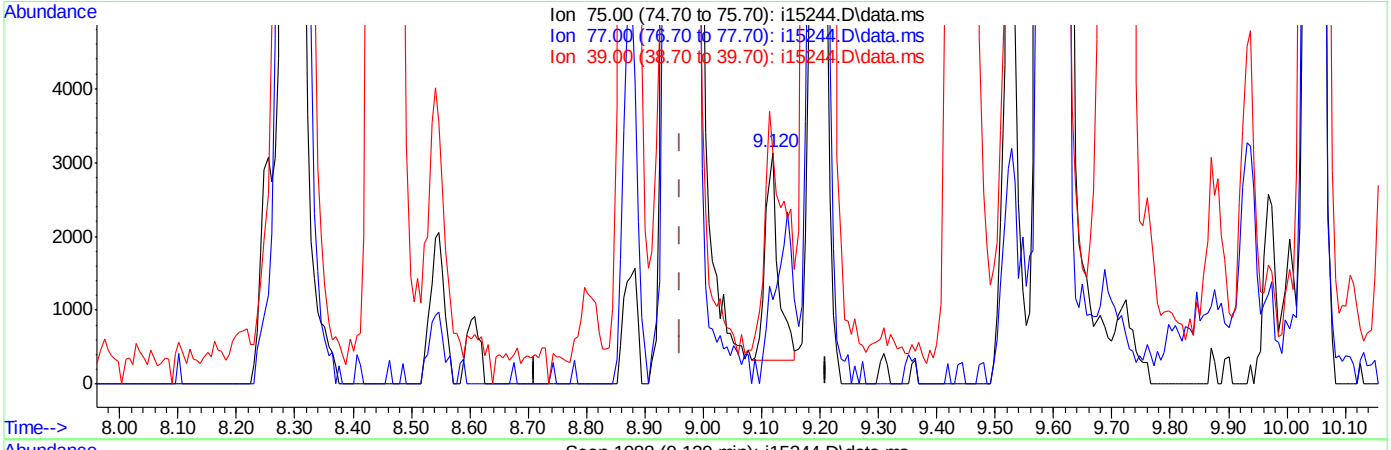
response 737006

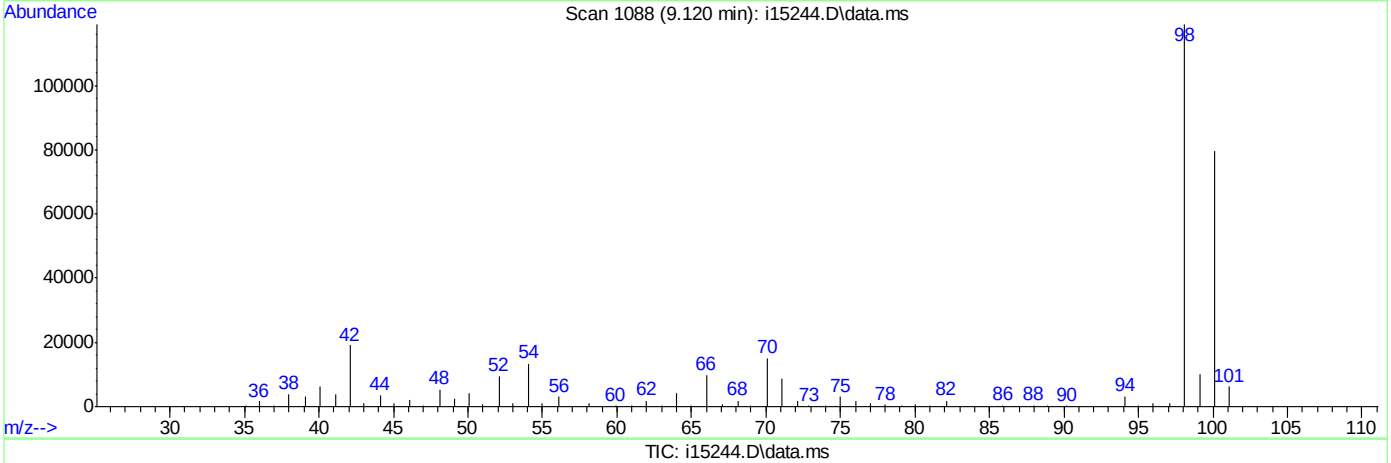
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	198.79#
43.00	185.00	152.51#
41.00	125.10	145.49#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 16:26:23 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15244.D\data.ms

(53) cis-1,3-Dichloropropene

9.120min (+0.159) 0.27ug/L

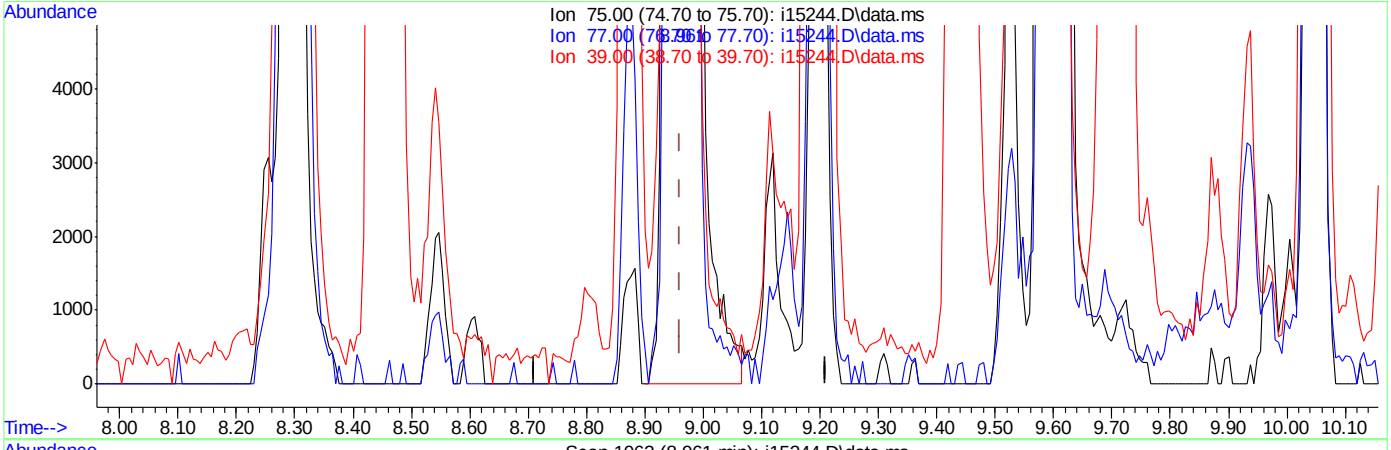
response 4415

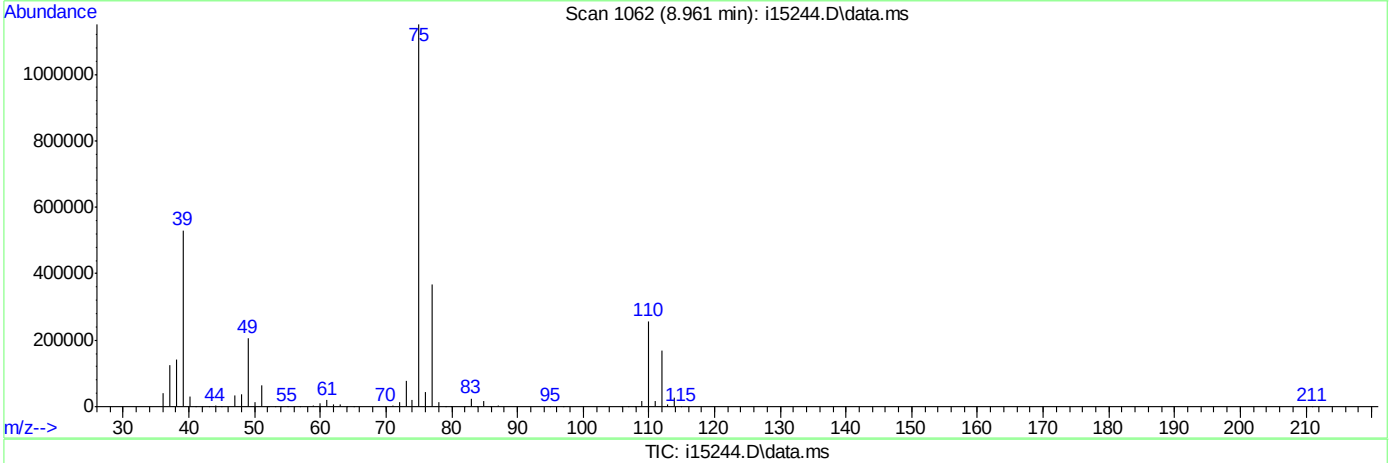
Ion	Exp%	Act%
75.00	100	100
77.00	37.10	40.57
39.00	87.10	95.02
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 16:26:23 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15244.D\data.ms

(53) cis-1,3-Dichloropropene

8.961min (+0.000) 108.30ug/L m

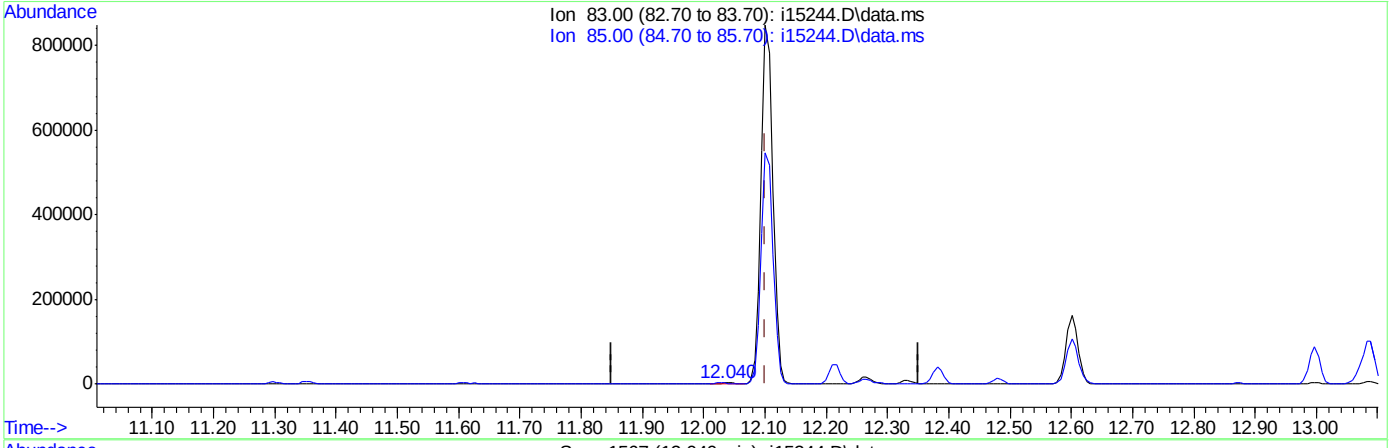
response 1796246

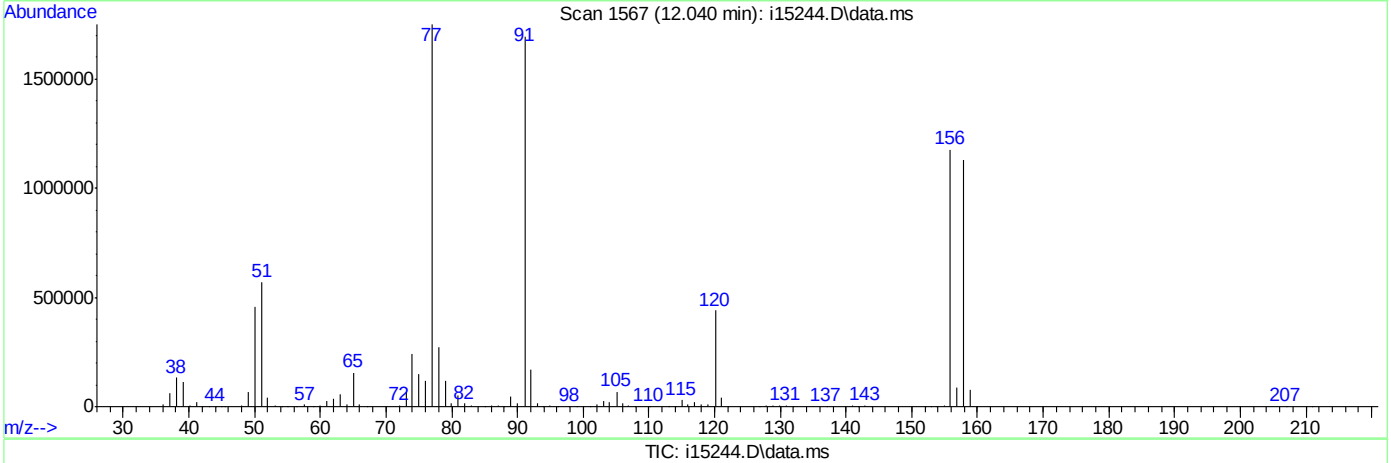
Ion	Exp%	Act%
75.00	100	100
77.00	37.10	31.88
39.00	87.10	46.14#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 16:26:23 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





(81) 1,1,2,2-Tetrachloroethane (P)

12.040min (-0.061) 0.36ug/L

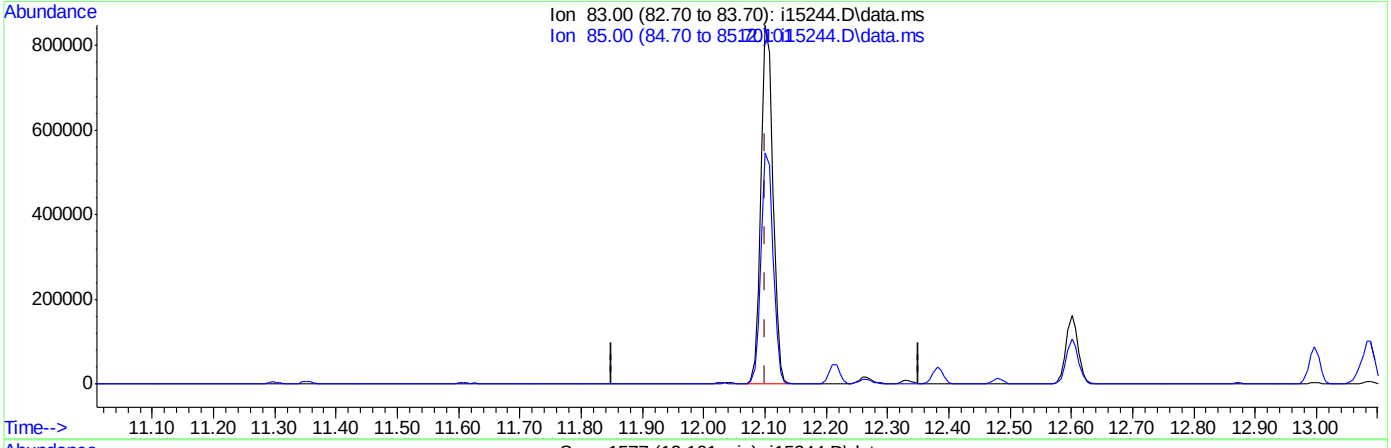
response 4073

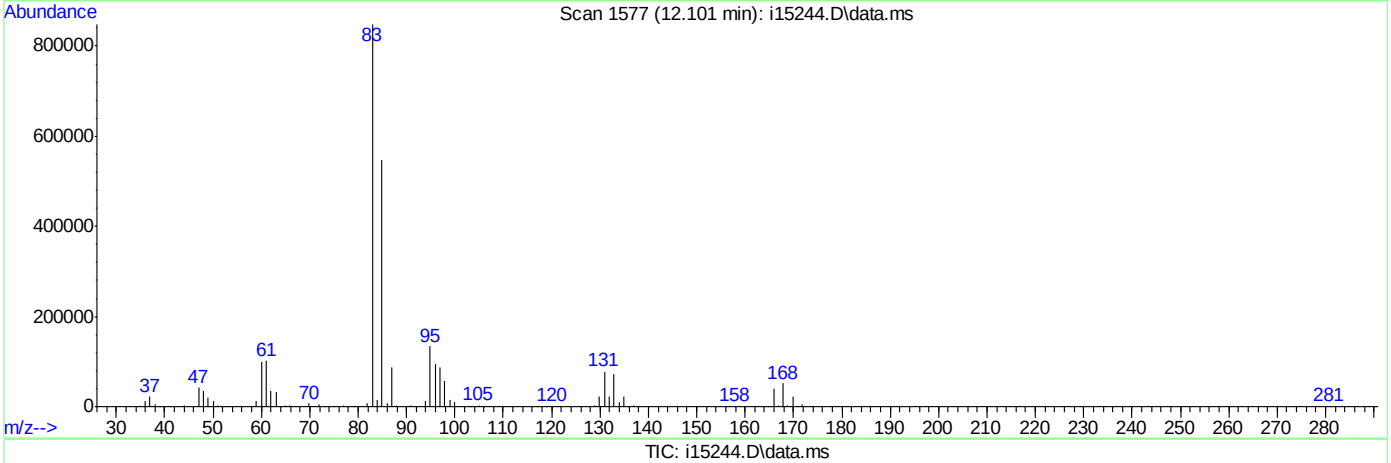
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	38.93
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 16:26:23 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15244.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.101min (-0.000) 101.89ug/L m

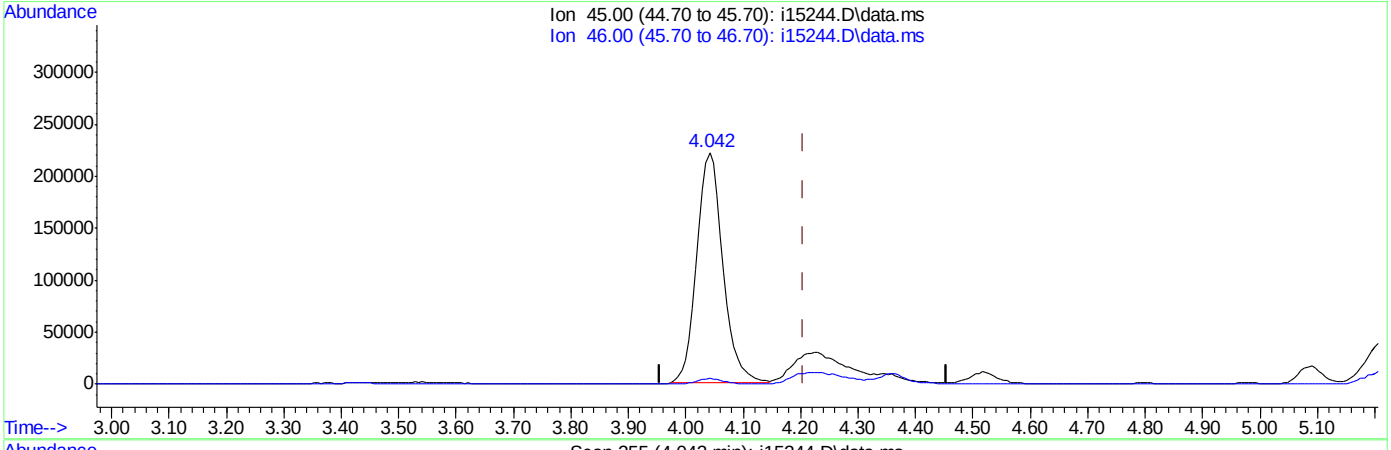
response 1152298

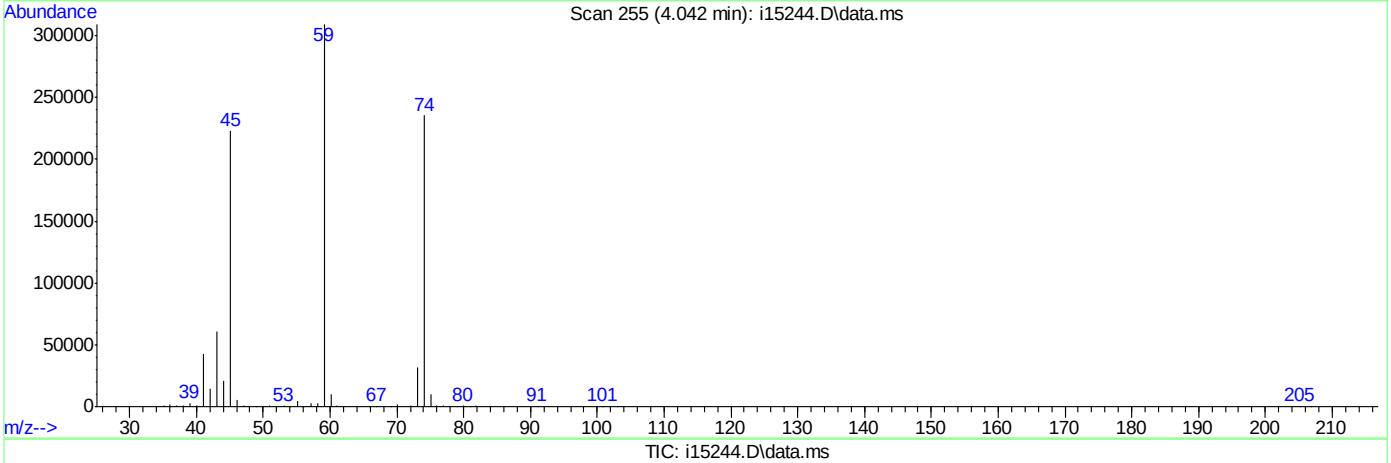
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	64.50#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 16:26:23 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
Response via : Initial Calibration





TIC: i15244.D\data.ms

(104) Ethanol

4.042min (-0.164) -250.00ug/L

response 692978

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.44
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15244.D
Acq On : 30 Oct 2013 4:08 pm
Operator : WILFREDO
Sample : ic195-6
Misc : ms25522,vi195,,,,,
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Oct 30 16:26:23 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 24 10:51:36 2013
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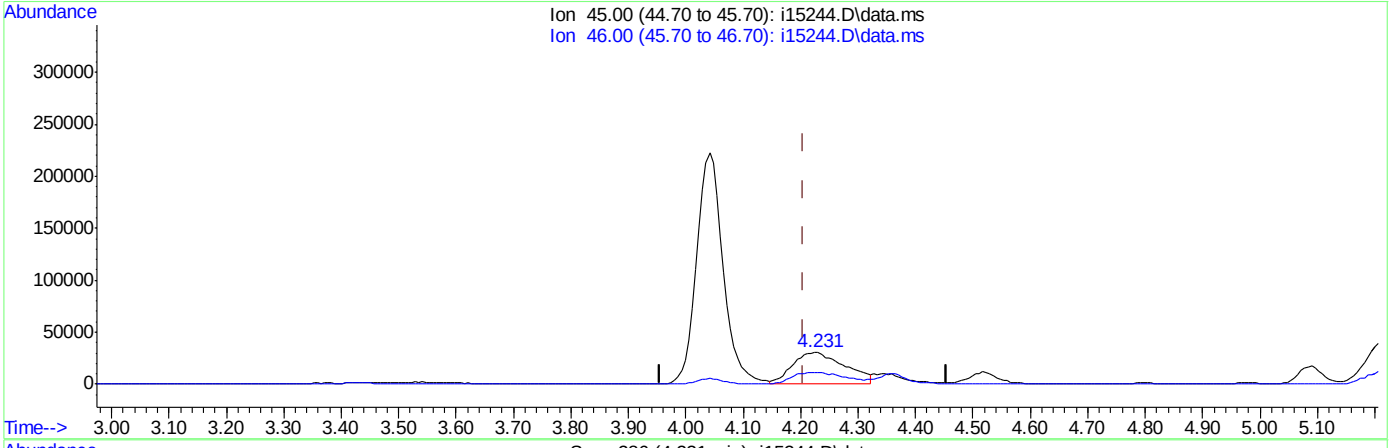
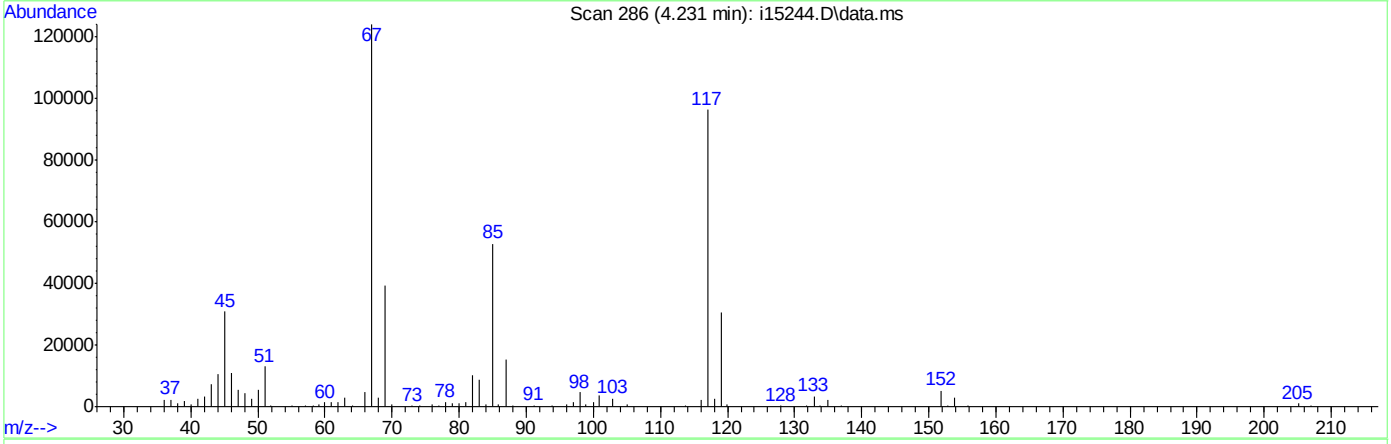




TIC: i15244.D\data.ms

(104) Ethanol

4.231min (+0.025) -250.00ug/L m

response 195839

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	35.03#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 09:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:21:59 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.596	96	1748097	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1405597	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	701943	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.200	65	127830	250.00	ug/L	0.00
System Monitoring Compounds						
35) Dibromofluoromethane	6.779	113	481457	48.58	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.16%			
44) 1,2-Dichloroethane-d4	7.333	65	542048	48.13	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.26%			
55) Toluene-d8	9.144	98	1710164	46.14	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 92.28%			
77) 4-Bromofluorobenzene	11.918	174	508478	46.51	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.02%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.712	85	436860	49.14	ug/L #	59
3) Chloromethane	2.895	50	516029	36.85	ug/L	87
4) Vinyl Chloride	3.023	62	581468	35.56	ug/L	80
5) Bromomethane	3.420	94	441174	34.78	ug/L	100
6) Chloroethane	3.566	64	309825	34.19	ug/L #	100
7) Trichlorofluoromethane	3.755	101	794594m	31.11	ug/L	
8) Ethyl Ether	4.035	59	366659	38.48	ug/L	76
9) 1,2-Dichlorotrifluoroe...	4.273	67	633840	40.51	ug/L	95
10) 1,1-Dichloroethene	4.297	61	786368	44.53	ug/L	66
11) Freon 113	4.352	101	548220	38.48	ug/L #	49
12) Carbon Disulfide	4.358	76	1561717	37.45	ug/L	97
13) Iodomethane	4.480	142	969931	40.52	ug/L	77
14) Allyl chloride	4.810	41	602426	35.08	ug/L	86
15) Methylene Chloride	4.931	49	604723	43.81	ug/L	92
16) Acetone	4.980	43	502820	168.14	ug/L	82
17) Methyl acetate	5.090	43	1198353m	165.00	ug/L	
18) trans-1,2-Dichloroethene	5.096	61	600344	42.10	ug/L	88
19) Hexane	5.151	56	293221m	41.87	ug/L	
20) Methyl Tert Butyl Ether	5.206	73	955979	38.65	ug/L	81
21) Acetonitrile	5.498	41	300646	335.81	ug/L	85
22) Di-isopropyl ether	5.572	45	1238195	39.10	ug/L	92
23) Chloroprene	5.724	53	561307	39.52	ug/L #	92
24) 1,1-Dichloroethane	5.755	63	760461	41.87	ug/L	79
25) Acrylonitrile	5.822	53	571468	218.43	ug/L	81
26) ETBE	5.968	59	1125264	38.86	ug/L	93
27) Vinyl acetate	5.980	43	3217045	233.23	ug/L	84
28) cis-1,2-Dichloroethene	6.321	96	432306	42.76	ug/L	84
29) 2,2-Dichloropropane	6.449	77	621782	45.75	ug/L	93
30) Bromochloromethane	6.535	128	201393	38.87	ug/L #	46
31) Cyclohexane	6.541	56	624861	41.93	ug/L #	45
32) Chloroform	6.584	83	787945	41.64	ug/L	74
33) Ethyl acetate	6.675	43	1467629	204.12	ug/L	92
34) Tetrahydrofuran	6.760	42	79380	36.29	ug/L #	63

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:21:59 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon Tetrachloride	6.748	117	574765	43.64	ug/L		96
37) 1,1,1-Trichloroethane	6.827	97	651595	43.10	ug/L		90
38) 2-Butanone	6.895	43	696155	179.00	ug/L		76
39) 1,1-Dichloropropene	6.931	75	575588	44.63	ug/L		71
40) Propionitrile	7.224	54	390727	349.15	ug/L	#	66
41) Methacrylonitrile	7.236	41	2044620	363.65	ug/L		91
42) Benzene	7.193	78	1606549	42.29	ug/L		75
43) TAME	7.272	73	1055627	38.71	ug/L		91
45) 1,2-Dichloroethane	7.401	62	566135	42.18	ug/L		78
46) Trichloroethene	7.760	95	449062	43.20	ug/L	#	69
47) Methylcyclohexane	7.760	83	661281	40.62	ug/L		89
48) Dibromomethane	8.199	93	262485	41.59	ug/L		95
49) 1,2-Dichloropropane	8.297	63	423289	42.19	ug/L		82
50) Bromodichloromethane	8.339	83	569744	43.35	ug/L	#	89
51) Methyl methacrylate	8.449	41	257660	39.99	ug/L	#	67
52) 2-Chloroethyl vinyl ether	8.876	63	1242609	222.98	ug/L	#	36
53) cis-1,3-Dichloropropene	8.961	75	680320	43.86	ug/L	#	68
56) Toluene	9.199	91	1778264	41.33	ug/L		92
57) 2-Nitropropane	9.443	41	330113	192.26	ug/L	#	73
58) 4-Methyl-2-pentanone	9.553	43	1540883	202.86	ug/L		87
59) trans-1,3-Dichloropropene	9.595	75	650801	47.80	ug/L		91
60) Tetrachloroethene	9.583	166	459952	39.01	ug/L		89
61) Ethyl methacrylate	9.711	69	393042	36.14	ug/L		86
62) 1,1,2-Trichloroethane	9.766	83	302041	40.43	ug/L		97
63) Dibromochloromethane	9.955	129	423687	44.39	ug/L		87
64) 1,3-Dichloropropane	10.046	76	605535	40.92	ug/L		76
65) 1,2-Dibromoethane	10.211	107	357897	42.93	ug/L		93
66) 2-hexanone	10.376	43	1057163	186.18	ug/L		89
67) 1-Chlorohexane	10.656	91	533772	38.66	ug/L	#	73
68) Ethylbenzene	10.717	91	2193879	42.05	ug/L		90
69) Chlorobenzene	10.717	112	1325801	45.74	ug/L		88
70) 1,1,1,2-Tetrachloroethane	10.772	131	433774	45.17	ug/L	#	73
71) m,p-Xylene	10.857	91	3352001	91.44	ug/L		95
72) o-Xylene	11.302	91	1579584	47.36	ug/L		90
73) Styrene	11.351	104	1250779	42.27	ug/L		87
74) Bromoform	11.406	173	253162	42.36	ug/L		86
75) Isopropylbenzene	11.607	105	1968326	46.67	ug/L		83
78) cis-1,4-Dichloro-2-butene	11.973	53	79522	38.73	ug/L	#	70
79) n-Propylbenzene	12.028	91	2474672	46.93	ug/L		87
80) Bromobenzene	12.040	156	541454	42.99	ug/L		86
81) 1,1,2,2-Tetrachloroethane	12.101	83	452566m	40.80	ug/L		
82) 1,3,5-Trimethylbenzene	12.217	105	1771504	43.62	ug/L		94
83) 2-Chlorotoluene	12.211	91	1698197	45.38	ug/L		96
84) trans-1,4-Dichloro-2-B...	12.290	53	86952	39.63	ug/L	#	84
85) 1,2,3-Trichloropropane	12.265	110	123512	41.94	ug/L		74
86) Cyclohexanone	12.332	55	55451	200.01	ug/L	#	75
87) 4-Chlorotoluene	12.381	91	1494631	47.92	ug/L		80
88) tert-Butylbenzene	12.552	91	933390	45.96	ug/L		98
89) 1,2,4-Trimethylbenzene	12.625	105	1727240	43.04	ug/L		95
90) Pentachloroethane	12.601	167	266789	45.60	ug/L	#	54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:21:59 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

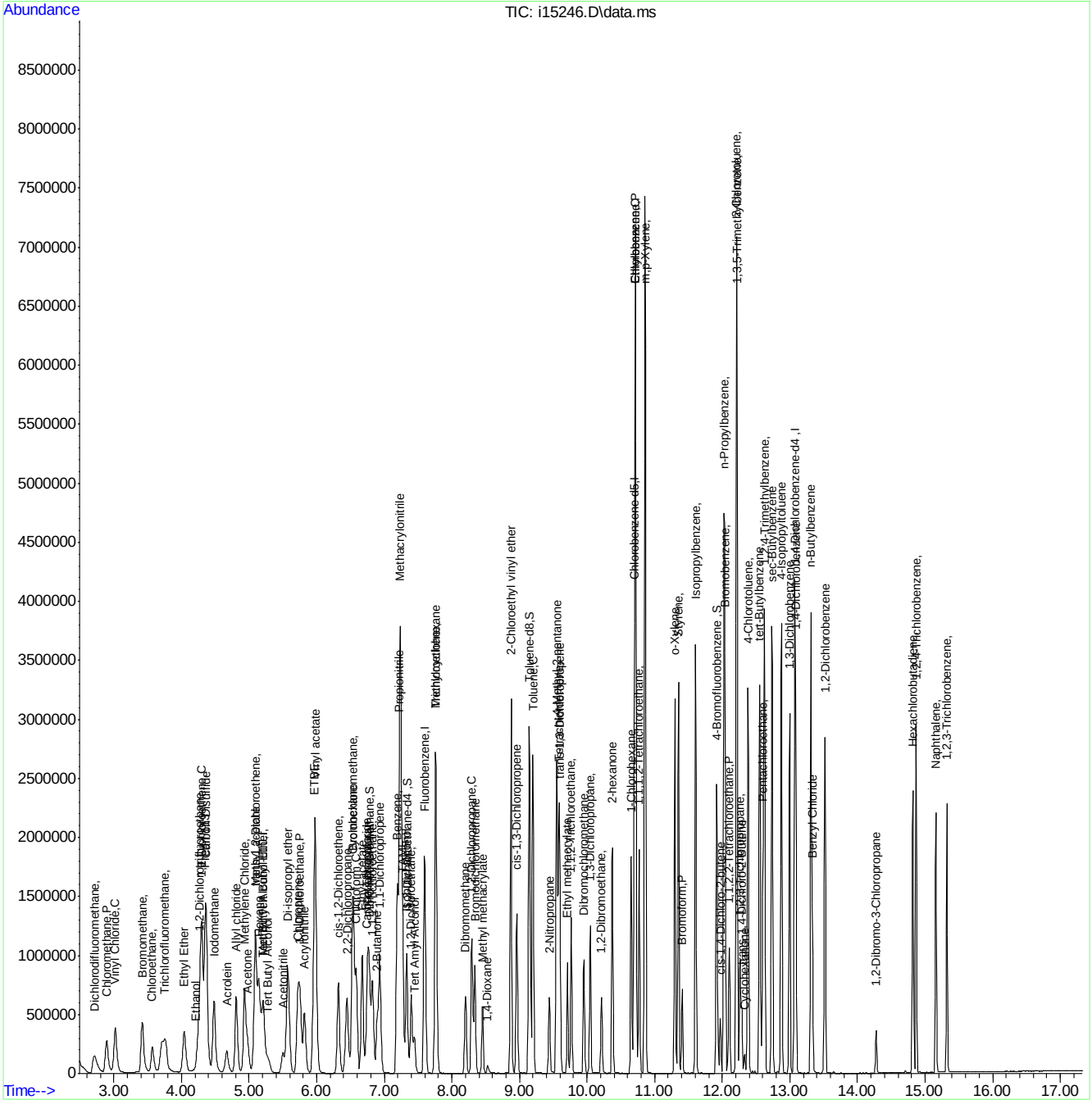
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91) sec-Butylbenzene	12.735	105	2183107	47.46	ug/L		95
92) 4-Isopropyltoluene	12.875	119	1798881	47.49	ug/L		86
93) 1,3-Dichlorobenzene	12.997	146	980275	47.15	ug/L		77
94) 1,4-Dichlorobenzene	13.088	146	1026292	41.93	ug/L	#	76
95) n-Butylbenzene	13.314	92	1019714	42.28	ug/L		95
96) Benzyl Chloride	13.332	126	147912	38.43	ug/L	#	1
97) 1,2-Dichlorobenzene	13.521	146	900061	45.34	ug/L		89
98) 1,2-Dibromo-3-Chloropr...	14.277	75	62491	43.44	ug/L	#	62
99) Hexachlorobutadiene	14.820	225	278795	43.25	ug/L		86
100) 1,2,4-Trichlorobenzene	14.869	180	585783	43.51	ug/L		87
101) Naphthalene	15.161	128	1154489	45.01	ug/L		98
102) 1,2,3-Trichlorobenzene	15.326	180	504540	44.21	ug/L		87
104) Ethanol	4.206	45	69831m	799.32	ug/L		
105) Acrolein	4.669	56	281385	188.71	ug/L		88
106) Tert Butyl Alcohol	5.279	59	239921	396.39	ug/L	#	100
107) Isobutyl alcohol	7.327	42	133138	704.89	ug/L	#	43
108) Tert Amyl Alcohol	7.443	59	191638	393.06	ug/L		50
109) 1,4-Dioxane	8.528	88	49767	797.26	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:21:59 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



Manual Integration Approval Summary

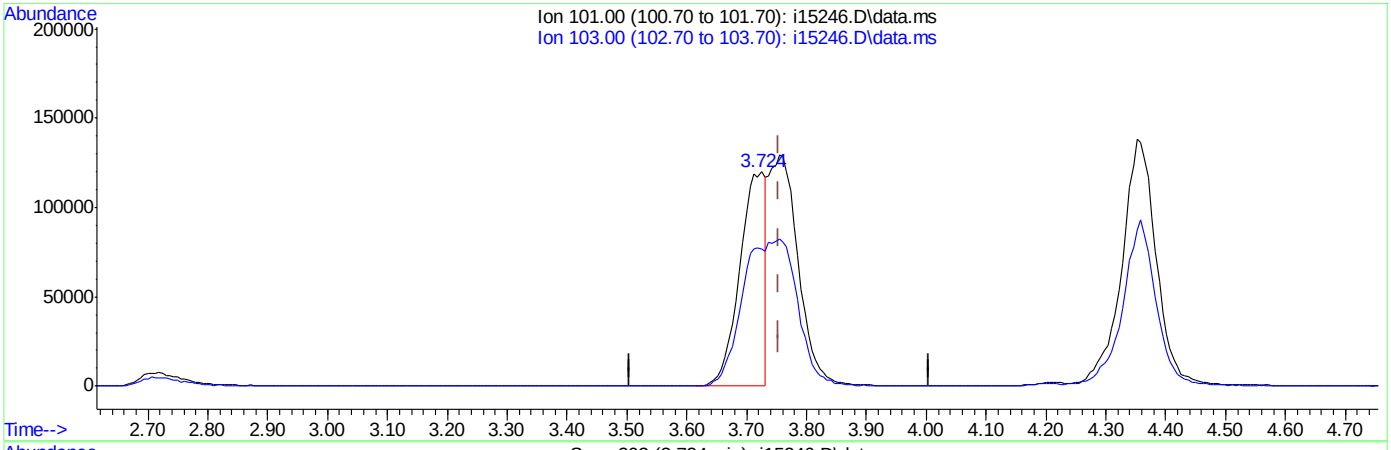
Sample Number: VI195-ICV195
Lab FileID: I15246.D
Injection Time: 10/30/13 16:55
Method: SW846 8260B
Analyst approved: 10/31/13 16:18 Wilfredo Vazquez
Supervisor approved: 11/01/13 09:56 Juan Garcia

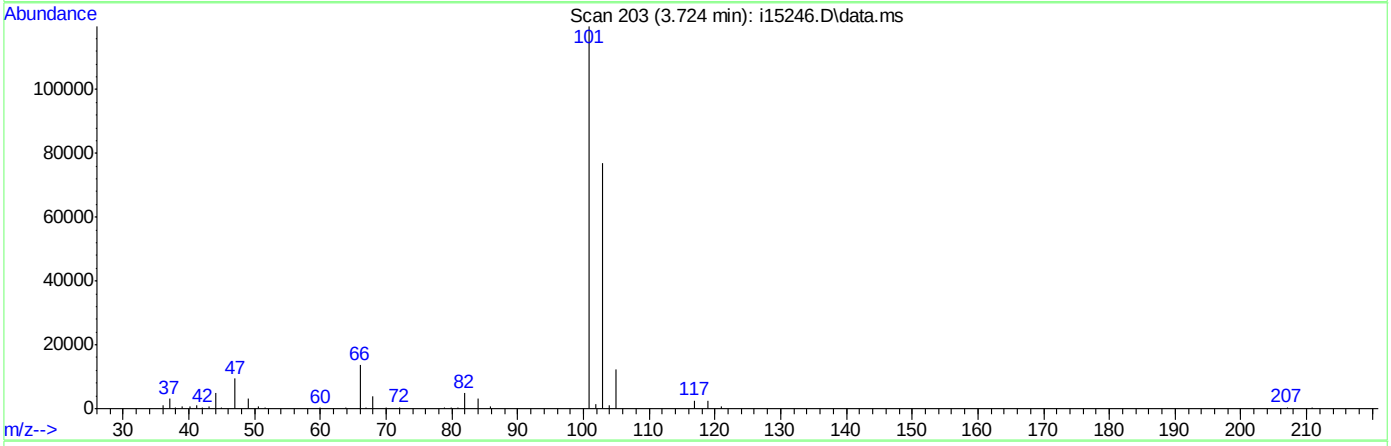
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.75	Split peak
Ethyl Alcohol	64-17-5		4.21	Missed peak
Methyl Acetate	79-20-9		5.09	Overlapping peak
Hexane	110-54-3		5.15	Overlapping peak
1,1,2,2-Tetrachloroethane	79-34-5		12.10	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration





TIC: i15246.D\data.ms

(7) Trichlorofluoromethane ( )

3.724min (-0.031) 13.44ug/L

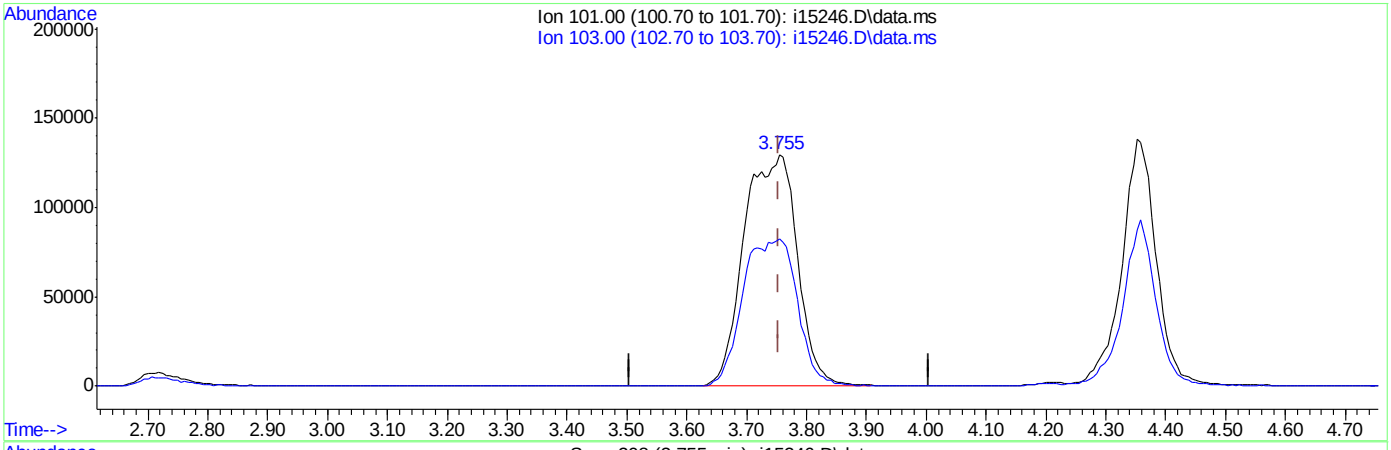
response 355766

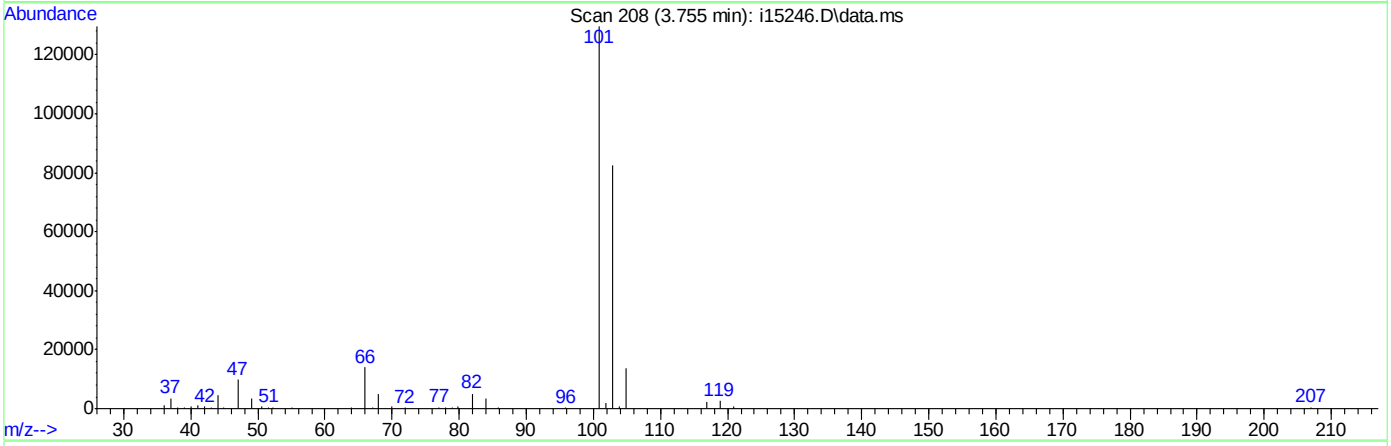
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	64.22
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration





TIC: i15246.D\data.ms

(7) Trichlorofluoromethane ( )

3.755min (-0.000) 30.18ug/L m

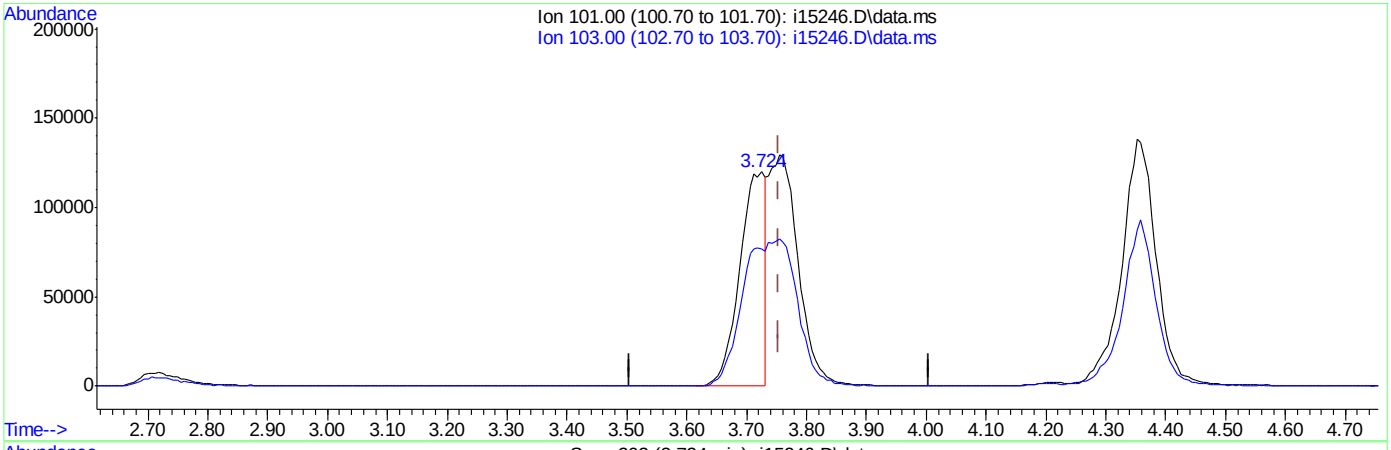
response 798855

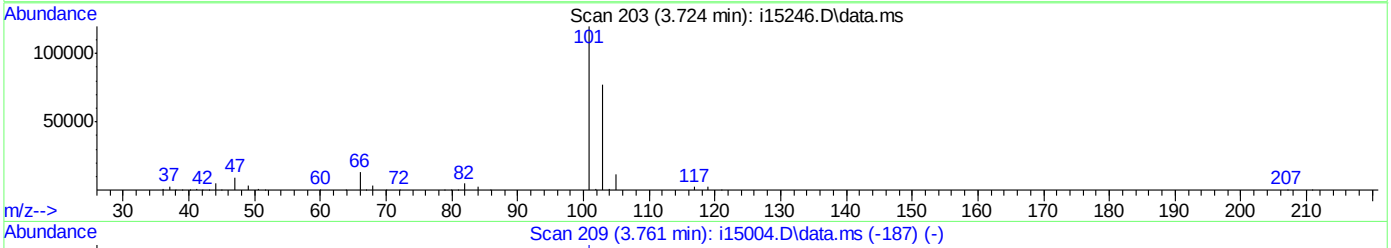
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	63.66
0.00	0.00	0.00
0.00	0.00	0.00

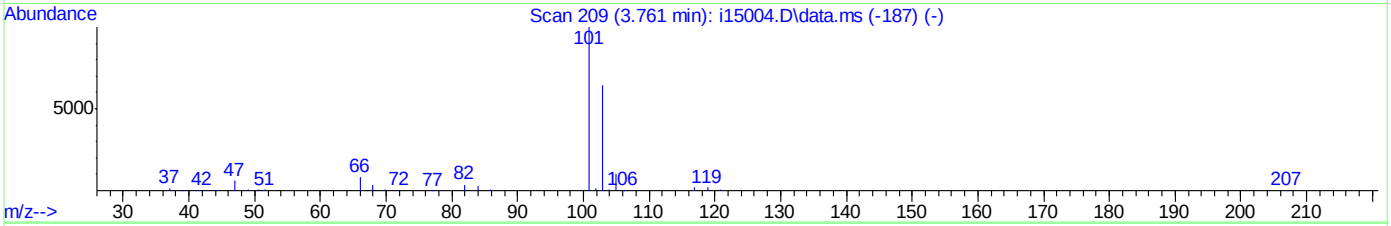
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration







TIC: i15246.D\data.ms

(7) Trichlorofluoromethane ( )

3.724min (-0.031) 13.44ug/L

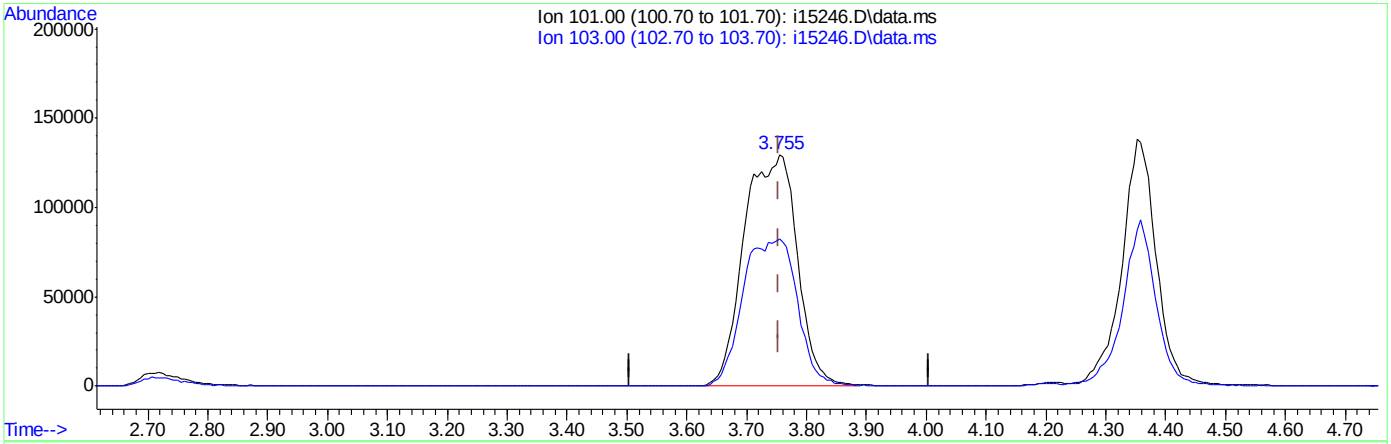
response 355766

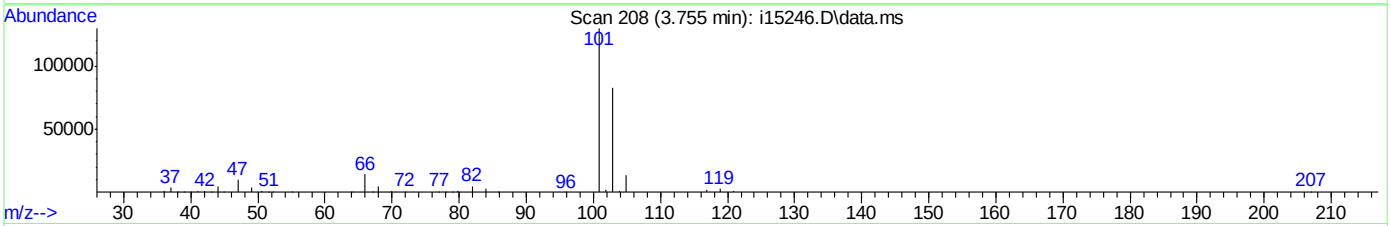
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	64.22
0.00	0.00	0.00
0.00	0.00	0.00

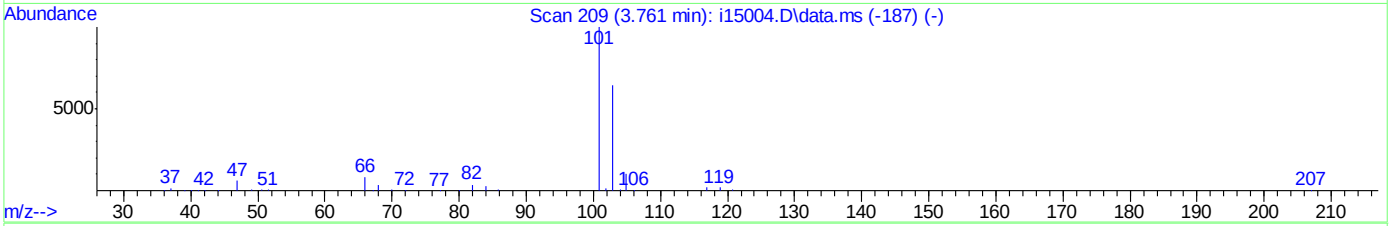
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration







TIC: i15246.D\data.ms

(7) Trichlorofluoromethane ( )

3.755min (-0.000) 30.14ug/L m

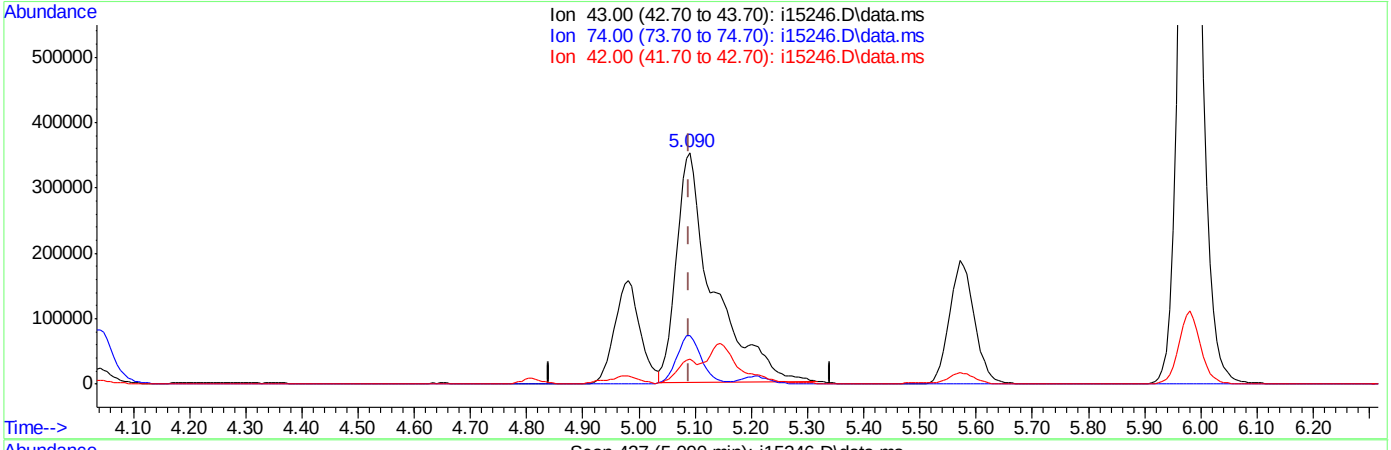
response 797711

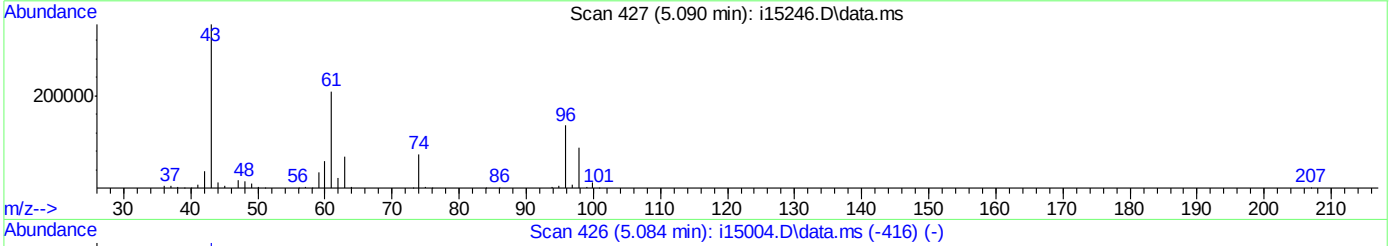
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	63.66
0.00	0.00	0.00
0.00	0.00	0.00

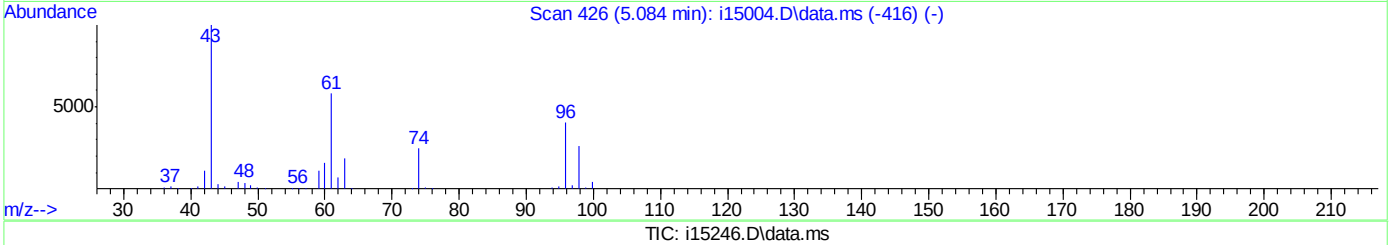
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration







TIC: i15246.D\data.ms

(17) Methyl acetate

5.090min (-0.000) 215.13ug/L

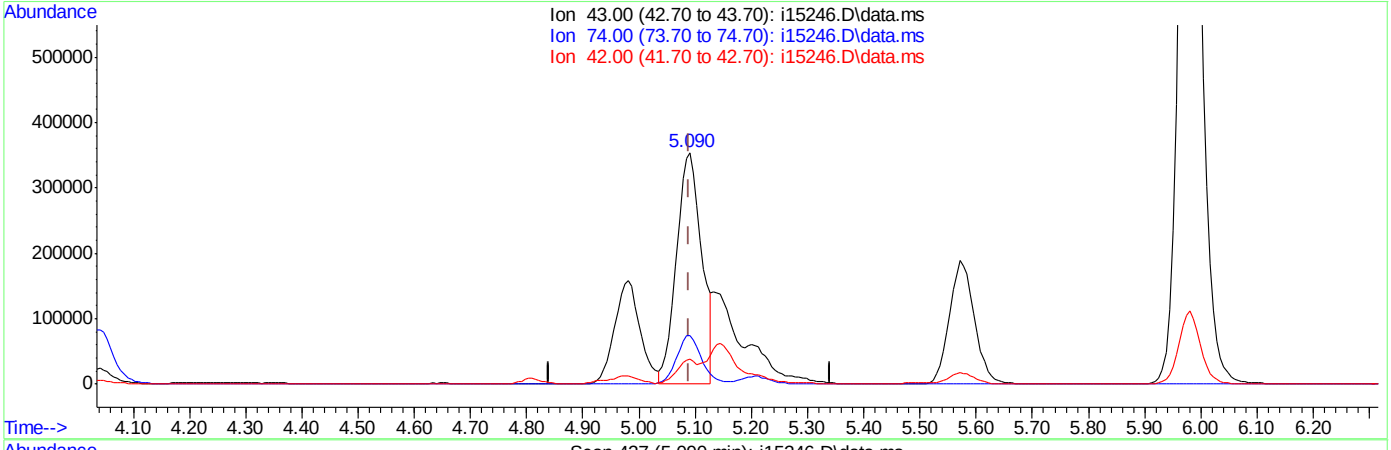
response 1608002

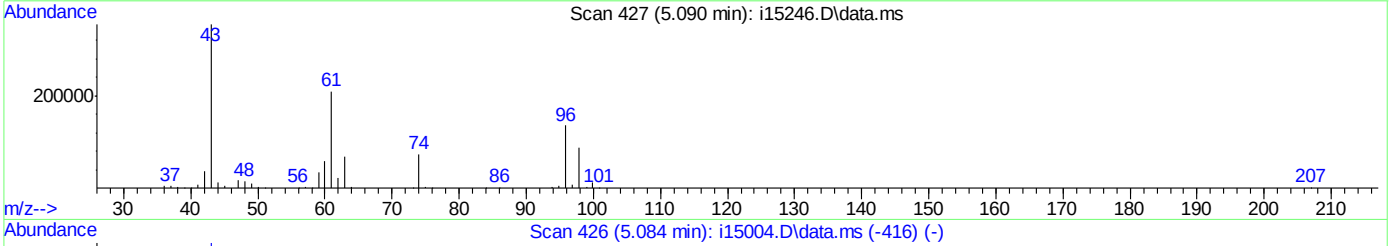
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.06
42.00	14.70	10.48
0.00	0.00	0.00

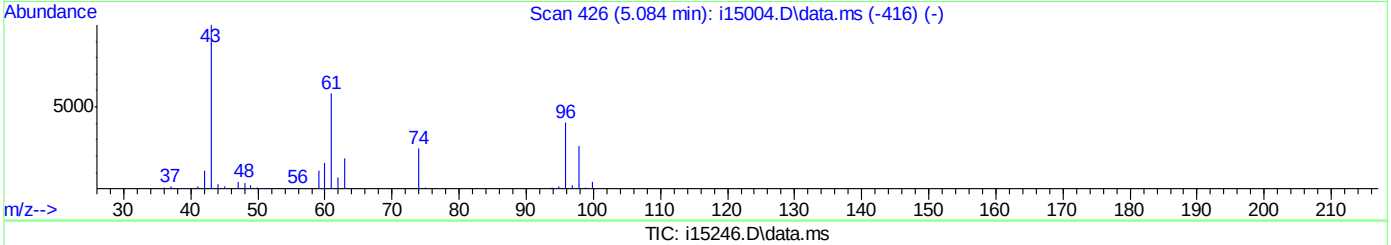
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration







TIC: i15246.D\data.ms

(17) Methyl acetate

5.090min (-0.000) 146.58ug/L m

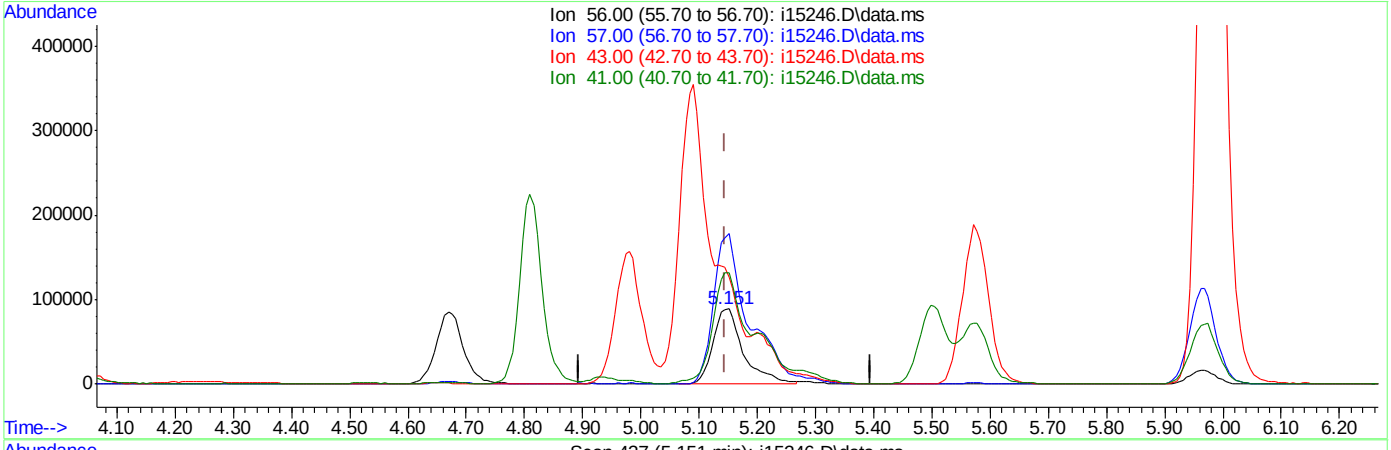
response 1095618

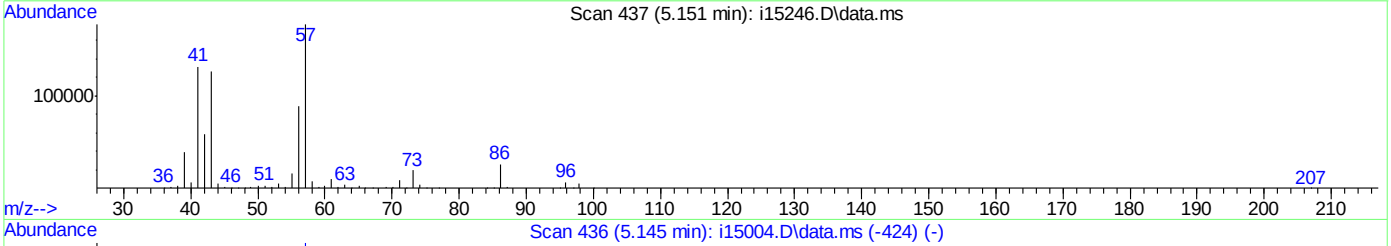
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	20.79
42.00	14.70	10.70
0.00	0.00	0.00

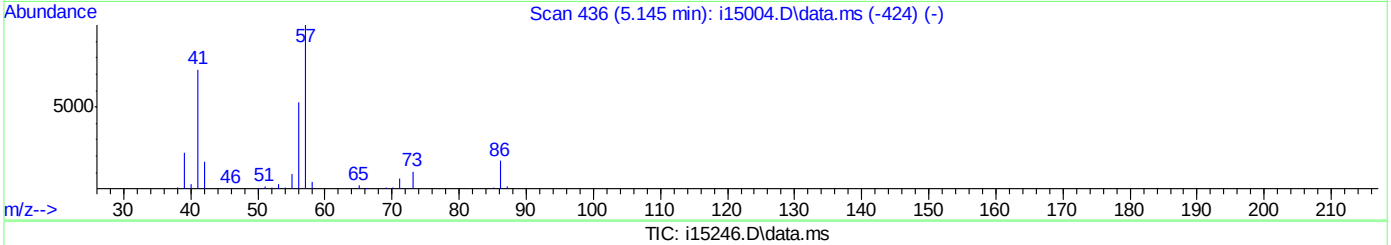
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration







TIC: i15246.D\data.ms

(19) Hexane

5.151min (+0.006) 46.39ug/L

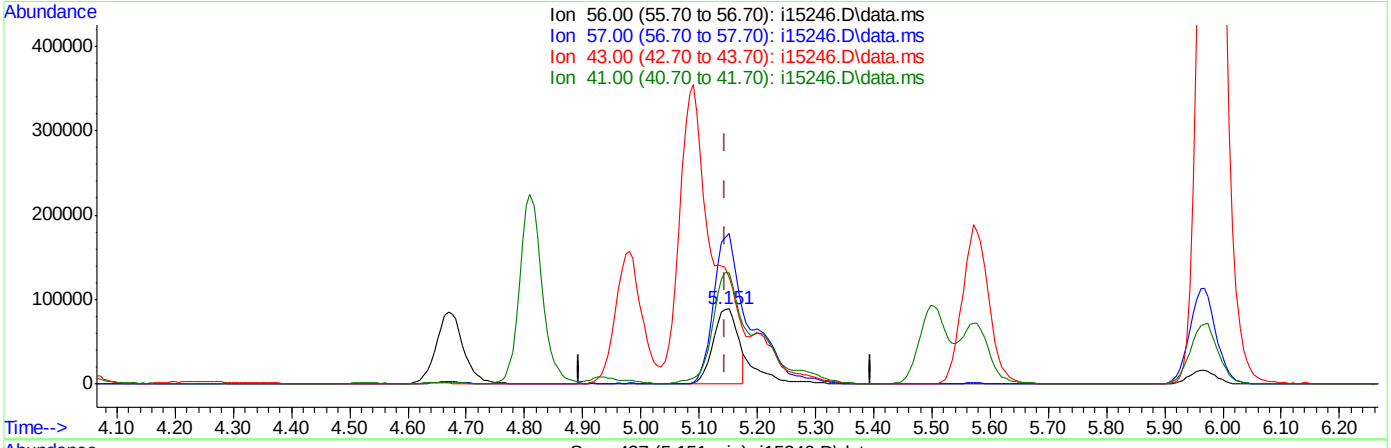
response 324899

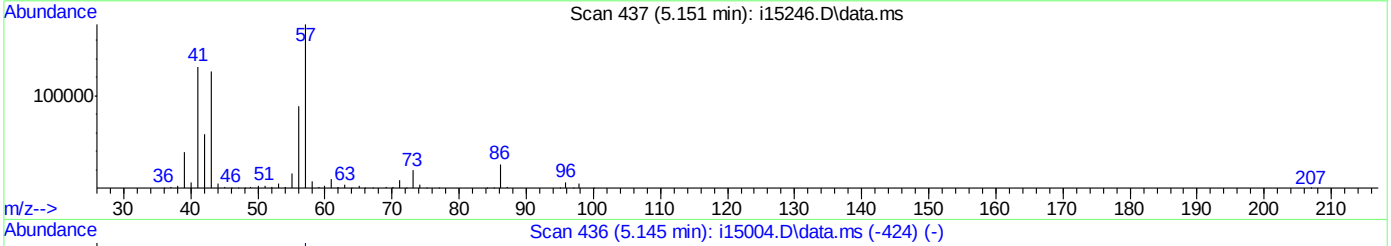
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	199.00#
43.00	185.00	127.73#
41.00	125.10	144.50

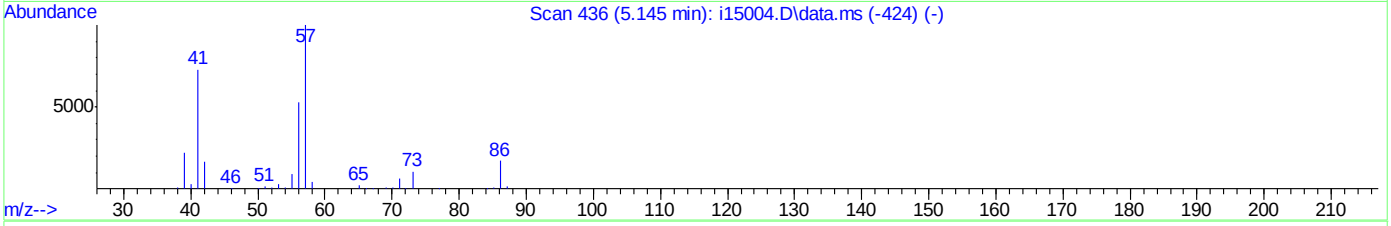
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration







TIC: i15246.D\data.ms

(19) Hexane

5.151min (+0.006) 37.37ug/L m

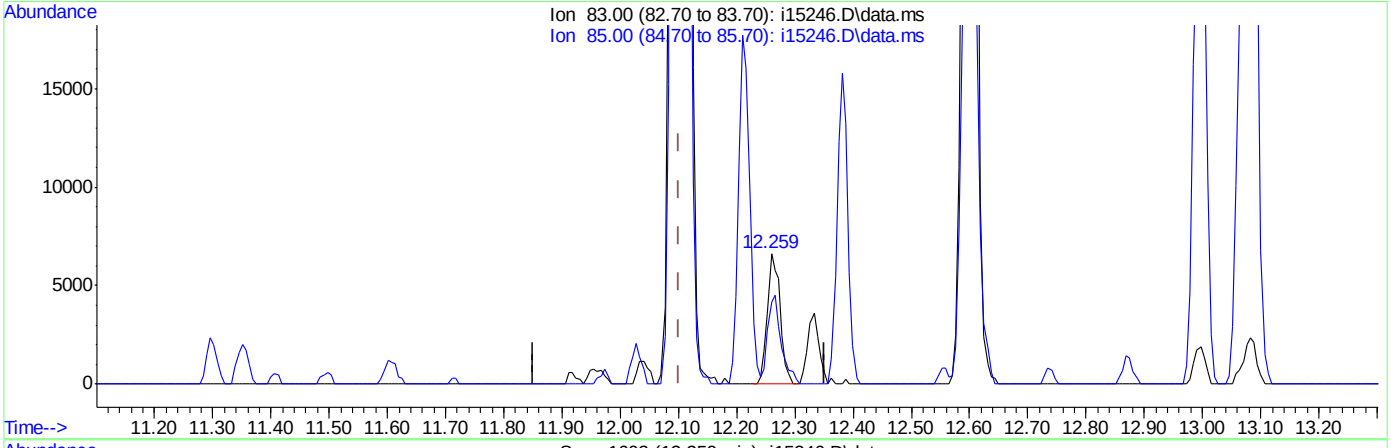
response 261713

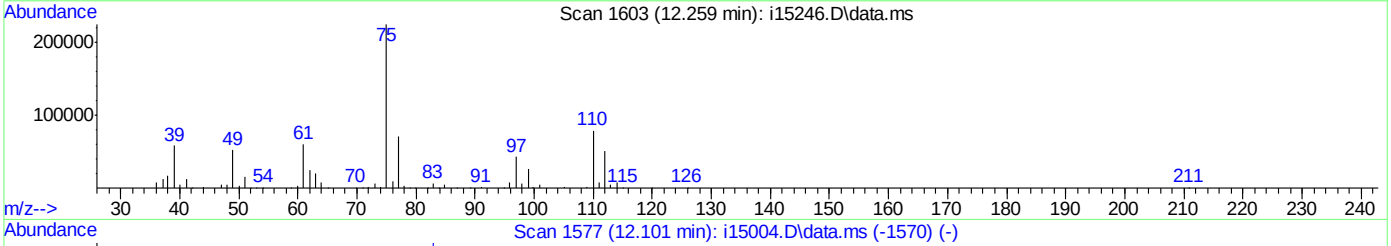
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	199.00#
43.00	185.00	141.31#
41.00	125.10	147.49#

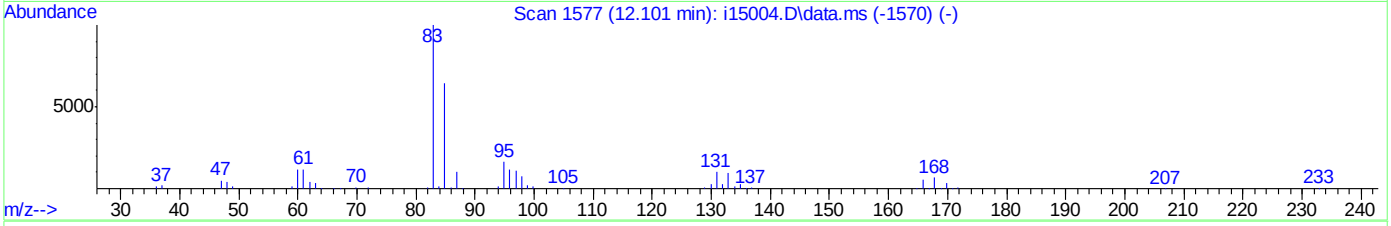
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration







TIC: i15246.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.259min (+0.158) 0.91ug/L

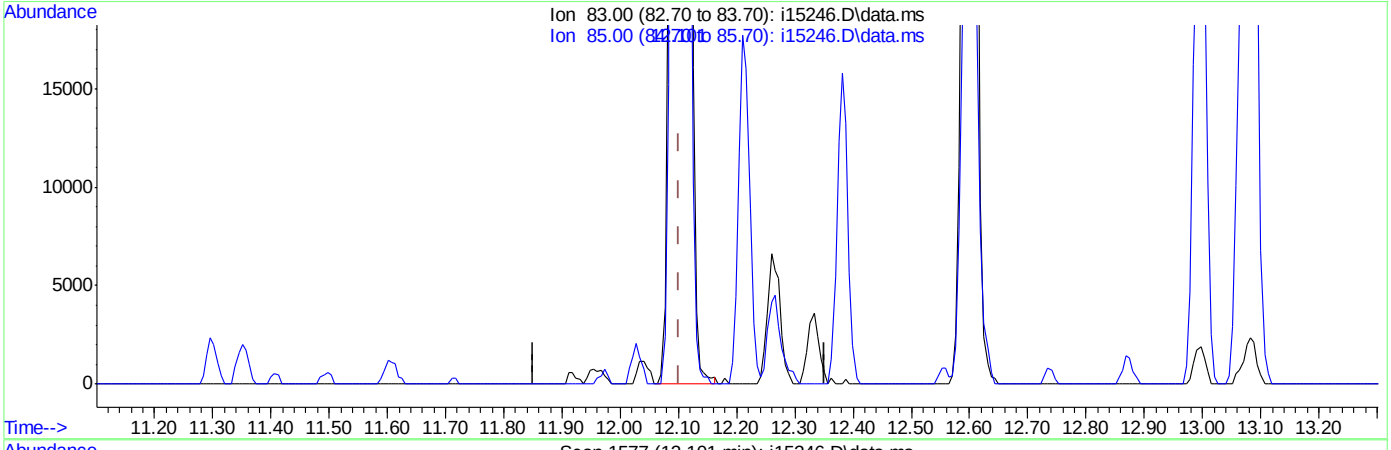
response 10045

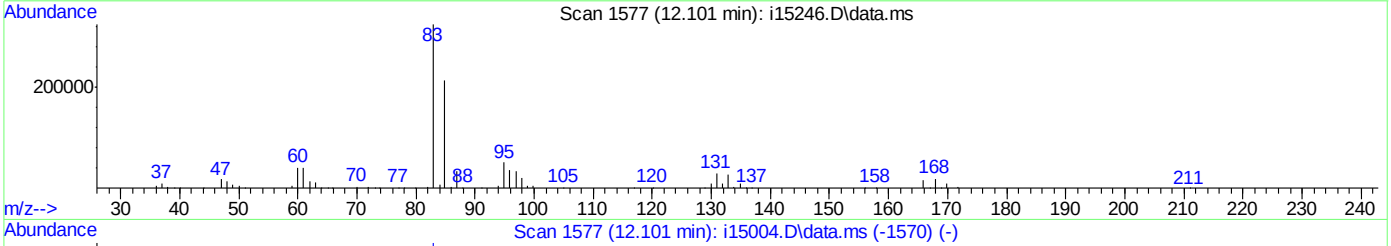
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	59.14
0.00	0.00	0.00
0.00	0.00	0.00

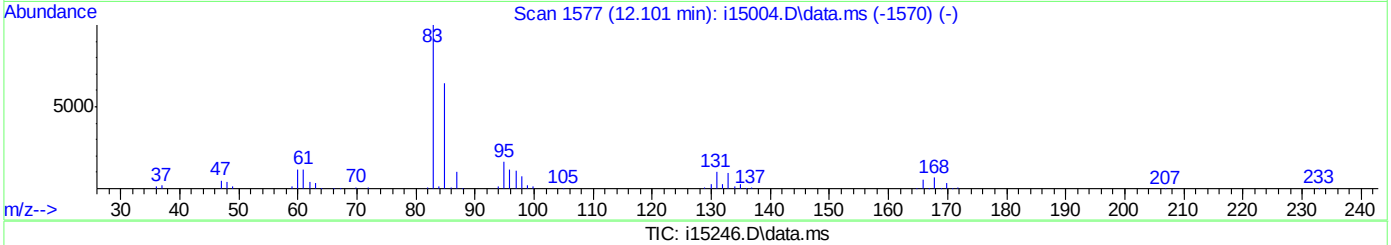
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration







TIC: i15246.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.101min (-0.000) 40.82ug/L m

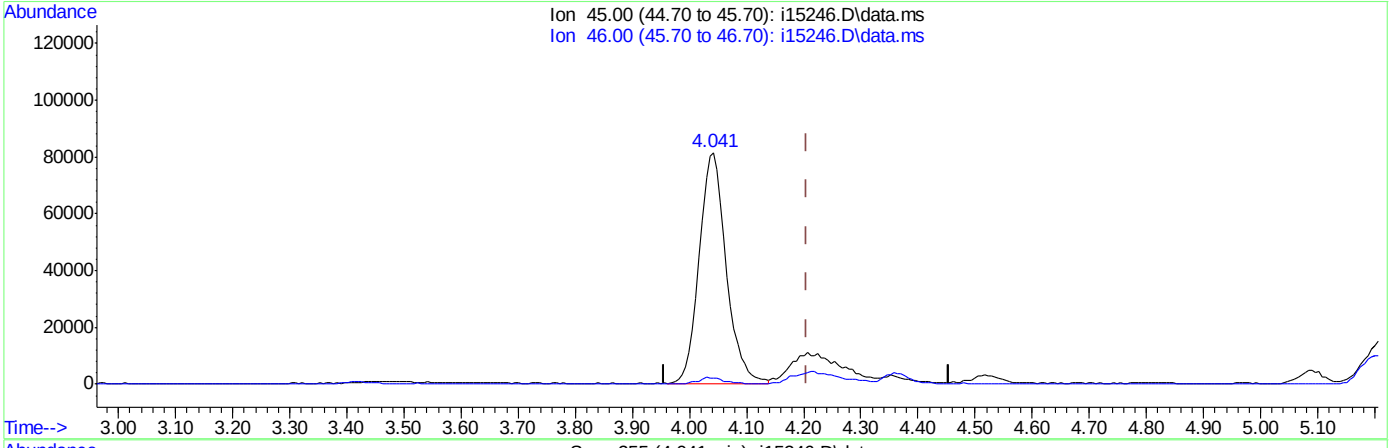
response 452701

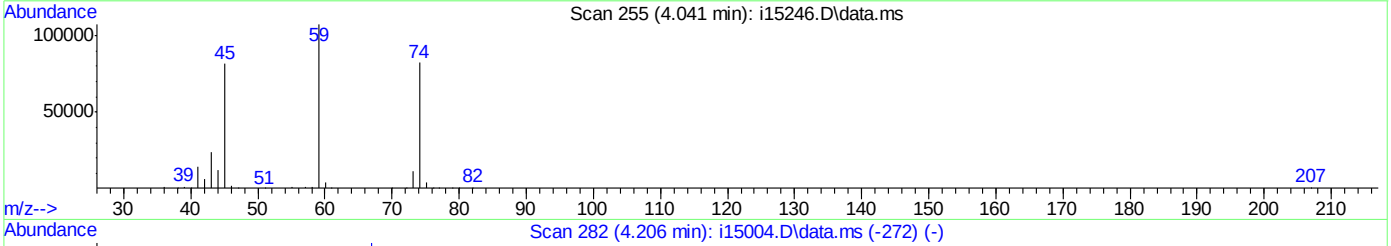
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	65.87#
0.00	0.00	0.00
0.00	0.00	0.00

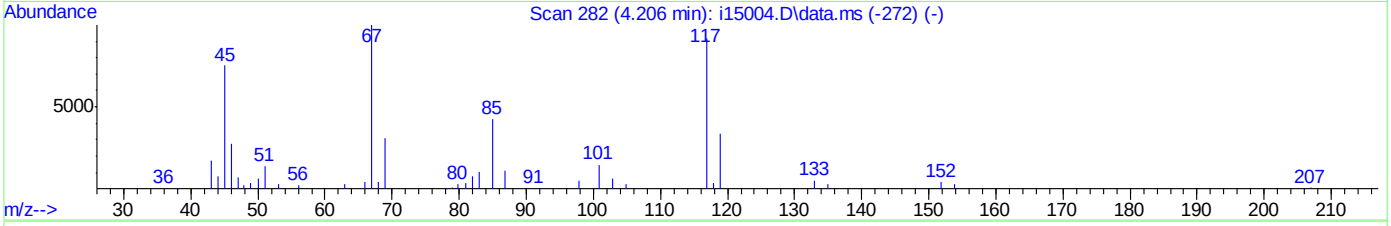
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration







TIC: i15246.D\data.ms

(104) Ethanol

4.041min (-0.165) 3035.55ug/L

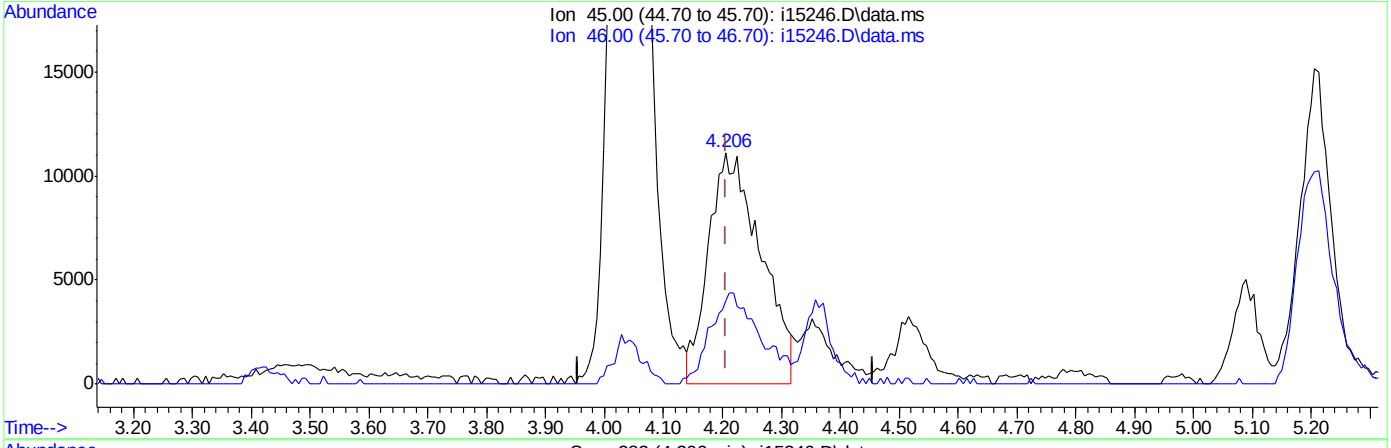
response 265194

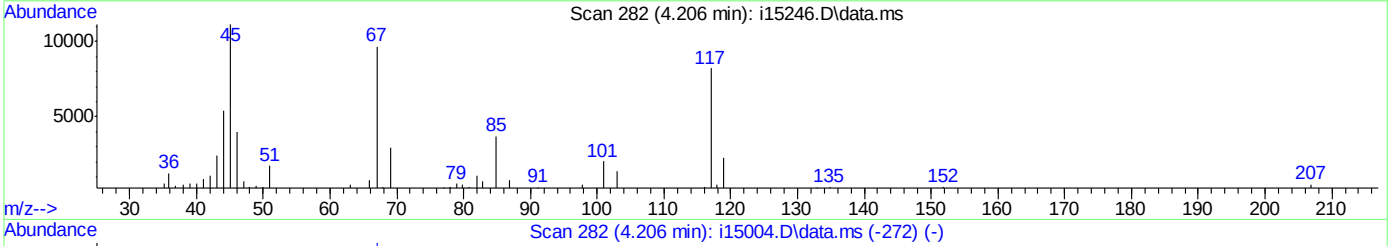
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.58
0.00	0.00	0.00
0.00	0.00	0.00

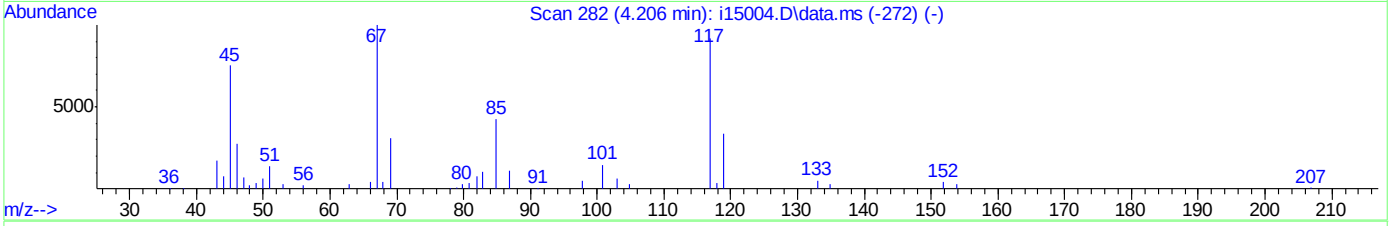
Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 30 17:10:21 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Wed Oct 30 16:28:13 2013
Response via : Initial Calibration







TIC: i15246.D\data.ms

(104) Ethanol

4.206min (+0.000) 783.88ug/L m

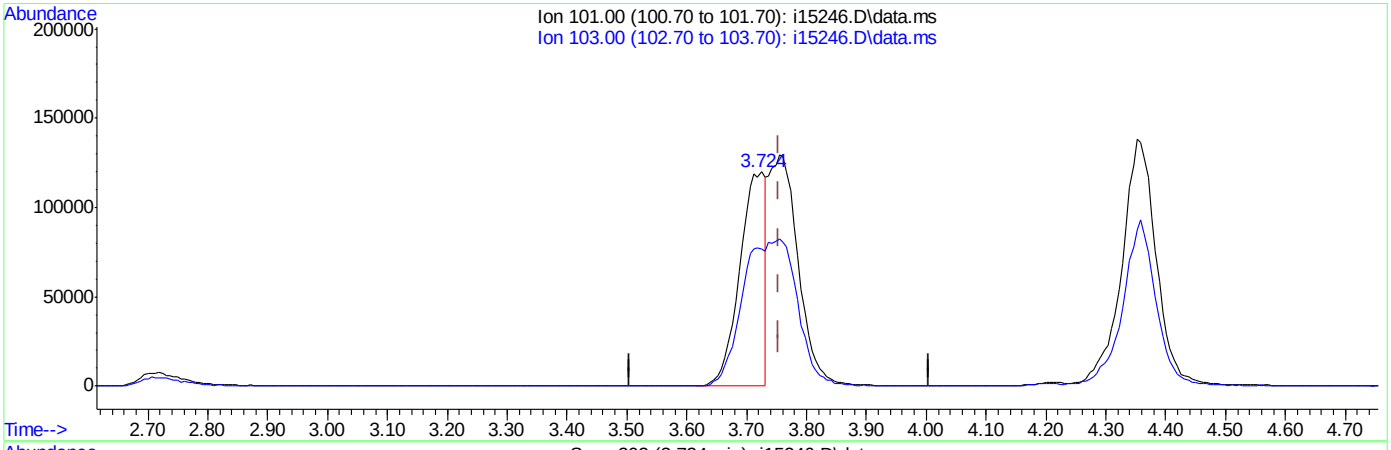
response 68482

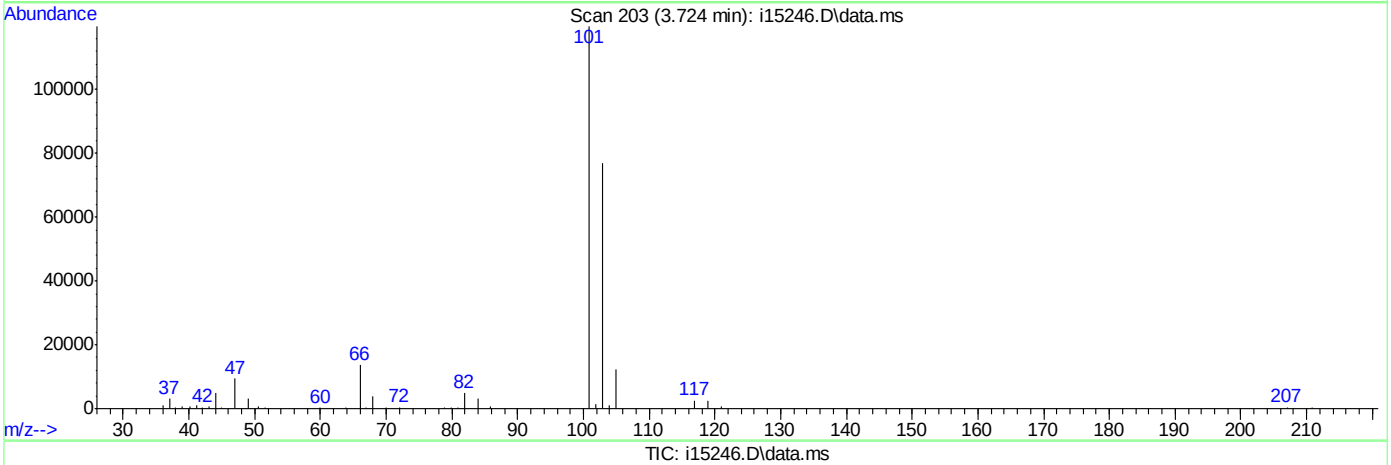
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	35.95#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:17:00 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15246.D\data.ms

(7) Trichlorofluoromethane ( )

3.724min (-0.031) 14.12ug/L

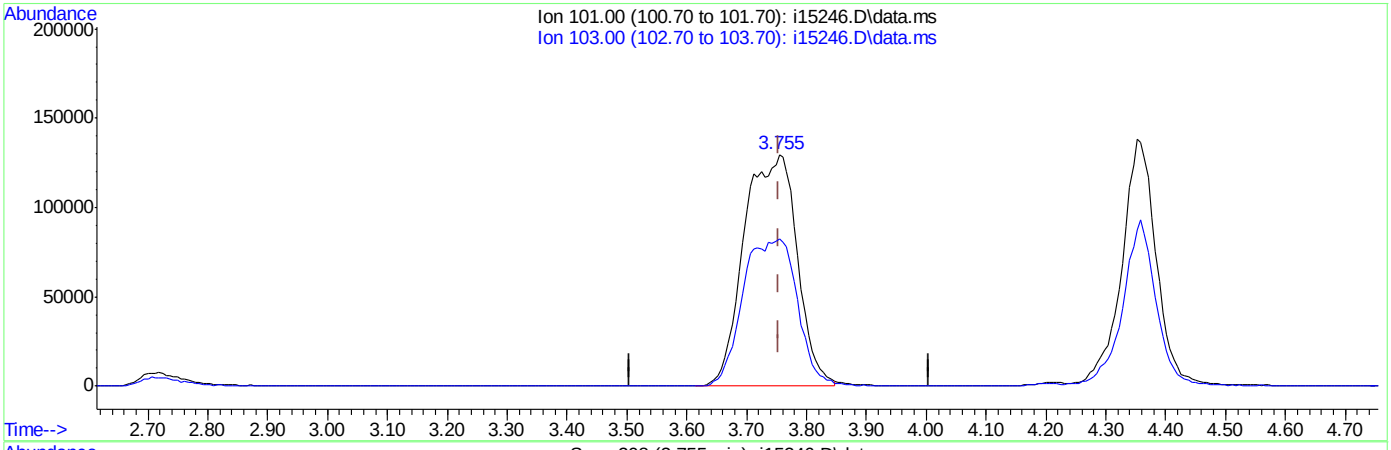
response 355766

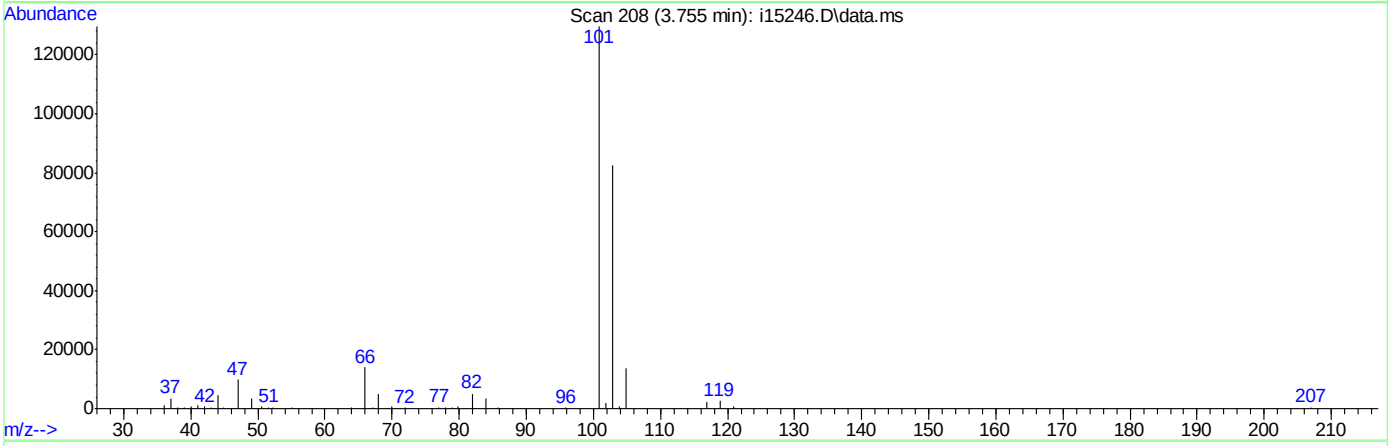
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	64.22
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:17:00 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15246.D\data.ms

(7) Trichlorofluoromethane ( )

3.755min (-0.000) 31.11ug/L m

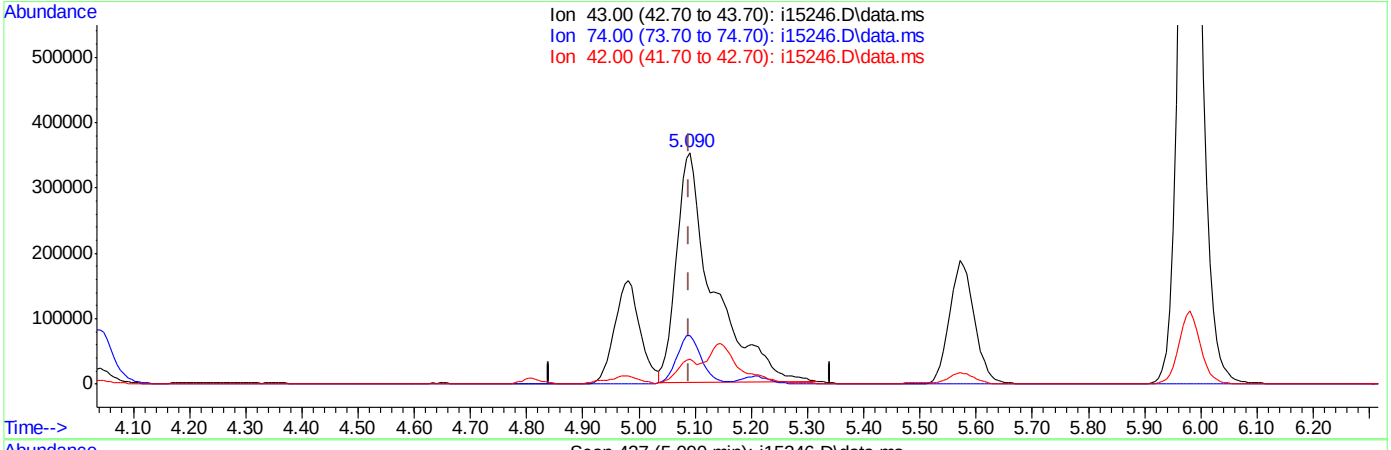
response 794594

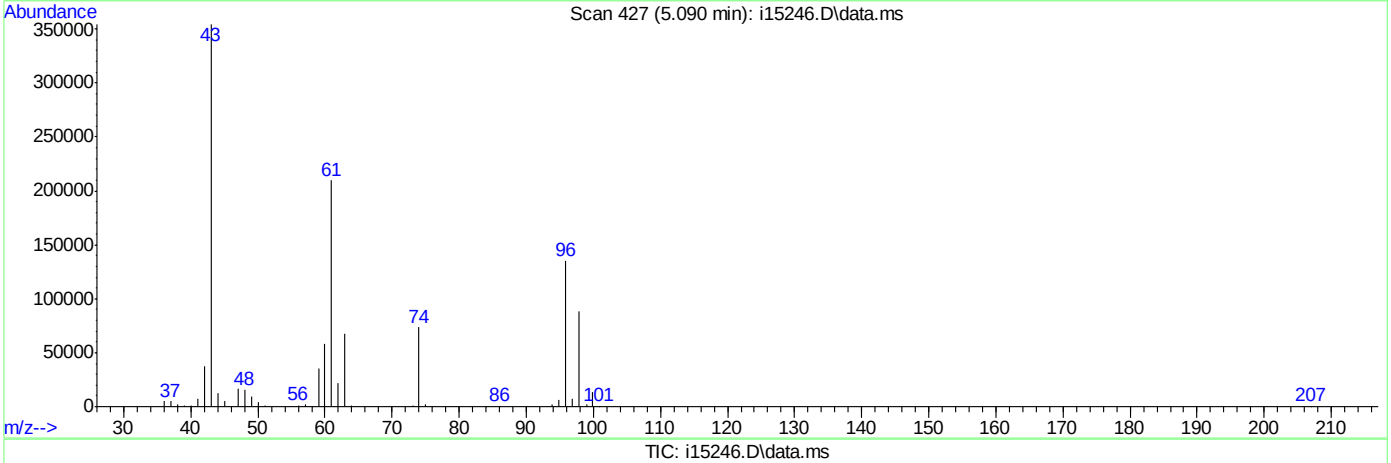
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	63.66
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:17:00 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15246.D\data.ms

(17) Methyl acetate

5.090min (-0.000) 219.11ug/L

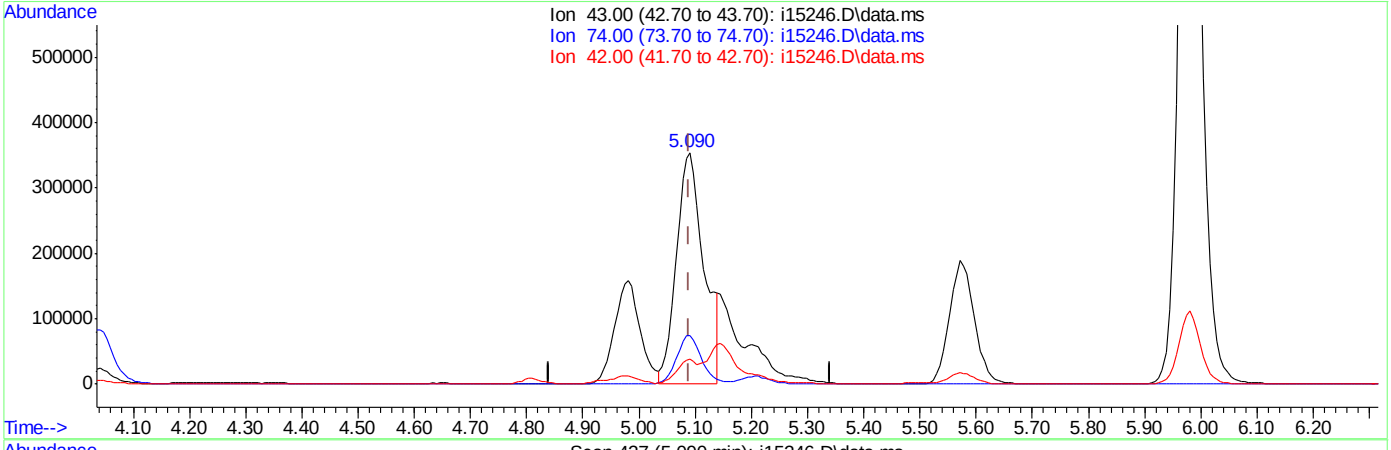
response 1608002

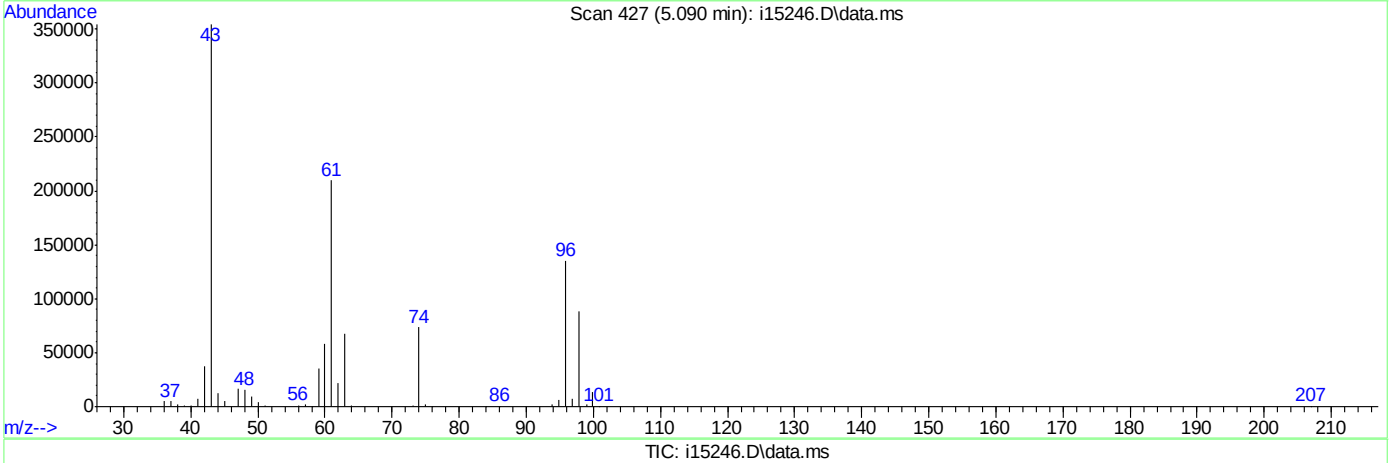
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.06
42.00	14.70	10.48
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:17:00 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15246.D\data.ms

(17) Methyl acetate

5.090min (-0.000) 165.00ug/L m

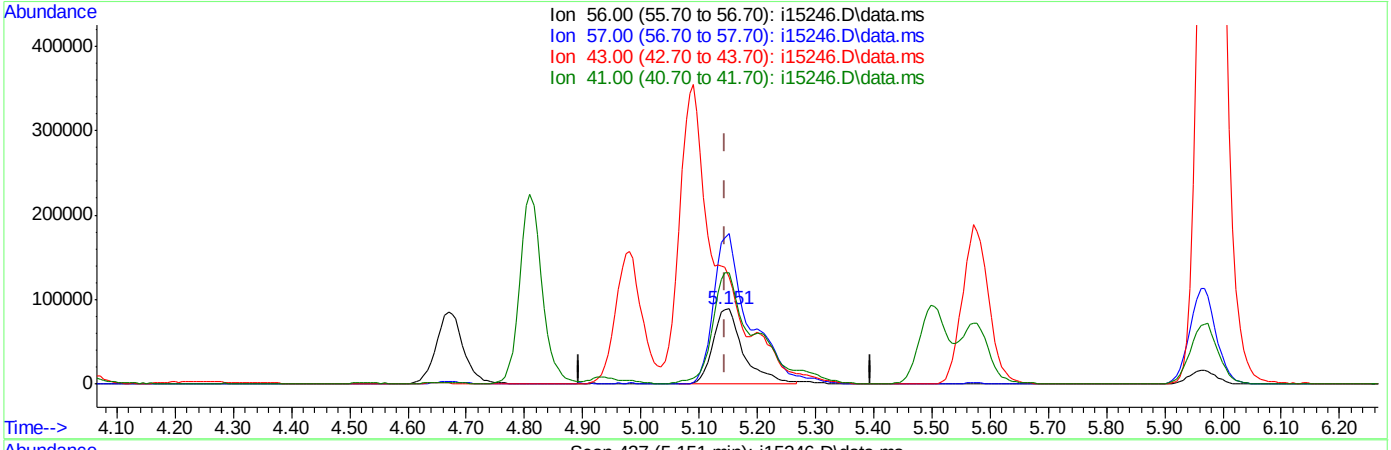
response 1198353

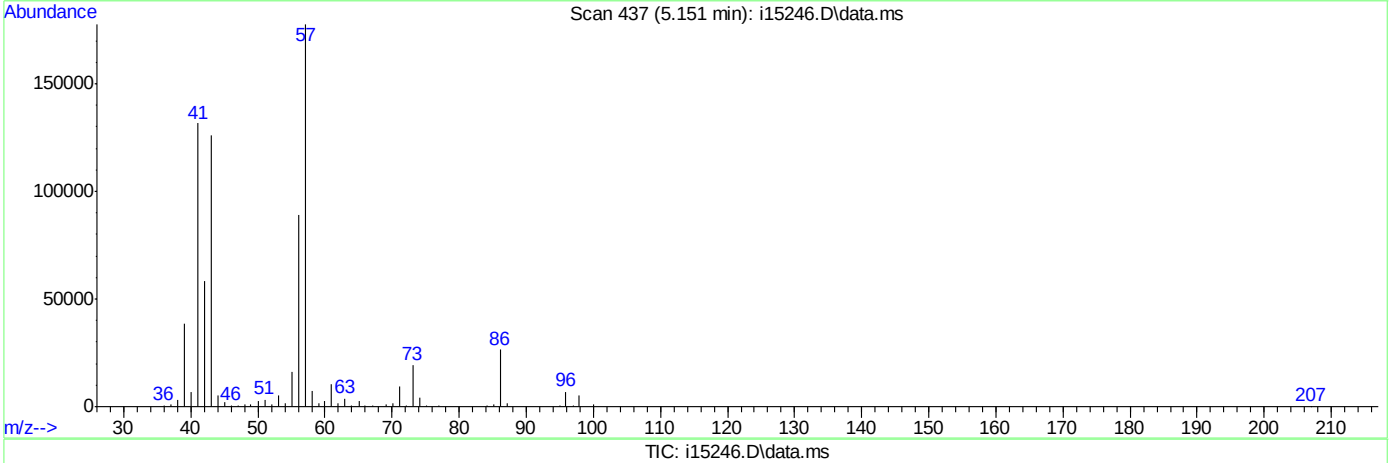
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	20.79
42.00	14.70	10.70
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:17:00 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15246.D\data.ms

(19) Hexane

5.151min (+0.006) 46.39ug/L

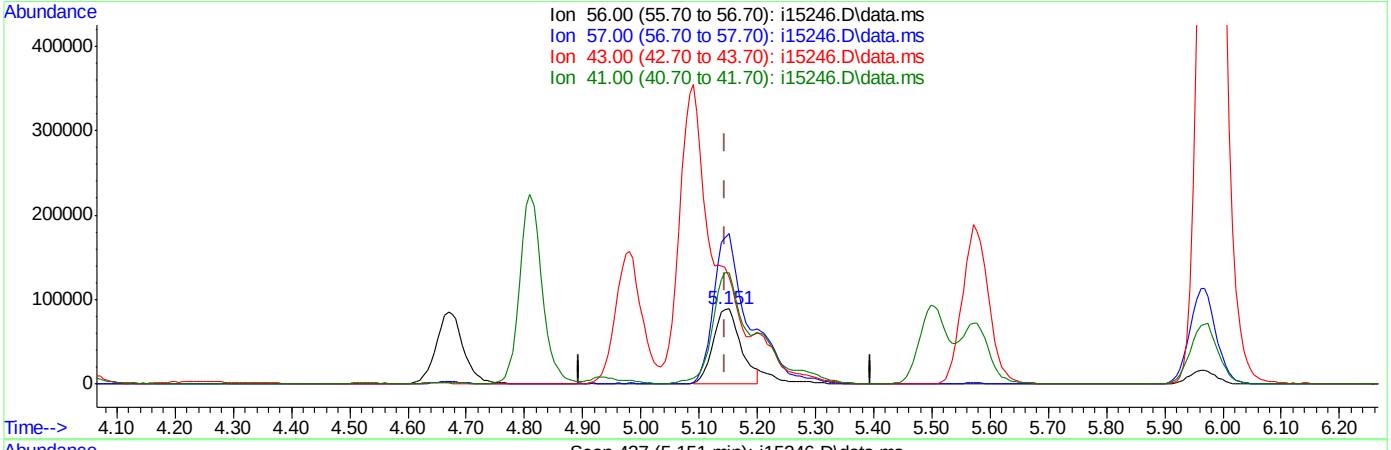
response 324899

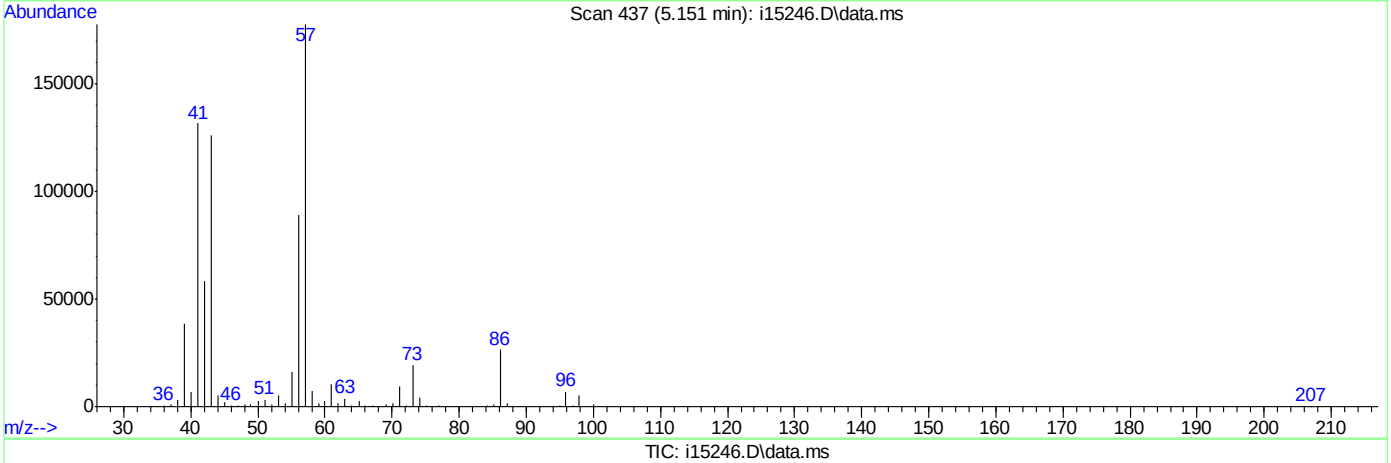
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	199.00#
43.00	185.00	127.73#
41.00	125.10	144.50

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:17:00 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15246.D\data.ms

(19) Hexane

5.151min (+0.006) 41.87ug/L m

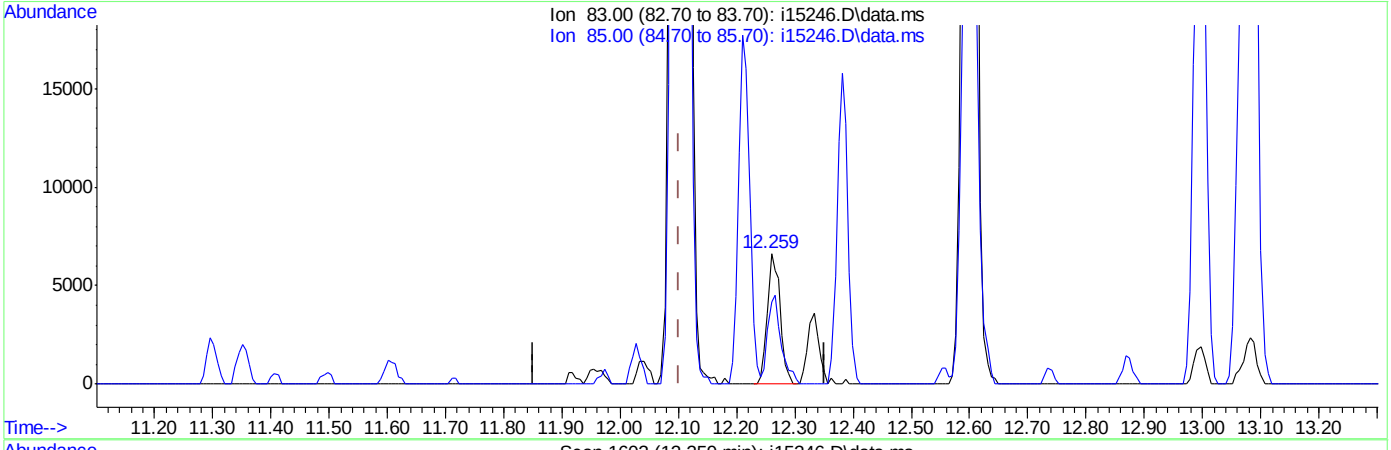
response 293221

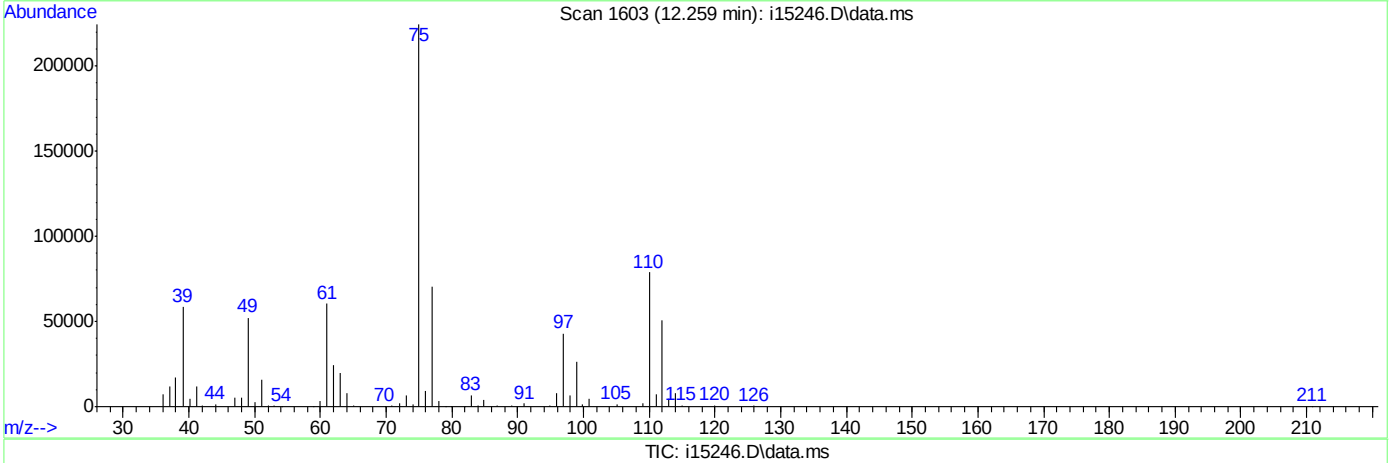
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	199.00#
43.00	185.00	141.31#
41.00	125.10	147.49#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:17:00 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15246.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.259min (+0.158) 0.91ug/L

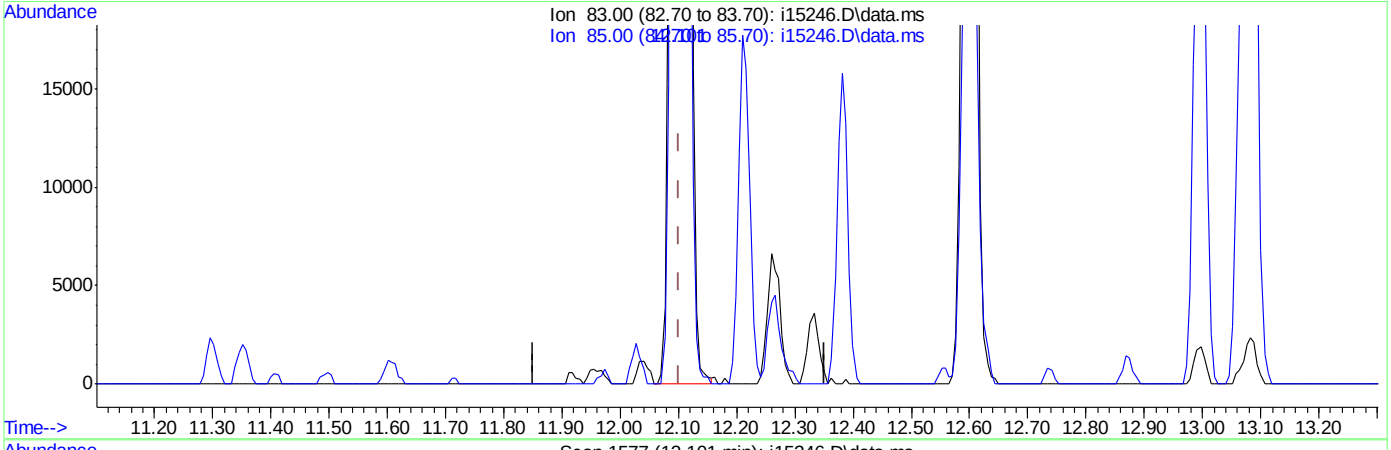
response 10045

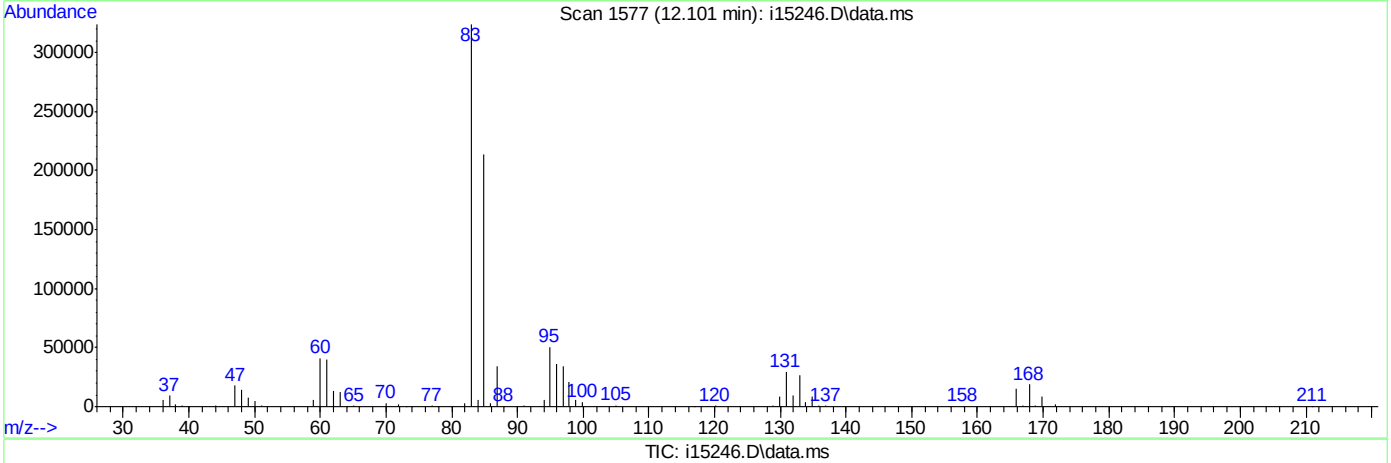
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	59.14
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:17:00 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





(81) 1,1,2,2-Tetrachloroethane (P)

12.101min (-0.000) 40.80ug/L m

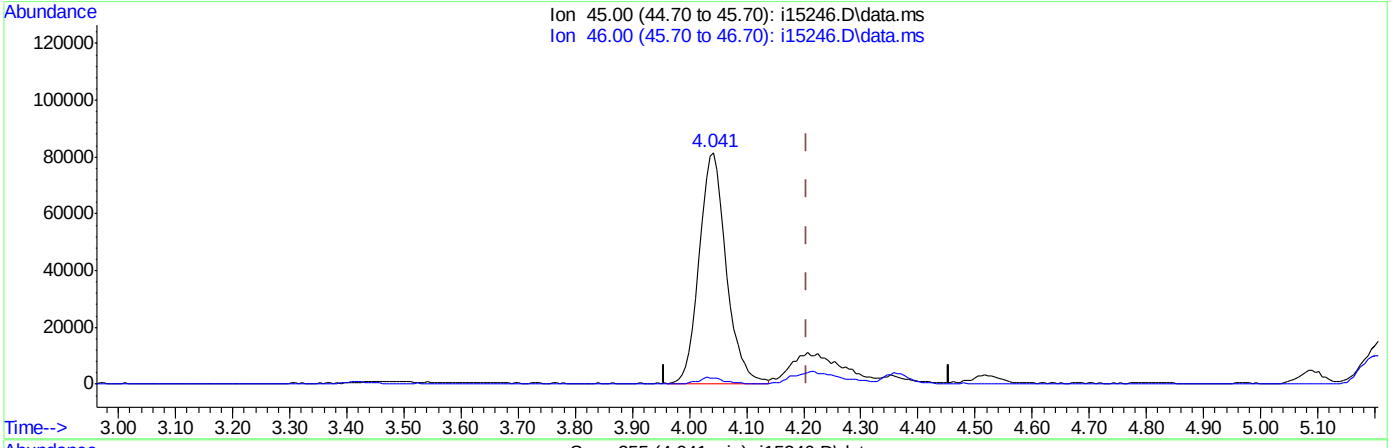
response 452566

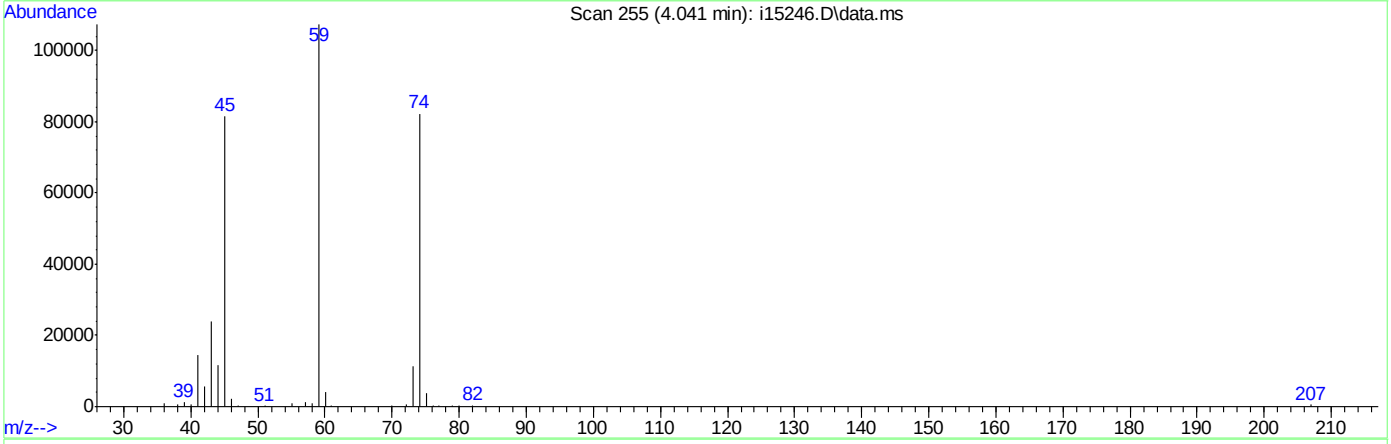
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	65.87#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:17:00 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15246.D\data.ms

(104) Ethanol

4.041min (-0.165) 3035.55ug/L

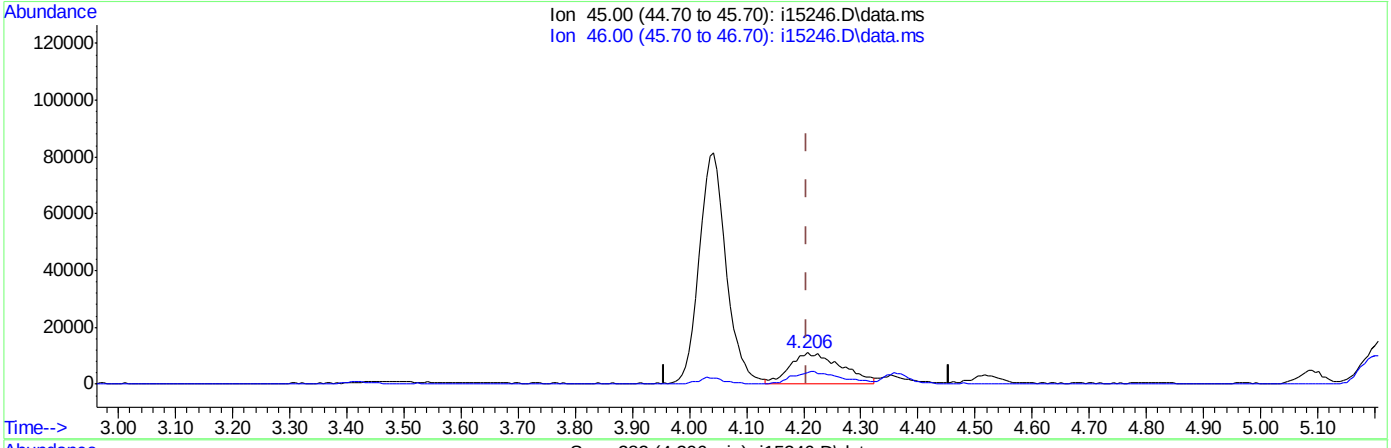
response 265194

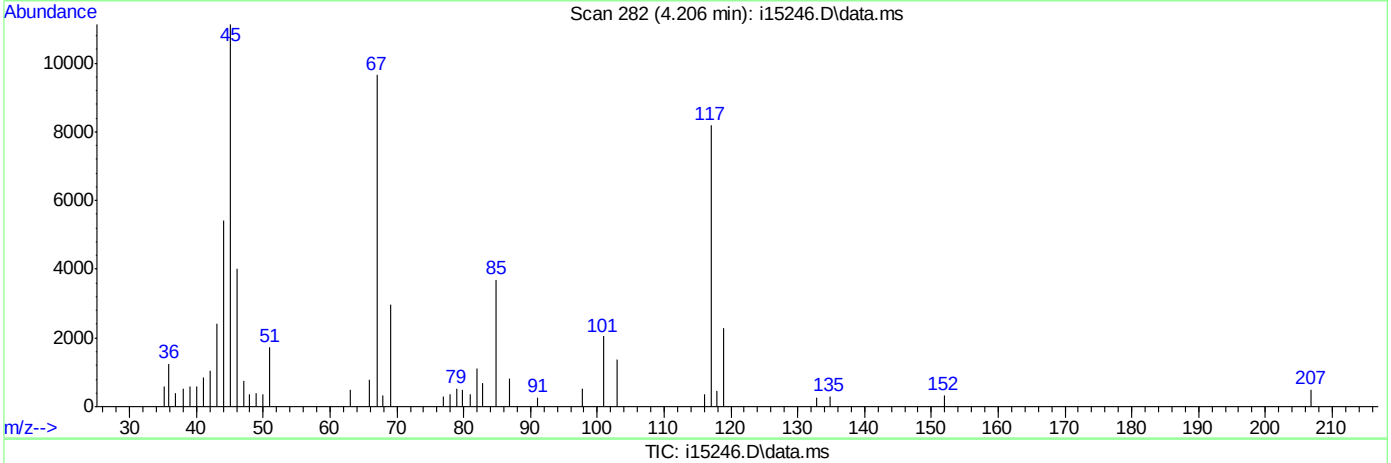
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.58
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15246.D
Acq On : 30 Oct 2013 4:55 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 31 15:17:00 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15246.D\data.ms

(104) Ethanol

4.206min (+0.000) 799.32ug/L m

response 69831

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	35.95#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 09:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:19:14 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.590	96	1699819	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.699	117	1371306	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	688406	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	130826	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.773	113	472208	49.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.00%			
44) 1,2-Dichloroethane-d4	7.327	65	527234	48.14	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 96.28%			
55) Toluene-d8	9.138	98	1659039	45.88	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 91.76%			
77) 4-Bromofluorobenzene	11.918	174	493267	46.00	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 92.00%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.712	85	476398	55.11	ug/L #	61
3) Chloromethane	2.889	50	534230	39.23	ug/L	86
4) Vinyl Chloride	3.017	62	620490	39.02	ug/L	81
5) Bromomethane	3.414	94	466491	37.82	ug/L	97
6) Chloroethane	3.566	64	336827	38.80	ug/L #	100
7) Trichlorofluoromethane	3.749	101	845202m	33.96	ug/L	
8) Ethyl Ether	4.035	59	366901	39.60	ug/L	75
9) 1,2-Dichlorotrifluoroe...	4.267	67	644500	42.37	ug/L	94
10) 1,1-Dichloroethene	4.291	61	789204	45.96	ug/L	69
11) Freon 113	4.352	101	547966	39.55	ug/L #	48
12) Carbon Disulfide	4.358	76	1567948	38.67	ug/L	96
13) Iodomethane	4.474	142	974586	41.87	ug/L	76
14) Allyl chloride	4.803	41	646834	38.74	ug/L	86
15) Methylene Chloride	4.925	49	619850	46.19	ug/L	91
16) Acetone	4.968	43	504634	173.41	ug/L	82
17) Methyl acetate	5.078	43	1174588m	166.28	ug/L	
18) trans-1,2-Dichloroethene	5.090	61	601423	43.37	ug/L	89
19) Hexane	5.139	56	292087m	42.89	ug/L	
20) Methyl Tert Butyl Ether	5.200	73	966475	40.18	ug/L	81
21) Acetonitrile	5.492	41	348591	400.42	ug/L	86
22) Di-isopropyl ether	5.566	45	1243783	40.39	ug/L	92
23) Chloroprene	5.718	53	575751	41.69	ug/L #	93
24) 1,1-Dichloroethane	5.748	63	762746	43.18	ug/L	80
25) Acrylonitrile	5.809	53	539875	212.22	ug/L	81
26) ETBE	5.956	59	1130170	40.14	ug/L	92
27) Vinyl acetate	5.974	43	3000230	223.69	ug/L	83
28) cis-1,2-Dichloroethene	6.315	96	436011	44.36	ug/L	82
29) 2,2-Dichloropropane	6.443	77	610270	46.18	ug/L	95
30) Bromochloromethane	6.529	128	201513	40.00	ug/L #	46
31) Cyclohexane	6.535	56	635727	43.87	ug/L #	45
32) Chloroform	6.578	83	794010	43.15	ug/L	75
33) Ethyl acetate	6.663	43	1377493	197.03	ug/L	91
34) Tetrahydrofuran	6.754	42	79651	37.45	ug/L #	68

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:19:14 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon Tetrachloride	6.742	117	584363	45.63	ug/L		96
37) 1,1,1-Trichloroethane	6.821	97	652047	44.36	ug/L		91
38) 2-Butanone	6.888	43	707308	187.03	ug/L		77
39) 1,1-Dichloropropene	6.925	75	579005	46.17	ug/L		73
40) Propionitrile	7.218	54	423214	388.92	ug/L	#	63
41) Methacrylonitrile	7.230	41	2174285	397.69	ug/L		92
42) Benzene	7.187	78	1624639	43.98	ug/L		74
43) TAME	7.260	73	1060454	40.00	ug/L		92
45) 1,2-Dichloroethane	7.394	62	563839	43.21	ug/L		77
46) Trichloroethene	7.754	95	443725	43.90	ug/L	#	69
47) Methylcyclohexane	7.754	83	662518	41.86	ug/L		90
48) Dibromomethane	8.193	93	266141	43.36	ug/L		94
49) 1,2-Dichloropropane	8.291	63	425537	43.62	ug/L		82
50) Bromodichloromethane	8.333	83	575570	45.03	ug/L	#	91
51) Methyl methacrylate	8.449	41	276608	44.15	ug/L	#	66
52) 2-Chloroethyl vinyl ether	8.870	63	1251264	230.91	ug/L	#	36
53) cis-1,3-Dichloropropene	8.955	75	691653	45.86	ug/L	#	68
56) Toluene	9.193	91	1786004	42.55	ug/L		92
57) 2-Nitropropane	9.437	41	336896	201.12	ug/L	#	75
58) 4-Methyl-2-pentanone	9.546	43	1554164	209.72	ug/L		86
59) trans-1,3-Dichloropropene	9.595	75	656786	49.45	ug/L		89
60) Tetrachloroethene	9.577	166	462530	40.21	ug/L		88
61) Ethyl methacrylate	9.705	69	421167	39.69	ug/L		86
62) 1,1,2-Trichloroethane	9.760	83	304199	41.74	ug/L		96
63) Dibromochloromethane	9.949	129	429518	46.13	ug/L		86
64) 1,3-Dichloropropane	10.040	76	617067	42.74	ug/L		76
65) 1,2-Dibromoethane	10.211	107	361267	44.42	ug/L		94
66) 2-hexanone	10.369	43	1075558	194.16	ug/L		88
67) 1-Chlorohexane	10.650	91	536078	39.80	ug/L	#	71
68) Ethylbenzene	10.717	91	2222301	43.66	ug/L		92
69) Chlorobenzene	10.711	112	1332909	47.14	ug/L		90
70) 1,1,1,2-Tetrachloroethane	10.766	131	430682	45.97	ug/L	#	72
71) m,p-Xylene	10.857	91	3385749	94.67	ug/L		97
72) o-Xylene	11.296	91	1596565	49.07	ug/L		91
73) Styrene	11.351	104	1263671	43.67	ug/L		86
74) Bromoform	11.406	173	252992	43.29	ug/L		87
75) Isopropylbenzene	11.601	105	1987652	48.23	ug/L		81
78) cis-1,4-Dichloro-2-butene	11.967	53	90504	44.95	ug/L	#	69
79) n-Propylbenzene	12.022	91	2496483	48.27	ug/L		86
80) Bromobenzene	12.040	156	541618	43.84	ug/L		85
81) 1,1,2,2-Tetrachloroethane	12.101	83	451177m	41.48	ug/L		
82) 1,3,5-Trimethylbenzene	12.211	105	1792258	45.00	ug/L		94
83) 2-Chlorotoluene	12.211	91	1729299	47.12	ug/L		97
84) trans-1,4-Dichloro-2-B...	12.284	53	92695	42.78	ug/L	#	81
85) 1,2,3-Trichloropropane	12.259	110	122977	42.58	ug/L		72
86) Cyclohexanone	12.326	55	52002	191.26	ug/L	#	70
87) 4-Chlorotoluene	12.381	91	1512036	49.43	ug/L		76
88) tert-Butylbenzene	12.552	91	939641	47.18	ug/L		96
89) 1,2,4-Trimethylbenzene	12.619	105	1743505	44.30	ug/L		96
90) Pentachloroethane	12.601	167	277144	48.30	ug/L	#	54

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:19:14 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	sec-Butylbenzene	12.735	105	2195086	48.65	ug/L		97
92)	4-Isopropyltoluene	12.869	119	1806309	48.62	ug/L		88
93)	1,3-Dichlorobenzene	12.997	146	980368	48.08	ug/L		78
94)	1,4-Dichlorobenzene	13.082	146	1023754	42.65	ug/L	#	77
95)	n-Butylbenzene	13.308	92	1026724	43.41	ug/L		95
96)	Benzyl Chloride	13.332	126	149998	39.64	ug/L	#	1
97)	1,2-Dichlorobenzene	13.515	146	908112	46.65	ug/L		90
98)	1,2-Dibromo-3-Chloropr...	14.277	75	62779	44.50	ug/L	#	51
99)	Hexachlorobutadiene	14.820	225	282529	44.69	ug/L		86
100)	1,2,4-Trichlorobenzene	14.869	180	594358	45.01	ug/L		86
101)	Naphthalene	15.161	128	1139027	45.28	ug/L		99
102)	1,2,3-Trichlorobenzene	15.326	180	503170	44.95	ug/L		87
104)	Ethanol	4.206	45	73811m	825.53	ug/L		
105)	Acrolein	4.663	56	286441	187.70	ug/L		88
106)	Tert Butyl Alcohol	5.273	59	248151	400.60	ug/L	#	100
107)	Isobutyl alcohol	7.321	42	141644	732.75	ug/L	#	39
108)	Tert Amyl Alcohol	7.437	59	197927	396.66	ug/L		47
109)	1,4-Dioxane	8.522	88	50743	794.28	ug/L		84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

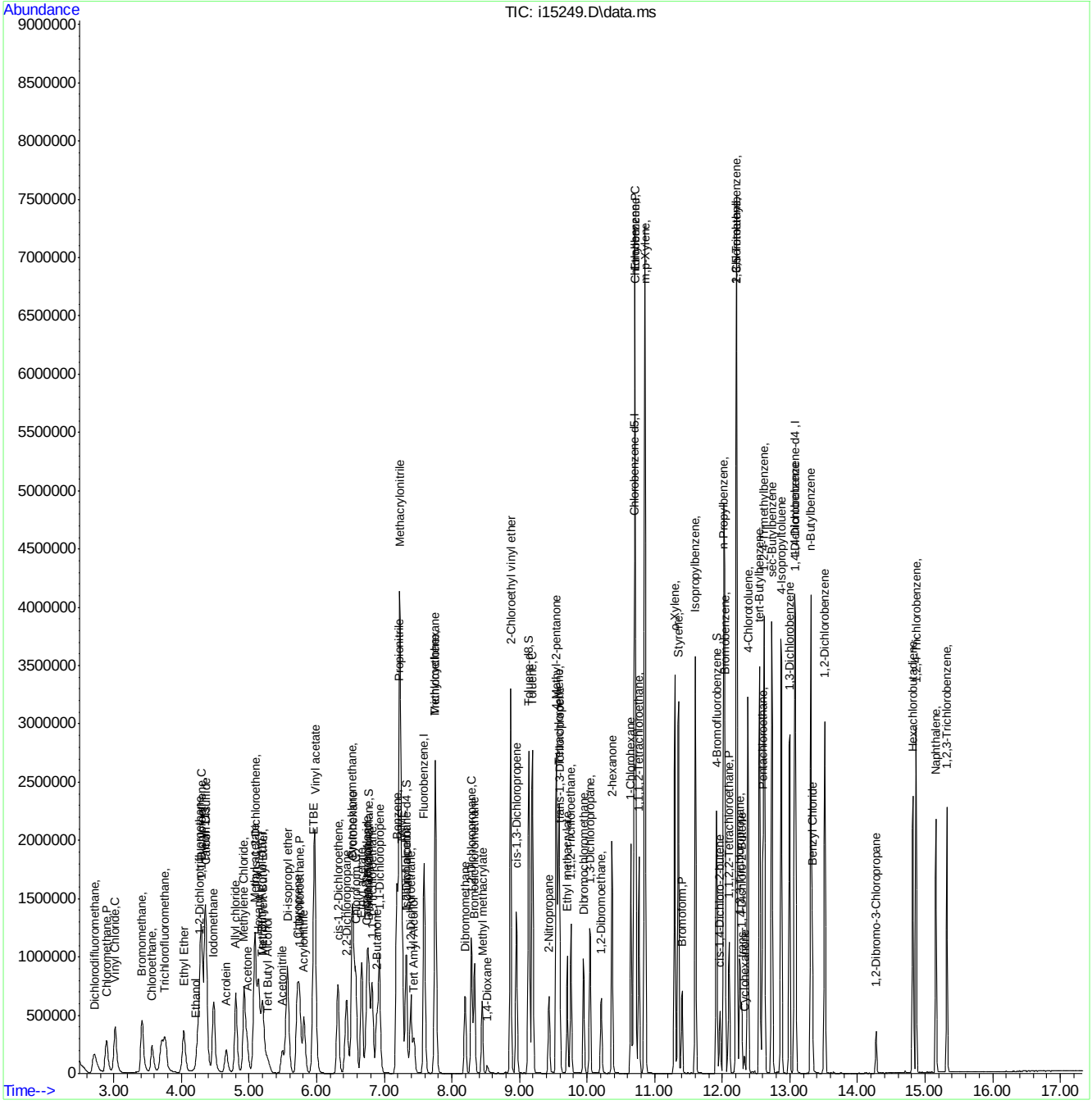
7.6.8

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:19:14 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Manual Integration Approval Summary

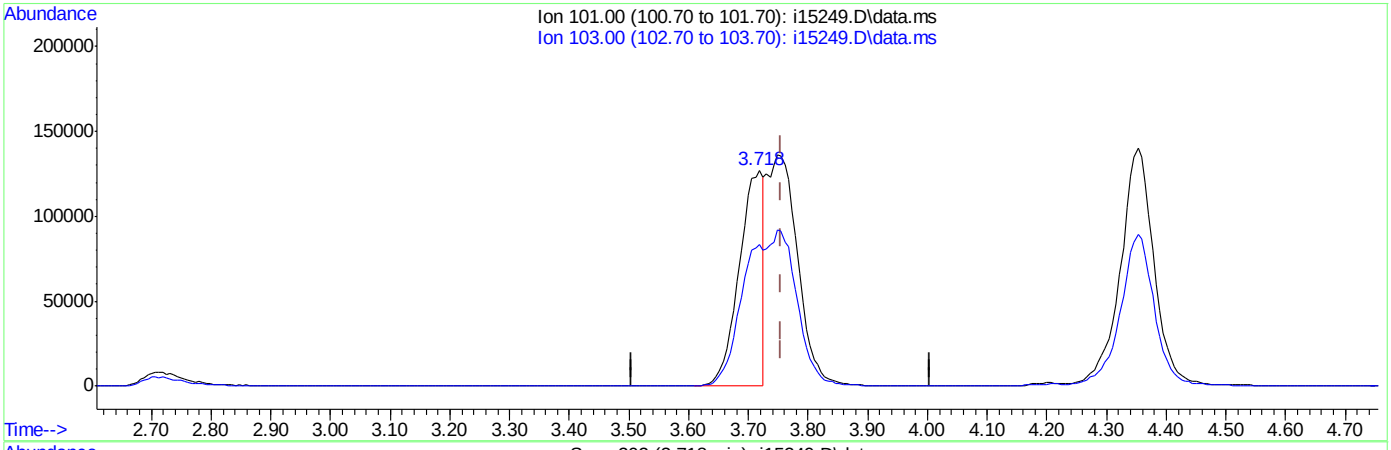
Sample Number:	VI195-ICV195	**Method:**	SW846 8260B
Lab FileID:	I15249.D	**Analyst approved:**	10/31/13 16:18 Wilfredo Vazquez
Injection Time:	10/30/13 19:13	**Supervisor approved:**	11/01/13 09:56 Juan Garcia

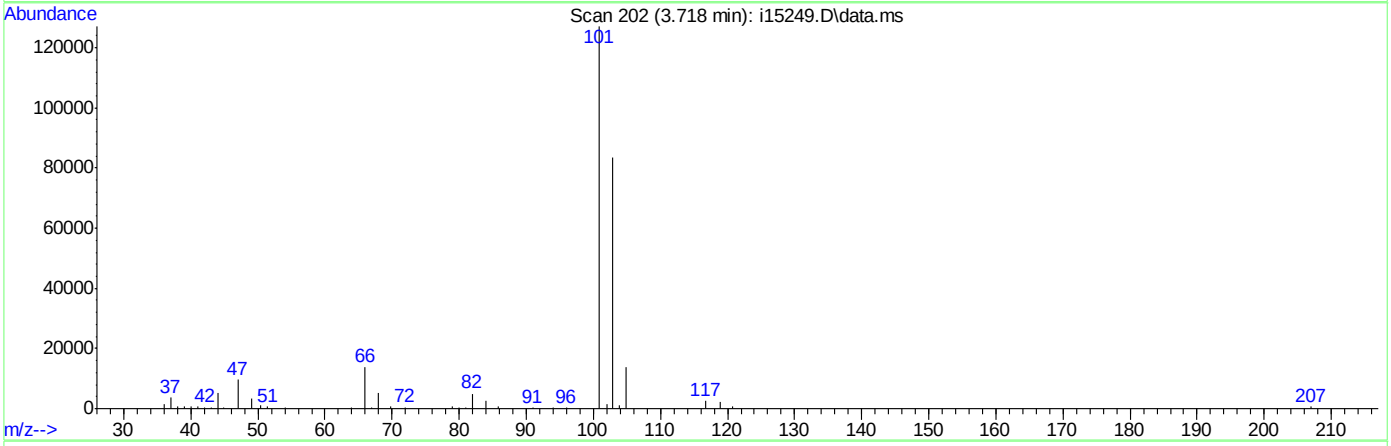
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.75	Split peak
Ethyl Alcohol	64-17-5		4.21	Missed peak
Methyl Acetate	79-20-9		5.08	Overlapping peak
Hexane	110-54-3		5.14	Overlapping peak
1,1,2,2-Tetrachloroethane	79-34-5		12.10	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:17:06 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15249.D\data.ms

(7) Trichlorofluoromethane ( )

3.718min (-0.037) 14.63ug/L

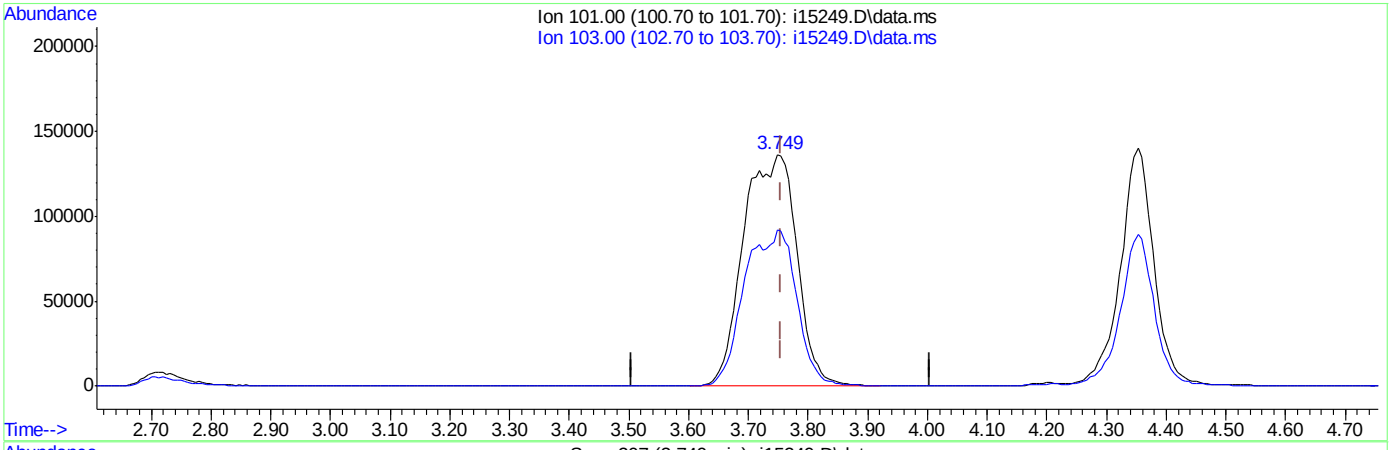
response 358526

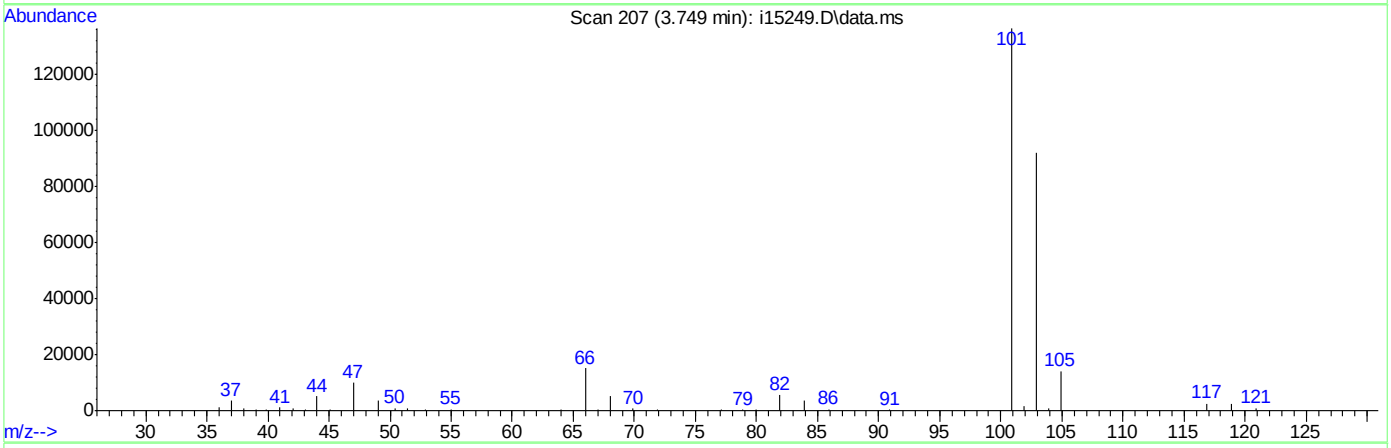
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	65.65
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:17:06 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





(7) Trichlorofluoromethane ( )

3.749min (-0.006) 33.96ug/L m

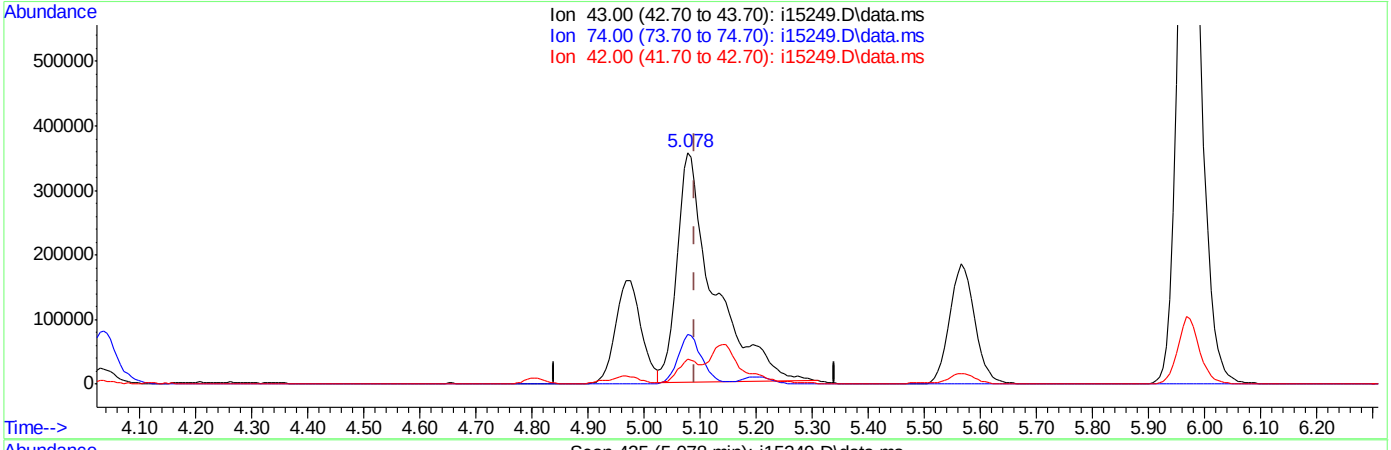
response 845202

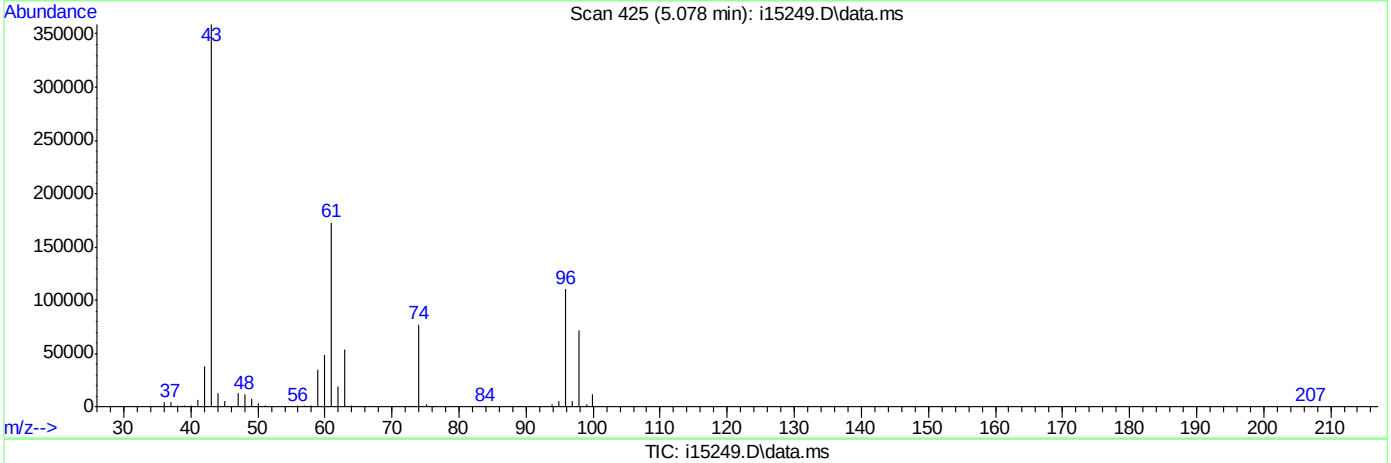
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	67.37
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:17:06 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15249.D\data.ms

(17) Methyl acetate

5.078min (-0.012) 227.47ug/L

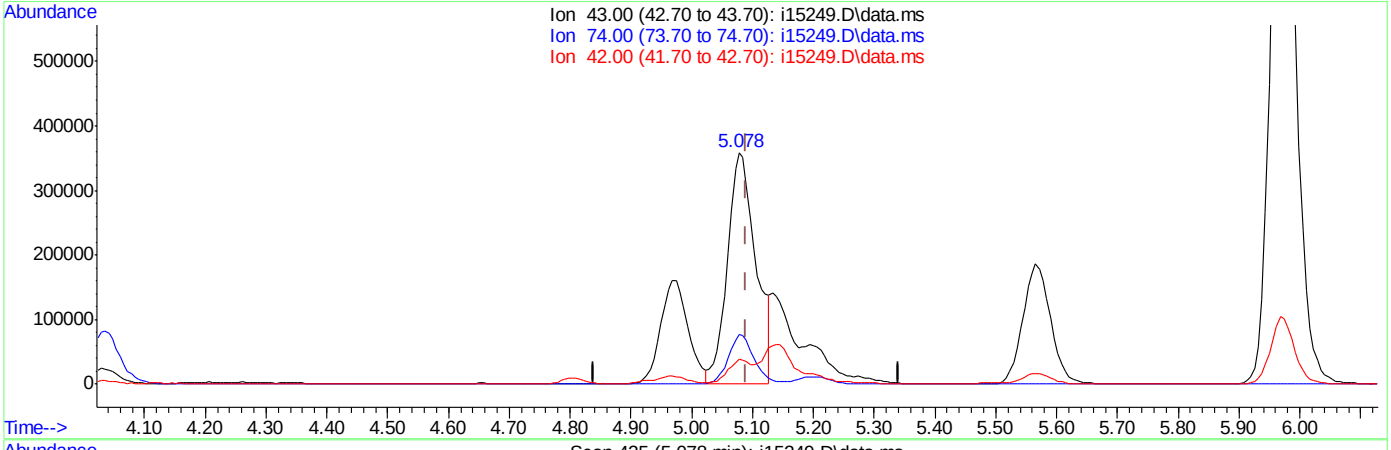
response 1625864

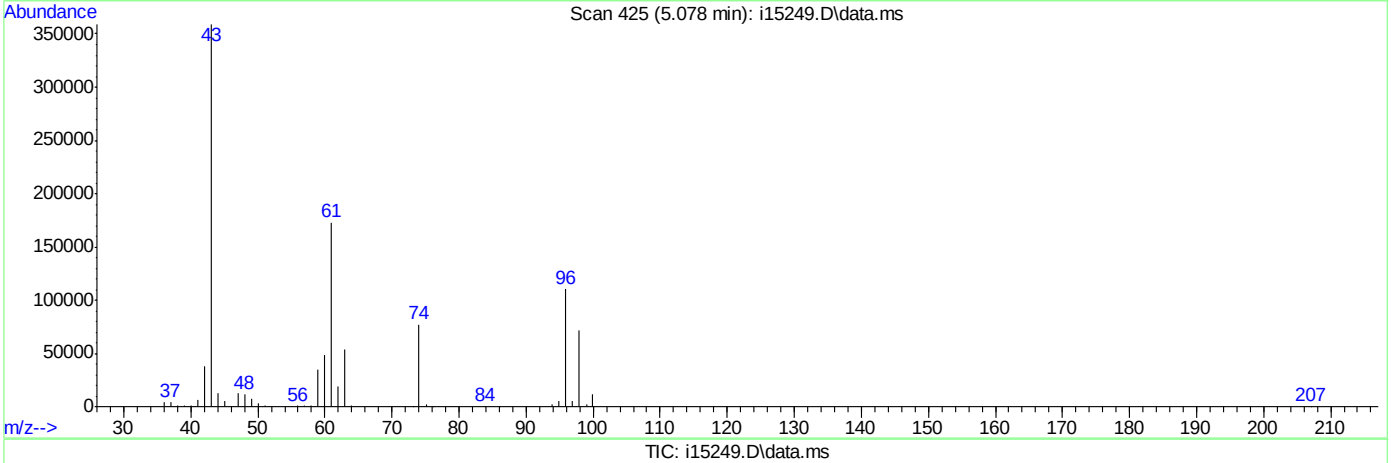
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.77
42.00	14.70	10.42
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:18:20 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15249.D\data.ms

(17) Methyl acetate

5.078min (-0.012) 166.28ug/L m

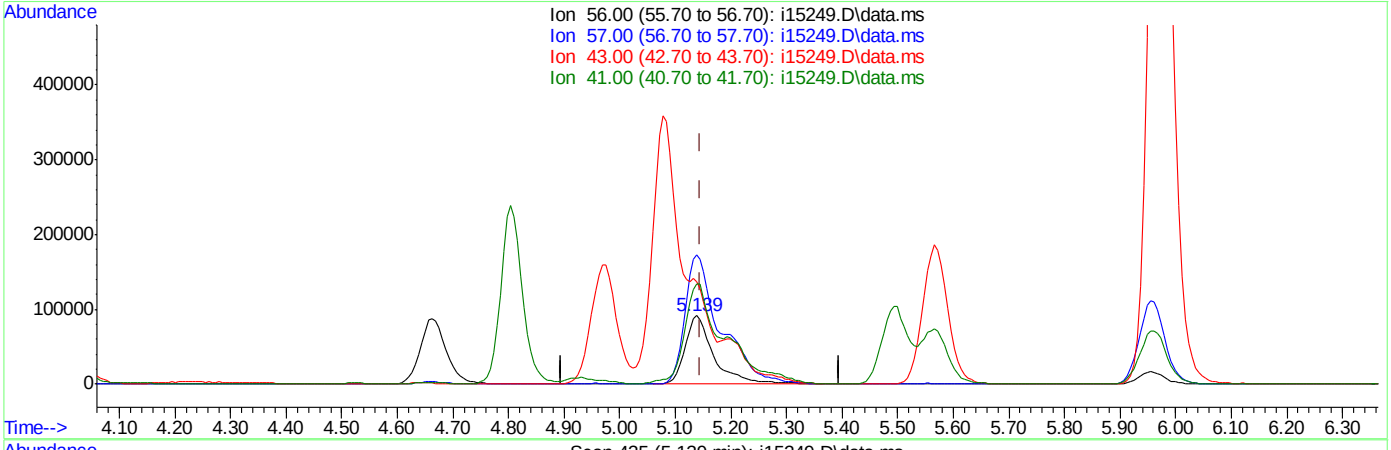
response 1174588

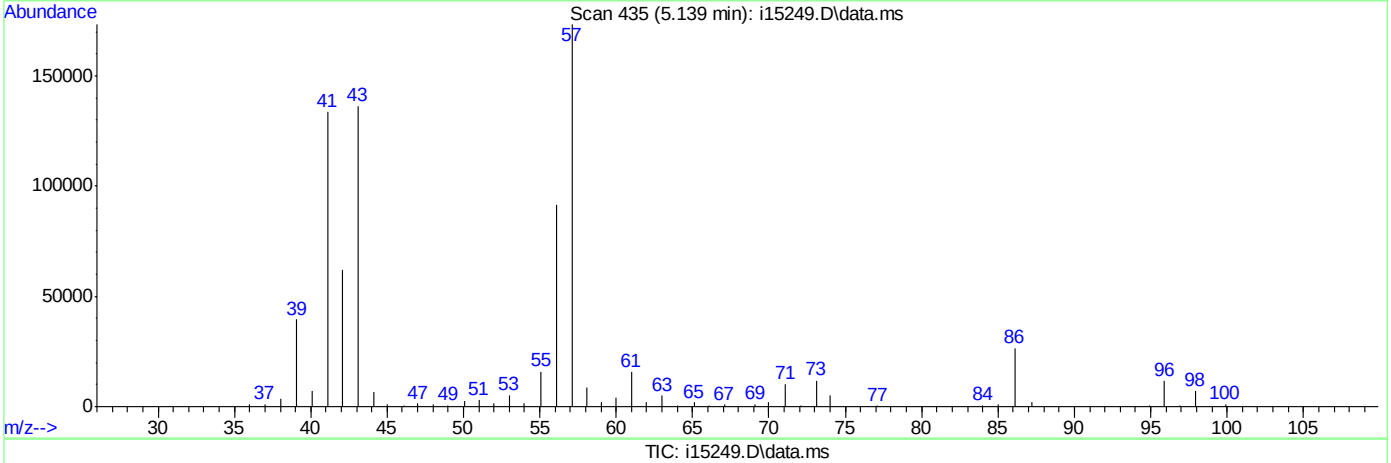
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.44
42.00	14.70	10.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:18:20 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15249.D\data.ms

(19) Hexane

5.139min (-0.006) 48.82ug/L

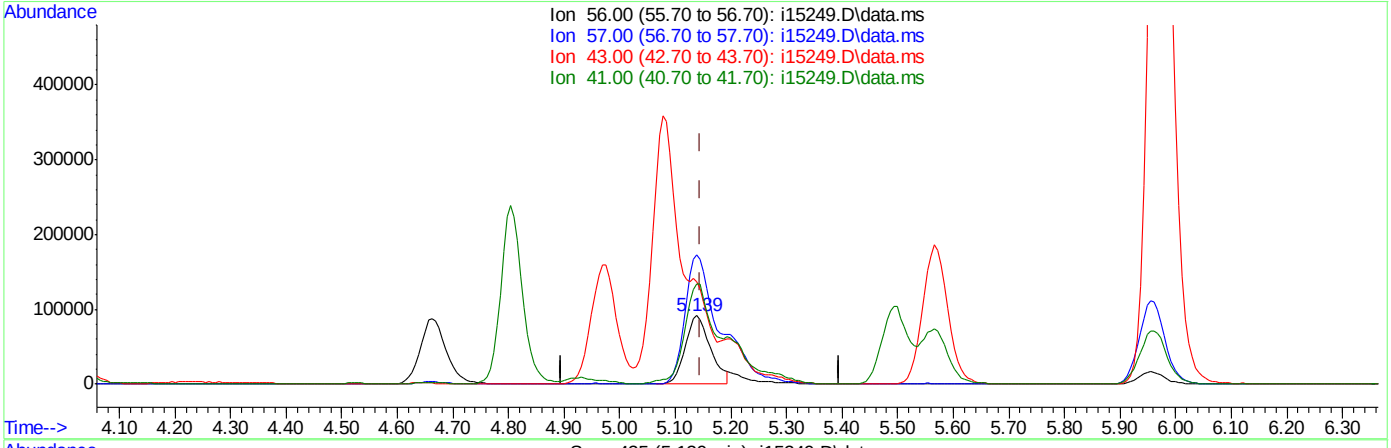
response 332450

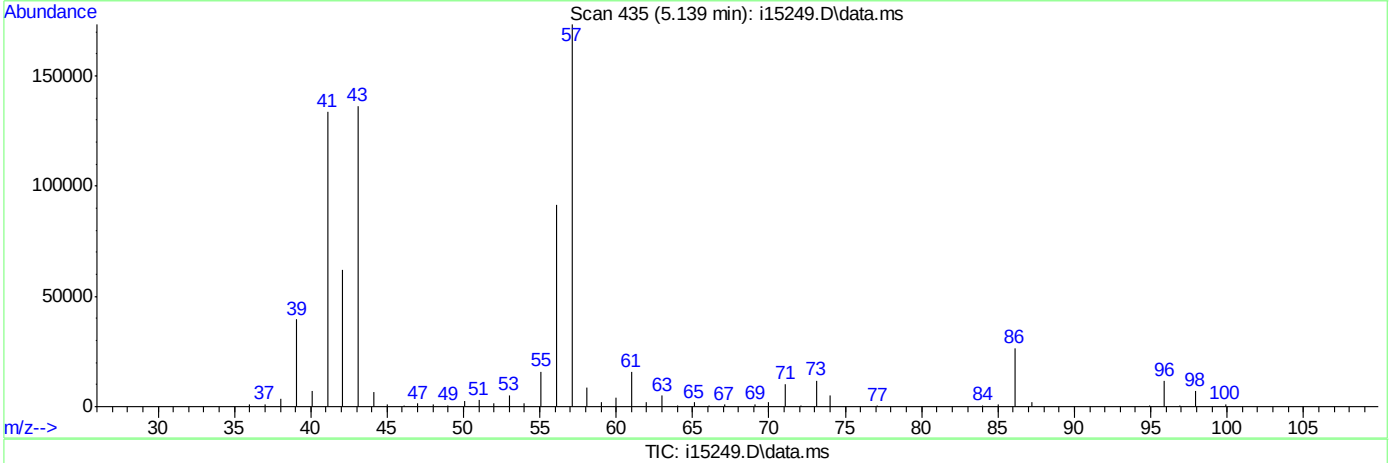
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	189.81#
43.00	185.00	148.58#
41.00	125.10	145.48#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:18:20 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15249.D\data.ms

(19) Hexane

5.139min (-0.006) 42.89ug/L m

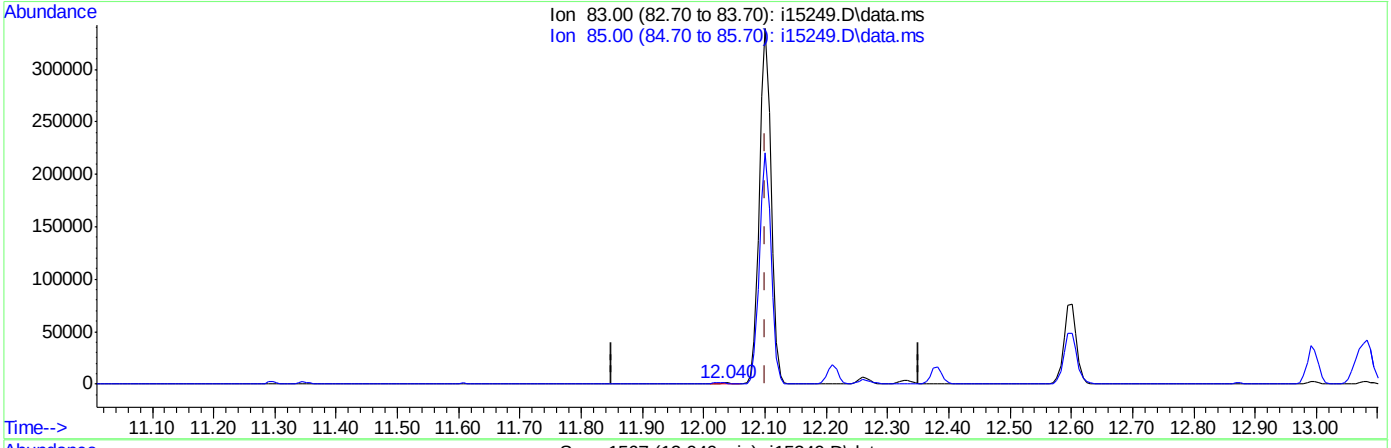
response 292087

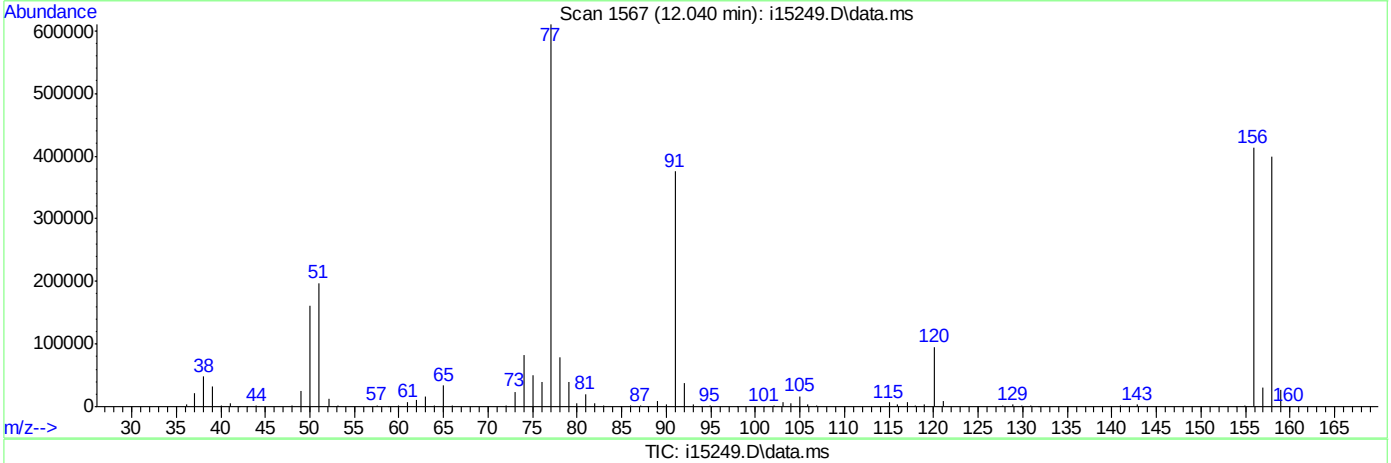
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	189.81#
43.00	185.00	149.40#
41.00	125.10	146.24#

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:18:20 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





(81) 1,1,2,2-Tetrachloroethane (P)

12.040min (-0.061) 0.14ug/L

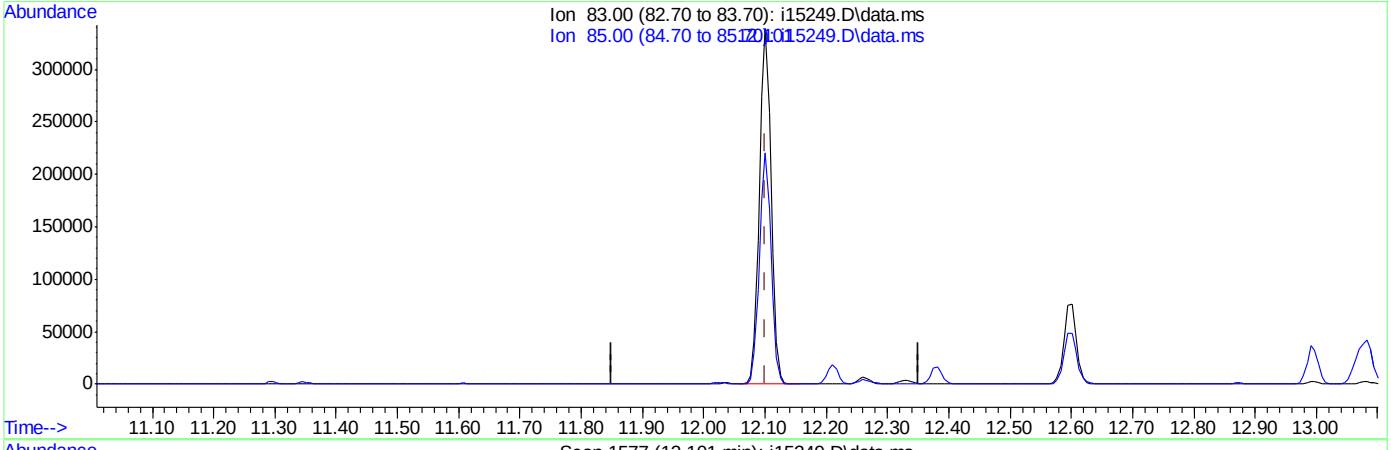
response 1564

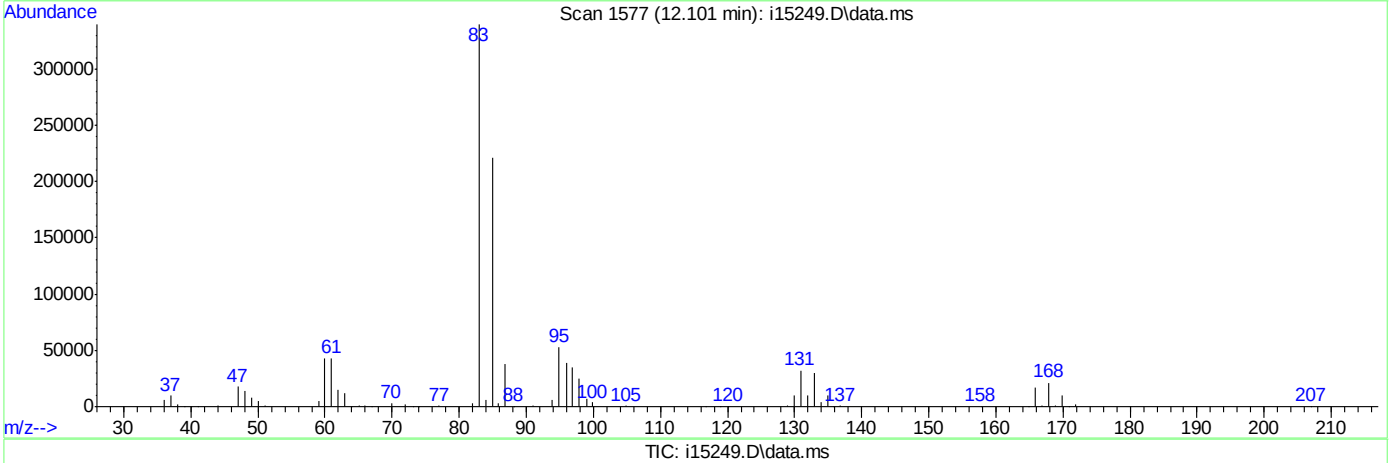
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	35.45
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:18:20 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15249.D\data.ms

(81) 1,1,2,2-Tetrachloroethane (P)

12.101min (-0.000) 41.48ug/L m

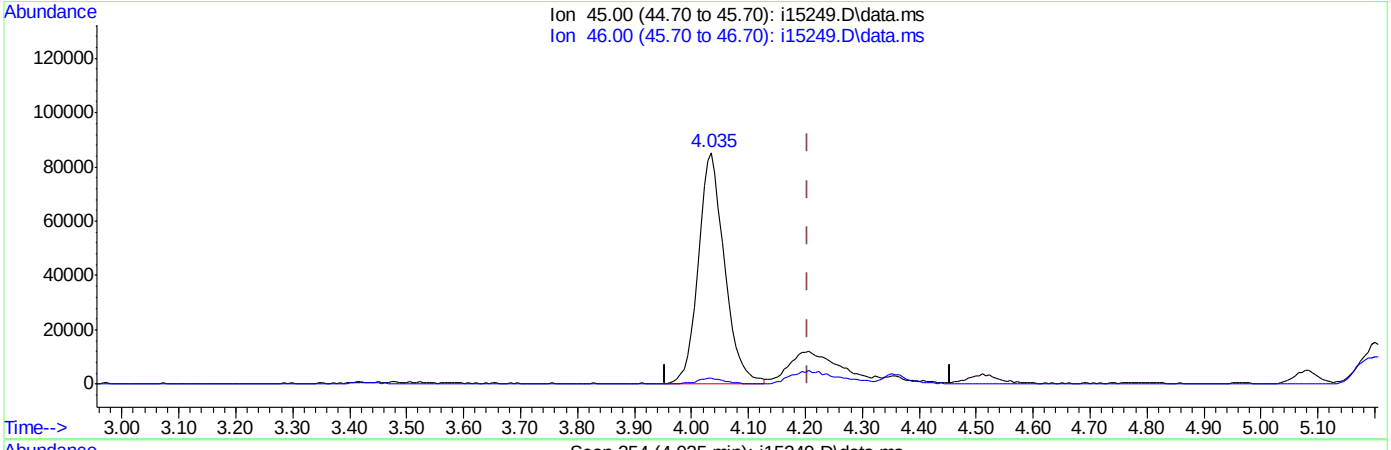
response 451177

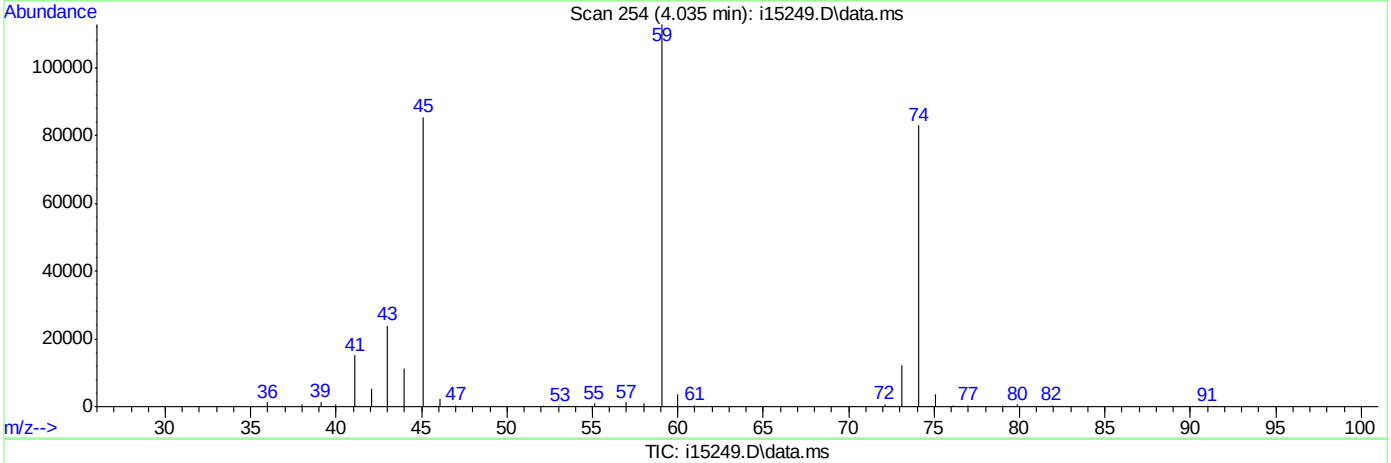
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	65.03#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:18:20 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15249.D\data.ms

(104) Ethanol

4.035min (-0.171) 3014.92ug/L

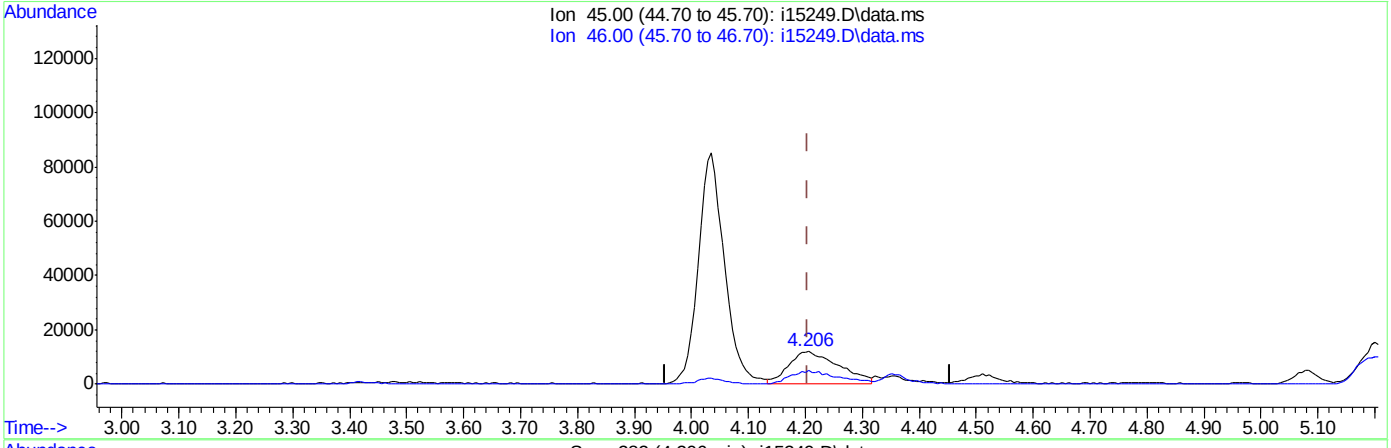
response 269565

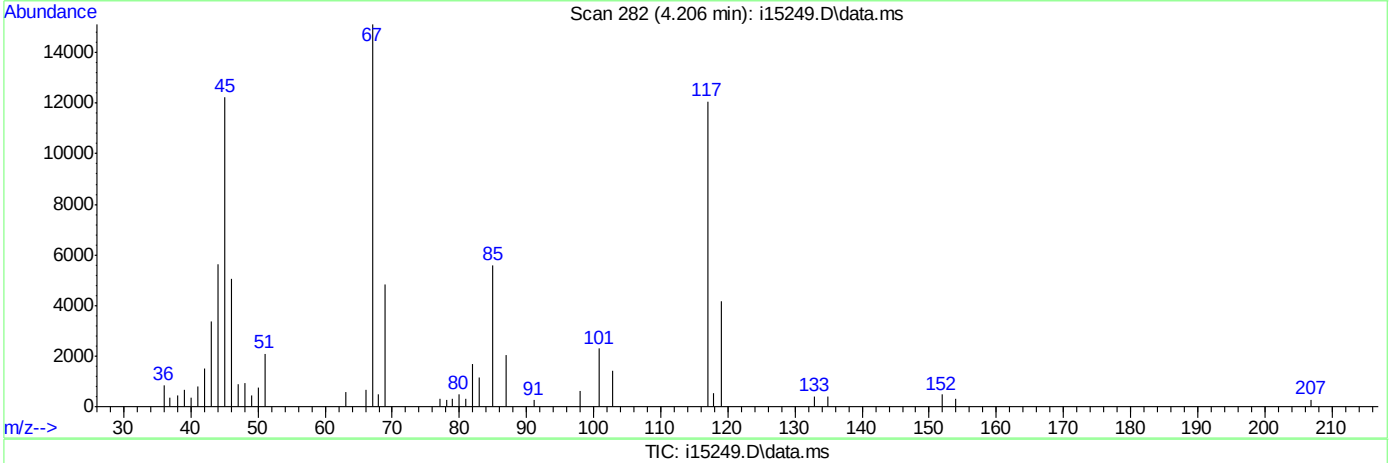
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.67
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103013\
Data File : i15249.D
Acq On : 30 Oct 2013 7:13 pm
Operator : WILFREDO
Sample : icv195-4
Misc : ms25522,vi195,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 15:18:20 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15249.D\data.ms

(104) Ethanol

4.206min (+0.000) 825.53ug/L m

response 73811

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	41.42#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 11:20

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 17:00:07 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.590	96	1682209	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.693	117	1335976	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	658594	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.194	65	122304	250.00	ug/L	-0.01
System Monitoring Compounds						
35) Dibromofluoromethane	6.767	113	455503	47.76	ug/L	-0.01
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.52%			
44) 1,2-Dichloroethane-d4	7.321	65	511195	47.17	ug/L	-0.01
Spiked Amount 50.000	Range 79 - 125		Recovery = 94.34%			
55) Toluene-d8	9.138	98	1630721	46.29	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 92.58%			
77) 4-Bromofluorobenzene	11.918	174	479075	46.70	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 93.40%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.700	85	324584	37.94	ug/L #	61
3) Chloromethane	2.895	50	498836	37.02	ug/L	85
4) Vinyl Chloride	3.023	62	584925	37.17	ug/L	82
5) Bromomethane	3.420	94	449362	36.82	ug/L	99
6) Chloroethane	3.566	64	335725	39.12	ug/L #	100
7) Trichlorofluoromethane	3.755	101	984035m	39.76	ug/L	
8) Ethyl Ether	4.029	59	358228	39.07	ug/L	75
9) 1,2-Dichlorotrifluoroe...	4.267	67	591675	39.30	ug/L	94
10) 1,1-Dichloroethene	4.291	61	679862	40.01	ug/L	64
11) Freon 113	4.352	101	547888	39.96	ug/L #	46
12) Carbon Disulfide	4.358	76	1616467	40.28	ug/L	97
13) Iodomethane	4.474	142	921675	40.01	ug/L	76
14) Allyl chloride	4.803	41	607799	36.78	ug/L	85
15) Methylene Chloride	4.925	49	543415	40.89	ug/L	91
16) Acetone	4.968	43	472130	164.16	ug/L	84
17) Methyl acetate	5.078	43	1383052m	196.68	ug/L	
18) trans-1,2-Dichloroethene	5.090	61	557037	40.59	ug/L	90
19) Hexane	5.139	56	284924m	42.28	ug/L	
20) Methyl Tert Butyl Ether	5.200	73	939005	39.45	ug/L	80
21) Acetonitrile	5.492	41	303492	352.27	ug/L	85
22) Di-isopropyl ether	5.566	45	1234625	40.51	ug/L	92
23) Chloroprene	5.712	53	529130	38.71	ug/L #	92
24) 1,1-Dichloroethane	5.748	63	707969	40.50	ug/L	81
25) Acrylonitrile	5.809	53	556933	221.22	ug/L	83
26) ETBE	5.956	59	1139709	40.90	ug/L	92
27) Vinyl acetate	5.974	43	3058381	230.41	ug/L	84
28) cis-1,2-Dichloroethene	6.315	96	394653	40.57	ug/L	82
29) 2,2-Dichloropropane	6.437	77	568874	43.50	ug/L	94
30) Bromochloromethane	6.523	128	204151	40.95	ug/L #	50
31) Cyclohexane	6.535	56	608840	42.45	ug/L #	45
32) Chloroform	6.578	83	733733	40.30	ug/L	74
33) Ethyl acetate	6.663	43	1486411	214.83	ug/L	90
34) Tetrahydrofuran	6.754	42	78908	37.49	ug/L #	74

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 17:00:07 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
36) Carbon Tetrachloride	6.742	117	538757	42.51 ug/L	96
37) 1,1,1-Trichloroethane	6.815	97	599097	41.18 ug/L	89
38) 2-Butanone	6.888	43	686422m	183.41 ug/L	
39) 1,1-Dichloropropene	6.925	75	521932	42.05 ug/L	72
40) Propionitrile	7.212	54	387656	359.97 ug/L	94
41) Methacrylonitrile	7.230	41	2003140	370.22 ug/L	91
42) Benzene	7.187	78	1497221	40.95 ug/L	74
43) TAME	7.260	73	1074614	40.95 ug/L	93
45) 1,2-Dichloroethane	7.388	62	511899	39.64 ug/L	79
46) Trichloroethene	7.754	95	415302	41.51 ug/L #	68
47) Methylcyclohexane	7.754	83	681242	43.49 ug/L	90
48) Dibromomethane	8.193	93	241169	39.71 ug/L	95
49) 1,2-Dichloropropane	8.291	63	389503	40.34 ug/L	81
50) Bromodichloromethane	8.333	83	525363	41.54 ug/L #	88
51) Methyl methacrylate	8.449	41	241878	39.01 ug/L #	66
52) 2-Chloroethyl vinyl ether	8.870	63	1119018	208.67 ug/L #	35
53) cis-1,3-Dichloropropene	8.955	75	640569m	42.92 ug/L	
56) Toluene	9.193	91	1666250	40.75 ug/L	90
57) 2-Nitropropane	9.437	41	350816	214.96 ug/L #	74
58) 4-Methyl-2-pentanone	9.546	43	1437565	199.12 ug/L	87
59) trans-1,3-Dichloropropene	9.595	75	559166	43.21 ug/L	89
60) Tetrachloroethene	9.577	166	417001	37.21 ug/L	89
61) Ethyl methacrylate	9.705	69	407724	39.44 ug/L	84
62) 1,1,2-Trichloroethane	9.760	83	280602	39.52 ug/L	97
63) Dibromochloromethane	9.949	129	388946	42.88 ug/L	87
64) 1,3-Dichloropropane	10.040	76	546378	38.85 ug/L	77
65) 1,2-Dibromoethane	10.211	107	316200	39.91 ug/L	94
66) 2-hexanone	10.369	43	1092221	202.38 ug/L	89
67) 1-Chlorohexane	10.650	91	580405	44.23 ug/L #	72
68) Ethylbenzene	10.711	91	2047453	41.28 ug/L	89
69) Chlorobenzene	10.711	112	1134642	41.19 ug/L	89
70) 1,1,1,2-Tetrachloroethane	10.766	131	391634	42.90 ug/L #	71
71) m,p-Xylene	10.851	91	3008672	86.35 ug/L	96
72) o-Xylene	11.296	91	1368696	43.18 ug/L	90
73) Styrene	11.351	104	1165075	41.48 ug/L	87
74) Bromoform	11.406	173	234946	41.46 ug/L	87
75) Isopropylbenzene	11.601	105	1700602	42.63 ug/L	81
78) cis-1,4-Dichloro-2-butene	11.967	53	79982	41.52 ug/L #	71
79) n-Propylbenzene	12.022	91	2116269	42.77 ug/L	87
80) Bromobenzene	12.040	156	497439	42.09 ug/L	84
81) 1,1,2,2-Tetrachloroethane	12.101	83	412016m	39.59 ug/L	
82) 1,3,5-Trimethylbenzene	12.211	105	1695661	44.51 ug/L	95
83) 2-Chlorotoluene	12.211	91	1505753	42.88 ug/L	97
84) trans-1,4-Dichloro-2-B...	12.284	53	96924	46.40 ug/L #	76
85) 1,2,3-Trichloropropane	12.259	110	111198	40.24 ug/L	73
86) Cyclohexanone	12.326	55	51639	198.52 ug/L #	62
87) 4-Chlorotoluene	12.381	91	1259206	43.03 ug/L	77
88) tert-Butylbenzene	12.552	91	833595	43.75 ug/L	96
89) 1,2,4-Trimethylbenzene	12.619	105	1661029	44.12 ug/L	97
90) Pentachloroethane	12.601	167	269771	49.15 ug/L #	53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 17:00:07 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	sec-Butylbenzene	12.735	105	1916860	44.41	ug/L		97
92)	4-Isopropyltoluene	12.869	119	1596755	44.92	ug/L		87
93)	1,3-Dichlorobenzene	12.997	146	820324	42.05	ug/L		77
94)	1,4-Dichlorobenzene	13.082	146	942985	41.06	ug/L	#	77
95)	n-Butylbenzene	13.308	92	1005626	44.44	ug/L		94
96)	Benzyl Chloride	13.332	126	160301	43.88	ug/L	#	1
97)	1,2-Dichlorobenzene	13.515	146	778138	41.78	ug/L		90
98)	1,2-Dibromo-3-Chloropr...	14.277	75	55895	41.42	ug/L	#	58
99)	Hexachlorobutadiene	14.820	225	269379	44.54	ug/L		87
100)	1,2,4-Trichlorobenzene	14.869	180	562247	44.51	ug/L		85
101)	Naphthalene	15.161	128	1084320	45.06	ug/L		99
102)	1,2,3-Trichlorobenzene	15.326	180	479893	44.82	ug/L		86
104)	Ethanol	4.212	45	74596m	892.45	ug/L		
105)	Acrolein	4.663	56	309098	216.66	ug/L		89
106)	Tert Butyl Alcohol	5.267	59	238840	412.44	ug/L	#	100
107)	Isobutyl alcohol	7.321	42	134342	743.40	ug/L	#	40
108)	Tert Amyl Alcohol	7.437	59	196313	420.84	ug/L		47
109)	1,4-Dioxane	8.522	88	56127	939.77	ug/L		84

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\103113\
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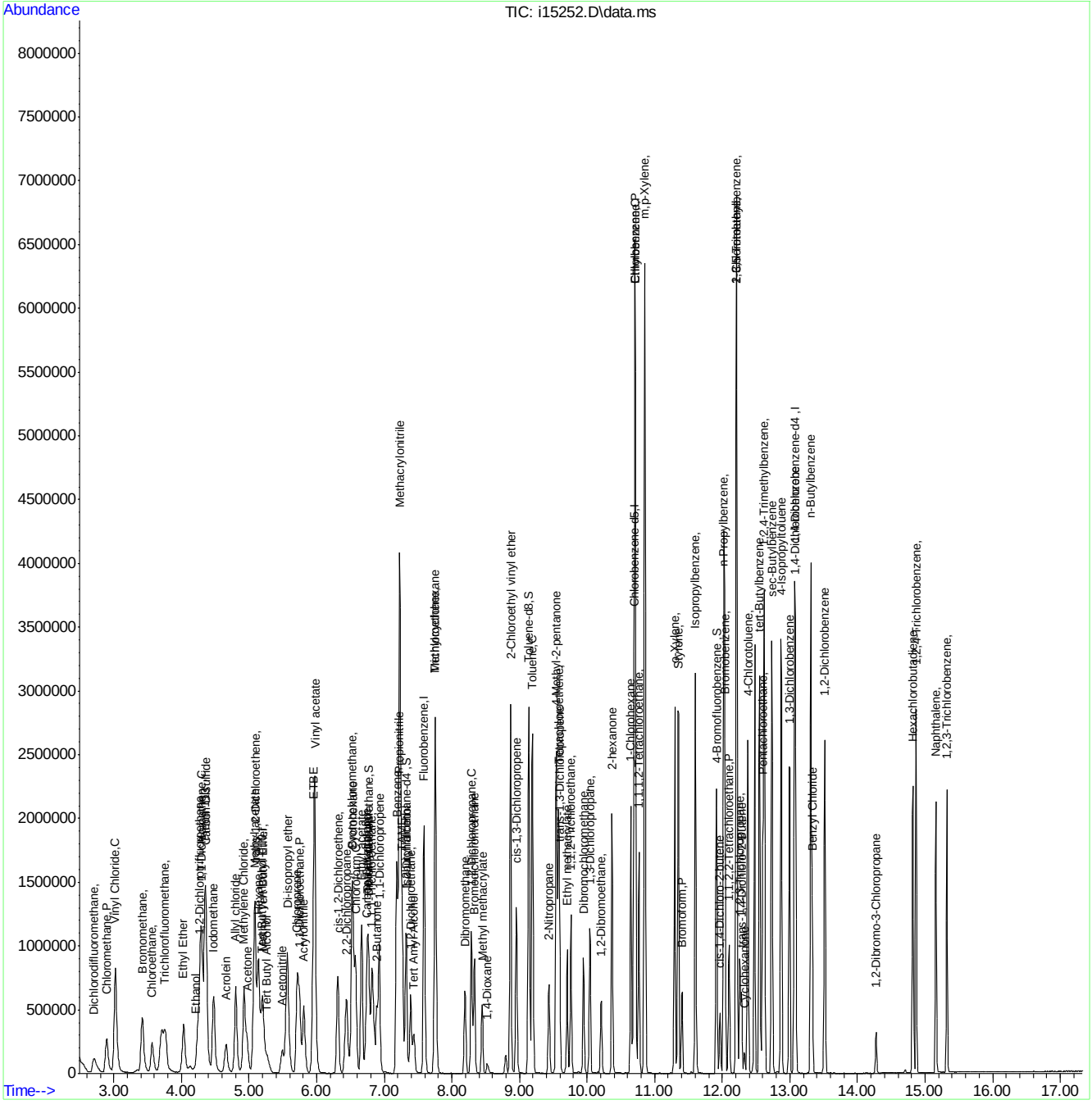
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Manual Integration Approval Summary

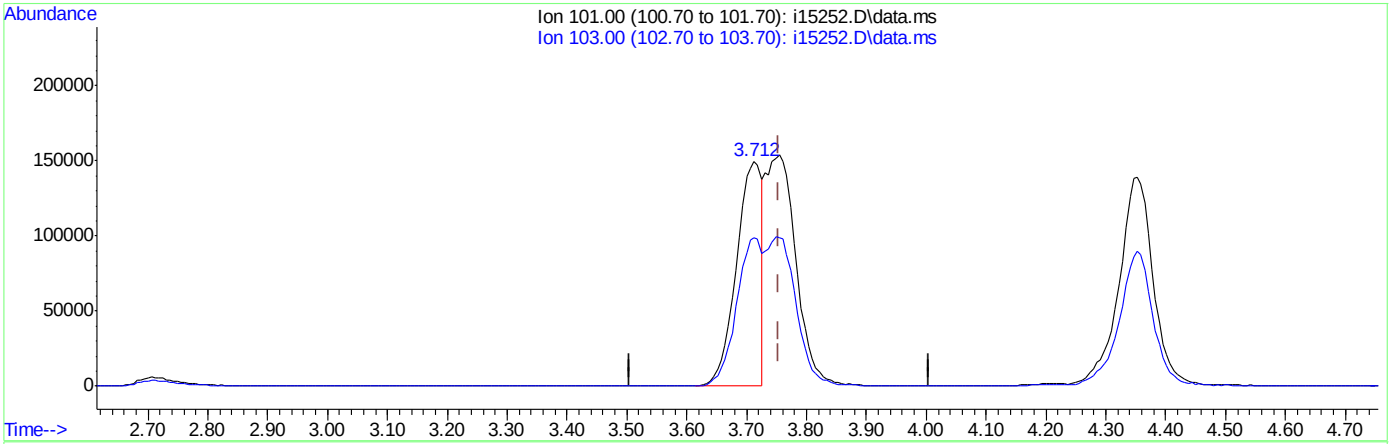
Sample Number: VI196-CC195
Lab FileID: I15252.D
Injection Time: 10/31/13 10:01
Method: SW846 8260B
Analyst approved: 11/01/13 09:52 Wilfredo Vazquez
Supervisor approved: 11/01/13 11:20 Juan Garcia

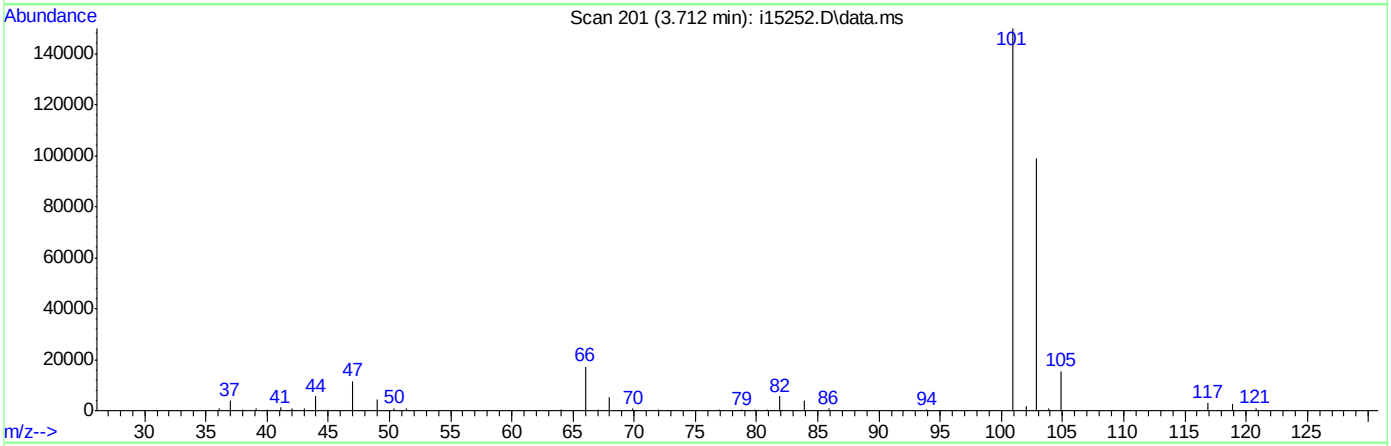
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.75	Split peak
Ethyl Alcohol	64-17-5		4.21	Missed peak
Methyl Acetate	79-20-9		5.08	Overlapping peak
Hexane	110-54-3		5.14	Overlapping peak
Methyl ethyl ketone	78-93-3		6.89	Overlapping peak
cis-1,3-Dichloropropene	10061-01-5		8.96	Missed peak
1,1,2,2-Tetrachloroethane	79-34-5		12.10	Missed peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:56:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15252.D\data.ms

(7) Trichlorofluoromethane ( )

3.712min (-0.043) 17.82ug/L

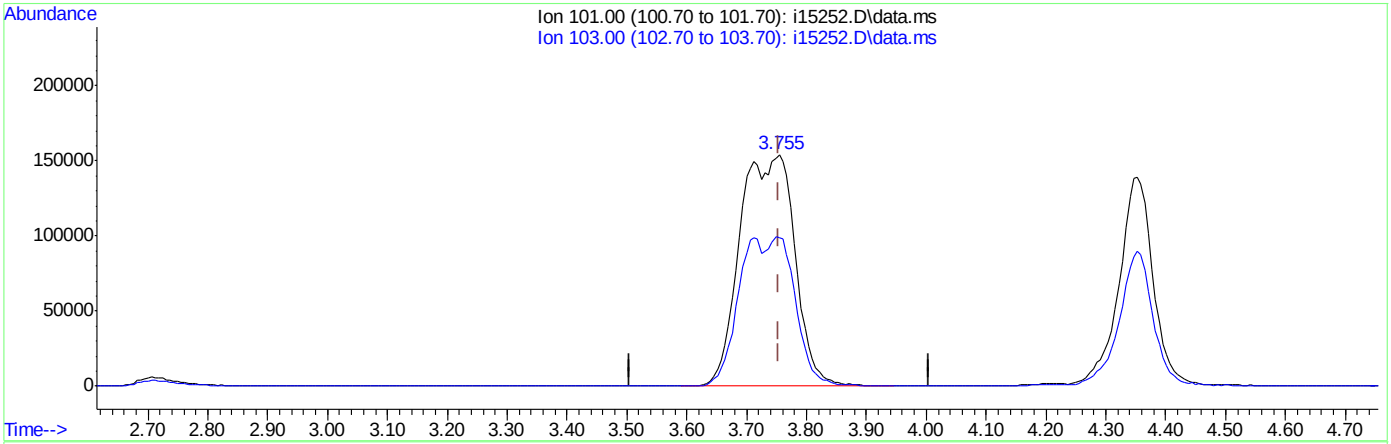
response 433364

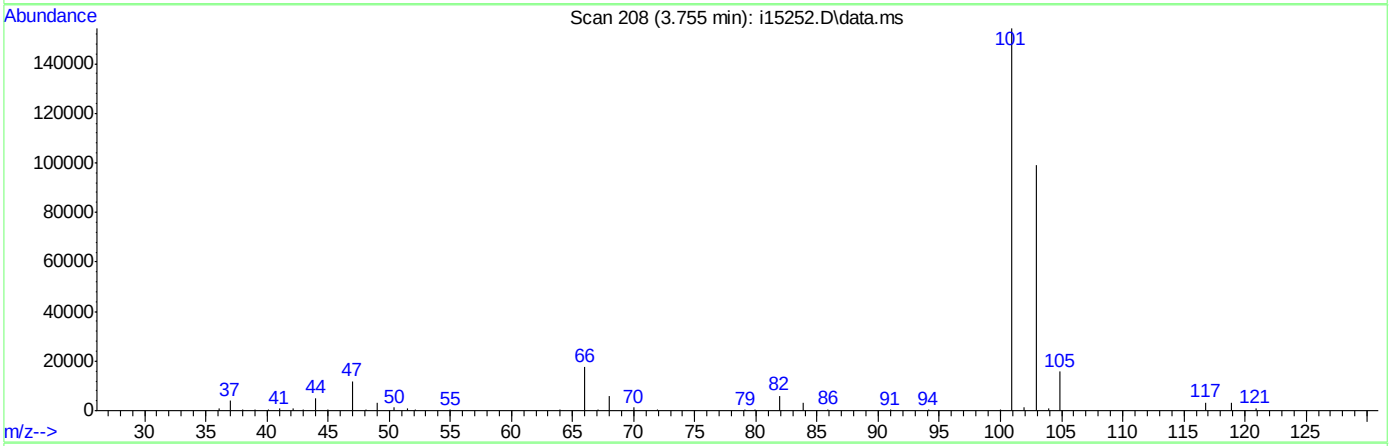
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	65.92
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:56:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15252.D\data.ms

(7) Trichlorofluoromethane ( )

3.755min (-0.000) 39.76ug/L m

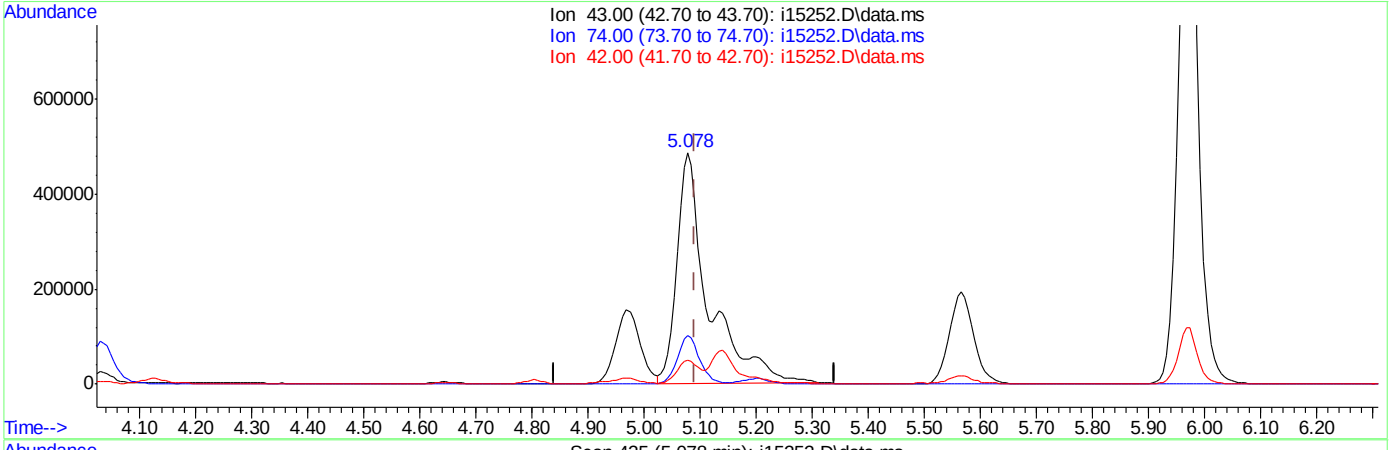
response 984035

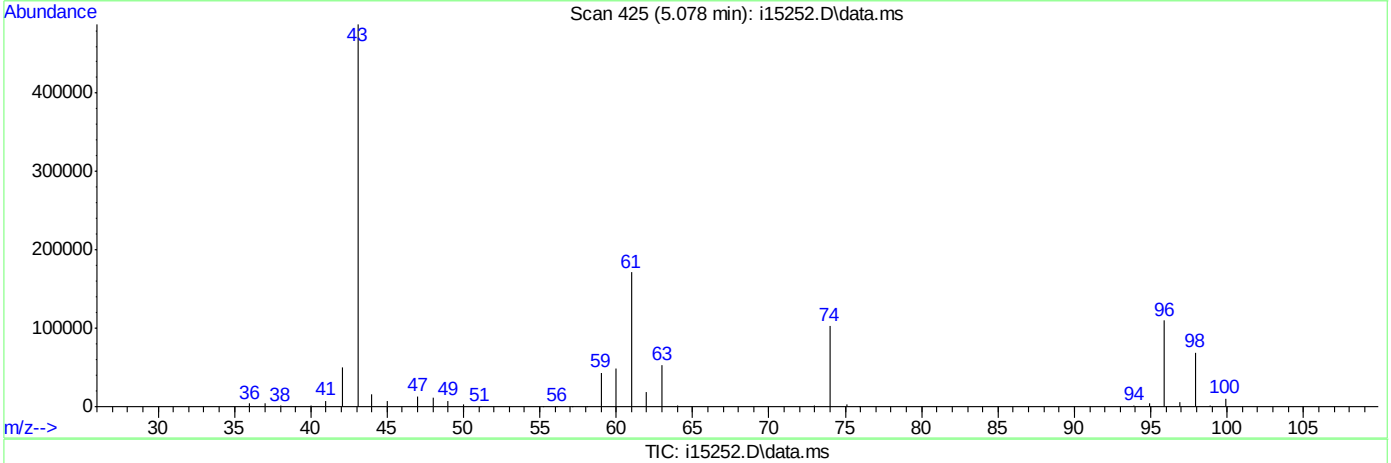
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	64.11
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:56:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15252.D\data.ms

(17) Methyl acetate

5.078min (-0.012) 264.56ug/L

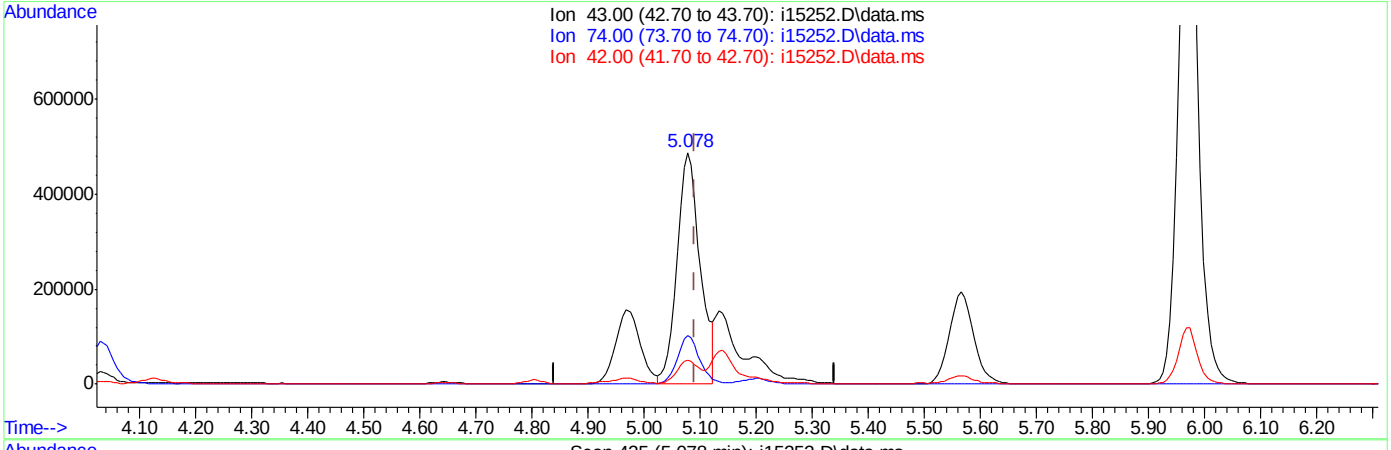
response 1884696

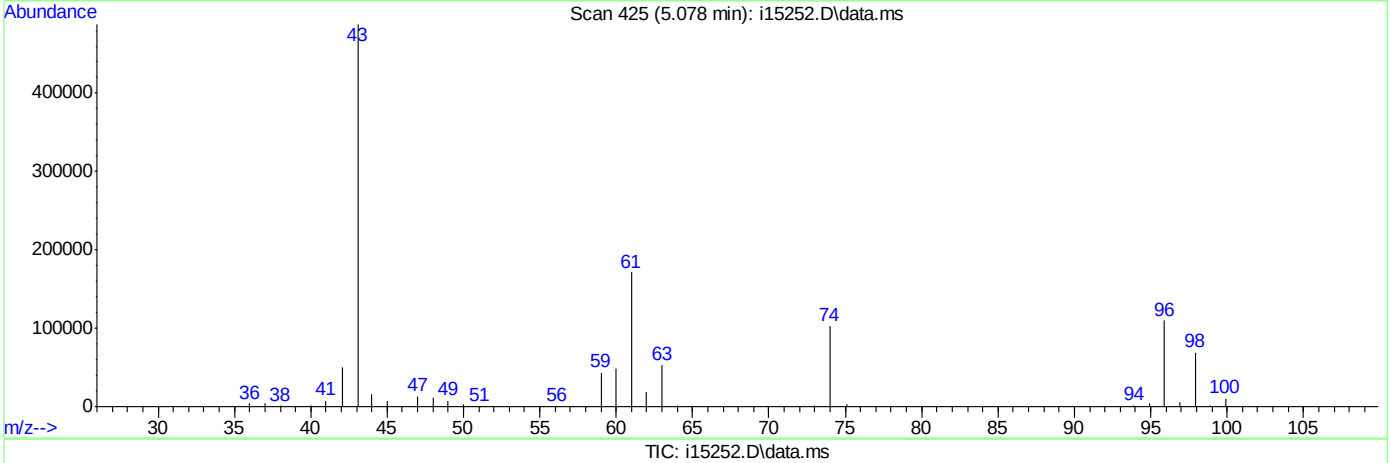
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.31
42.00	14.70	10.22
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:56:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15252.D\data.ms

(17) Methyl acetate

5.078min (-0.012) 196.68ug/L m

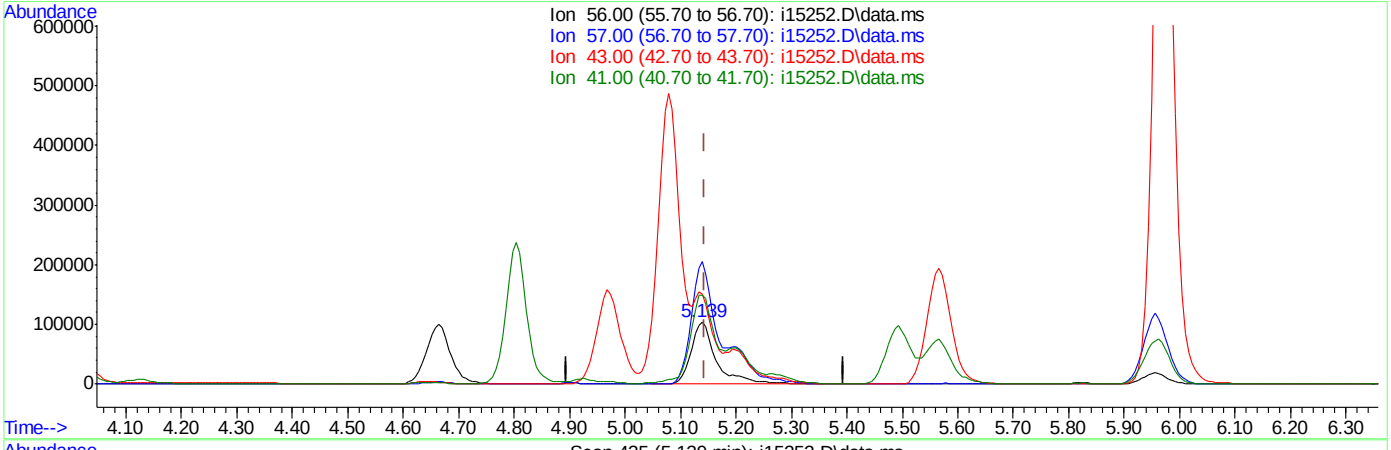
response 1383052

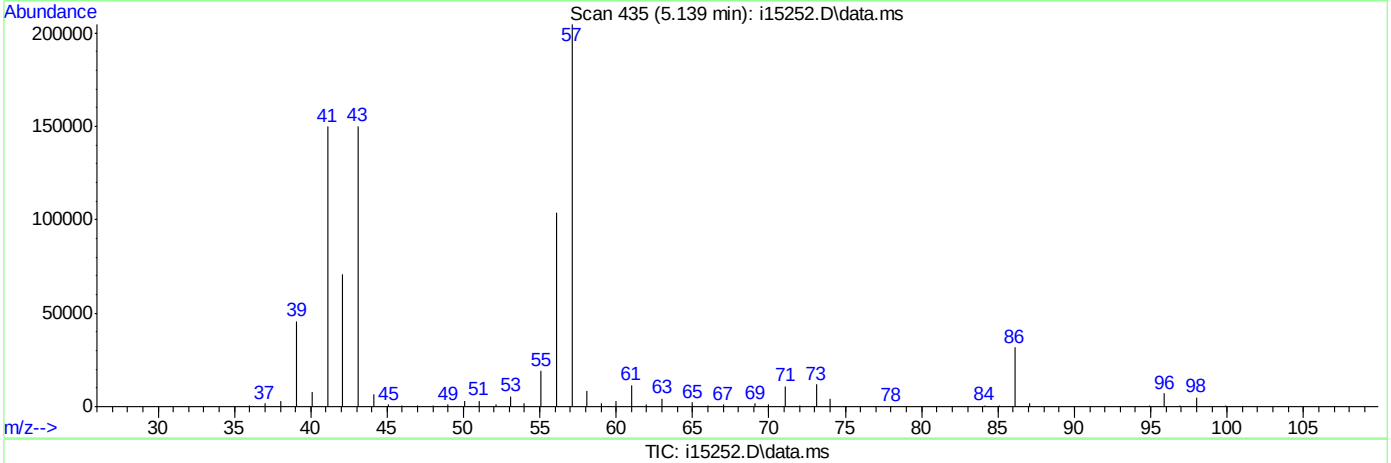
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	21.12
42.00	14.70	10.39
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:56:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15252.D\data.ms

(19) Hexane

5.139min (-0.006) 49.62ug/L

response 334373

Ion	Exp%	Act%
56.00	100	100
57.00	157.00	196.65#
43.00	185.00	143.41#
41.00	125.10	142.68

Quantitation Report (Qedit)

```
Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On    : 31 Oct 2013  10:01 am
Operator  : WILFREDO
Sample    : cc195-4
Misc      : ms25522,vi196,,,,,
ALS Vial  : 1   Sample Multiplier: 1

Quant Time: Oct 31 16:56:17 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title  : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration
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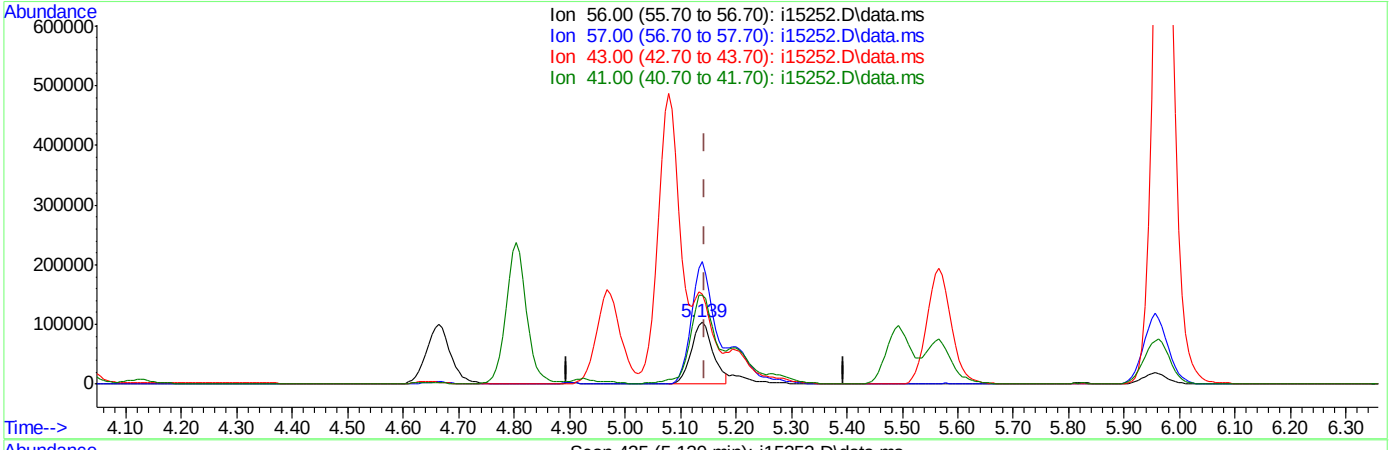
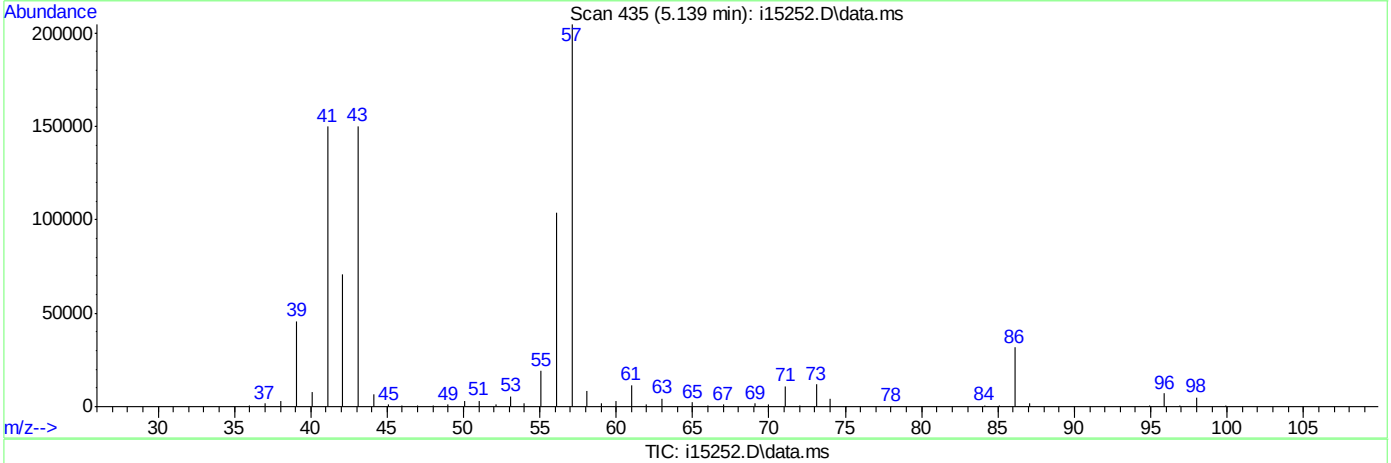




TIC: i15252.D\data.ms

(19) Hexane

5.139min (-0.006) 42.28ug/L m

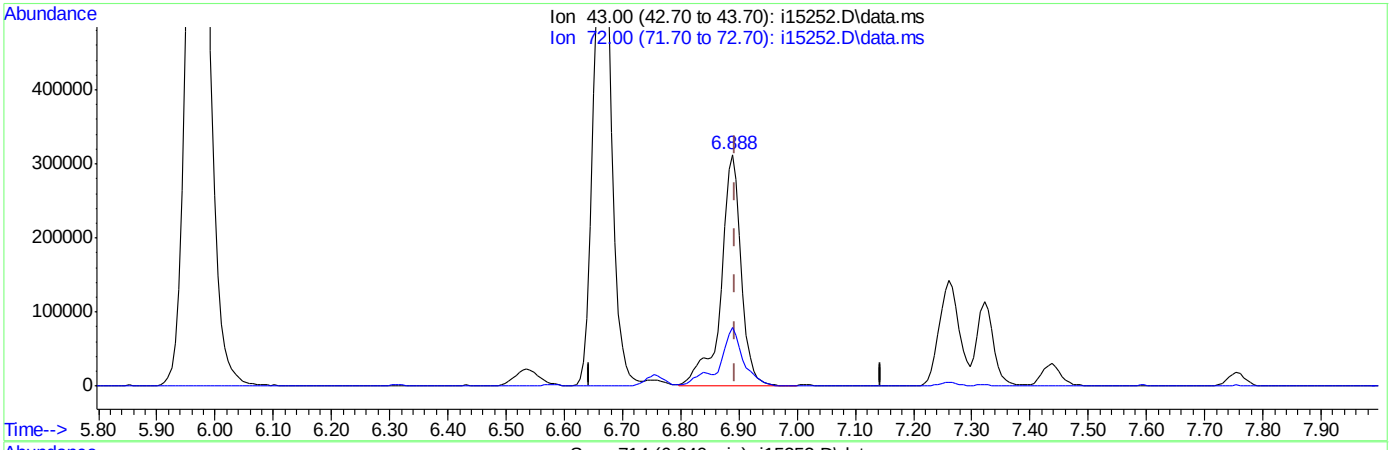
response 284924

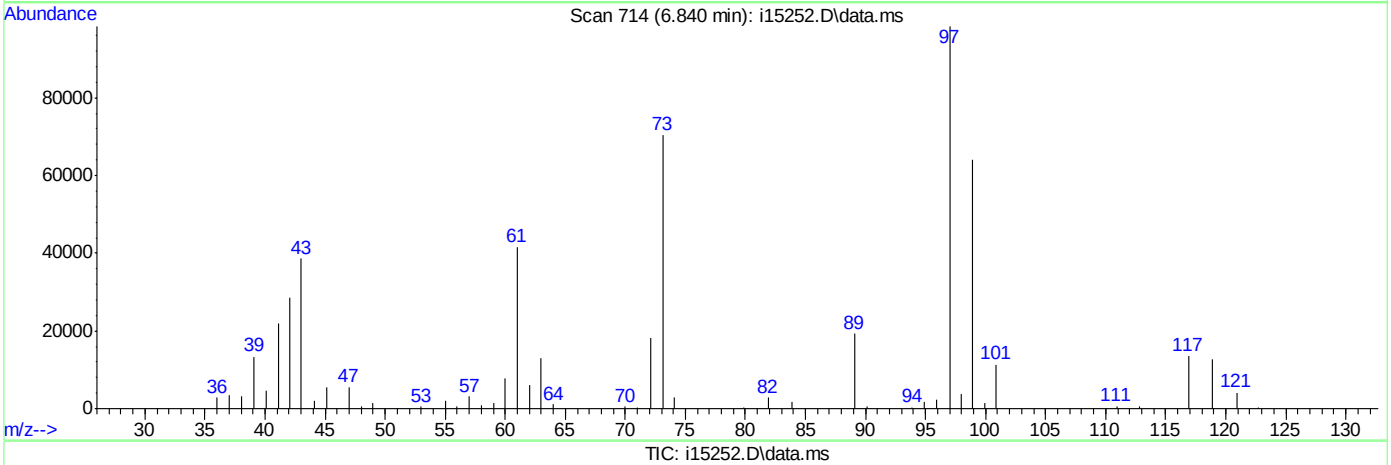
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	196.65#
43.00	185.00	144.24#
41.00	125.10	144.12

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:58:10 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15252.D\data.ms

(38) 2-Butanone

6.888min (-0.006) 198.02ug/L

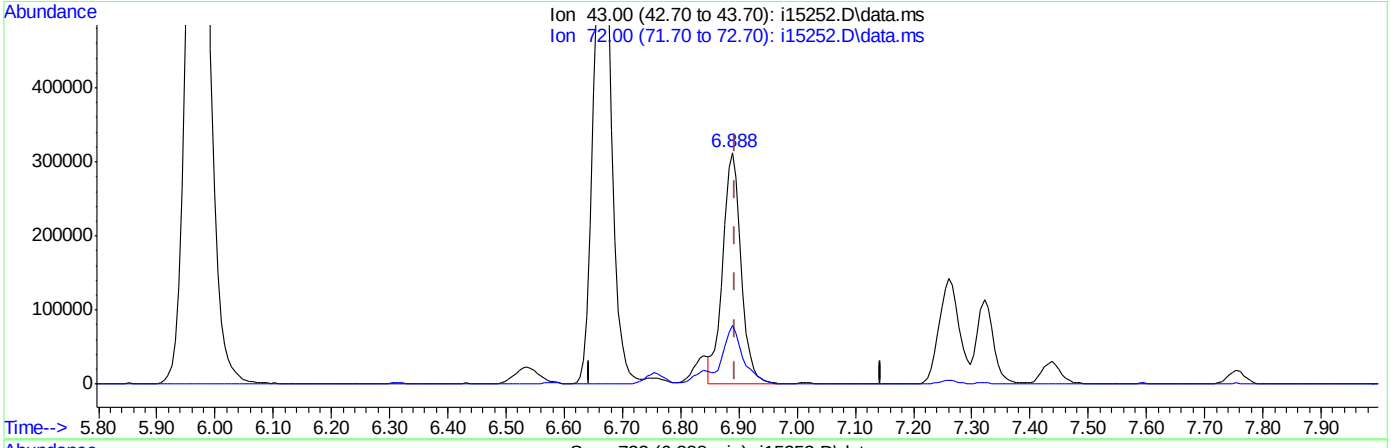
response 741112

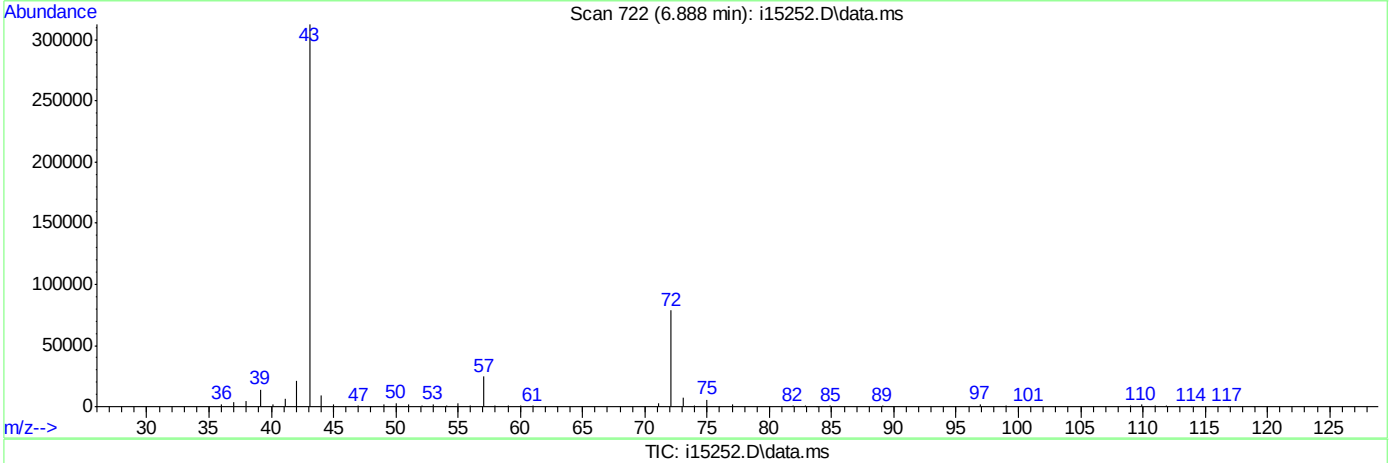
Ion	Exp%	Act%
43.00	100	100
72.00	38.90	25.31
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:58:10 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15252.D\data.ms

(38) 2-Butanone

6.888min (-0.006) 183.41ug/L m

response 686422

Ion	Exp%	Act%
43.00	100	100
72.00	38.90	25.21
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:58:10 2013
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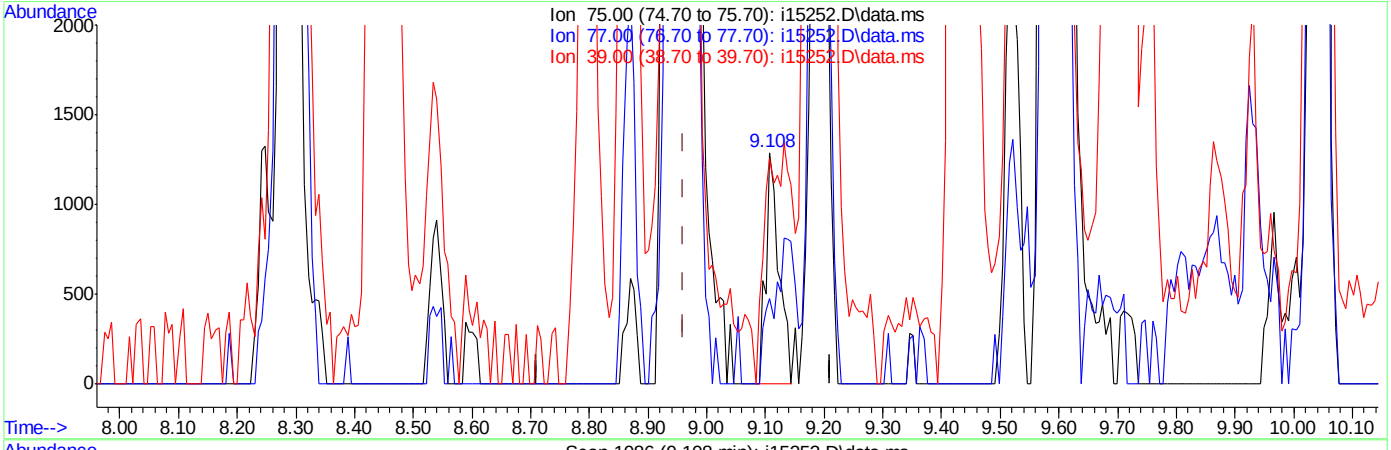
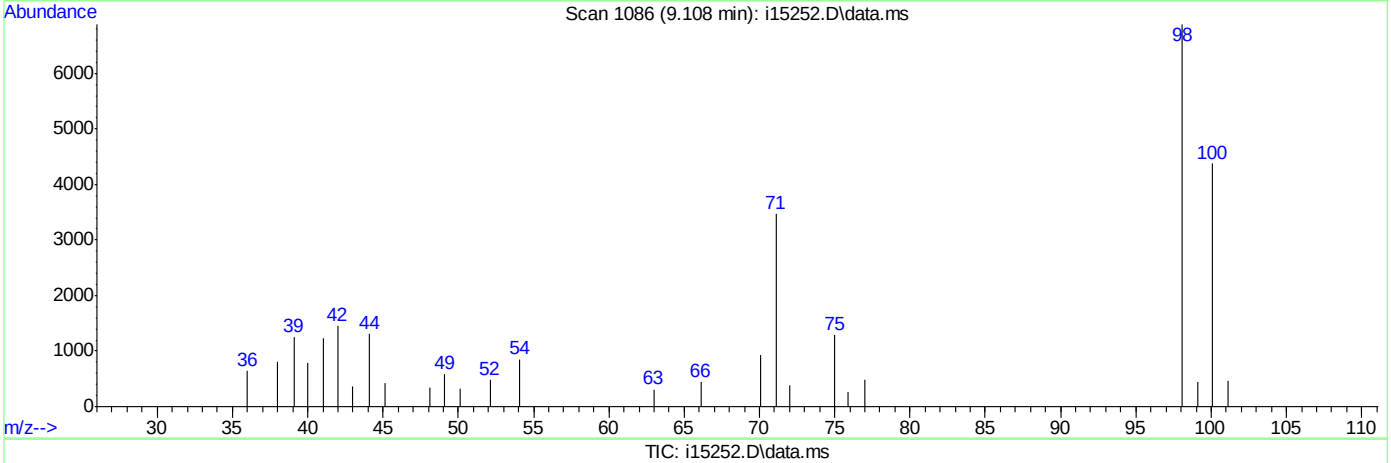
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15252.D\data.ms

(53) cis-1,3-Dichloropropene

9.108min (+0.147) 0.13ug/L

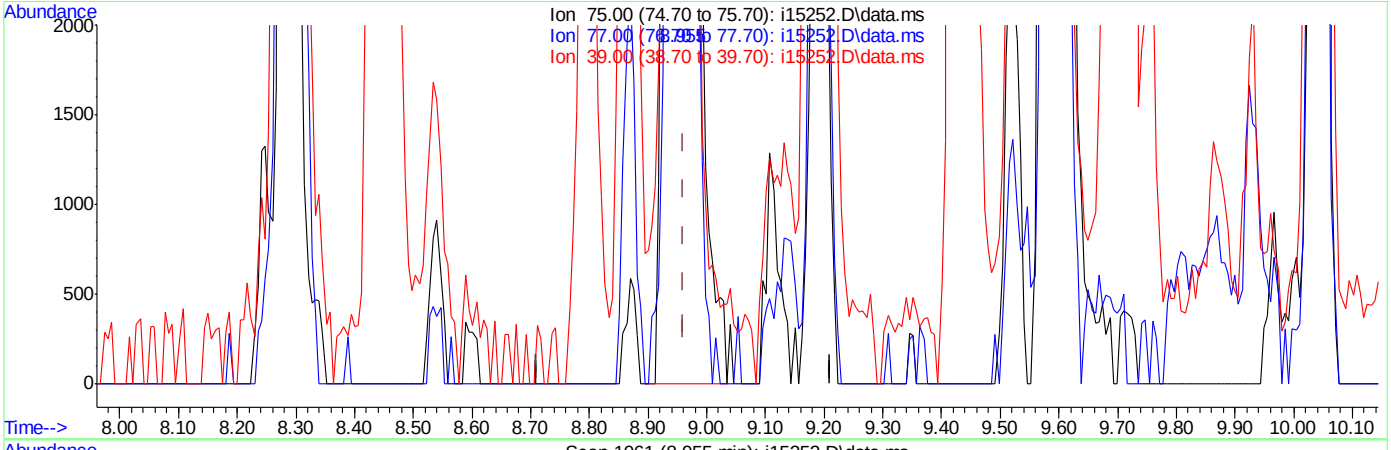
response 1987

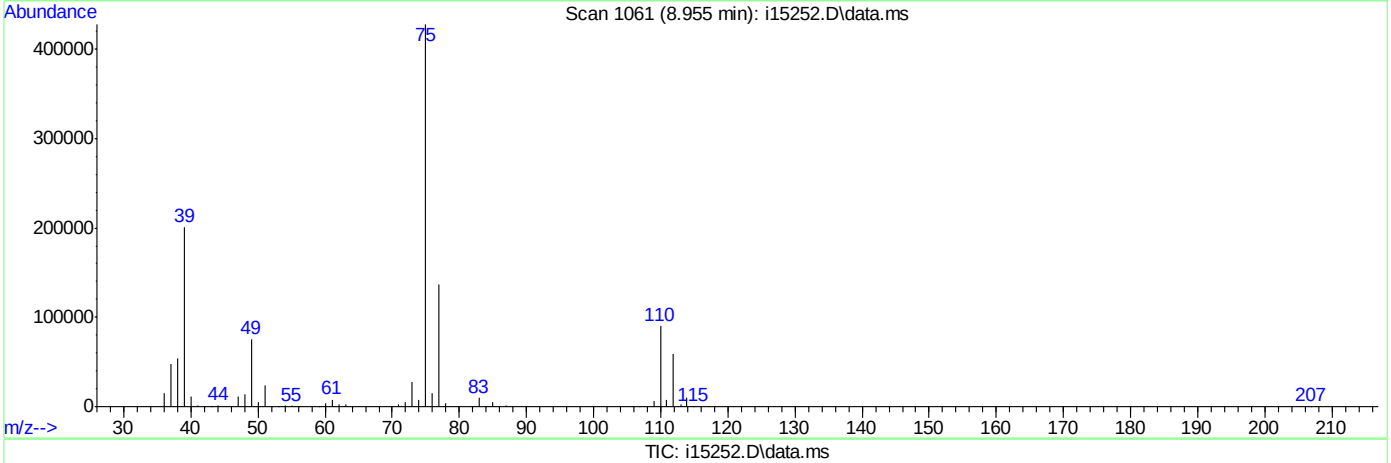
Ion	Exp%	Act%
75.00	100	100
77.00	37.10	36.87
39.00	87.10	97.37
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:58:10 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15252.D\data.ms

(53) cis-1,3-Dichloropropene

8.955min (-0.006) 42.92ug/L m

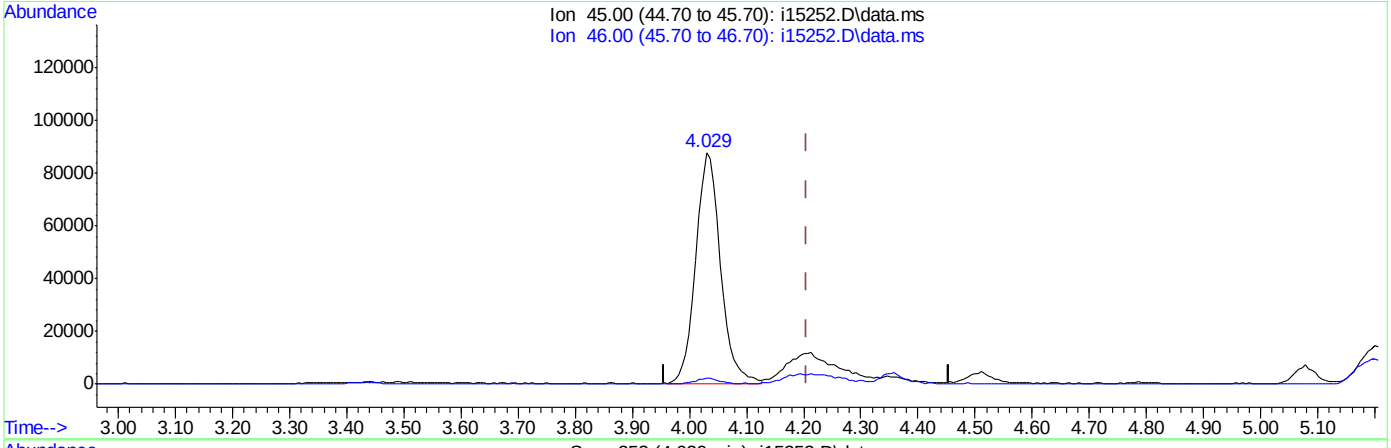
response 640569

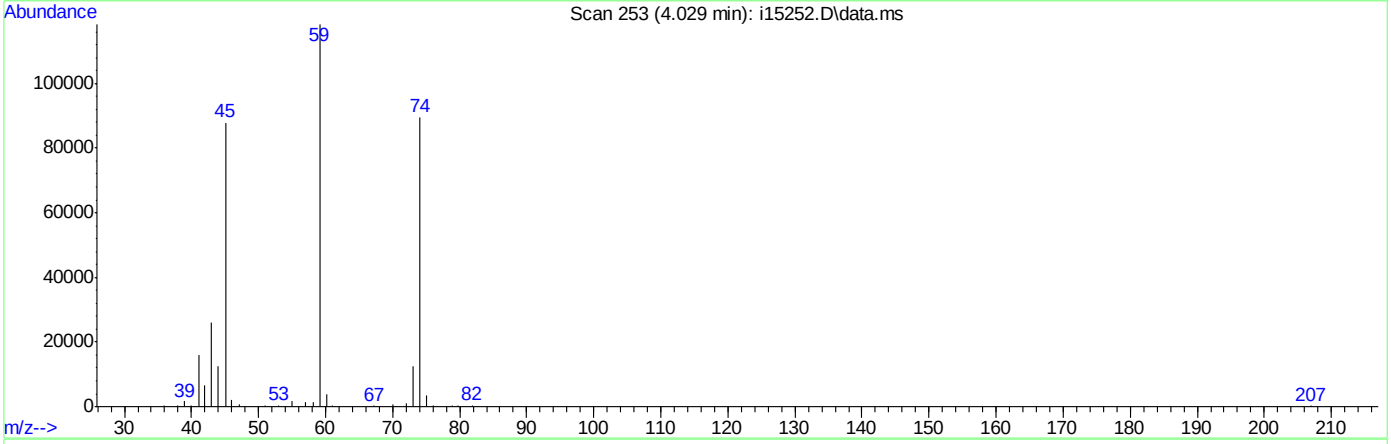
Ion	Exp%	Act%
75.00	100	100
77.00	37.10	31.93
39.00	87.10	47.02#
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:58:10 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15252.D\data.ms

(104) Ethanol

4.029min (-0.177) 3132.25ug/L

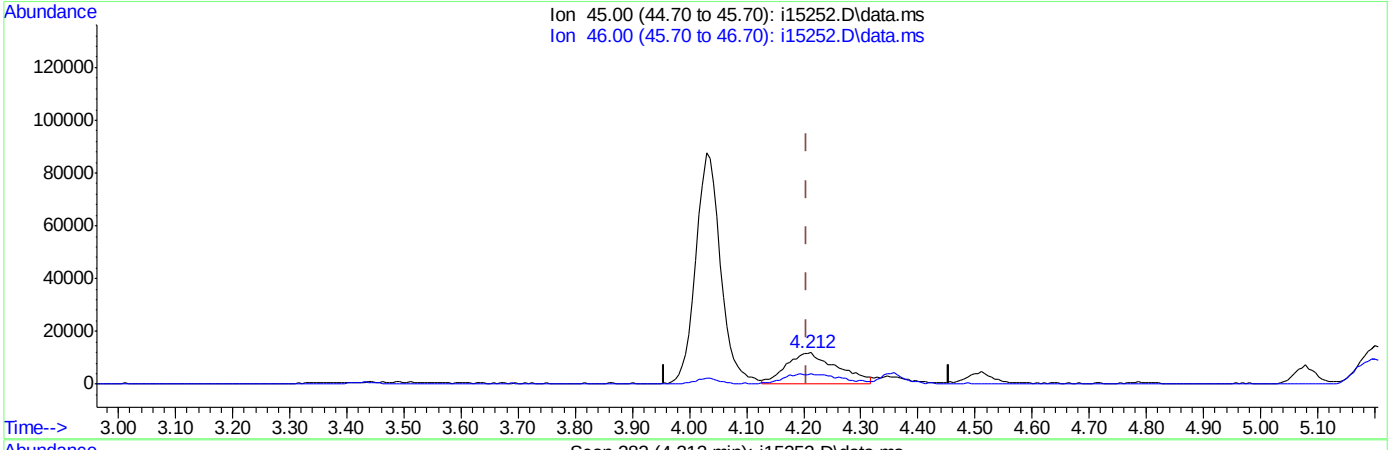
response 261812

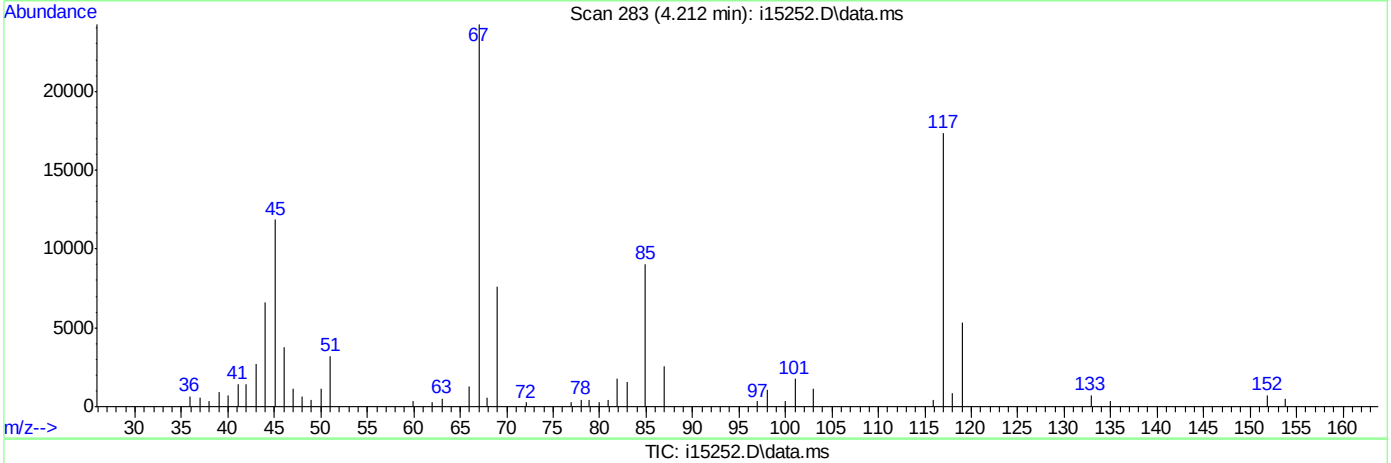
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.42
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:58:10 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15252.D\data.ms

(104) Ethanol

4.212min (+0.006) 892.45ug/L m

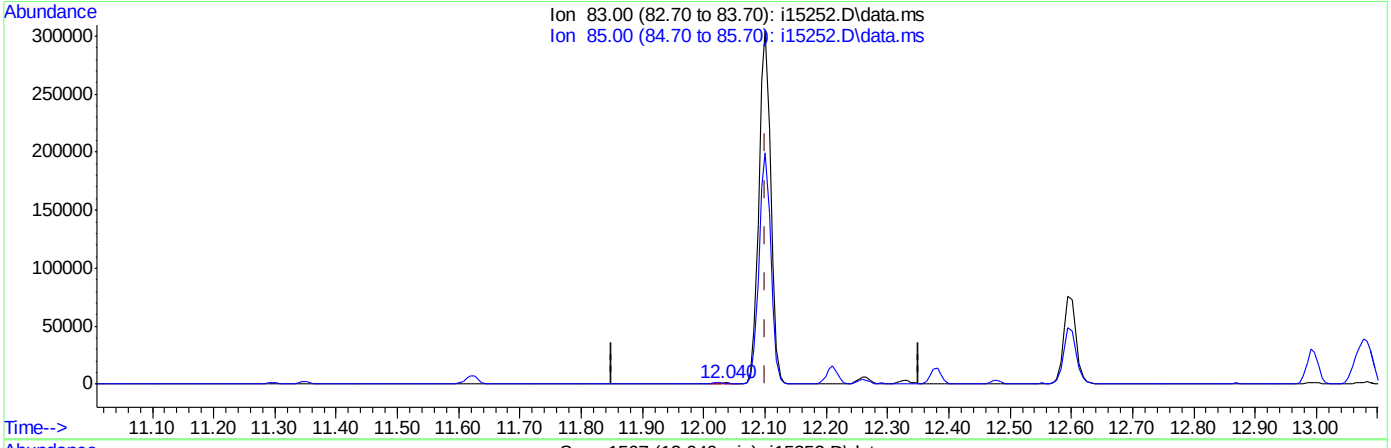
response 74596

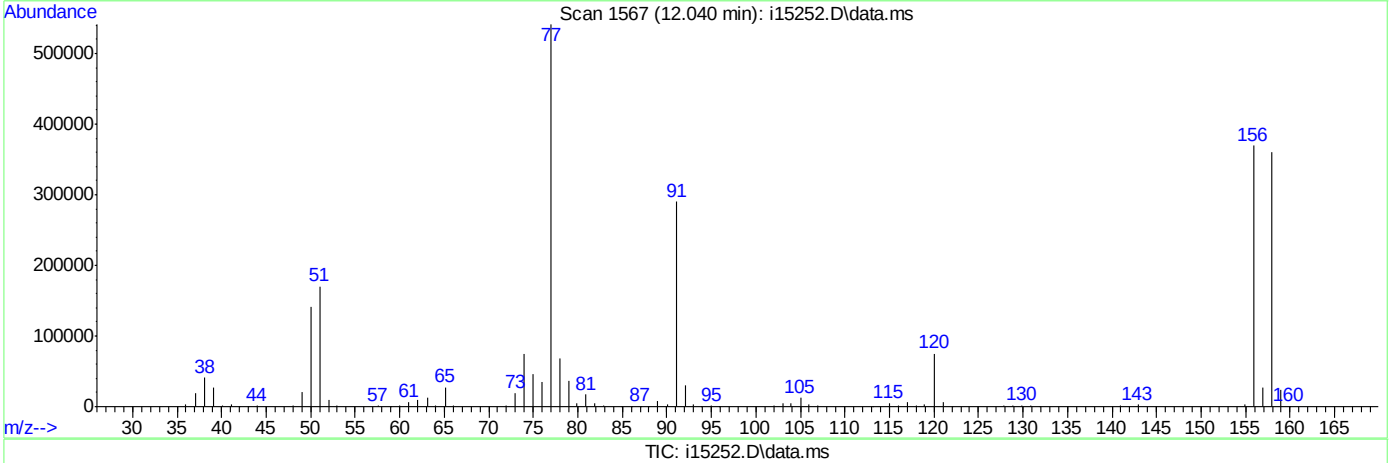
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	32.00#
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:58:10 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





(81) 1,1,2,2-Tetrachloroethane (P)

12.040min (-0.061) 0.14ug/L

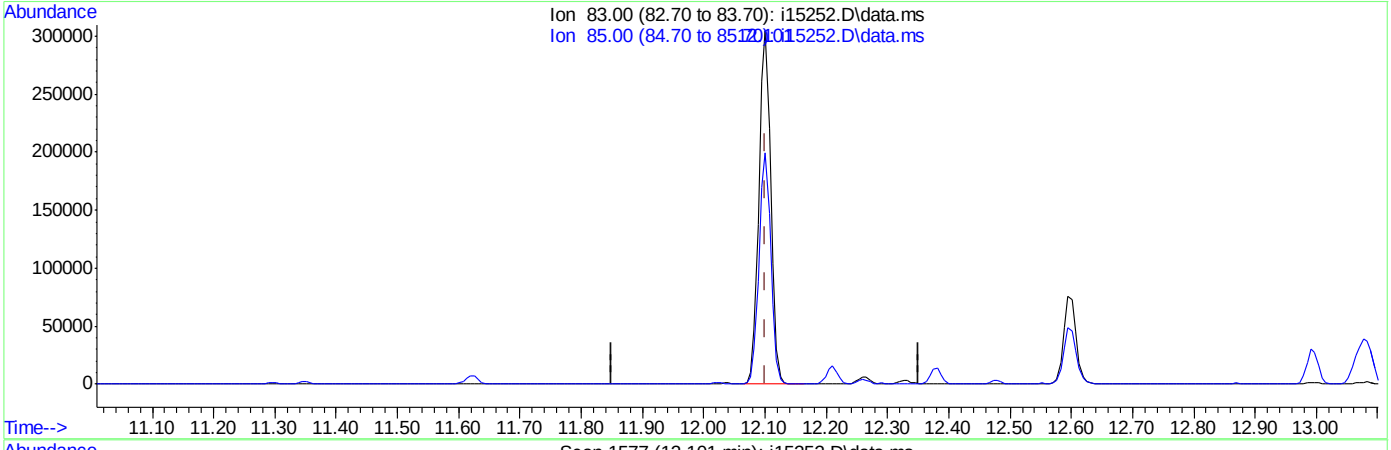
response 1438

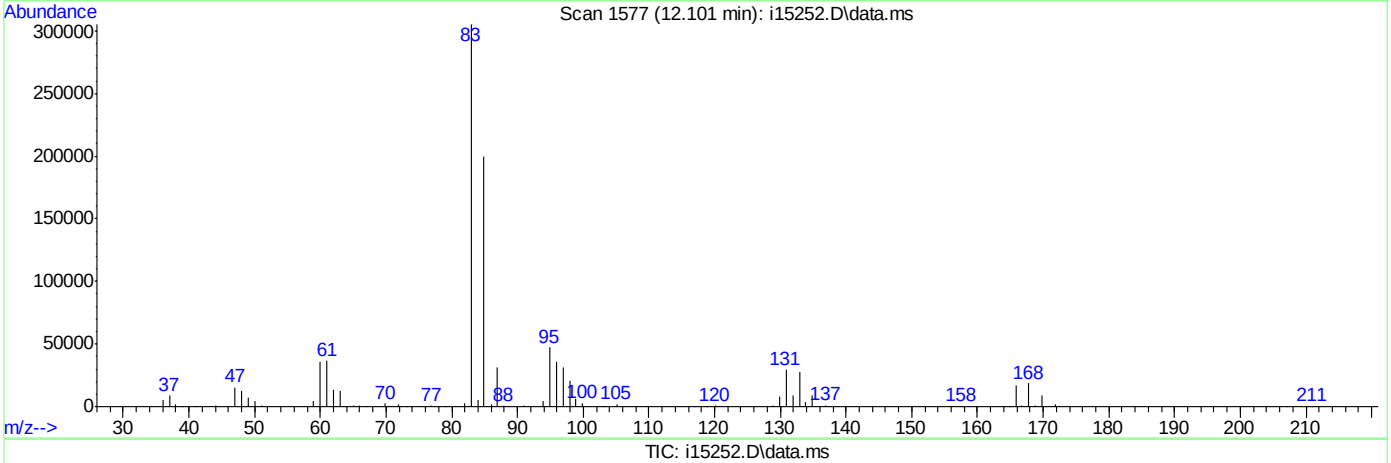
Ion	Exp%	Act%
83.00	100	100
85.00	32.20	27.77
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\103113\
Data File : i15252.D
Acq On : 31 Oct 2013 10:01 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25522,vi196,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 16:58:10 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





(81) 1,1,2,2-Tetrachloroethane (P)

12.101min (-0.000) 39.59ug/L m

response 412016

Ion	Exp%	Act%
83.00	100	100
85.00	32.20	65.44#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:17

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 09:17:07 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.590	96	1435354	50.00	ug/L	0.00
54) Chlorobenzene-d5	10.693	117	1138211	50.00	ug/L	0.00
76) 1,4-Dichlorobenzene-d4	13.070	152	575659	50.00	ug/L	0.00
103) Tert Butyl Alcohol-d10	5.188	65	98400	250.00	ug/L	-0.02
System Monitoring Compounds						
35) Dibromofluoromethane	6.767	113	387884	47.67	ug/L	-0.01
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.34%			
44) 1,2-Dichloroethane-d4	7.321	65	437331	47.29	ug/L	-0.01
Spiked Amount 50.000	Range 79 - 125		Recovery = 94.58%			
55) Toluene-d8	9.138	98	1385783	46.17	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 92.34%			
77) 4-Bromofluorobenzene	11.918	174	398681	44.46	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 88.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.706	85	317968	43.56	ug/L #	58
3) Chloromethane	2.889	50	496903	43.22	ug/L	88
4) Vinyl Chloride	3.017	62	585578	43.61	ug/L	82
5) Bromomethane	3.414	94	451053	43.31	ug/L	99
6) Chloroethane	3.560	64	339320	47.67	ug/L #	100
7) Trichlorofluoromethane	3.755	101	963132m	45.41	ug/L	
8) Ethyl Ether	4.029	59	289245	36.97	ug/L	75
9) 1,2-Dichlorotrifluoroe...	4.261	67	506763	39.45	ug/L	94
10) 1,1-Dichloroethene	4.291	61	574981	39.66	ug/L	67
11) Freon 113	4.346	101	465184	39.76	ug/L #	46
12) Carbon Disulfide	4.352	76	1356163	39.61	ug/L	98
13) Iodomethane	4.474	142	743012	37.80	ug/L	76
14) Allyl chloride	4.803	41	525434	37.26	ug/L	88
15) Methylene Chloride	4.919	49	463420	40.86	ug/L	91
16) Acetone	4.968	43	543618	219.74	ug/L	85
17) Methyl acetate	5.072	43	1170251m	195.10	ug/L	
18) trans-1,2-Dichloroethene	5.084	61	465521	39.76	ug/L	88
19) Hexane	5.133	56	235678m	40.99	ug/L	
20) Methyl Tert Butyl Ether	5.200	73	747947	36.83	ug/L	80
21) Acetonitrile	5.486	41	264141	359.32	ug/L	87
22) Di-isopropyl ether	5.559	45	1021942	39.30	ug/L	92
23) Chloroprene	5.712	53	458963	39.35	ug/L #	94
24) 1,1-Dichloroethane	5.748	63	591786	39.68	ug/L	81
25) Acrylonitrile	5.809	53	482935	224.82	ug/L	81
26) ETBE	5.956	59	941591	39.61	ug/L	93
27) Vinyl acetate	5.968	43	2687787	237.31	ug/L	83
28) cis-1,2-Dichloroethene	6.309	96	325269	39.19	ug/L	79
29) 2,2-Dichloropropane	6.437	77	472088	42.30	ug/L	98
30) Bromochloromethane	6.523	128	162584	38.22	ug/L #	41
31) Cyclohexane	6.529	56	519605	42.46	ug/L #	46
32) Chloroform	6.578	83	604171	38.89	ug/L	77
33) Ethyl acetate	6.663	43	1316116	222.93	ug/L	90
34) Tetrahydrofuran	6.754	42	63174	35.18	ug/L #	77

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 09:17:07 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
36) Carbon Tetrachloride	6.742	117	441498	40.82	ug/L		96
37) 1,1,1-Trichloroethane	6.815	97	491758	39.62	ug/L		87
38) 2-Butanone	6.888	43	623362	195.20	ug/L		77
39) 1,1-Dichloropropene	6.925	75	434653	41.05	ug/L		73
40) Propionitrile	7.212	54	334398	363.92	ug/L		94
41) Methacrylonitrile	7.230	41	1723510	373.32	ug/L		91
42) Benzene	7.187	78	1254213	40.20	ug/L		75
43) TAME	7.260	73	879594	39.29	ug/L		92
45) 1,2-Dichloroethane	7.388	62	413935	37.56	ug/L		77
46) Trichloroethene	7.754	95	346597	40.61	ug/L	#	67
47) Methylcyclohexane	7.754	83	567024	42.42	ug/L		89
48) Dibromomethane	8.193	93	194714	37.57	ug/L		94
49) 1,2-Dichloropropane	8.291	63	324774	39.42	ug/L		82
50) Bromodichloromethane	8.333	83	434346	40.25	ug/L	#	89
51) Methyl methacrylate	8.443	41	198669	37.55	ug/L	#	66
52) 2-Chloroethyl vinyl ether	8.864	63	885957	193.62	ug/L	#	36
53) cis-1,3-Dichloropropene	8.955	75	528438	41.49	ug/L	#	67
56) Toluene	9.193	91	1382412	39.68	ug/L		91
57) 2-Nitropropane	9.437	41	270897	194.84	ug/L	#	75
58) 4-Methyl-2-pentanone	9.546	43	1156545	188.03	ug/L		86
59) trans-1,3-Dichloropropene	9.595	75	452683	41.06	ug/L		88
60) Tetrachloroethene	9.577	166	336094	35.20	ug/L		90
61) Ethyl methacrylate	9.705	69	340585	38.67	ug/L		84
62) 1,1,2-Trichloroethane	9.760	83	228826	37.83	ug/L		96
63) Dibromochloromethane	9.949	129	307739	39.82	ug/L		87
64) 1,3-Dichloropropane	10.040	76	449227	37.49	ug/L		76
65) 1,2-Dibromoethane	10.205	107	251868	37.31	ug/L		93
66) 2-hexanone	10.369	43	939348	204.30	ug/L		88
67) 1-Chlorohexane	10.650	91	473790	42.38	ug/L	#	71
68) Ethylbenzene	10.711	91	1710928	40.49	ug/L		89
69) Chlorobenzene	10.711	112	932021	39.71	ug/L		90
70) 1,1,1,2-Tetrachloroethane	10.766	131	313119	40.26	ug/L	#	71
71) m,p-Xylene	10.851	91	2502608	84.31	ug/L		95
72) o-Xylene	11.296	91	1122662	41.57	ug/L		90
73) Styrene	11.345	104	952964	39.93	ug/L		87
74) Bromoform	11.406	173	183055	38.23	ug/L		88
75) Isopropylbenzene	11.601	105	1403452	41.35	ug/L		83
78) cis-1,4-Dichloro-2-butene	11.967	53	70413	41.82	ug/L	#	71
79) n-Propylbenzene	12.022	91	1790577	41.40	ug/L		85
80) Bromobenzene	12.040	156	399088	38.63	ug/L		84
81) 1,1,2,2-Tetrachloroethane	12.101	83	335040	36.84	ug/L	#	40
82) 1,3,5-Trimethylbenzene	12.211	105	1423832	42.75	ug/L		94
83) 2-Chlorotoluene	12.211	91	1252849	40.82	ug/L		96
84) trans-1,4-Dichloro-2-B...	12.284	53	79550	43.81	ug/L	#	84
85) 1,2,3-Trichloropropane	12.259	110	87062	36.04	ug/L		68
86) Cyclohexanone	12.326	55	50675	222.88	ug/L	#	70
87) 4-Chlorotoluene	12.381	91	1049500	41.03	ug/L		76
88) tert-Butylbenzene	12.552	91	706481	42.42	ug/L		96
89) 1,2,4-Trimethylbenzene	12.619	105	1394466	42.37	ug/L		97
90) Pentachloroethane	12.601	167	240209	50.07	ug/L	#	53

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 09:17:07 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration

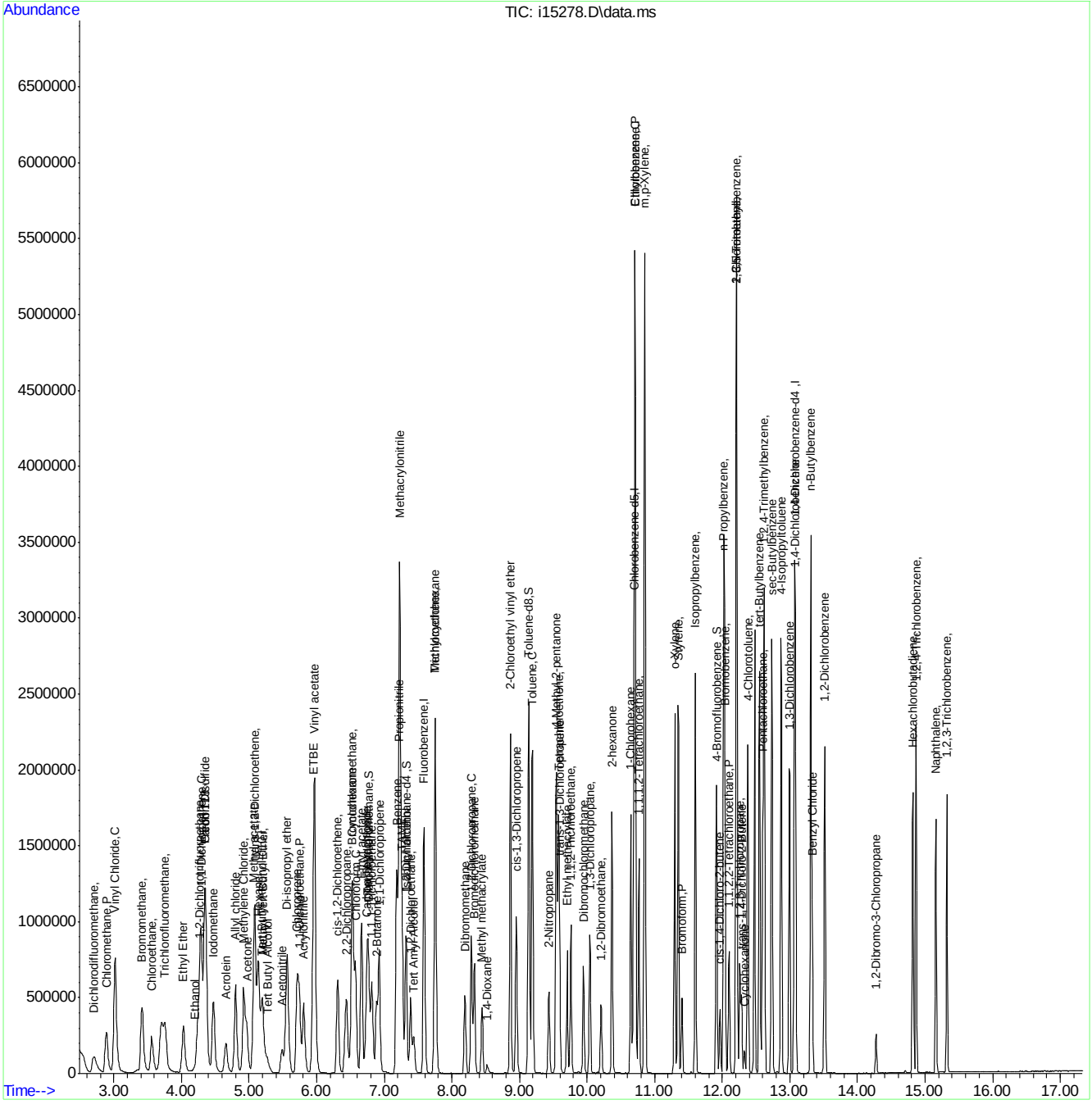
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	sec-Butylbenzene	12.735	105	1621930	42.99	ug/L		95
92)	4-Isopropyltoluene	12.869	119	1342603	43.22	ug/L		88
93)	1,3-Dichlorobenzene	12.997	146	680902	39.94	ug/L		77
94)	1,4-Dichlorobenzene	13.082	146	796064	39.66	ug/L	#	76
95)	n-Butylbenzene	13.308	92	851488	43.05	ug/L		95
96)	Benzyl Chloride	13.332	126	127586	40.26	ug/L	#	1
97)	1,2-Dichlorobenzene	13.515	146	637642	39.17	ug/L		91
98)	1,2-Dibromo-3-Chloropr...	14.277	75	44927	38.08	ug/L	#	48
99)	Hexachlorobutadiene	14.820	225	221360	41.87	ug/L		88
100)	1,2,4-Trichlorobenzene	14.869	180	462734	41.91	ug/L		85
101)	Naphthalene	15.161	128	873158	41.51	ug/L		99
102)	1,2,3-Trichlorobenzene	15.326	180	397398	42.46	ug/L		87
104)	Ethanol	4.200	45	59384m	883.04	ug/L		
105)	Acrolein	4.657	56	262630	228.81	ug/L		89
106)	Tert Butyl Alcohol	5.273	59	173982	373.42	ug/L	#	100
107)	Isobutyl alcohol	7.321	42	116536	801.52	ug/L	#	41
108)	Tert Amyl Alcohol	7.437	59	146831	391.23	ug/L	#	42
109)	1,4-Dioxane	8.522	88	39520	822.46	ug/L		85

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 09:17:07 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Manual Integration Approval Summary

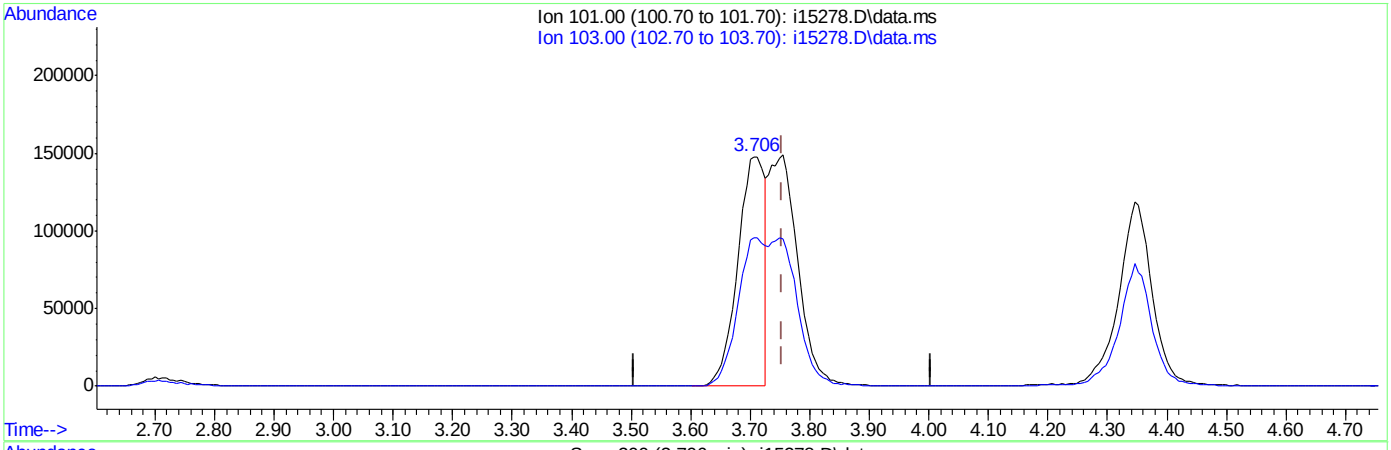
Sample Number:	VI197-CC195	**Method:**	SW846 8260B
Lab FileID:	I15278.D	**Analyst approved:**	11/01/13 13:57 Wilfredo Vazquez
Injection Time:	11/01/13 08:22	**Supervisor approved:**	11/01/13 15:17 Juan Garcia

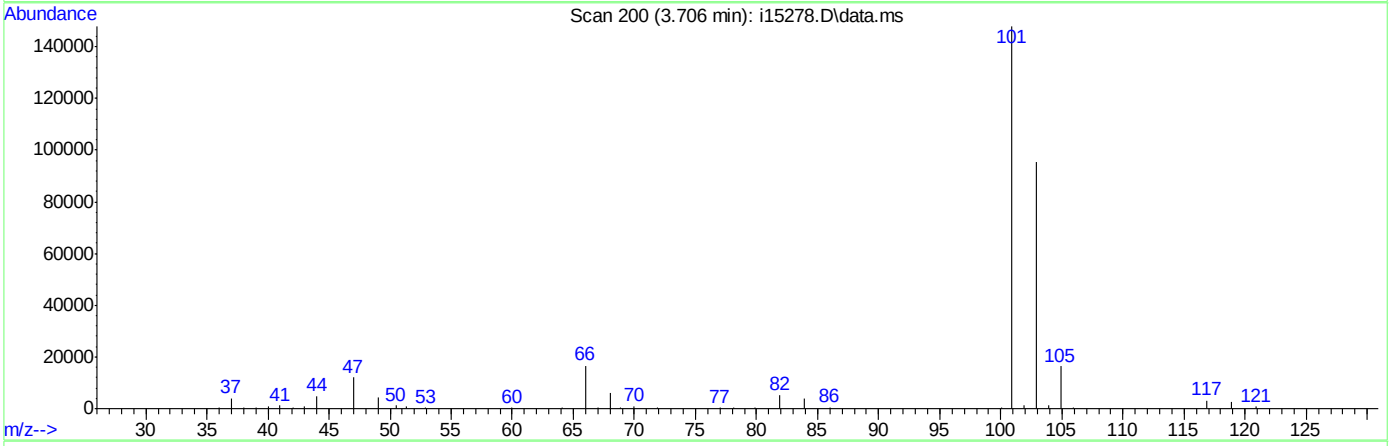
Parameter	CAS	Sig#	R.T. (min.)	Reason
Trichlorofluoromethane	75-69-4		3.75	Split peak
Ethyl Alcohol	64-17-5		4.20	Missed peak
Methyl Acetate	79-20-9		5.07	Overlapping peak
Hexane	110-54-3		5.13	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 08:51:02 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15278.D\data.ms

(7) Trichlorofluoromethane ( )

3.706min (-0.049) 22.08ug/L

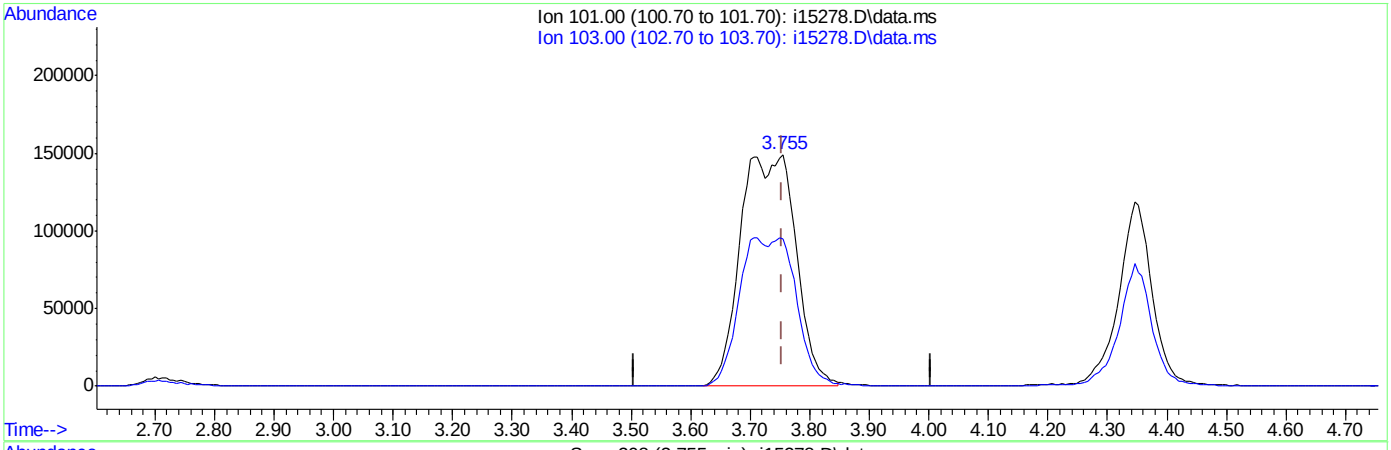
response 459580

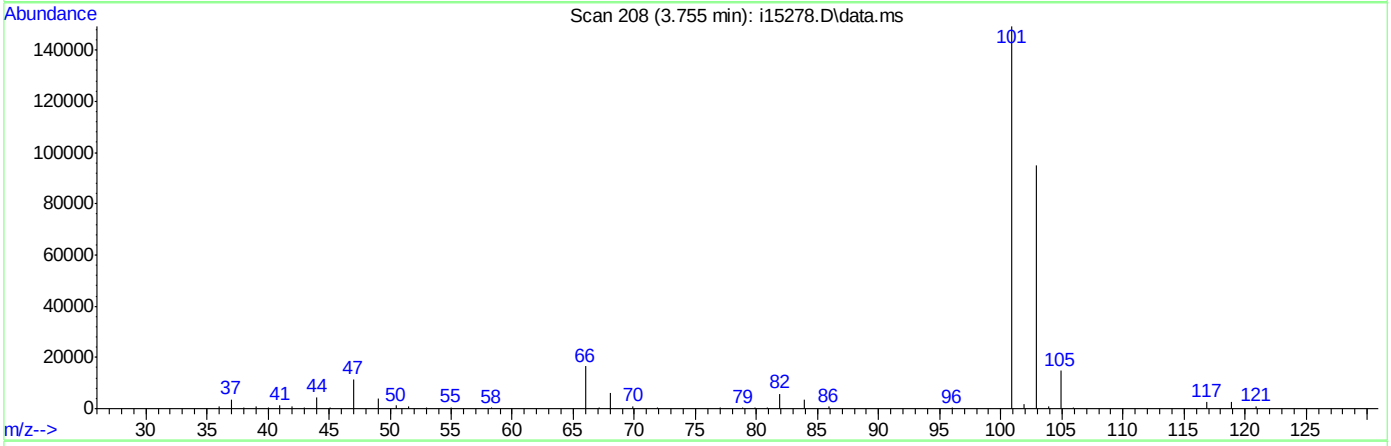
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	64.60
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 08:51:02 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15278.D\data.ms

(7) Trichlorofluoromethane ( )

3.755min (-0.000) 45.41ug/L m

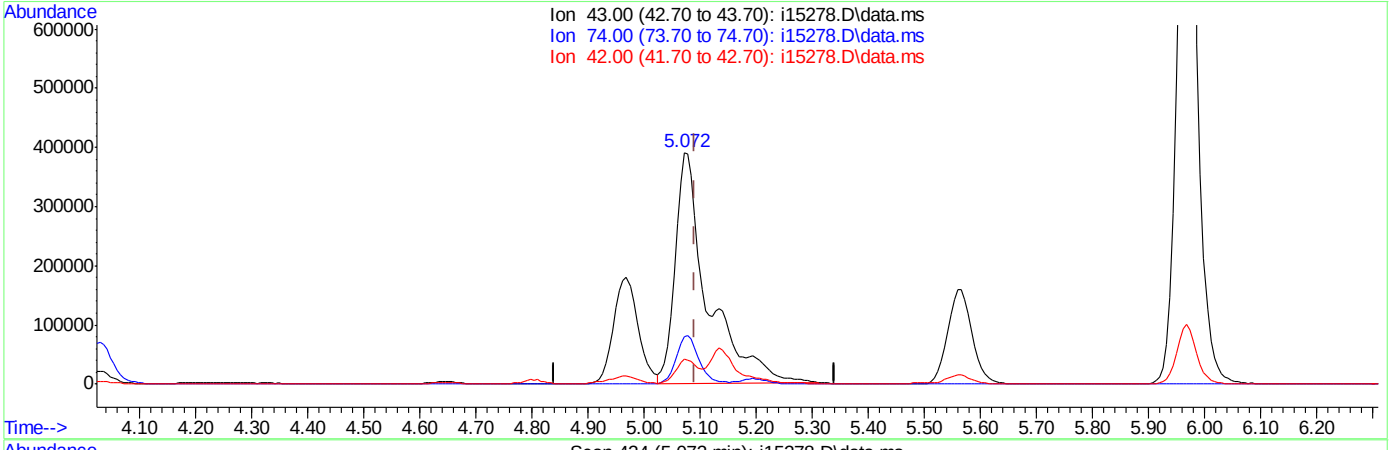
response 963132

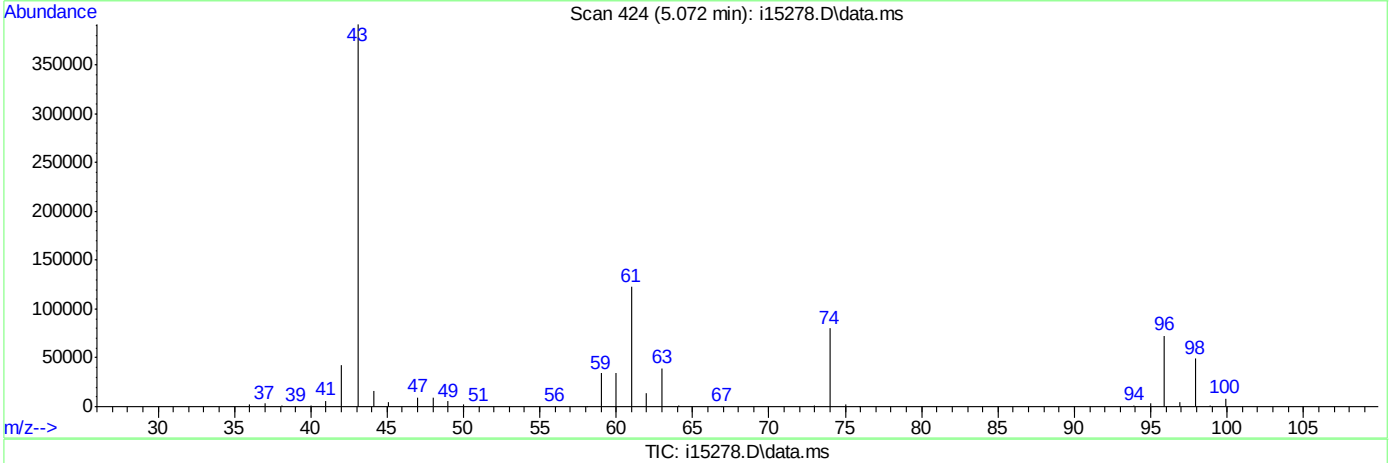
Ion	Exp%	Act%
101.00	100	100
103.00	43.30	63.69
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 08:51:02 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15278.D\data.ms

(17) Methyl acetate

5.072min (-0.018) 259.83ug/L

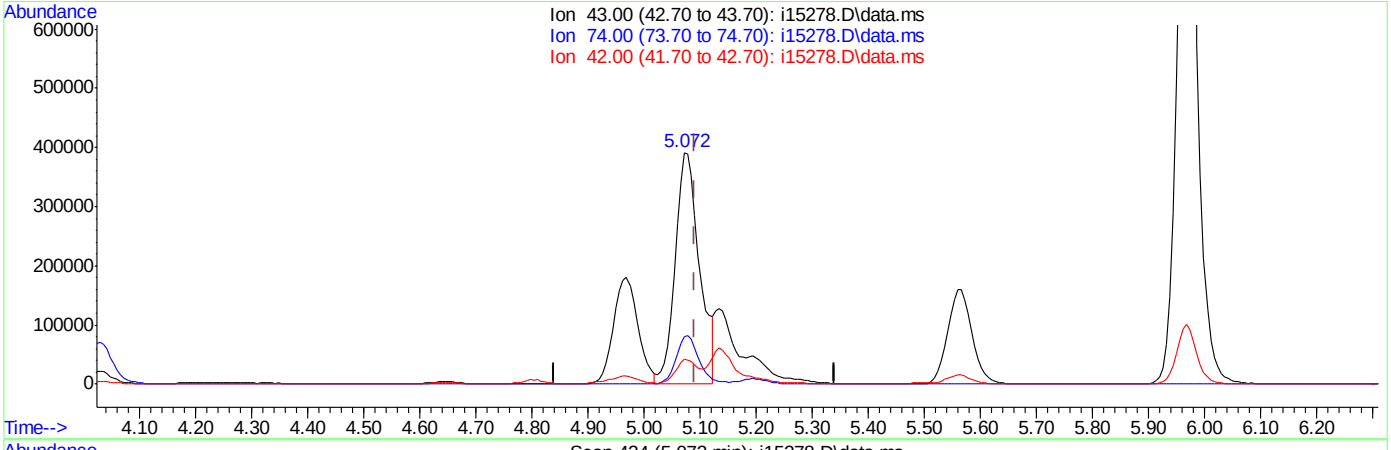
response 1577963

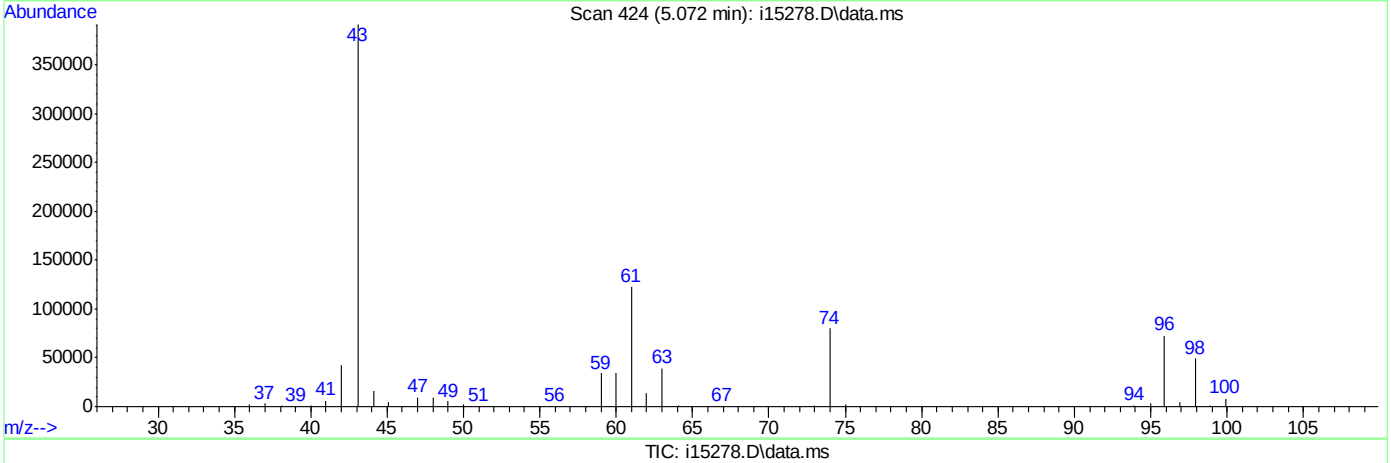
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	20.62
42.00	14.70	10.59
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 08:51:02 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15278.D\data.ms

(17) Methyl acetate

5.072min (-0.018) 195.10ug/L m

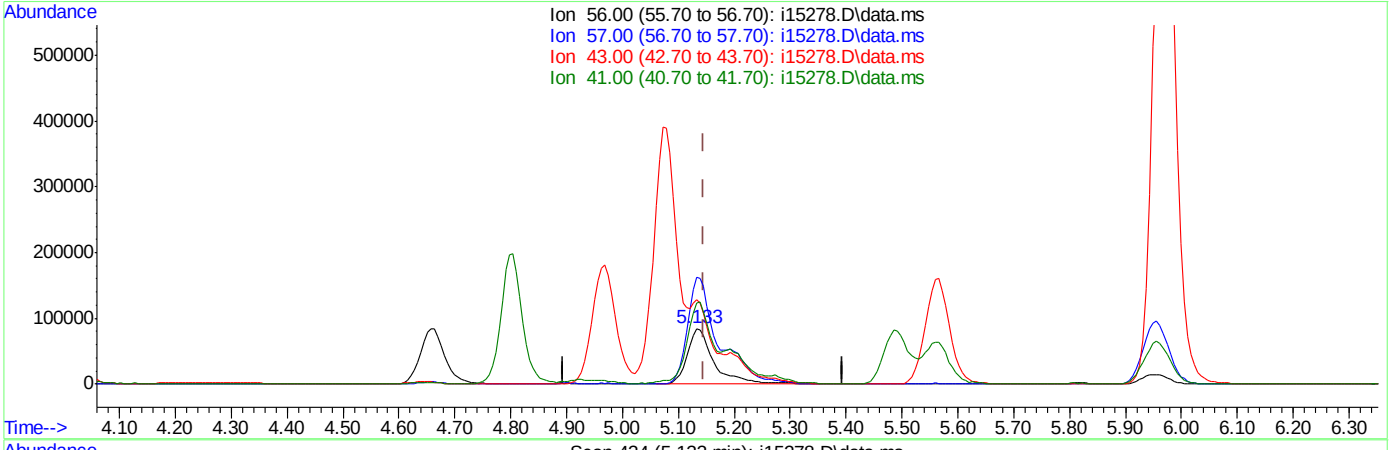
response 1170251

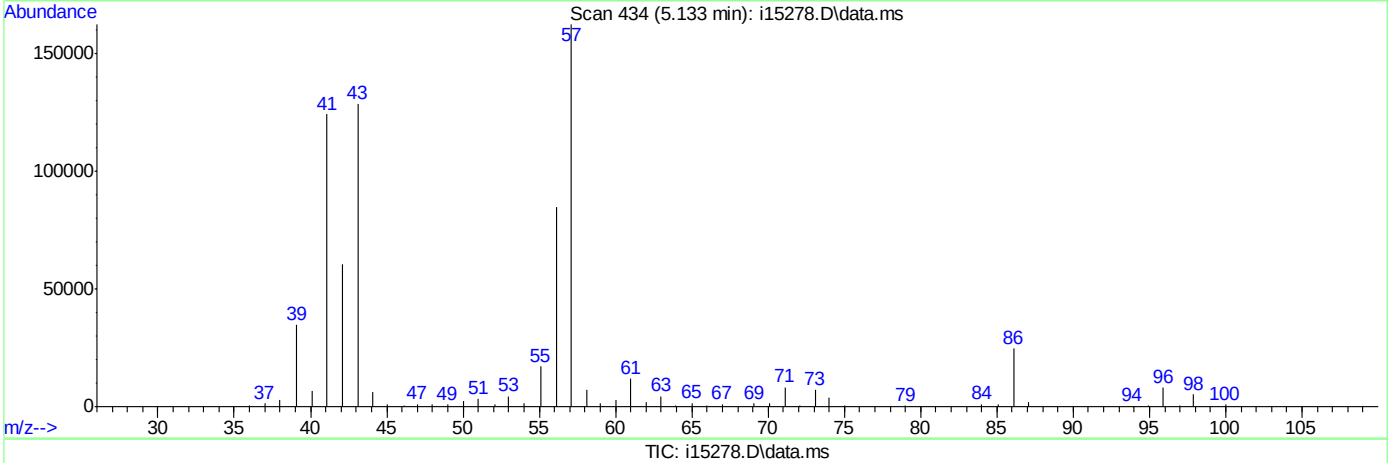
Ion	Exp%	Act%
43.00	100	100
74.00	26.50	20.47
42.00	14.70	10.77
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 08:51:02 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15278.D\data.ms

(19) Hexane

5.133min (-0.012) 49.64ug/L

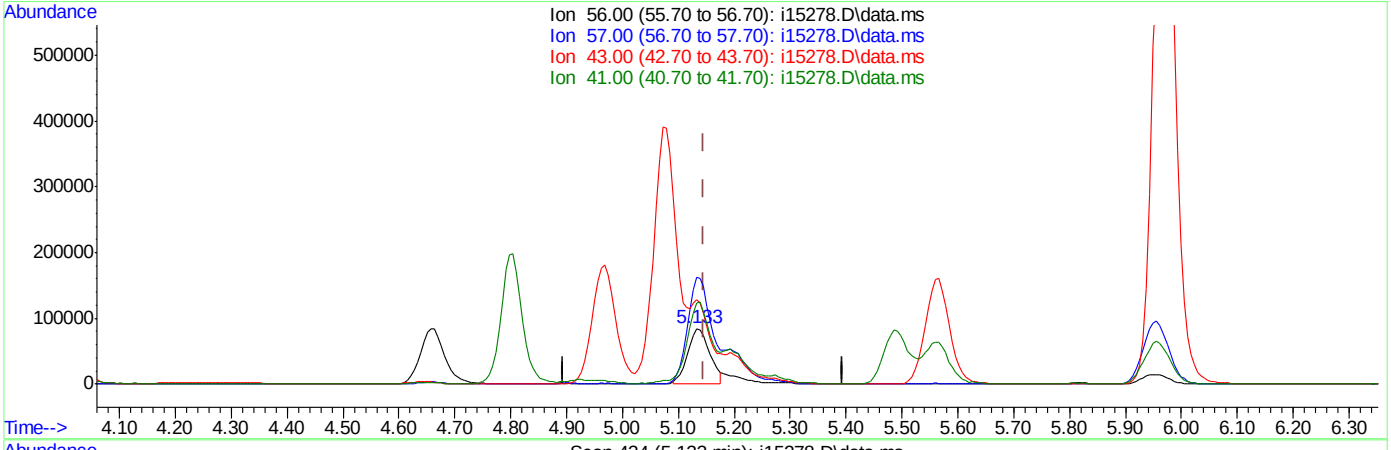
response 285449

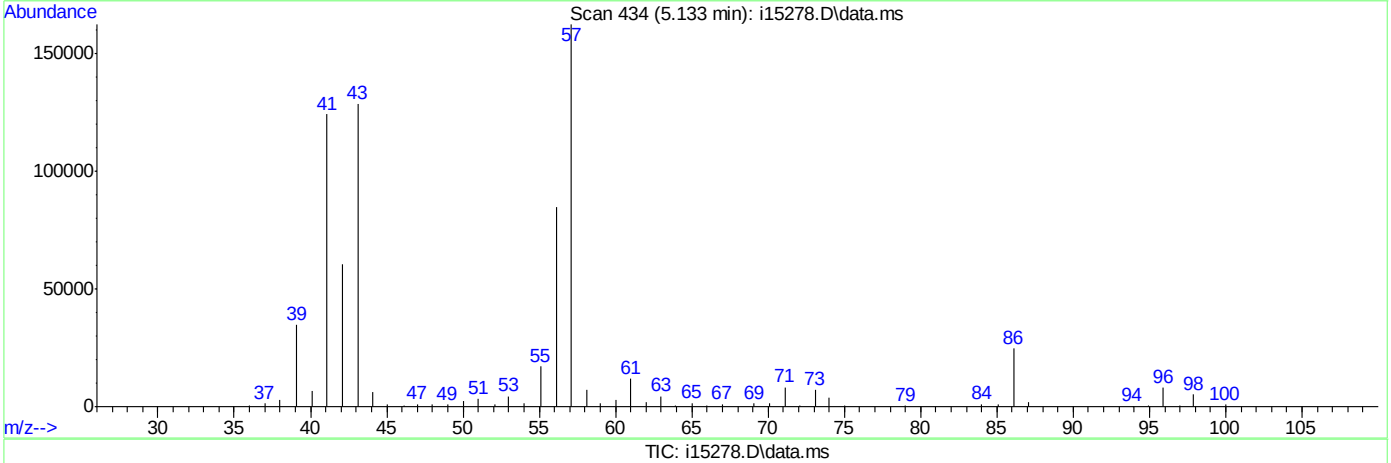
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	191.57#
43.00	185.00	150.43#
41.00	125.10	144.95

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 08:51:02 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15278.D\data.ms

(19) Hexane

5.133min (-0.012) 40.99ug/L m

response 235678

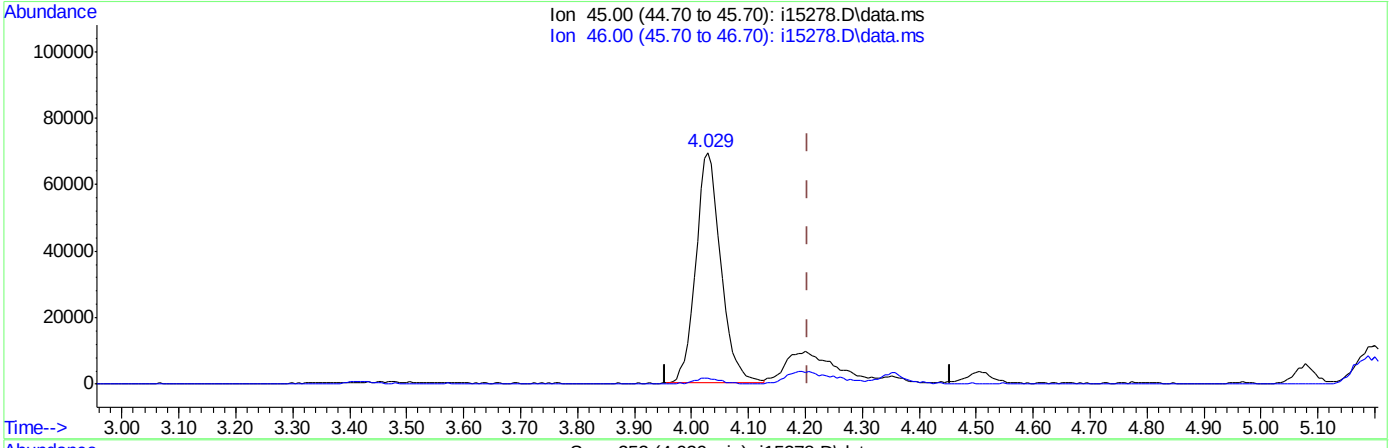
Ion	Exp%	Act%
56.00	100	100
57.00	157.00	191.57#
43.00	185.00	151.57#
41.00	125.10	146.40#

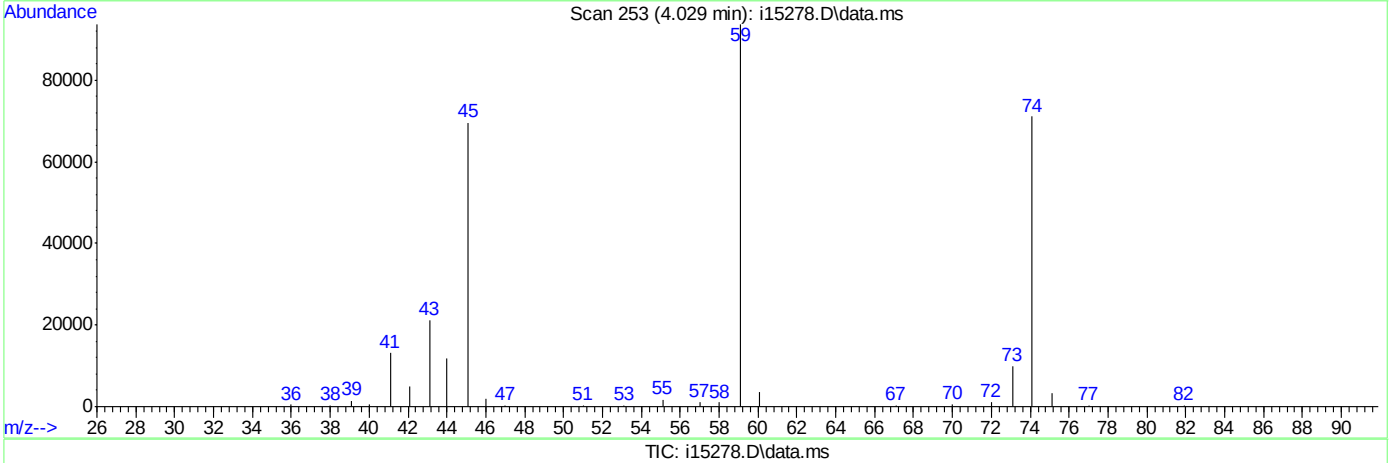
ACCUTEST LABORATORIES FA9297

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 08:51:02 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15278.D\data.ms

(104) Ethanol

4.029min (-0.177) 3169.84ug/L

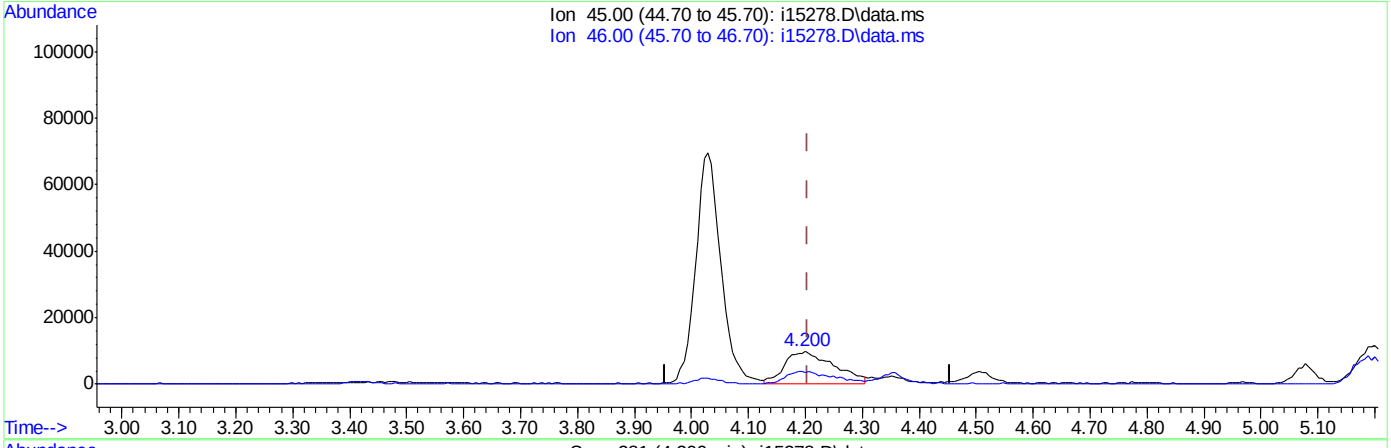
response 213170

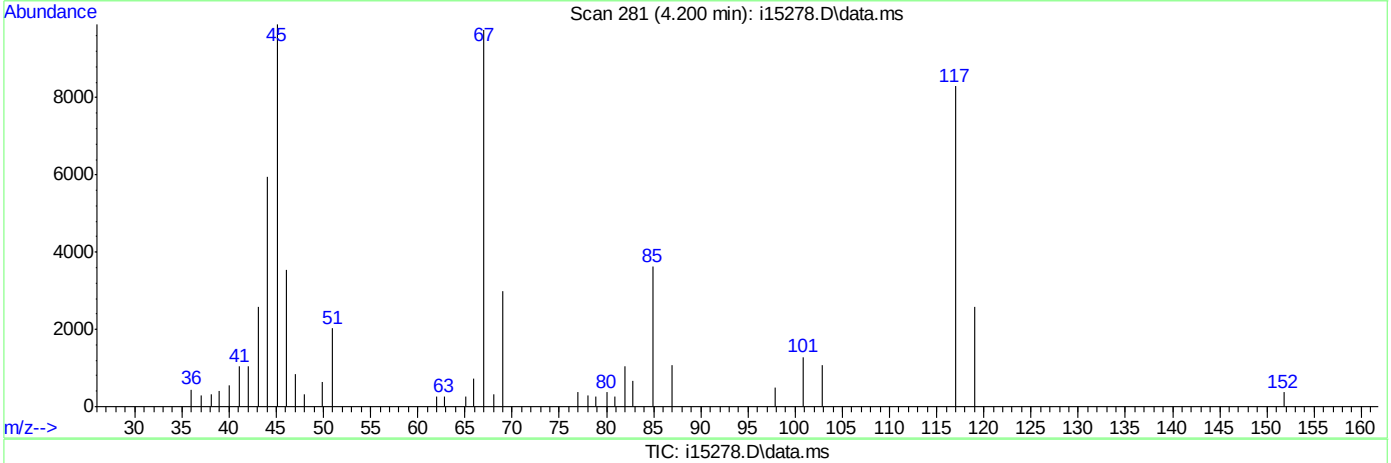
Ion	Exp%	Act%
45.00	100	100
46.00	0.00	2.76
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\2\DATA\110113\
Data File : i15278.D
Acq On : 1 Nov 2013 8:22 am
Operator : WILFREDO
Sample : cc195-4
Misc : ms25560,vi197,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 08:51:02 2013
Quant Method : C:\msdchem\2\METHODS\8260iapp.M
Quant Title : SW-846 Method 5035A/8260B
QLast Update : Thu Oct 31 10:58:37 2013
Response via : Initial Calibration





TIC: i15278.D\data.ms

(104) Ethanol

4.200min (-0.006) 883.04ug/L m

response 59384

Ion	Exp%	Act%
45.00	100	100
46.00	0.00	35.67#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations
APPROVED
(compounds with "m" flag)
Juan Garcia
11/01/13 15:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19855.D
Acq On : 31 Oct 2013 9:17 am
Operator : melissam
Sample : IC791-1
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 11:51:25 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 11:49:10 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1107357	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	841613	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	464868	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	118706	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	344254	45.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 91.10%			
46) 1,2-Dichloroethane-d4	7.214	65	543025	46.86	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 93.72%			
57) Toluene-d8	9.049	98	1071365	46.98	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 93.96%			
79) 4-Bromofluorobenzene	11.896	95	482876	47.96	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 95.92%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.562	85	8835	0.95	ug/L	76
3) Chloromethane	2.739	50	22508	1.25	ug/L	95
4) 1,3-Butadiene	2.885	54	12402	1.05	ug/L	84
5) Vinyl Chloride	2.873	62	11591	1.13	ug/L	86
6) Bromomethane	3.294	94	5598	1.03	ug/L	83
7) Chloroethane	3.452	64	6281	1.18	ug/L	85
8) Trichlorofluoromethane	3.659	101	16252	0.93	ug/L	86
9) Ethyl Ether	3.952	59	10113	1.19	ug/L	92
10) 1,2-Dichlorotrifluoroe...	4.202	67	10136	0.95	ug/L	94
11) 1,1-Dichloroethene	4.214	61	16672	1.01	ug/L	96
12) Freon 113	4.269	101	9272	0.95	ug/L	96
13) Carbon Disulfide	4.269	76	32336	1.14	ug/L	93
14) Iodomethane	4.385	142	14566	0.98	ug/L	98
15) Allyl chloride	4.726	41	19490	1.08	ug/L	93
16) Methylene Chloride	4.836	49	40622	1.70	ug/L	93
17) Acetone	4.879	58	6299	5.42	ug/L	100
18) Methyl acetate	5.001	74	5998	5.10	ug/L #	47
19) trans-1,2-Dichloroethene	5.013	61	17169	1.06	ug/L	93
20) Hexane	5.074	56	11908	1.21	ug/L #	87
21) Methyl Tert Butyl Ether	5.123	73	24204	1.02	ug/L	90
22) Acetonitrile	5.385	40	10006	12.35	ug/L	91
23) Di-isopropyl ether	5.488	45	51056	1.18	ug/L	92
24) Chloroprene	5.629	53	20707	1.01	ug/L	94
25) 1,1-Dichloroethane	5.653	63	19752	1.04	ug/L	100
26) Acrylonitrile	5.702	53	19944	5.34	ug/L	91
27) ETBE	5.872	59	37567	1.05	ug/L	96
28) Vinyl acetate	5.879	43	96320	4.83	ug/L	99
29) cis-1,2-Dichloroethene	6.214	96	8697	1.03	ug/L	96
30) 2,2-Dichloropropane	6.342	77	12846	0.90	ug/L	86
31) Bromochloromethane	6.421	128	4440	1.00	ug/L	87
32) Cyclohexane	6.446	56	19388	1.03	ug/L	87
33) Chloroform	6.476	83	17782	1.03	ug/L	91
34) Ethyl acetate	6.567	43	53891	5.10	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19855.D
Acq On : 31 Oct 2013 9:17 am
Operator : melissam
Sample : IC791-1
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 11:51:25 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 11:49:10 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
35) Tetrahydrofuran	6.647	42	3733	1.30 ug/L	91
37) Carbon Tetrachloride	6.653	117	13694	0.93 ug/L	83
38) 1,1,1-Trichloroethane	6.726	97	14756	0.91 ug/L	94
39) 2-Butanone	6.781	43	26118	4.76 ug/L	94
40) 1,1-Dichloropropene	6.830	75	10741	0.97 ug/L	95
41) tert-Butyl Formate	6.933	59	65670	8.71 ug/L #	77
42) Propionitrile	7.092	54	15473	10.43 ug/L	98
43) Methacrylonitrile	7.110	41	79407	10.49 ug/L	93
44) Benzene	7.086	78	29222	1.02 ug/L	99
45) TAME	7.159	73	21730	0.94 ug/L	90
47) 1,2-Dichloroethane	7.281	62	19032	1.09 ug/L	97
48) Trichloroethene	7.659	95	9585	1.11 ug/L	87
49) Methylcyclohexane	7.665	83	12840	0.97 ug/L	95
50) Dibromomethane	8.085	93	5470	0.97 ug/L	83
51) 1,2-Dichloropropane	8.183	63	10611	1.14 ug/L	91
52) Bromodichloromethane	8.226	83	12462	0.98 ug/L	99
53) Methyl methacrylate	8.348	41	9969	1.01 ug/L	95
54) 2-Chloroethyl vinyl ether	8.768	63	27601	5.35 ug/L	96
55) cis-1,3-Dichloropropene	8.860	75	12574	0.95 ug/L	94
58) Toluene	9.097	91	34927	1.08 ug/L	95
59) 2-Nitropropane	9.329	41	13247	4.66 ug/L	91
60) 4-Methyl-2-pentanone	9.451	43	50383	4.99 ug/L	95
61) trans-1,3-Dichloropropene	9.500	75	11011	0.92 ug/L	94
62) Tetrachloroethene	9.494	166	8505	0.91 ug/L	95
63) Ethyl methacrylate	9.622	69	8110	0.83 ug/L	94
64) 1,1,2-Trichloroethane	9.671	83	6142	1.03 ug/L	81
65) Dibromochloromethane	9.866	129	9063	0.95 ug/L	81
66) 1,3-Dichloropropane	9.957	76	12687	1.03 ug/L	94
67) 1,2-Dibromoethane	10.128	107	8062	1.06 ug/L	87
68) 2-hexanone	10.292	43	35904	4.38 ug/L	97
69) 1-Chlorohexane	10.591	91	10728	0.93 ug/L	91
70) Ethylbenzene	10.658	91	42999	1.10 ug/L	94
71) Chlorobenzene	10.652	112	21511	1.05 ug/L	93
72) 1,1,1,2-Tetrachloroethane	10.707	131	9139	1.03 ug/L	91
73) m,p-Xylene	10.804	91	58972	2.02 ug/L	96
74) o-Xylene	11.256	91	29003	1.00 ug/L	94
75) Styrene	11.310	104	19516	0.86 ug/L	94
76) Bromoform	11.359	173	5504	0.85 ug/L	92
77) Isopropylbenzene	11.579	105	32328	0.92 ug/L	100
80) cis-1,4-Dichloro-2-butene	11.944	53	1134	0.89 ug/L #	83
81) n-Propylbenzene	12.018	91	40907	1.01 ug/L	95
82) Bromobenzene	12.024	156	9694	1.01 ug/L	76
83) 1,1,2,2-Tetrachloroethane	12.085	83	9813	1.11 ug/L	87
84) 1,3,5-Trimethylbenzene	12.219	105	31250	0.98 ug/L	93
85) 2-Chlorotoluene	12.207	91	30420	1.03 ug/L	94
86) trans-1,4-Dichloro-2-B...	12.274	53	1514	0.78 ug/L #	80
87) 1,2,3-Trichloropropane	12.255	110	2718	1.01 ug/L	97
88) Cyclohexanone	12.322	55	1985	4.47 ug/L	87
89) 4-Chlorotoluene	12.383	91	27579	1.01 ug/L	99
90) a-Methyl Styrene	12.493	118	13009	0.77 ug/L	96

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19855.D
Acq On : 31 Oct 2013 9:17 am
Operator : melissam
Sample : IC791-1
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 11:51:25 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 11:49:10 2013
Response via : Initial Calibration

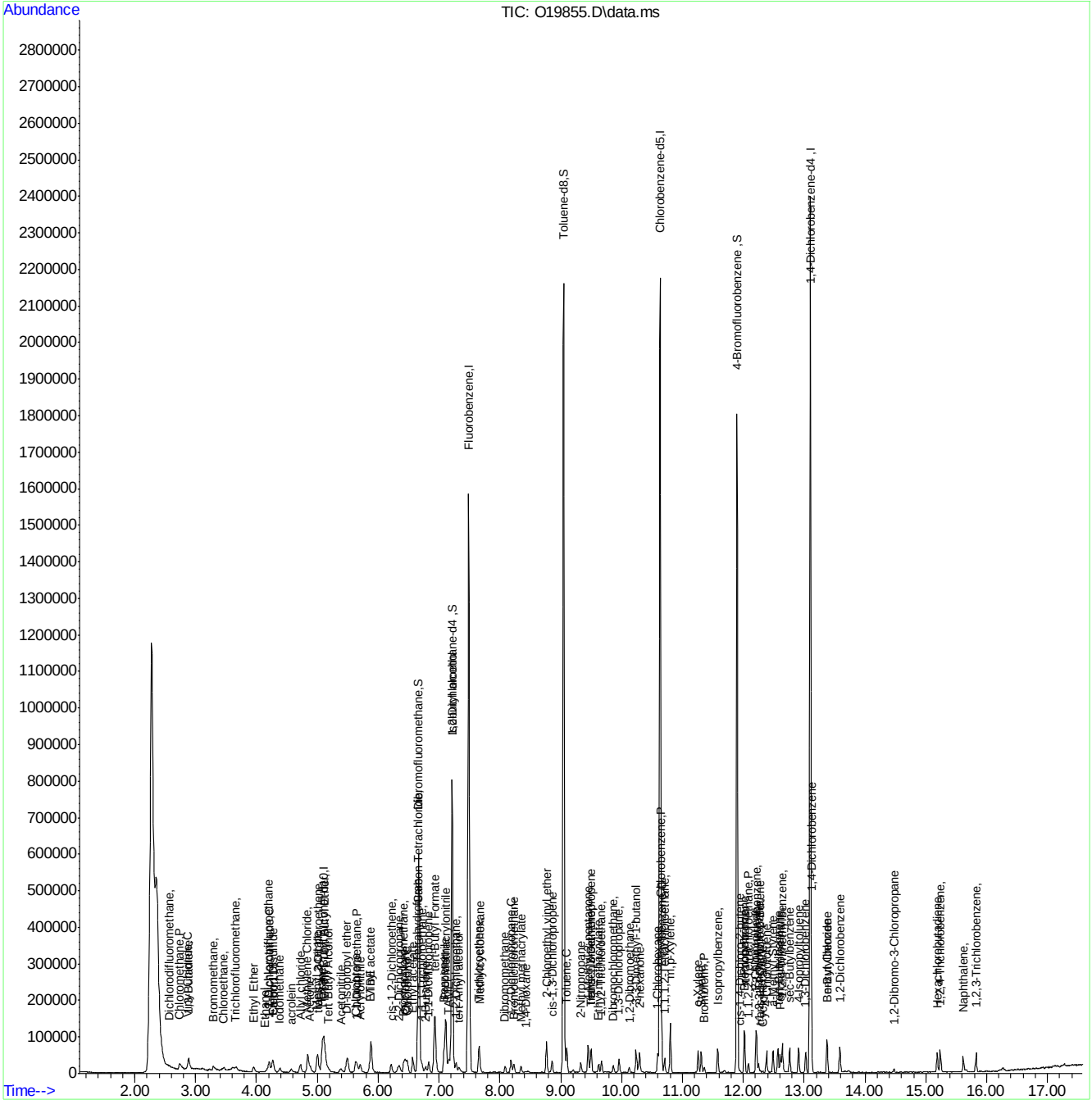
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
91)	tert-Butylbenzene	12.572	91	18034	0.93	ug/L	98
92)	1,2,4-Trimethylbenzene	12.646	105	33118	0.95	ug/L	97
93)	Pentachloroethane	12.609	167	6486	0.89	ug/L #	74
94)	sec-Butylbenzene	12.761	105	38140	0.98	ug/L	89
95)	4-Isopropyltoluene	12.908	119	29378	0.92	ug/L	94
96)	1,3-Dichlorobenzene	13.024	146	17414	1.00	ug/L	92
97)	1,4-Dichlorobenzene	13.121	146	19733	1.02	ug/L	84
98)	n-Butylbenzene	13.377	92	19625	0.96	ug/L #	80
99)	Benzyl Chloride	13.383	126	2336	0.75	ug/L #	63
100)	1,2-Dichlorobenzene	13.590	146	16945	0.99	ug/L	90
101)	1,2-Dibromo-3-Chloropr...	14.481	75	1883	1.09	ug/L #	83
102)	Hexachlorobutadiene	15.188	225	8126	0.85	ug/L	98
103)	1,2,4-Trichlorobenzene	15.243	180	13821	0.93	ug/L	95
104)	Naphthalene	15.614	128	24818	0.97	ug/L	99
105)	1,2,3-Trichlorobenzene	15.828	180	13794	1.02	ug/L	95
107)	Ethanol	4.135	45	4039m	28.34	ug/L	
108)	acrolein	4.568	56	8355	4.92	ug/L	99
109)	Tert Butyl Alcohol	5.177	59	11279	12.04	ug/L	77
110)	tert Amyl alcohol	7.323	59	7652	11.33	ug/L	90
111)	Isobutyl alcohol	7.214	42	5898	18.04	ug/L #	78
112)	1,4-Dioxane	8.421	88	1261	21.74	ug/L	96
113)	3,3-Dimethyl-1-butanol	10.237	57	26452	37.96	ug/L	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19855.D
Acq On : 31 Oct 2013 9:17 am
Operator : melissam
Sample : IC791-1
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 11:51:25 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 11:49:10 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Manual Integration Approval Summary

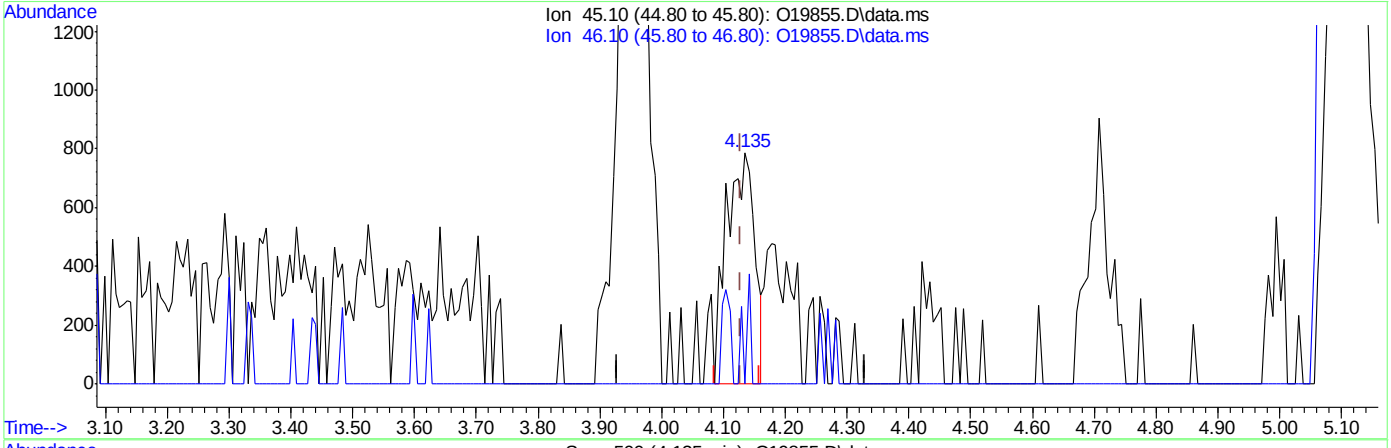
Sample Number:	VO791-IC791	**Method:**	SW846 8260B
Lab FileID:	O19855.D	**Analyst approved:**	11/01/13 12:01 Melissa Mangual
Injection Time:	10/31/13 09:17	**Supervisor approved:**	11/01/13 15:56 Juan Garcia

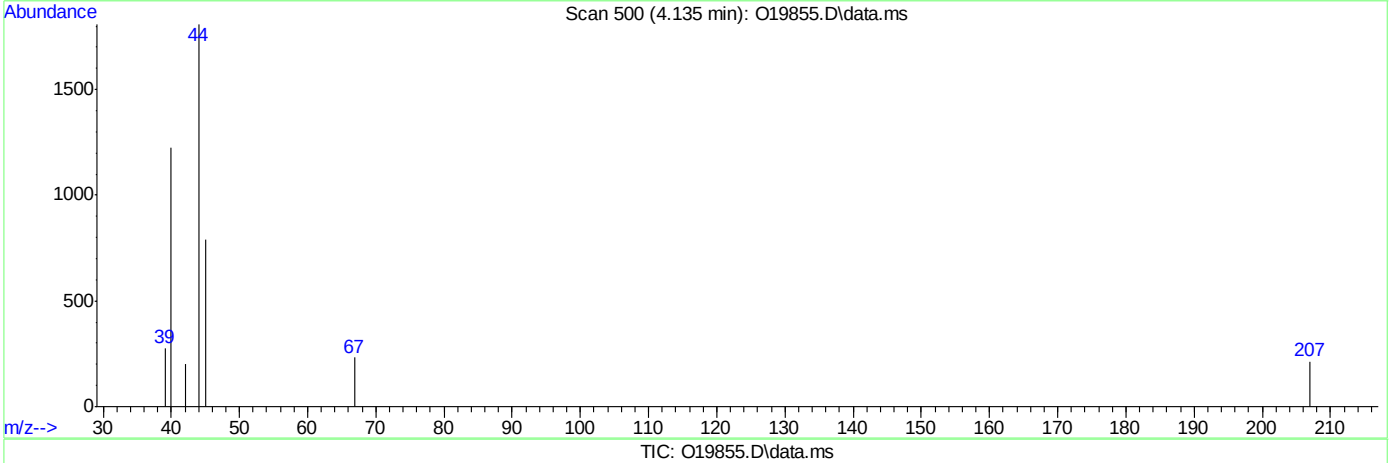
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		4.13	Split peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19855.D
Acq On : 31 Oct 2013 9:17 am
Operator : melissam
Sample : IC791-1
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 11:49:21 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 11:49:10 2013
Response via : Initial Calibration





TIC: O19855.D\data.ms

(107) Ethanol

4.135min (+0.006) 17.22ug/L

response 2454

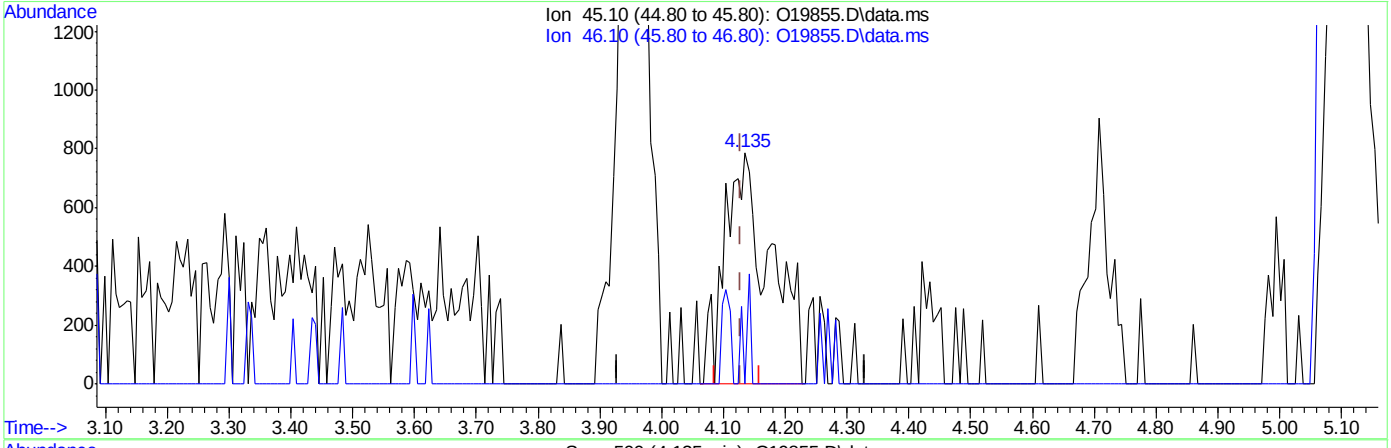
Ion	Exp%	Act%
45.10	100	100
46.10	35.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

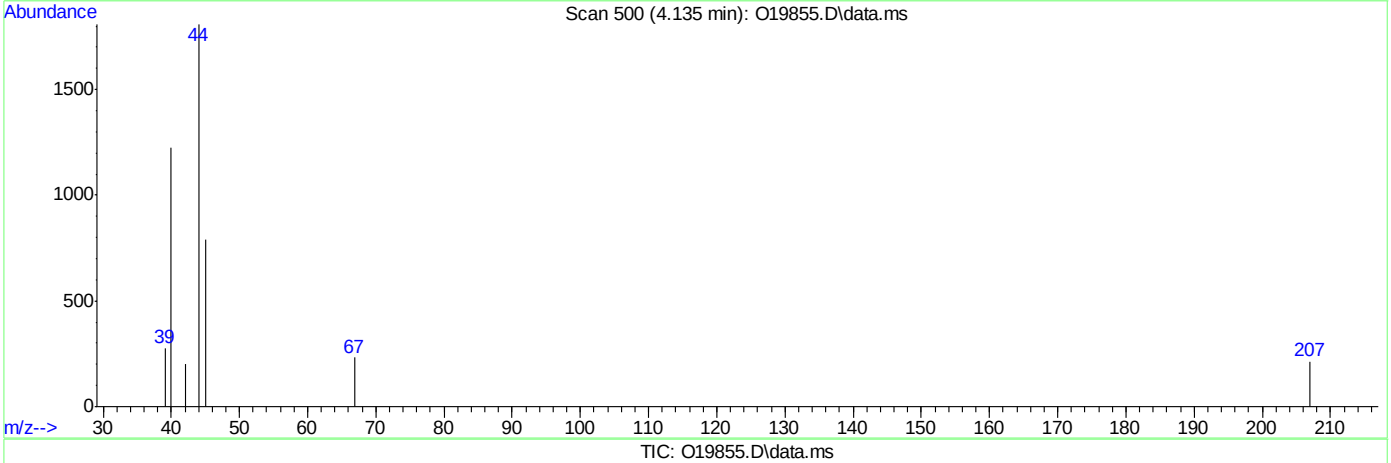
ACCUTEST LABORATORIES FA9297

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19855.D
Acq On : 31 Oct 2013 9:17 am
Operator : melissam
Sample : IC791-1
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 11:49:21 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 11:49:10 2013
Response via : Initial Calibration





TIC: O19855.D\data.ms

(107) Ethanol

4.135min (+0.006) 28.34ug/L m

response 4039

Ion	Exp%	Act%
45.10	100	100
46.10	35.90	0.00#
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19856.D
Acq On : 31 Oct 2013 9:47 am
Operator : melissam
Sample : IC791-2
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 11:52:00 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1099345	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	841672	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	463089	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	113491	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	540182	71.88	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 143.76%#			
46) 1,2-Dichloroethane-d4	7.214	65	846065	73.09	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 146.18%#			
57) Toluene-d8	9.049	98	1642935	72.60	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 145.20%#			
79) 4-Bromofluorobenzene	11.896	95	749444	75.82	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 151.64%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.556	85	40659	4.39	ug/L	81
3) Chloromethane	2.739	50	94893	5.46	ug/L	99
4) 1,3-Butadiene	2.885	54	58661	5.04	ug/L	90
5) Vinyl Chloride	2.879	62	49882	5.06	ug/L	100
6) Bromomethane	3.294	94	25913	4.84	ug/L	96
7) Chloroethane	3.452	64	26287	5.02	ug/L	88
8) Trichlorofluoromethane	3.617	101	74036	4.23	ug/L	92
9) Ethyl Ether	3.952	59	46912	5.76	ug/L	88
10) 1,2-Dichlorotrifluoroe...	4.184	67	50887	4.92	ug/L	93
11) 1,1-Dichloroethene	4.208	61	81570	5.13	ug/L	97
12) Freon 113	4.269	101	46596	4.88	ug/L	90
13) Carbon Disulfide	4.263	76	132159	4.80	ug/L	99
14) Iodomethane	4.379	142	69394	4.75	ug/L	99
15) Allyl chloride	4.720	41	89232	5.06	ug/L	91
16) Methylene Chloride	4.842	49	116800	5.04	ug/L	96
17) Acetone	4.879	58	19262	15.80	ug/L #	67
18) Methyl acetate	4.994	74	29089	25.04	ug/L #	87
19) trans-1,2-Dichloroethene	5.007	61	82475	5.30	ug/L	94
20) Hexane	5.074	56	45430m	5.04	ug/L	
21) Methyl Tert Butyl Ether	5.122	73	116562	5.04	ug/L	97
22) Acetonitrile	5.385	40	39400	49.70	ug/L	96
23) Di-isopropyl ether	5.488	45	232337	5.62	ug/L	99
24) Chloroprene	5.628	53	95632	4.74	ug/L	97
25) 1,1-Dichloroethane	5.653	63	96498	5.23	ug/L	98
26) Acrylonitrile	5.702	53	100678	27.93	ug/L	99
27) ETBE	5.872	59	182875	5.32	ug/L	97
28) Vinyl acetate	5.878	43	516942	26.41	ug/L	100
29) cis-1,2-Dichloroethene	6.214	96	41725	5.07	ug/L	98
30) 2,2-Dichloropropane	6.336	77	68164	4.92	ug/L	99
31) Bromochloromethane	6.421	128	21321	4.88	ug/L #	82
32) Cyclohexane	6.445	56	95468	5.39	ug/L	91
33) Chloroform	6.482	83	83474	4.92	ug/L	96
34) Ethyl acetate	6.567	43	275248	26.61	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19856.D
Acq On : 31 Oct 2013 9:47 am
Operator : melissam
Sample : IC791-2
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 11:52:00 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
35) Tetrahydrofuran	6.647	42	16683	6.07	ug/L		97
37) Carbon Tetrachloride	6.647	117	64563	4.47	ug/L		96
38) 1,1,1-Trichloroethane	6.720	97	77050	4.84	ug/L		93
39) 2-Butanone	6.775	43	115472	20.65	ug/L		100
40) 1,1-Dichloropropene	6.829	75	50705	4.70	ug/L		95
41) tert-Butyl Formate	6.933	59	364227	49.61	ug/L		90
42) Propionitrile	7.092	54	73153	50.64	ug/L		100
43) Methacrylonitrile	7.110	41	380729	50.81	ug/L		97
44) Benzene	7.086	78	143474	5.09	ug/L		97
45) TAME	7.165	73	110865	4.88	ug/L		92
47) 1,2-Dichloroethane	7.281	62	87506	5.05	ug/L		97
48) Trichloroethene	7.659	95	41394	4.87	ug/L		98
49) Methylcyclohexane	7.665	83	63030	4.90	ug/L		93
50) Dibromomethane	8.085	93	27189	4.84	ug/L		87
51) 1,2-Dichloropropane	8.183	63	47729	5.32	ug/L		91
52) Bromodichloromethane	8.226	83	59174	4.69	ug/L		100
53) Methyl methacrylate	8.347	41	47170	4.86	ug/L		95
54) 2-Chloroethyl vinyl ether	8.768	63	145129	29.43	ug/L		97
55) cis-1,3-Dichloropropene	8.860	75	64033	4.92	ug/L		89
58) Toluene	9.097	91	161532	5.09	ug/L		98
59) 2-Nitropropane	9.329	41	66744	23.63	ug/L		94
60) 4-Methyl-2-pentanone	9.451	43	261413	26.44	ug/L		98
61) trans-1,3-Dichloropropene	9.506	75	56767	4.77	ug/L		86
62) Tetrachloroethene	9.494	166	41159	4.38	ug/L		97
63) Ethyl methacrylate	9.622	69	40369	4.14	ug/L		97
64) 1,1,2-Trichloroethane	9.670	83	28451	4.81	ug/L		92
65) Dibromochloromethane	9.865	129	43821	4.62	ug/L		99
66) 1,3-Dichloropropane	9.957	76	59456	4.88	ug/L		97
67) 1,2-Dibromoethane	10.128	107	35779	4.75	ug/L		96
68) 2-hexanone	10.292	43	184710	22.15	ug/L		95
69) 1-Chlorohexane	10.597	91	56179	4.96	ug/L		97
70) Ethylbenzene	10.658	91	196929	5.09	ug/L		100
71) Chlorobenzene	10.652	112	102898	5.04	ug/L		99
72) 1,1,1,2-Tetrachloroethane	10.707	131	42838	4.84	ug/L		97
73) m,p-Xylene	10.804	91	296748	10.28	ug/L		99
74) o-Xylene	11.255	91	140174	4.90	ug/L		96
75) Styrene	11.310	104	104213	4.68	ug/L		97
76) Bromoform	11.359	173	27022	4.12	ug/L		95
77) Isopropylbenzene	11.579	105	170952	4.95	ug/L		96
80) cis-1,4-Dichloro-2-butene	11.944	53	4940	4.45	ug/L	#	86
81) n-Propylbenzene	12.018	91	208010	5.25	ug/L		99
82) Bromobenzene	12.024	156	49707	5.26	ug/L		97
83) 1,1,2,2-Tetrachloroethane	12.085	83	46255	5.34	ug/L		99
84) 1,3,5-Trimethylbenzene	12.219	105	167484	5.40	ug/L		99
85) 2-Chlorotoluene	12.206	91	155319	5.39	ug/L		96
86) trans-1,4-Dichloro-2-B...	12.274	53	7329	4.34	ug/L		91
87) 1,2,3-Trichloropropane	12.249	110	14183	5.34	ug/L		95
88) Cyclohexanone	12.316	55	11046	25.67	ug/L		99
89) 4-Chlorotoluene	12.383	91	138730	5.20	ug/L		99
90) a-Methyl Styrene	12.493	118	74764	4.50	ug/L		93

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19856.D
Acq On : 31 Oct 2013 9:47 am
Operator : melissam
Sample : IC791-2
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 11:52:00 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) tert-Butylbenzene	12.572	91	95203	5.02 ug/L	98
92) 1,2,4-Trimethylbenzene	12.645	105	172239	5.04 ug/L	98
93) Pentachloroethane	12.615	167	30965	4.26 ug/L	92
94) sec-Butylbenzene	12.761	105	194889	5.15 ug/L	96
95) 4-Isopropyltoluene	12.908	119	159571	5.12 ug/L	99
96) 1,3-Dichlorobenzene	13.030	146	86507	5.04 ug/L	99
97) 1,4-Dichlorobenzene	13.121	146	92915	4.85 ug/L	97
98) n-Butylbenzene	13.377	92	99892	5.02 ug/L	97
99) Benzyl Chloride	13.383	126	14702	4.79 ug/L #	72
100) 1,2-Dichlorobenzene	13.590	146	85505	5.04 ug/L	96
101) 1,2-Dibromo-3-Chloropr...	14.480	75	8272	4.82 ug/L	96
102) Hexachlorobutadiene	15.194	225	36304	3.73 ug/L	96
103) 1,2,4-Trichlorobenzene	15.242	180	65666	4.39 ug/L	95
104) Naphthalene	15.620	128	126730	5.09 ug/L	99
105) 1,2,3-Trichlorobenzene	15.828	180	62593	4.59 ug/L	96
107) Ethanol	4.129	45	9563m	71.04 ug/L	
108) acrolein	4.568	56	41321	25.76 ug/L	85
109) Tert Butyl Alcohol	5.171	59	47998	54.26 ug/L	94
110) tert Amyl alcohol	7.323	59	34889	54.69 ug/L	93
111) Isobutyl alcohol	7.214	42	25447	81.89 ug/L	92
112) 1,4-Dioxane	8.415	88	6717	121.52 ug/L	93
113) 3,3-Dimethyl-1-butanol	10.237	57	146314	220.70 ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

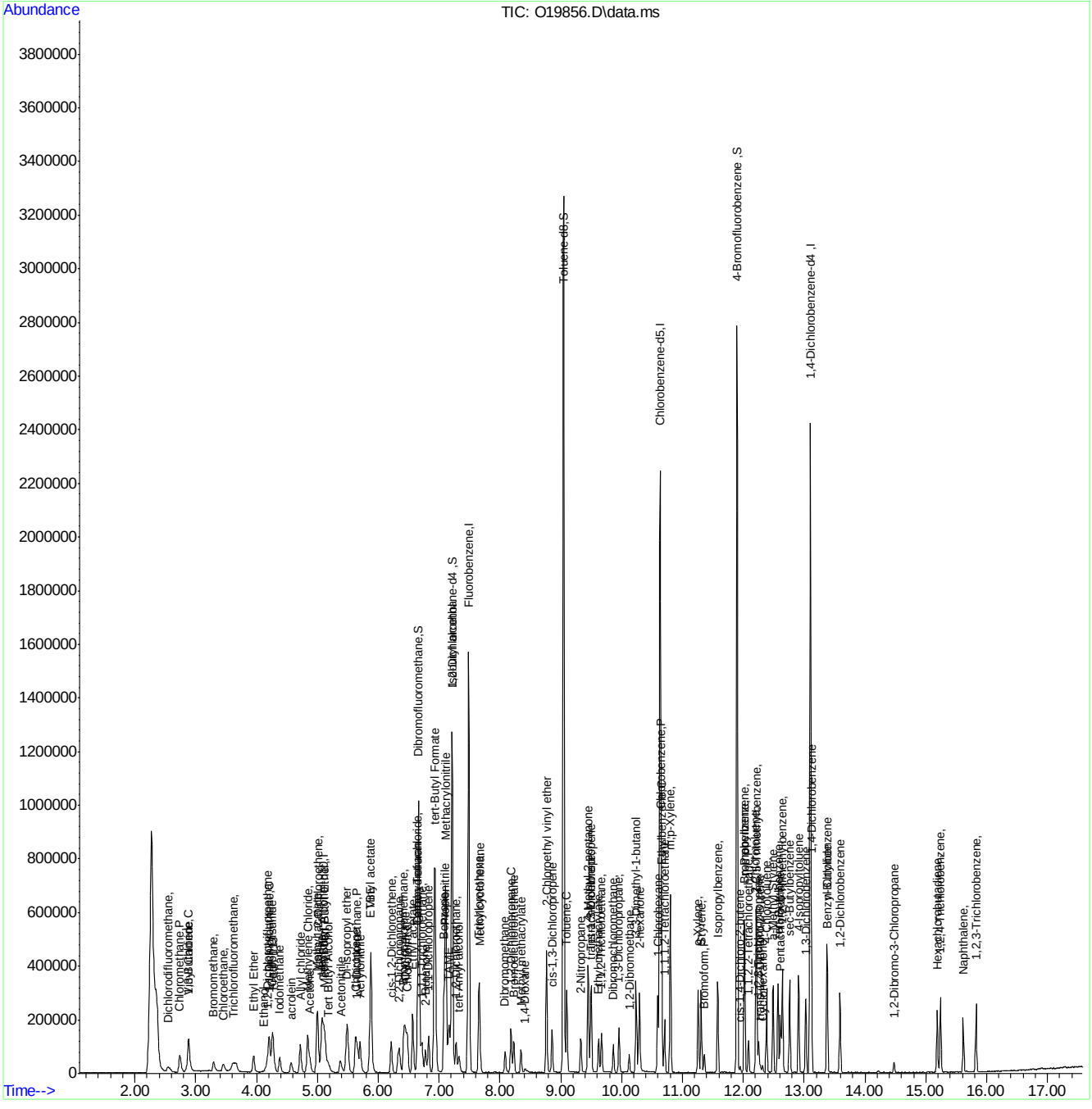
7.6.12

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19856.D
Acq On : 31 Oct 2013 9:47 am
Operator : melissam
Sample : IC791-2
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 11:52:00 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration



Manual Integration Approval Summary

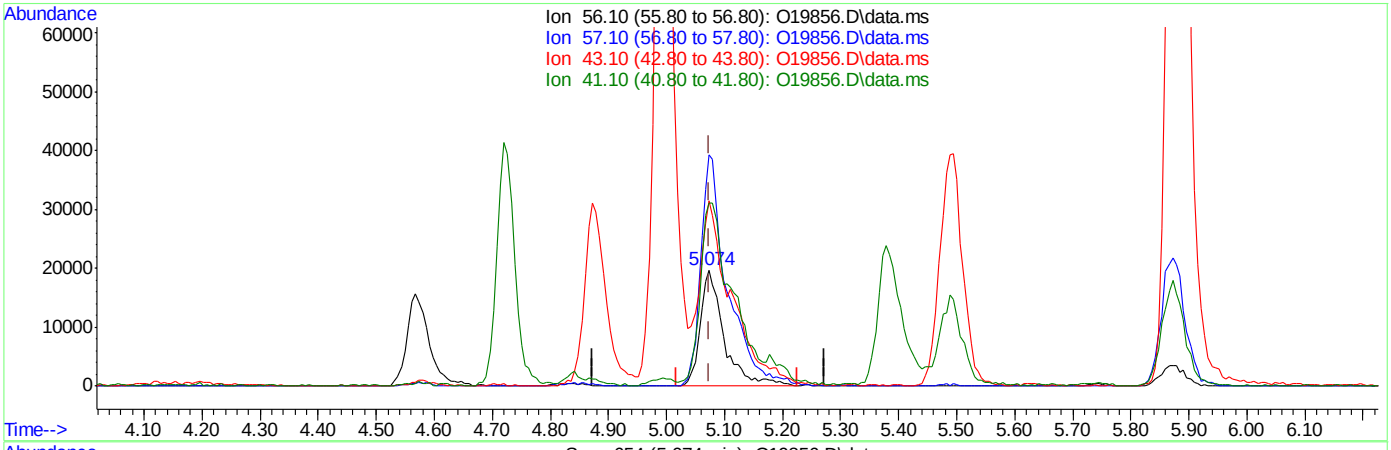
Sample Number:	VO791-IC791	**Method:**	SW846 8260B
Lab FileID:	O19856.D	**Analyst approved:**	11/01/13 12:01 Melissa Mangual
Injection Time:	10/31/13 09:47	**Supervisor approved:**	11/01/13 15:56 Juan Garcia

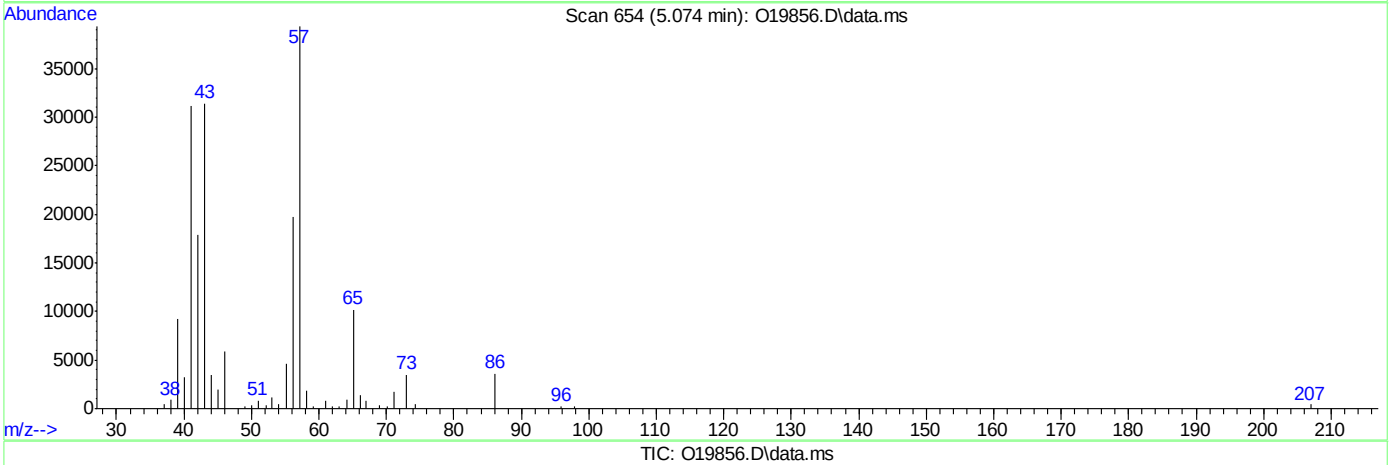
Parameter	CAS	Sig#	R.T. (min.)	Reason
Ethyl Alcohol	64-17-5		4.13	Split peak
Hexane	110-54-3		5.07	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19856.D
Acq On : 31 Oct 2013 9:47 am
Operator : melissam
Sample : IC791-2
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 11:48:11 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19856.D\data.ms

(20) Hexane

5.074min (-0.000) 6.24ug/L

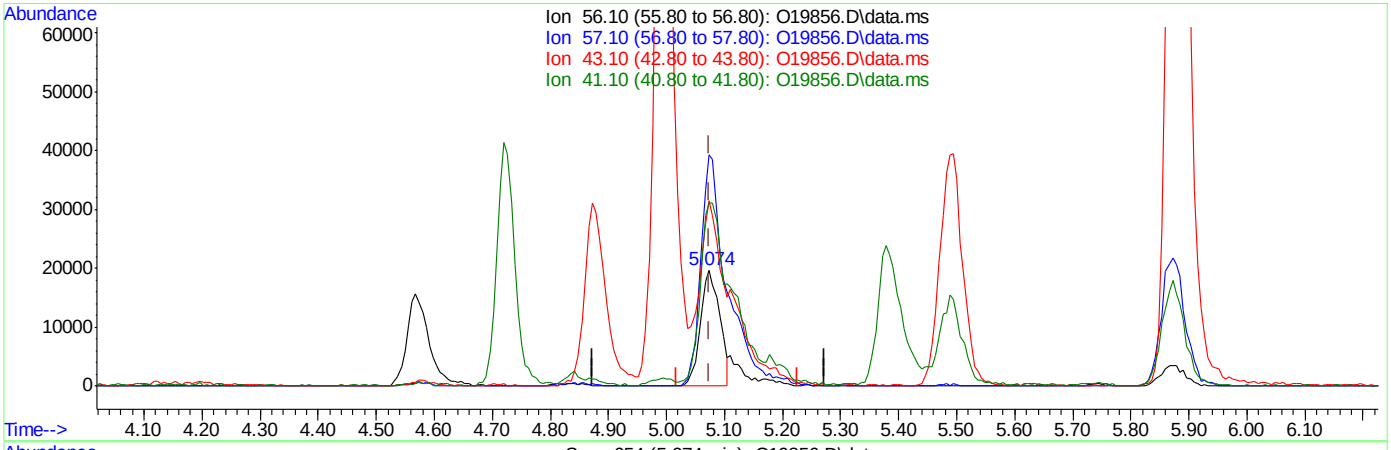
response 56240

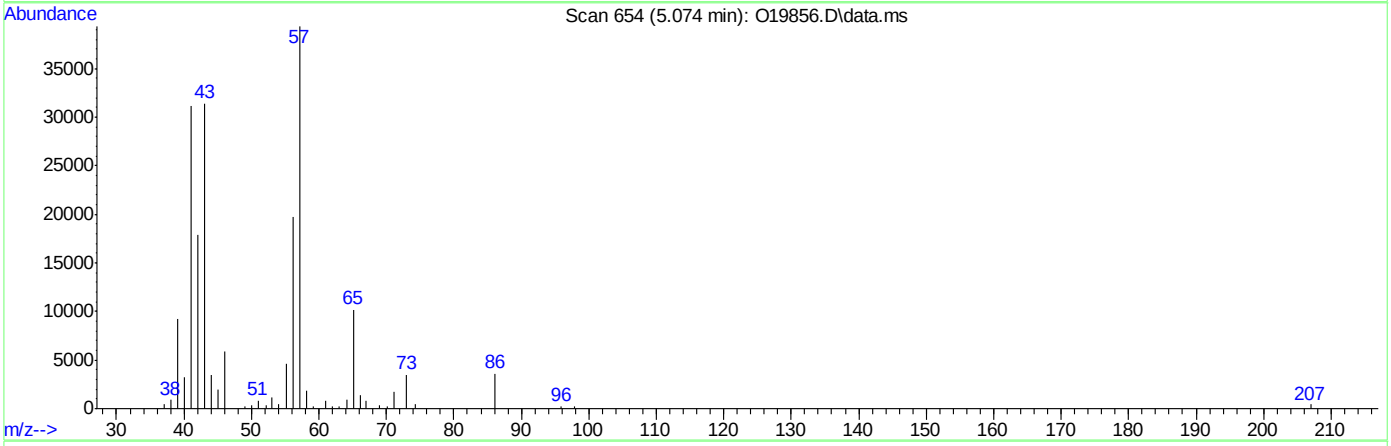
Ion	Exp%	Act%
56.10	100	100
57.10	189.30	199.07
43.10	154.20	156.27
41.10	180.70	154.27#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19856.D
Acq On : 31 Oct 2013 9:47 am
Operator : melissam
Sample : IC791-2
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 11:48:11 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19856.D\data.ms

(20) Hexane

5.074min (-0.000) 5.04ug/L m

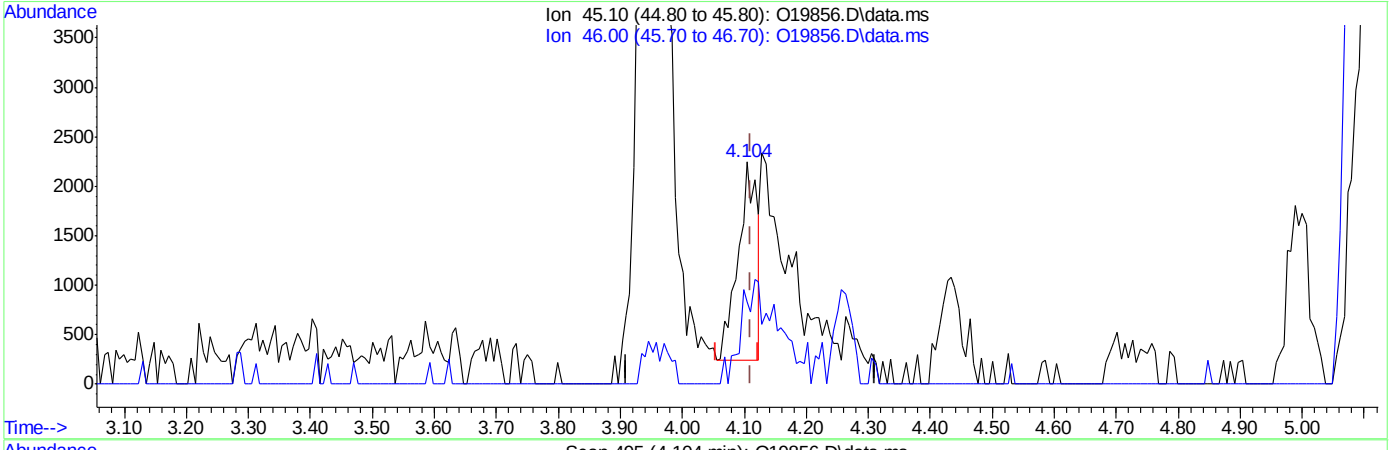
response 45430

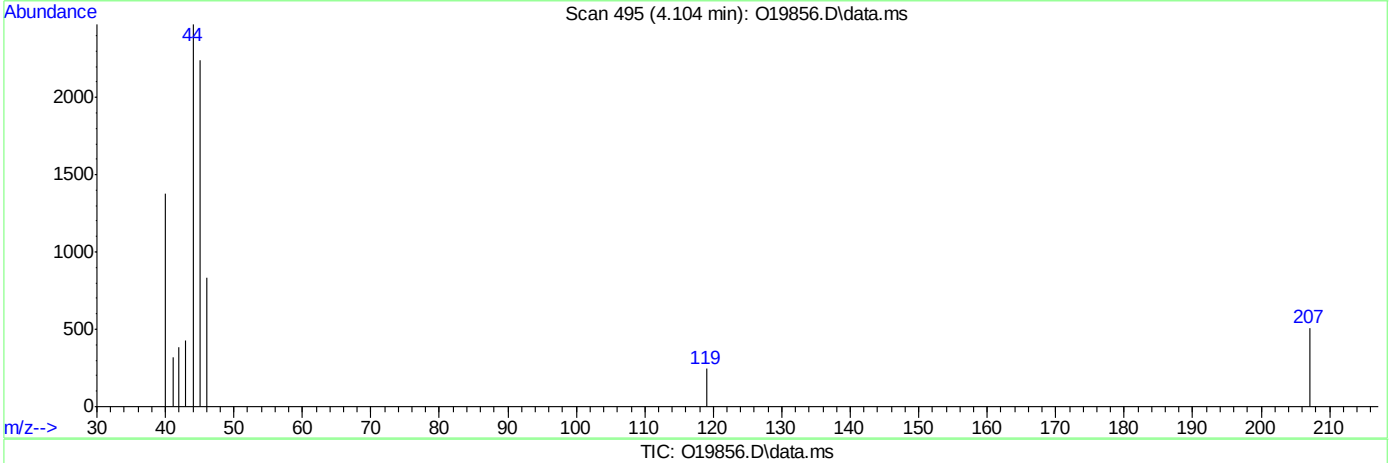
Ion	Exp%	Act%
56.10	100	100
57.10	189.30	199.07
43.10	154.20	158.92
41.10	180.70	157.67#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19856.D
Acq On : 31 Oct 2013 9:47 am
Operator : melissam
Sample : IC791-2
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 11:48:11 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19856.D\data.ms

(107) Ethanol

4.104min (-0.007) 31.76ug/L

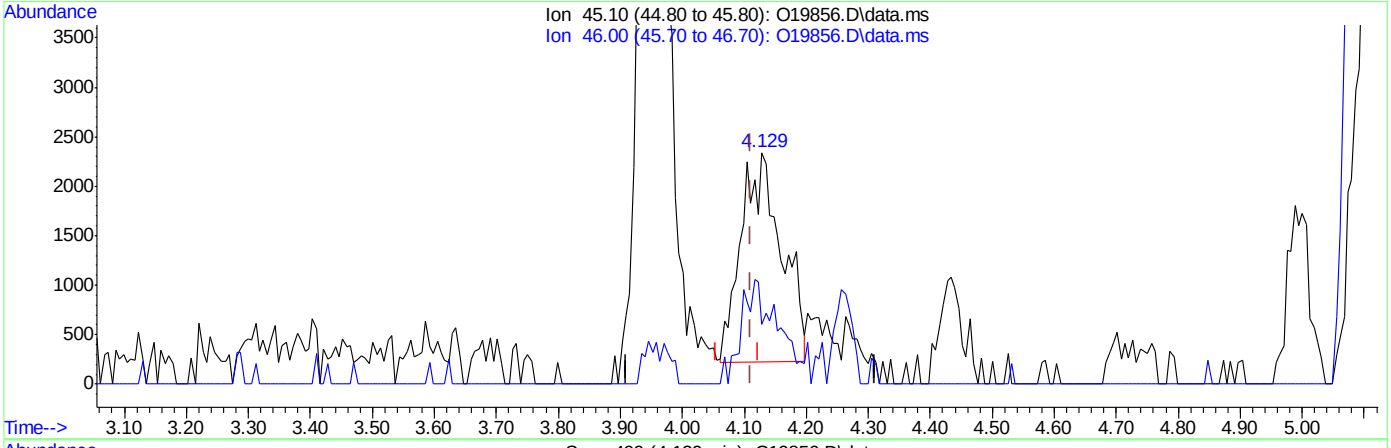
response 4275

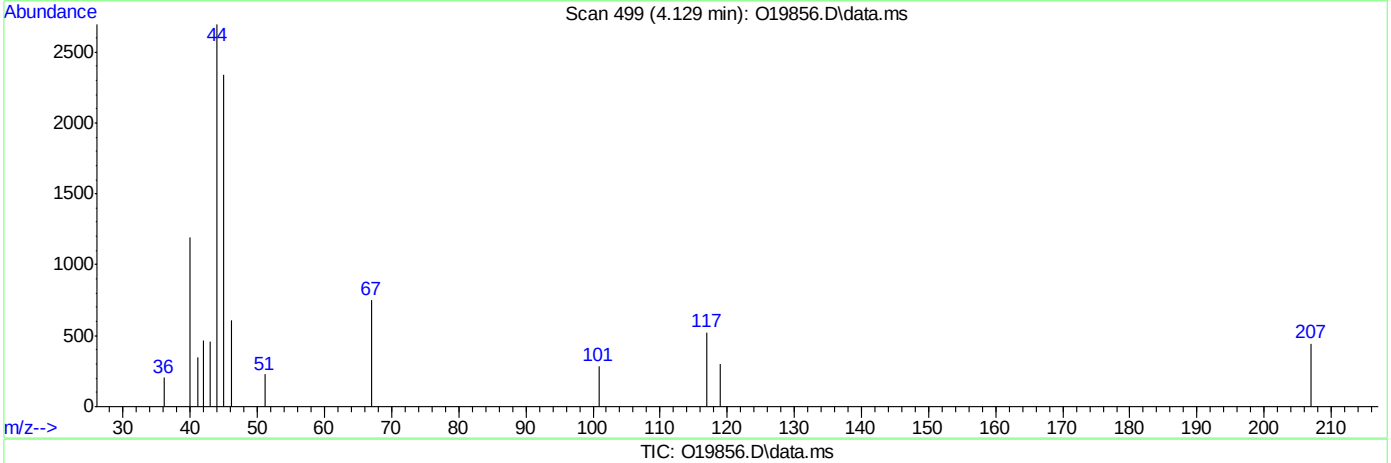
Ion	Exp%	Act%
45.10	100	100
46.00	40.10	41.56
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19856.D
Acq On : 31 Oct 2013 9:47 am
Operator : melissam
Sample : IC791-2
Misc : MS25527,VO791,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 31 11:48:11 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19856.D\data.ms

(107) Ethanol

4.129min (+0.018) 71.04ug/L m

response 9563

Ion	Exp%	Act%
45.10	100	100
46.00	40.10	25.84
0.00	0.00	0.00
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19857.D
Acq On : 31 Oct 2013 10:08 am
Operator : melissam
Sample : IC791-3
Misc : MS25527,VO791,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 11:52:12 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.482	96	1144256	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	871882	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	486156	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.098	65	116319	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	633919	81.04	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 162.08%#			
46) 1,2-Dichloroethane-d4	7.214	65	979606	81.30	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 162.60%#			
57) Toluene-d8	9.049	98	1927825	82.24	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 164.48%#			
79) 4-Bromofluorobenzene	11.896	95	908407	87.54	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 175.08%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.544	85	199549	20.71	ug/L	97
3) Chloromethane	2.739	50	440156	24.35	ug/L	99
4) 1,3-Butadiene	2.885	54	276250	22.80	ug/L	91
5) Vinyl Chloride	2.879	62	241614	23.53	ug/L	99
6) Bromomethane	3.294	94	113061	20.28	ug/L	97
7) Chloroethane	3.452	64	111857	20.52	ug/L	97
8) Trichlorofluoromethane	3.653	101	353615	19.40	ug/L	98
9) Ethyl Ether	3.946	59	207808	24.52	ug/L	91
10) 1,2-Dichlorotrifluoroe...	4.184	67	250957	23.29	ug/L	90
11) 1,1-Dichloroethene	4.202	61	405746	24.52	ug/L	98
12) Freon 113	4.269	101	227305	22.86	ug/L	97
13) Carbon Disulfide	4.257	76	656901	22.91	ug/L	99
14) Iodomethane	4.379	142	333630	21.94	ug/L	98
15) Allyl chloride	4.720	41	440343	24.00	ug/L	93
16) Methylene Chloride	4.836	49	488830	20.28	ug/L	93
17) Acetone	4.879	58	82047	64.66	ug/L #	62
18) Methyl acetate	4.995	74	132012	109.17	ug/L #	84
19) trans-1,2-Dichloroethene	5.007	61	388671	24.01	ug/L	99
20) Hexane	5.068	56	232442m	24.78	ug/L	
21) Methyl Tert Butyl Ether	5.116	73	540691	22.44	ug/L	96
22) Acetonitrile	5.379	40	162910	197.43	ug/L	96
23) Di-isopropyl ether	5.488	45	1092667	25.40	ug/L	97
24) Chloroprene	5.622	53	499797	23.81	ug/L	97
25) 1,1-Dichloroethane	5.653	63	450287	23.43	ug/L	98
26) Acrylonitrile	5.702	53	462045	123.13	ug/L	97
27) ETBE	5.872	59	885697	24.77	ug/L	99
28) Vinyl acetate	5.879	43	2485328	121.97	ug/L	100
29) cis-1,2-Dichloroethene	6.214	96	192752	22.52	ug/L	95
30) 2,2-Dichloropropane	6.336	77	327063	22.69	ug/L	99
31) Bromochloromethane	6.421	128	101305	22.28	ug/L #	89
32) Cyclohexane	6.445	56	500125	27.12	ug/L	90
33) Chloroform	6.476	83	379944	21.52	ug/L	98
34) Ethyl acetate	6.567	43	1264729	117.46	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19857.D
Acq On : 31 Oct 2013 10:08 am
Operator : melissam
Sample : IC791-3
Misc : MS25527,VO791,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 11:52:12 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) Tetrahydrofuran	6.647	42	68755	24.02	ug/L	85
37) Carbon Tetrachloride	6.647	117	325757	21.69	ug/L	99
38) 1,1,1-Trichloroethane	6.720	97	367006	22.16	ug/L	98
39) 2-Butanone	6.775	43	525190	90.24	ug/L	96
40) 1,1-Dichloropropene	6.830	75	252936	22.51	ug/L	96
41) tert-Butyl Formate	6.927	59	1878783	245.88	ug/L	95
42) Propionitrile	7.086	54	325885	216.76	ug/L	93
43) Methacrylonitrile	7.110	41	1690768	216.78	ug/L	97
44) Benzene	7.080	78	658802	22.44	ug/L	99
45) TAME	7.165	73	531605	22.47	ug/L	98
47) 1,2-Dichloroethane	7.281	62	399394	22.13	ug/L	99
48) Trichloroethene	7.653	95	195876	22.15	ug/L	98
49) Methylcyclohexane	7.665	83	325829	24.34	ug/L	94
50) Dibromomethane	8.085	93	123867	21.18	ug/L	97
51) 1,2-Dichloropropane	8.183	63	230610	24.67	ug/L	92
52) Bromodichloromethane	8.226	83	284522	21.66	ug/L	98
53) Methyl methacrylate	8.348	41	218209	21.60	ug/L	98
54) 2-Chloroethyl vinyl ether	8.768	63	686133	133.69	ug/L	95
55) cis-1,3-Dichloropropene	8.854	75	304242	22.45	ug/L	95
58) Toluene	9.097	91	741554	22.56	ug/L	100
59) 2-Nitropropane	9.329	41	323381	110.51	ug/L	97
60) 4-Methyl-2-pentanone	9.451	43	1208103	117.96	ug/L	96
61) trans-1,3-Dichloropropene	9.500	75	278620	22.60	ug/L	88
62) Tetrachloroethene	9.494	166	195736	20.13	ug/L	93
63) Ethyl methacrylate	9.622	69	204596	20.23	ug/L	95
64) 1,1,2-Trichloroethane	9.670	83	135132	22.05	ug/L	97
65) Dibromochloromethane	9.866	129	206356	21.02	ug/L	96
66) 1,3-Dichloropropane	9.957	76	274069	21.74	ug/L	97
67) 1,2-Dibromoethane	10.128	107	169809	21.77	ug/L	100
68) 2-hexanone	10.292	43	876657	101.47	ug/L	98
69) 1-Chlorohexane	10.591	91	282846	24.11	ug/L	93
70) Ethylbenzene	10.658	91	907216	22.63	ug/L	98
71) Chlorobenzene	10.652	112	474812	22.47	ug/L	96
72) 1,1,1,2-Tetrachloroethane	10.707	131	200161	21.85	ug/L	98
73) m,p-Xylene	10.804	91	1394079	46.61	ug/L	97
74) o-Xylene	11.256	91	701259	23.65	ug/L	99
75) Styrene	11.310	104	549640	23.81	ug/L	97
76) Bromoform	11.359	173	129408	19.02	ug/L	95
77) Isopropylbenzene	11.579	105	851544	23.82	ug/L	99
80) cis-1,4-Dichloro-2-butene	11.951	53	33581	28.79	ug/L	99
81) n-Propylbenzene	12.018	91	1035056	24.87	ug/L	98
82) Bromobenzene	12.024	156	225008	22.69	ug/L	96
83) 1,1,2,2-Tetrachloroethane	12.085	83	210617	23.16	ug/L	95
84) 1,3,5-Trimethylbenzene	12.219	105	824327	25.31	ug/L	100
85) 2-Chlorotoluene	12.207	91	737717	24.41	ug/L	97
86) trans-1,4-Dichloro-2-B...	12.280	53	47964	27.08	ug/L	95
87) 1,2,3-Trichloropropane	12.249	110	62171	22.29	ug/L	97
88) Cyclohexanone	12.316	55	55036	121.85	ug/L	95
89) 4-Chlorotoluene	12.383	91	667064	23.81	ug/L	99
90) a-Methyl Styrene	12.493	118	406676	23.34	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19857.D
Acq On : 31 Oct 2013 10:08 am
Operator : melissam
Sample : IC791-3
Misc : MS25527,VO791,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 11:52:12 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	tert-Butylbenzene	12.572	91	474755	23.84	ug/L		98
92)	1,2,4-Trimethylbenzene	12.645	105	844575	23.54	ug/L		99
93)	Pentachloroethane	12.615	167	154595	20.26	ug/L		95
94)	sec-Butylbenzene	12.761	105	974978	24.54	ug/L		100
95)	4-Isopropyltoluene	12.908	119	824052	25.18	ug/L		98
96)	1,3-Dichlorobenzene	13.030	146	409065	22.68	ug/L		98
97)	1,4-Dichlorobenzene	13.121	146	436733	21.73	ug/L		98
98)	n-Butylbenzene	13.371	92	518727	24.83	ug/L	#	79
99)	Benzyl Chloride	13.383	126	79661	24.72	ug/L		97
100)	1,2-Dichlorobenzene	13.590	146	396390	22.27	ug/L		99
101)	1,2-Dibromo-3-Chloropr...	14.480	75	38086	21.14	ug/L		95
102)	Hexachlorobutadiene	15.188	225	188257	18.44	ug/L		92
103)	1,2,4-Trichlorobenzene	15.243	180	316191	20.15	ug/L		98
104)	Naphthalene	15.614	128	613546	23.48	ug/L		98
105)	1,2,3-Trichlorobenzene	15.828	180	283932	19.83	ug/L		96
107)	Ethanol	4.117	45	47262	342.56	ug/L		96
108)	acrolein	4.568	56	183007	111.33	ug/L		93
109)	Tert Butyl Alcohol	5.177	59	200922	221.62	ug/L		92
110)	tert Amyl alcohol	7.323	59	157920	241.52	ug/L		97
111)	Isobutyl alcohol	7.214	42	123181	386.76	ug/L		96
112)	1,4-Dioxane	8.415	88	27116	478.66	ug/L		89
113)	3,3-Dimethyl-1-butanol	10.237	57	818737	1204.98	ug/L		91

(#) = qualifier out of range (m) = manual integration (+) = signals summed

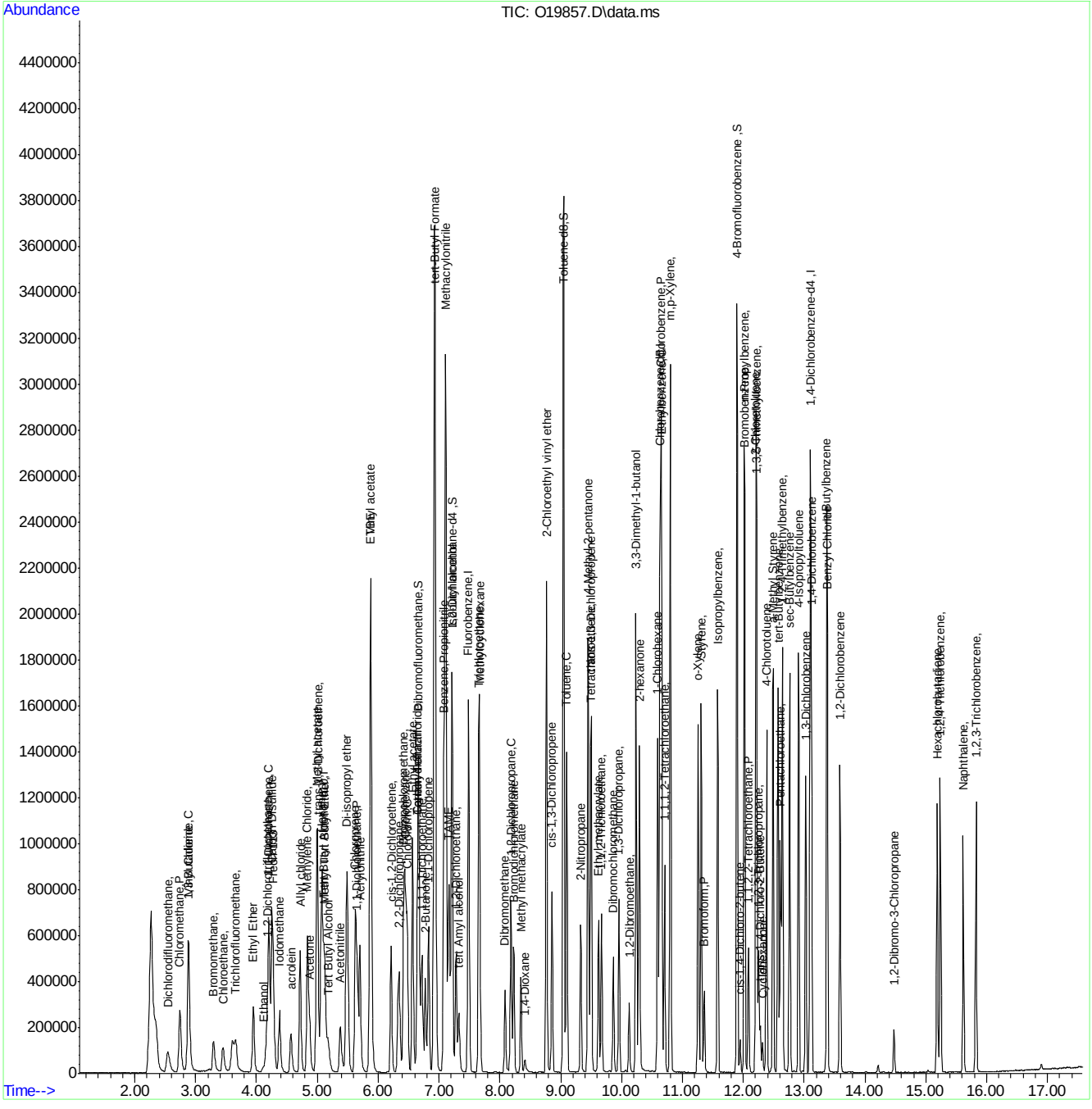
7.6.13

7

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19857.D
Acq On : 31 Oct 2013 10:08 am
Operator : melissam
Sample : IC791-3
Misc : MS25527,VO791,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 11:52:12 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration



Manual Integration Approval Summary

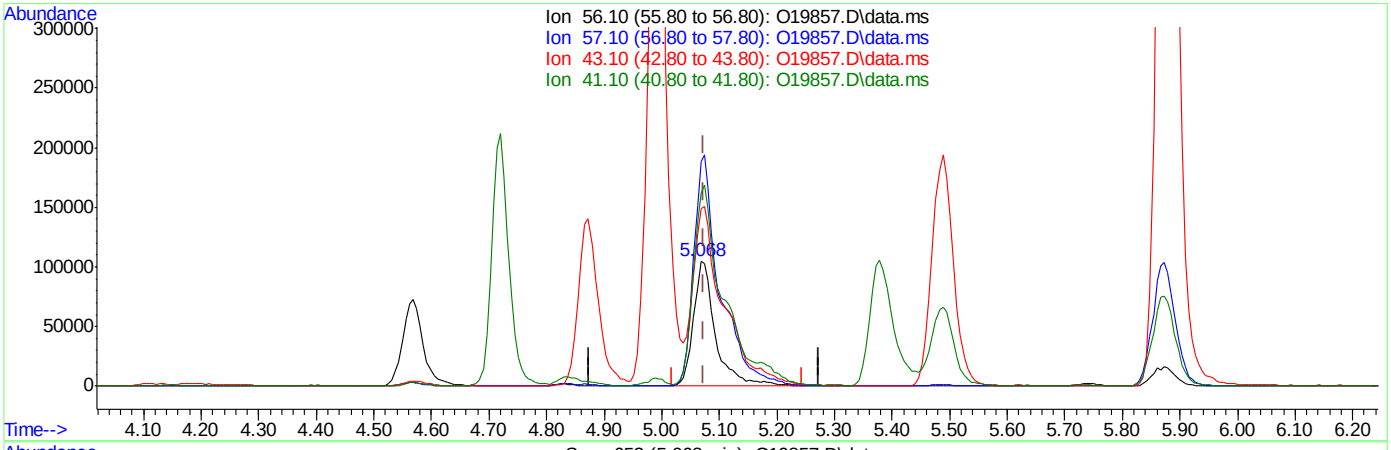
Sample Number:	VO791-IC791	**Method:**	SW846 8260B
Lab FileID:	O19857.D	**Analyst approved:**	11/01/13 12:01 Melissa Mangual
Injection Time:	10/31/13 10:08	**Supervisor approved:**	11/01/13 15:56 Juan Garcia

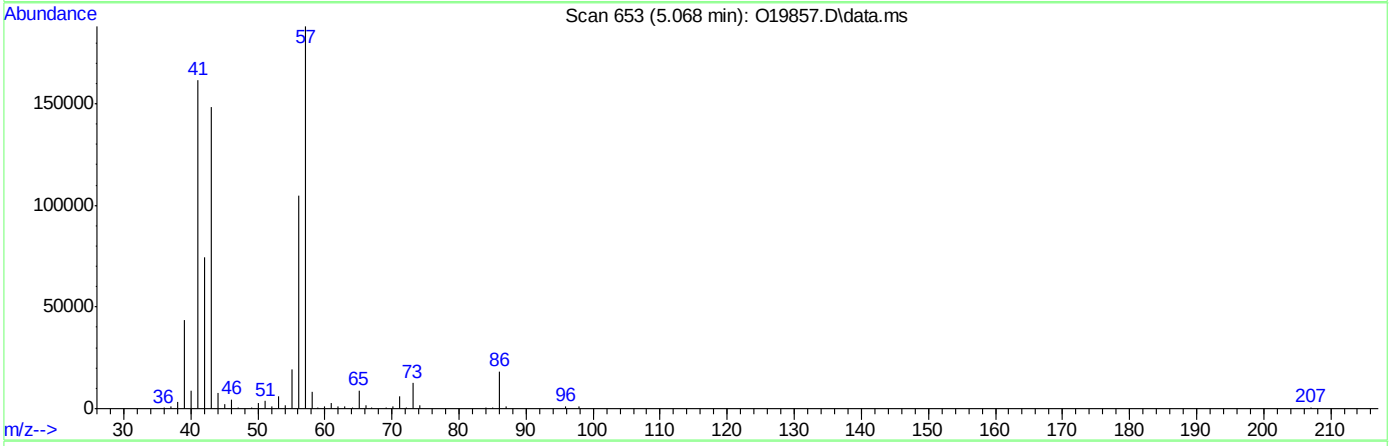
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19857.D
Acq On : 31 Oct 2013 10:08 am
Operator : melissam
Sample : IC791-3
Misc : MS25527,VO791,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 11:48:13 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19857.D\data.ms

(20) Hexane

5.068min (-0.006) 29.91ug/L

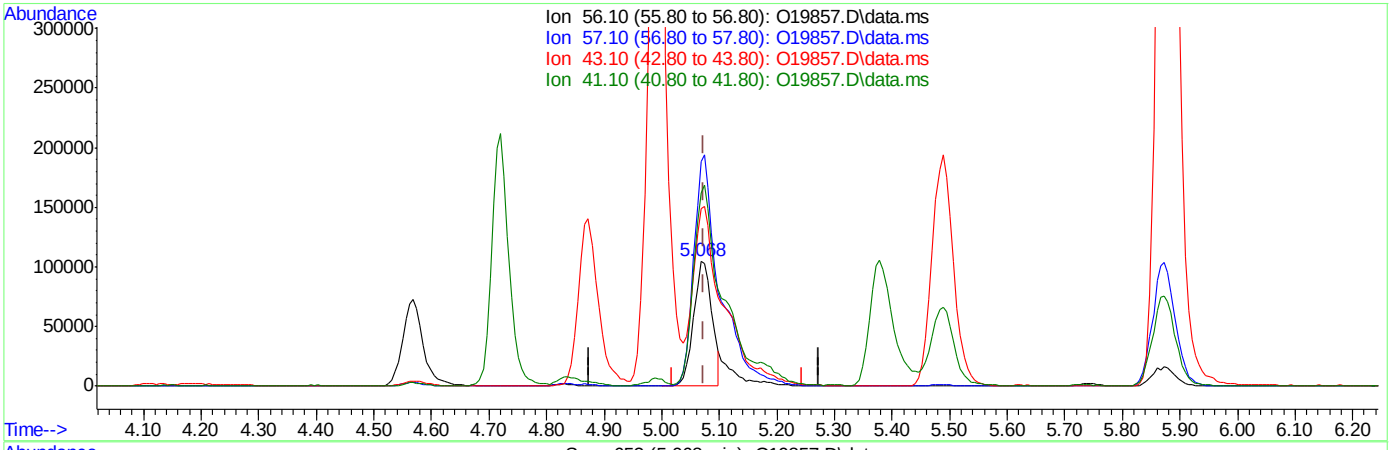
response 280605

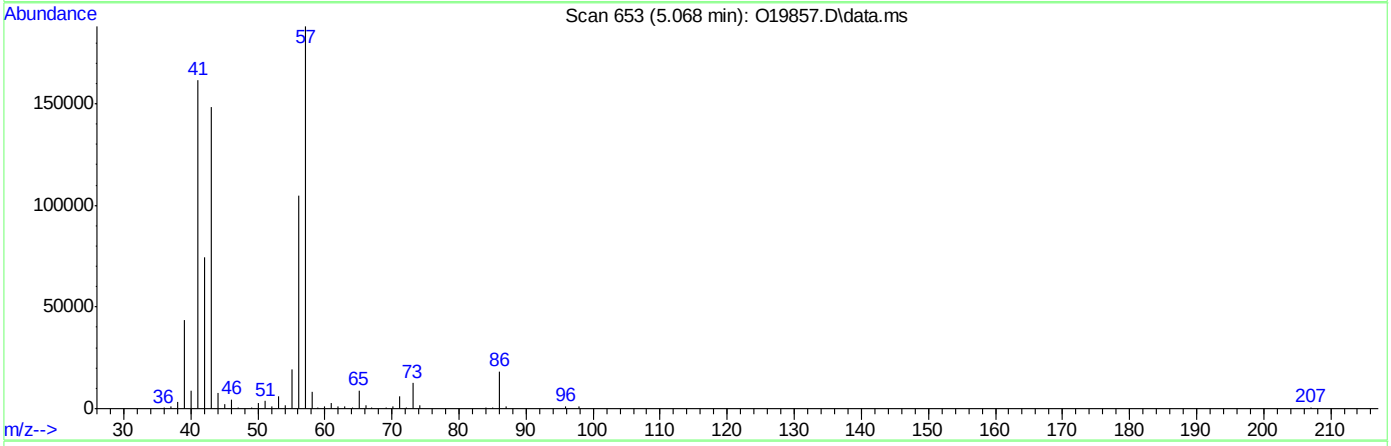
Ion	Exp%	Act%
56.10	100	100
57.10	189.30	179.01
43.10	154.20	140.18
41.10	180.70	153.03#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19857.D
Acq On : 31 Oct 2013 10:08 am
Operator : melissam
Sample : IC791-3
Misc : MS25527,VO791,,,,,
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 31 11:48:13 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19857.D\data.ms

(20) Hexane

5.068min (-0.006) 24.78ug/L m

response 232442

Ion	Exp%	Act%
56.10	100	100
57.10	189.30	179.27
43.10	154.20	141.62
41.10	180.70	154.25#

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19858.D
Acq On : 31 Oct 2013 10:29 am
Operator : melissam
Sample : ICC791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 31 11:52:30 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1184987	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	890569	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	500080	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	129698	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	368928	45.55	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 91.10%			
46) 1,2-Dichloroethane-d4	7.214	65	555705	44.53	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 89.06%			
57) Toluene-d8	9.049	98	1131281	47.25	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 94.50%			
79) 4-Bromofluorobenzene	11.896	95	526874	49.36	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.72%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.544	85	394339	39.51	ug/L	99
3) Chloromethane	2.751	50	873441	46.66	ug/L	98
4) 1,3-Butadiene	2.885	54	529926	42.23	ug/L	91
5) Vinyl Chloride	2.891	62	492448	46.30	ug/L	96
6) Bromomethane	3.300	94	225435	39.05	ug/L	99
7) Chloroethane	3.452	64	221615	39.25	ug/L	91
8) Trichlorofluoromethane	3.665	101	710606	37.64	ug/L	98
9) Ethyl Ether	3.952	59	418058	47.63	ug/L	92
10) 1,2-Dichlorotrifluoroe...	4.184	67	510309	45.74	ug/L	96
11) 1,1-Dichloroethene	4.208	61	832697	48.59	ug/L	98
12) Freon 113	4.275	101	463568	45.01	ug/L	97
13) Carbon Disulfide	4.263	76	1349512	45.44	ug/L	99
14) Iodomethane	4.385	142	688296	43.72	ug/L	96
15) Allyl chloride	4.720	41	906241	47.70	ug/L	91
16) Methylene Chloride	4.842	49	969650	38.84	ug/L	96
17) Acetone	4.873	58	173538	132.06	ug/L #	72
18) Methyl acetate	4.994	74	265572	212.06	ug/L #	70
19) trans-1,2-Dichloroethene	5.007	61	801316	47.79	ug/L	97
20) Hexane	5.074	56	481345m	49.55	ug/L	
21) Methyl Tert Butyl Ether	5.116	73	1129147	45.25	ug/L	97
22) Acetonitrile	5.385	40	330940	387.28	ug/L	98
23) Di-isopropyl ether	5.488	45	2273014	51.02	ug/L	95
24) Chloroprene	5.628	53	1016013	46.74	ug/L	97
25) 1,1-Dichloroethane	5.659	63	924644	46.45	ug/L	98
26) Acrylonitrile	5.702	53	915691	235.63	ug/L	99
27) ETBE	5.872	59	1830709	49.45	ug/L	98
28) Vinyl acetate	5.878	43	4785118	226.76	ug/L	99
29) cis-1,2-Dichloroethene	6.214	96	400236	45.15	ug/L	93
30) 2,2-Dichloropropane	6.342	77	684544	45.85	ug/L	95
31) Bromochloromethane	6.421	128	208253	44.23	ug/L #	87
32) Cyclohexane	6.445	56	1046252	54.79	ug/L	90
33) Chloroform	6.482	83	784408	42.90	ug/L	99
34) Ethyl acetate	6.567	43	2468017	221.34	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19858.D
Acq On : 31 Oct 2013 10:29 am
Operator : melissam
Sample : ICC791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 31 11:52:30 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) Tetrahydrofuran	6.647	42	142692	48.15	ug/L	92
37) Carbon Tetrachloride	6.653	117	679442	43.68	ug/L	97
38) 1,1,1-Trichloroethane	6.720	97	755883	44.07	ug/L	97
39) 2-Butanone	6.775	43	1083219	179.73	ug/L	97
40) 1,1-Dichloropropene	6.830	75	529368	45.49	ug/L	98
41) tert-Butyl Formate	6.933	59	3871189	489.21	ug/L	94
42) Propionitrile	7.092	54	637735	409.60	ug/L	99
43) Methacrylonitrile	7.110	41	3305656	409.27	ug/L	98
44) Benzene	7.086	78	1337617	44.00	ug/L	97
45) TAME	7.165	73	1093285	44.62	ug/L	98
47) 1,2-Dichloroethane	7.281	62	816781	43.69	ug/L	97
48) Trichloroethene	7.652	95	395104	43.14	ug/L	98
49) Methylcyclohexane	7.665	83	665344	47.99	ug/L	93
50) Dibromomethane	8.085	93	255428	42.17	ug/L	99
51) 1,2-Dichloropropane	8.183	63	463761	47.92	ug/L	92
52) Bromodichloromethane	8.226	83	587078	43.15	ug/L	98
53) Methyl methacrylate	8.347	41	457020	43.68	ug/L	97
54) 2-Chloroethyl vinyl ether	8.768	63	1414532	266.15	ug/L	95
55) cis-1,3-Dichloropropene	8.853	75	643969	45.89	ug/L	94
58) Toluene	9.097	91	1484615	44.21	ug/L	99
59) 2-Nitropropane	9.329	41	682698	228.40	ug/L	99
60) 4-Methyl-2-pentanone	9.451	43	2486899	237.72	ug/L	97
61) trans-1,3-Dichloropropene	9.500	75	568483	45.15	ug/L	97
62) Tetrachloroethene	9.494	166	399549	40.22	ug/L	90
63) Ethyl methacrylate	9.622	69	423854	41.03	ug/L	94
64) 1,1,2-Trichloroethane	9.670	83	277437	44.32	ug/L	97
65) Dibromochloromethane	9.865	129	431393	43.02	ug/L	98
66) 1,3-Dichloropropane	9.957	76	556730	43.23	ug/L	98
67) 1,2-Dibromoethane	10.128	107	346195	43.45	ug/L	100
68) 2-hexanone	10.292	43	1777565	201.43	ug/L	97
69) 1-Chlorohexane	10.591	91	576558	48.11	ug/L	89
70) Ethylbenzene	10.658	91	1795667	43.86	ug/L	100
71) Chlorobenzene	10.652	112	915289	42.41	ug/L	99
72) 1,1,1,2-Tetrachloroethane	10.707	131	409053	43.71	ug/L	98
73) m,p-Xylene	10.804	91	2733277	89.46	ug/L	100
74) o-Xylene	11.255	91	1415508	46.74	ug/L	99
75) Styrene	11.310	104	1102495	46.76	ug/L	99
76) Bromoform	11.359	173	273241	39.33	ug/L	97
77) Isopropylbenzene	11.579	105	1708055	46.77	ug/L	97
80) cis-1,4-Dichloro-2-butene	11.950	53	93999	78.35	ug/L	97
81) n-Propylbenzene	12.018	91	2025819	47.32	ug/L	98
82) Bromobenzene	12.024	156	441112	43.24	ug/L	92
83) 1,1,2,2-Tetrachloroethane	12.085	83	427134	45.66	ug/L	94
84) 1,3,5-Trimethylbenzene	12.219	105	1606871	47.97	ug/L	99
85) 2-Chlorotoluene	12.207	91	1449134	46.61	ug/L	97
86) trans-1,4-Dichloro-2-B...	12.280	53	128093	70.30	ug/L	97
87) 1,2,3-Trichloropropane	12.249	110	126520	44.10	ug/L	97
88) Cyclohexanone	12.316	55	112815	242.81	ug/L	97
89) 4-Chlorotoluene	12.383	91	1343951	46.63	ug/L	100
90) a-Methyl Styrene	12.493	118	809052	45.14	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19858.D
Acq On : 31 Oct 2013 10:29 am
Operator : melissam
Sample : ICC791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 31 11:52:30 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

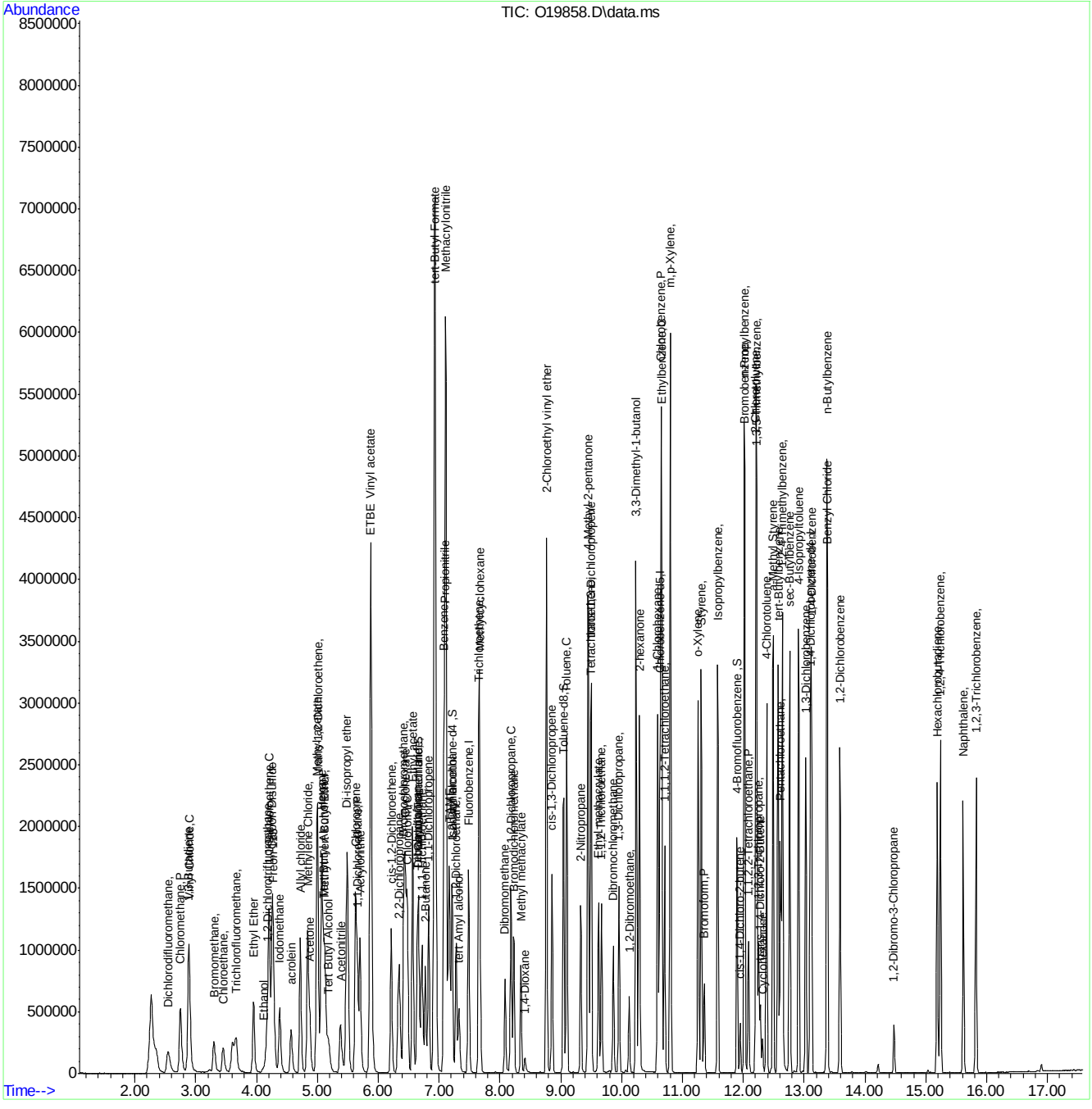
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	tert-Butylbenzene	12.572	91	944862	46.12	ug/L		98
92)	1,2,4-Trimethylbenzene	12.645	105	1678626	45.48	ug/L		98
93)	Pentachloroethane	12.615	167	294606	37.54	ug/L		96
94)	sec-Butylbenzene	12.761	105	1944907	47.59	ug/L		99
95)	4-Isopropyltoluene	12.908	119	1612069	47.89	ug/L		98
96)	1,3-Dichlorobenzene	13.030	146	809685	43.65	ug/L		98
97)	1,4-Dichlorobenzene	13.121	146	868420	42.00	ug/L		99
98)	n-Butylbenzene	13.377	92	1045906	48.68	ug/L		96
99)	Benzyl Chloride	13.383	126	162989	49.17	ug/L	#	86
100)	1,2-Dichlorobenzene	13.590	146	787779	43.03	ug/L		99
101)	1,2-Dibromo-3-Chloropr...	14.474	75	82348	44.43	ug/L		94
102)	Hexachlorobutadiene	15.188	225	373683	35.59	ug/L		95
103)	1,2,4-Trichlorobenzene	15.242	180	655914	40.63	ug/L		97
104)	Naphthalene	15.614	128	1318410	49.04	ug/L		100
105)	1,2,3-Trichlorobenzene	15.828	180	583992	39.66	ug/L		97
107)	Ethanol	4.129	45	91663	595.85	ug/L		93
108)	acrolein	4.568	56	390455	213.02	ug/L		96
109)	Tert Butyl Alcohol	5.183	59	420073	415.55	ug/L		90
110)	tert Amyl alcohol	7.329	59	328609	450.72	ug/L		96
111)	Isobutyl alcohol	7.214	42	254239	715.91	ug/L		93
112)	1,4-Dioxane	8.415	88	56873	900.37	ug/L		84
113)	3,3-Dimethyl-1-butanol	10.237	57	1717802	2267.38	ug/L		92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19858.D
Acq On : 31 Oct 2013 10:29 am
Operator : melissam
Sample : ICC791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 31 11:52:30 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration



Manual Integration Approval Summary

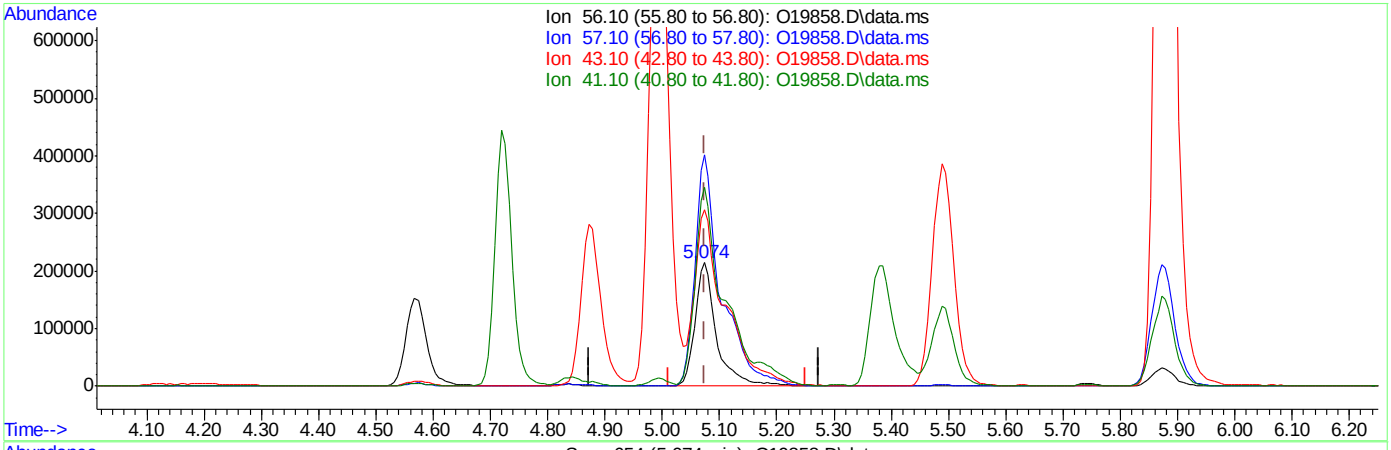
Sample Number:	VO791-ICC791	**Method:**	SW846 8260B
Lab FileID:	O19858.D	**Analyst approved:**	11/01/13 12:01 Melissa Mangual
Injection Time:	10/31/13 10:29	**Supervisor approved:**	11/01/13 15:56 Juan Garcia

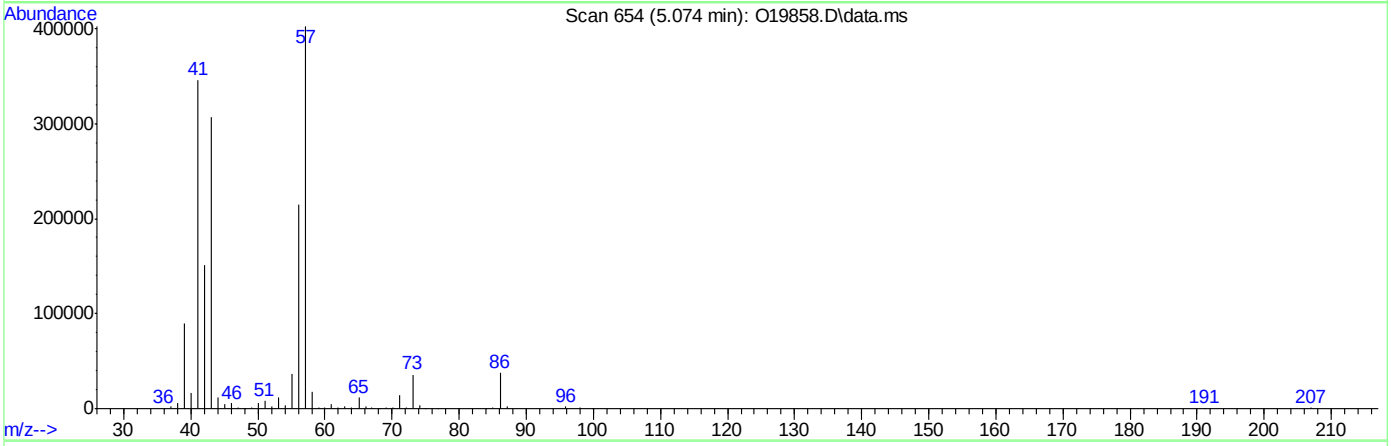
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19858.D
Acq On : 31 Oct 2013 10:29 am
Operator : melissam
Sample : ICC791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 31 11:48:15 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19858.D\data.ms

(20) Hexane

5.074min (-0.000) 58.09ug/L

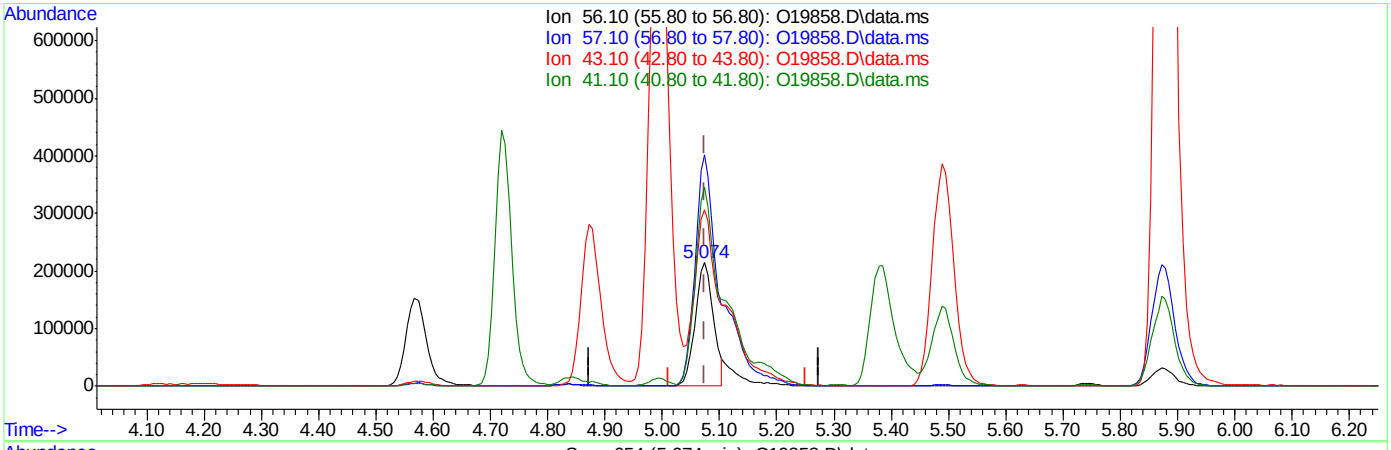
response 564336

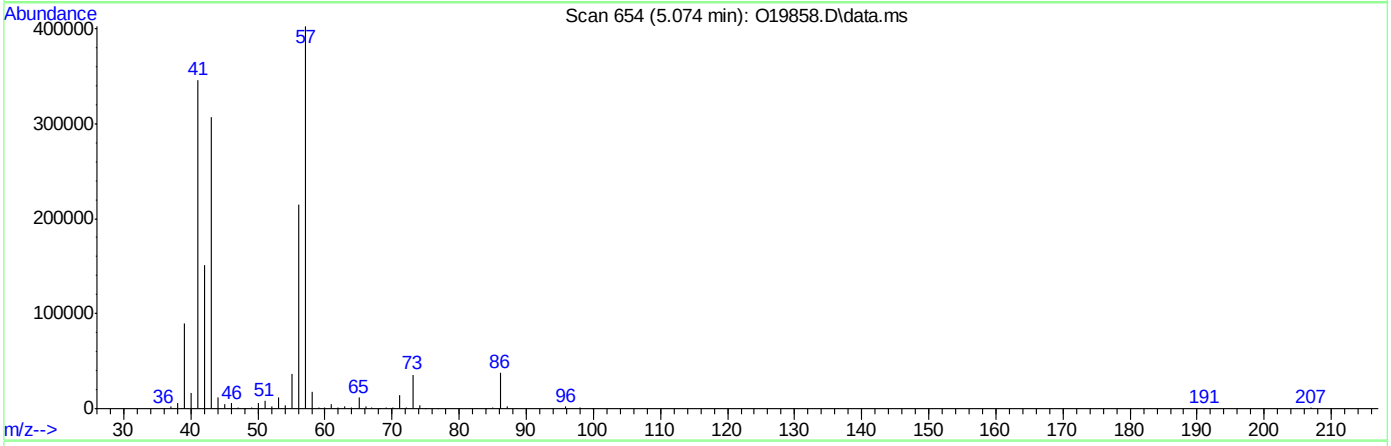
Ion	Exp%	Act%
56.10	100	100
57.10	189.30	188.06
43.10	154.20	142.01
41.10	180.70	160.42#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19858.D
Acq On : 31 Oct 2013 10:29 am
Operator : melissam
Sample : ICC791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 31 11:48:15 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19858.D\data.ms

(20) Hexane

5.074min (-0.000) 49.55ug/L m

response 481345

Ion	Exp%	Act%
56.10	100	100
57.10	189.30	187.75
43.10	154.20	142.92
41.10	180.70	161.41

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19859.D
Acq On : 31 Oct 2013 10:50 am
Operator : melissam
Sample : IC791-5
Misc : MS25527,VO791,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 31 11:52:44 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1281044	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	931066	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	525092	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.116	65	141300	250.00	ug/L	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	6.671	113	830083	94.79	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 189.58%#			
46) 1,2-Dichloroethane-d4	7.214	65	1240434	91.95	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 183.90%#			
57) Toluene-d8	9.049	98	2505747	100.10	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 200.20%#			
79) 4-Bromofluorobenzene	11.896	95	1158176	103.34	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 206.68%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.550	85	728898	67.56	ug/L	96
3) Chloromethane	2.757	50	1607462	79.44	ug/L	99
4) 1,3-Butadiene	2.897	54	948666	69.93	ug/L	91
5) Vinyl Chloride	2.897	62	920907	80.09	ug/L	100
6) Bromomethane	3.306	94	413715	66.29	ug/L	97
7) Chloroethane	3.452	64	402454	65.93	ug/L	82
8) Trichlorofluoromethane	3.659	101	1290379	63.22	ug/L	100
9) Ethyl Ether	3.958	59	792100	83.47	ug/L	91
10) 1,2-Dichlorotrifluoroe...	4.184	67	974506	80.79	ug/L	96
11) 1,1-Dichloroethene	4.208	61	1566264	84.54	ug/L	98
12) Freon 113	4.281	101	870027	78.15	ug/L	98
13) Carbon Disulfide	4.263	76	2528928	78.78	ug/L	98
14) Iodomethane	4.385	142	1299834	76.37	ug/L	97
15) Allyl chloride	4.726	41	1701357	82.84	ug/L	89
16) Methylene Chloride	4.842	49	1794607	66.49	ug/L	96
17) Acetone	4.879	58	340984	240.02	ug/L #	68
18) Methyl acetate	4.995	74	517928	382.56	ug/L #	79
19) trans-1,2-Dichloroethene	5.013	61	1532906	84.57	ug/L	97
20) Hexane	5.074	56	950645m	90.52	ug/L	
21) Methyl Tert Butyl Ether	5.123	73	2143691	79.47	ug/L	96
22) Acetonitrile	5.385	40	626166	677.82	ug/L	95
23) Di-isopropyl ether	5.494	45	4307737	89.44	ug/L	95
24) Chloroprene	5.629	53	1920874	81.74	ug/L	97
25) 1,1-Dichloroethane	5.659	63	1754971	81.56	ug/L	100
26) Acrylonitrile	5.708	53	1711882	407.49	ug/L	99
27) ETBE	5.878	59	3439562	85.94	ug/L	97
28) Vinyl acetate	5.878	43	8601425	377.05	ug/L	99
29) cis-1,2-Dichloroethene	6.214	96	777792	81.15	ug/L	93
30) 2,2-Dichloropropane	6.342	77	1295549	80.27	ug/L	98
31) Bromochloromethane	6.421	128	393100	77.23	ug/L #	83
32) Cyclohexane	6.445	56	1981811	96.00	ug/L	89
33) Chloroform	6.482	83	1493778	75.58	ug/L	98
34) Ethyl acetate	6.567	43	4645558	385.39	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19859.D
Acq On : 31 Oct 2013 10:50 am
Operator : melissam
Sample : IC791-5
Misc : MS25527,VO791,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 31 11:52:44 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
35) Tetrahydrofuran	6.647	42	267620	83.53 ug/L	90
37) Carbon Tetrachloride	6.653	117	1270184	75.54 ug/L	98
38) 1,1,1-Trichloroethane	6.720	97	1433512	77.31 ug/L	96
39) 2-Butanone	6.775	43	2098765	322.12 ug/L	97
40) 1,1-Dichloropropene	6.830	75	1012288	80.47 ug/L	98
41) tert-Butyl Formate	6.933	59	7263573	849.08 ug/L	90
42) Propionitrile	7.092	54	1193894	709.31 ug/L	95
43) Methacrylonitrile	7.116	41	6024631	689.98 ug/L	98
44) Benzene	7.086	78	2461755	74.90 ug/L	97
45) TAME	7.165	73	2066978	78.04 ug/L	98
47) 1,2-Dichloroethane	7.281	62	1526483	75.54 ug/L	99
48) Trichloroethene	7.659	95	740123	74.76 ug/L	99
49) Methylcyclohexane	7.665	83	1239140	82.67 ug/L	91
50) Dibromomethane	8.085	93	487736	74.48 ug/L	96
51) 1,2-Dichloropropane	8.183	63	896069	85.64 ug/L	91
52) Bromodichloromethane	8.232	83	1120747	76.20 ug/L	99
53) Methyl methacrylate	8.348	41	881432	77.92 ug/L	97
54) 2-Chloroethyl vinyl ether	8.768	63	2655578	462.19 ug/L	95
55) cis-1,3-Dichloropropene	8.860	75	1226798	80.87 ug/L	92
58) Toluene	9.097	91	2763999	78.73 ug/L	100
59) 2-Nitropropane	9.329	41	1312800	420.10 ug/L	98
60) 4-Methyl-2-pentanone	9.451	43	4647889	424.97 ug/L	96
61) trans-1,3-Dichloropropene	9.506	75	1074724	81.65 ug/L #	77
62) Tetrachloroethene	9.500	166	745301	71.77 ug/L	96
63) Ethyl methacrylate	9.622	69	806952	74.72 ug/L	94
64) 1,1,2-Trichloroethane	9.670	83	511454	78.16 ug/L	93
65) Dibromochloromethane	9.866	129	833821	79.54 ug/L	100
66) 1,3-Dichloropropane	9.957	76	1049680	77.96 ug/L	98
67) 1,2-Dibromoethane	10.128	107	662908	79.58 ug/L	98
68) 2-hexanone	10.292	43	3329635	360.89 ug/L	95
69) 1-Chlorohexane	10.597	91	1081168	86.28 ug/L	94
70) Ethylbenzene	10.658	91	3267599	76.34 ug/L	100
71) Chlorobenzene	10.652	112	1662223	73.67 ug/L	99
72) 1,1,1,2-Tetrachloroethane	10.707	131	760354	77.71 ug/L	99
73) m,p-Xylene	10.804	91	4993844	156.35 ug/L	99
74) o-Xylene	11.256	91	2650256	83.70 ug/L	98
75) Styrene	11.310	104	2028278	82.28 ug/L	98
76) Bromoform	11.359	173	517925	71.30 ug/L	97
77) Isopropylbenzene	11.579	105	3153607	82.59 ug/L	98
80) cis-1,4-Dichloro-2-butene	11.950	53	204832	162.59 ug/L	96
81) n-Propylbenzene	12.018	91	3655951	81.33 ug/L	99
82) Bromobenzene	12.024	156	783676	73.17 ug/L	95
83) 1,1,2,2-Tetrachloroethane	12.085	83	795878	81.02 ug/L	99
84) 1,3,5-Trimethylbenzene	12.219	105	2933340	83.40 ug/L	100
85) 2-Chlorotoluene	12.207	91	2633607	80.68 ug/L	96
86) trans-1,4-Dichloro-2-B...	12.280	53	272456	142.40 ug/L	98
87) 1,2,3-Trichloropropane	12.249	110	241447	80.15 ug/L	98
88) Cyclohexanone	12.316	55	215547	441.83 ug/L	99
89) 4-Chlorotoluene	12.383	91	2504264	82.75 ug/L	99
90) a-Methyl Styrene	12.493	118	1475069	78.39 ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19859.D
Acq On : 31 Oct 2013 10:50 am
Operator : melissam
Sample : IC791-5
Misc : MS25527,VO791,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 31 11:52:44 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

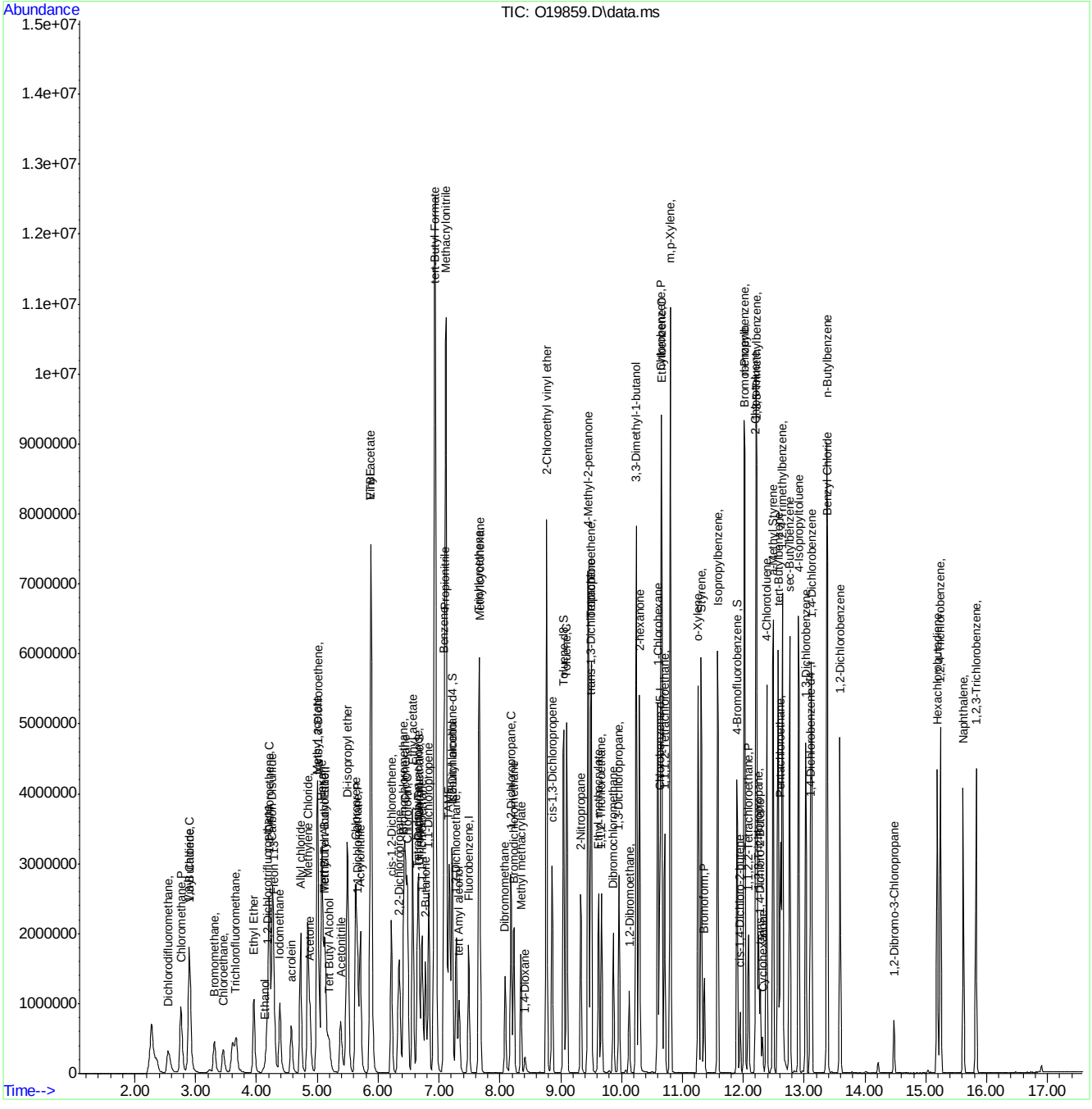
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	tert-Butylbenzene	12.572	91	1771048	82.33	ug/L		98
92)	1,2,4-Trimethylbenzene	12.645	105	3099073	79.97	ug/L		99
93)	Pentachloroethane	12.615	167	524811	63.68	ug/L		89
94)	sec-Butylbenzene	12.761	105	3588983	83.64	ug/L		99
95)	4-Isopropyltoluene	12.908	119	2953414	83.57	ug/L		98
96)	1,3-Dichlorobenzene	13.030	146	1469701	75.45	ug/L		97
97)	1,4-Dichlorobenzene	13.121	146	1594916	73.46	ug/L		99
98)	n-Butylbenzene	13.377	92	1879001	83.29	ug/L		97
99)	Benzyl Chloride	13.383	126	309108	88.81	ug/L	#	89
100)	1,2-Dichlorobenzene	13.590	146	1442094	75.03	ug/L		98
101)	1,2-Dibromo-3-Chloropr...	14.480	75	162767	83.64	ug/L		94
102)	Hexachlorobutadiene	15.188	225	708540	64.27	ug/L		93
103)	1,2,4-Trichlorobenzene	15.243	180	1214556	71.65	ug/L		98
104)	Naphthalene	15.614	128	2450707	86.82	ug/L		99
105)	1,2,3-Trichlorobenzene	15.828	180	1054546	68.20	ug/L		97
107)	Ethanol	4.135	45	201660	1203.25	ug/L		99
108)	acrolein	4.574	56	735699	368.42	ug/L		97
109)	Tert Butyl Alcohol	5.190	59	837685	760.63	ug/L		89
110)	tert Amyl alcohol	7.329	59	662009	833.46	ug/L		92
111)	Isobutyl alcohol	7.214	42	480426	1241.74	ug/L		94
112)	1,4-Dioxane	8.415	88	117220	1703.37	ug/L		88
113)	3,3-Dimethyl-1-butanol	10.243	57	3373696	4087.42	ug/L		90

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19859.D
Acq On : 31 Oct 2013 10:50 am
Operator : melissam
Sample : IC791-5
Misc : MS25527,VO791,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 31 11:52:44 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration


Abundance
TIC: O19859.D\data.ms
Time-->
Dichlorodifluoromethane,
Chloromethane,P
Bromomethane,
Chloroethane,
Trichlorofluoromethane,
Ethyl Ether
Ethanol
acrolein
Acetone
Acetonitrile
Allyl chloride
Methylene Chloride
Tert Butyl Alcohol
Di-isopropyl ether
Fluorobenzene, I
Dibromomethane
Methyl methacrylate
1,4-Dioxane
2-Chloroethyl vinyl ether
cis-1,3-Dichloropropene
2-Nitropropane
3,3-Dimethyl-1-butanol
2-hexanone
1,2-Dibromoethane,
Bromoform,P
o-Xylene,
Isopropylbenzene,
4-Bromofluorobenzene ,S
4-Chlorotoluene
n-Butylbenzene
1,2-Dichlorobenzene
1,2-Dibromo-3-Chloropropane
Naphthalene,
1,2,3-Trichlorobenzene,
m,p-Xylene,
Methacrylonitrile
Tert Butyl Formate
Benzene-d6,S
Toluene-d8,S
Toluene-d8
Bromobenzene-d5 ,S
Chlorobenzene-d5 ,S
1,4-Dichlorobenzene-d4 ,S
Styrene
Benzyl Chloride
1,2,4-Trichlorobenzene,
1,2,3-Trichlorobenzene,
1,2,4-Trichlorobenzene,
1,3-Dichlorobenzene
1,4-Dichlorobenzene
1,4-Dichlorobenzene-d4
Pentachloroethane,
Cyclohexanone,
Cyclohexanone-d4 ,I
Tert Amyl alcohol
Tert Butyl Acetate
Methyl Acetate
Methyl Tert Butyl Ether
Methyl Methacrylate
Methyl Methacrylate-d8 ,S
Methyl Methacrylate-d8
Methyl Methacrylate-d8 ,S
Methyl Methacrylate-d8 ,S
Methyl Methacrylate-d8 ,S

Manual Integration Approval Summary

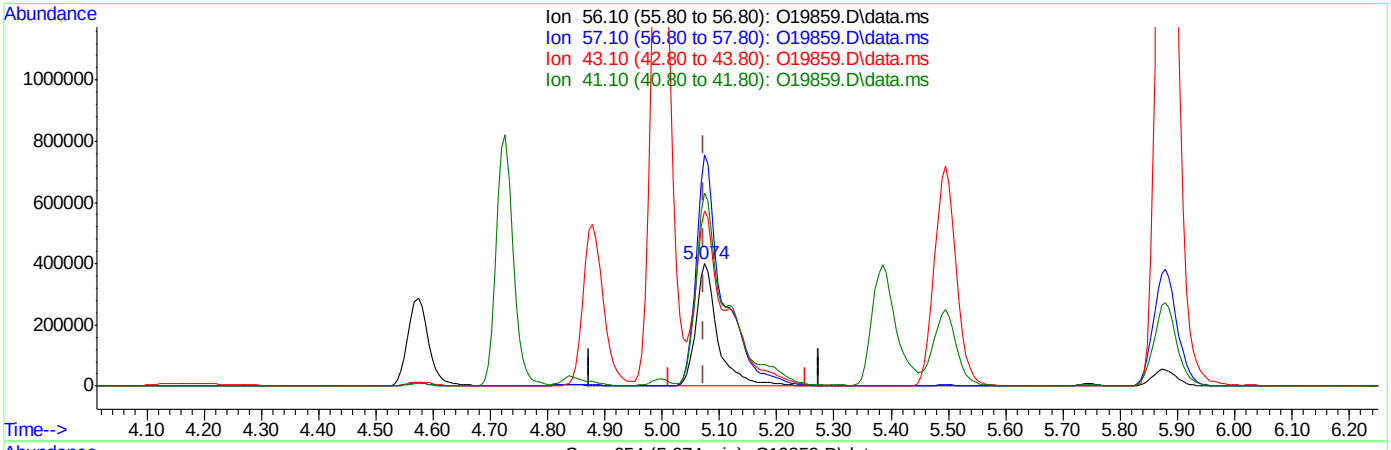
Sample Number:	VO791-IC791	**Method:**	SW846 8260B
Lab FileID:	O19859.D	**Analyst approved:**	11/01/13 12:01 Melissa Mangual
Injection Time:	10/31/13 10:50	**Supervisor approved:**	11/01/13 15:56 Juan Garcia

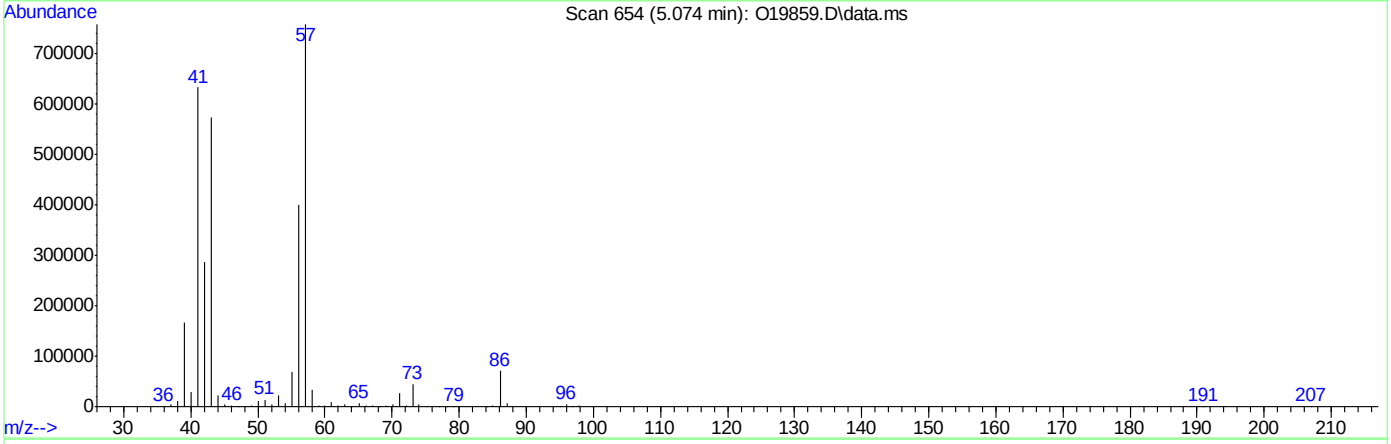
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19859.D
Acq On : 31 Oct 2013 10:50 am
Operator : melissam
Sample : IC791-5
Misc : MS25527,VO791,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 31 11:48:17 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19859.D\data.ms

(20) Hexane

5.074min (-0.000) 101.70ug/L

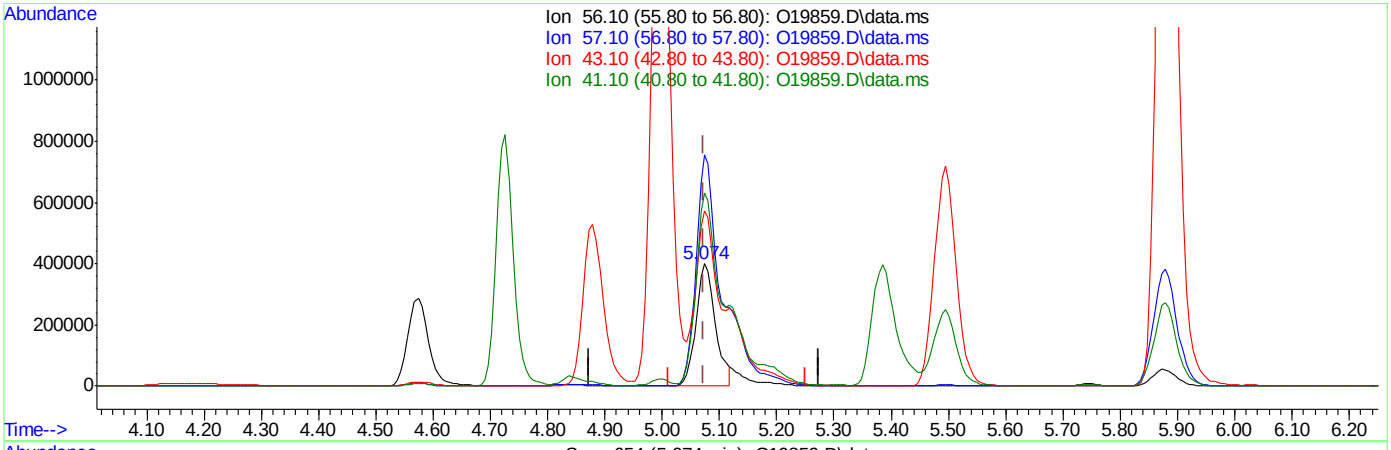
response 1068090

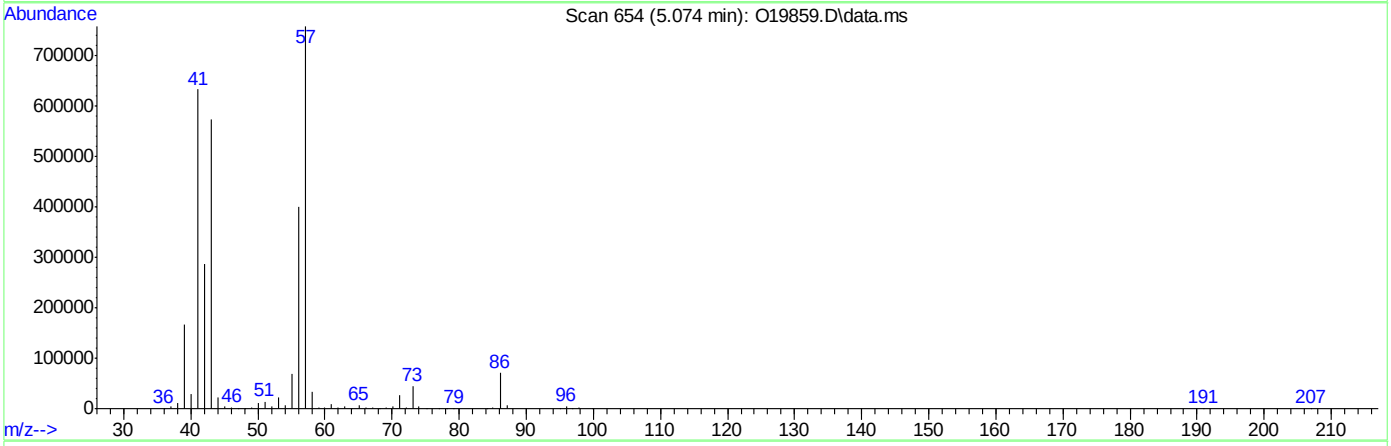
Ion	Exp%	Act%
56.10	100	100
57.10	189.30	189.95
43.10	154.20	142.02
41.10	180.70	156.84#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19859.D
Acq On : 31 Oct 2013 10:50 am
Operator : melissam
Sample : IC791-5
Misc : MS25527,VO791,,,,,
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 31 11:48:17 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19859.D\data.ms

(20) Hexane

5.074min (-0.000) 90.52ug/L m

response 950645

Ion	Exp%	Act%
56.10	100	100
57.10	189.30	189.60
43.10	154.20	143.40
41.10	180.70	158.43#

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19860.D
Acq On : 31 Oct 2013 11:11 am
Operator : melissam
Sample : IC791-6
Misc : MS25527,VO791,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 31 11:53:12 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1320144	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	949522	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	522828	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.117	65	154596	250.00	ug/L	0.01
System Monitoring Compounds						
36) Dibromofluoromethane	6.671	113	916114	101.52	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 203.04%#			
46) 1,2-Dichloroethane-d4	7.214	65	1369139	98.49	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 196.98%#			
57) Toluene-d8	9.049	98	2766432	108.37	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 216.74%#			
79) 4-Bromofluorobenzene	11.896	95	1293450	115.90	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 231.80%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.550	85	998044	89.77	ug/L	94
3) Chloromethane	2.757	50	2257645	108.27	ug/L	100
4) 1,3-Butadiene	2.897	54	1358304	97.16	ug/L	89
5) Vinyl Chloride	2.904	62	1293790	109.19	ug/L	99
6) Bromomethane	3.306	94	578750	89.98	ug/L	96
7) Chloroethane	3.446	64	538930	85.68	ug/L	81
8) Trichlorofluoromethane	3.660	101	1707132	81.16	ug/L	99
9) Ethyl Ether	3.958	59	1123870	114.93	ug/L	91
10) 1,2-Dichlorotrifluoroe...	4.184	67	1378175	110.88	ug/L	96
11) 1,1-Dichloroethene	4.208	61	2218558	116.20	ug/L	98
12) Freon 113	4.275	101	1202123	104.78	ug/L	97
13) Carbon Disulfide	4.257	76	3590508	108.53	ug/L	98
14) Iodomethane	4.385	142	1837159	104.74	ug/L	96
15) Allyl chloride	4.720	41	2400506	113.42	ug/L	91
16) Methylene Chloride	4.842	49	2502332	89.97	ug/L	96
17) Acetone	4.879	58	493636	337.18	ug/L #	70
18) Methyl acetate	4.995	74	746411	535.00	ug/L #	82
19) trans-1,2-Dichloroethene	5.007	61	2121922	113.60	ug/L	95
20) Hexane	5.074	56	1255108m	115.97	ug/L	
21) Methyl Tert Butyl Ether	5.123	73	3068972	110.41	ug/L	95
22) Acetonitrile	5.385	40	891543m	936.50	ug/L	
23) Di-isopropyl ether	5.495	45	6071344	122.33	ug/L	94
24) Chloroprene	5.629	53	2660451	109.86	ug/L	97
25) 1,1-Dichloroethane	5.659	63	2465881	111.20	ug/L	99
26) Acrylonitrile	5.702	53	2568253	593.23	ug/L	99
27) ETBE	5.879	59	4863618	117.92	ug/L	96
28) Vinyl acetate	5.879	43	12045744	512.40	ug/L	99
29) cis-1,2-Dichloroethene	6.214	96	1098685	111.24	ug/L	92
30) 2,2-Dichloropropane	6.342	77	1804298	108.48	ug/L	96
31) Bromochloromethane	6.421	128	561626	107.07	ug/L #	84
32) Cyclohexane	6.446	56	2786357	130.97	ug/L	89
33) Chloroform	6.482	83	2072440	101.75	ug/L	99
34) Ethyl acetate	6.567	43	6800357	547.44	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19860.D
Acq On : 31 Oct 2013 11:11 am
Operator : melissam
Sample : IC791-6
Misc : MS25527,VO791,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 31 11:53:12 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
35) Tetrahydrofuran	6.647	42	385177	116.66 ug/L	90
37) Carbon Tetrachloride	6.647	117	1752209	101.12 ug/L	99
38) 1,1,1-Trichloroethane	6.720	97	2001758	104.75 ug/L	97
39) 2-Butanone	6.781	43	3024299	450.42 ug/L	100
40) 1,1-Dichloropropene	6.830	75	1406669	108.51 ug/L	96
41) tert-Butyl Formate	6.933	59	10606593	1203.14 ug/L #	88
42) Propionitrile	7.092	54	1728066	996.27 ug/L	93
43) Methacrylonitrile	7.116	41	8362267	929.33 ug/L	98
44) Benzene	7.086	78	3419475	100.96 ug/L	99
45) TAME	7.171	73	2959482	108.43 ug/L	99
47) 1,2-Dichloroethane	7.281	62	2118124	101.71 ug/L	98
48) Trichloroethene	7.659	95	1023624	100.33 ug/L	98
49) Methylcyclohexane	7.665	83	1713646	110.94 ug/L	92
50) Dibromomethane	8.085	93	681668	101.01 ug/L	99
51) 1,2-Dichloropropane	8.183	63	1286146	119.28 ug/L	90
52) Bromodichloromethane	8.232	83	1581913	104.37 ug/L	100
53) Methyl methacrylate	8.348	41	1274853	109.36 ug/L	96
54) 2-Chloroethyl vinyl ether	8.768	63	3763102	635.56 ug/L	93
55) cis-1,3-Dichloropropene	8.860	75	1741238	111.38 ug/L	91
58) Toluene	9.097	91	3833410	107.06 ug/L	100
59) 2-Nitropropane	9.329	41	1853707	581.66 ug/L	98
60) 4-Methyl-2-pentanone	9.451	43	6614681	593.04 ug/L	95
61) trans-1,3-Dichloropropene	9.506	75	1494596	111.34 ug/L #	77
62) Tetrachloroethene	9.500	166	1051954	99.33 ug/L	96
63) Ethyl methacrylate	9.622	69	1195065	108.51 ug/L	96
64) 1,1,2-Trichloroethane	9.671	83	722948	108.33 ug/L	95
65) Dibromochloromethane	9.866	129	1180426	110.41 ug/L	100
66) 1,3-Dichloropropane	9.957	76	1483645	108.05 ug/L	98
67) 1,2-Dibromoethane	10.128	107	952040	112.06 ug/L	98
68) 2-hexanone	10.292	43	4770589	507.02 ug/L	94
69) 1-Chlorohexane	10.597	91	1490113	116.61 ug/L	92
70) Ethylbenzene	10.658	91	4479503	102.61 ug/L	99
71) Chlorobenzene	10.652	112	2286331	99.36 ug/L	99
72) 1,1,1,2-Tetrachloroethane	10.707	131	1063220	106.55 ug/L	98
73) m,p-Xylene	10.804	91	6845501	210.15 ug/L	99
74) o-Xylene	11.256	91	3652653	113.12 ug/L	99
75) Styrene	11.310	104	2803041	111.49 ug/L	97
76) Bromoform	11.359	173	740411	99.95 ug/L	97
77) Isopropylbenzene	11.579	105	4345884	111.61 ug/L	97
80) cis-1,4-Dichloro-2-butene	11.951	53	283820	226.26 ug/L	93
81) n-Propylbenzene	12.018	91	4976527	111.18 ug/L	100
82) Bromobenzene	12.024	156	1077336	101.02 ug/L	93
83) 1,1,2,2-Tetrachloroethane	12.085	83	1126277	115.15 ug/L	98
84) 1,3,5-Trimethylbenzene	12.219	105	4020705	114.81 ug/L	98
85) 2-Chlorotoluene	12.207	91	3624102	111.50 ug/L	97
86) trans-1,4-Dichloro-2-B...	12.280	53	380206	199.57 ug/L	95
87) 1,2,3-Trichloropropane	12.255	110	339455	113.17 ug/L	95
88) Cyclohexanone	12.316	55	327306	673.82 ug/L	96
89) 4-Chlorotoluene	12.383	91	3451715	114.56 ug/L	98
90) a-Methyl Styrene	12.493	118	2054653	109.66 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19860.D
Acq On : 31 Oct 2013 11:11 am
Operator : melissam
Sample : IC791-6
Misc : MS25527,VO791,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 31 11:53:12 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration

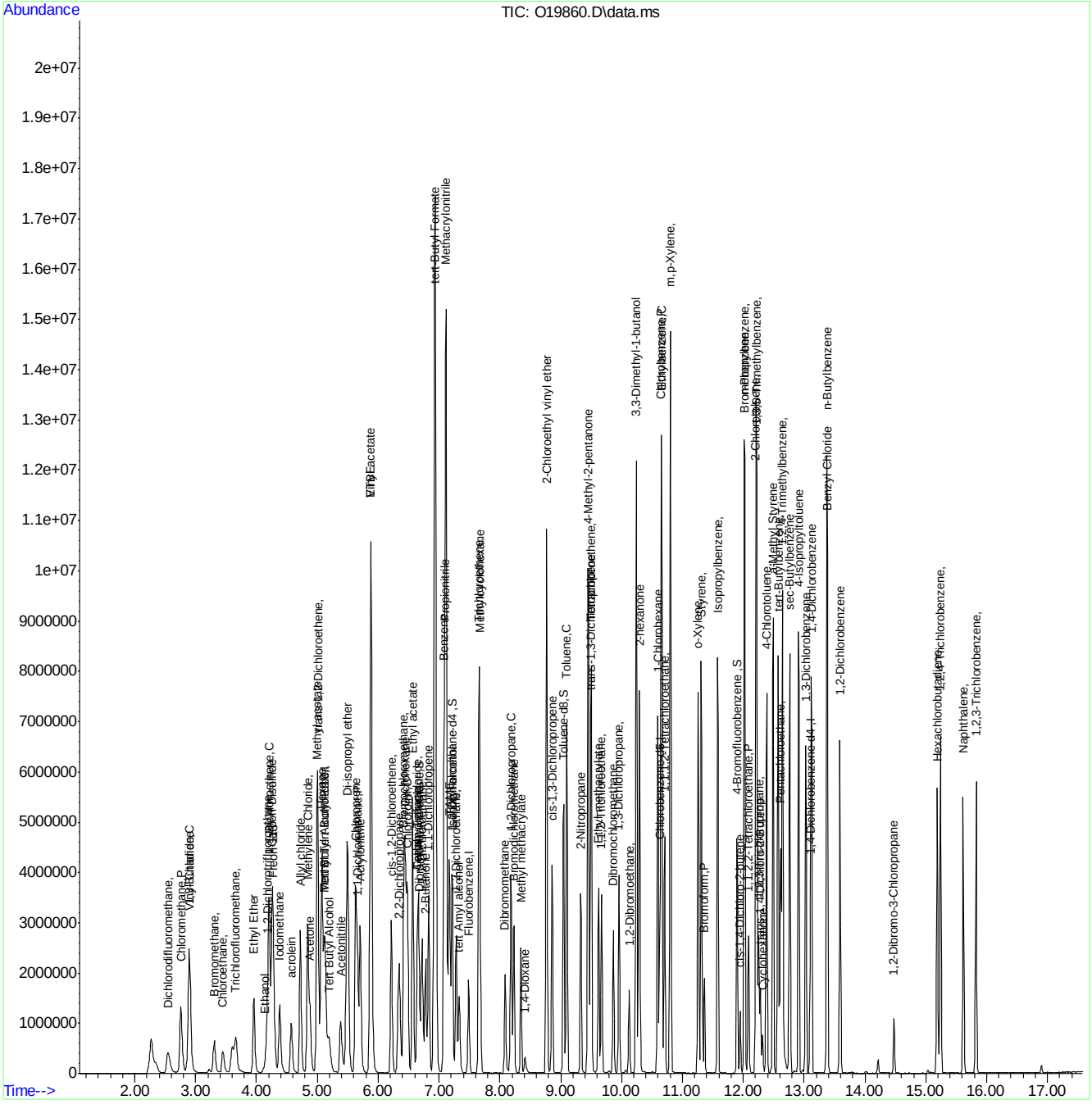
	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
91)	tert-Butylbenzene	12.572	91	2414383	112.72	ug/L		98
92)	1,2,4-Trimethylbenzene	12.646	105	4298955	111.41	ug/L		99
93)	Pentachloroethane	12.615	167	699711	85.27	ug/L		89
94)	sec-Butylbenzene	12.761	105	4878518	114.18	ug/L		98
95)	4-Isopropyltoluene	12.908	119	4075108	115.80	ug/L		97
96)	1,3-Dichlorobenzene	13.030	146	2038583	105.11	ug/L		97
97)	1,4-Dichlorobenzene	13.121	146	2200400	101.79	ug/L		98
98)	n-Butylbenzene	13.377	92	2572586	114.52	ug/L		98
99)	Benzyl Chloride	13.383	126	435285	125.61	ug/L	#	81
100)	1,2-Dichlorobenzene	13.590	146	2010205	105.03	ug/L		98
101)	1,2-Dibromo-3-Chloropr...	14.474	75	229890	118.65	ug/L		95
102)	Hexachlorobutadiene	15.194	225	961333	87.58	ug/L		97
103)	1,2,4-Trichlorobenzene	15.243	180	1648471	97.67	ug/L		98
104)	Naphthalene	15.614	128	3377927	120.19	ug/L		99
105)	1,2,3-Trichlorobenzene	15.828	180	1422101	92.37	ug/L		97
107)	Ethanol	4.141	45	303538	1655.36	ug/L		97
108)	acrolein	4.574	56	1107856	507.08	ug/L		94
109)	Tert Butyl Alcohol	5.190	59	1249385	1036.89	ug/L		88
110)	tert Amyl alcohol	7.330	59	994765	1144.68	ug/L		93
111)	Isobutyl alcohol	7.214	42	709131	1675.23	ug/L		92
112)	1,4-Dioxane	8.415	88	174008	2311.10	ug/L		90
113)	3,3-Dimethyl-1-butanol	10.244	57	5267165	5832.62	ug/L		88

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19860.D
Acq On : 31 Oct 2013 11:11 am
Operator : melissam
Sample : IC791-6
Misc : MS25527,VO791,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 31 11:53:12 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Manual Integration Approval Summary

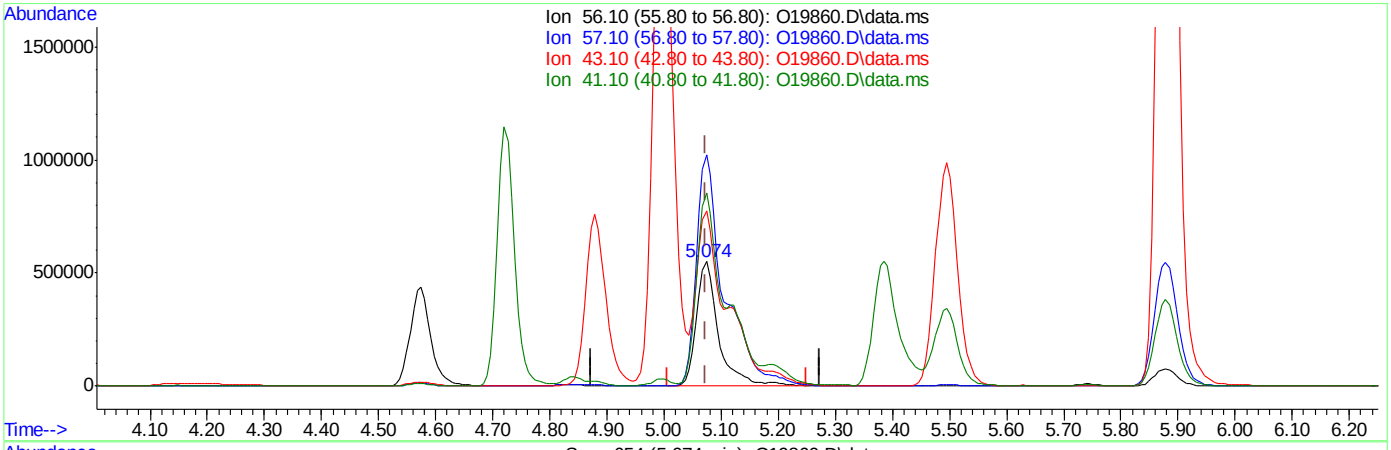
Sample Number:	VO791-IC791	**Method:**	SW846 8260B
Lab FileID:	O19860.D	**Analyst approved:**	11/01/13 12:01 Melissa Mangual
Injection Time:	10/31/13 11:11	**Supervisor approved:**	11/01/13 15:56 Juan Garcia

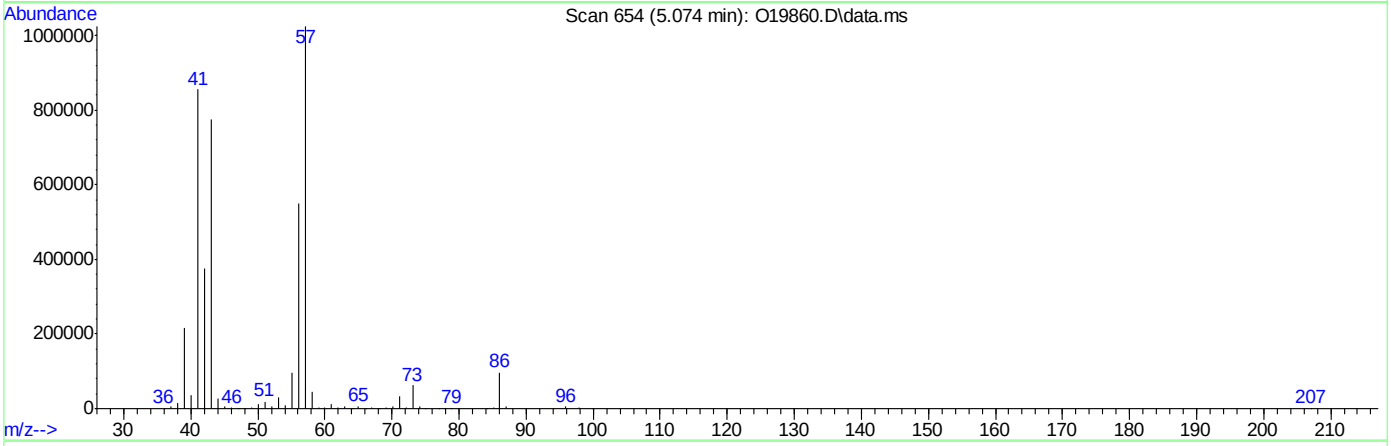
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak
Acetonitrile	75-05-8		5.38	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19860.D
Acq On : 31 Oct 2013 11:11 am
Operator : melissam
Sample : IC791-6
Misc : MS25527,VO791,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 31 11:48:19 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19860.D\data.ms

(20) Hexane

5.074min (-0.000) 135.97ug/L

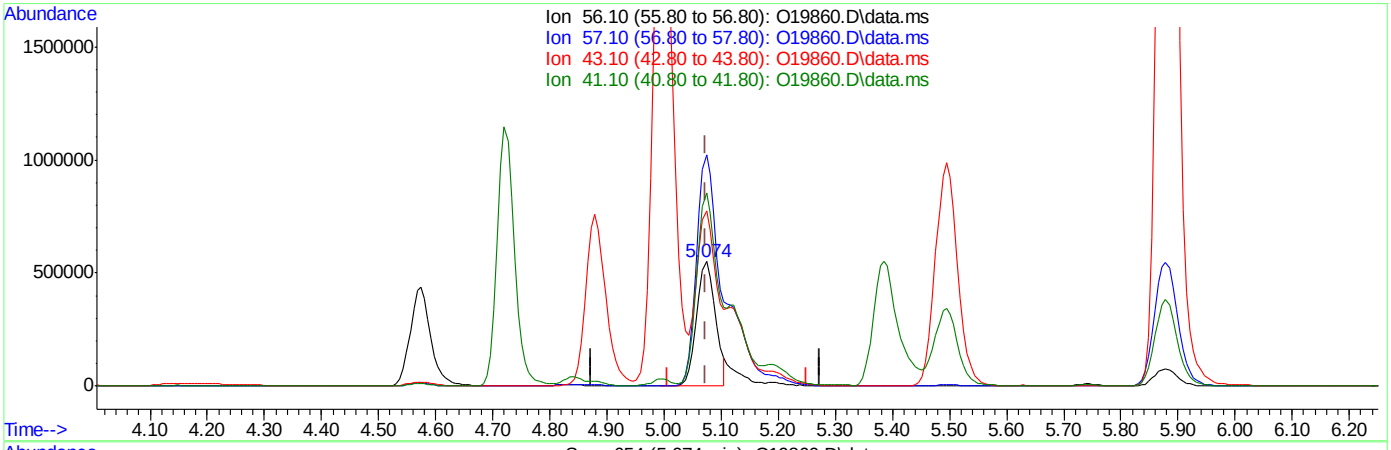
response 1471591

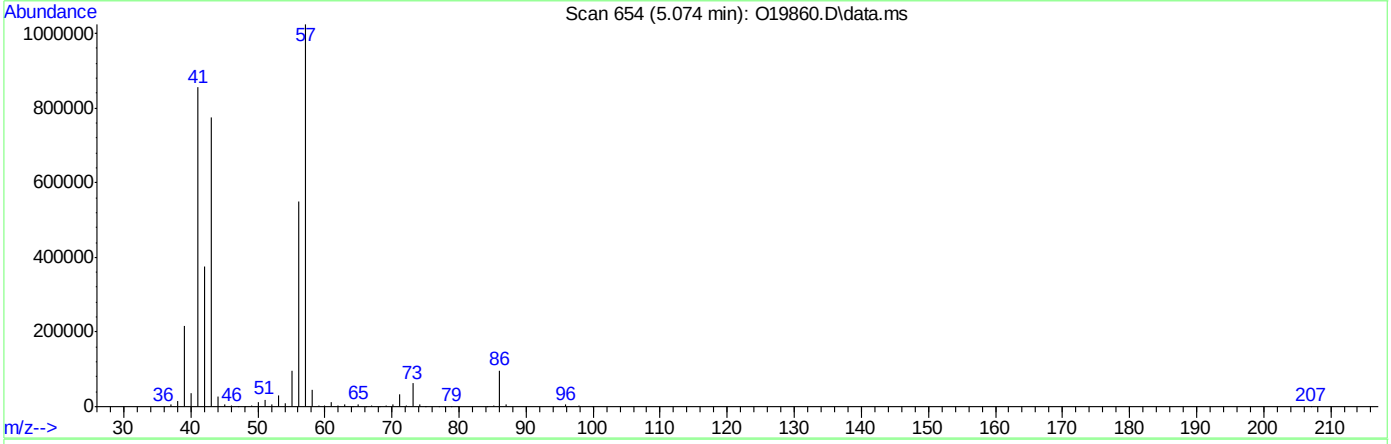
Ion	Exp%	Act%
56.10	100	100
57.10	189.30	186.56
43.10	154.20	139.38
41.10	180.70	153.49#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19860.D
Acq On : 31 Oct 2013 11:11 am
Operator : melissam
Sample : IC791-6
Misc : MS25527,VO791,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 31 11:48:19 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19860.D\data.ms

(20) Hexane

5.074min (-0.000) 115.97ug/L m

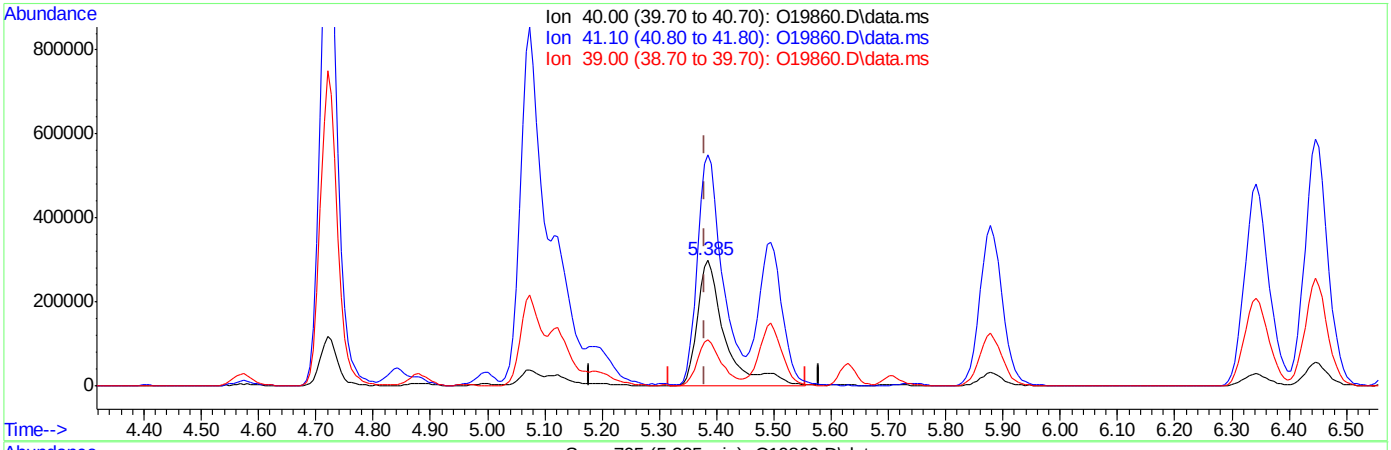
response 1255108

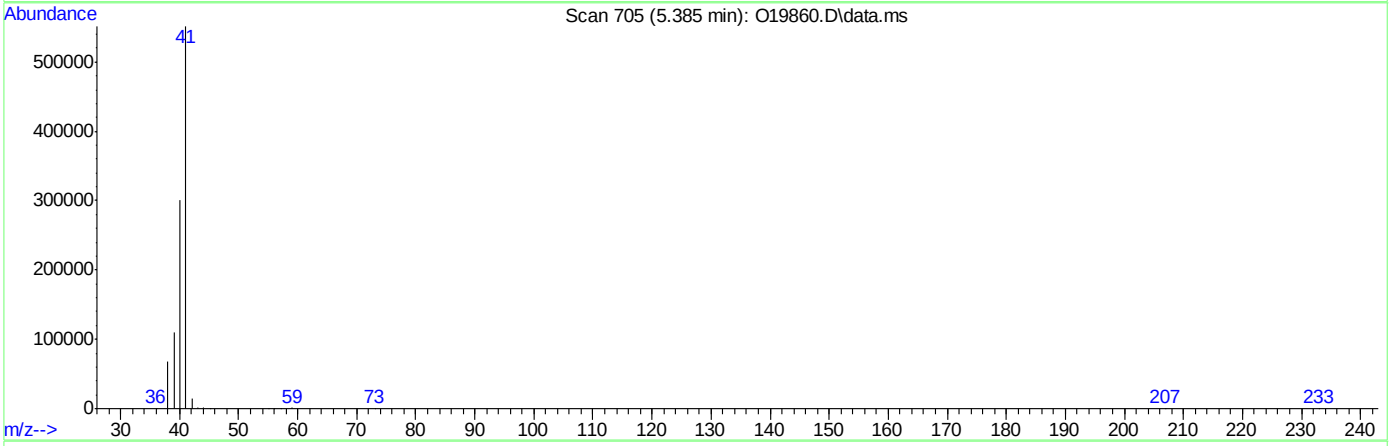
Ion	Exp%	Act%
56.10	100	100
57.10	189.30	186.20
43.10	154.20	140.86
41.10	180.70	155.42#

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19860.D
Acq On : 31 Oct 2013 11:11 am
Operator : melissam
Sample : IC791-6
Misc : MS25527,VO791,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 31 11:48:19 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19860.D\data.ms

(22) Acetonitrile

5.385min (+0.006) 1046.83ug/L

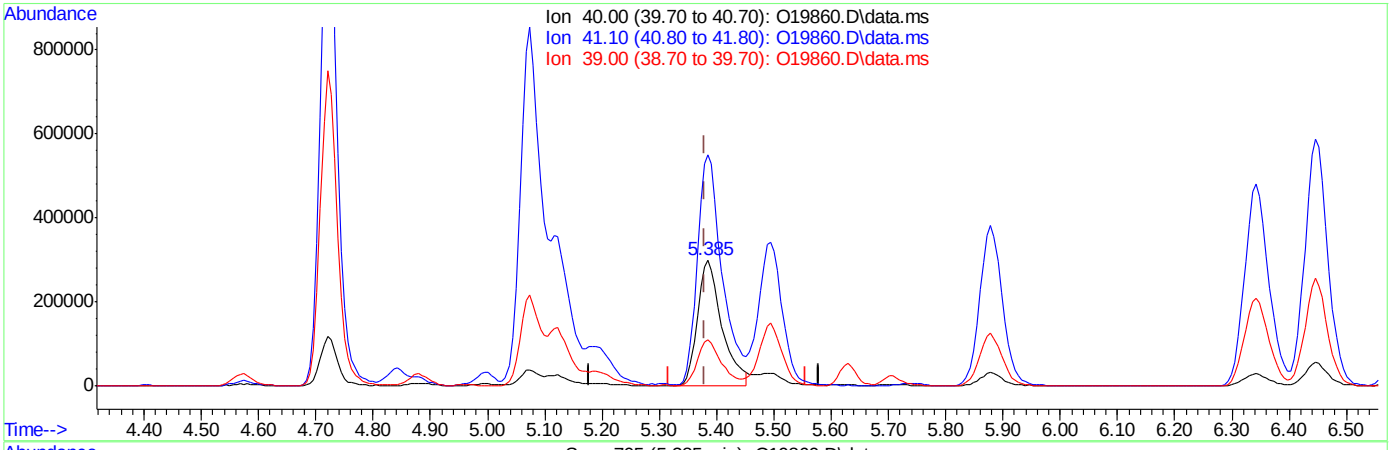
response 996576

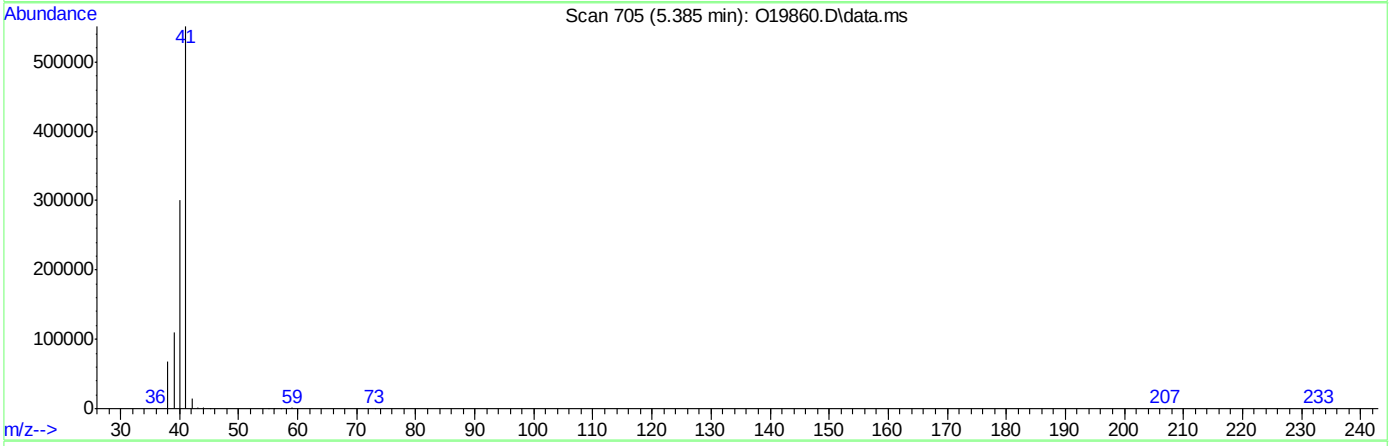
Ion	Exp%	Act%
40.00	100	100
41.10	183.30	182.58
39.00	38.50	36.05
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19860.D
Acq On : 31 Oct 2013 11:11 am
Operator : melissam
Sample : IC791-6
Misc : MS25527,VO791,,,,,
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 31 11:48:19 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Wed Oct 30 12:56:18 2013
Response via : Initial Calibration





TIC: O19860.D\data.ms

(22) Acetonitrile

5.385min (+0.006) 936.50ug/L m

response 891543

Ion	Exp%	Act%
40.00	100	100
41.10	183.30	183.22
39.00	38.50	36.57
0.00	0.00	0.00

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19862.D
Acq On : 31 Oct 2013 12:24 pm
Operator : melissam
Sample : ICV791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 01 10:47:10 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:01:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.482	96	1328178	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	986449	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	544618	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	139014	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	409067	48.81	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 97.62%			
46) 1,2-Dichloroethane-d4	7.214	65	610827	44.50	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 89.00%			
57) Toluene-d8	9.043	98	1275377	50.67	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.34%			
79) 4-Bromofluorobenzene	11.896	95	576162	50.53	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.06%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.544	85	664652	62.42	ug/L	98
3) Chloromethane	2.745	50	1070635	43.86	ug/L	100
4) 1,3-Butadiene	2.879	54	107976	7.39	ug/L	97
5) Vinyl Chloride	2.885	62	597844	44.60	ug/L	97
6) Bromomethane	3.294	94	257111	40.81	ug/L	97
7) Chloroethane	3.452	64	245936	38.93	ug/L	97
8) Trichlorofluoromethane	3.660	101	676671	32.97	ug/L	99
9) Ethyl Ether	3.952	59	448077	38.25	ug/L	98
10) 1,2-Dichlorotrifluoroe...	4.184	67	560298	41.19	ug/L	97
11) 1,1-Dichloroethene	4.202	61	959511	43.58	ug/L	96
12) Freon 113	4.275	101	444758	36.29	ug/L	97
13) Carbon Disulfide	4.257	76	1249136	34.03	ug/L	99
14) Iodomethane	4.379	142	706114	38.30	ug/L	98
15) Allyl chloride	4.720	41	912290	37.69	ug/L	98
16) Methylene Chloride	4.836	49	1104247	42.71	ug/L	99
17) Acetone	4.873	58	232882	234.02	ug/L	91
18) Methyl acetate	4.995	74	240303	161.98	ug/L #	80
19) trans-1,2-Dichloroethene	5.007	61	901947	41.76	ug/L	98
20) Hexane	5.068	56	475301m	36.12	ug/L	
21) Methyl Tert Butyl Ether	5.117	73	1157649	37.99	ug/L	97
22) Acetonitrile	5.379	40	363127	399.08	ug/L	97
23) Di-isopropyl ether	5.488	45	2322624	37.73	ug/L	99
24) Chloroprene	5.629	53	1041035	35.83	ug/L	97
25) 1,1-Dichloroethane	5.653	63	1034350	41.41	ug/L	98
26) Acrylonitrile	5.702	53	1037613	204.91	ug/L	99
27) ETBE	5.873	59	1842219	37.88	ug/L	100
28) Vinyl acetate	5.879	43	5429363	212.26	ug/L	99
29) cis-1,2-Dichloroethene	6.214	96	456470	41.82	ug/L	98
30) 2,2-Dichloropropane	6.342	77	763708	41.13	ug/L	99
31) Bromochloromethane	6.421	128	216553	38.60	ug/L	93
32) Cyclohexane	6.446	56	1102818	40.83	ug/L	97
33) Chloroform	6.476	83	860317	40.17	ug/L	100
34) Ethyl acetate	6.561	43	2563920	187.18	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19862.D
Acq On : 31 Oct 2013 12:24 pm
Operator : melissam
Sample : ICV791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 01 10:47:10 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:01:03 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) Tetrahydrofuran	6.647	42	151494	37.35	ug/L	95
37) Carbon Tetrachloride	6.647	117	717116	37.22	ug/L	99
38) 1,1,1-Trichloroethane	6.714	97	819759	40.93	ug/L	99
39) 2-Butanone	6.775	43	1335538	220.66	ug/L	97
40) 1,1-Dichloropropene	6.824	75	607421	41.98	ug/L	96
41) tert-Butyl Formate	6.927	59	4614699	430.65	ug/L	97
42) Propionitrile	7.086	54	683275	379.29	ug/L	97
43) Methacrylonitrile	7.110	41	3451076	375.55	ug/L	99
44) Benzene	7.080	78	1489903	41.33	ug/L	94
45) TAME	7.165	73	1094603	37.59	ug/L	99
47) 1,2-Dichloroethane	7.281	62	900699	40.34	ug/L	99
48) Trichloroethene	7.653	95	437885	40.30	ug/L	99
49) Methylcyclohexane	7.665	83	666072	35.16	ug/L	99
50) Dibromomethane	8.086	93	290883	42.00	ug/L	97
51) 1,2-Dichloropropane	8.183	63	541081	42.24	ug/L	97
52) Bromodichloromethane	8.226	83	651155	41.25	ug/L	100
53) Methyl methacrylate	8.342	41	508786	40.86	ug/L	98
54) 2-Chloroethyl vinyl ether	8.768	63	1577758	210.53	ug/L	96
55) cis-1,3-Dichloropropene	8.854	75	720557	42.41	ug/L	96
58) Toluene	9.098	91	1652516	40.72	ug/L	99
59) 2-Nitropropane	9.329	41	653806	168.74	ug/L	99
60) 4-Methyl-2-pentanone	9.451	43	2839680	214.80	ug/L	98
61) trans-1,3-Dichloropropene	9.500	75	695669	44.13	ug/L	87
62) Tetrachloroethene	9.494	166	422510	39.63	ug/L	95
63) Ethyl methacrylate	9.622	69	431924	35.21	ug/L	93
64) 1,1,2-Trichloroethane	9.671	83	312346	42.16	ug/L	99
65) Dibromochloromethane	9.866	129	490144	42.38	ug/L	96
66) 1,3-Dichloropropane	9.957	76	642060	42.32	ug/L	95
67) 1,2-Dibromoethane	10.128	107	405052	42.67	ug/L	100
68) 2-hexanone	10.292	43	2042963	215.69	ug/L	96
69) 1-Chlorohexane	10.591	91	556629	35.25	ug/L	97
70) Ethylbenzene	10.658	91	1968285	40.22	ug/L	100
71) Chlorobenzene	10.652	112	1106617	44.13	ug/L	96
72) 1,1,1,2-Tetrachloroethane	10.707	131	453886	41.29	ug/L	99
73) m,p-Xylene	10.805	91	3110757	84.85	ug/L	98
74) o-Xylene	11.256	91	1671139	44.81	ug/L	99
75) Styrene	11.311	104	1224340	41.15	ug/L	99
76) Bromoform	11.359	173	308199	42.80	ug/L	98
77) Isopropylbenzene	11.579	105	2004372	45.16	ug/L	98
80) cis-1,4-Dichloro-2-butene	11.951	53	143113	52.68	ug/L	96
81) n-Propylbenzene	12.018	91	2375918	45.11	ug/L	99
82) Bromobenzene	12.024	156	488726	41.60	ug/L	99
83) 1,1,2,2-Tetrachloroethane	12.085	83	485286	42.00	ug/L	94
84) 1,3,5-Trimethylbenzene	12.219	105	1695075	40.48	ug/L	99
85) 2-Chlorotoluene	12.207	91	1670999	43.64	ug/L	99
86) trans-1,4-Dichloro-2-B...	12.280	53	159025	44.17	ug/L	95
87) 1,2,3-Trichloropropane	12.249	110	143865	41.98	ug/L	97
88) Cyclohexanone	12.316	55	90864	151.33	ug/L	96
89) 4-Chlorotoluene	12.383	91	1603224	45.38	ug/L	99
90) a-Methyl Styrene	12.493	118	7191	0.33	ug/L	94

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19862.D
Acq On : 31 Oct 2013 12:24 pm
Operator : melissam
Sample : ICV791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 01 10:47:10 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:01:03 2013
Response via : Initial Calibration

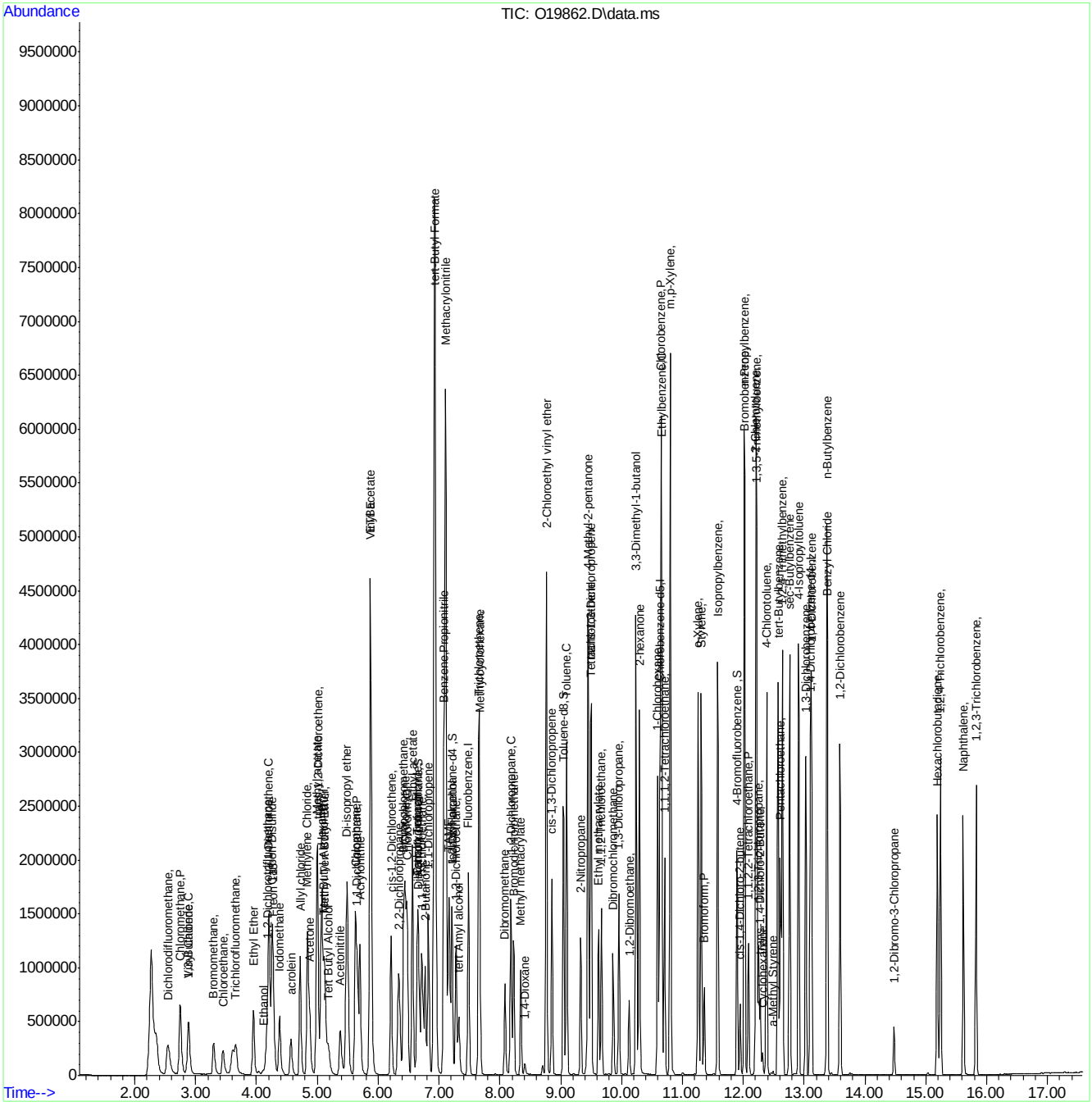
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) tert-Butylbenzene	12.572	91	1071161	43.65 ug/L	99
92) 1,2,4-Trimethylbenzene	12.646	105	1791537	40.87 ug/L	99
93) Pentachloroethane	12.615	167	323355	41.61 ug/L	99
94) sec-Butylbenzene	12.761	105	2247673	44.64 ug/L	100
95) 4-Isopropyltoluene	12.908	119	1831840	42.56 ug/L	100
96) 1,3-Dichlorobenzene	13.030	146	950360	44.30 ug/L	98
97) 1,4-Dichlorobenzene	13.121	146	950462	40.84 ug/L	99
98) n-Butylbenzene	13.377	92	1080437	40.86 ug/L	98
99) Benzyl Chloride	13.383	126	170888	37.68 ug/L	97
100) 1,2-Dichlorobenzene	13.591	146	928041	44.22 ug/L	99
101) 1,2-Dibromo-3-Chloropr...	14.481	75	92603	41.67 ug/L	89
102) Hexachlorobutadiene	15.194	225	404895	40.97 ug/L	92
103) 1,2,4-Trichlorobenzene	15.243	180	713001	41.79 ug/L	99
104) Naphthalene	15.615	128	1467410	41.27 ug/L	99
105) 1,2,3-Trichlorobenzene	15.828	180	644759	41.54 ug/L	99
107) Ethanol	4.117	45	81276	608.60 ug/L	99
108) acrolein	4.568	56	389124	189.49 ug/L	97
109) Tert Butyl Alcohol	5.178	59	433689	365.28 ug/L	98
110) tert Amyl alcohol	7.323	59	340540	378.38 ug/L	98
111) Isobutyl alcohol	7.214	42	241738	717.27 ug/L	94
112) 1,4-Dioxane	8.409	88	51405	650.79 ug/L	100
113) 3,3-Dimethyl-1-butanol	10.238	57	1792138	1895.60 ug/L	96

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19862.D
Acq On : 31 Oct 2013 12:24 pm
Operator : melissam
Sample : ICV791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Nov 01 10:47:10 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:01:03 2013
Response via : Initial Calibration



Manual Integration Approval Summary

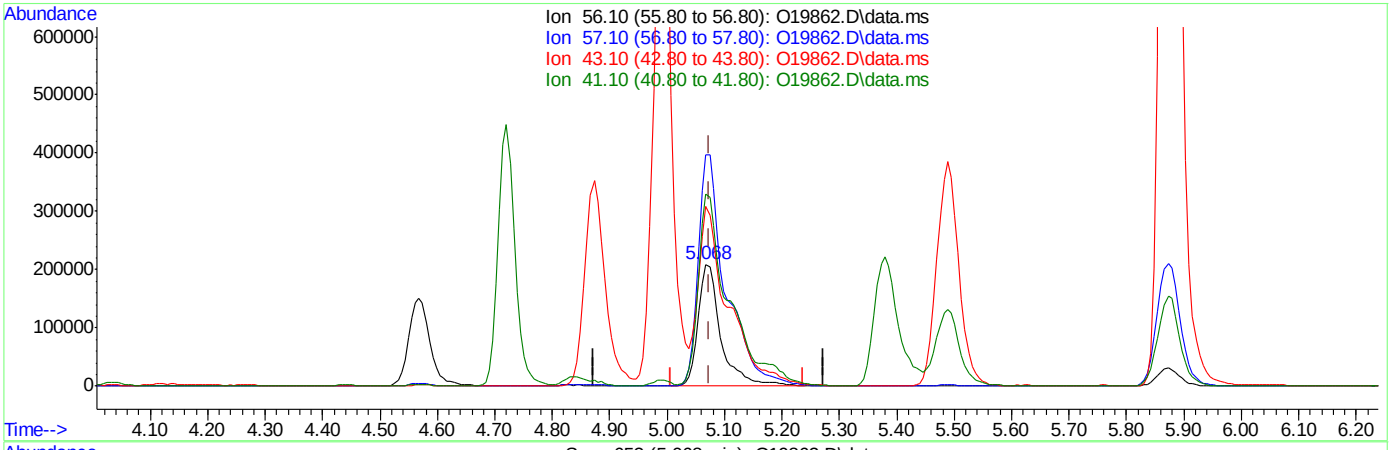
Sample Number:	VO791-ICV791	**Method:**	SW846 8260B
Lab FileID:	O19862.D	**Analyst approved:**	11/01/13 12:01 Melissa Mangual
Injection Time:	10/31/13 12:24	**Supervisor approved:**	11/01/13 15:56 Juan Garcia

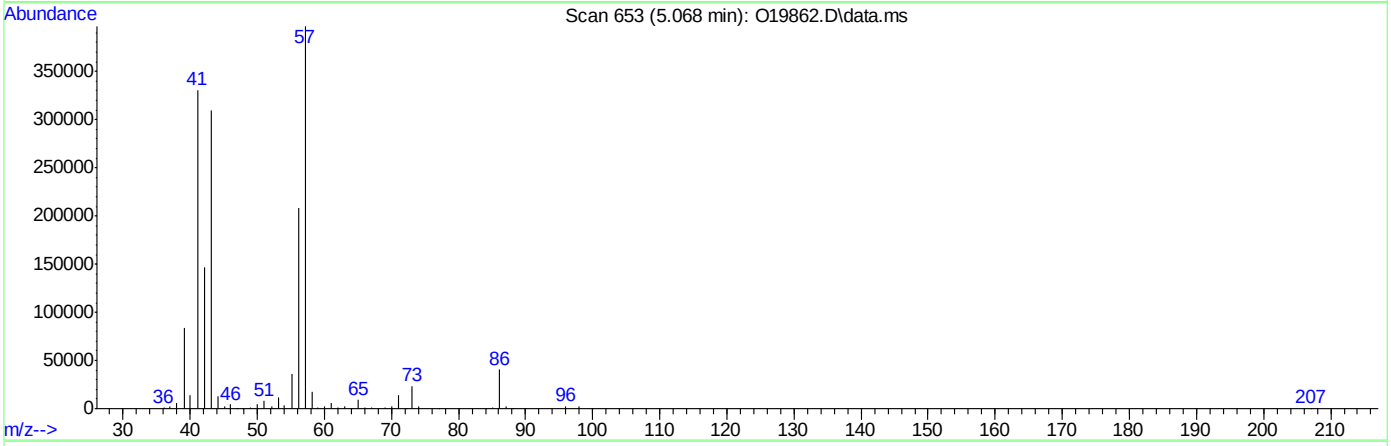
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19862.D
Acq On : 31 Oct 2013 12:24 pm
Operator : melissam
Sample : ICV791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 31 12:53:01 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:01:03 2013
Response via : Initial Calibration





TIC: O19862.D\data.ms

(20) Hexane

5.068min (-0.006) 43.54ug/L

response 572841

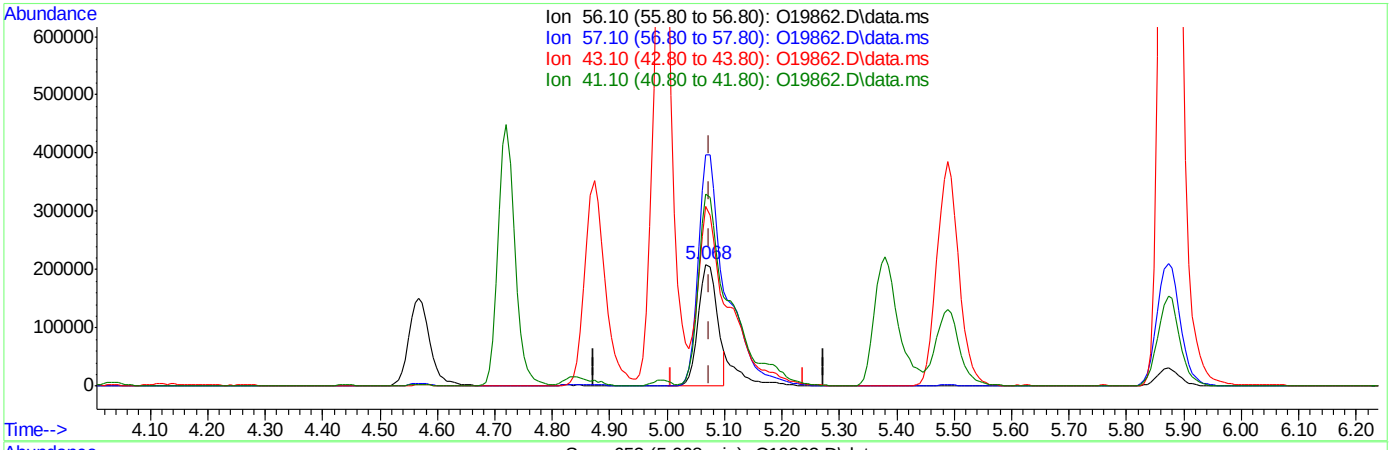
Ion	Exp%	Act%
56.10	100	100
57.10	188.10	190.27
43.10	142.00	146.16
41.10	160.40	155.97

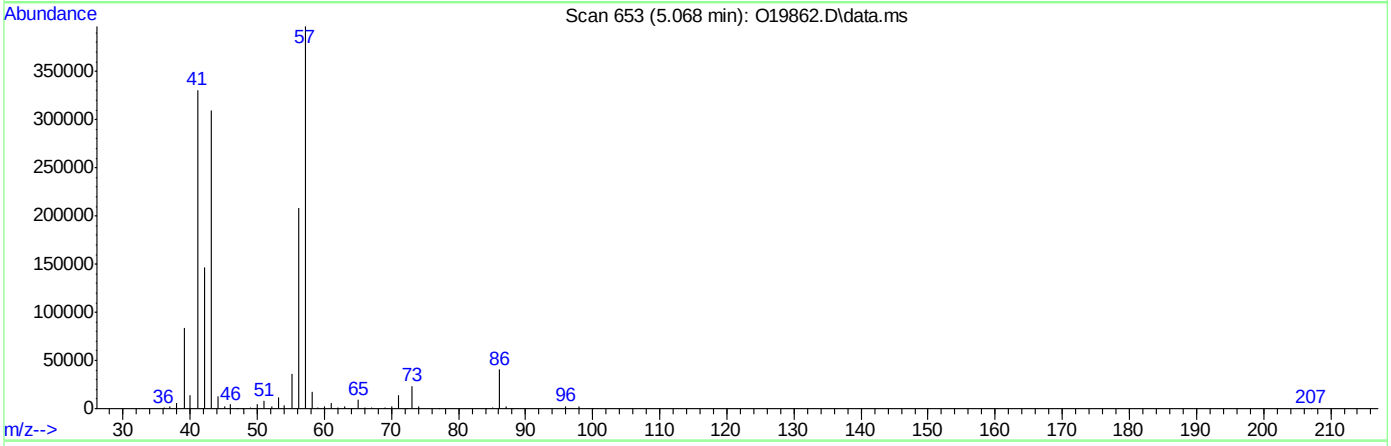
ACCUTEST LABORATORIES FA9297

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19862.D
Acq On : 31 Oct 2013 12:24 pm
Operator : melissam
Sample : ICV791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 31 12:53:01 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:01:03 2013
Response via : Initial Calibration





TIC: O19862.D\data.ms

(20) Hexane

5.068min (-0.006) 36.12ug/L m

response 475301

Ion	Exp%	Act%
56.10	100	100
57.10	188.10	190.01
43.10	142.00	147.99
41.10	160.40	158.29

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/01/13 15:56

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19864.D
Acq On : 31 Oct 2013 1:31 pm
Operator : melissam
Sample : cc791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 10:47:57 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1369091	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	1009975	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	560743	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	152339	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	416334	48.32	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 96.64%			
46) 1,2-Dichloroethane-d4	7.214	65	622588	44.00	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 88.00%			
57) Toluene-d8	9.049	98	1315966	50.97	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 101.94%			
79) 4-Bromofluorobenzene	11.896	95	594334	50.60	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 101.20%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.544	85	437307	39.84	ug/L	95
3) Chloromethane	2.751	50	984593	39.13	ug/L	95
4) 1,3-Butadiene	2.891	54	563541	37.42	ug/L	97
5) Vinyl Chloride	2.885	62	568913	41.17	ug/L	93
6) Bromomethane	3.300	94	259562	39.96	ug/L	99
7) Chloroethane	3.452	64	248346	38.07	ug/L	97
8) Trichlorofluoromethane	3.659	101	756330	36.01	ug/L	99
9) Ethyl Ether	3.952	59	472846	39.16	ug/L	97
10) 1,2-Dichlorotrifluoroe...	4.190	67	547267	39.03	ug/L	99
11) 1,1-Dichloroethene	4.208	61	878670	38.71	ug/L	99
12) Freon 113	4.269	101	498148	39.43	ug/L	98
13) Carbon Disulfide	4.263	76	1442612	38.13	ug/L	97
14) Iodomethane	4.385	142	734152	38.63	ug/L	100
15) Allyl chloride	4.720	41	988955	39.63	ug/L	99
16) Methylene Chloride	4.842	49	1058932	39.74	ug/L	99
17) Acetone	4.873	58	199449	194.43	ug/L	96
18) Methyl acetate	4.995	74	313976	205.31	ug/L #	89
19) trans-1,2-Dichloroethene	5.013	61	860137	38.64	ug/L	99
20) Hexane	5.074	56	537521m	39.63	ug/L	
21) Methyl Tert Butyl Ether	5.116	73	1258654	40.07	ug/L	96
22) Acetonitrile	5.385	40	374581	399.37	ug/L	98
23) Di-isopropyl ether	5.494	45	2454793	38.68	ug/L	98
24) Chloroprene	5.629	53	1088678	36.37	ug/L	98
25) 1,1-Dichloroethane	5.659	63	997742	38.76	ug/L	99
26) Acrylonitrile	5.702	53	1055931	202.29	ug/L	100
27) ETBE	5.872	59	2022400	40.34	ug/L	99
28) Vinyl acetate	5.878	43	5318633	201.72	ug/L	99
29) cis-1,2-Dichloroethene	6.214	96	438403	38.97	ug/L	99
30) 2,2-Dichloropropane	6.342	77	716968	37.46	ug/L	99
31) Bromochloromethane	6.421	128	230559	39.86	ug/L	98
32) Cyclohexane	6.445	56	1142120	41.02	ug/L	98
33) Chloroform	6.482	83	837191	37.92	ug/L	97
34) Ethyl acetate	6.567	43	2796647	198.07	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19864.D
Acq On : 31 Oct 2013 1:31 pm
Operator : melissam
Sample : cc791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 10:47:57 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
35) Tetrahydrofuran	6.647	42	156747	37.49	ug/L	99
37) Carbon Tetrachloride	6.653	117	698589	35.08	ug/L	99
38) 1,1,1-Trichloroethane	6.720	97	793380	38.43	ug/L	99
39) 2-Butanone	6.775	43	1222932	196.02	ug/L	100
40) 1,1-Dichloropropene	6.830	75	559704	37.53	ug/L	96
41) tert-Butyl Formate	6.933	59	4487119	406.23	ug/L	97
42) Propionitrile	7.092	54	753530	405.79	ug/L	98
43) Methacrylonitrile	7.110	41	3716423	392.34	ug/L	99
44) Benzene	7.086	78	1439838	38.75	ug/L	100
45) TAME	7.165	73	1214589	40.46	ug/L	98
47) 1,2-Dichloroethane	7.281	62	858434	37.30	ug/L	98
48) Trichloroethene	7.653	95	421790	37.66	ug/L	98
49) Methylcyclohexane	7.665	83	724181	37.19	ug/L	98
50) Dibromomethane	8.085	93	279454	39.14	ug/L	99
51) 1,2-Dichloropropane	8.183	63	515933	39.08	ug/L	97
52) Bromodichloromethane	8.232	83	626939	38.52	ug/L	98
53) Methyl methacrylate	8.348	41	525364	40.93	ug/L	100
54) 2-Chloroethyl vinyl ether	8.768	63	1633704	211.48	ug/L	95
55) cis-1,3-Dichloropropene	8.854	75	700380	39.99	ug/L	100
58) Toluene	9.097	91	1607076	38.67	ug/L	100
59) 2-Nitropropane	9.329	41	740181	186.58	ug/L	99
60) 4-Methyl-2-pentanone	9.451	43	2796277	206.59	ug/L	98
61) trans-1,3-Dichloropropene	9.500	75	620949	38.47	ug/L	96
62) Tetrachloroethene	9.494	166	407928	37.37	ug/L	95
63) Ethyl methacrylate	9.622	69	495113	39.42	ug/L	96
64) 1,1,2-Trichloroethane	9.670	83	304742	40.18	ug/L	99
65) Dibromochloromethane	9.866	129	469956	39.69	ug/L	99
66) 1,3-Dichloropropane	9.957	76	612503	39.43	ug/L	98
67) 1,2-Dibromoethane	10.128	107	385732	39.69	ug/L	100
68) 2-hexanone	10.292	43	2007071	206.97	ug/L	97
69) 1-Chlorohexane	10.591	91	611362	37.81	ug/L	98
70) Ethylbenzene	10.658	91	1913126	38.19	ug/L	99
71) Chlorobenzene	10.652	112	1000303	38.96	ug/L	95
72) 1,1,1,2-Tetrachloroethane	10.707	131	433055	38.48	ug/L	98
73) m,p-Xylene	10.804	91	2935280	78.20	ug/L	99
74) o-Xylene	11.256	91	1512507	39.61	ug/L	99
75) Styrene	11.310	104	1198419	39.34	ug/L	98
76) Bromoform	11.359	173	301903	40.95	ug/L	98
77) Isopropylbenzene	11.579	105	1812439	39.88	ug/L	98
80) cis-1,4-Dichloro-2-butene	11.950	53	140131	50.37	ug/L	95
81) n-Propylbenzene	12.018	91	2161628	39.86	ug/L	100
82) Bromobenzene	12.024	156	474575	39.23	ug/L	96
83) 1,1,2,2-Tetrachloroethane	12.085	83	476553	40.06	ug/L	93
84) 1,3,5-Trimethylbenzene	12.219	105	1720823	39.91	ug/L	99
85) 2-Chlorotoluene	12.207	91	1543206	39.15	ug/L	99
86) trans-1,4-Dichloro-2-B...	12.280	53	173709	46.62	ug/L	97
87) 1,2,3-Trichloropropane	12.249	110	143773	40.75	ug/L	97
88) Cyclohexanone	12.316	55	101879	164.01	ug/L	96
89) 4-Chlorotoluene	12.383	91	1425777	39.20	ug/L	100
90) a-Methyl Styrene	12.493	118	896761	40.29	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19864.D
Acq On : 31 Oct 2013 1:31 pm
Operator : melissam
Sample : cc791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 10:47:57 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

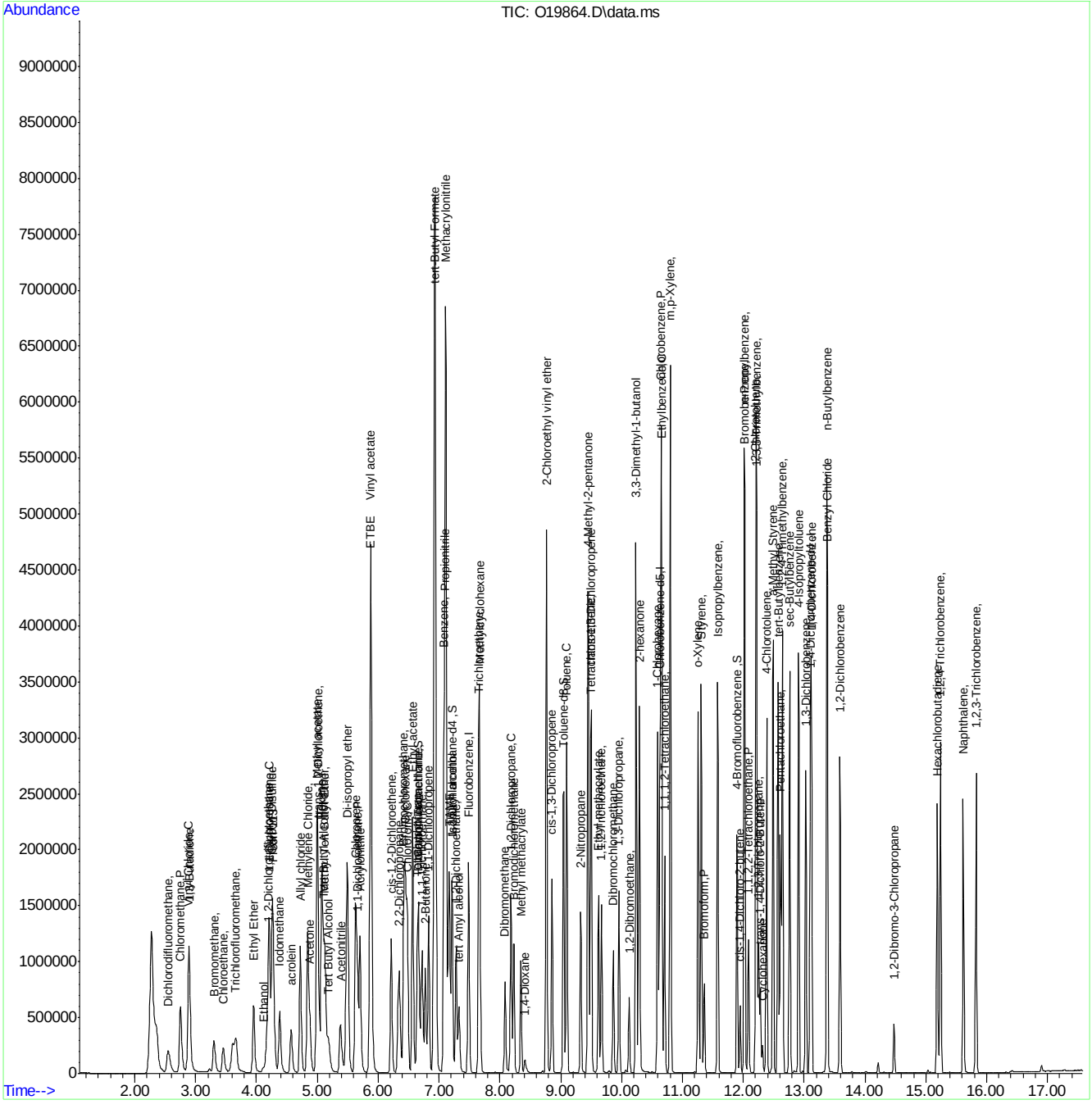
Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
91) tert-Butylbenzene	12.572	91	994484	39.36 ug/L	99
92) 1,2,4-Trimethylbenzene	12.645	105	1793565	39.74 ug/L	98
93) Pentachloroethane	12.615	167	347453	43.42 ug/L	93
94) sec-Butylbenzene	12.761	105	2060956	39.76 ug/L	99
95) 4-Isopropyltoluene	12.908	119	1707089	38.52 ug/L	99
96) 1,3-Dichlorobenzene	13.030	146	861708	39.01 ug/L	99
97) 1,4-Dichlorobenzene	13.121	146	935203	39.03 ug/L	99
98) n-Butylbenzene	13.377	92	1099494	40.38 ug/L	99
99) Benzyl Chloride	13.383	126	190977	40.90 ug/L	97
100) 1,2-Dichlorobenzene	13.590	146	846205	39.16 ug/L	100
101) 1,2-Dibromo-3-Chloropr...	14.480	75	91790	40.12 ug/L	89
102) Hexachlorobutadiene	15.194	225	402095	39.52 ug/L	93
103) 1,2,4-Trichlorobenzene	15.243	180	718371	40.89 ug/L	98
104) Naphthalene	15.614	128	1501182	41.01 ug/L	99
105) 1,2,3-Trichlorobenzene	15.828	180	649270	40.63 ug/L	99
107) Ethanol	4.123	45	104660	713.45 ug/L	93
108) acrolein	4.568	56	452064	200.88 ug/L	99
109) Tert Butyl Alcohol	5.184	59	477147	366.73 ug/L	98
110) tert Amyl alcohol	7.323	59	387800	393.20 ug/L	96
111) Isobutyl alcohol	7.214	42	288716	781.73 ug/L	97
112) 1,4-Dioxane	8.415	88	63620	734.98 ug/L	96
113) 3,3-Dimethyl-1-butanol	10.237	57	2018715	1948.48 ug/L	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\103113\
Data File : O19864.D
Acq On : 31 Oct 2013 1:31 pm
Operator : melissam
Sample : cc791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 01 10:47:57 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration



ACCUTEST LABORATORIES FA9297

Manual Integration Approval Summary

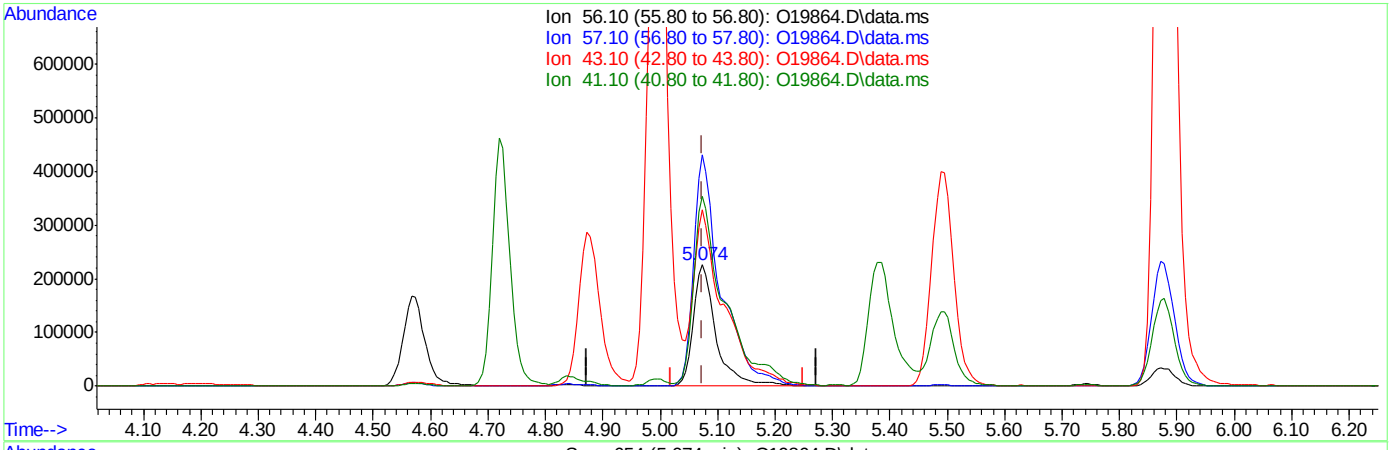
Sample Number:	VO791-CC791	**Method:**	SW846 8260B
Lab FileID:	O19864.D	**Analyst approved:**	11/01/13 12:01 Melissa Mangual
Injection Time:	10/31/13 13:31	**Supervisor approved:**	11/01/13 15:56 Juan Garcia

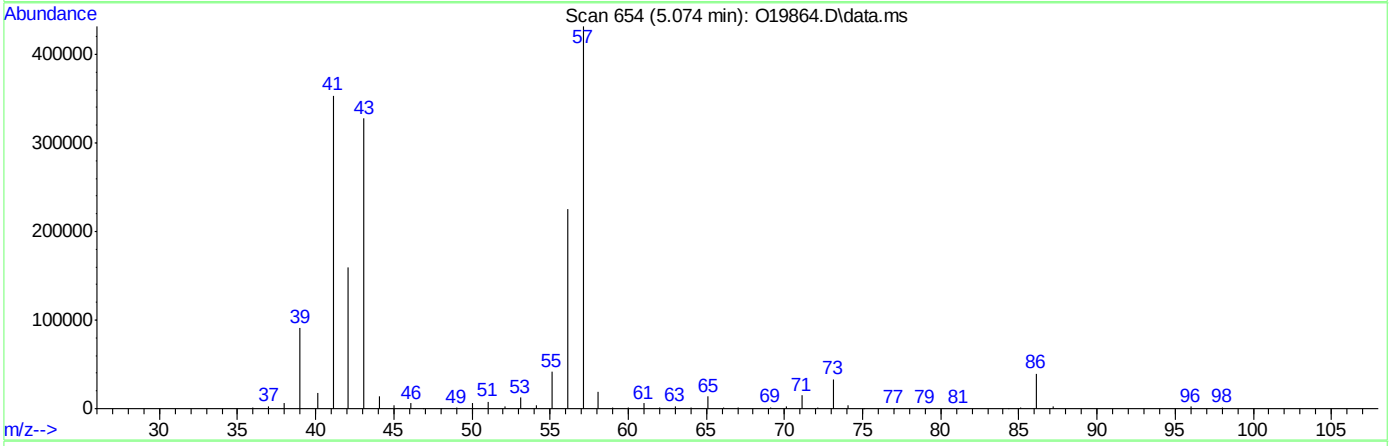
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19864.D
Acq On : 31 Oct 2013 1:31 pm
Operator : melissam
Sample : cc791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 13:52:35 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19864.D\data.ms

(20) Hexane

5.074min (+0.000) 45.56ug/L

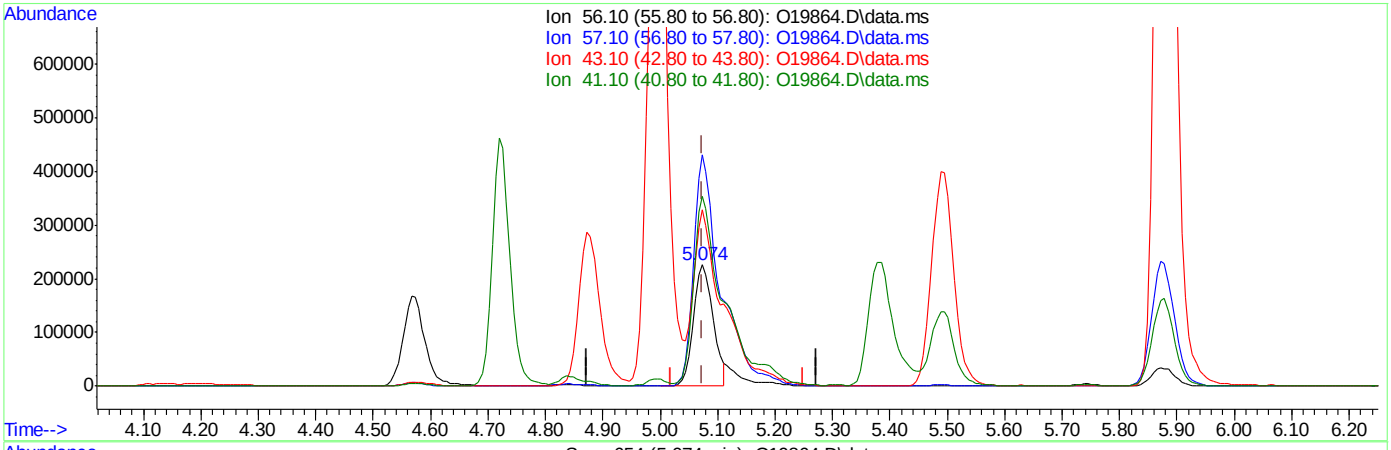
response 617953

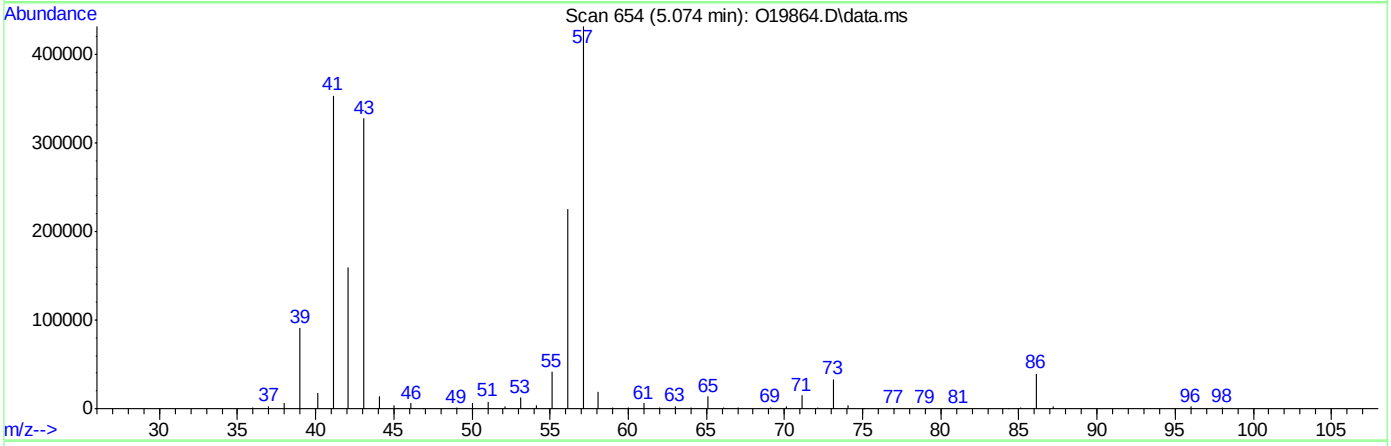
Ion	Exp%	Act%
56.10	100	100
57.10	188.10	191.65
43.10	142.00	144.58
41.10	160.40	155.32

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\103113\
Data File : O19864.D
Acq On : 31 Oct 2013 1:31 pm
Operator : melissam
Sample : cc791-4
Misc : MS25527,VO791,,,,,
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Oct 31 13:52:35 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19864.D\data.ms

(20) Hexane

5.074min (+0.000) 39.63ug/L m

response 537521

Ion	Exp%	Act%
56.10	100	100
57.10	188.10	191.56
43.10	142.00	145.47
41.10	160.40	156.86

Manual Integrations APPROVED (compounds with "m" flag)
Juan Garcia
11/04/13 11:16

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19893.D
Acq On : 1 Nov 2013 8:58 am
Operator : melissam
Sample : CC791-4A
Misc : MS25564,VO792,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 07:36:48 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	7.488	96	1121317	50.00	ug/L	0.00
56) Chlorobenzene-d5	10.634	117	839599	50.00	ug/L	0.00
78) 1,4-Dichlorobenzene-d4	13.103	152	472743	50.00	ug/L	0.00
106) Tert Butyl Alcohol-d10	5.104	65	123863	250.00	ug/L	0.00
System Monitoring Compounds						
36) Dibromofluoromethane	6.665	113	348816	49.20	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 98.40%			
46) 1,2-Dichloroethane-d4	7.214	65	537895	46.41	ug/L	0.00
Spiked Amount 50.000	Range 79 - 125		Recovery = 92.82%			
57) Toluene-d8	9.049	98	1069866	50.11	ug/L	0.00
Spiked Amount 50.000	Range 85 - 112		Recovery = 100.22%			
79) 4-Bromofluorobenzene	11.896	95	499479	50.48	ug/L	0.00
Spiked Amount 50.000	Range 83 - 118		Recovery = 100.96%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.550	85	358106	39.83	ug/L	99
3) Chloromethane	2.757	50	799324	38.78	ug/L	98
4) 1,3-Butadiene	2.897	54	455392	36.93	ug/L	100
5) Vinyl Chloride	2.891	62	438734	38.77	ug/L	100
6) Bromomethane	3.306	94	210221	39.52	ug/L	96
7) Chloroethane	3.458	64	197859	36.93	ug/L	97
8) Trichlorofluoromethane	3.665	101	655567	38.32	ug/L	100
9) Ethyl Ether	3.952	59	397992	40.25	ug/L	96
10) 1,2-Dichlorotrifluoroe...	4.190	67	458815	39.95	ug/L	97
11) 1,1-Dichloroethene	4.208	61	755393	40.64	ug/L	98
12) Freon 113	4.275	101	420284	40.61	ug/L	98
13) Carbon Disulfide	4.263	76	1184797	38.23	ug/L	98
14) Iodomethane	4.385	142	623720	40.07	ug/L	96
15) Allyl chloride	4.726	41	851622	41.67	ug/L	100
16) Methylene Chloride	4.842	49	906074	41.51	ug/L	98
17) Acetone	4.879	58	167255	199.07	ug/L #	86
18) Methyl acetate	4.994	74	256357	204.68	ug/L	96
19) trans-1,2-Dichloroethene	5.013	61	737974	40.47	ug/L	99
20) Hexane	5.074	56	440974m	39.70	ug/L	
21) Methyl Tert Butyl Ether	5.123	73	1064522	41.38	ug/L	99
22) Acetonitrile	5.385	40	330854	430.69	ug/L	97
23) Di-isopropyl ether	5.494	45	2150189	41.37	ug/L	100
24) Chloroprene	5.629	53	939032	38.39	ug/L	98
25) 1,1-Dichloroethane	5.659	63	852729	40.44	ug/L	100
26) Acrylonitrile	5.702	53	883998	206.77	ug/L	98
27) ETBE	5.872	59	1737611	42.32	ug/L	98
28) Vinyl acetate	5.878	43	4673791	216.43	ug/L	100
29) cis-1,2-Dichloroethene	6.214	96	370191	40.17	ug/L	98
30) 2,2-Dichloropropane	6.342	77	645728	41.19	ug/L	98
31) Bromochloromethane	6.421	128	196501	41.48	ug/L	96
32) Cyclohexane	6.452	56	936207	41.06	ug/L	98
33) Chloroform	6.482	83	733900	40.59	ug/L	99
34) Ethyl acetate	6.567	43	2432442	210.34	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19893.D
Acq On : 1 Nov 2013 8:58 am
Operator : melissam
Sample : CC791-4A
Misc : MS25564,VO792,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 07:36:48 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
35) Tetrahydrofuran	6.647	42	133890	39.10 ug/L	98
37) Carbon Tetrachloride	6.653	117	625957	38.55 ug/L	99
38) 1,1,1-Trichloroethane	6.720	97	708638	41.91 ug/L	100
39) 2-Butanone	6.775	43	1079403	211.24 ug/L	99
40) 1,1-Dichloropropene	6.830	75	484972	39.70 ug/L	99
41) tert-Butyl Formate	6.933	59	3839940	424.46 ug/L	97
42) Propionitrile	7.092	54	626000	411.61 ug/L	99
43) Methacrylonitrile	7.110	41	3211032	413.90 ug/L	99
44) Benzene	7.086	78	1200513	39.45 ug/L	94
45) TAME	7.165	73	1024810	41.68 ug/L	96
47) 1,2-Dichloroethane	7.281	62	786923	41.75 ug/L	99
48) Trichloroethene	7.652	95	366197	39.92 ug/L	98
49) Methylcyclohexane	7.665	83	588921	36.91 ug/L	98
50) Dibromomethane	8.085	93	243599	41.66 ug/L	96
51) 1,2-Dichloropropane	8.183	63	434538	40.18 ug/L	98
52) Bromodichloromethane	8.226	83	555500	41.68 ug/L	98
53) Methyl methacrylate	8.348	41	444529	42.29 ug/L	97
54) 2-Chloroethyl vinyl ether	8.768	63	1358786	214.76 ug/L	99
55) cis-1,3-Dichloropropene	8.854	75	604877	42.17 ug/L	97
58) Toluene	9.097	91	1368039	39.60 ug/L	99
59) 2-Nitropropane	9.329	41	681388	206.61 ug/L	99
60) 4-Methyl-2-pentanone	9.451	43	2426696	215.67 ug/L	99
61) trans-1,3-Dichloropropene	9.500	75	551924	41.14 ug/L	99
62) Tetrachloroethene	9.500	166	354276	39.05 ug/L	94
63) Ethyl methacrylate	9.622	69	400662	38.37 ug/L	100
64) 1,1,2-Trichloroethane	9.670	83	257572	40.85 ug/L	97
65) Dibromochloromethane	9.865	129	413742	42.03 ug/L	99
66) 1,3-Dichloropropane	9.957	76	528624	40.94 ug/L	98
67) 1,2-Dibromoethane	10.128	107	328834	40.70 ug/L	98
68) 2-hexanone	10.292	43	1758193	218.09 ug/L	99
69) 1-Chlorohexane	10.591	91	526550	39.18 ug/L	97
70) Ethylbenzene	10.658	91	1669258	40.08 ug/L	99
71) Chlorobenzene	10.652	112	860321	40.31 ug/L	98
72) 1,1,1,2-Tetrachloroethane	10.707	131	382542	40.89 ug/L	99
73) m,p-Xylene	10.804	91	2552594	81.80 ug/L	100
74) o-Xylene	11.255	91	1306216	41.15 ug/L	99
75) Styrene	11.310	104	1032153	40.76 ug/L	99
76) Bromoform	11.359	173	262460	42.83 ug/L	99
77) Isopropylbenzene	11.579	105	1578960	41.80 ug/L	99
80) cis-1,4-Dichloro-2-butene	11.950	53	109609	47.09 ug/L	98
81) n-Propylbenzene	12.018	91	1864242	40.78 ug/L	100
82) Bromobenzene	12.024	156	409832	40.18 ug/L	98
83) 1,1,2,2-Tetrachloroethane	12.085	83	398311	39.71 ug/L	94
84) 1,3,5-Trimethylbenzene	12.219	105	1507319	41.46 ug/L	98
85) 2-Chlorotoluene	12.207	91	1363413	41.02 ug/L	99
86) trans-1,4-Dichloro-2-B...	12.280	53	141970	45.32 ug/L	99
87) 1,2,3-Trichloropropane	12.255	110	120932	40.66 ug/L	95
88) Cyclohexanone	12.316	55	108607	204.28 ug/L	95
89) 4-Chlorotoluene	12.383	91	1265489	41.27 ug/L	99
90) a-Methyl Styrene	12.493	118	755690	40.27 ug/L	99

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19893.D
Acq On : 1 Nov 2013 8:58 am
Operator : melissam
Sample : CC791-4A
Misc : MS25564,VO792,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 07:36:48 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration

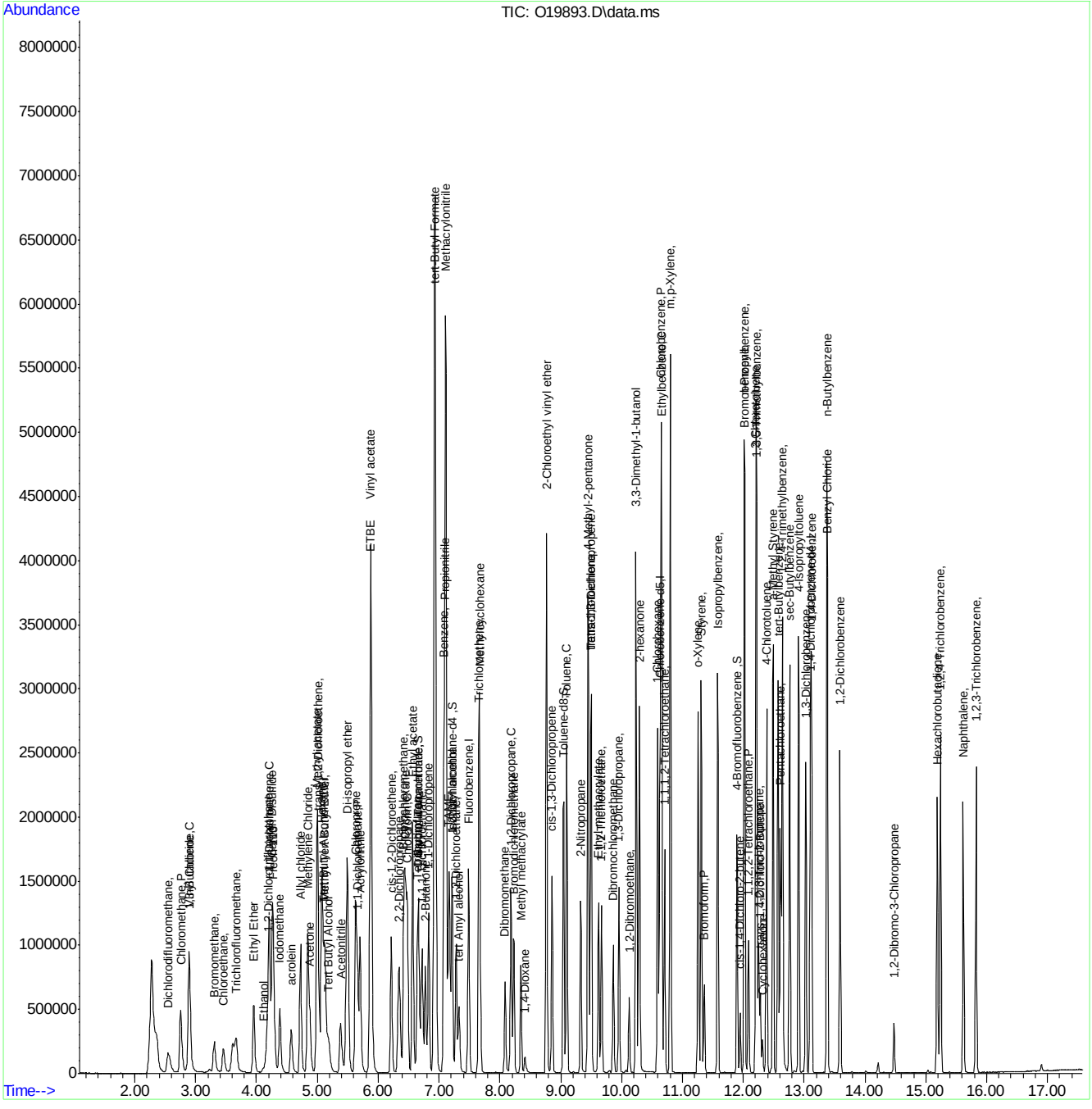
	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
91)	tert-Butylbenzene	12.572	91	886300	41.61	ug/L	99
92)	1,2,4-Trimethylbenzene	12.645	105	1584667	41.65	ug/L	97
93)	Pentachloroethane	12.615	167	299368	44.38	ug/L	98
94)	sec-Butylbenzene	12.761	105	1810666	41.43	ug/L	100
95)	4-Isopropyltoluene	12.908	119	1502194	40.20	ug/L	99
96)	1,3-Dichlorobenzene	13.030	146	757965	40.70	ug/L	99
97)	1,4-Dichlorobenzene	13.121	146	818772	40.53	ug/L	99
98)	n-Butylbenzene	13.377	92	960733	41.86	ug/L	99
99)	Benzyl Chloride	13.383	126	161338	40.99	ug/L	96
100)	1,2-Dichlorobenzene	13.590	146	742266	40.75	ug/L	98
101)	1,2-Dibromo-3-Chloropr...	14.480	75	82352	42.69	ug/L	90
102)	Hexachlorobutadiene	15.194	225	358537	41.80	ug/L	95
103)	1,2,4-Trichlorobenzene	15.242	180	628527	42.44	ug/L	98
104)	Naphthalene	15.614	128	1274810	41.31	ug/L	100
105)	1,2,3-Trichlorobenzene	15.828	180	563687	41.84	ug/L	98
107)	Ethanol	4.129	45	97919	818.99	ug/L	93
108)	acrolein	4.574	56	371161	202.85	ug/L	97
109)	Tert Butyl Alcohol	5.177	59	414392	391.72	ug/L	92
110)	tert Amyl alcohol	7.329	59	326389	407.02	ug/L	99
111)	Isobutyl alcohol	7.214	42	251120	836.25	ug/L	96
112)	1,4-Dioxane	8.415	88	61406	872.49	ug/L	98
113)	3,3-Dimethyl-1-butanol	10.237	57	1670496	1983.07	ug/L	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : C:\msdchem\1\data\110113\
Data File : O19893.D
Acq On : 1 Nov 2013 8:58 am
Operator : melissam
Sample : CC791-4A
Misc : MS25564,VO792,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 04 07:36:48 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration


Abundance
TIC: O19893.D\data.ms
Time-->
Dichlorodifluoromethane,
Chloromethane,P
Bromomethane,
Chloroethane,
Trichlorofluoromethane,
Ethyl Ether
Ethanol
Iodomethane
acrolein
Acetone
Allyl chloride
Methylene Chloride,
Tert Butyl Alcohol
Acetonitrile
Dichlorodifluoromethane
Dimethyl ether
Dimethylpentane
Dimethylbutane
Dimethylbutane
Dimethylpentane
Dimethylpentane
Dimethylpent

Manual Integration Approval Summary

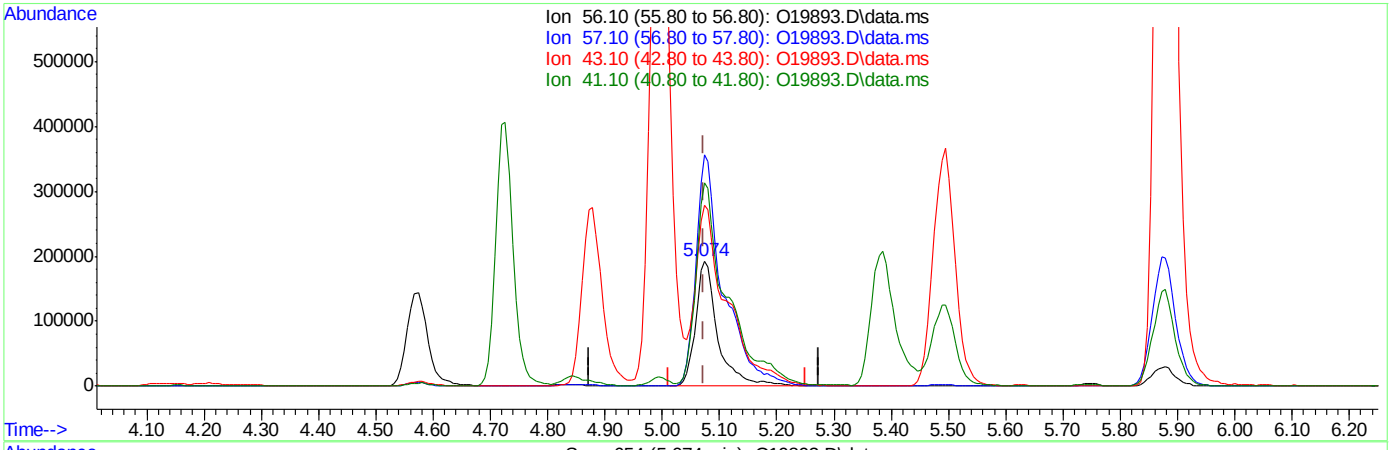
Sample Number:	VO792-CC791	**Method:**	SW846 8260B
Lab FileID:	O19893.D	**Analyst approved:**	11/04/13 09:31 Melissa Mangual
Injection Time:	11/01/13 08:58	**Supervisor approved:**	11/04/13 11:16 Juan Garcia

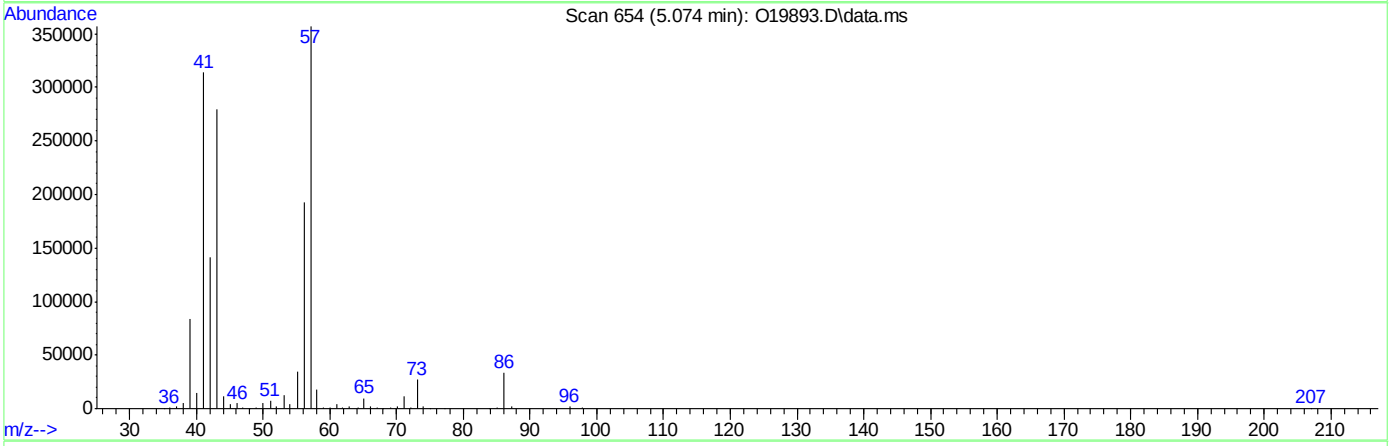
Parameter	CAS	Sig#	R.T. (min.)	Reason
Hexane	110-54-3		5.07	Overlapping peak

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\110113\
Data File : O19893.D
Acq On : 1 Nov 2013 8:58 am
Operator : melissam
Sample : CC791-4
Misc : MS25564,VO792,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 08:16:18 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19893.D\data.ms

(20) Hexane

5.074min (+0.000) 47.13ug/L

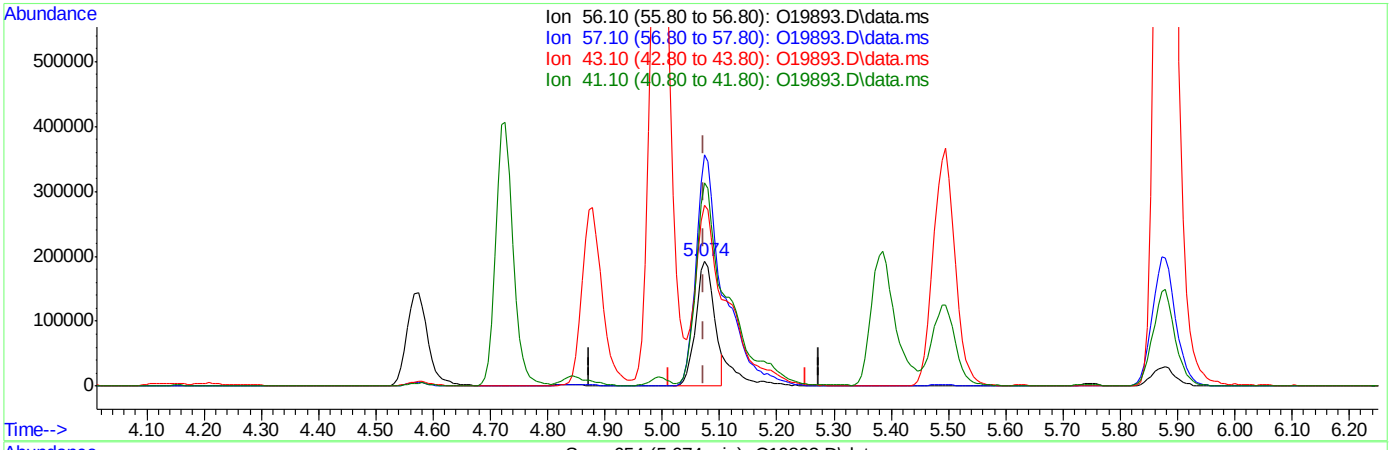
response 523512

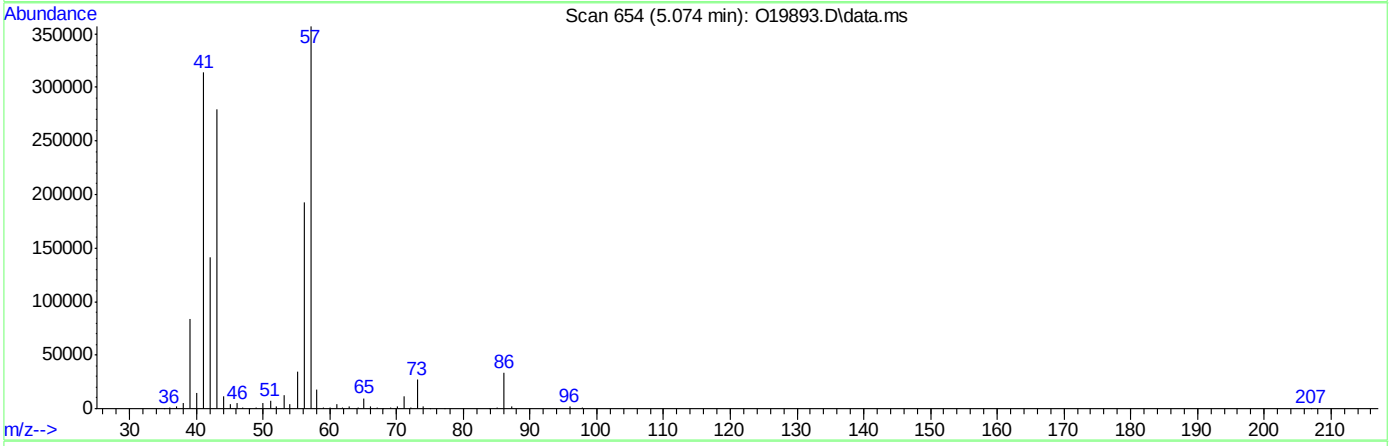
Ion	Exp%	Act%
56.10	100	100
57.10	188.10	185.65
43.10	142.00	143.84
41.10	160.40	161.55

Quantitation Report (Qedit)

Data Path : C:\msdchem\1\data\110113\
Data File : O19893.D
Acq On : 1 Nov 2013 8:58 am
Operator : melissam
Sample : CC791-4
Misc : MS25564,VO792,,,,,
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Nov 01 08:16:18 2013
Quant Method : C:\msdchem\1\methods\msoNCOXY103113.m
Quant Title : SW-846 Method 5030B/8260B & EPA 624
QLast Update : Thu Oct 31 12:02:13 2013
Response via : Initial Calibration





TIC: O19893.D\data.ms

(20) Hexane

5.074min (+0.000) 39.70ug/L m

response 440974

Ion	Exp%	Act%
56.10	100	100
57.10	188.10	185.32
43.10	142.00	144.92
41.10	160.40	162.96

ACCUTEST LABORATORIES SE

DATE:	10/30/13
COLUMN TYPE:	RTX-VMS
DETECTOR:	5975 MSD
INSTRUMENT:	MSVOA16-I
PURGE PRESSURE:	12-4PSI
ANALYST:	WILFREDO V.

MS VOA16-I ANALYSIS LOG

METHODS:*	8260
METHOD FILE:	8260 I APP
CALIB. DATE:	10/30/13
EM VOLTAGE:	1329
BFB RESPONSE:	2520792
RUN ID:	VI 195

STANDARDS

BFB:	VI6319
ICAL/CCV:	VI6322, VI6356, VI6358, VI6354, VI6359
ISTD/SURR:	VI6319, VI6357
ICV/QC:	VI6320, VI6324, VI6332, VI6333, VI6283
Purge Volume:	5ml

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	PH	CI ?	RR	COMMENTS
I 15229	BFB	NA	W	1	8260		NA	NA	N	PASS-AUTOFIND
I 30	CL186-4	NA		1						20ul into 50ml
I 31	CC186-4	NA		1						20ul into 50ml
I 32	BLANK			1						EM UP TO 1 million
I 33	BLANK			1						
I 34	BLANK			2						
I 35	BLANK			2						
I 36	BLANK			3						
I 37	BLANK			3						
I 38	BFB			4						PASS-AUTOFIND
I 39	IC 195-1			1		SP:7, MP:16,17,53,81,104,109,96				5ul into 500ml
I 40	-2			2		OP:17,19, MP:104				5ul into 100ml +20ul
I 41	-3			3		SP:7, OP:17,19, MP:81,104				10ul into 50ml +15ul
I 42	-4			4		SP:7, OP:17,19, MP:81,104				20ul into 50ml
I 43	-5			5		SP:7, OP:17,19, MP:53,81,104				35ul into 50ml +20ul
I 44	-6			6		SP:7, OP:17,19, MP:53,81,104				50ul into 50ml +25ul
I 45	BLANK			7						
I 46	ICV195-4			8		SP:7, OP:17,19 MP:81,104				25ul into 50ml
I 47	ICV195-4			9						WRONG CONC USED
I 48	BLANK			10						
I 49	ICV195-4			11		MP:81,104, SP:7				25ul into 50ml
I 50	BLANK			12						
I 51	BLANK			13						
I ~~52~~										
I ~~53~~	WV									
I ~~54~~	10/31/13									
I ~~55~~										

WV 10/31/13

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003
Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.
Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration

Analyst's Signature: [signature]

msvoa16_i_log.xls NF 09/11

ACCUTEST LABORATORIES FA9297

ACCUTEST LABORATORIES SE

DATE:	10/31/15
COLUMN TYPE:	RTX-VMS
DETECTOR:	5975 MSD
INSTRUMENT:	MSVOA16-I
PURGE PRESSURE:	12.4 PSI
ANALYST:	WILFREDO V.

MS VOA16-I ANALYSIS LOG

METHODS:*	8260
METHOD FILE:	8260 I APP
CALIB. DATE:	10/30/15
EM VOLTAGE:	1329
BFB RESPONSE:	10/31/15 2714845
RUN ID:	VI 196

STANDARDS

BFB:	VI16319
ICAL/CCV:	VI16322, VI16355, VI16358, VI16354, VI16359
ISTD/SURR:	VI16319
ICV/QC:	VI16330, VI16332, VI16333, VI16283
Purge Volume:	5ml

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	PH	CI ?	RR	COMMENTS
1 152 51	BFB	NA	W	1	8260		NA	NA	N	PASS - AUTOFIND
1 52	CC195-4	NA		2		SP:7,OP:17,19,38,MP:53,81,104	NA	NA	N	20ul into 50ml
1 53	DS	NA		3		SP:7,OP:17,19,38,MP:104	NA	NA	N	12.5ul into 40ml
1 54	MB	NA		4			NA	NA	N	ND
1 55	FA9241-1	1		1			1	N	N	
1 56	-2	2		2			1	N	N	
1 57	-3	2		3			1	N	N	
1 58	FA9297-1	2		4			1	N	5X	TCE-↑
1 59	-2	2		5			1	N	N	
1 60	-11	2		6			1	N	N	
1 61	-12	2		7			1	N	N	
1 62	-13	2		8		SP:7	1	N	5X	TCE-↑
1 63	-14	2		9			1	N	N	
1 64	-15	2		10			1	N	N	
1 65	-16	2		11		SP:9	1	N	N	
1 66	-17	2		12			1	N	5X	CIS12DCE-↑
1 67	-20	2		13			1	N	N	
1 68	-23	2		14			1	N	N	
1 69	-32	2		15			1	N	N	
1 70	-33	2		16			1	N	N	
1 71	-34	2		17			1	N	N	
1 72	-35	2		18			1	N	N	ND
1 73	-36	2		19			1	N	N	
1 74	-41	1		20			1	N	N	ND
1 75	FA9241-2MS	3		21		OP:17,19, MP:81,104	1	N	N	12.5ul into 40ml
1 76	-2MSD	3		21		SP:7,OP:17, MP:104	1	N	N	12.5ul into 40ml
1 77	BLANK	NA	V	1	V		NA	NA	N	

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003
Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.
Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration

Analyst's Signature: [signature]

msvoa16_i_log.xls NF 09/11

ACCUTEST LABORATORIES SE

DATE:	11/01/13
COLUMN TYPE:	RTX VMS
DETECTOR:	5975 MSD
INSTRUMENT:	MSVOA16-I
PURGE PRESSURE:	12 APSI
ANALYST:	WILFREDO V./STUMP

MS VOA16-I ANALYSIS LOG

METHODS:*	8260
METHOD FILE:	8260IAPP
CALIB. DATE:	10/30/13
EM VOLTAGE:	1329
BFB RESPONSE:	1513882
RUN ID:	VI 197

STANDARDS

BFB:	VI16319
ICAL/CCV:	VI16322, VI16360, VI16358, VI16334, VI16359
ISTD/SURR:	VI16319
ICV/QC:	VI16320, VI16361, VI16372, VI16377, VI16283
Purge Volume:	5ml

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	PH	CI ?	RR	COMMENTS
I 15277	BFB	NA	W	1	8260		NA	NA	N	PASS - AUTOFIND
I 78	CC195-1	NA		1		SP:7,OP:17,19,MP:104	NA	NA	N	20ul into 50ml
I 79	BS	NA		2		SP:7,OP:17,19,MP:81,104	NA	NA	N	12.5ul into 40ml
I 80	MB	NA		3			NA	NA	N	ND
I 81	FA9436-1	2		1			I	N	N	
I 82	-2	2		2			I	N	N	ND
I 83	-3	2		3			I	N	N	ND
I 84	FA9297-1.5X, 10:50	3		4			I	N	N	
I 85	-13.5X, 10:50	3		5			I	N	N	
I 86	-17.5X, 10:50	3		6			I	N	N	
I 87	FA9397-10	2		7			I	N	N	ND
I 88	-1	2		8			I	N	N	
I 89	-2	2		9			I	N	5X	TCE-↑
I 90	-3	2		10			I	N	5X	TCE-↑
I 91	-10MS	3		11		SP:7,OP:17,19,MP:104	I	N	N	12.5ul into 40ml
I 92	-10MSD	3		11		SP:7,OP:17,19,MP:81,104	I	N	N	12.5ul into 40ml
I 93	-4	2		12			I	N	N	
I 94	-5	2		13			I	N	N	
I 95	-6	2		14			I	N	N	ND
I 96	-7	2		15			I	N	N	
I 97	-8	2		16			I	N	1X	BS OXYL-↑
I 98	-9, 10X 2.5:50	2		17			I	N	20X	↓
I 99	-18	1		18			I	N	1X	TOLUENE WTB
I 300	-11	2		19			I	N	N	ND
I 01	-12	2		20			I	N	N	
I 02	-13	2		21			I	N	N	
I 03	B	NA	↓	22	↓		NA	NA	N	

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003
Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.
Manual Integration Rationale SOP QA029: MP Missed Peak, OP Overlapping Peak, SP Split Peak, PDB Poorly Defined Baseline, BR Baseline Ripple, PII Poor Instrument Integration

Analyst's Signature: [signature]

msvoa16_i_log.xls NF 09/11

ACCUTEST LABORATORIES SE

DATE:	10-31-13
COLUMN TYPE:	BTX MS
DETECTOR:	5975 MSD
INSTRUMENT:	MSVOA12-O
PURPOSE PRESSURE:	11.5 psi
ANALYST:	Melissa Nagel

MS VOA12-O ANALYSIS LOG

METHODS:*	8260
METHOD FILE:	MSVOA12-O41013.M
CALIB. DATE:	10-31-13
EM VOLTAGE:	1671 V
BFB RESPONSE:	2 8 24 42 30
RUN ID:	VO 791

STANDARDS

BFB:	V16326 E
ICAL/CCV:	V16365, V16363, V16334, V16358
V16352 (5ppm)	V16360, V16359
ISTD/SURR:	V16352
ICV/QC:	V16362, V16330, V16322, V16223
Purpose Volume:	5ml V16346, V16283

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	PH	CI ?	RR	COMMENTS
O 50	BFB	–	–	–	BFB		–	–		(re-have) (126/174 ↑)
O 51	BFB									(126/174 ↑)
O 52	BFB									(Vol1.2196) (126/174 ↑)
O 53	BFB									(Vol1.2196) (126/174 ↑)
O 54	BFB									(Vol1.2196) Passes auto-tuned (2nd)
O 55	ICV791-1		W	1	8260	#102(SP)				0.5ml (→50ml
O 56	2			2		#20(OP), 102(SP)				2.5ml (→50ml +10ml Surr.
O 57	3			3		# #20(OP)				10ml (→50ml + 15ml Surr.
O 58	4			4		#20(OP)				20ml (→50ml
O 59	5			5		#20(OP)				35ml (→50ml +20ml Surr.
O 60	6			6		#20, 22(OP)				50ml (→50ml +25ml Surr.
O 61	ICV791-4			7						25ml (→50ml
O 62	ICV791-4a			8		#20(OP)				25ml (→50ml
O 63	BFB		–	–	BFB					(Passes auto-tuned)
O 64	CCV791-4		W	1	8260	#20(OP)				20ml (→50ml
O 65	BS			2		#20(OP), #22(OP)				0.5ml (→50ml
O 66	MB			3						✓
O 67	FA9566-5	2		4			1	NO	1X	✓
O 68	-6	2		5			1	NO		✓
O 69	FA9240-25	2		6			1	NO		✓
O 70	26 #5	2		7			1	NO		✓
O 71	27	2		8		#70(MP)	1	NO		✓
O 72	FA9297-3	2		9			1	NO		✓
O 73	4.5x	2		10			1	NO		10ml (→50ml ✓
O 74	5	2		11		#81(MP)	1	NO	1X	✓
O 75	6	2		12			1	NO		✓
O 76	7	2		13			1	NO		✓

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

Manual Integration Rationale SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration

Analyst's Signature: [signature]

msvoa12_o_log.xls NF 05/11

ACCUTEST LABORATORIES FA9297

ACCUTEST LABORATORIES SE

DATE:	10-31-13
COLUMN TYPE:	75 TX-1 MS
DETECTOR:	5975 MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	11.5 psi
ANALYST:	Melissa Kaufman

MS VOA12-O ANALYSIS LOG

METHODS:*	8260
METHOD FILE:	MSOAVOAY103113.M
CALIB. DATE:	10-31-13
EM VOLTAGE:	1621 V
BFB RESPONSE:	28274472
RUN ID:	VO 791

STANDARDS

BFB:	V16326
ICAL/CCV:	V16355, V16363, V16334, V16358, V16340, V16359
ISTD/SURR:	V16353
ICV/QC:	V16362, V16330, V16332, V16333
Purge Volume:	5 ml V16296, V16283

DATA FILE	SAMPLE ID, DIL.	Vial #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	PH	CI ?	RR	COMMENTS
O 77	FA9297-24	2	W	14	8260		1	NO		✓
O 78	26	2		15			1	NO	2x	Trichlo. ↑ Int. #4 ✓
O 79	27	2		16			1	NO		✓
O 80	28	2		17			1	NO		✓
O 81	29	2		18			1	NO		✓
O 82	30	2		19			1	NO		✓
O 83	31	2		20			1	NO		✓
O 84	32, 2X	2		21			1	NO		25ml → 50ml ✓
O 85	39	1		22			1	NO		✓
O 86	FA9347-9	2		23			1	NO		✓
O 87	FA9297-4ms, 5X	2		24		#20(OP)	1	NO		12.5ml → 40ml ✓
O 88	4msd, 5X	2		25		#20(OP)	1	NO		12.5ml → 40ml ✓
O 89	Blank	–		1			–	–		✓
O 90	Blank	–		1			–	–		ND
O										
O										
O										
O										
O										
O										
O										
O										
O										
O										
O										
O										
O										
O										

MM 11-1-13

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003
Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate
All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.
Manual Integration Rationale SOP QA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration

Analyst's Signature: [signature]

msvoa12_o_log.xls NF 05/11

ACCUTEST LABORATORIES SE

DATE:	11-01-13
COLUMN TYPE:	BTEX UKS
DETECTOR:	5975 MSD
INSTRUMENT:	MSVOA12-O
PURGE PRESSURE:	11.5 psi
ANALYST:	Helen Nguyen

MS VOA12-O ANALYSIS LOG

METHODS:*	8260 102113
METHOD FILE:	HSQUXOW4#3.H HN 11-01-13
CALIB. DATE:	10-31-13
EM VOLTAGE:	1621V
BFB RESPONSE:	2521051
RUN ID:	VO 792

STANDARDS

BFB:	V16326F
ICAL/CCV:	V16255, V16363, V16334, V16358 V16360, V16359
ISTD/SURR:	V16353
ICV/QC:	V16362, V16330, V16332, V16333
Purge Volume:	5ml V16296, V16283

	DATA FILE	SAMPLE ID. DIL.	Vial #	MATRIX	ALS POS.	SAMPLE METHOD	MANUALLY INTEGRATED PEAKS RATIONALE, PEAK #	PH	CI ?	RR	COMMENTS
O	19891	BFB	–	–	–	BFB		–	–	–	Tune on auto load
O	92	CC791-4		W	1	8260	#20,22 (OP)				20ul (>50ml)
O	93	CC791-4a			1		#20 (OP)				20ul (>5ml)
O	94	B5			2		#20 (OP)				12.5ul (>4ml)
O	95	Blank			3						✓
O	96	MB			~~43~~						ND
O	97	FA9297-8	2		54			1	ND		✓
O	98	9	2		65			1	ND		✓
O	99	10	2		76			1	ND		✓
O	00	18	2		87			1	ND		✓
O	01	19, 2X	2		98			1	ND	1X	25ml (>50ml)
O	02	21	2		109			1	ND	2X	Tetrachloroethene?
O	03	22, 10X	2		10			1	ND	1X	5ml (>50ml)
O	04	25, 2X	2		11			1	ND	1X	25ml (>50ml)
O	05	38, 5X	2		12			1	ND		10ml (>50ml) ✓
O	06	40	2		13			1	ND	✓ ~~1X~~	Eclipse shaped ✓
O	07	FA0566-5	3		14		#70 (MP)	1	ND		✓
O	08	FA9297-5	3		15		#81 (MP)	1	ND		✓
O	09	-26, 2X HS	3		16			1	ND		~~25ml~~ 10ml (>50ml) ✓ HN 11-01-13
O	10	FA9476 19, 50X	2		17			1	ND	100X	1ml (>50ml) HN 11-01-13
O	11	~~FA9328-1~~	3		18			1	ND		FA9297-A ✓ Tetrachloroethene? e-comb
O	12	~~2~~	3		19			1	ND		21, 2X e-comb
O	13	~~3~~	3		20			1	ND		22 ✓ dump 10X
O	14	~~4~~	3		21			1	ND		25 ✓
O	15	FA9328-5	1		22		#97 (MP)	1	ND		✓
O	16	6 HS	1		23			1	ND		✓
O	17	FA9297-9 ms	3		24		#20 (OP)	1	ND		12.5ul (>4ml)
O	18	9 msd	3		25		#20 (OP)	1	ND		12.5ul (>4ml)

MHN 11-01-13

* For NELAC purposes, Method 8260 includes analytes by SOP MS005 and Method 624 includes analytes by SOP MS003

Matrix: Designate "W" for Water, "S" for Soil, "O" for Oil, "Liq" for Non-aqueous Liquid, and "TCLP" or "SPLP" for Leachate

All strikeouts must be initialed and dated. If correction was not due to a transcription error, then list the reason for correction.

Manual Integration Rationale SOP DA029: **MP** Missed Peak, **OP** Overlapping Peak, **SP** Split Peak, **PDB** Poorly Defined Baseline, **BR** Baseline Ripple, **PII** Poor Instrument Integration

19 Blank
20 Blank

Analyst's Signature: [signature]

msvoa12_o_log.xls NF 05/11

ACCUTEST LABORATORIES

FA9297

7.7.5 7