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Cover Page

Order ID : Q2481

Project ID : CC2-16 Analytical

Client : Environmental Restoration, LLC

Lab Sample Number	Client Sample Number
Q2481-01	CC0627-AL
Q2481-02	CC0627-CLOXPL
Q2481-03	CC0625-OXBL
Q2481-04	CC0627-AOXL
Q2481-05	CC0625-NL
Q2481-06	CC0267-OXPL
Q2481-07	CC0627-OXL
Q2481-08	CC0627-CLOXAL
Q2481-09	CC0627-BL
Q2481-10	CC0627-SFBL

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : _____

Date: 7/14/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2481**

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: **SOHIL JODHANI** **Date:** **07/14/2025**

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LAB CHRONICLE

OrderID:	Q2481	**OrderDate:**	7/2/2025 8:24:39 AM
Client:	Environmental Restoration, LLC	**Project:**	CC2-16 Analytical
Contact:	Ryan Simpson	**Location:**	A13

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2481-12	**CC0627-AL**	**TCLP**			**06/27/25**			**06/27/25**
			TCLP VOA	8260D			07/24/25	
Q2481-13	**CC0627-CLOXPL**	**TCLP**			**06/27/25**			**06/27/25**
			TCLP VOA	8260D			07/24/25	
Q2481-14	**CC0625-OXBL**	**TCLP**			**06/27/25**			**06/27/25**
			TCLP VOA	8260D			07/24/25	
Q2481-15	**CC0627-AOXL**	**TCLP**			**06/27/25**			**06/27/25**
			TCLP VOA	8260D			07/24/25	
Q2481-16	**CC0625-NL**	**TCLP**			**06/27/25**			**06/27/25**
			TCLP VOA	8260D			07/24/25	
Q2481-17	**CC0267-OXPL**	**TCLP**			**06/27/25**			**06/27/25**
			TCLP VOA	8260D			07/24/25	
Q2481-18	**CC0627-OXL**	**TCLP**			**06/27/25**			**06/27/25**
			TCLP VOA	8260D			07/23/25	
Q2481-19	**CC0627-CLOXAL**	**TCLP**			**06/27/25**			**06/27/25**
			TCLP VOA	8260D			07/24/25	
Q2481-20	**CC0627-BL**	**TCLP**			**06/27/25**			**06/27/25**
			TCLP VOA	8260D			07/24/25	
Q2481-21	**CC0627-SFBL**	**TCLP**			**06/27/25**			**06/27/25**
			TCLP VOA	8260D			07/24/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2481

Client: Environmental Restoration, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units

Client ID:

0

Total Voc :

Total Concentration:

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2481

Client: Environmental Restoration, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2481-12	CC0627-AL	1,2-Dichloroethane-d4	50	56.6	113		74	125
		Dibromofluoromethane	50	50.5	101		75	124
		Toluene-d8	50	56.5	113		86	113
		4-Bromofluorobenzene	50	55.1	110		77	121
Q2481-13	CC0627-CLOXPL	1,2-Dichloroethane-d4	50	50.7	101		74	125
		Dibromofluoromethane	50	39.2	78		75	124
		Toluene-d8	50	56.1	112		86	113
		4-Bromofluorobenzene	50	47.3	95		77	121
Q2481-14	CC0625-OXBL	1,2-Dichloroethane-d4	50	55.8	112		74	125
		Dibromofluoromethane	50	29.5	59	*	75	124
		Toluene-d8	50	56.1	112		86	113
		4-Bromofluorobenzene	50	53.7	107		77	121
Q2481-15	CC0627-AOXL	1,2-Dichloroethane-d4	50	59.5	119		74	125
		Dibromofluoromethane	50	51.5	103		75	124
		Toluene-d8	50	57.9	116	*	86	113
		4-Bromofluorobenzene	50	55.7	111		77	121
Q2481-16	CC0625-NL	1,2-Dichloroethane-d4	50	50.0	100		74	125
		Dibromofluoromethane	50	42.6	85		75	124
		Toluene-d8	50	51.2	102		86	113
		4-Bromofluorobenzene	50	49.5	99		77	121
Q2481-17	CC0267-OXPL	1,2-Dichloroethane-d4	50	44.8	90		74	125
		Dibromofluoromethane	50	37.6	75		75	124
		Toluene-d8	50	48.8	98		86	113
		4-Bromofluorobenzene	50	40.6	81		77	121
Q2481-18	CC0627-OXL	1,2-Dichloroethane-d4	50	53.6	107		74	125
		Dibromofluoromethane	50	47.5	95		75	124
		Toluene-d8	50	55.5	111		86	113
		4-Bromofluorobenzene	50	42.2	84		77	121
Q2481-19	CC0627-CLOXAL	1,2-Dichloroethane-d4	50	46.3	93		74	125
		Dibromofluoromethane	50	43.1	86		75	124
		Toluene-d8	50	48.2	96		86	113
		4-Bromofluorobenzene	50	47.0	94		77	121
Q2481-20	CC0627-BL	1,2-Dichloroethane-d4	50	46.6	93		74	125
		Dibromofluoromethane	50	27.6	55	*	75	124
		Toluene-d8	50	46.6	93		86	113
		4-Bromofluorobenzene	50	44.8	90		77	121
Q2481-21	CC0627-SFBL	1,2-Dichloroethane-d4	50	49.7	99		74	125
		Dibromofluoromethane	50	18.3	37	*	75	124
		Toluene-d8	50	48.0	96		86	113
		4-Bromofluorobenzene	50	47.1	94		77	121
VX0723WBL01	VX0723WBL01	1,2-Dichloroethane-d4	50	49.7	99		74	125
		Dibromofluoromethane	50	47.3	94		75	124
		Toluene-d8	50	52.1	104		86	113
		4-Bromofluorobenzene	50	48.4	97		77	121
VX0723WBS01	VX0723WBS01	1,2-Dichloroethane-d4	50	49.0	98		74	125
		Dibromofluoromethane	50	49.3	99		75	124
		Toluene-d8	50	46.9	94		86	113
		4-Bromofluorobenzene	50	47.3	95		77	121
VX0723WBSD0	VX0723WBSD01	1,2-Dichloroethane-d4	50	47.7	95		74	125
		Dibromofluoromethane	50	48.5	97		75	124

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Surrogate Summary

SDG No.: Q2481

Client: Environmental Restoration, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VX0723WBSD0	VX0723WBSD01	Toluene-d8	50	46.3	93		86	113
		4-Bromofluorobenzene	50	49.7	99		77	121

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Surrogate Summary

SDG No.: Q2481

Client: Environmental Restoration, LLC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VX0724WBL01	VX0724WBL01	1,2-Dichloroethane-d4	50	52.5	105		74	125
		Dibromofluoromethane	50	48.5	97		75	124
		Toluene-d8	50	53.9	108		86	113
		4-Bromofluorobenzene	50	51.5	103		77	121
VX0724WBS01	VX0724WBS01	1,2-Dichloroethane-d4	50	50.4	101		74	125
		Dibromofluoromethane	50	51.0	102		75	124
		Toluene-d8	50	49.0	98		86	113
		4-Bromofluorobenzene	50	50.6	101		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2481 **Analytical Method:** SW8260D

Client: Environmental Restoration, LLC **Datafile :** VX047080.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0723WBS01	Vinyl chloride	20	19.1	ug/L	96			65	117	
	1,1-Dichloroethene	20	18.7	ug/L	94			74	110	
	2-Butanone	100	88.9	ug/L	89			65	122	
	Carbon Tetrachloride	20	18.1	ug/L	91			77	113	
	Chloroform	20	18.9	ug/L	95			79	113	
	Benzene	20	18.7	ug/L	94			82	109	
	1,2-Dichloroethane	20	19.2	ug/L	96			80	115	
	Trichloroethene	20	18.0	ug/L	90			77	113	
	Tetrachloroethene	20	18.1	ug/L	91			67	123	
	Chlorobenzene	20	18.8	ug/L	94			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2481 **Analytical Method:** SW8260D

Client: Environmental Restoration, LLC **Datafile :** VX047088.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0723WBSD01	Vinyl chloride	20	18.5	ug/L	93	3		65	117	19
	1,1-Dichloroethene	20	18.2	ug/L	91	3		74	110	20
	2-Butanone	100	95.1	ug/L	95	7		65	122	26
	Carbon Tetrachloride	20	17.9	ug/L	90	1		77	113	15
	Chloroform	20	18.4	ug/L	92	3		79	113	20
	Benzene	20	18.5	ug/L	93	1		82	109	15
	1,2-Dichloroethane	20	18.8	ug/L	94	2		80	115	20
	Trichloroethene	20	17.9	ug/L	90	0		77	113	15
	Tetrachloroethene	20	18.1	ug/L	91	0		67	123	15
	Chlorobenzene	20	18.4	ug/L	92	2		82	109	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2481 **Analytical Method:** SW8260-Low

Client: Environmental Restoration, LLC **Datafile :** VX047108.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0724WBS01	Vinyl chloride	20	19.3	ug/L	97			65	117	
	1,1-Dichloroethene	20	18.8	ug/L	94			74	110	
	2-Butanone	100	89.5	ug/L	90			65	122	
	Carbon Tetrachloride	20	18.7	ug/L	94			77	113	
	Chloroform	20	19.2	ug/L	96			79	113	
	Benzene	20	19.0	ug/L	95			82	109	
	1,2-Dichloroethane	20	19.6	ug/L	98			80	115	
	Trichloroethene	20	18.6	ug/L	93			77	113	
	Tetrachloroethene	20	18.2	ug/L	91			67	123	
	Chlorobenzene	20	18.8	ug/L	94			82	109	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0723WBL01

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2481

Lab File ID: VX047079.D | Lab Sample ID: VX0723WBL01

Date Analyzed: 07/23/2025 | Time Analyzed: 10:45

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0723WBS01	VX0723WBS01	VX047080.D	07/23/2025
VX0723WBSD01	VX0723WBSD01	VX047088.D	07/23/2025
CC0627-OXL	Q2481-18	VX047102.D	07/23/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0724WBL01

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2481

Lab File ID: VX047107.D Lab Sample ID: VX0724WBL01

Date Analyzed: 07/24/2025 Time Analyzed: 10:34

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0724WBS01	VX0724WBS01	VX047108.D	07/24/2025
CC0625-OXBL	Q2481-14	VX047114.D	07/24/2025
CC0627-CLOXPL	Q2481-13	VX047115.D	07/24/2025
CC0627-AL	Q2481-12	VX047117.D	07/24/2025
CC0627-AOXL	Q2481-15	VX047118.D	07/24/2025
CC0625-NL	Q2481-16	VX047119.D	07/24/2025
CC0627-SFBL	Q2481-21	VX047120.D	07/24/2025
CC0627-CLOXAL	Q2481-19	VX047121.D	07/24/2025
CC0627-BL	Q2481-20	VX047122.D	07/24/2025
CC0267-OXPL	Q2481-17	VX047123.D	07/24/2025

COMMENTS:

Raw Data: **VX047054.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ENVI60
Lab Code: ACE
SDG NO.: Q2481
Lab File ID: VX047054.D
BFB Injection Date: 07/21/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:53
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.4
75	30.0 - 60.0% of mass 95	52.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	72.5
175	5.0 - 9.0% of mass 174	5.3 (7.3) 1
176	95.0 - 101.0% of mass 174	69.5 (95.9) 1
177	5.0 - 9.0% of mass 176	5 (7.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VX047055.D	07/21/2025	09:47
VSTDICC005	VSTDICC005	VX047056.D	07/21/2025	10:08
VSTDICC020	VSTDICC020	VX047057.D	07/21/2025	10:29
VSTDICCC050	VSTDICCC050	VX047058.D	07/21/2025	10:50
VSTDICC100	VSTDICC100	VX047059.D	07/21/2025	11:11
VSTDICC150	VSTDICC150	VX047060.D	07/21/2025	11:32

Raw Data: **VX047076.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: ENVI60
Lab Code: ACE
SDG NO.: Q2481
Lab File ID: VX047076.D
BFB Injection Date: 07/23/2025
Instrument ID: MSVOA_X
BFB Injection Time: 09:00
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.5 (0.6) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	5.7 (7.7) 1
176	95.0 - 101.0% of mass 174	71.6 (96.4) 1
177	5.0 - 9.0% of mass 176	4.6 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047077.D	07/23/2025	09:30
VX0723WBL01	VX0723WBL01	VX047079.D	07/23/2025	10:45
VX0723WBS01	VX0723WBS01	VX047080.D	07/23/2025	11:13
VX0723WBSD01	VX0723WBSD01	VX047088.D	07/23/2025	14:07
CC0627-OXL	Q2481-18	VX047102.D	07/23/2025	19:00

Raw Data: **VX047104.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2481

Lab File ID: VX047104.D | BFB Injection Date: 07/24/2025

Instrument ID: MSVOA_X | BFB Injection Time: 09:12

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.4
75	30.0 - 60.0% of mass 95	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	72.2
175	5.0 - 9.0% of mass 174	5.1 (7) 1
176	95.0 - 101.0% of mass 174	70.5 (97.6) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047105.D	07/24/2025	09:44
VX0724WBL01	VX0724WBL01	VX047107.D	07/24/2025	10:34
VX0724WBS01	VX0724WBS01	VX047108.D	07/24/2025	10:55
CC0625-OXBL	Q2481-14	VX047114.D	07/24/2025	13:06
CC0627-CLOXPL	Q2481-13	VX047115.D	07/24/2025	13:26
CC0627-AL	Q2481-12	VX047117.D	07/24/2025	14:08
CC0627-AOXL	Q2481-15	VX047118.D	07/24/2025	14:29
CC0625-NL	Q2481-16	VX047119.D	07/24/2025	14:50
CC0627-SFBL	Q2481-21	VX047120.D	07/24/2025	15:12
CC0627-CLOXAL	Q2481-19	VX047121.D	07/24/2025	15:33
CC0627-BL	Q2481-20	VX047122.D	07/24/2025	15:54
CC0267-OXPL	Q2481-17	VX047123.D	07/24/2025	16:15

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2481

Lab File ID: VX047077.D Date Analyzed: 07/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:30

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	346372	5.56	582956	6.76	499261	10.05
UPPER LIMIT	692744	6.056	1165910	7.263	998522	10.549
LOWER LIMIT	173186	5.056	291478	6.263	249631	9.549
EPA SAMPLE NO.						
CC0627-OXL	416777	5.56	772965	6.77	519074	10.06
VX0723WBL01	495715	5.56	888951	6.76	838806	10.06
VX0723WBS01	361496	5.56	612680	6.76	542704	10.06
VX0723WBSD01	310959	5.56	528421	6.77	477316	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2481

Lab File ID: VX047077.D Date Analyzed: 07/23/2025

Instrument ID: MSVOA_X Time Analyzed: 09:30

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	238699	12.018				
UPPER LIMIT	477398	12.518				
LOWER LIMIT	119350	11.518				
EPA SAMPLE NO.						
CC0627-OXL	323235	12.02				
VX0723WBL01	406646	12.02				
VX0723WBS01	268316	12.02				
VX0723WBSD01	242466	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2481

Lab File ID: VX047105.D Date Analyzed: 07/24/2025

Instrument ID: MSVOA_X Time Analyzed: 09:44

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	299639	5.56	500897	6.76	440622	10.06
UPPER LIMIT	599278	6.056	1001790	7.263	881244	10.555
LOWER LIMIT	149820	5.056	250449	6.263	220311	9.555
EPA SAMPLE NO.						
CC0627-AL	405182	5.56	744375	6.77	710158	10.06
CC0627-CLOXPL	306378	5.62	578026	6.81	434831	10.08
CC0625-OXBL	452175	5.56	826688	6.77	795791	10.06
CC0627-AOXL	401016	5.56	749846	6.77	708181	10.06
CC0625-NL	396009	5.56	749209	6.77	689935	10.06
CC0267-OXPL	354820	5.58	677494	6.78	521532	10.06
CC0627-CLOXAL	414773	5.56	745400	6.77	702427	10.06
CC0627-BL	503250	5.56	912608	6.77	857469	10.06
CC0627-SFBL	488832	5.56	892867	6.77	845132	10.06
VX0724WBL01	463916	5.56	839242	6.77	802389	10.06
VX0724WBS01	305867	5.57	519601	6.77	466090	10.06

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2481

Lab File ID: VX047105.D Date Analyzed: 07/24/2025

Instrument ID: MSVOA_X Time Analyzed: 09:44

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #		RT #				
12 HOUR STD	207085		12.018				
UPPER LIMIT	414170		12.518				
LOWER LIMIT	103543		11.518				
EPA SAMPLE NO.							
CC0627-AL	363979		12.02				
CC0627-CLOXPL	264294		12.03				
CC0625-OXBL	405857		12.02				
CC0627-AOXL	355368		12.02				
CC0625-NL	372334		12.02				
CC0267-OXPL	319546		12.02				
CC0627-CLOXAL	362645		12.02				
CC0627-BL	440518	*	12.02				
CC0627-SFBL	418999	*	12.02				
VX0724WBL01	396966		12.02				
VX0724WBS01	230557		12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = -50% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

SAMPLE DATA

Raw Data: **VX047117.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	06/27/25
Project:	CC2-16 Analytical	Date Received:	06/27/25
Client Sample ID:	CC0627-AL	SDG No.:	Q2481
Lab Sample ID:	Q2481-12	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047117.D	10	07/24/25 14:08	VX072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	2.30	50.0	ug/L
78-93-3	2-Butanone	9.80	U	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	U	2.50	50.0	ug/L
67-66-3	Chloroform	2.50	U	2.50	50.0	ug/L
71-43-2	Benzene	1.50	U	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	U	0.93	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	U	1.20	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	56.5		86 - 113	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.1		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	405000	5.562			
540-36-3	1,4-Difluorobenzene	744000	6.769			
3114-55-4	Chlorobenzene-d5	710000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	364000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047117.D
Acq On : 24 Jul 2025 14:08
Operator : JC/MD
Sample : Q2481-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AL

Quant Time: Jul 25 01:23:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

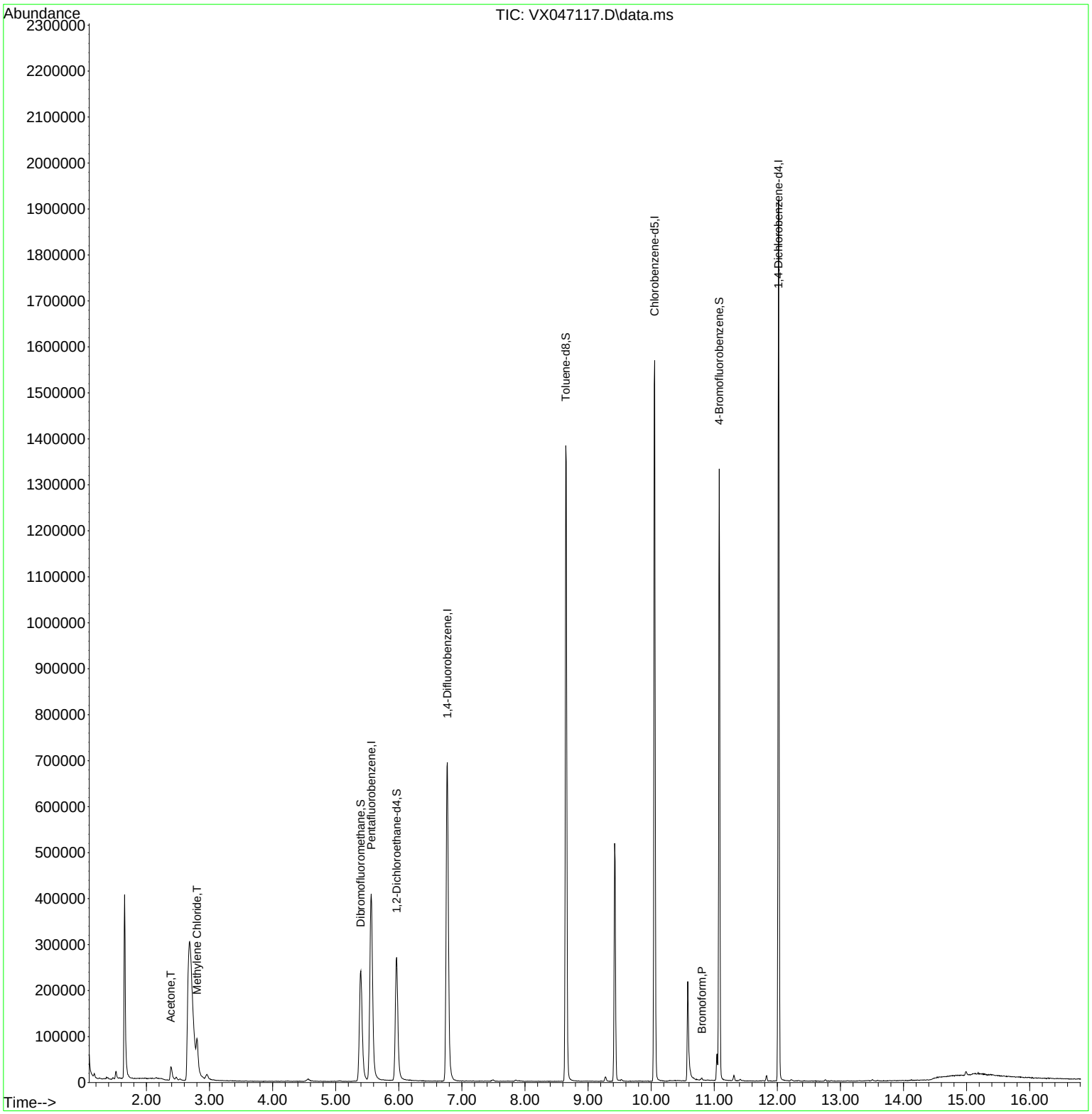
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	405182	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	744375	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	710158	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	363979	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	285791	56.623	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.240%			
35) Dibromofluoromethane	5.398	113	231882	50.453	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.900%			
50) Toluene-d8	8.647	98	841647	56.547	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 113.100%#			
62) 4-Bromofluorobenzene	11.079	95	353285	55.078	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.160%			
Target Compounds						Qvalue
16) Acetone	2.386	43	46893	23.192	ug/l	98
20) Methylene Chloride	2.800	84	27228	4.895	ug/l	97
71) Bromoform	10.805	173	1682	0.395	ug/l #	96

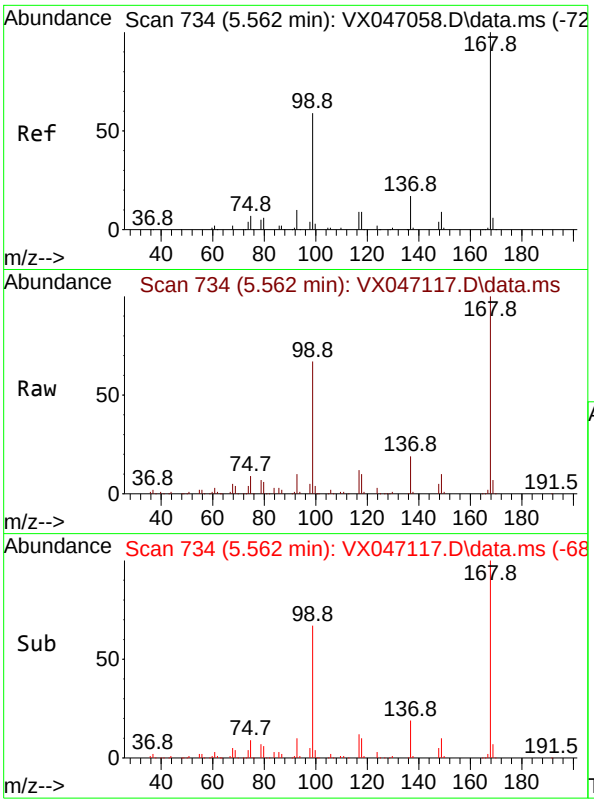
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047117.D
Acq On : 24 Jul 2025 14:08
Operator : JC/MD
Sample : Q2481-12 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AL

Quant Time: Jul 25 01:23:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



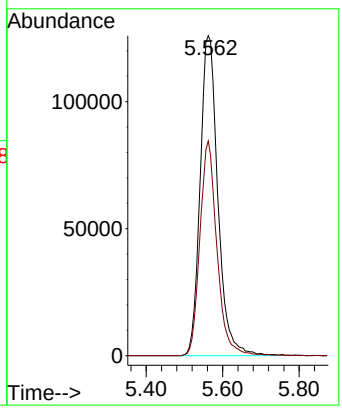


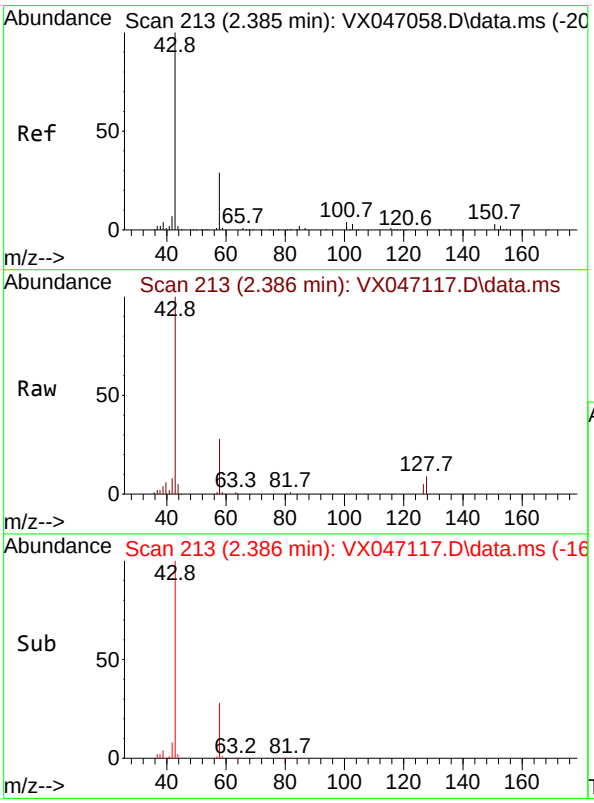
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047117.D
Acq: 24 Jul 2025 14:08

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AL

Tgt Ion:168 Resp: 405182

Ion	Ratio	Lower	Upper
168	100		
99	67.1	48.0	72.0

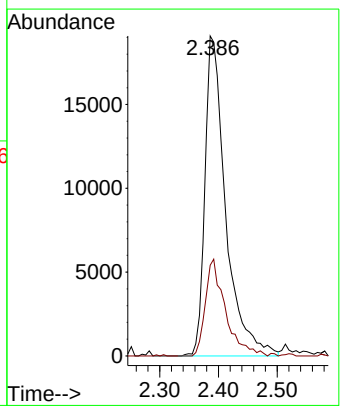


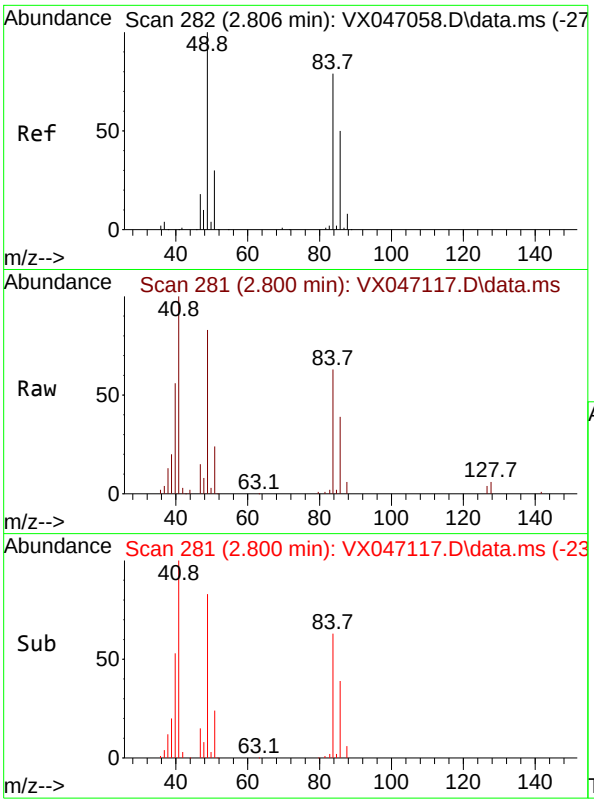


#16
Acetone
Concen: 23.192 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.001 min
Lab File: VX047117.D
Acq: 24 Jul 2025 14:08

Tgt Ion: 43 Resp: 46893

Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.0	36.0



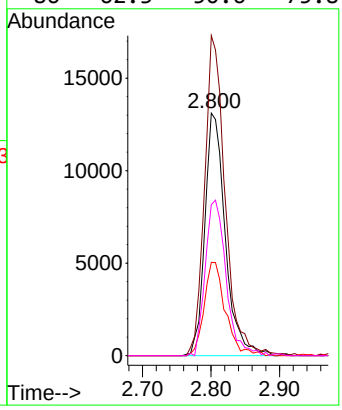


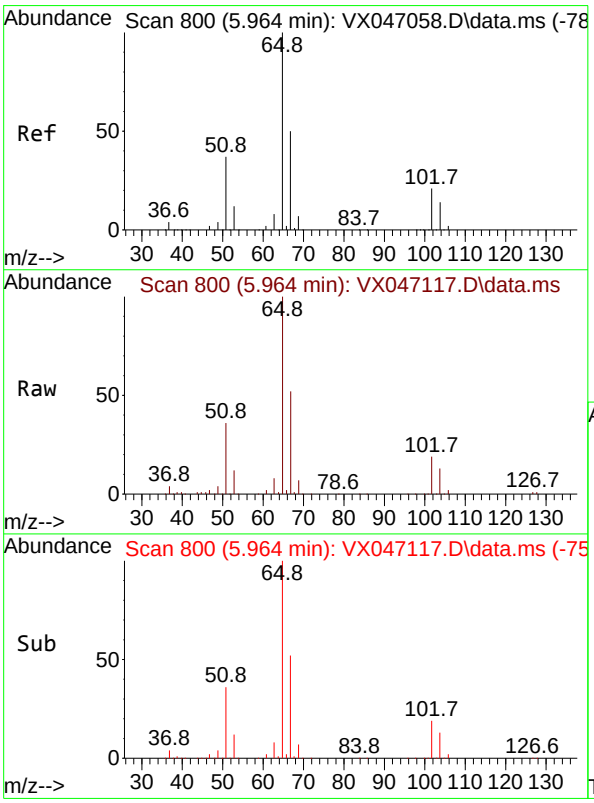
#20
Methylene Chloride
Concen: 4.895 ug/l
RT: 2.800 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047117.D
Acq: 24 Jul 2025 14:08

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AL

Tgt Ion: 84 Resp: 27228

Ion	Ratio	Lower	Upper
84	100		
49	131.9	101.6	152.4
51	39.0	30.3	45.5
86	62.3	50.6	75.8

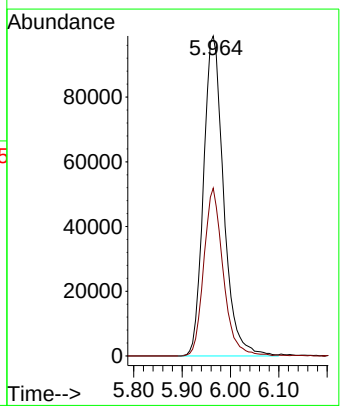


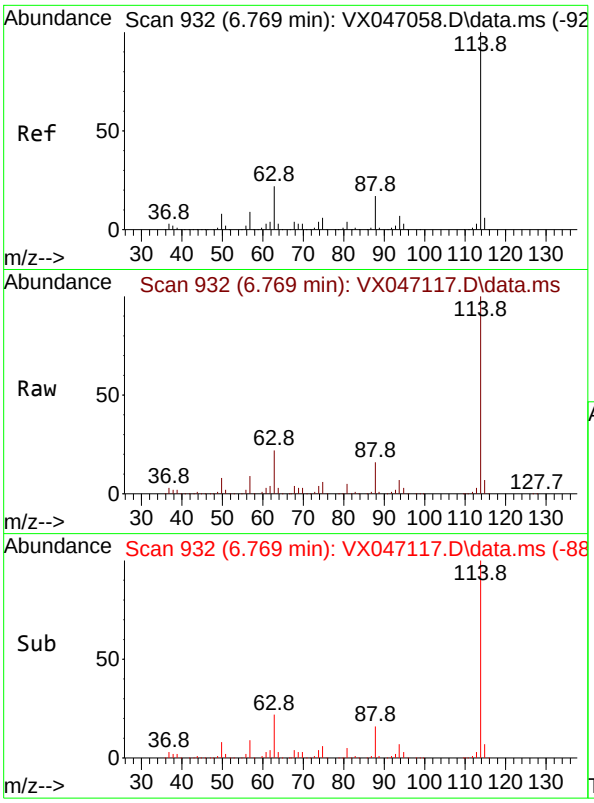


#33
1,2-Dichloroethane-d4
Concen: 56.623 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.001 min
Lab File: VX047117.D
Acq: 24 Jul 2025 14:08

Tgt Ion: 65 Resp: 285791

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	104.8



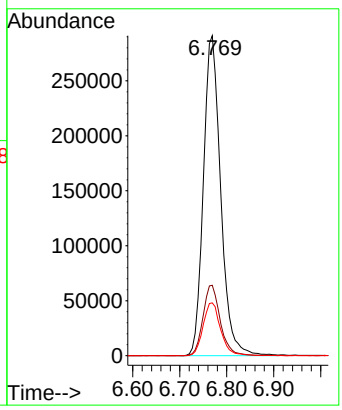


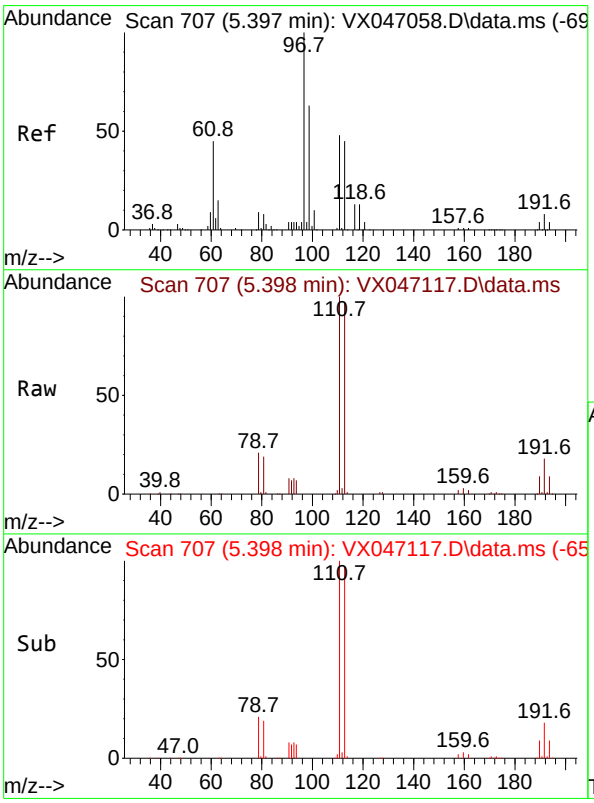
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.001 min
Lab File: VX047117.D
Acq: 24 Jul 2025 14:08

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AL

Tgt Ion:114 Resp: 744375

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	16.5	0.0	33.8

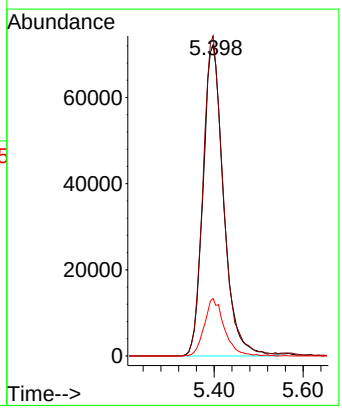


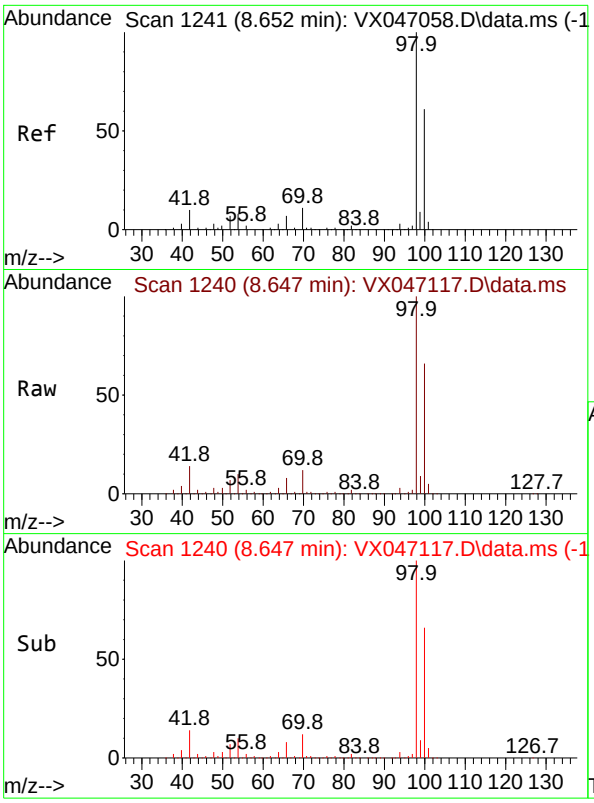


#35
Dibromofluoromethane
Concen: 50.453 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047117.D
Acq: 24 Jul 2025 14:08

Tgt Ion:113 Resp: 231882

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	124.0
192	18.0	14.9	22.3



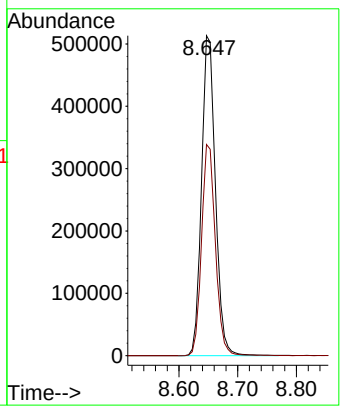


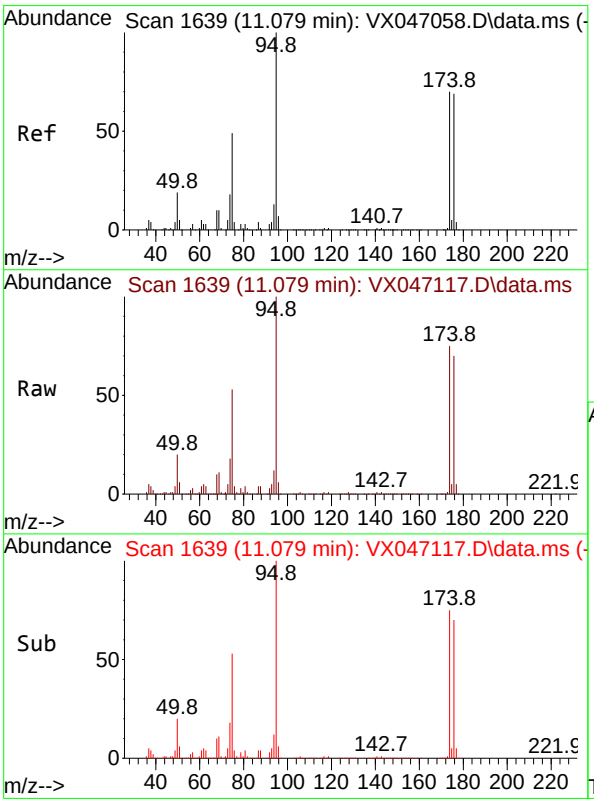
#50
Toluene-d8
Concen: 56.547 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047117.D
Acq: 24 Jul 2025 14:08

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AL

Tgt Ion: 98 Resp: 841647

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.3	79.9

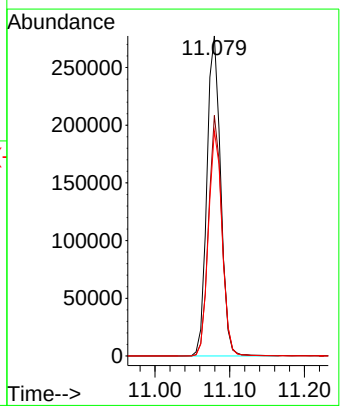


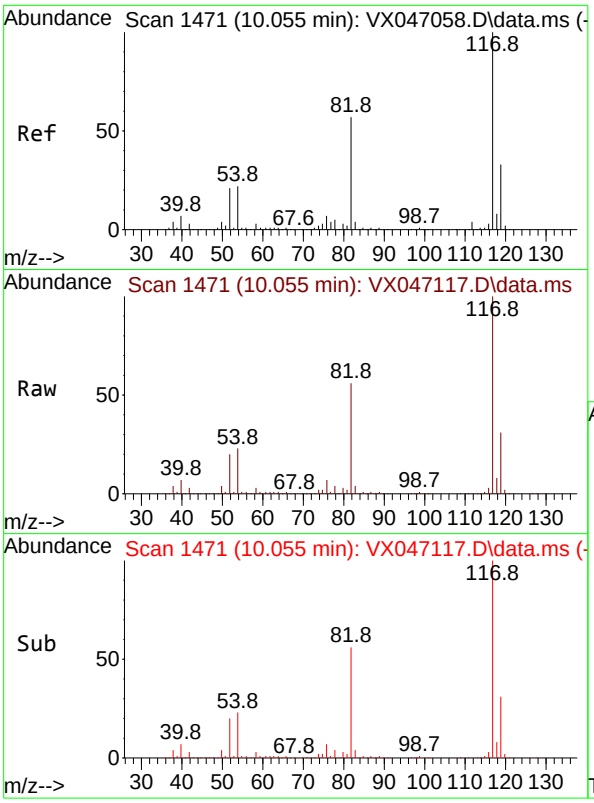


#62
4-Bromofluorobenzene
Concen: 55.078 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.001 min
Lab File: VX047117.D
Acq: 24 Jul 2025 14:08

Tgt Ion: 95 Resp: 353285

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	144.6
176	70.1	0.0	139.6



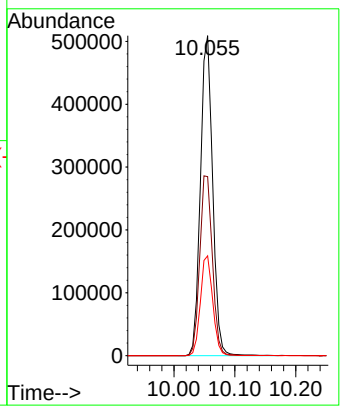


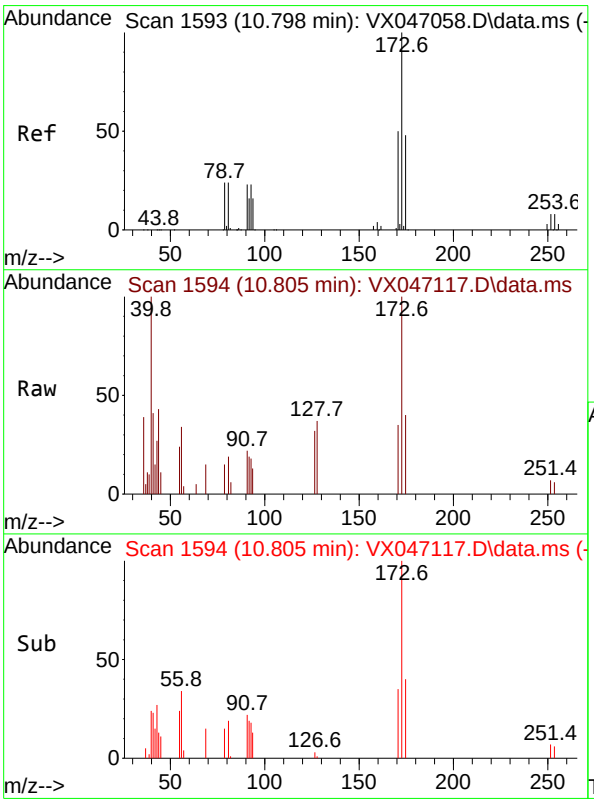
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047117.D
Acq: 24 Jul 2025 14:08

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AL

Tgt Ion:117 Resp: 710158

Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.4	68.2
119	31.2	26.1	39.1

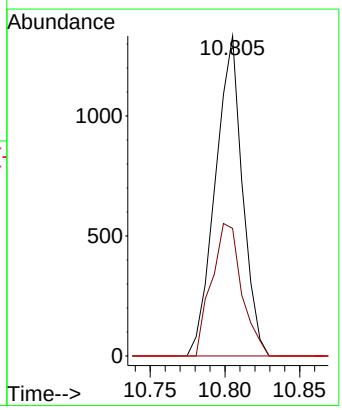


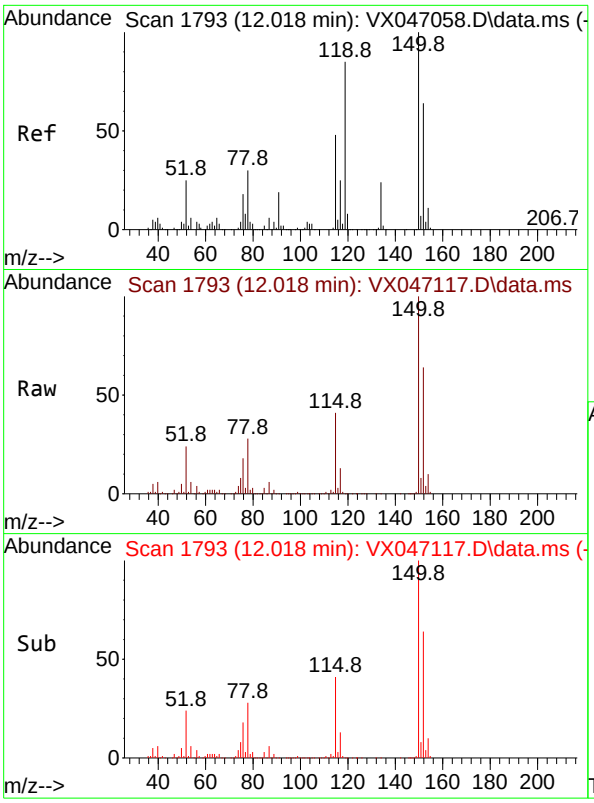


#71
Bromoform
Concen: 0.395 ug/l
RT: 10.805 min Scan# 1594
Delta R.T. 0.007 min
Lab File: VX047117.D
Acq: 24 Jul 2025 14:08

Tgt Ion:173 Resp: 1682

Ion	Ratio	Lower	Upper
173	100		
175	46.0	24.2	72.6
254	0.0	0.1	0.1#



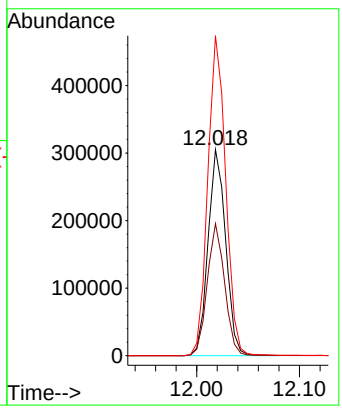


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047117.D
Acq: 24 Jul 2025 14:08

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AL

Tgt Ion:152 Resp: 363979

Ion	Ratio	Lower	Upper
152	100		
115	63.3	45.6	136.7
150	157.2	0.0	354.6



Raw Data: **VX047115.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	06/27/25
Project:	CC2-16 Analytical	Date Received:	06/27/25
Client Sample ID:	CC0627-CLOXPL	SDG No.:	Q2481
Lab Sample ID:	Q2481-13	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047115.D	10	07/24/25 13:26	VX072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	2.30	50.0	ug/L
78-93-3	2-Butanone	9.80	U	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	U	2.50	50.0	ug/L
67-66-3	Chloroform	2.50	U	2.50	50.0	ug/L
71-43-2	Benzene	1.50	U	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	U	0.93	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	U	1.20	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	39.2		75 - 124	78%	SPK: 50
2037-26-5	Toluene-d8	56.1		86 - 113	112%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	306000	5.617			
540-36-3	1,4-Difluorobenzene	578000	6.812			
3114-55-4	Chlorobenzene-d5	435000	10.079			
3855-82-1	1,4-Dichlorobenzene-d4	264000	12.03			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX047115.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047115.D
Acq On : 24 Jul 2025 13:26
Operator : JC/MD
Sample : Q2481-13 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jul 25 01:22:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXPL

Manual Integrations APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.617	168	306378	50.000	ug/l	0.05
34) 1,4-Difluorobenzene	6.812	114	578026	50.000	ug/l	0.04
63) Chlorobenzene-d5	10.079	117	434831	50.000	ug/l	0.02
72) 1,4-Dichlorobenzene-d4	12.030	152	264294	50.000	ug/l	0.01
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.031	65	193518	50.706	ug/l	0.07
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.420%			
35) Dibromofluoromethane	5.470	113	139773	39.164	ug/l	0.07
Spiked Amount 50.000	Range 75 - 124		Recovery = 78.320%			
50) Toluene-d8	8.671	98	648898	56.143	ug/l	0.02
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.280%#			
62) 4-Bromofluorobenzene	11.091	95	235736	47.329	ug/l	0.01
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.660%			
Target Compounds						Qvalue
16) Acetone	2.398	43	631670m	413.153	ug/l	
41) Methacrylonitrile	5.062	41	840264m	286.679	ug/l	
52) Toluene	8.738	92	820403	75.785	ug/l	100

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VX047115.D**

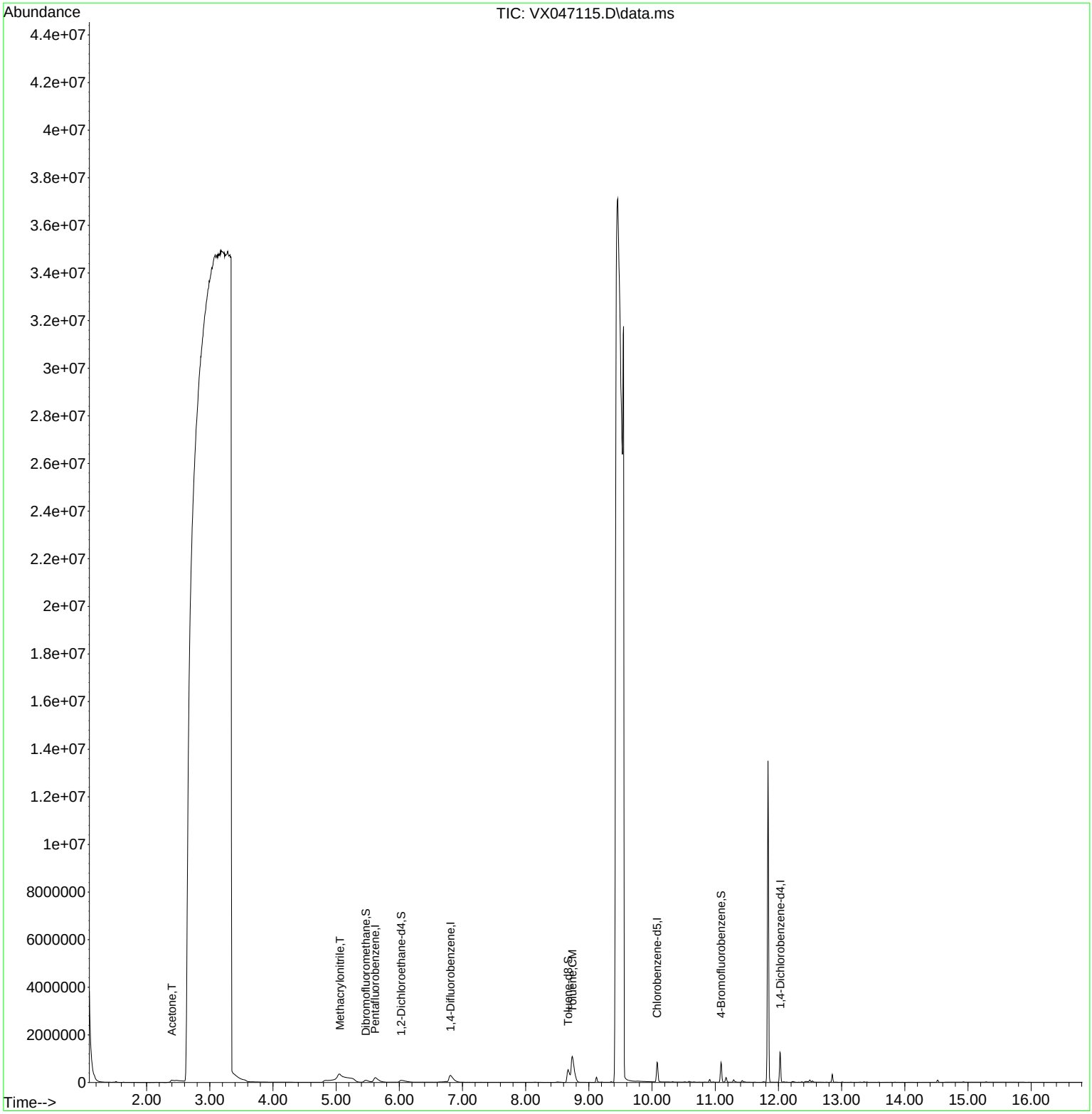
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047115.D
Acq On : 24 Jul 2025 13:26
Operator : JC/MD
Sample : Q2481-13 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

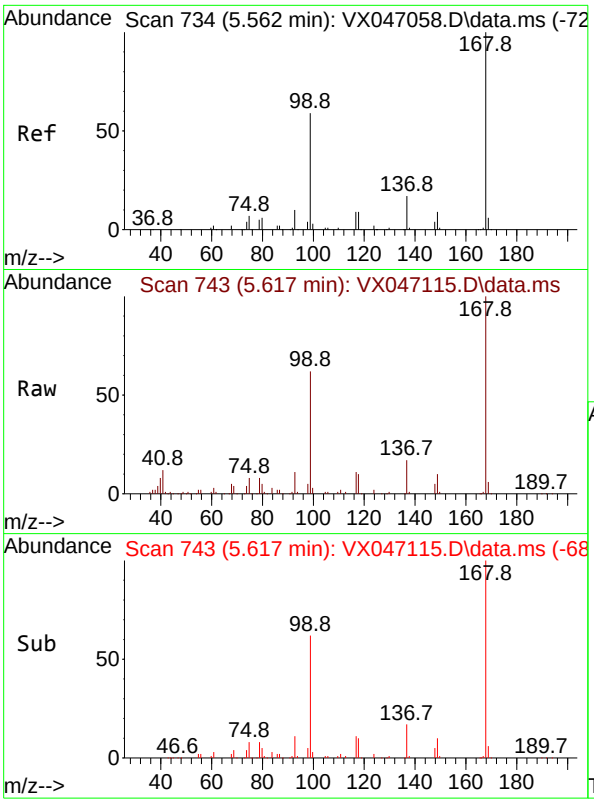
Quant Time: Jul 25 01:22:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXPL

Manual Integrations APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

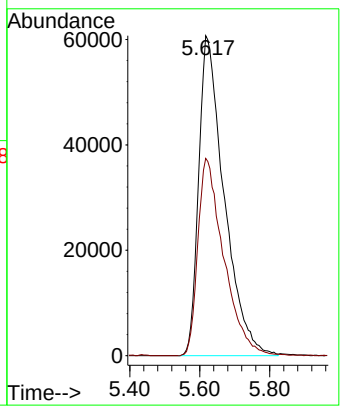




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.617 min Scan# 7
Delta R.T. 0.055 min
Lab File: VX047115.D
Acq: 24 Jul 2025 13:26

Tgt Ion:168 Resp: 30637

Ion	Ratio	Lower	Upper
168	100		
99	61.6	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXPL

Manual Integrations
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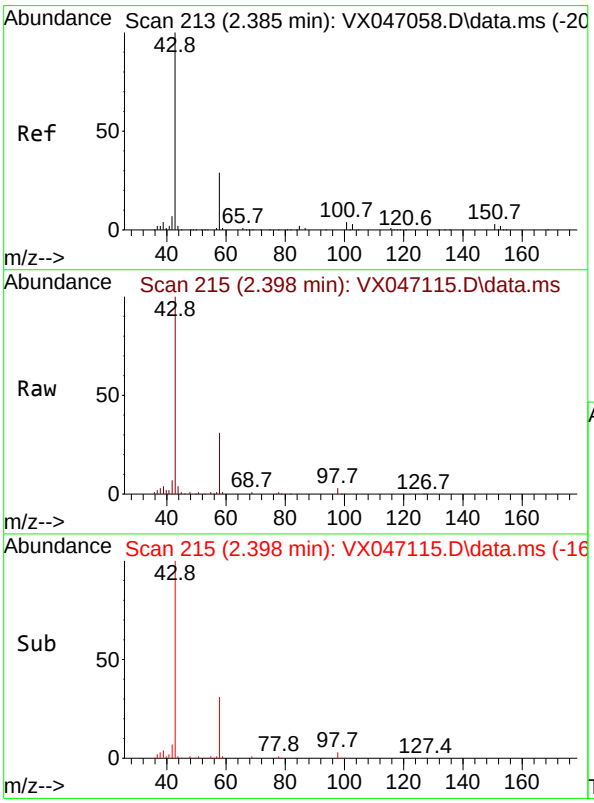
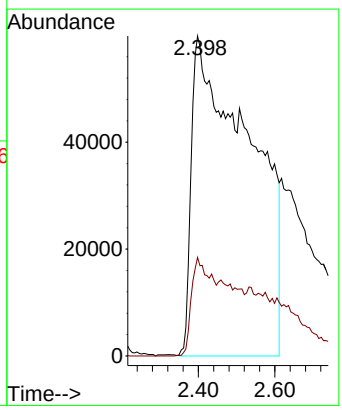
Supervised By :Mahesh Dadoda 07/25/2025

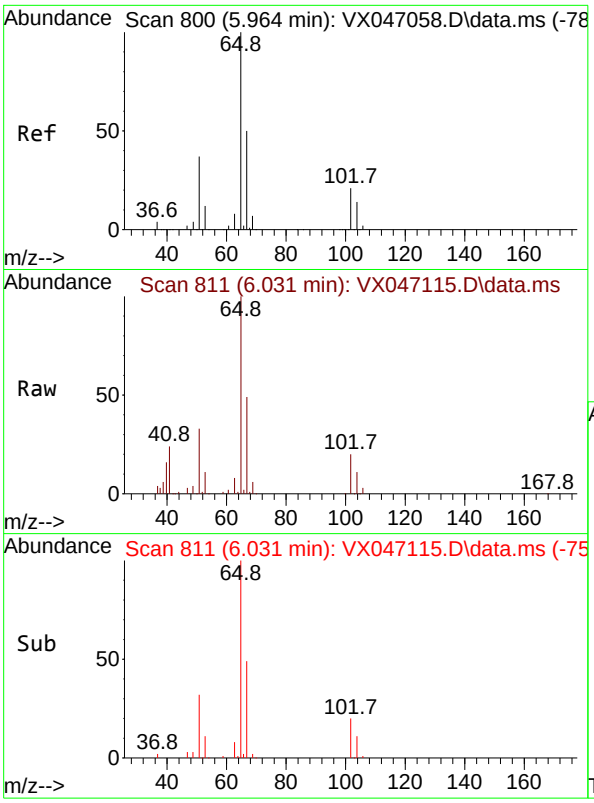


#16
Acetone
Concen: 413.153 ug/l m
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047115.D
Acq: 24 Jul 2025 13:26

Tgt Ion: 43 Resp: 631670

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0

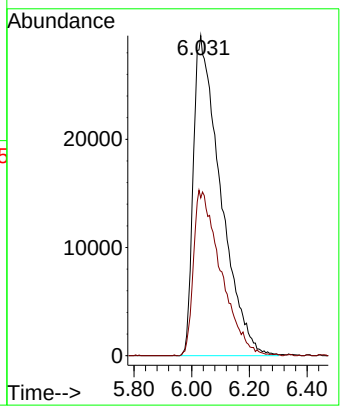




#33
1,2-Dichloroethane-d4
Concen: 50.706 ug/l
RT: 6.031 min Scan# 8
Delta R.T. 0.067 min
Lab File: VX047115.D
Acq: 24 Jul 2025 13:26

Tgt Ion: 65 Resp: 19351

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXPL

Manual Integrations
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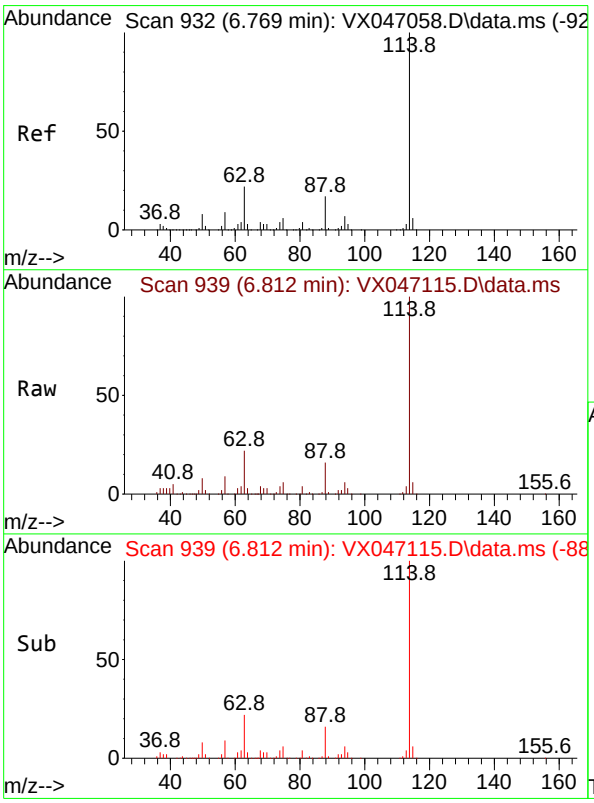
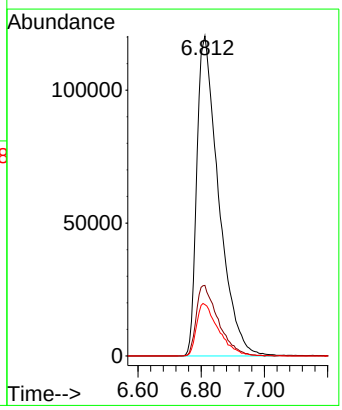
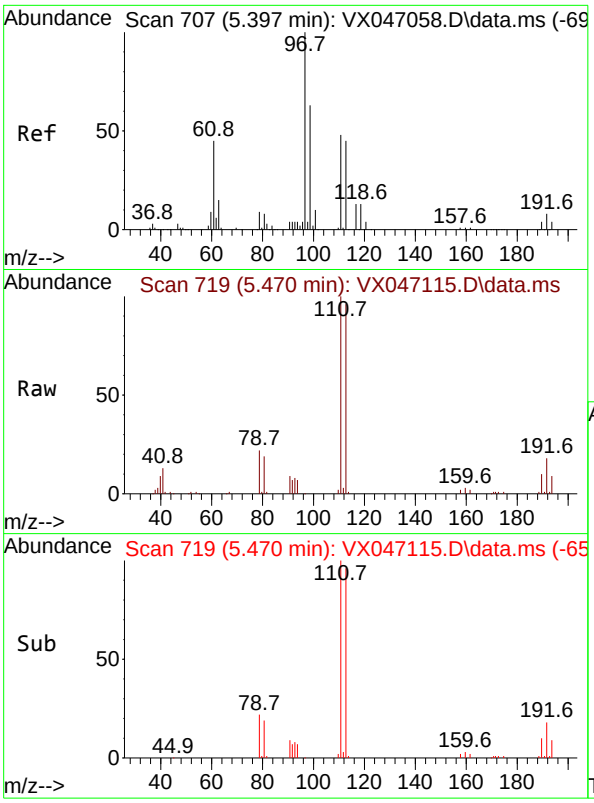


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.812 min Scan# 939
Delta R.T. 0.043 min
Lab File: VX047115.D
Acq: 24 Jul 2025 13:26

Tgt Ion:114 Resp: 578026

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.2
88	16.1	0.0	33.8

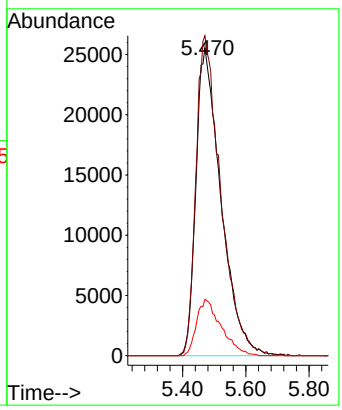




#35
Dibromofluoromethane
Concen: 39.164 ug/l
RT: 5.470 min Scan# 7
Delta R.T. 0.073 min
Lab File: VX047115.D
Acq: 24 Jul 2025 13:26

Tgt Ion:113 Resp: 13977

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	124.0
192	18.1	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXPL

Manual Integrations
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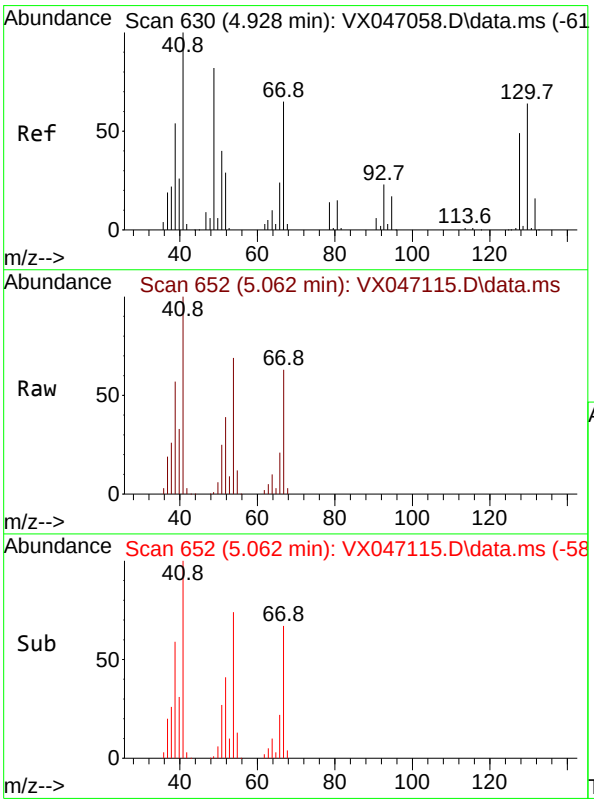
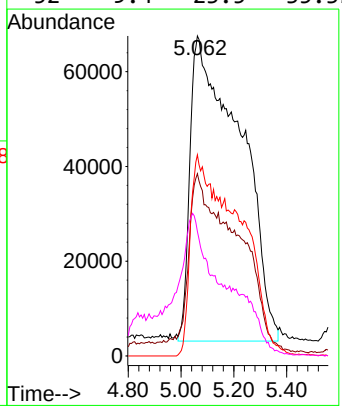
Supervised By :Mahesh Dadoda 07/25/2025

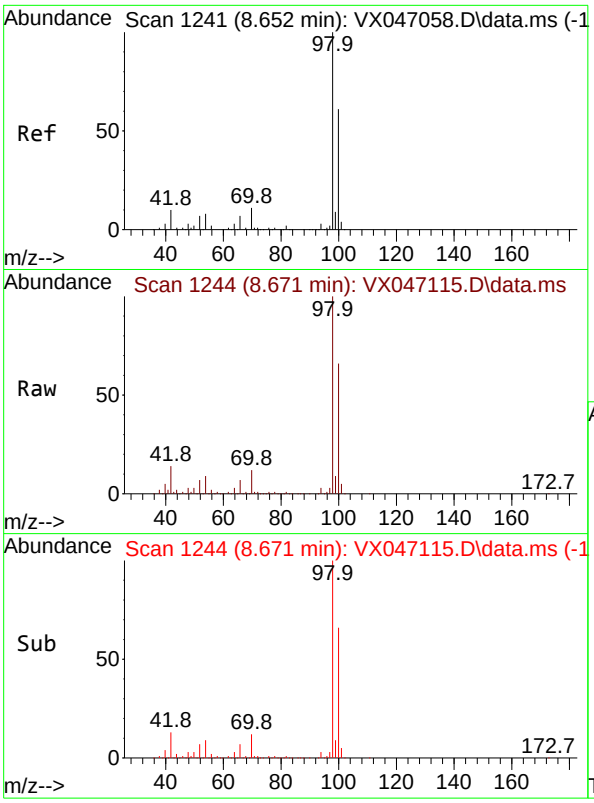


#41
Methacrylonitrile
Concen: 286.679 ug/l m
RT: 5.062 min Scan# 652
Delta R.T. 0.134 min
Lab File: VX047115.D
Acq: 24 Jul 2025 13:26

Tgt Ion: 41 Resp: 840264

Ion	Ratio	Lower	Upper
41	100		
39	28.6	44.2	66.2#
67	43.3	56.4	84.6#
52	9.4	23.5	35.3#

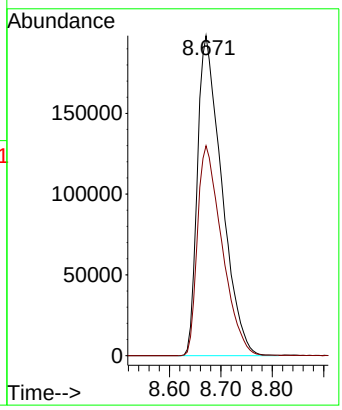




#50
Toluene-d8
Concen: 56.143 ug/l
RT: 8.671 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047115.D
Acq: 24 Jul 2025 13:26

Tgt Ion: 98 Resp: 64889

Ion	Ratio	Lower	Upper
98	100		
100	66.2	53.3	79.9



Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXPL

Manual Integrations
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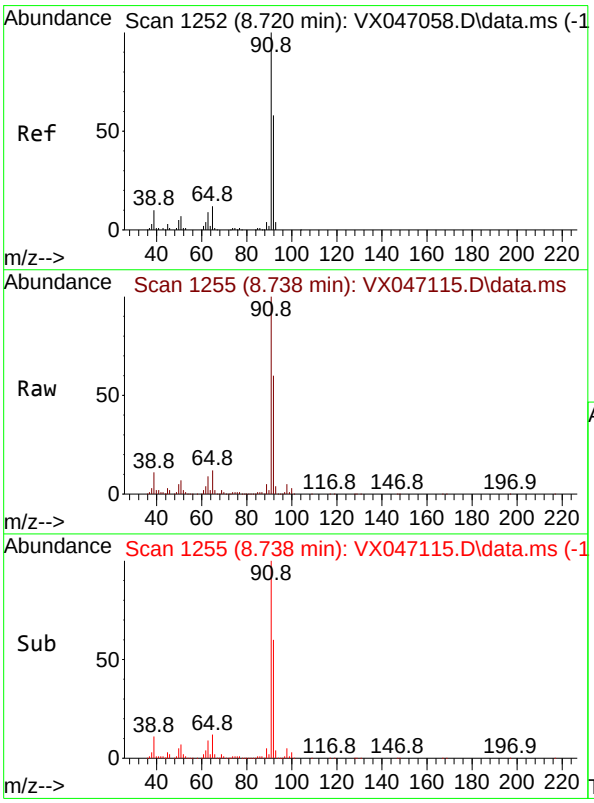
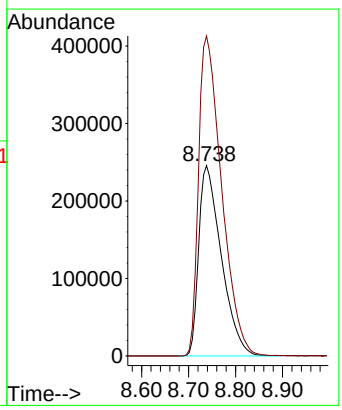
Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

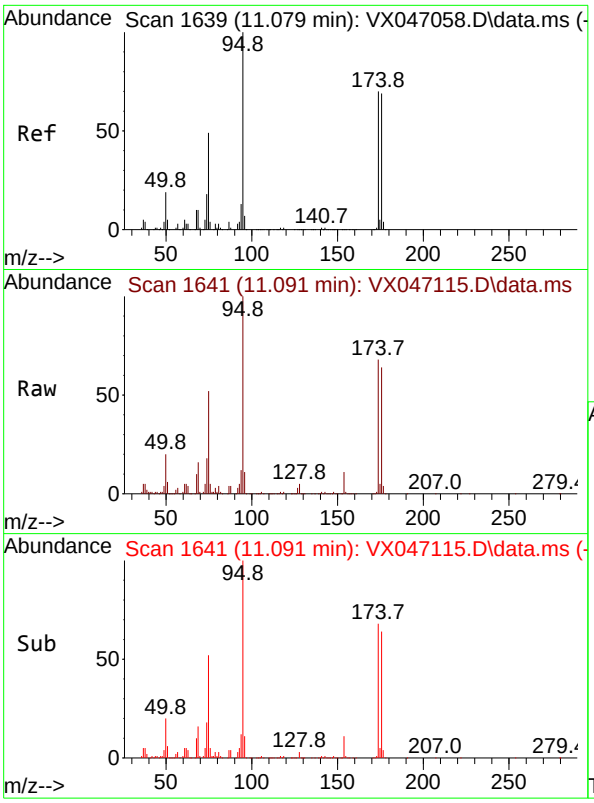


#52
Toluene
Concen: 75.785 ug/l
RT: 8.738 min Scan# 1255
Delta R.T. 0.019 min
Lab File: VX047115.D
Acq: 24 Jul 2025 13:26

Tgt Ion: 92 Resp: 820403

Ion	Ratio	Lower	Upper
92	100		
91	171.9	137.9	206.9

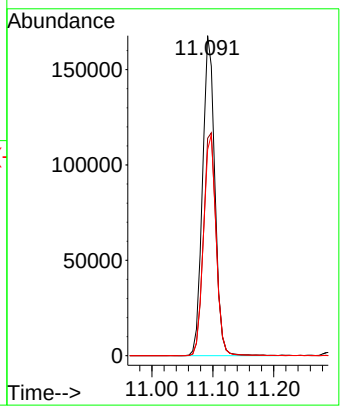




#62
4-Bromofluorobenzene
Concen: 47.329 ug/l
RT: 11.091 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX047115.D
Acq: 24 Jul 2025 13:26

Tgt Ion: 95 Resp: 23573

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	144.6
176	70.7	0.0	139.6



Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXPL

Manual Integrations
APPROVED

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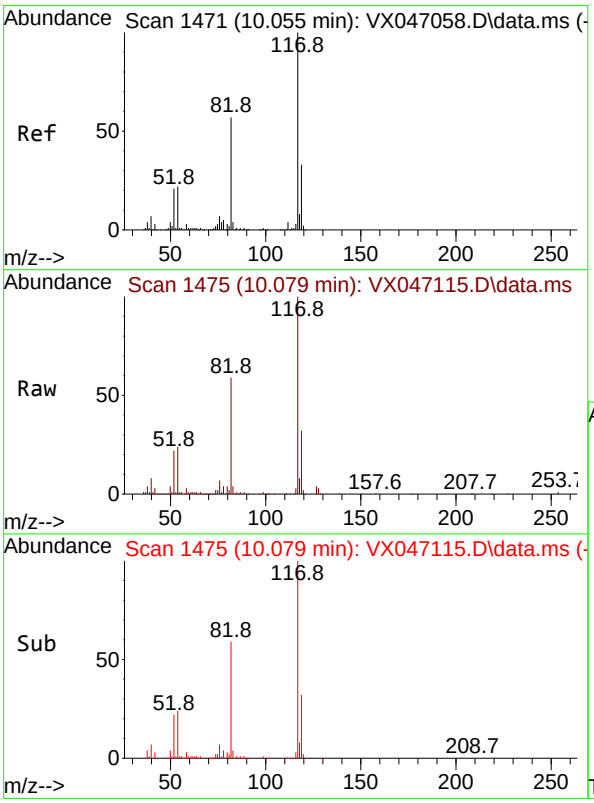
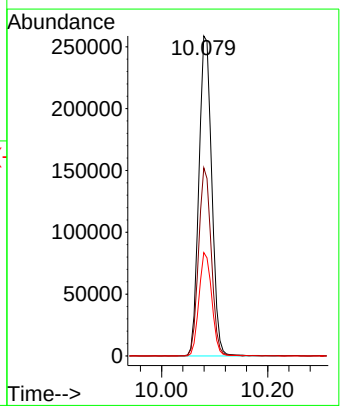
Supervised By :Mahesh Dadoda 07/25/2025

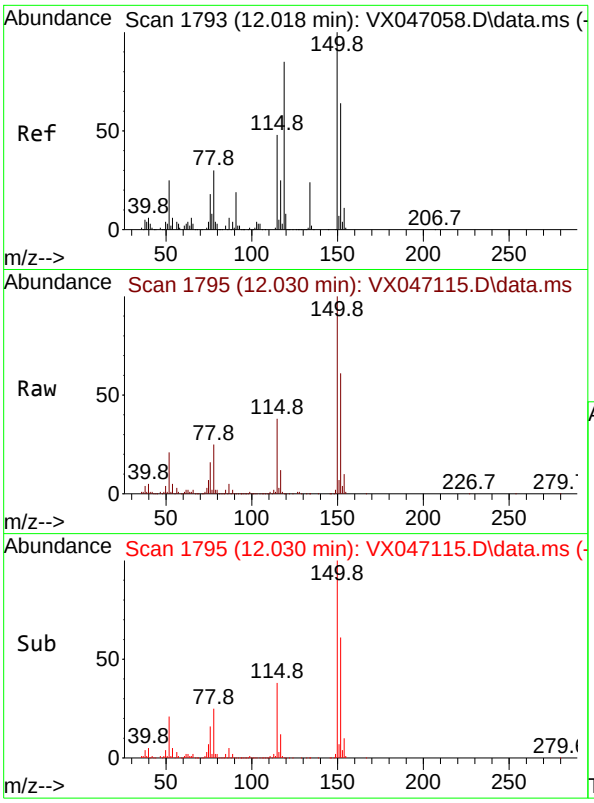


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.025 min
Lab File: VX047115.D
Acq: 24 Jul 2025 13:26

Tgt Ion:117 Resp: 434831

Ion	Ratio	Lower	Upper
117	100		
82	58.7	45.4	68.2
119	32.3	26.1	39.1

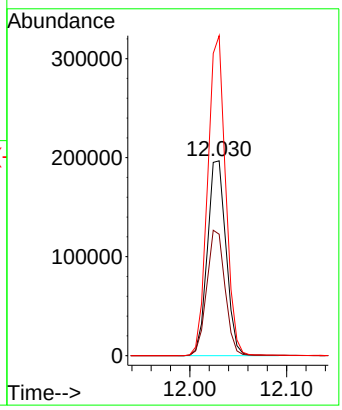




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.030 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX047115.D
Acq: 24 Jul 2025 13:26

Tgt Ion:152 Resp: 26429

Ion	Ratio	Lower	Upper
152	100		
115	63.1	45.6	136.7
150	158.1	0.0	354.6



Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXPL

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	06/27/25
Project:	CC2-16 Analytical	Date Received:	06/27/25
Client Sample ID:	CC0625-OXBL	SDG No.:	Q2481
Lab Sample ID:	Q2481-14	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047114.D	10	07/24/25 13:06	VX072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	2.30	50.0	ug/L
78-93-3	2-Butanone	9.80	U	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	U	2.50	50.0	ug/L
67-66-3	Chloroform	2.50	U	2.50	50.0	ug/L
71-43-2	Benzene	1.50	U	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	U	0.93	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	U	1.20	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		74 - 125	112%	SPK: 50
1868-53-7	Dibromofluoromethane	29.5	*	75 - 124	59%	SPK: 50
2037-26-5	Toluene-d8	56.1		86 - 113	112%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		77 - 121	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	452000	5.562			
540-36-3	1,4-Difluorobenzene	827000	6.769			
3114-55-4	Chlorobenzene-d5	796000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	406000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047114.D
Acq On : 24 Jul 2025 13:06
Operator : JC/MD
Sample : Q2481-14 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0625-OXBL

Quant Time: Jul 25 01:22:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

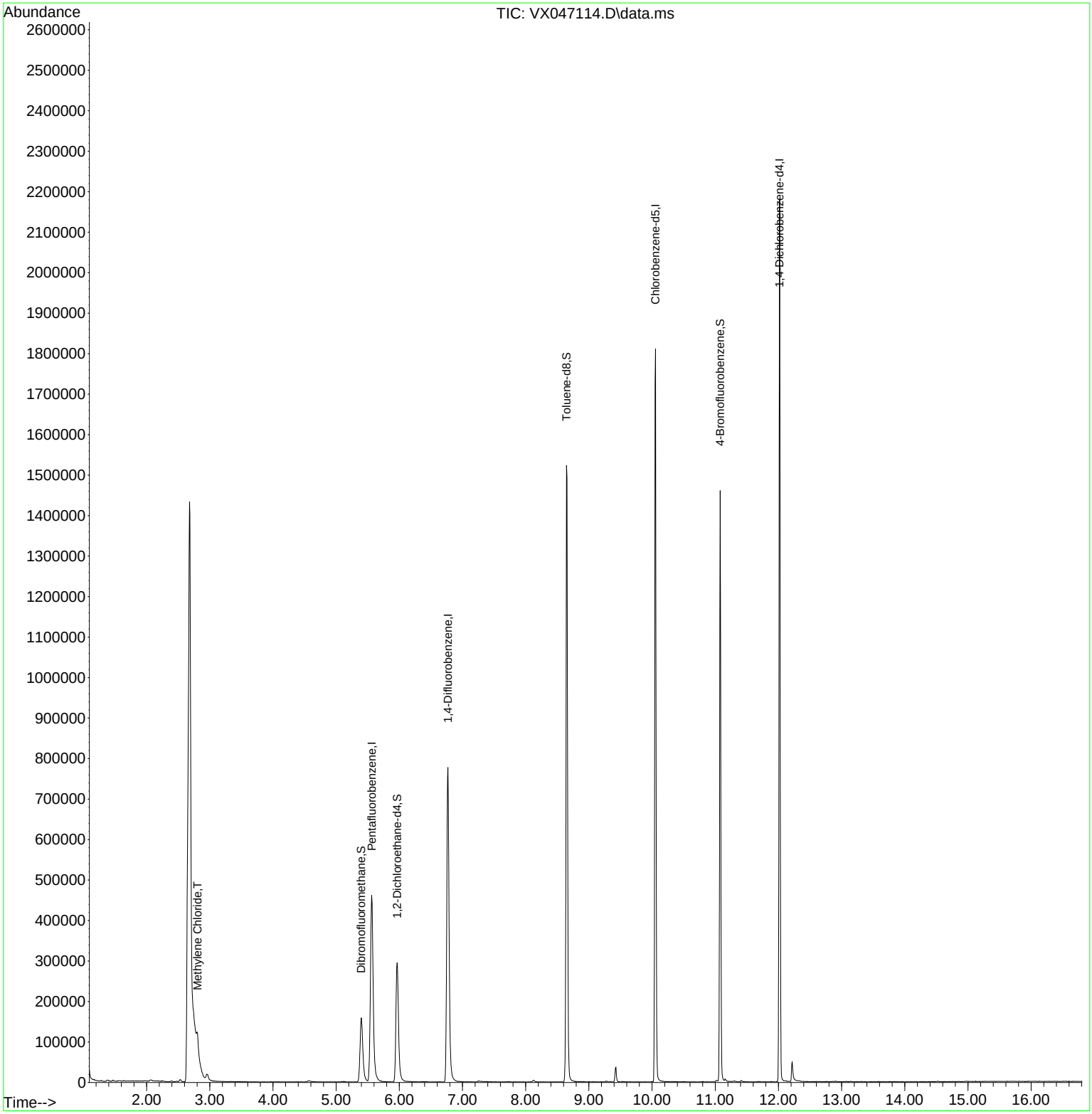
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	452175	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	826688	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	795791	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	405857	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	314379	55.813	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.620%			
35) Dibromofluoromethane	5.397	113	150580	29.501	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 59.000%#			
50) Toluene-d8	8.647	98	928052	56.144	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 112.280%#			
62) 4-Bromofluorobenzene	11.079	95	382770	53.733	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.460%			
Target Compounds						Qvalue
20) Methylene Chloride	2.806	84	16950	2.730	ug/l	95

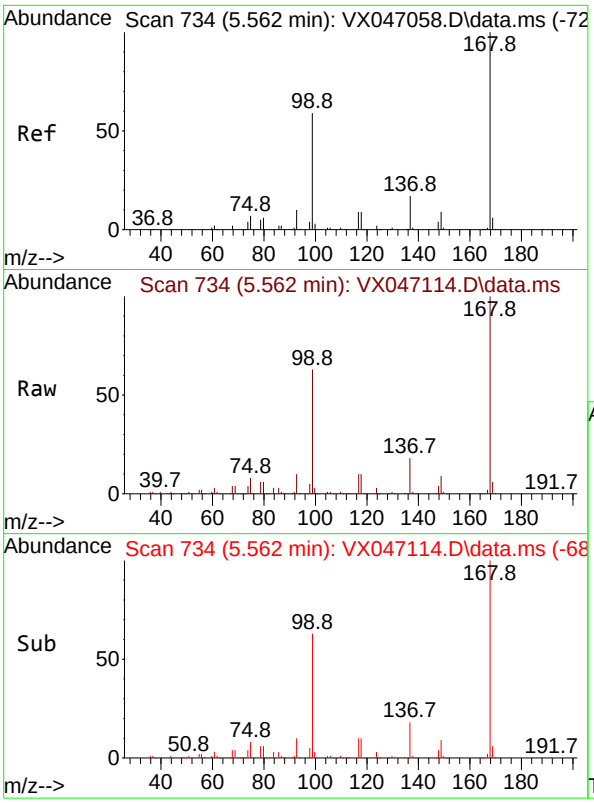
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047114.D
Acq On : 24 Jul 2025 13:06
Operator : JC/MD
Sample : Q2481-14 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0625-OXBL

Quant Time: Jul 25 01:22:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



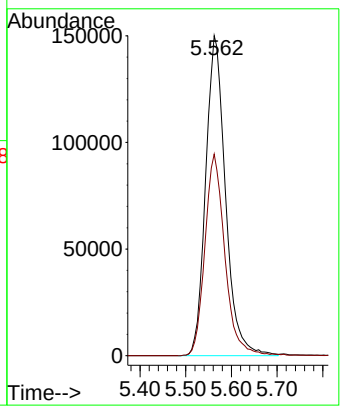


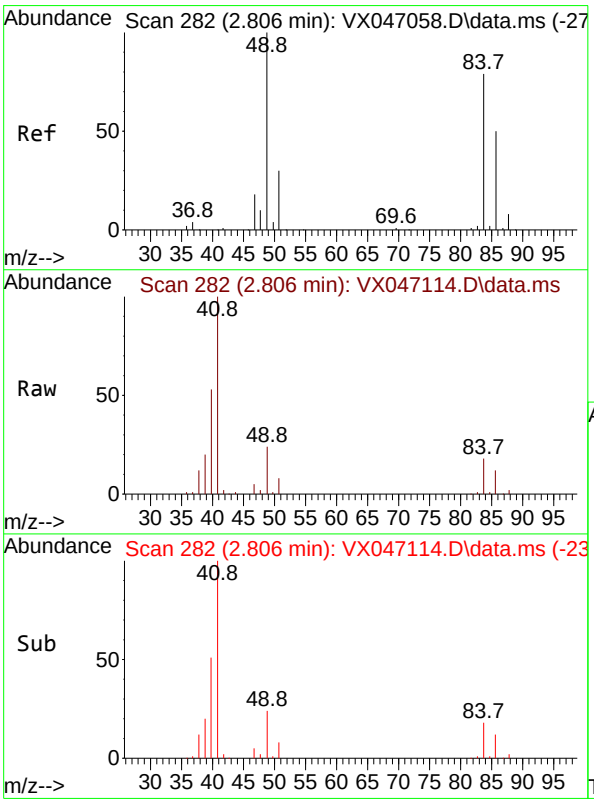
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
CC0625-OXBL

Tgt Ion:168 Resp: 452175

Ion	Ratio	Lower	Upper
168	100		
99	63.0	48.0	72.0

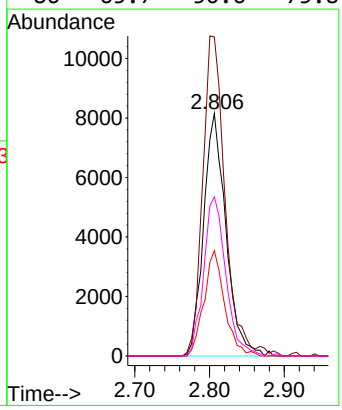


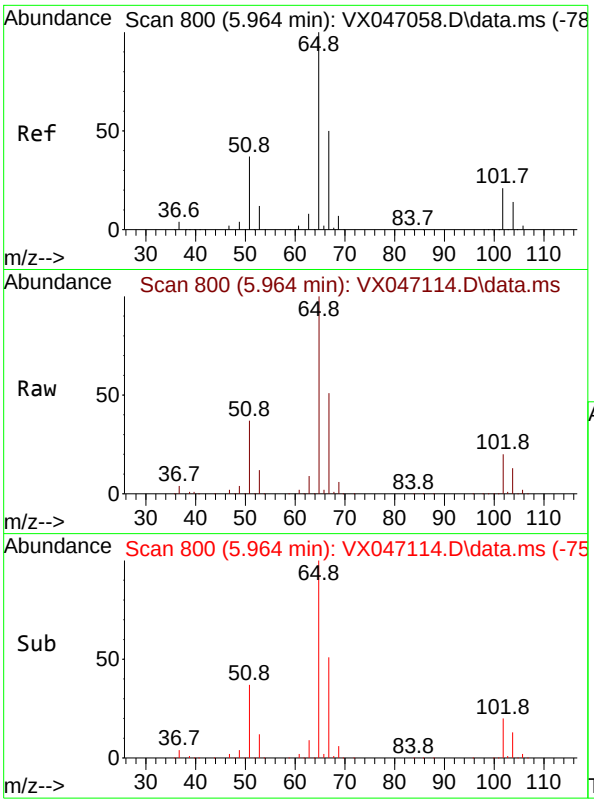


#20
Methylene Chloride
Concen: 2.730 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Tgt Ion: 84 Resp: 16950

Ion	Ratio	Lower	Upper
84	100		
49	131.6	101.6	152.4
51	43.4	30.3	45.5
86	65.7	50.6	75.8



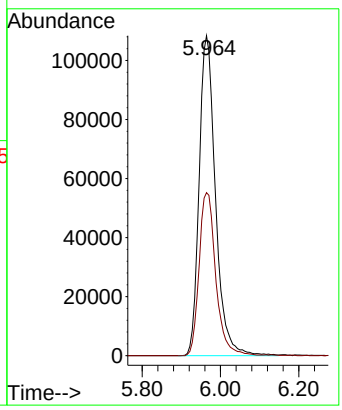


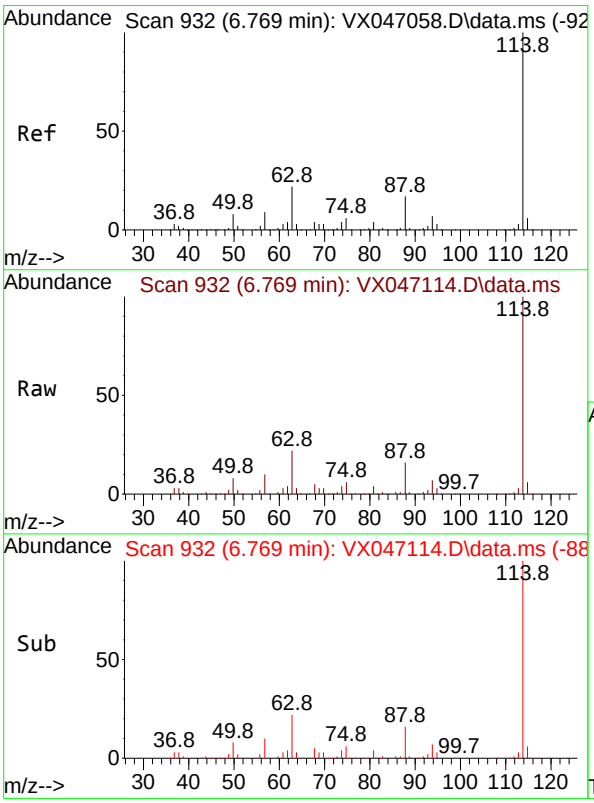
#33
1,2-Dichloroethane-d4
Concen: 55.813 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
CC0625-OXBL

Tgt Ion: 65 Resp: 314379

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.8

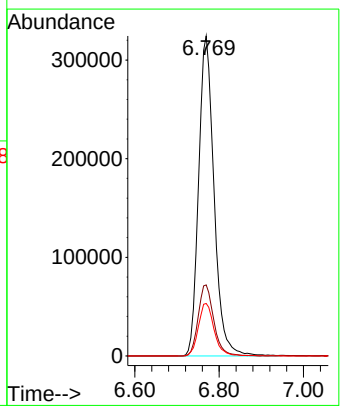


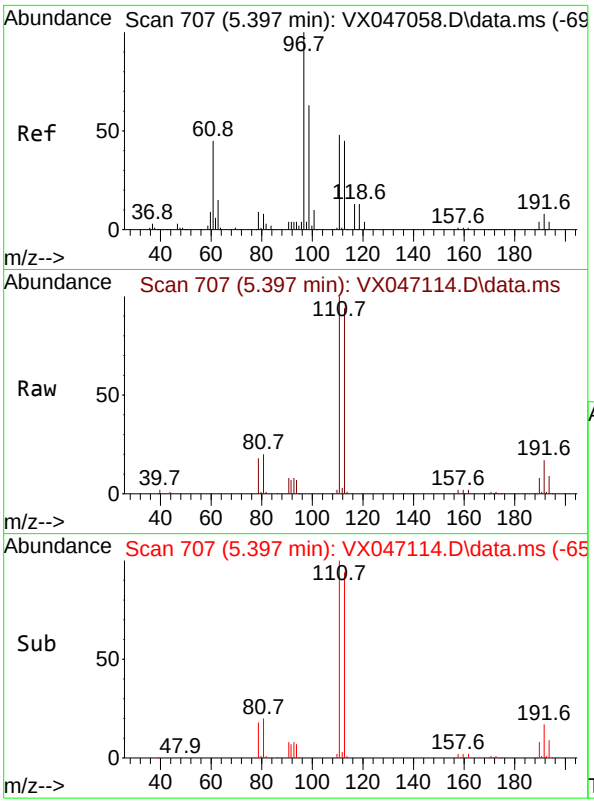


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Tgt Ion:114 Resp: 826688

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.2
88	16.4	0.0	33.8



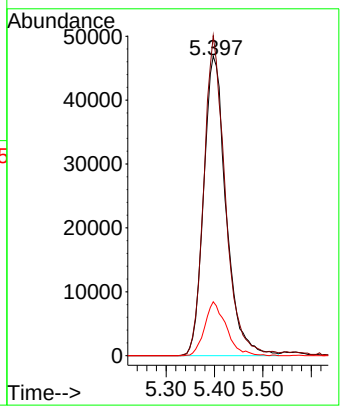


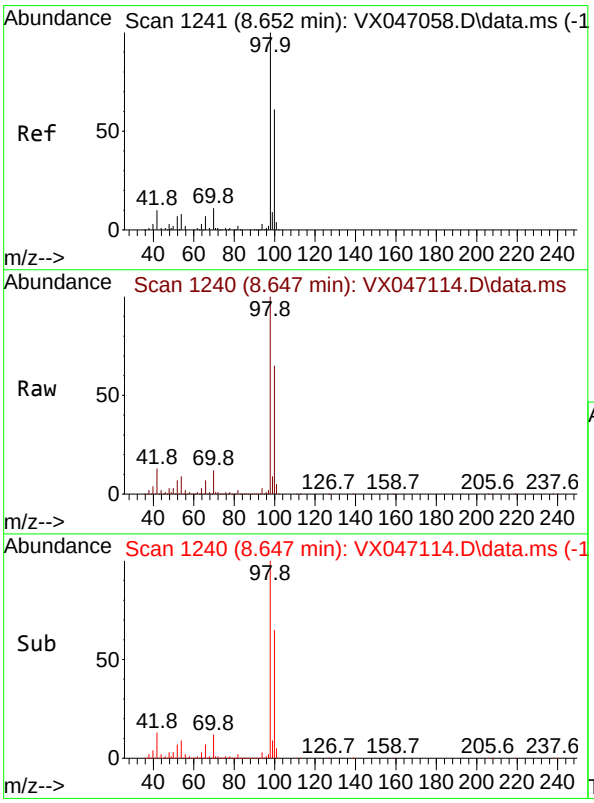
#35
Dibromofluoromethane
Concen: 29.501 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
CC0625-OXBL

Tgt Ion:113 Resp: 150580

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	124.0
192	17.4	14.9	22.3

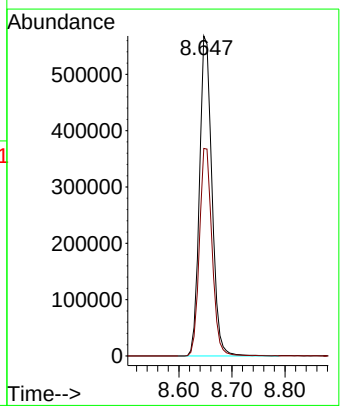


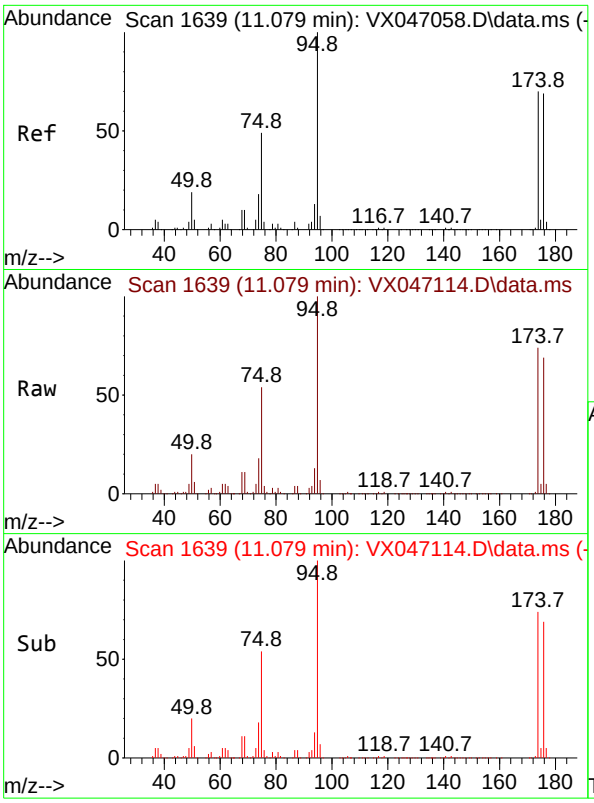


#50
Toluene-d8
Concen: 56.144 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Tgt Ion: 98 Resp: 928052

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.3	79.9



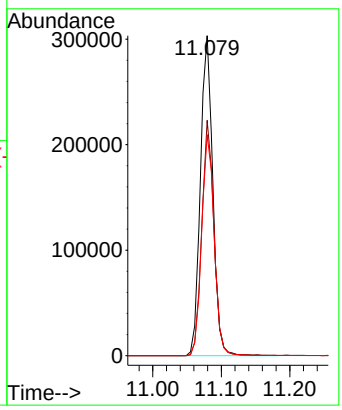


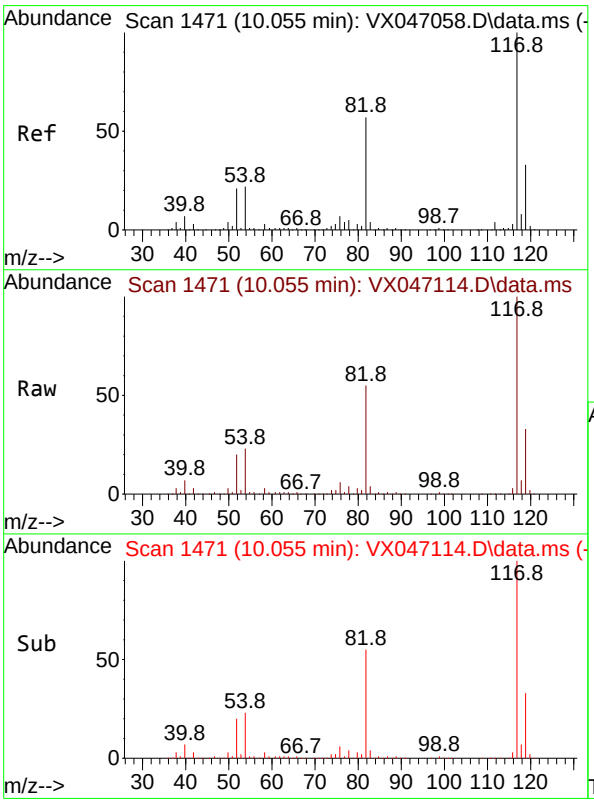
#62
4-Bromofluorobenzene
Concen: 53.733 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
CC0625-OXBL

Tgt Ion: 95 Resp: 382770

Ion	Ratio	Lower	Upper
95	100		
174	72.0	0.0	144.6
176	69.7	0.0	139.6

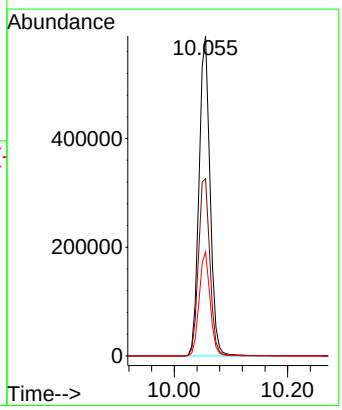


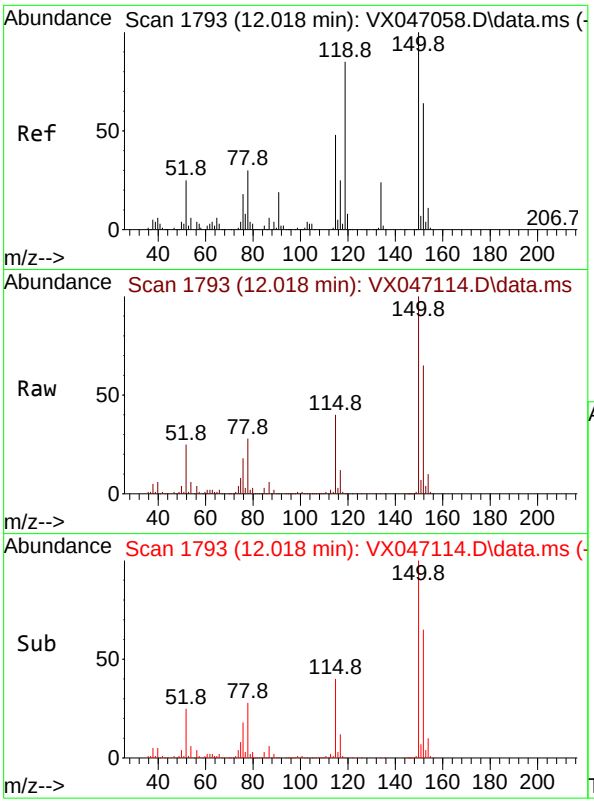


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Tgt Ion:117 Resp: 795791

Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.4	68.2
119	32.5	26.1	39.1



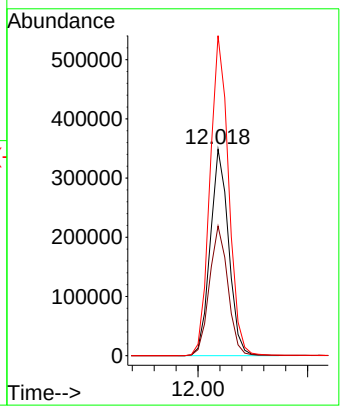


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047114.D
Acq: 24 Jul 2025 13:06

Instrument :
MSVOA_X
ClientSampleId :
CC0625-OXBL

Tgt Ion:152 Resp: 405857

Ion	Ratio	Lower	Upper
152	100		
115	63.1	45.6	136.7
150	158.2	0.0	354.6



Raw Data: **VX047118.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	06/27/25
Project:	CC2-16 Analytical	Date Received:	06/27/25
Client Sample ID:	CC0627-AOXL	SDG No.:	Q2481
Lab Sample ID:	Q2481-15	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047118.D	10	07/24/25 14:29	VX072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	2.30	50.0	ug/L
78-93-3	2-Butanone	9.80	U	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	U	2.50	50.0	ug/L
67-66-3	Chloroform	2.50	U	2.50	50.0	ug/L
71-43-2	Benzene	1.50	U	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	U	0.93	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	U	1.20	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.5		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	51.5		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	57.9	*	86 - 113	116%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	401000	5.562			
540-36-3	1,4-Difluorobenzene	750000	6.769			
3114-55-4	Chlorobenzene-d5	708000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	355000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047118.D
Acq On : 24 Jul 2025 14:29
Operator : JC/MD
Sample : Q2481-15 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AOXL

Quant Time: Jul 25 01:58:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

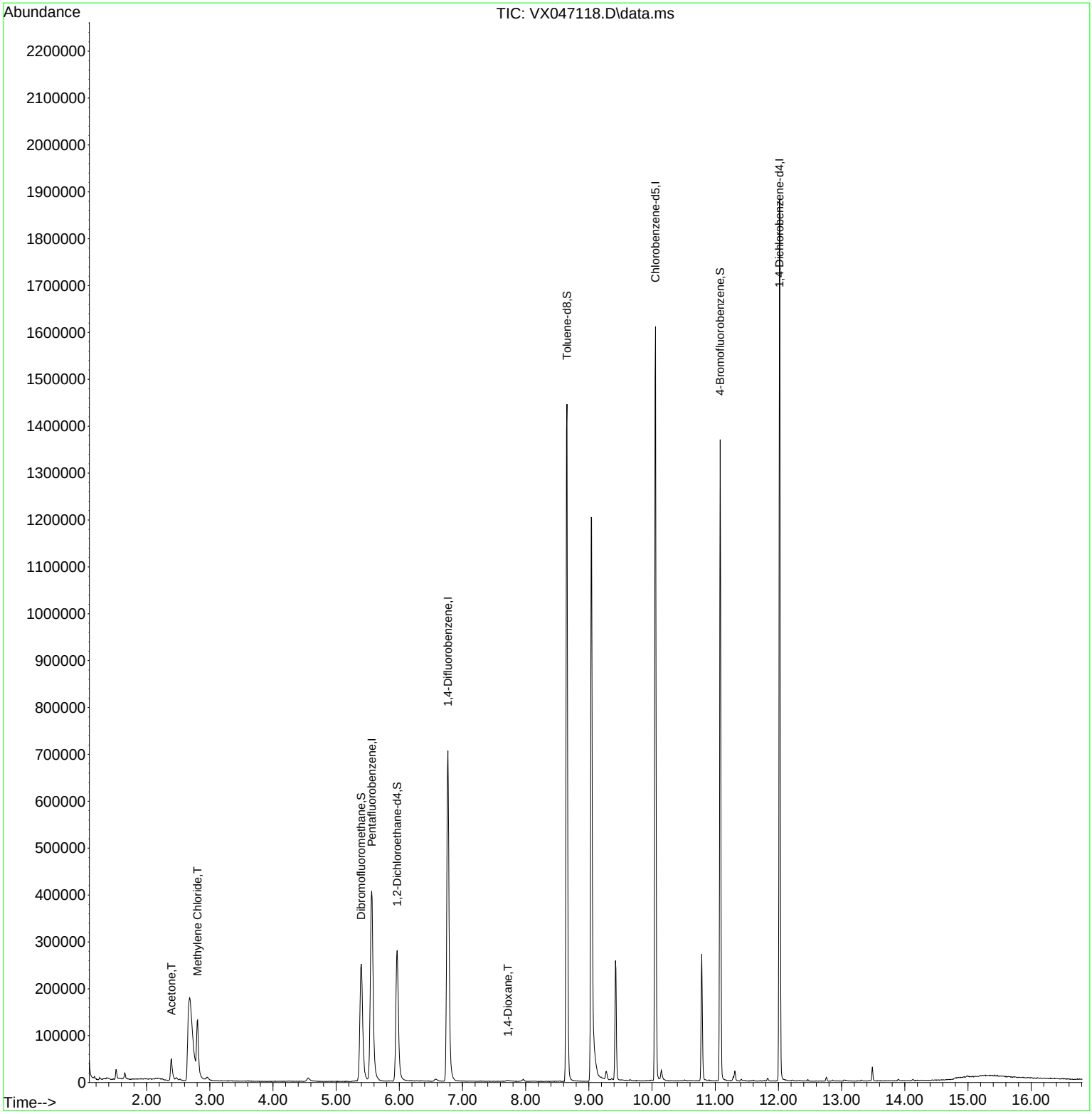
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	401016	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	749846	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	708181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	355368	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	297329	59.521	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.040%#			
35) Dibromofluoromethane	5.397	113	238248	51.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.920%			
50) Toluene-d8	8.653	98	867547	57.862	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 115.720%#			
62) 4-Bromofluorobenzene	11.079	95	359727	55.674	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.340%			
Target Compounds						Qvalue
16) Acetone	2.392	43	67495	33.728	ug/l	96
20) Methylene Chloride	2.806	84	55826	10.140	ug/l	99
49) 1,4-Dioxane	7.720	88	2646	37.669	ug/l #	69

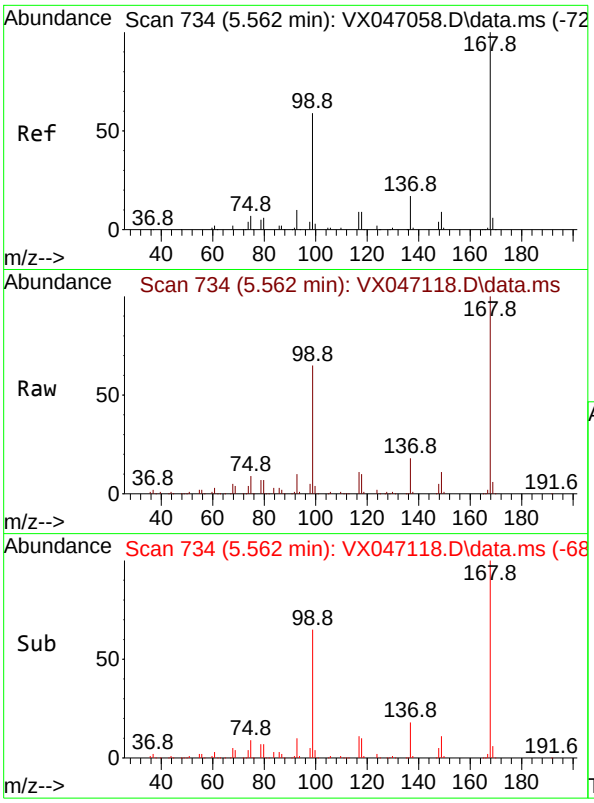
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047118.D
Acq On : 24 Jul 2025 14:29
Operator : JC/MD
Sample : Q2481-15 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AOXL

Quant Time: Jul 25 01:58:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



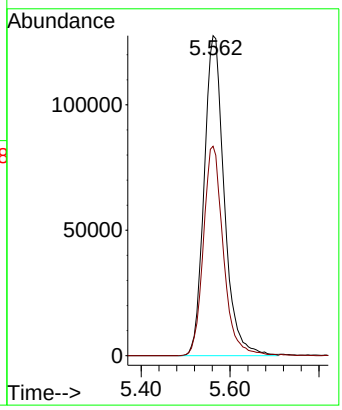


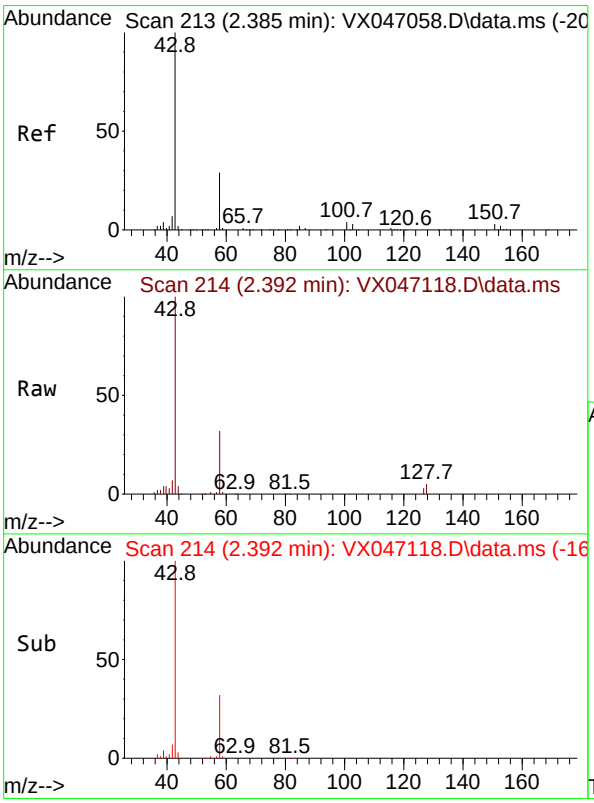
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AOXL

Tgt Ion:168 Resp: 401016

Ion	Ratio	Lower	Upper
168	100		
99	65.5	48.0	72.0

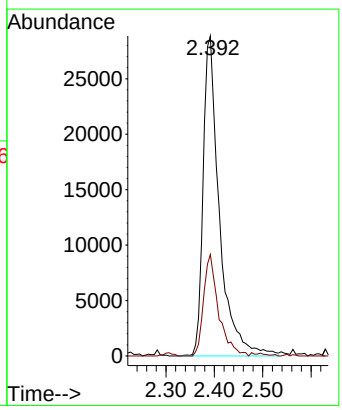


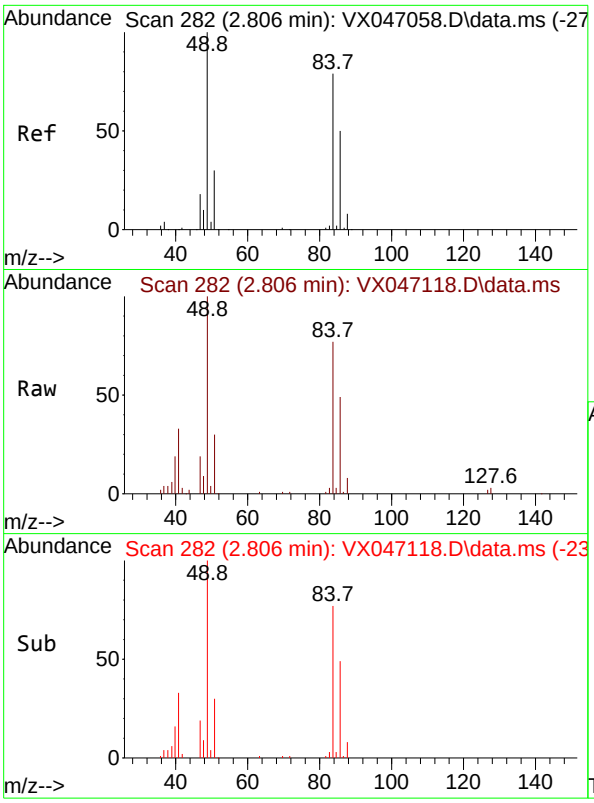


#16
Acetone
Concen: 33.728 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion: 43 Resp: 67495

Ion	Ratio	Lower	Upper
43	100		
58	32.2	24.0	36.0



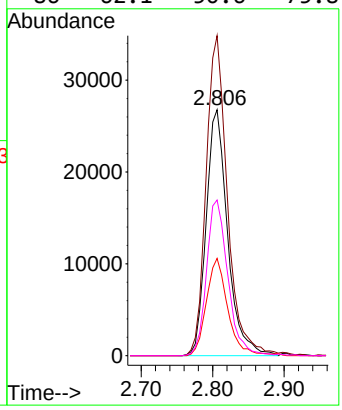


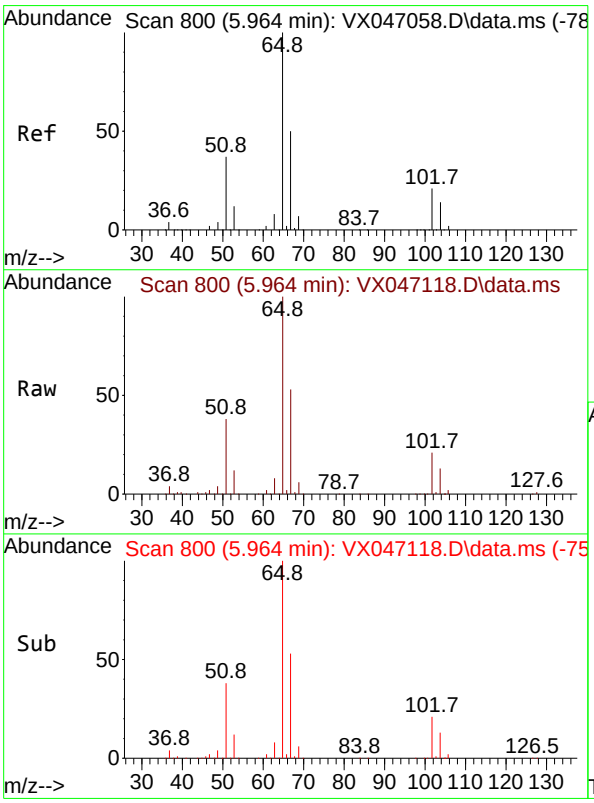
#20
Methylene Chloride
Concen: 10.140 ug/l
RT: 2.806 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AOXL

Tgt Ion: 84 Resp: 55826

Ion	Ratio	Lower	Upper
84	100		
49	125.6	101.6	152.4
51	38.2	30.3	45.5
86	62.1	50.6	75.8

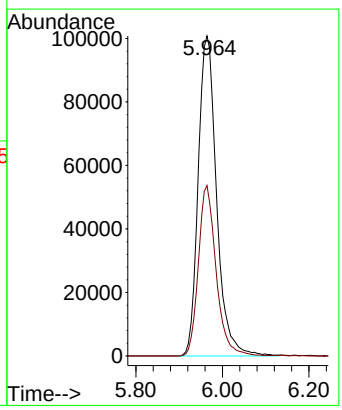


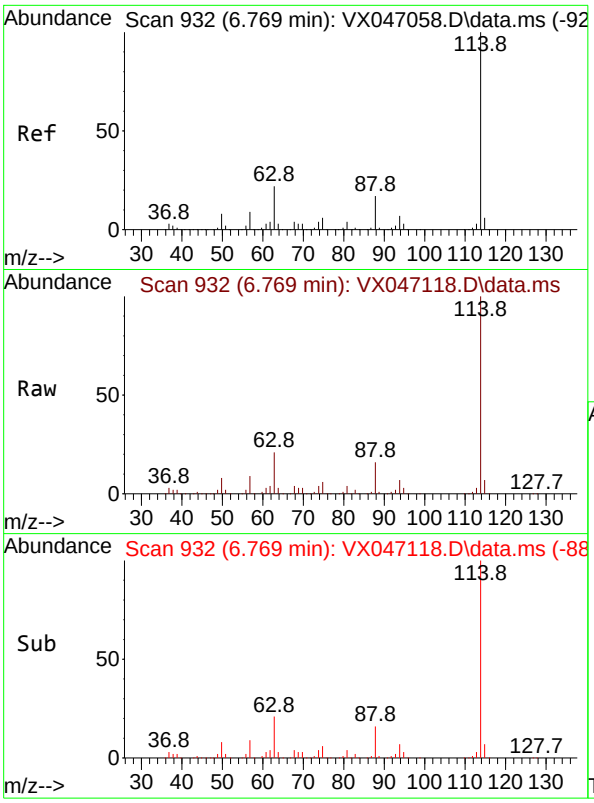


#33
1,2-Dichloroethane-d4
Concen: 59.521 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion: 65 Resp: 297329

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.8



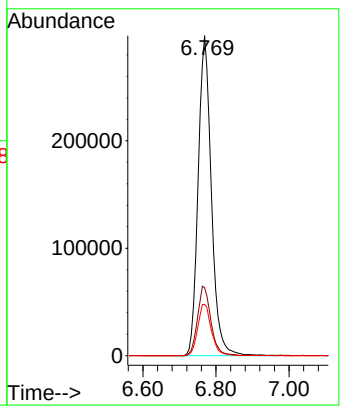


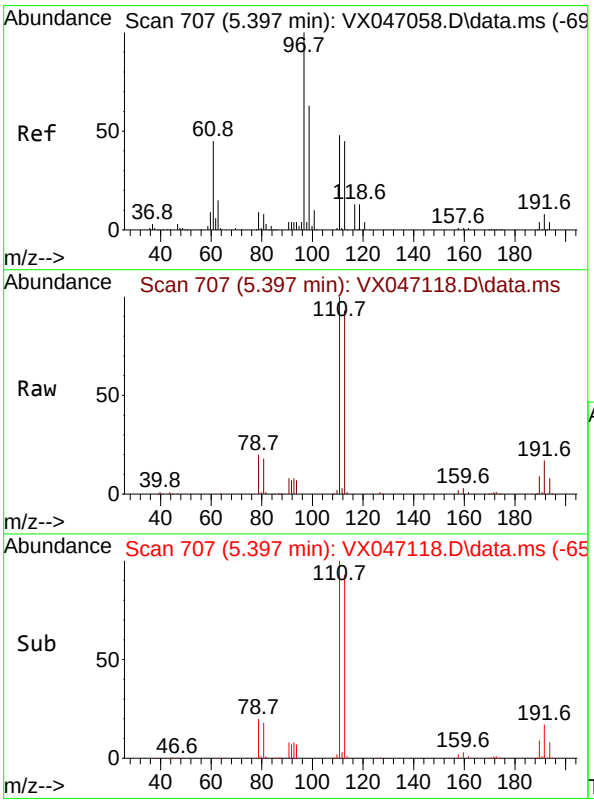
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AOXL

Tgt Ion:114 Resp: 749846

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.2
88	16.0	0.0	33.8

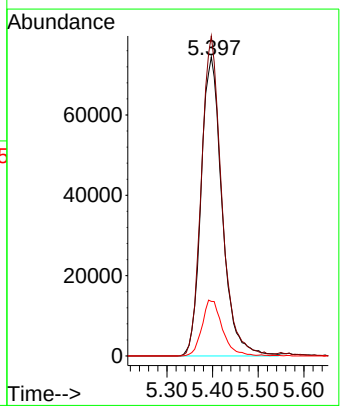


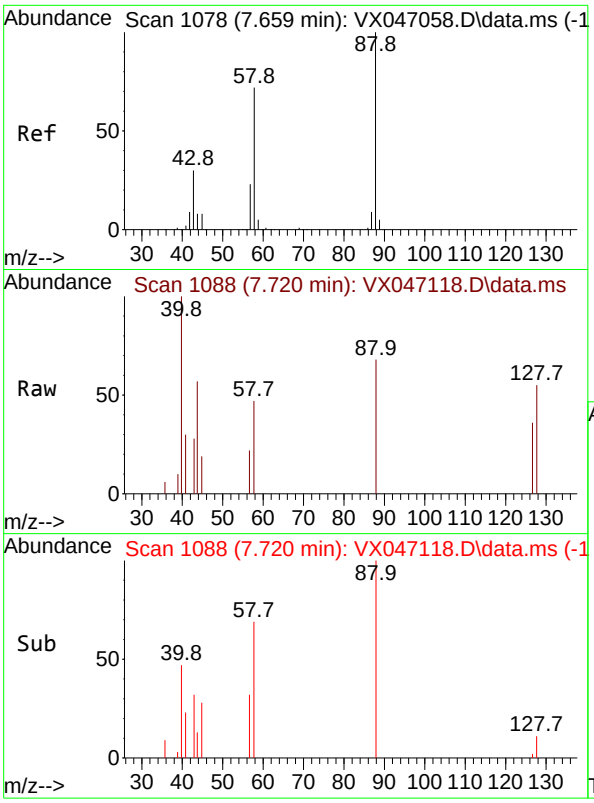


#35
Dibromofluoromethane
Concen: 51.460 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion:113 Resp: 238248

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.6	124.0
192	18.0	14.9	22.3



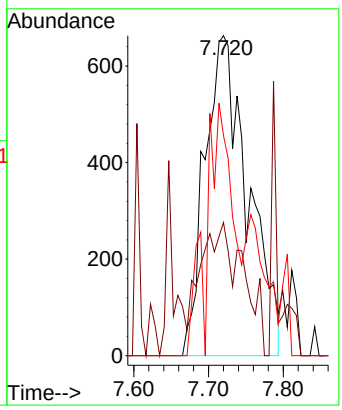


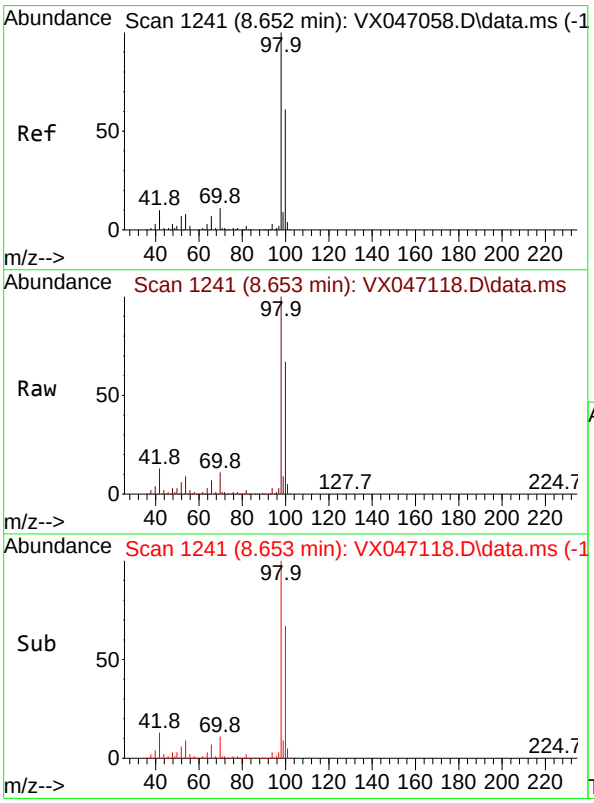
#49
1,4-Dioxane
Concen: 37.669 ug/l
RT: 7.720 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AOXL

Tgt Ion: 88 Resp: 2646

Ion	Ratio	Lower	Upper
88	100		
43	21.2	33.6	50.4#
58	48.9	58.8	88.2#

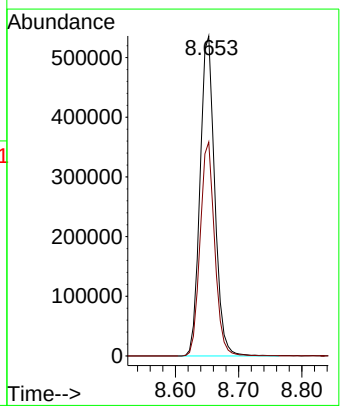


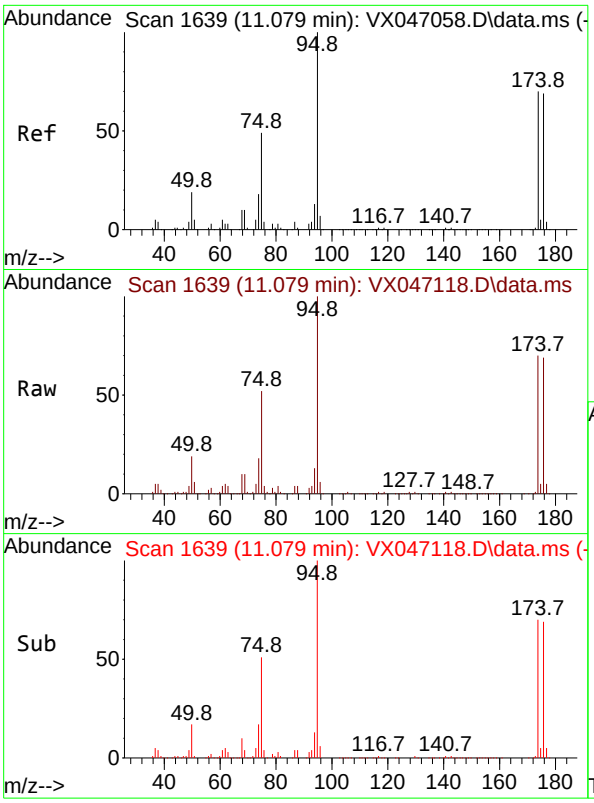


#50
Toluene-d8
Concen: 57.862 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion: 98 Resp: 867547

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9



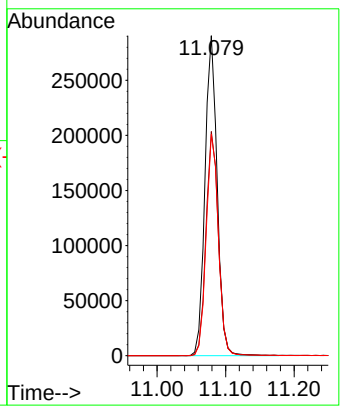


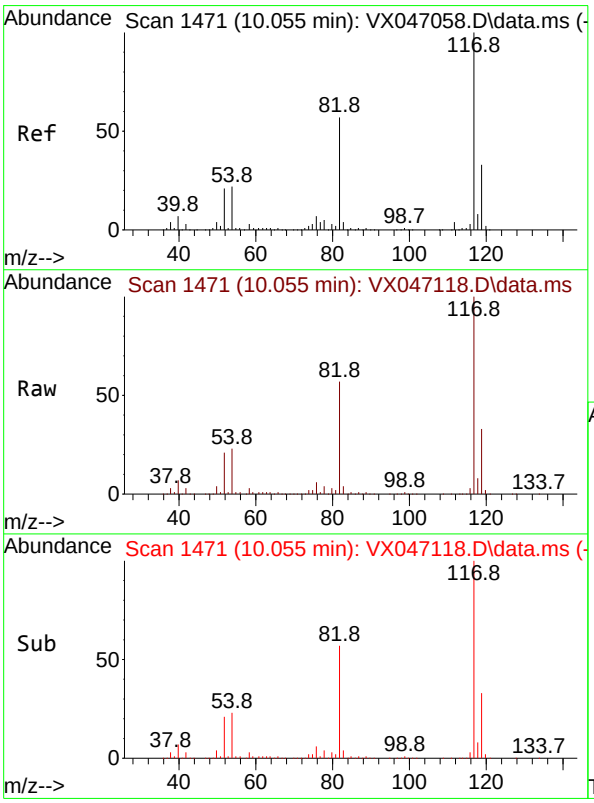
#62
4-Bromofluorobenzene
Concen: 55.674 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AOXL

Tgt Ion: 95 Resp: 359727

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	144.6
176	69.5	0.0	139.6

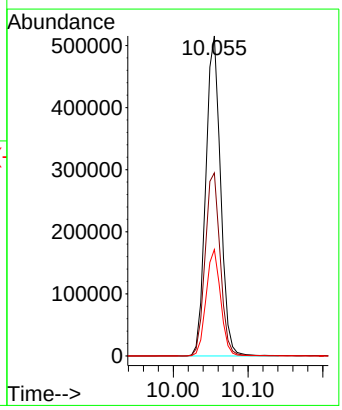


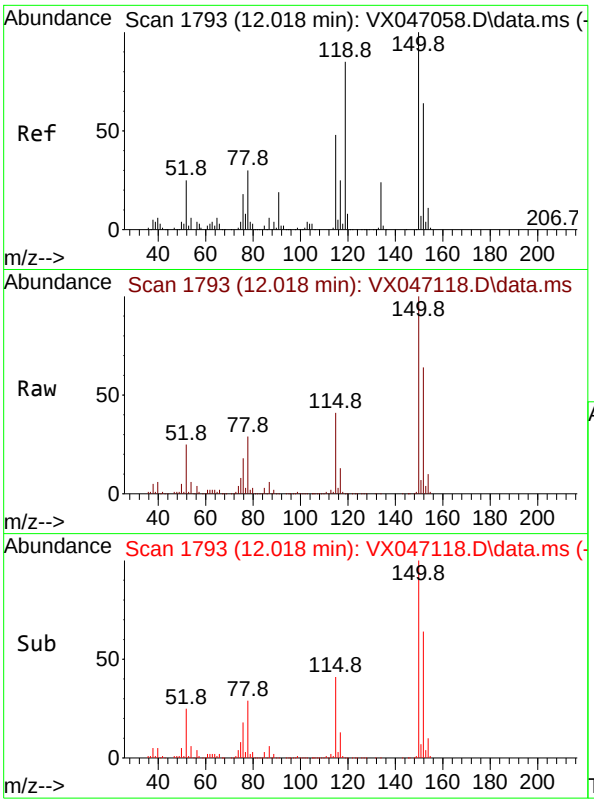


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Tgt Ion:117 Resp: 708181

Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.4	68.2
119	33.2	26.1	39.1



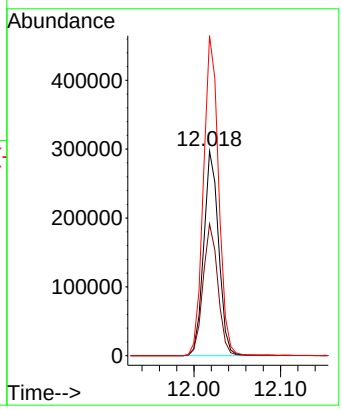


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047118.D
Acq: 24 Jul 2025 14:29

Instrument :
MSVOA_X
ClientSampleId :
CC0627-AOXL

Tgt Ion:152 Resp: 355368

Ion	Ratio	Lower	Upper
152	100		
115	64.3	45.6	136.7
150	159.4	0.0	354.6



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	06/27/25
Project:	CC2-16 Analytical	Date Received:	06/27/25
Client Sample ID:	CC0625-NL	SDG No.:	Q2481
Lab Sample ID:	Q2481-16	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047119.D	10	07/24/25 14:50	VX072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	2.30	50.0	ug/L
78-93-3	2-Butanone	9.80	U	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	U	2.50	50.0	ug/L
67-66-3	Chloroform	2.50	U	2.50	50.0	ug/L
71-43-2	Benzene	1.50	U	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	U	0.93	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	U	1.20	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		74 - 125	100%	SPK: 50
1868-53-7	Dibromofluoromethane	42.6		75 - 124	85%	SPK: 50
2037-26-5	Toluene-d8	51.2		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.5		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	396000	5.562			
540-36-3	1,4-Difluorobenzene	749000	6.769			
3114-55-4	Chlorobenzene-d5	690000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	372000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047119.D
Acq On : 24 Jul 2025 14:50
Operator : JC/MD
Sample : Q2481-16 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0625-NL

Quant Time: Jul 25 01:24:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

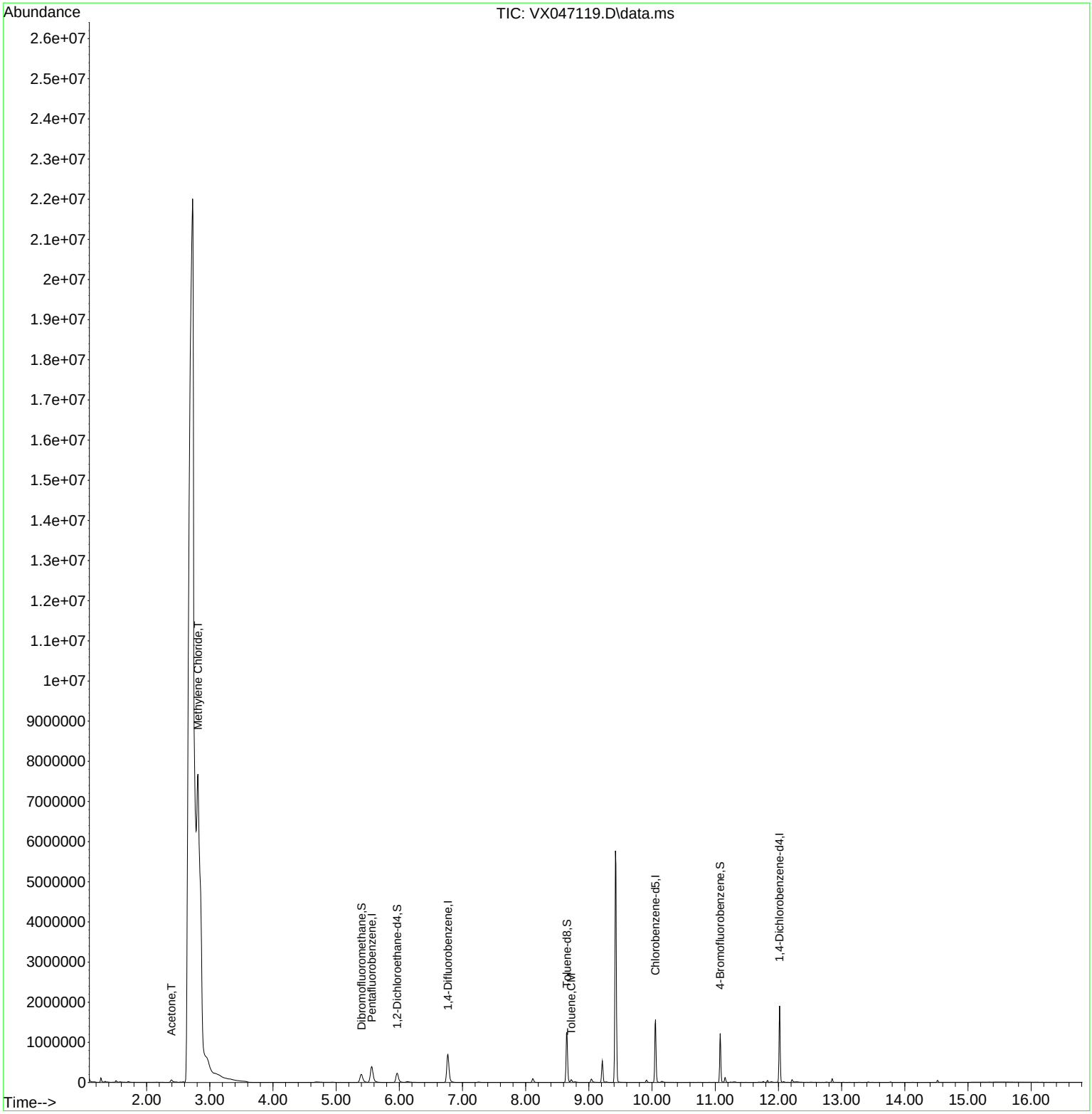
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	396009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	749209	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	689935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	372334	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	246707	50.011	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.020%			
35) Dibromofluoromethane	5.403	113	196961	42.578	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 85.160%			
50) Toluene-d8	8.653	98	767237	51.215	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.420%			
62) 4-Bromofluorobenzene	11.079	95	319376	49.471	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.940%			
Target Compounds						Qvalue
16) Acetone	2.392	43	108888	55.100	ug/l	98
20) Methylene Chloride	2.812	84	1182210	217.451	ug/l	96
52) Toluene	8.720	92	26302	1.875	ug/l	98

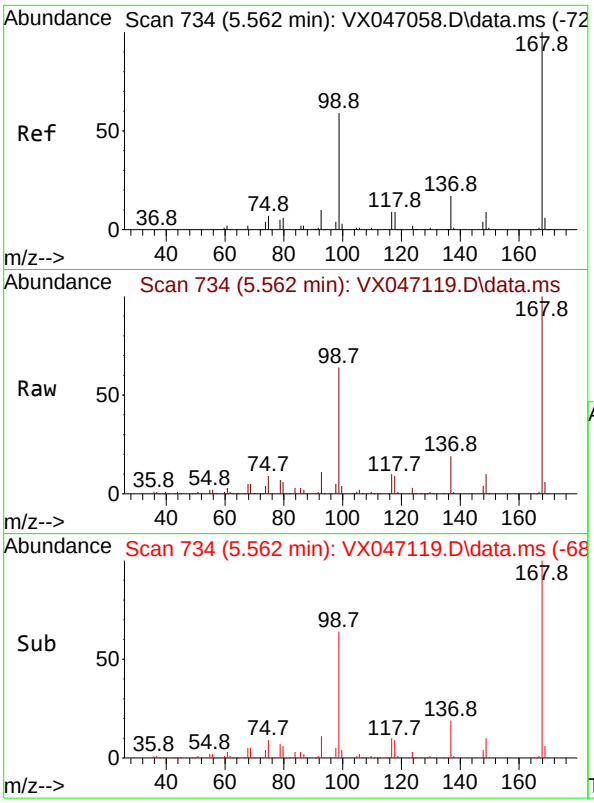
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047119.D
Acq On : 24 Jul 2025 14:50
Operator : JC/MD
Sample : Q2481-16 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0625-NL

Quant Time: Jul 25 01:24:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



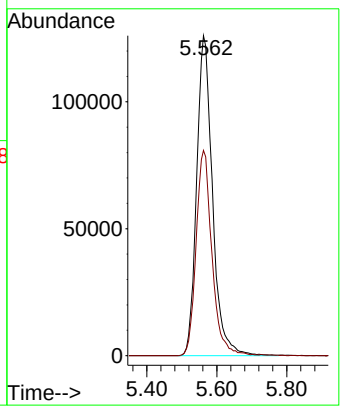


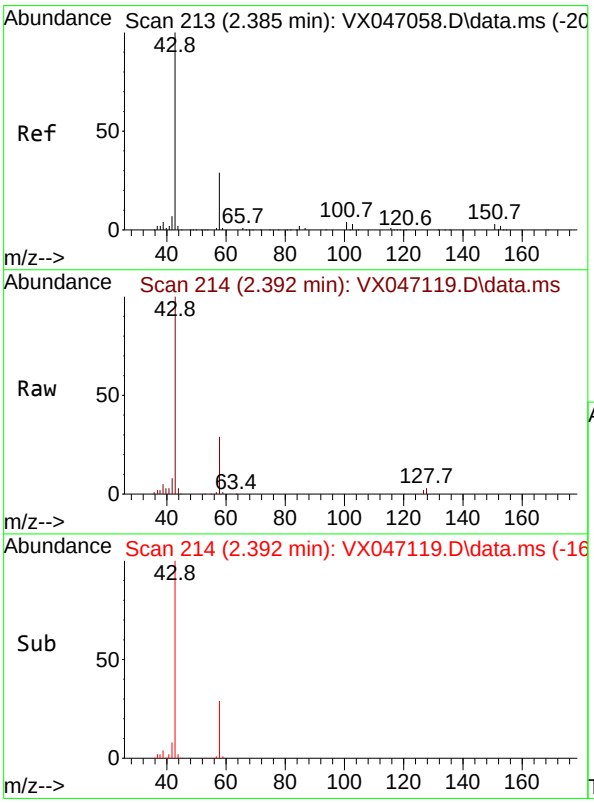
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
CC0625-NL

Tgt Ion:168 Resp: 396009

Ion	Ratio	Lower	Upper
168	100		
99	64.2	48.0	72.0

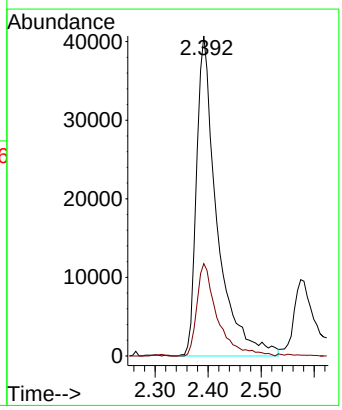


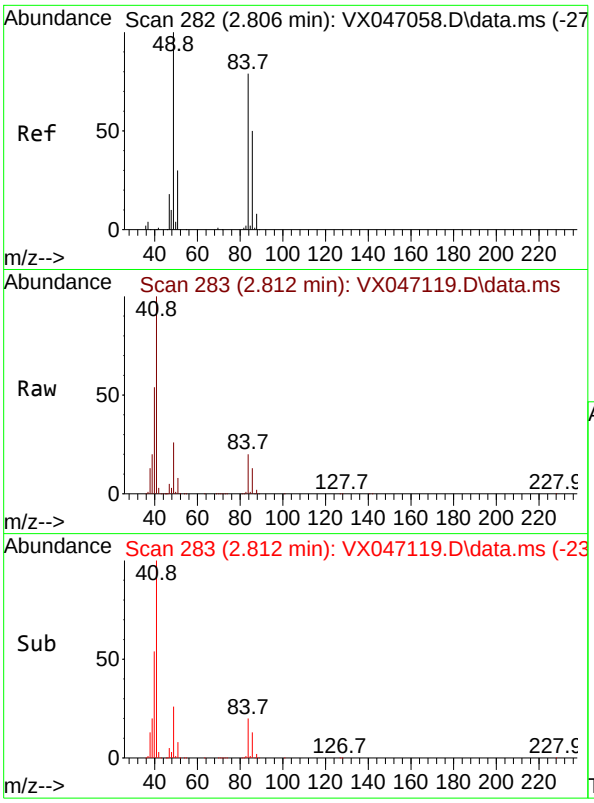


#16
Acetone
Concen: 55.100 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Tgt Ion: 43 Resp: 108888

Ion	Ratio	Lower	Upper
43	100		
58	29.1	24.0	36.0



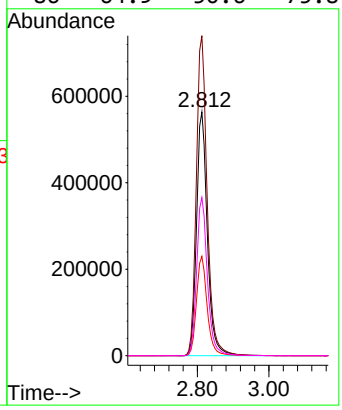


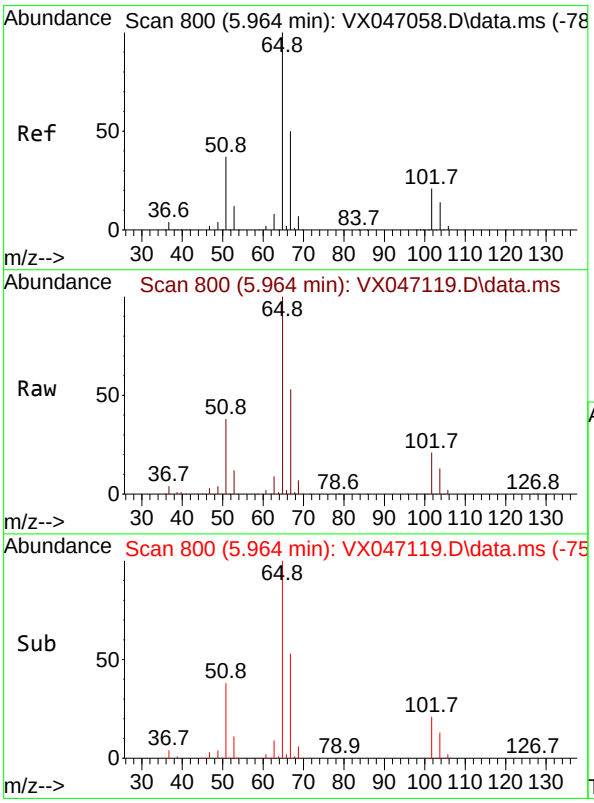
#20
Methylene Chloride
Concen: 217.451 ug/l
RT: 2.812 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
CC0625-NL

Tgt Ion: 84 Resp: 1182210

Ion	Ratio	Lower	Upper
84	100		
49	131.4	101.6	152.4
51	40.8	30.3	45.5
86	64.9	50.6	75.8

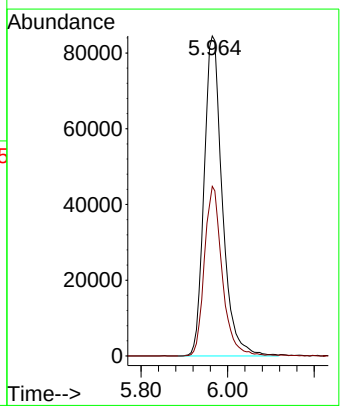


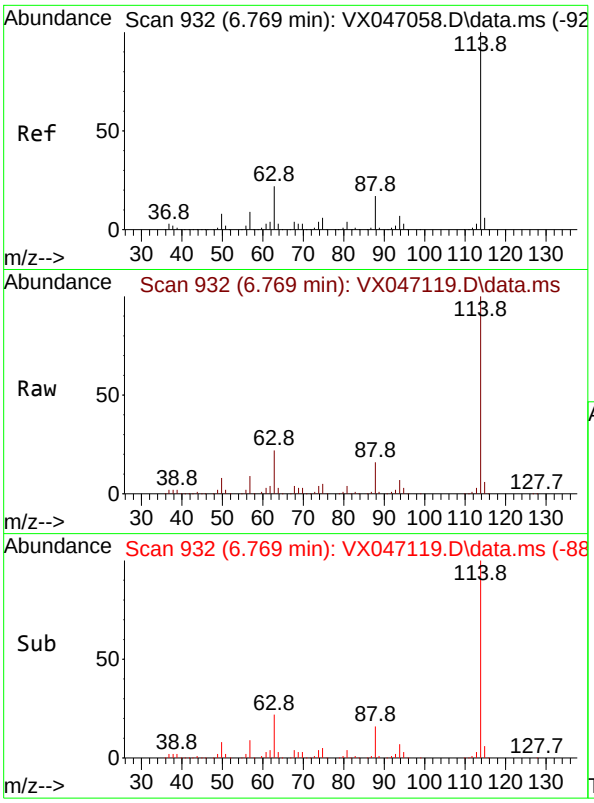


#33
1,2-Dichloroethane-d4
Concen: 50.011 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Tgt Ion: 65 Resp: 246707

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8



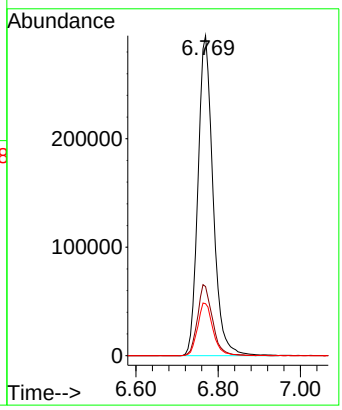


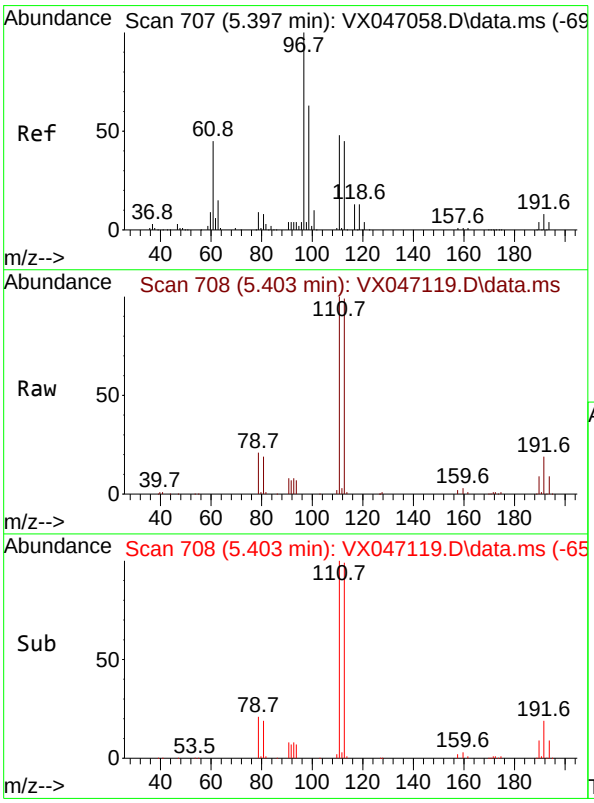
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
CC0625-NL

Tgt Ion:114 Resp: 749209

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	16.3	0.0	33.8

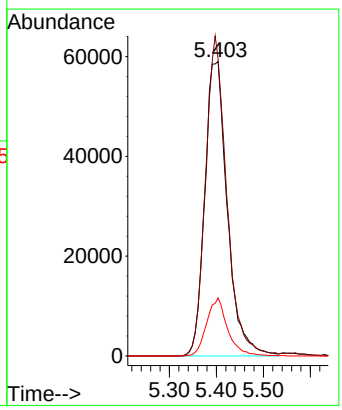


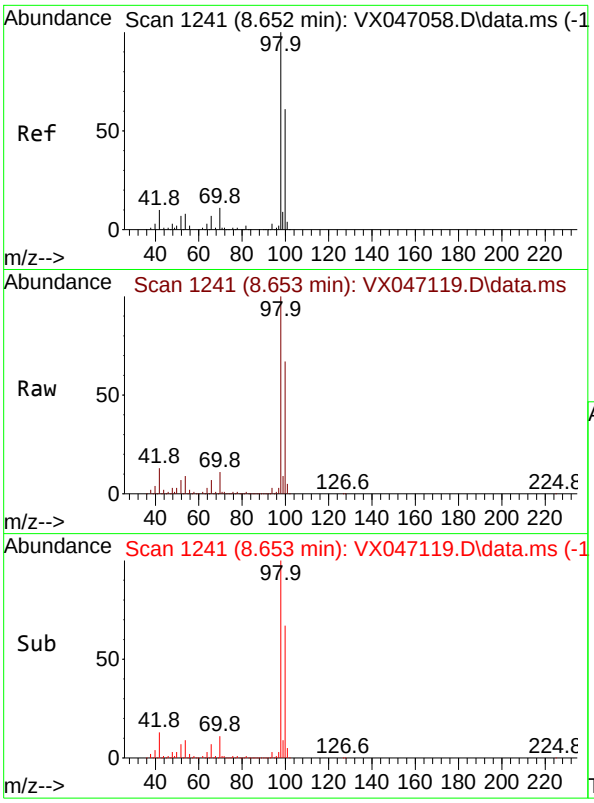


#35
Dibromofluoromethane
Concen: 42.578 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Tgt Ion:113 Resp: 196961

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	124.0
192	18.3	14.9	22.3



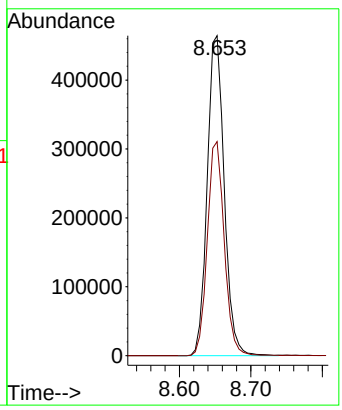


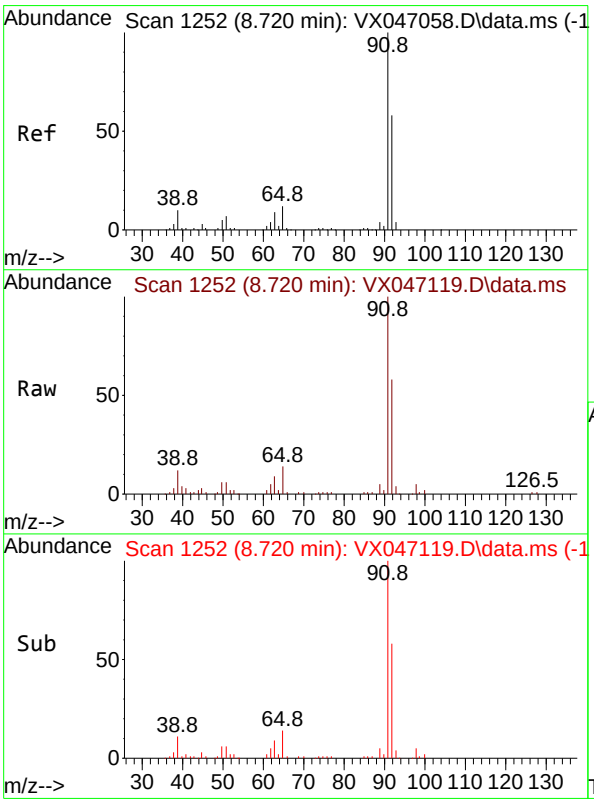
#50
Toluene-d8
Concen: 51.215 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
CC0625-NL

Tgt Ion: 98 Resp: 767237

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9

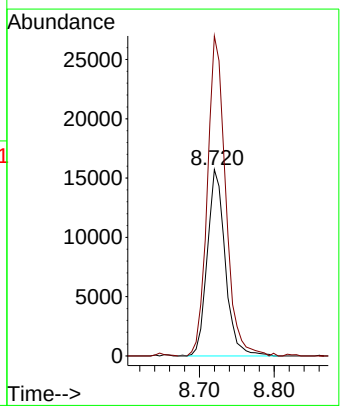


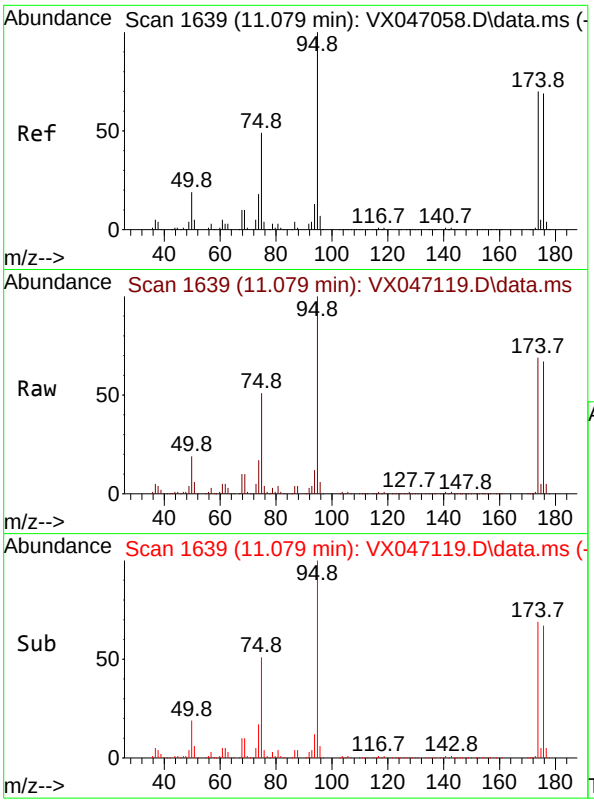


#52
Toluene
Concen: 1.875 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Tgt Ion: 92 Resp: 26302

Ion	Ratio	Lower	Upper
92	100		
91	174.7	137.9	206.9



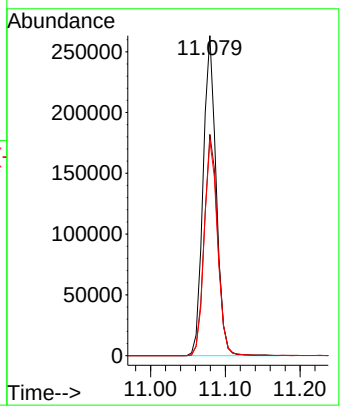


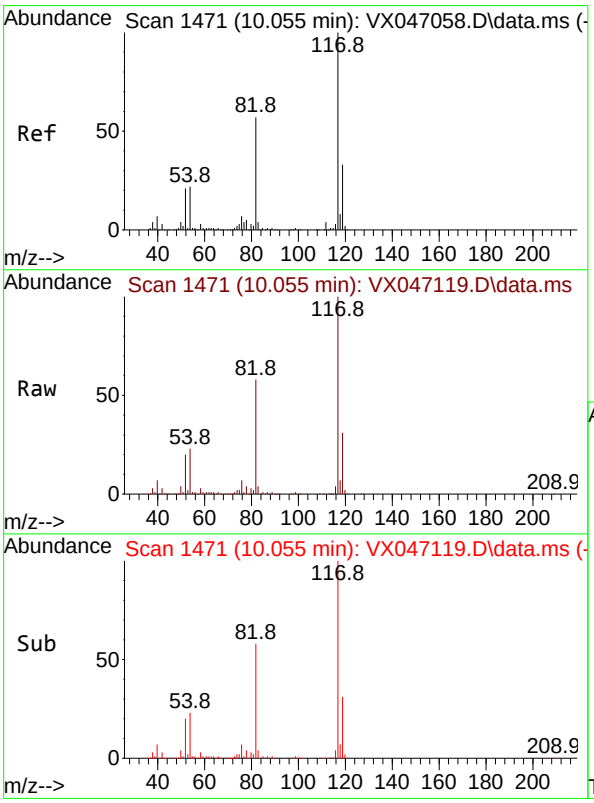
#62
4-Bromofluorobenzene
Concen: 49.471 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
CC0625-NL

Tgt Ion: 95 Resp: 319376

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	144.6
176	68.7	0.0	139.6

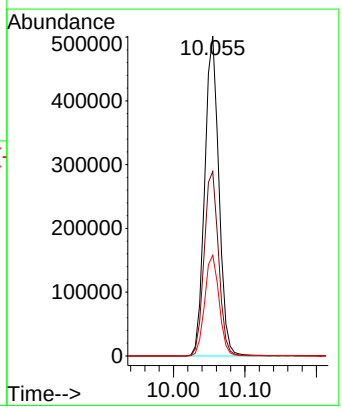


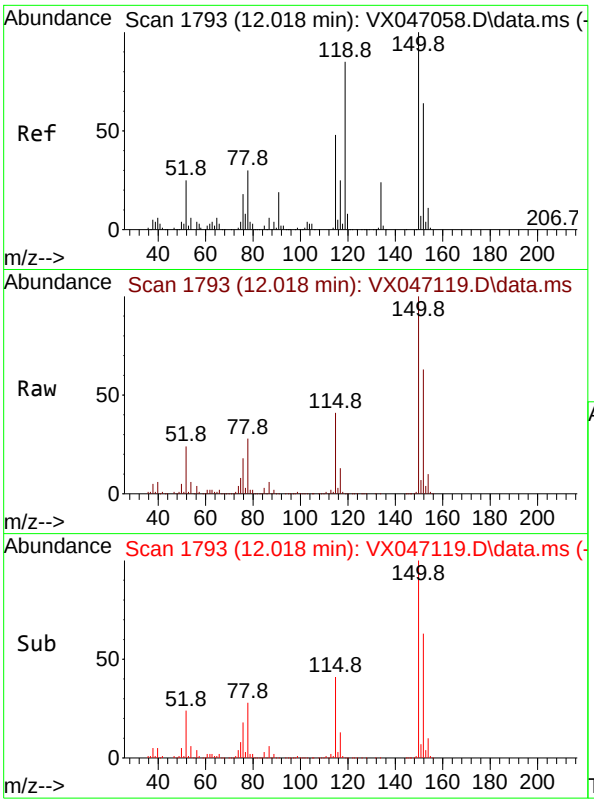


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Tgt Ion:117 Resp: 689935

Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.4	68.2
119	31.5	26.1	39.1



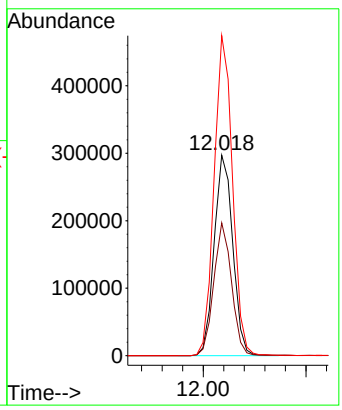


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047119.D
Acq: 24 Jul 2025 14:50

Instrument :
MSVOA_X
ClientSampleId :
CC0625-NL

Tgt Ion:152 Resp: 372334

Ion	Ratio	Lower	Upper
152	100		
115	63.5	45.6	136.7
150	157.7	0.0	354.6



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	06/27/25
Project:	CC2-16 Analytical	Date Received:	06/27/25
Client Sample ID:	CC0267-OXPL	SDG No.:	Q2481
Lab Sample ID:	Q2481-17	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047123.D	10	07/24/25 16:15	VX072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	2.30	50.0	ug/L
78-93-3	2-Butanone	9.80	U	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	U	2.50	50.0	ug/L
67-66-3	Chloroform	2.50	U	2.50	50.0	ug/L
71-43-2	Benzene	1.50	U	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	U	0.93	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	U	1.20	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.8		74 - 125	90%	SPK: 50
1868-53-7	Dibromofluoromethane	37.6		75 - 124	75%	SPK: 50
2037-26-5	Toluene-d8	48.8		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.6		77 - 121	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	355000	5.58			
540-36-3	1,4-Difluorobenzene	677000	6.781			
3114-55-4	Chlorobenzene-d5	522000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	320000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047123.D
Acq On : 24 Jul 2025 16:15
Operator : JC/MD
Sample : Q2481-17 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0267-OXPL

Quant Time: Jul 25 01:25:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

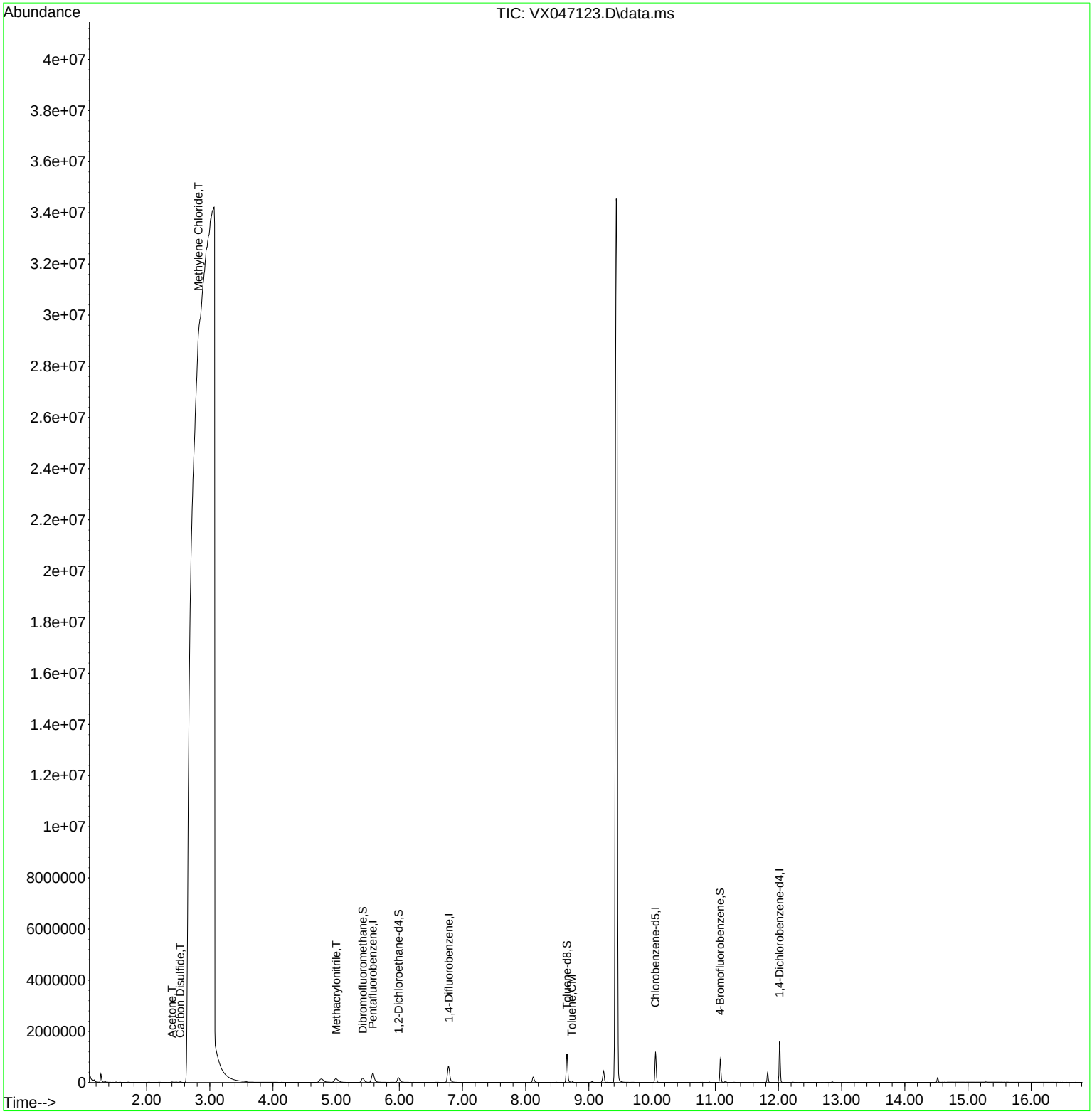
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.580	168	354820	50.000	ug/l	0.02
34) 1,4-Difluorobenzene	6.781	114	677494	50.000	ug/l	0.01
63) Chlorobenzene-d5	10.055	117	521532	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	319546	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.988	65	197936	44.783	ug/l	0.02
Spiked Amount 50.000	Range 78 - 117		Recovery = 89.560%			
35) Dibromofluoromethane	5.421	113	157137	37.565	ug/l	0.02
Spiked Amount 50.000	Range 75 - 124		Recovery = 75.140%			
50) Toluene-d8	8.652	98	660641	48.767	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.540%			
62) 4-Bromofluorobenzene	11.079	95	237060	40.607	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 81.220%#			
Target Compounds						Qvalue
16) Acetone	2.397	43	50396	28.462	ug/l	93
17) Carbon Disulfide	2.532	76	34985	2.712	ug/l	100
20) Methylene Chloride	2.818	84	442818	90.905	ug/l	88
41) Methacrylonitrile	5.001	41	157014	45.705	ug/l	97
52) Toluene	8.726	92	23199	1.828	ug/l	96

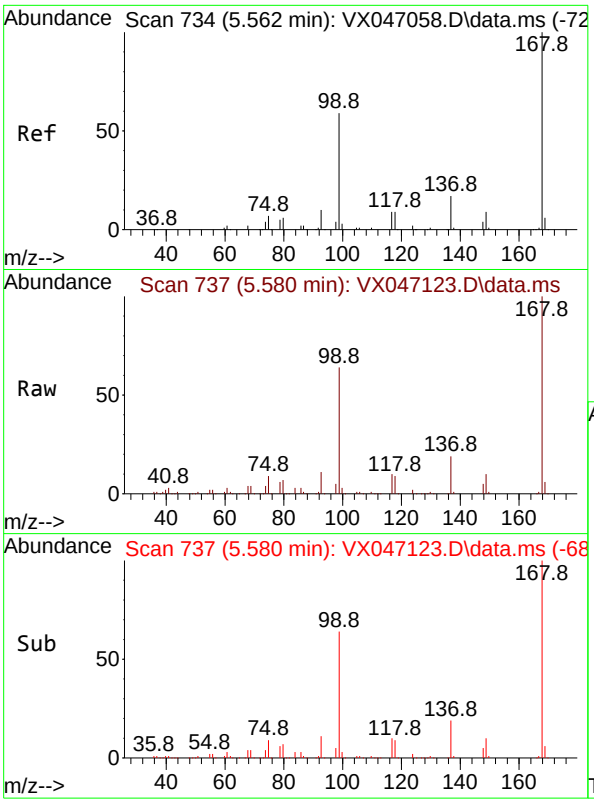
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047123.D
Acq On : 24 Jul 2025 16:15
Operator : JC/MD
Sample : Q2481-17 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0267-OXPL

Quant Time: Jul 25 01:25:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



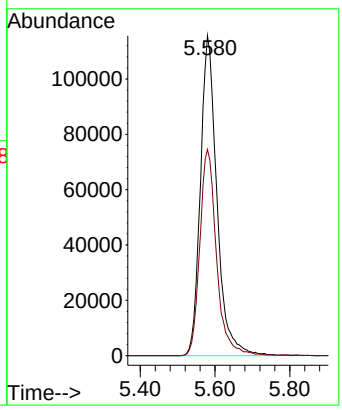


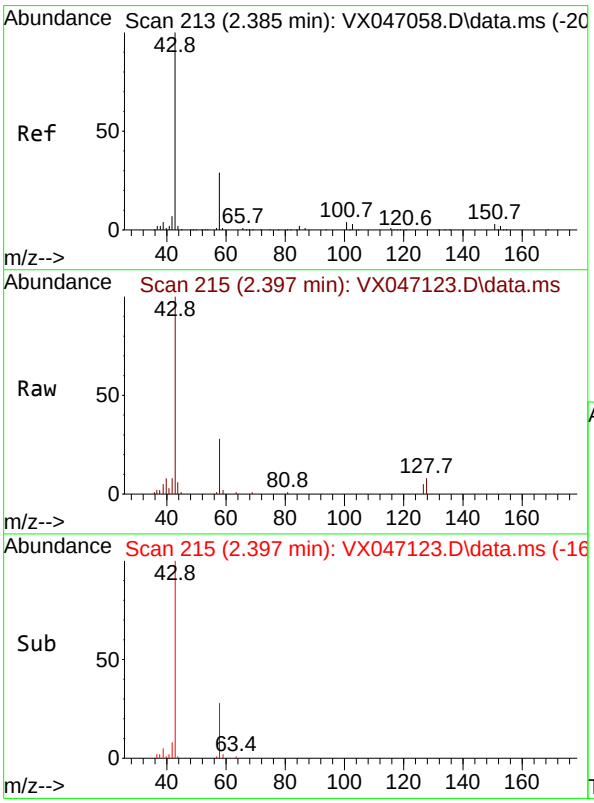
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.580 min Scan# 7
Delta R.T. 0.018 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
CC0267-OXPL

Tgt Ion:168 Resp: 354820

Ion	Ratio	Lower	Upper
168	100		
99	64.4	48.0	72.0

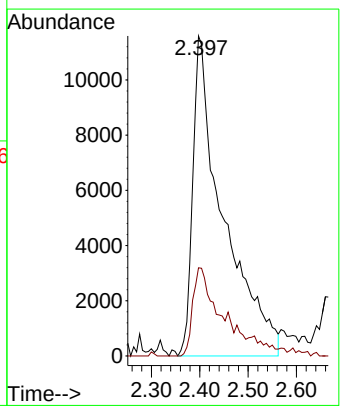


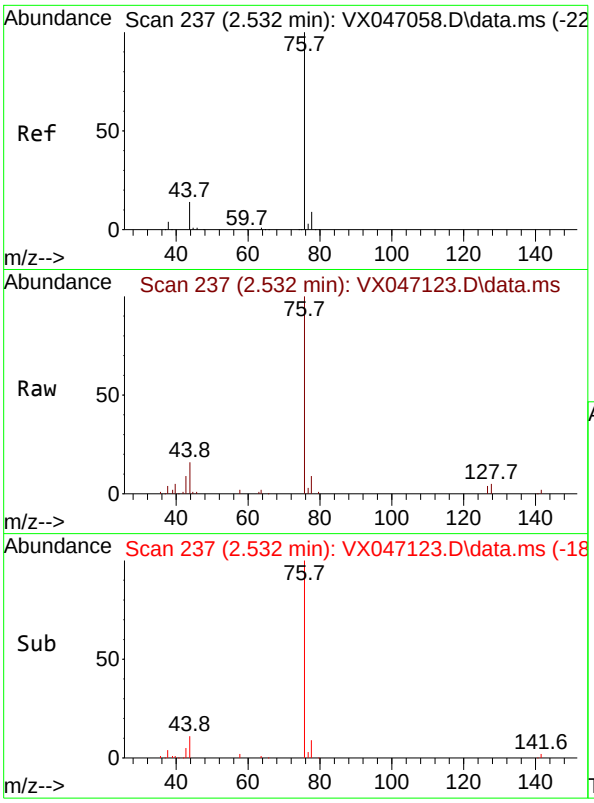


#16
Acetone
Concen: 28.462 ug/l
RT: 2.397 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion: 43 Resp: 50396

Ion	Ratio	Lower	Upper
43	100		
58	26.0	24.0	36.0



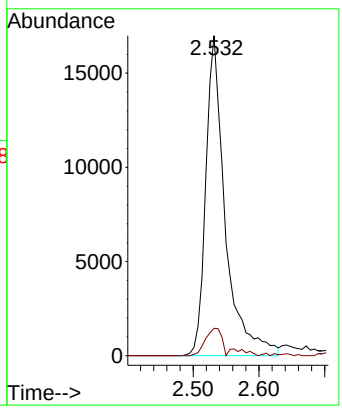


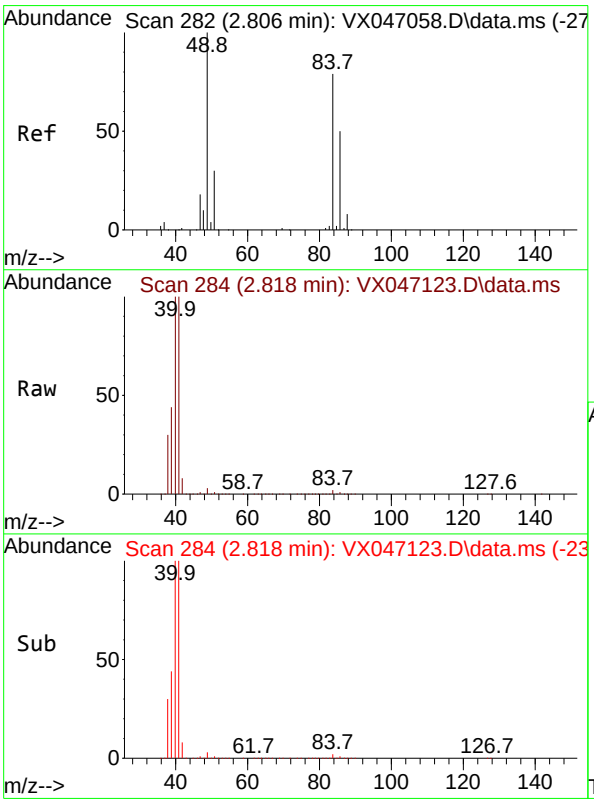
#17
Carbon Disulfide
Concen: 2.712 ug/l
RT: 2.532 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
CC0267-OXPL

Tgt Ion: 76 Resp: 34985

Ion	Ratio	Lower	Upper
76	100		
78	8.5	7.0	10.4

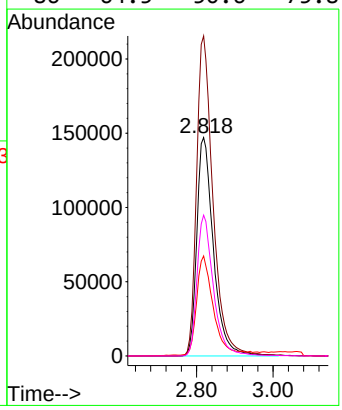


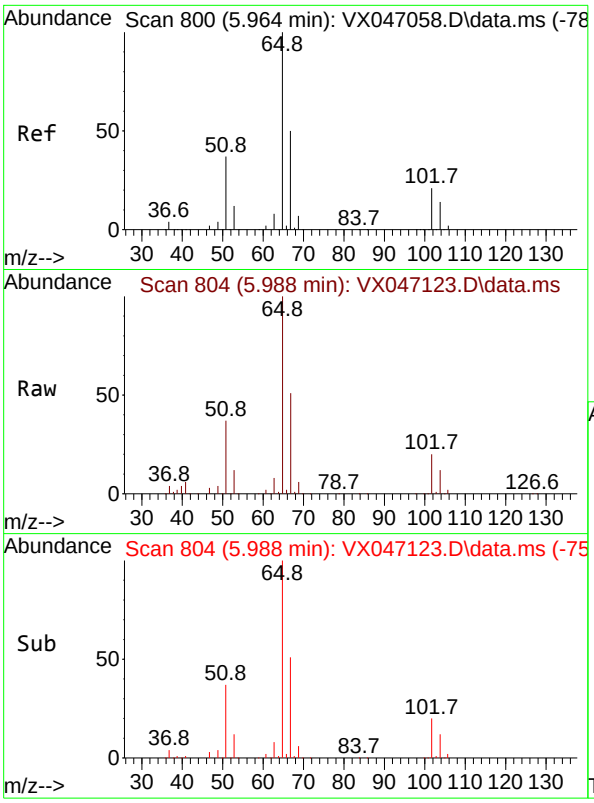


#20
Methylene Chloride
Concen: 90.905 ug/l
RT: 2.818 min Scan# 284
Delta R.T. 0.012 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion: 84 Resp: 442818

Ion	Ratio	Lower	Upper
84	100		
49	146.5	101.6	152.4
51	45.4	30.3	45.5
86	64.5	50.6	75.8



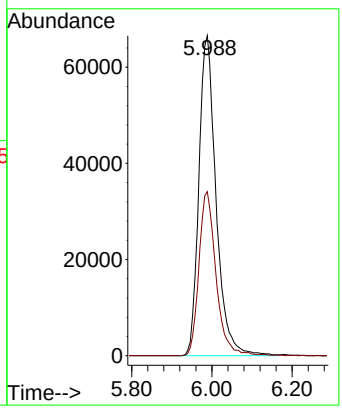


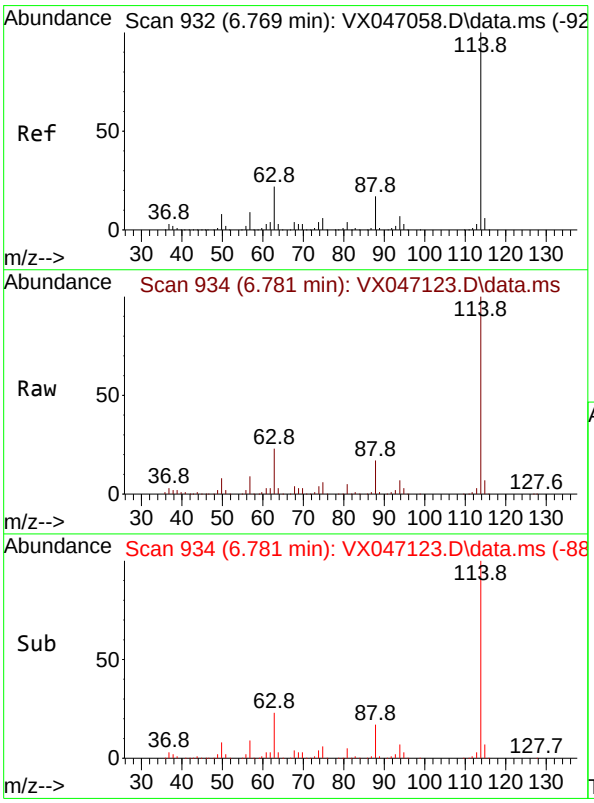
#33
1,2-Dichloroethane-d4
Concen: 44.783 ug/l
RT: 5.988 min Scan# 8
Delta R.T. 0.024 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
CC0267-OXPL

Tgt Ion: 65 Resp: 197936

Ion	Ratio	Lower	Upper
65	100		
67	50.8	0.0	104.8

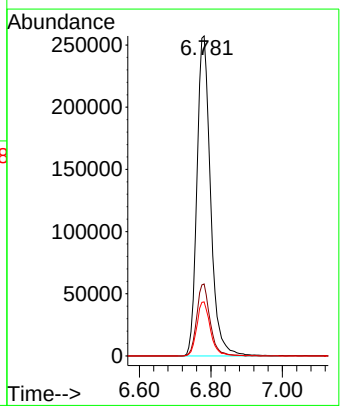


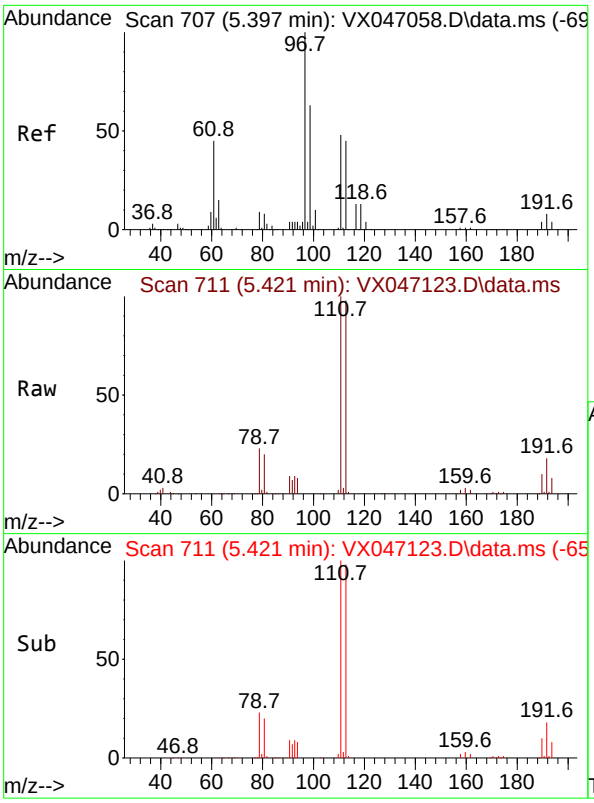


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.781 min Scan# 934
Delta R.T. 0.012 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion:114 Resp: 677494

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.2
88	16.9	0.0	33.8



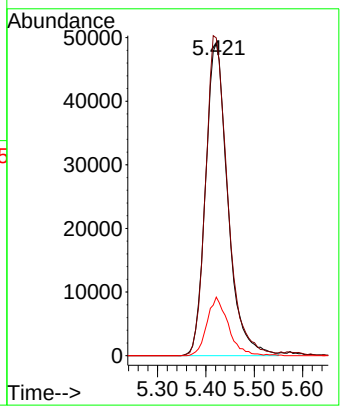


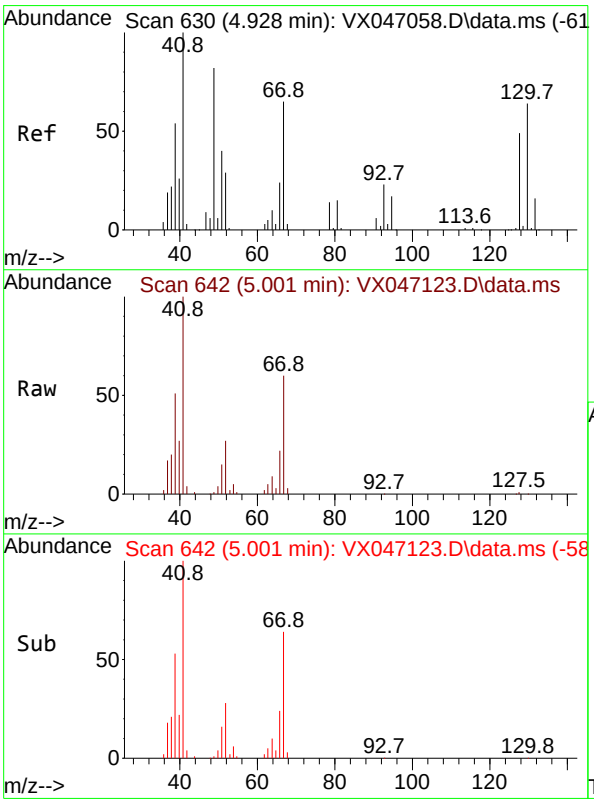
#35
Dibromofluoromethane
Concen: 37.565 ug/l
RT: 5.421 min Scan# 7
Delta R.T. 0.024 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
CC0267-OXPL

Tgt Ion:113 Resp: 157137

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	124.0
192	17.9	14.9	22.3

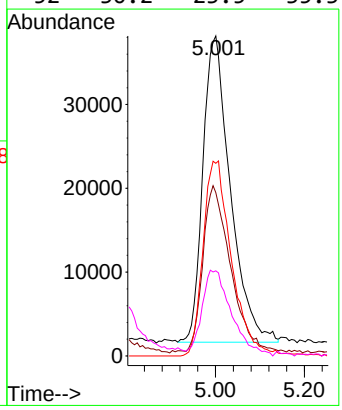


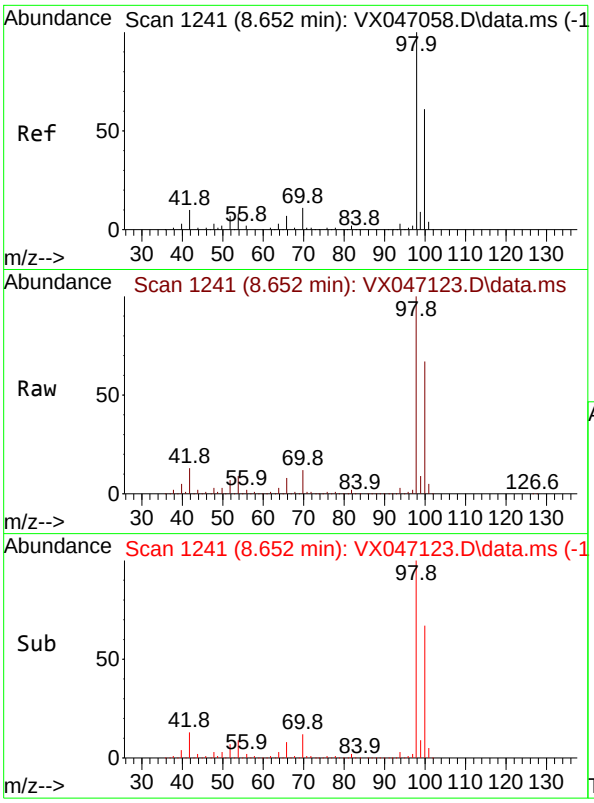


#41
Methacrylonitrile
Concen: 45.705 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.073 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion: 41 Resp: 157014

Ion	Ratio	Lower	Upper
41	100		
39	55.7	44.2	66.2
67	65.7	56.4	84.6
52	30.2	23.5	35.3



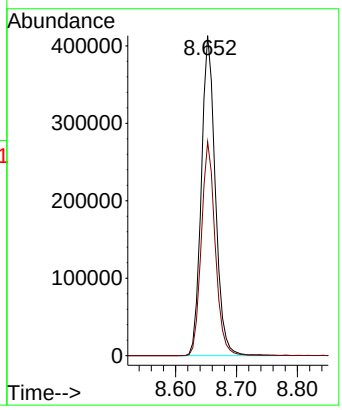


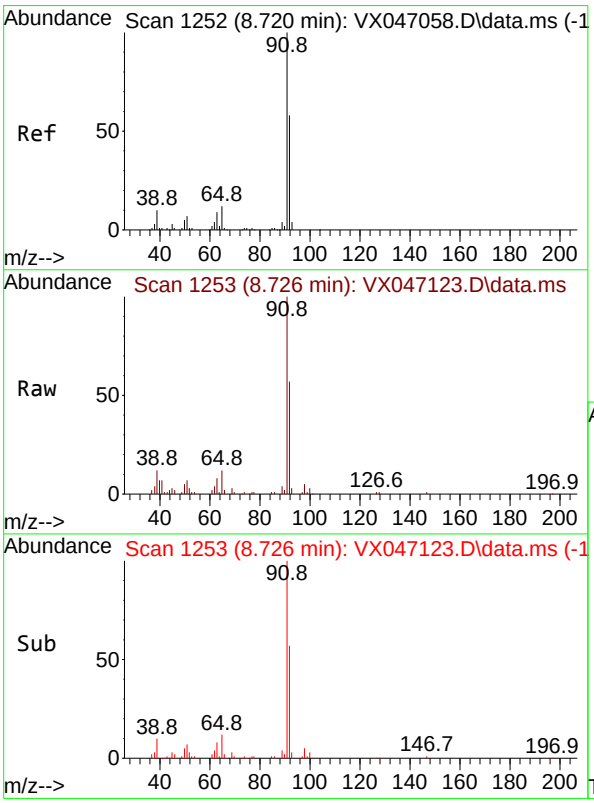
#50
Toluene-d8
Concen: 48.767 ug/l
RT: 8.652 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
CC0267-OXPL

Tgt Ion: 98 Resp: 660641

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9

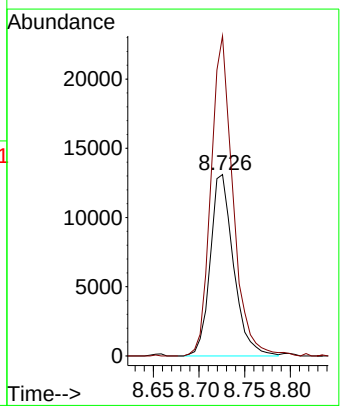


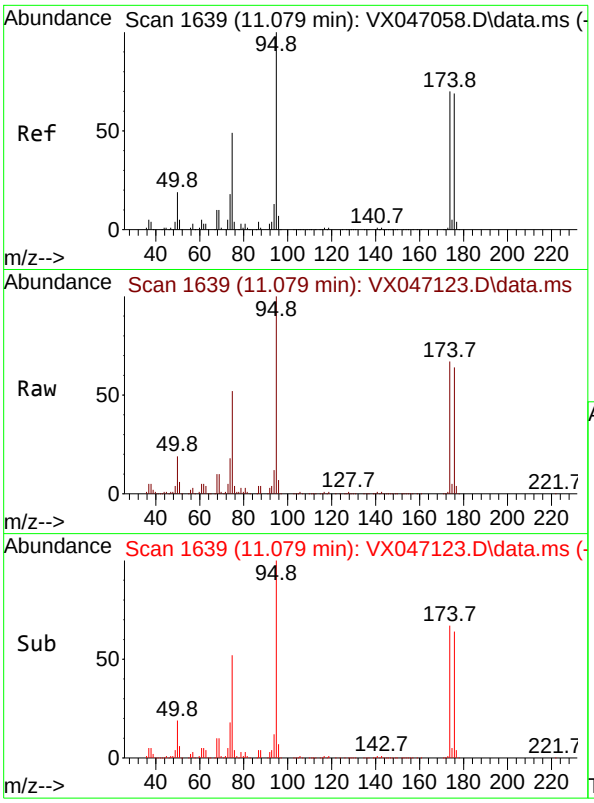


#52
Toluene
Concen: 1.828 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion: 92 Resp: 23199

Ion	Ratio	Lower	Upper
92	100		
91	167.2	137.9	206.9



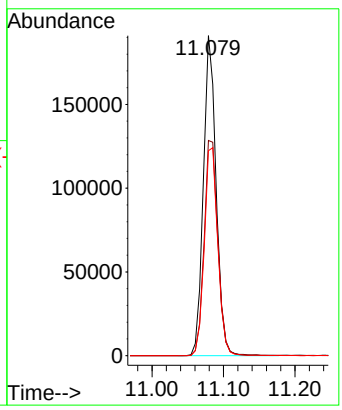


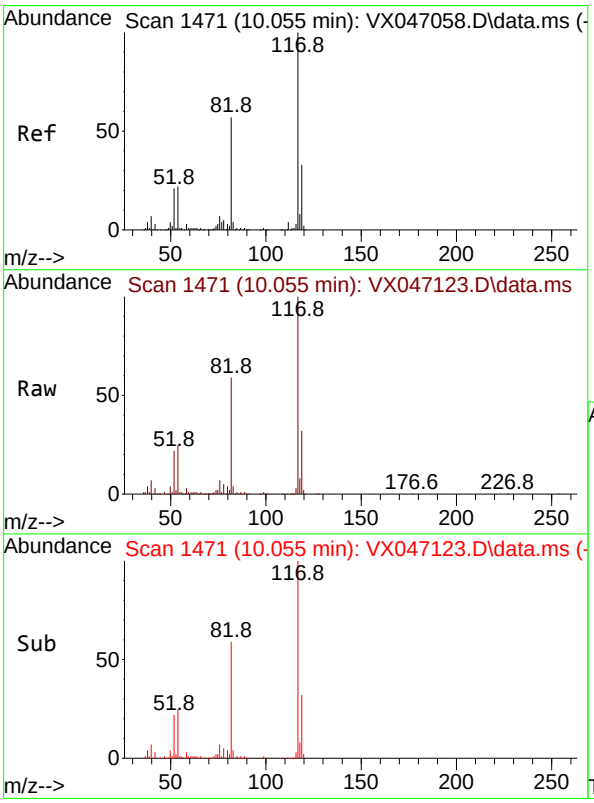
#62
4-Bromofluorobenzene
Concen: 40.607 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
CC0267-OXPL

Tgt Ion: 95 Resp: 237060

Ion	Ratio	Lower	Upper
95	100		
174	72.4	0.0	144.6
176	69.2	0.0	139.6

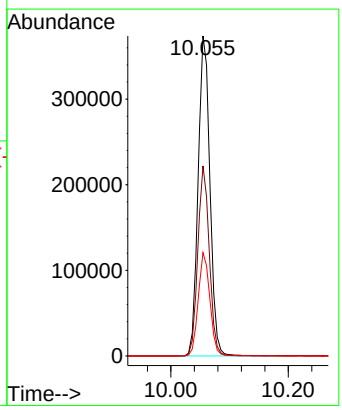


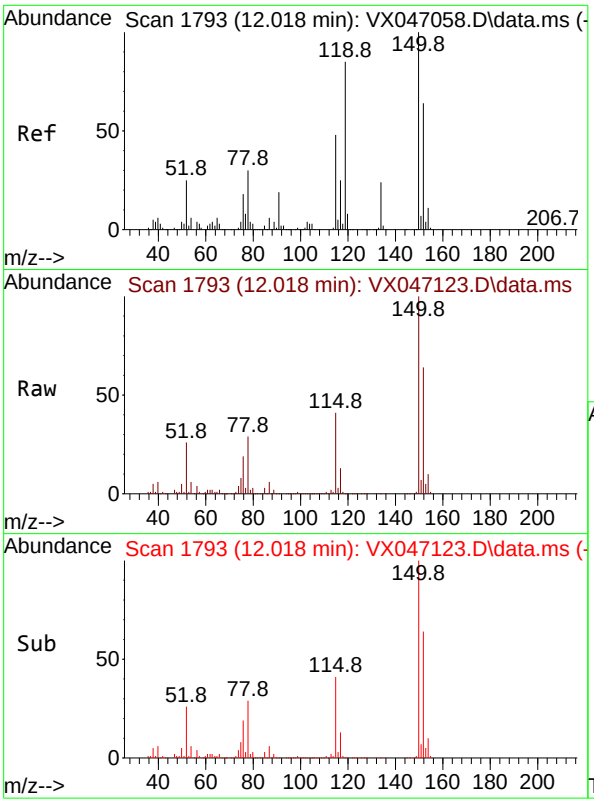


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Tgt Ion:117 Resp: 521532

Ion	Ratio	Lower	Upper
117	100		
82	59.4	45.4	68.2
119	32.3	26.1	39.1



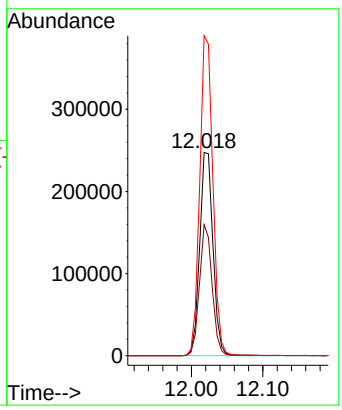


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047123.D
Acq: 24 Jul 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
CC0267-OXPL

Tgt Ion:152 Resp: 319546

Ion	Ratio	Lower	Upper
152	100		
115	61.3	45.6	136.7
150	156.0	0.0	354.6



Raw Data: **VX047102.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	06/27/25
Project:	CC2-16 Analytical	Date Received:	06/27/25
Client Sample ID:	CC0627-OXL	SDG No.:	Q2481
Lab Sample ID:	Q2481-18	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047102.D	1000	07/23/25 19:00	VX072325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	260	U	260	5000	ug/L
75-35-4	1,1-Dichloroethene	230	U	230	5000	ug/L
78-93-3	2-Butanone	980	U	980	25000	ug/L
56-23-5	Carbon Tetrachloride	250	U	250	5000	ug/L
67-66-3	Chloroform	250	U	250	5000	ug/L
71-43-2	Benzene	150	U	150	5000	ug/L
107-06-2	1,2-Dichloroethane	220	U	220	5000	ug/L
79-01-6	Trichloroethene	93.0	U	93.0	5000	ug/L
127-18-4	Tetrachloroethene	230	U	230	5000	ug/L
108-90-7	Chlorobenzene	120	U	120	5000	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.6		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	47.5		75 - 124	95%	SPK: 50
2037-26-5	Toluene-d8	55.4		86 - 113	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		77 - 121	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	417000	5.562			
540-36-3	1,4-Difluorobenzene	773000	6.769			
3114-55-4	Chlorobenzene-d5	519000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	323000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Sample Results: **VX047102.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047102.D
Acq On : 23 Jul 2025 19:00
Operator : JC/MD
Sample : Q2481-18 1000X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 24 05:57:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	416777	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	772965	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	519074	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	323235	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	278050	53.556	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.120%			
35) Dibromofluoromethane	5.397	113	226535	47.466	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.940%			
50) Toluene-d8	8.659	98	856992	55.448	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.900%			
62) 4-Bromofluorobenzene	11.079	95	280864	42.168	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 84.340%			
Target Compounds						Qvalue
10) Methyl Iodide	2.471	142	24099	4.471	ug/l	98
37) Ethyl Acetate	4.733	43	170522	22.748	ug/l	99
41) Methacrylonitrile	4.952	41	16069	4.100	ug/l	96
51) 4-Methyl-2-Pentanone	8.610	43	143285m	20.628	ug/l	
52) Toluene	8.726	92	494369	34.150	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VX047102.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047102.D
Acq On : 23 Jul 2025 19:00
Operator : JC/MD
Sample : Q2481-18 1000X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Quant Time: Jul 24 05:57:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
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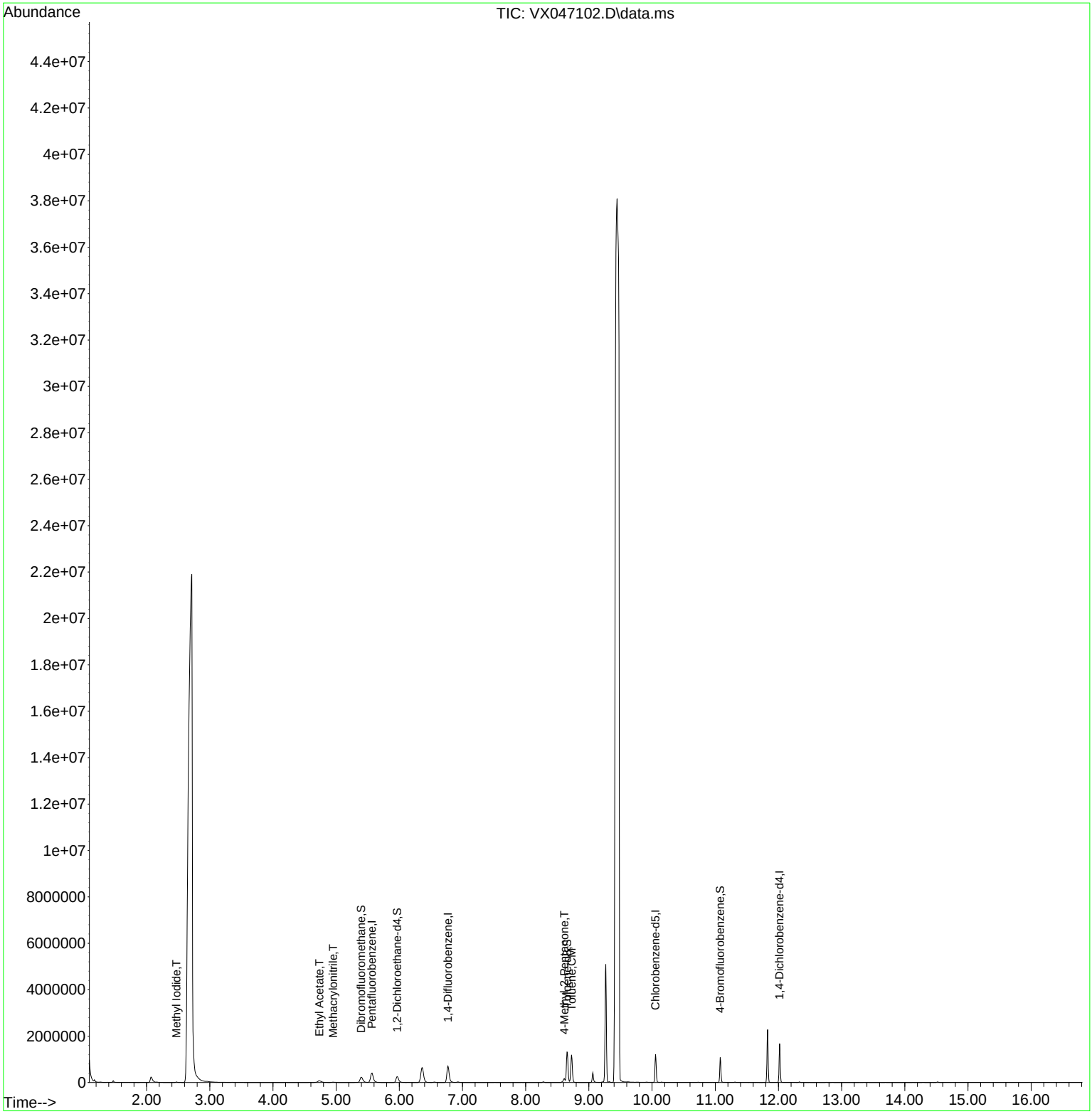
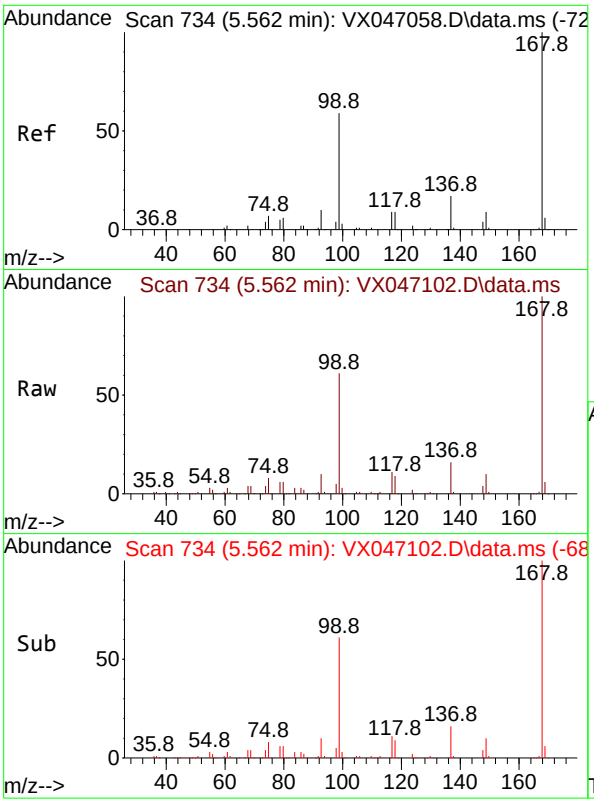
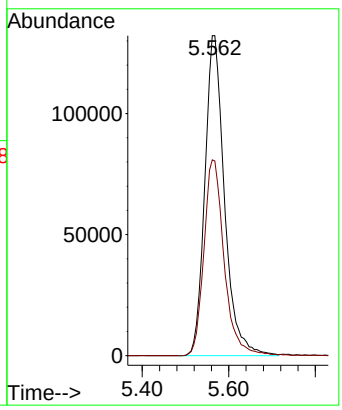




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion:168 Resp: 41677

Ion	Ratio	Lower	Upper
168	100		
99	61.2	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

Manual Integrations
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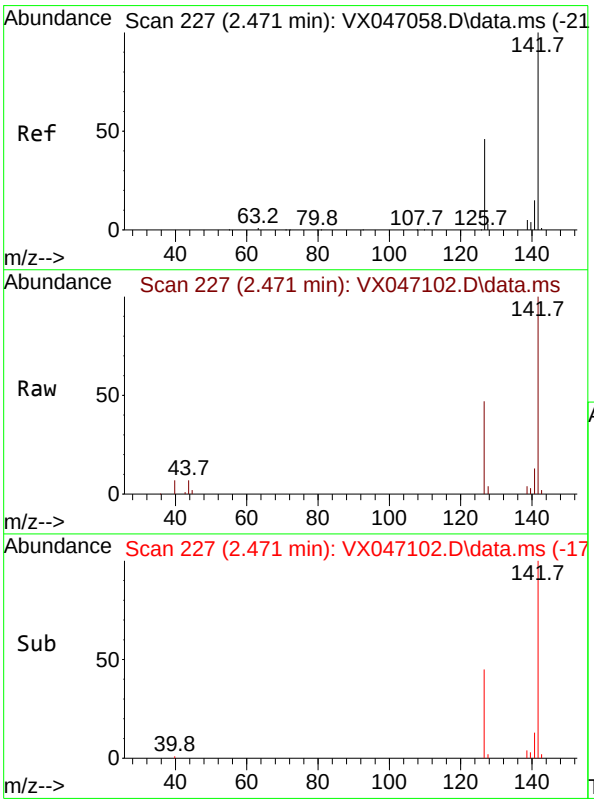
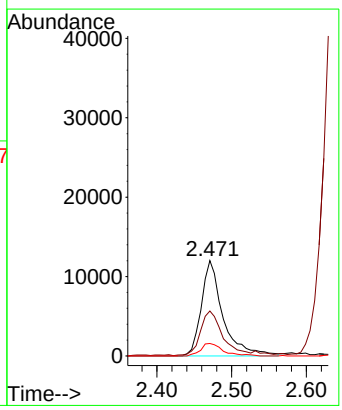
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

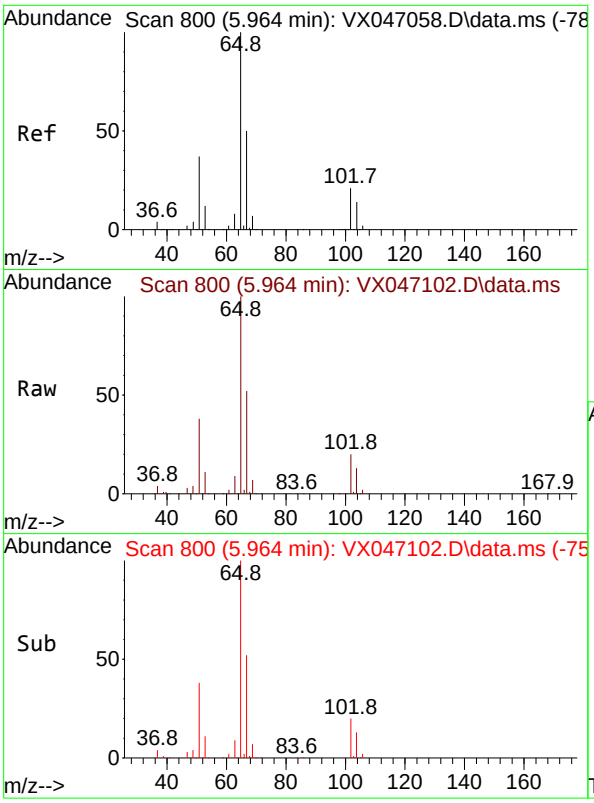


#10
Methyl Iodide
Concen: 4.471 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion:142 Resp: 24099

Ion	Ratio	Lower	Upper
142	100		
127	47.4	36.6	54.8
141	13.6	10.9	16.3

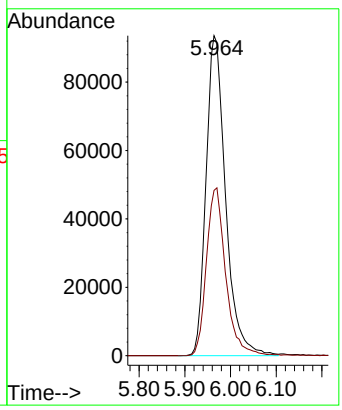




#33
1,2-Dichloroethane-d4
Concen: 53.556 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 65 Resp: 27805

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

Manual Integrations
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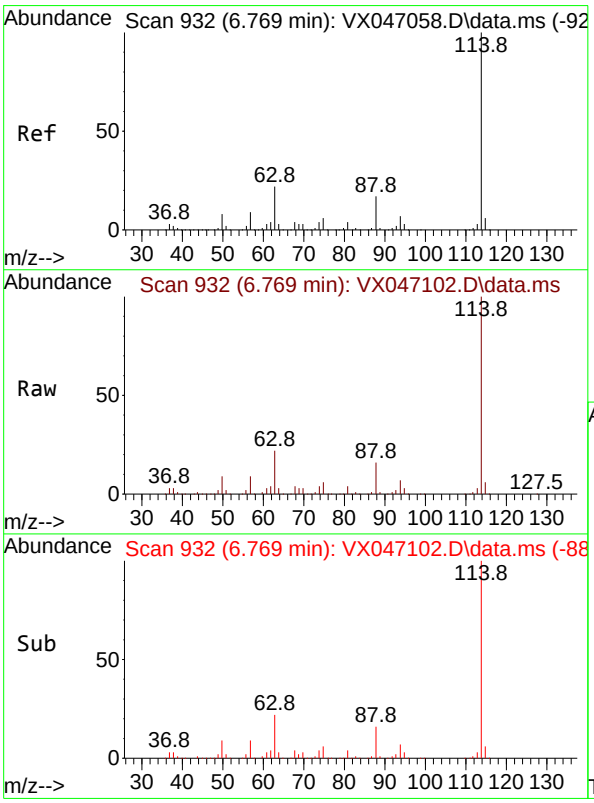
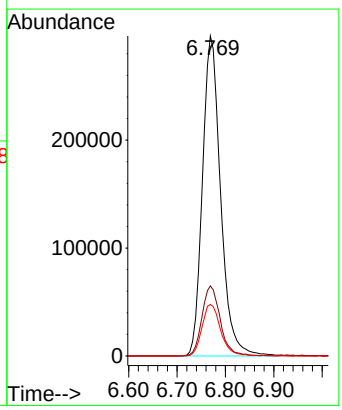
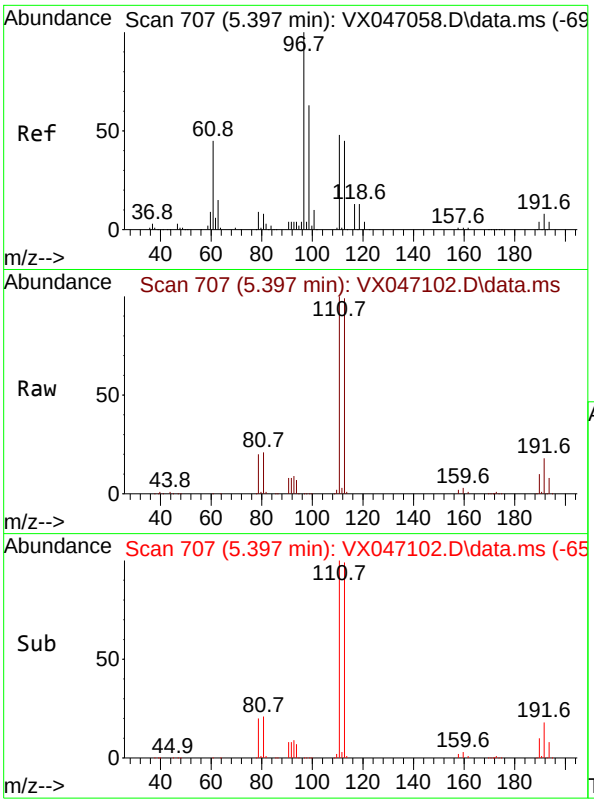


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion:114 Resp: 772965

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	16.1	0.0	33.8

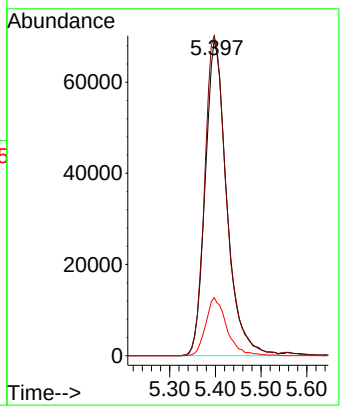




#35
Dibromofluoromethane
Concen: 47.466 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion:113 Resp: 22653

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	124.0
192	17.9	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

Manual Integrations
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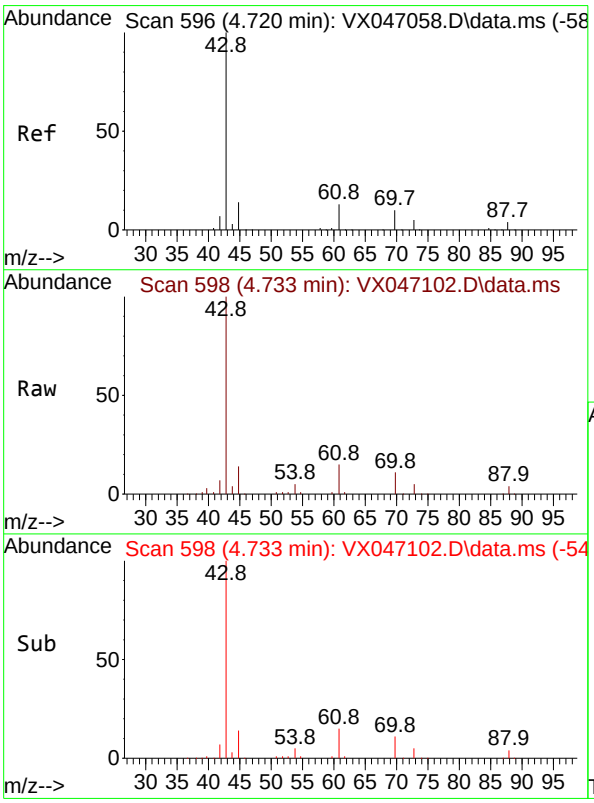
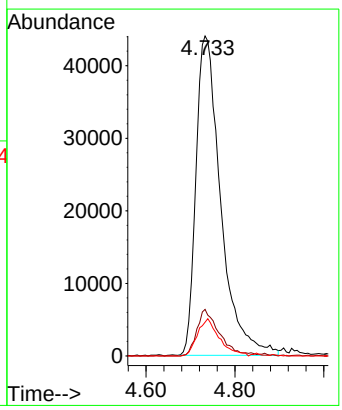
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

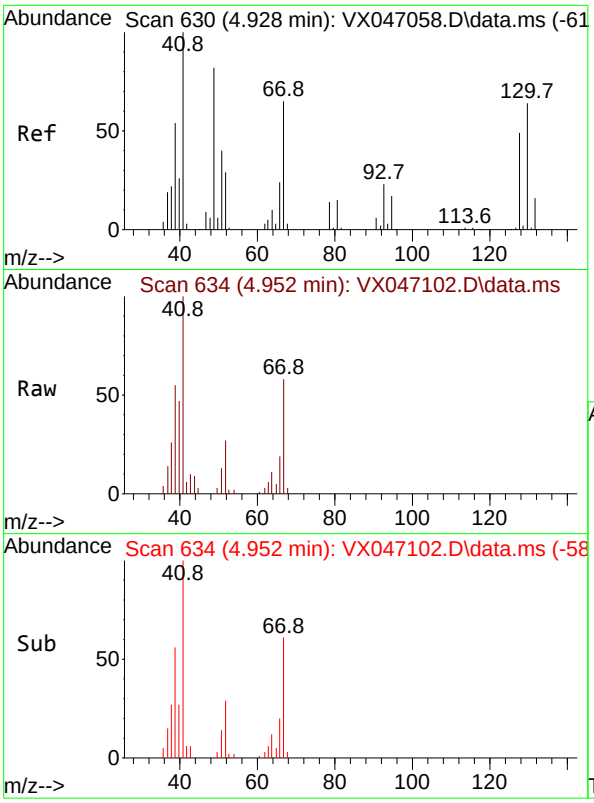


#37
Ethyl Acetate
Concen: 22.748 ug/l
RT: 4.733 min Scan# 598
Delta R.T. 0.012 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 43 Resp: 170522

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.2
70	10.3	8.1	12.1

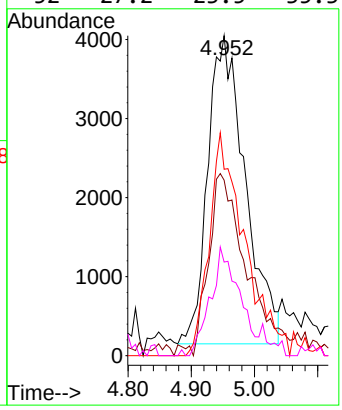




#41
Methacrylonitrile
Concen: 4.100 ug/l
RT: 4.952 min Scan# 6
Delta R.T. 0.024 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 41 Resp: 1606

Ion	Ratio	Lower	Upper
41	100		
39	59.6	44.2	66.2
67	68.0	56.4	84.6
52	27.2	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

Manual Integrations
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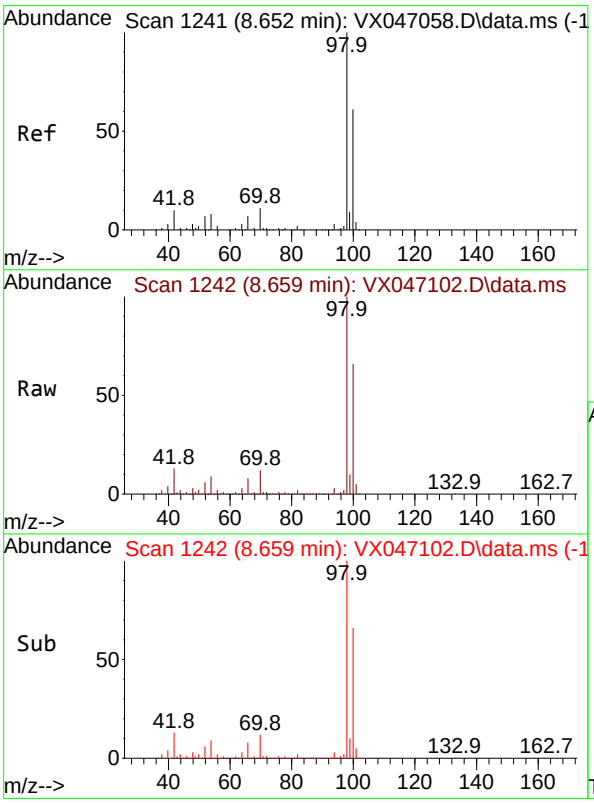
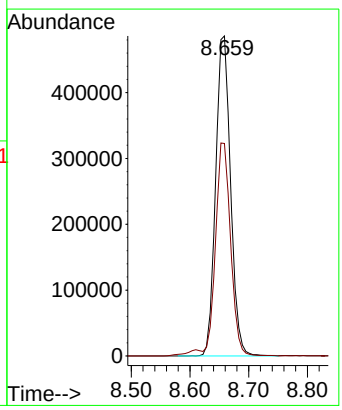
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

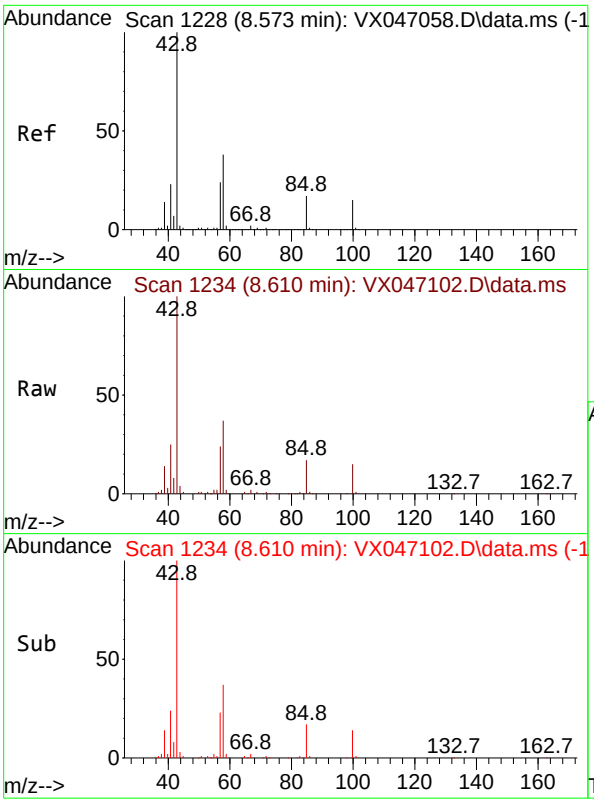


#50
Toluene-d8
Concen: 55.448 ug/l
RT: 8.659 min Scan# 1242
Delta R.T. 0.006 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 98 Resp: 856992

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9

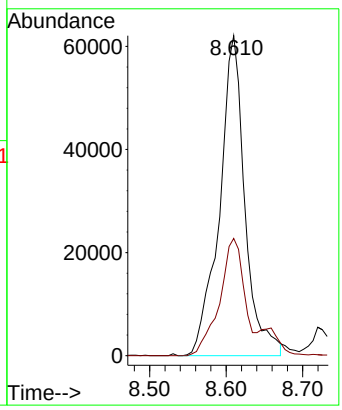




#51
4-Methyl-2-Pentanone
Concen: 20.628 ug/l m
RT: 8.610 min Scan# 1
Delta R.T. 0.037 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 43 Resp: 14328

Ion	Ratio	Lower	Upper
43	100		
58	36.2	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

Manual Integrations
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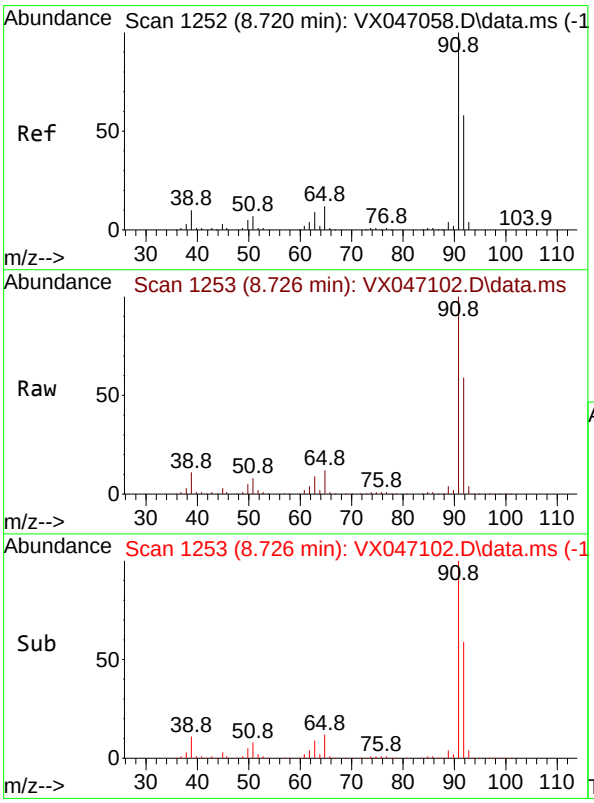
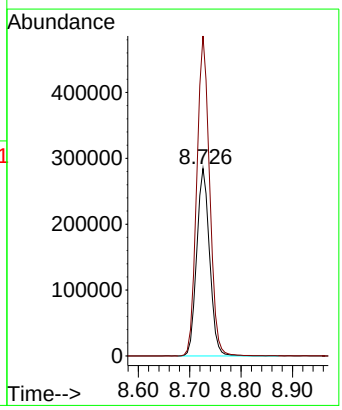
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

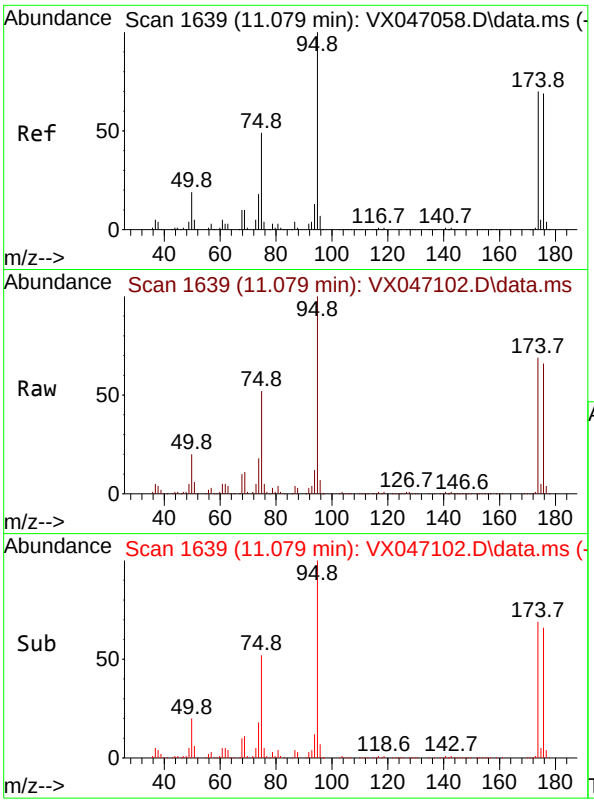


#52
Toluene
Concen: 34.150 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.006 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 92 Resp: 494369

Ion	Ratio	Lower	Upper
92	100		
91	170.3	137.9	206.9

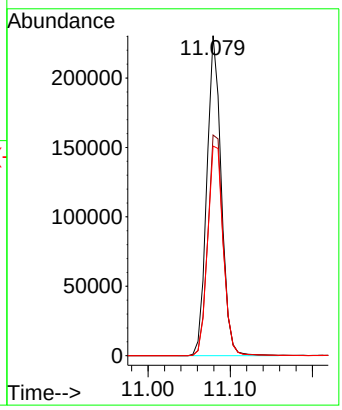




#62
4-Bromofluorobenzene
Concen: 42.168 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion: 95 Resp: 28086

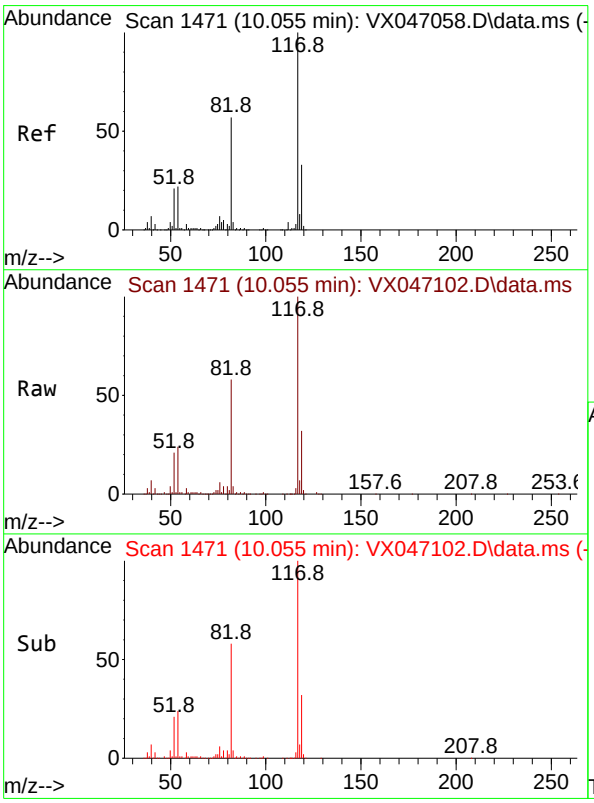
Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	144.6
176	70.8	0.0	139.6



Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

Manual Integrations
APPROVED

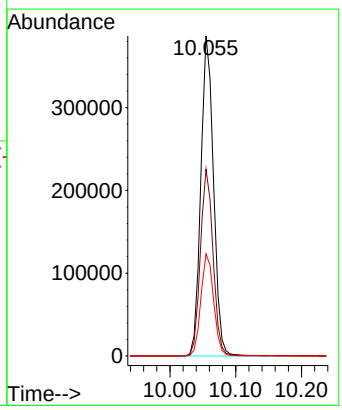
Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

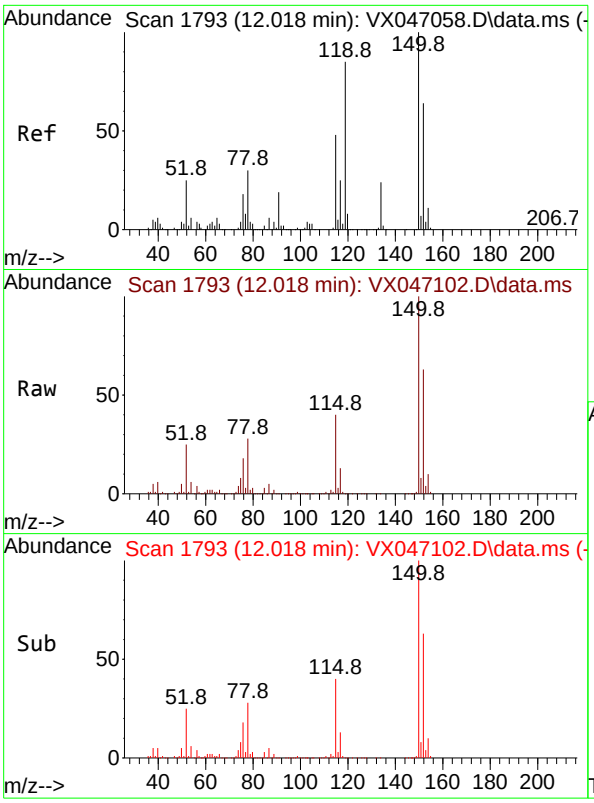


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion:117 Resp: 519074

Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.4	68.2
119	31.9	26.1	39.1

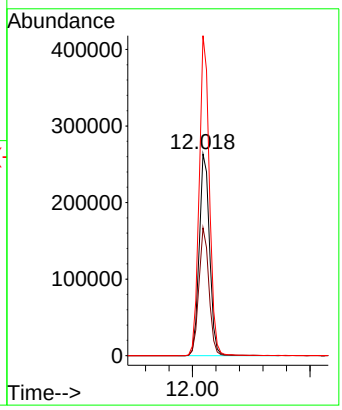




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047102.D
Acq: 23 Jul 2025 19:00

Tgt Ion:152 Resp: 32323

Ion	Ratio	Lower	Upper
152	100		
115	62.1	45.6	136.7
150	156.4	0.0	354.6



Instrument :
MSVOA_X
ClientSampleId :
CC0627-OXL

Manual Integrations
APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Raw Data: **VX047121.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	06/27/25
Project:	CC2-16 Analytical	Date Received:	06/27/25
Client Sample ID:	CC0627-CLOXAL	SDG No.:	Q2481
Lab Sample ID:	Q2481-19	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047121.D	10	07/24/25 15:33	VX072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	2.30	50.0	ug/L
78-93-3	2-Butanone	9.80	U	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	U	2.50	50.0	ug/L
67-66-3	Chloroform	2.50	U	2.50	50.0	ug/L
71-43-2	Benzene	1.50	U	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	U	0.93	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	U	1.20	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.3		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	43.1		75 - 124	86%	SPK: 50
2037-26-5	Toluene-d8	48.2		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	415000	5.562			
540-36-3	1,4-Difluorobenzene	745000	6.769			
3114-55-4	Chlorobenzene-d5	702000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	363000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047121.D
Acq On : 24 Jul 2025 15:33
Operator : JC/MD
Sample : Q2481-19 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXAL

Quant Time: Jul 25 01:25:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

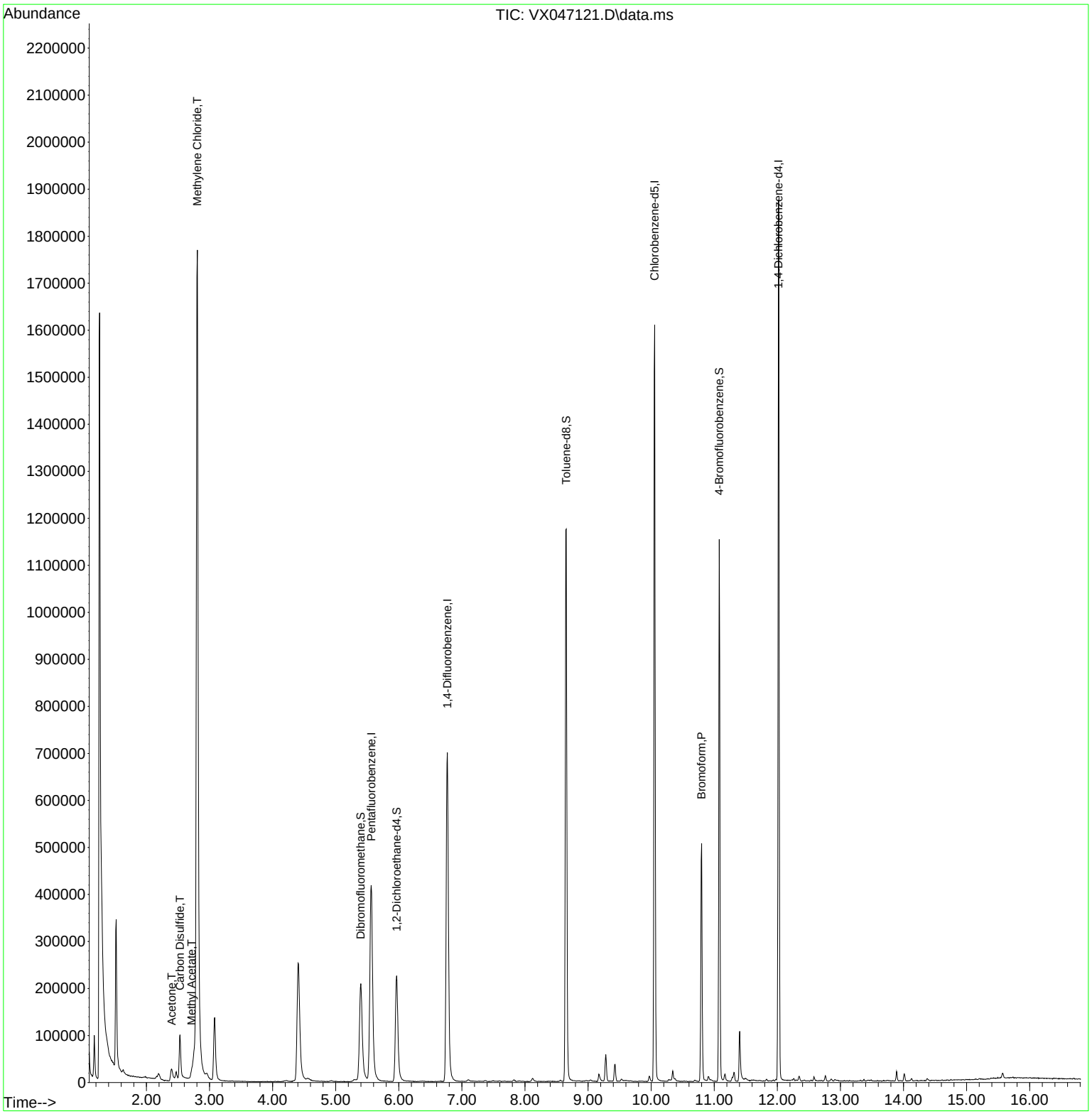
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	414773	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	745400	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	702427	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	362645	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	239435	46.341	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	92.680%		
35) Dibromofluoromethane	5.397	113	198177	43.060	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.120%		
50) Toluene-d8	8.653	98	718564	48.211	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	96.420%		
62) 4-Bromofluorobenzene	11.079	95	301699	46.971	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	93.940%		
Target Compounds						Qvalue
16) Acetone	2.398	43	49665	23.995	ug/l	91
17) Carbon Disulfide	2.532	76	141496	9.383	ug/l	98
18) Methyl Acetate	2.715	43	14901	2.709	ug/l	98
20) Methylene Chloride	2.806	84	856836	150.473	ug/l	99
71) Bromoform	10.799	173	167778	39.867	ug/l #	100

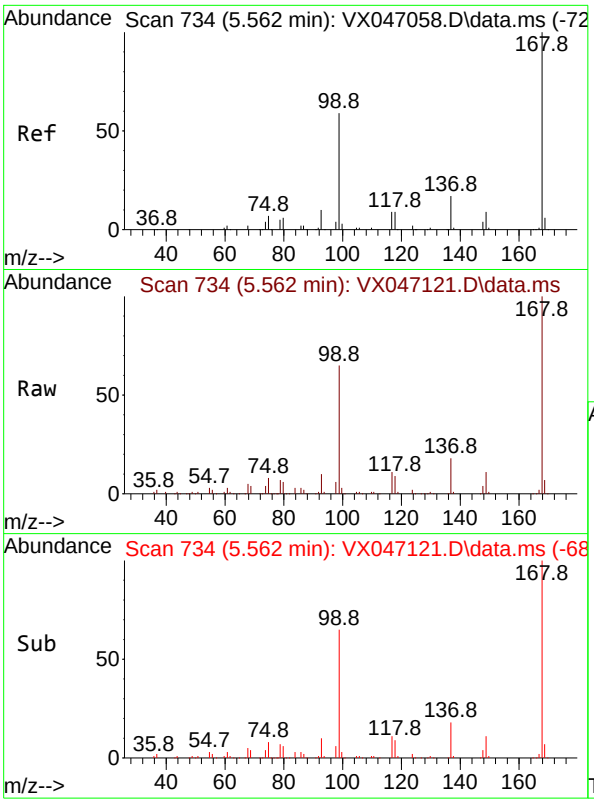
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047121.D
Acq On : 24 Jul 2025 15:33
Operator : JC/MD
Sample : Q2481-19 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXAL

Quant Time: Jul 25 01:25:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



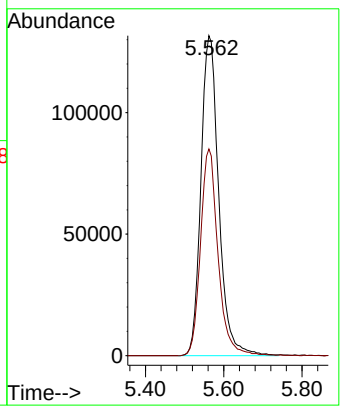


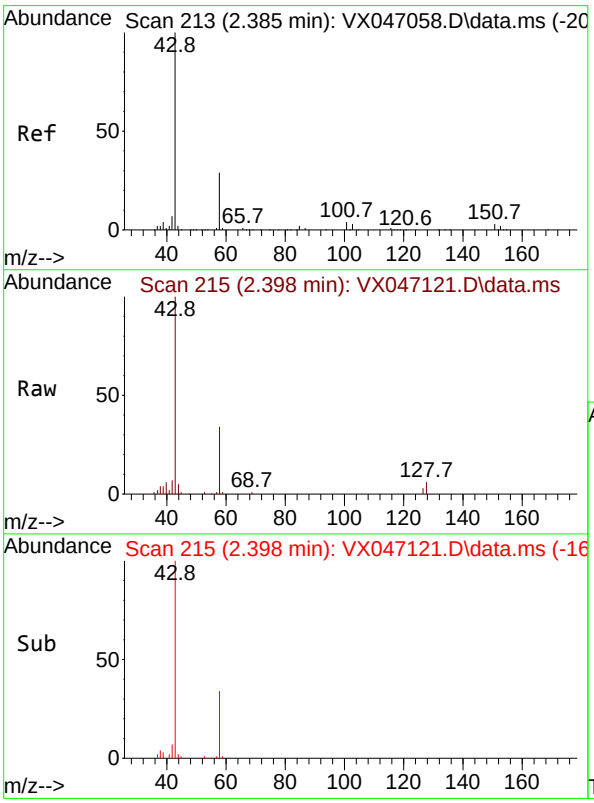
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXAL

Tgt Ion:168 Resp: 414773

Ion	Ratio	Lower	Upper
168	100		
99	64.6	48.0	72.0

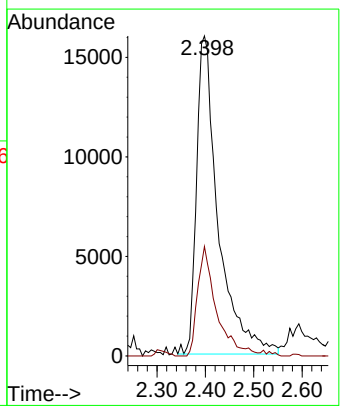


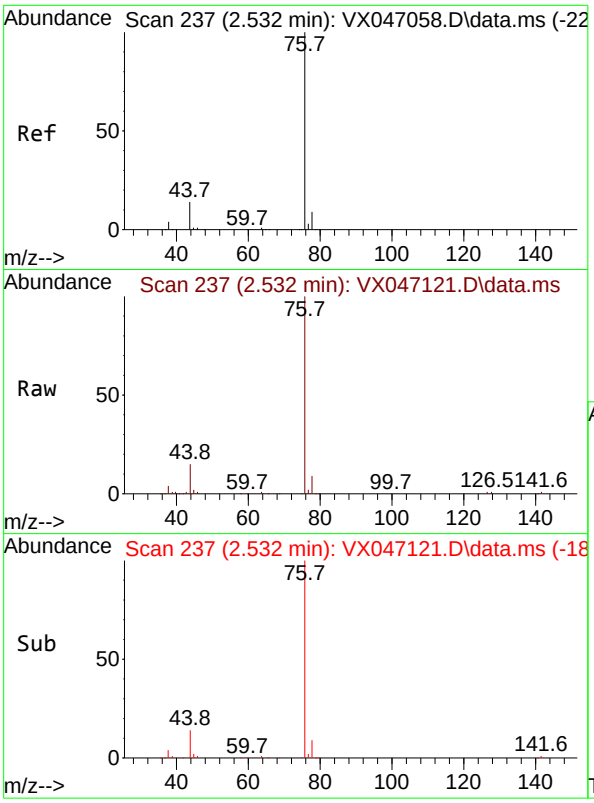


#16
Acetone
Concen: 23.995 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion: 43 Resp: 49665

Ion	Ratio	Lower	Upper
43	100		
58	35.1	24.0	36.0



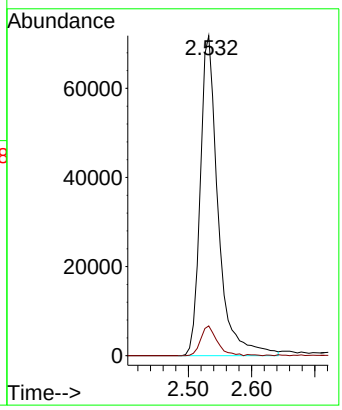


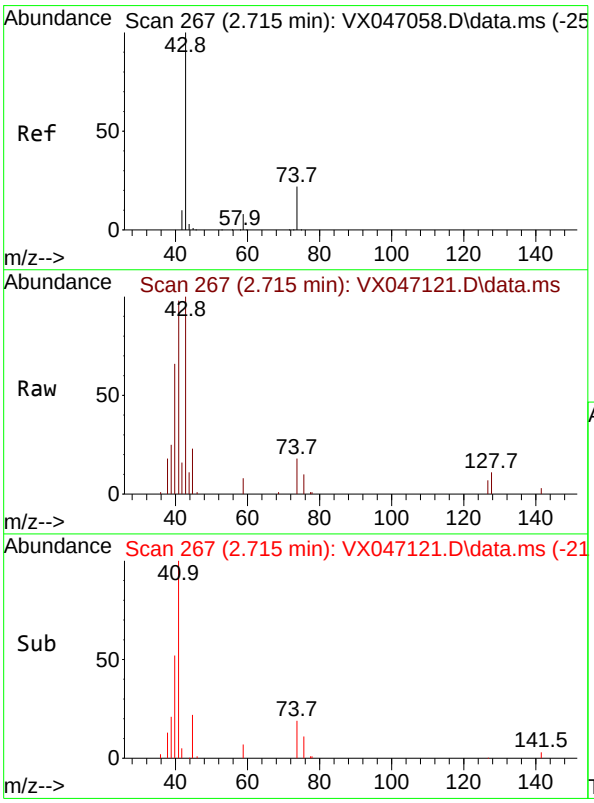
#17
Carbon Disulfide
Concen: 9.383 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.001 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXAL

Tgt Ion: 76 Resp: 141496

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

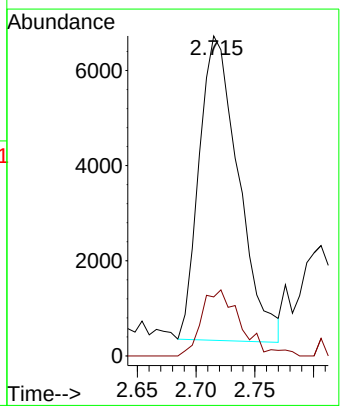


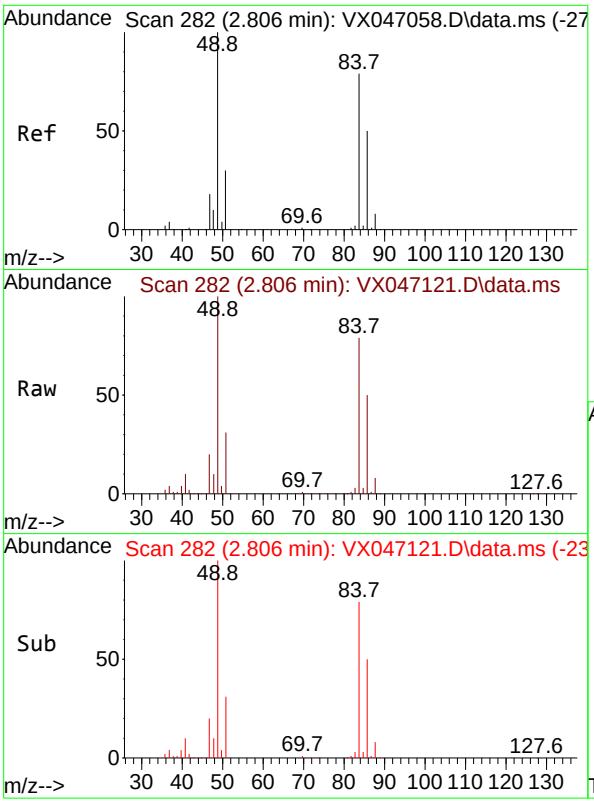


#18
Methyl Acetate
Concen: 2.709 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion: 43 Resp: 14901

Ion	Ratio	Lower	Upper
43	100		
74	21.2	17.7	26.5



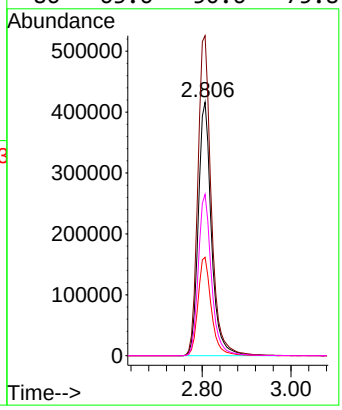


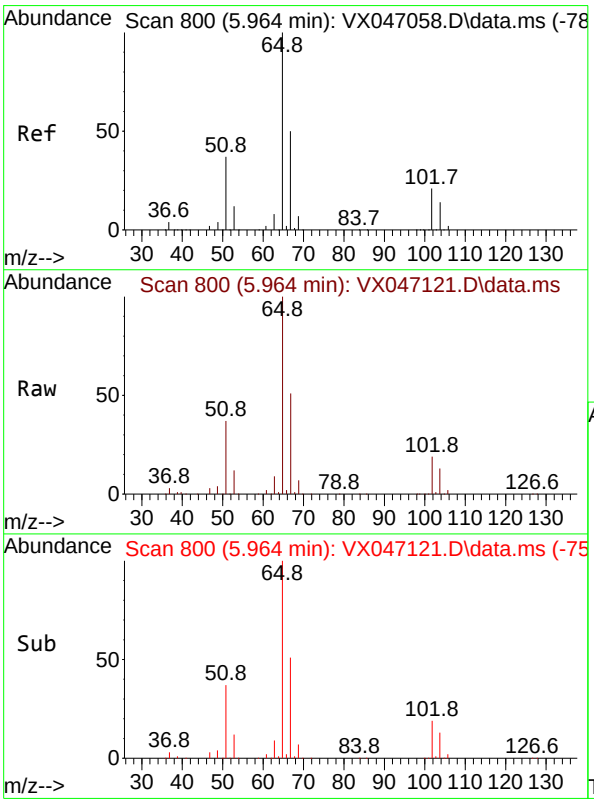
#20
Methylene Chloride
Concen: 150.473 ug/l
RT: 2.806 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXAL

Tgt Ion: 84 Resp: 856836

Ion	Ratio	Lower	Upper
84	100		
49	126.2	101.6	152.4
51	38.8	30.3	45.5
86	63.6	50.6	75.8

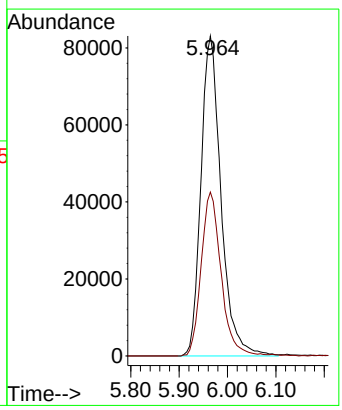


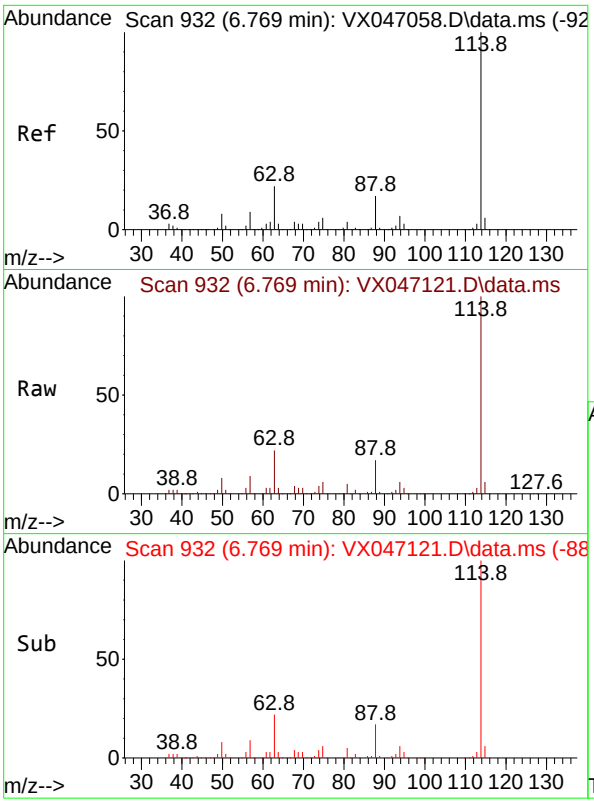


#33
1,2-Dichloroethane-d4
Concen: 46.341 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion: 65 Resp: 239435

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	104.8



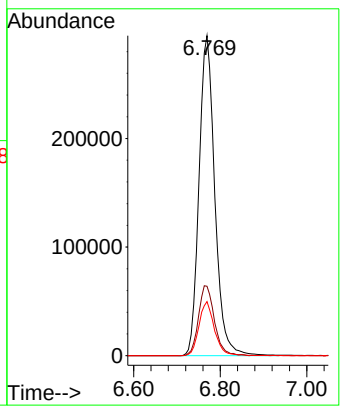


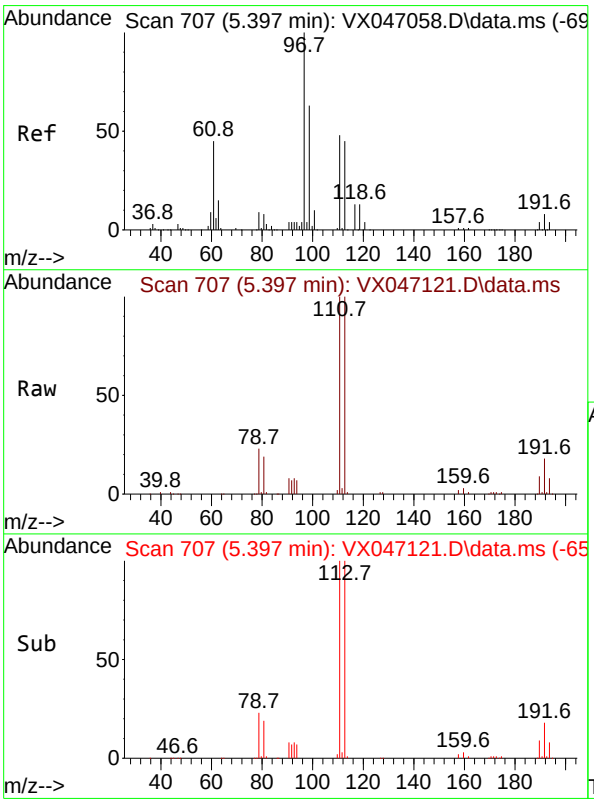
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXAL

Tgt Ion:114 Resp: 745400

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.2
88	16.9	0.0	33.8

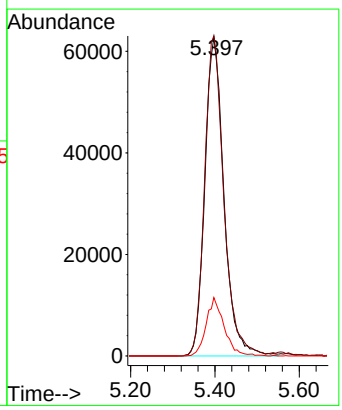


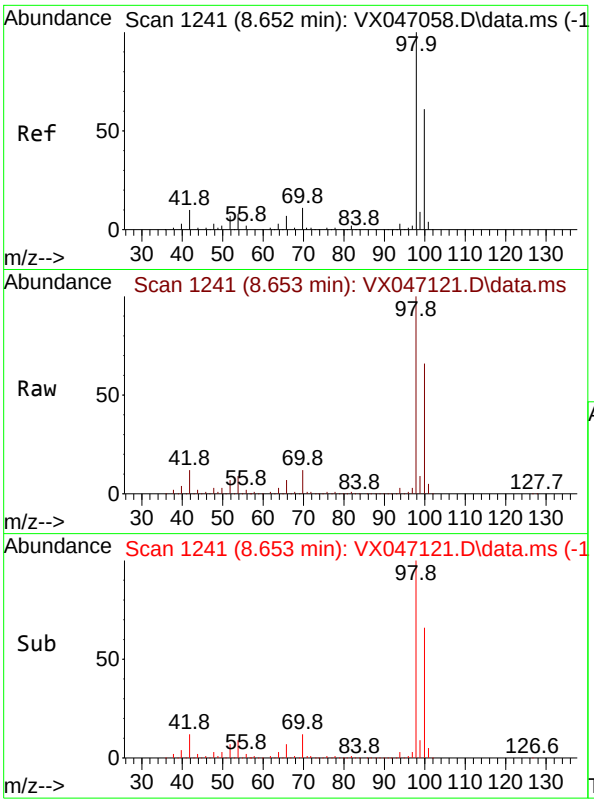


#35
Dibromofluoromethane
Concen: 43.060 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion:113 Resp: 198177

Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.6	124.0
192	17.2	14.9	22.3



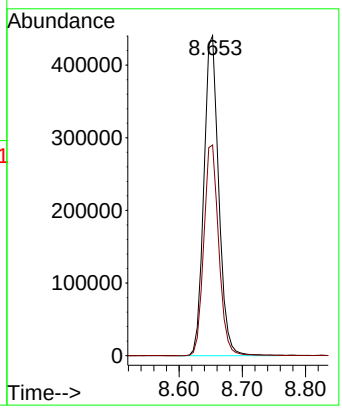


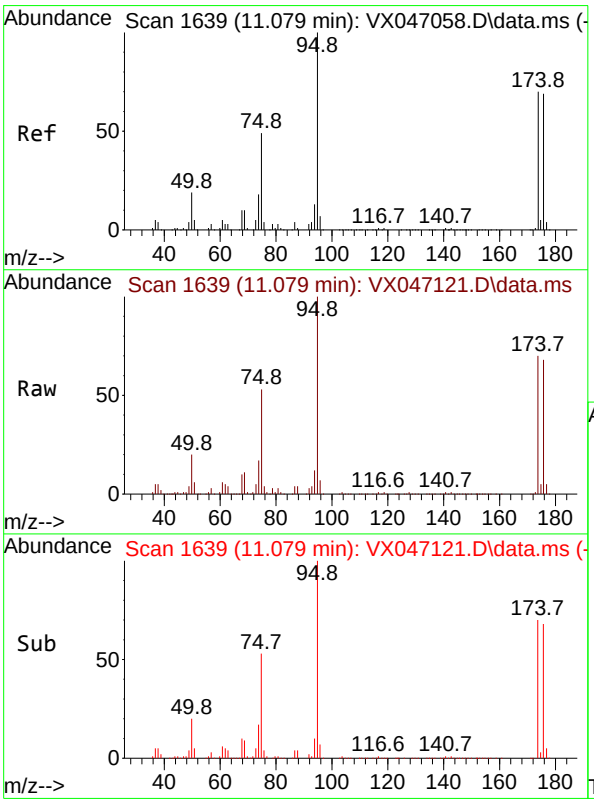
#50
Toluene-d8
Concen: 48.211 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXAL

Tgt Ion: 98 Resp: 718564

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9

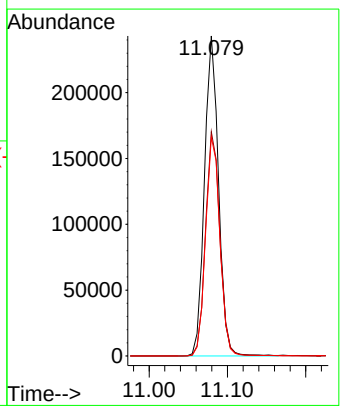


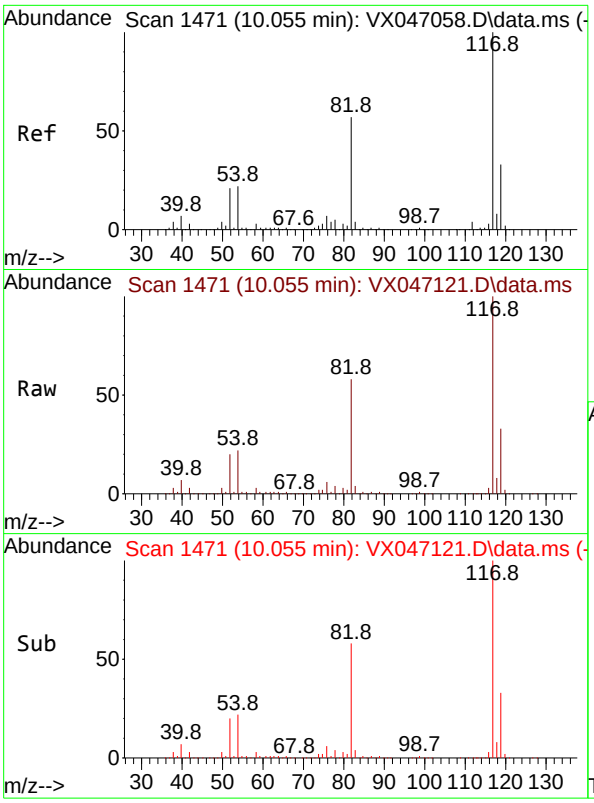


#62
4-Bromofluorobenzene
Concen: 46.971 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion: 95 Resp: 301699

Ion	Ratio	Lower	Upper
95	100		
174	71.8	0.0	144.6
176	69.8	0.0	139.6



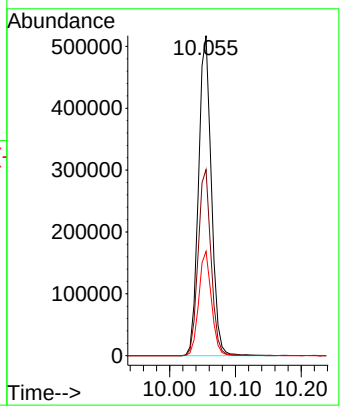


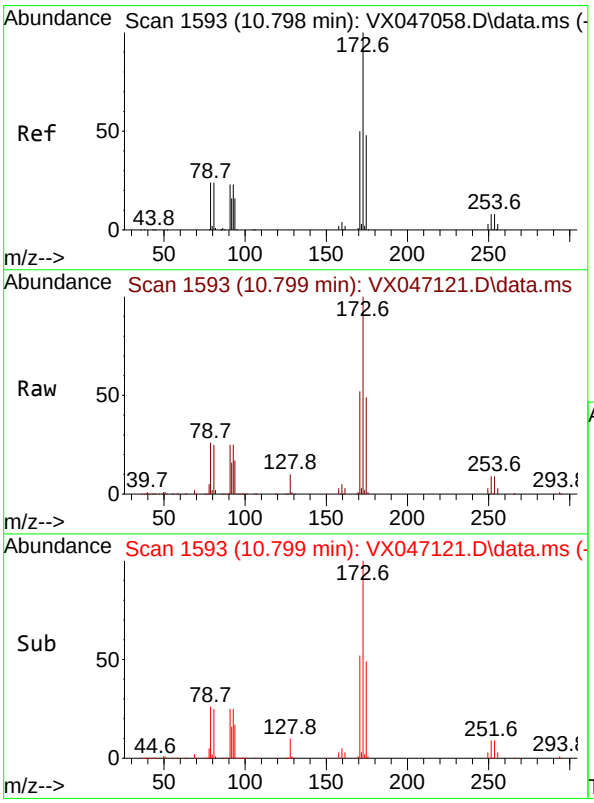
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXAL

Tgt Ion:117 Resp: 702427

Ion	Ratio	Lower	Upper
117	100		
82	58.2	45.4	68.2
119	32.6	26.1	39.1

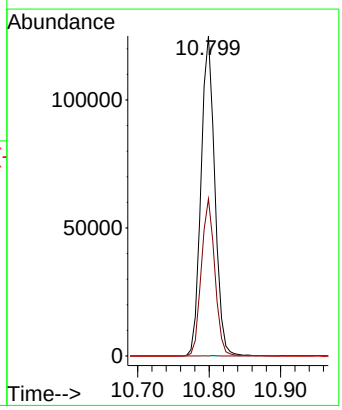


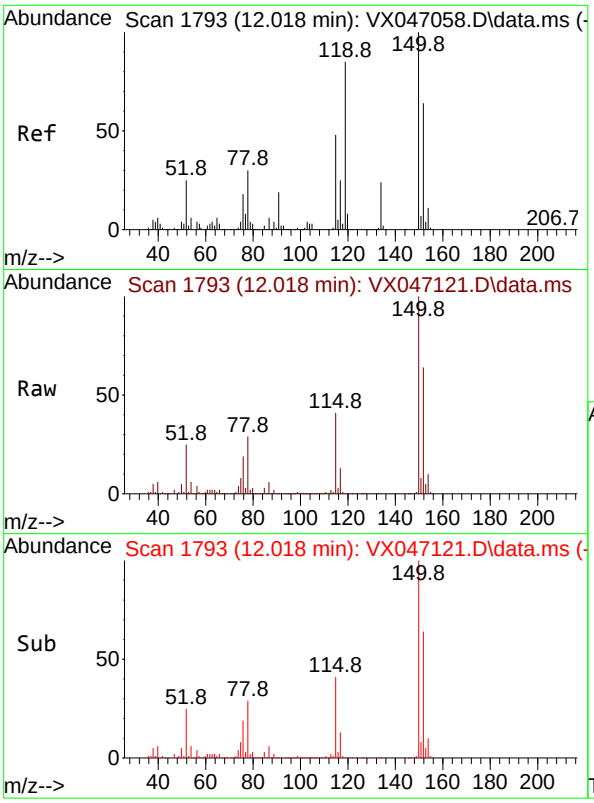


#71
Bromoform
Concen: 39.867 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Tgt Ion:173 Resp: 167778

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.2	72.6
254	0.1	0.1	0.1#



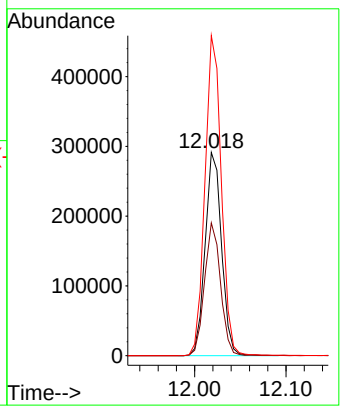


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047121.D
Acq: 24 Jul 2025 15:33

Instrument :
MSVOA_X
ClientSampleId :
CC0627-CLOXAL

Tgt Ion:152 Resp: 362645

Ion	Ratio	Lower	Upper
152	100		
115	63.8	45.6	136.7
150	157.2	0.0	354.6



Raw Data: **VX047122.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	06/27/25
Project:	CC2-16 Analytical	Date Received:	06/27/25
Client Sample ID:	CC0627-BL	SDG No.:	Q2481
Lab Sample ID:	Q2481-20	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047122.D	10	07/24/25 15:54	VX072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	2.30	50.0	ug/L
78-93-3	2-Butanone	9.80	U	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	U	2.50	50.0	ug/L
67-66-3	Chloroform	2.50	U	2.50	50.0	ug/L
71-43-2	Benzene	1.50	U	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	U	0.93	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	U	1.20	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.6		74 - 125	93%	SPK: 50
1868-53-7	Dibromofluoromethane	27.6	*	75 - 124	55%	SPK: 50
2037-26-5	Toluene-d8	46.6		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		77 - 121	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	503000	5.562			
540-36-3	1,4-Difluorobenzene	913000	6.769			
3114-55-4	Chlorobenzene-d5	857000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	441000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047122.D
Acq On : 24 Jul 2025 15:54
Operator : JC/MD
Sample : Q2481-20 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0627-BL

Quant Time: Jul 25 01:25:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	503250	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	912608	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	857469	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	440518	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	292044	46.586	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	93.180%		
35) Dibromofluoromethane	5.397	113	155554	27.606	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	55.220%#		
50) Toluene-d8	8.653	98	850076	46.585	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	93.160%		
62) 4-Bromofluorobenzene	11.079	95	351914	44.751	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	89.500%		
Target Compounds						Qvalue
17) Carbon Disulfide	2.532	76	36282	1.983	ug/l	98
20) Methylene Chloride	2.806	84	624555	90.398	ug/l	99
71) Bromoform	10.799	173	49616	9.658	ug/l #	98

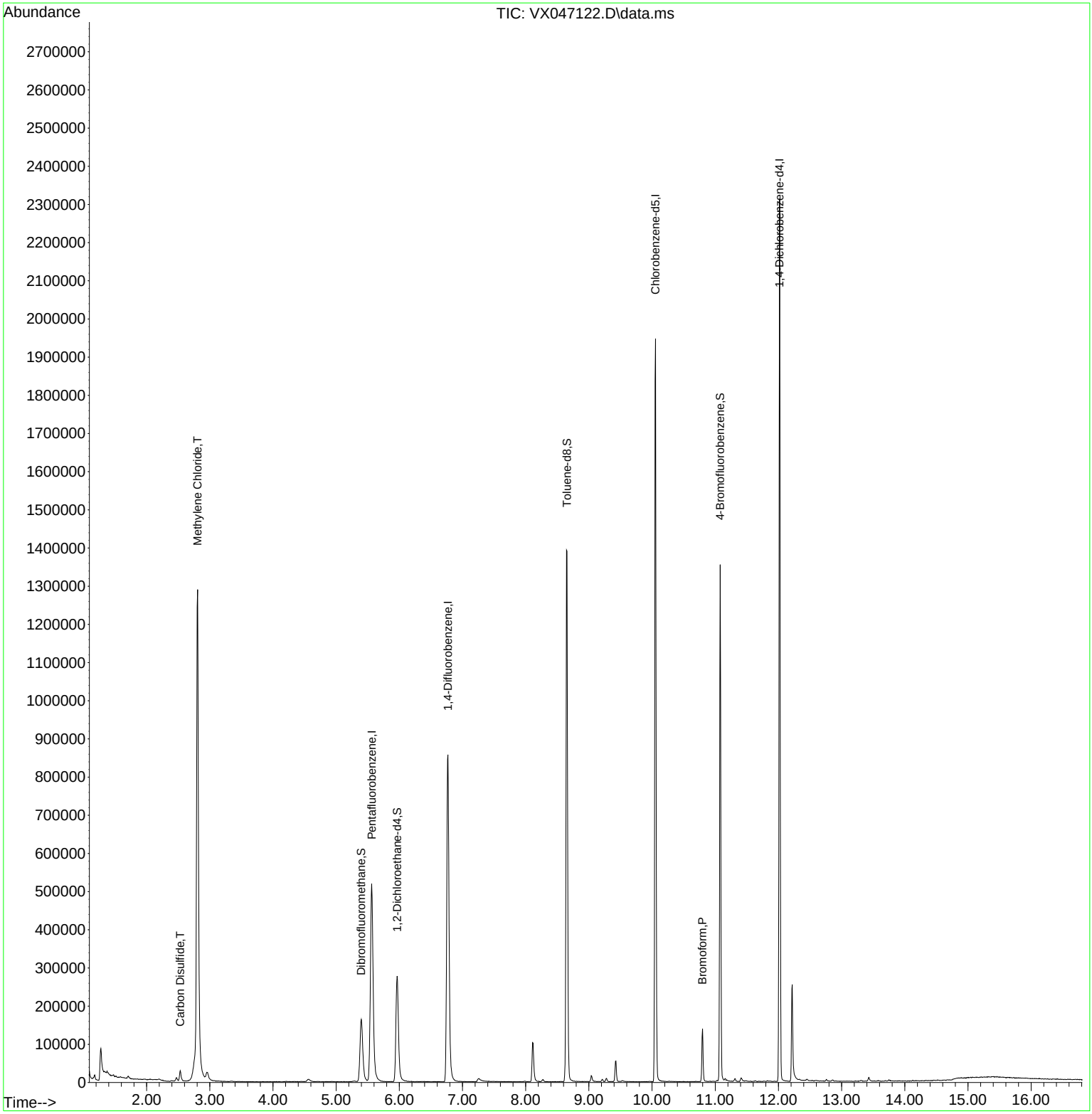
(#) = qualifier out of range (m) = manual integration (+) = signals summed

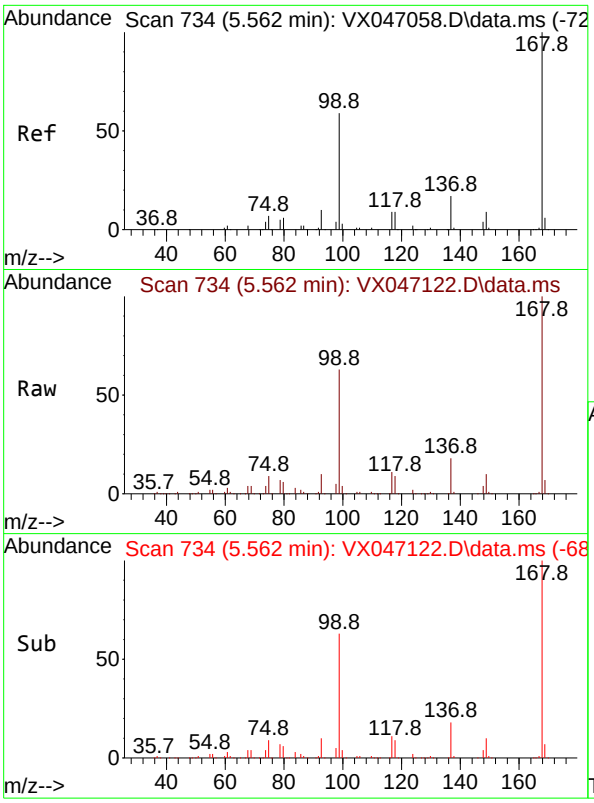
Sample Results: **VX047122.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047122.D
Acq On : 24 Jul 2025 15:54
Operator : JC/MD
Sample : Q2481-20 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0627-BL

Quant Time: Jul 25 01:25:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



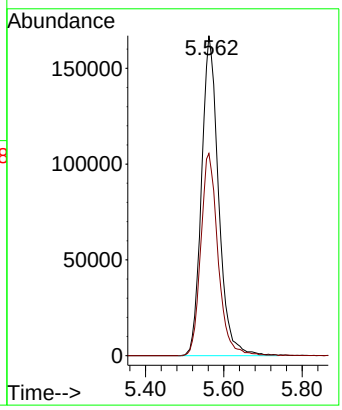


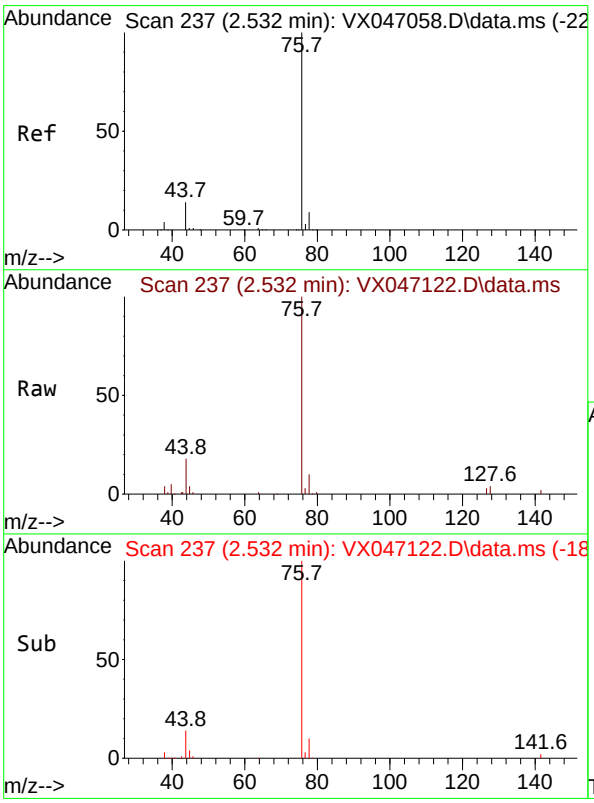
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047122.D
Acq: 24 Jul 2025 15:54

Instrument :
MSVOA_X
ClientSampleId :
CC0627-BL

Tgt Ion:168 Resp: 503250

Ion	Ratio	Lower	Upper
168	100		
99	63.2	48.0	72.0

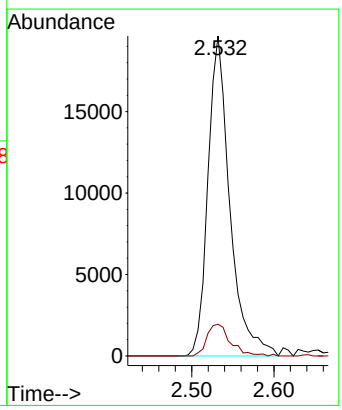


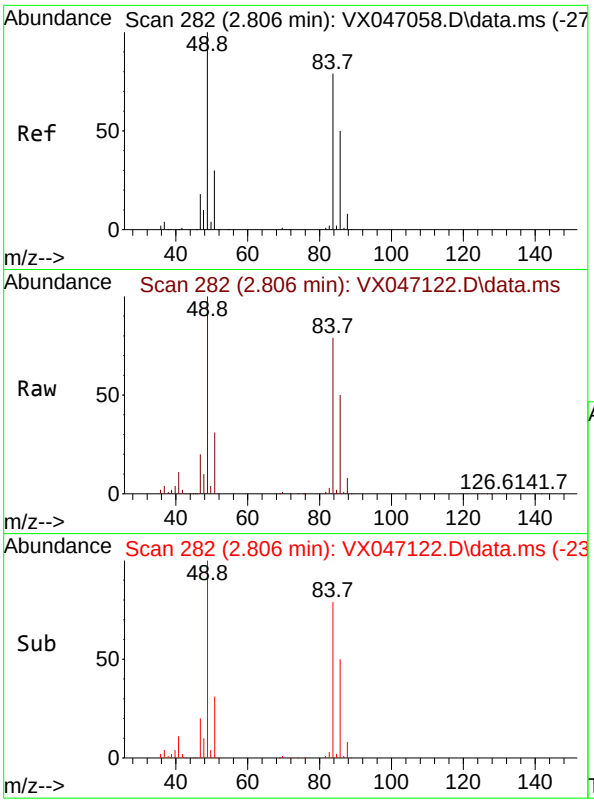


#17
Carbon Disulfide
Concen: 1.983 ug/l
RT: 2.532 min Scan# 237
Delta R.T. 0.000 min
Lab File: VX047122.D
Acq: 24 Jul 2025 15:54

Tgt Ion: 76 Resp: 36282

Ion	Ratio	Lower	Upper
76	100		
78	9.6	7.0	10.4



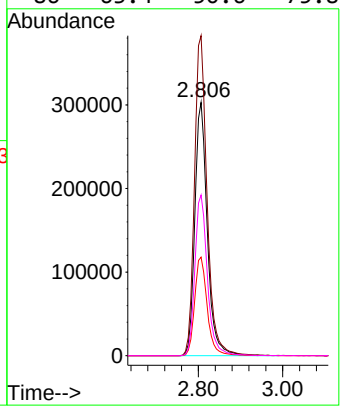


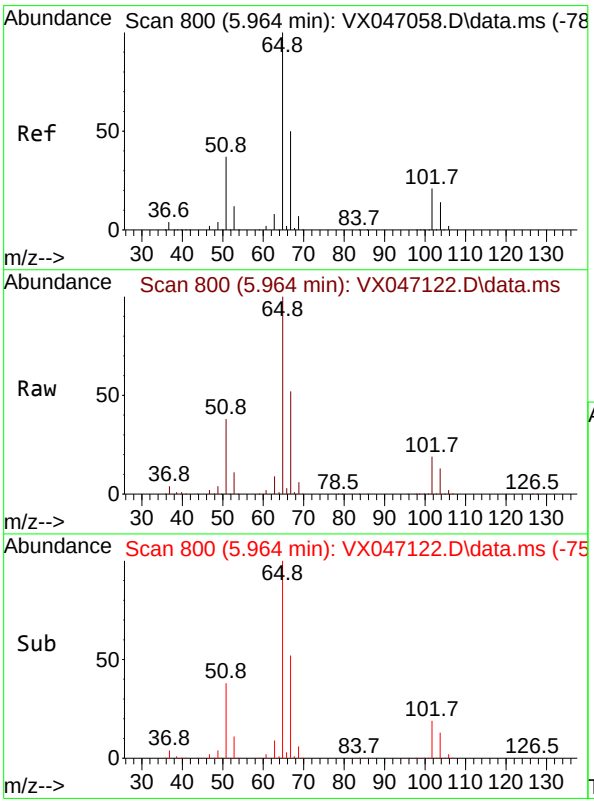
#20
Methylene Chloride
Concen: 90.398 ug/l
RT: 2.806 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047122.D
Acq: 24 Jul 2025 15:54

Instrument :
MSVOA_X
ClientSampleId :
CC0627-BL

Tgt Ion: 84 Resp: 624555

Ion	Ratio	Lower	Upper
84	100		
49	126.3	101.6	152.4
51	38.9	30.3	45.5
86	63.4	50.6	75.8

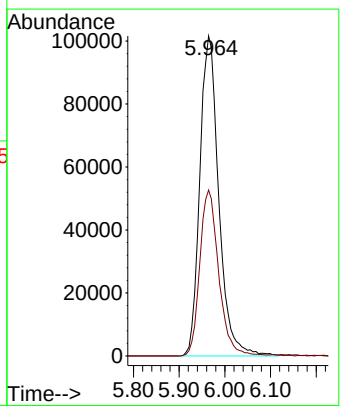


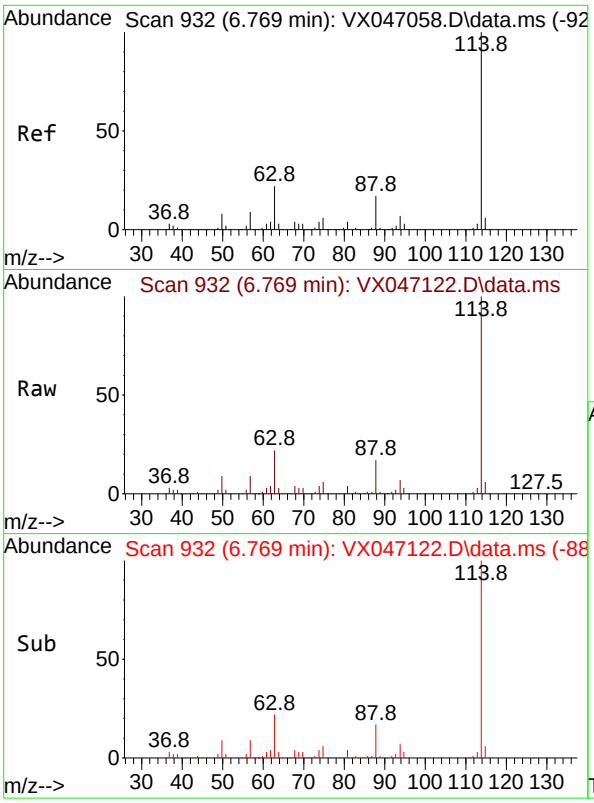


#33
1,2-Dichloroethane-d4
Concen: 46.586 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047122.D
Acq: 24 Jul 2025 15:54

Tgt Ion: 65 Resp: 292044

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.8



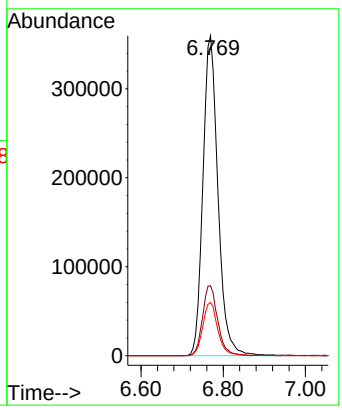


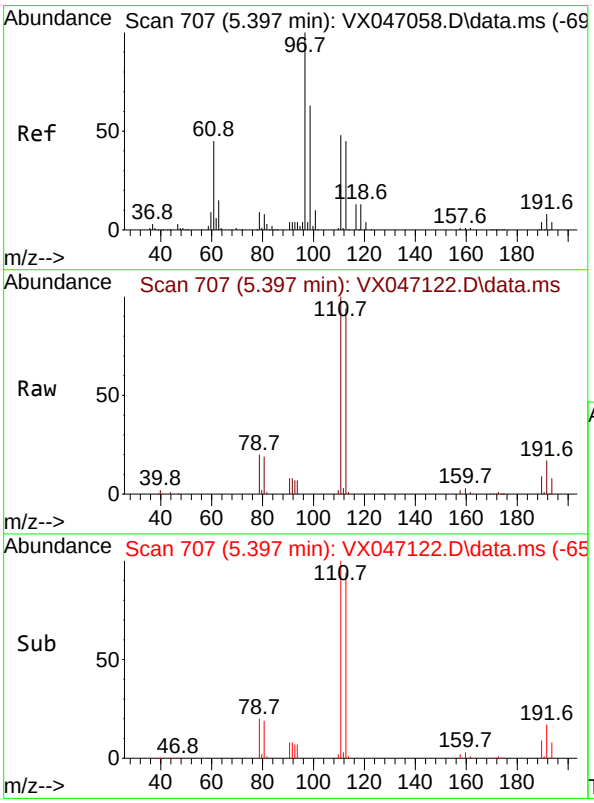
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047122.D
Acq: 24 Jul 2025 15:54

Instrument :
MSVOA_X
ClientSampleId :
CC0627-BL

Tgt Ion:114 Resp: 912608

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.2
88	16.6	0.0	33.8

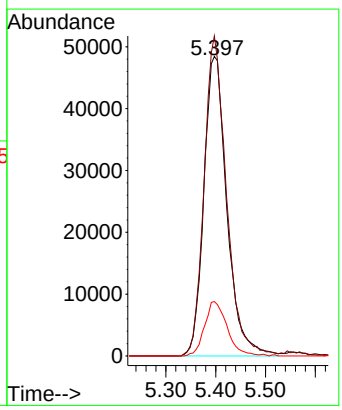


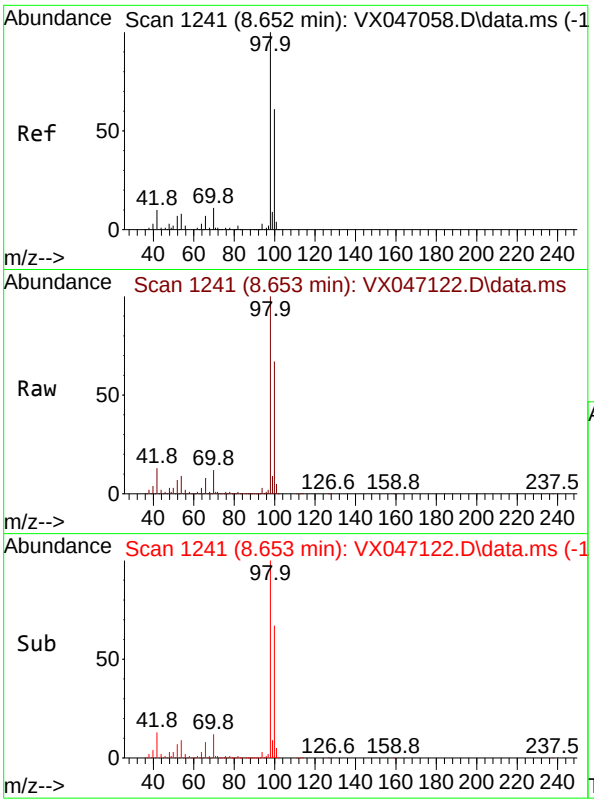


#35
Dibromofluoromethane
Concen: 27.606 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047122.D
Acq: 24 Jul 2025 15:54

Tgt Ion:113 Resp: 155554

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	124.0
192	17.9	14.9	22.3



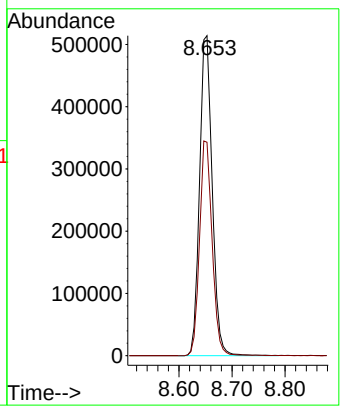


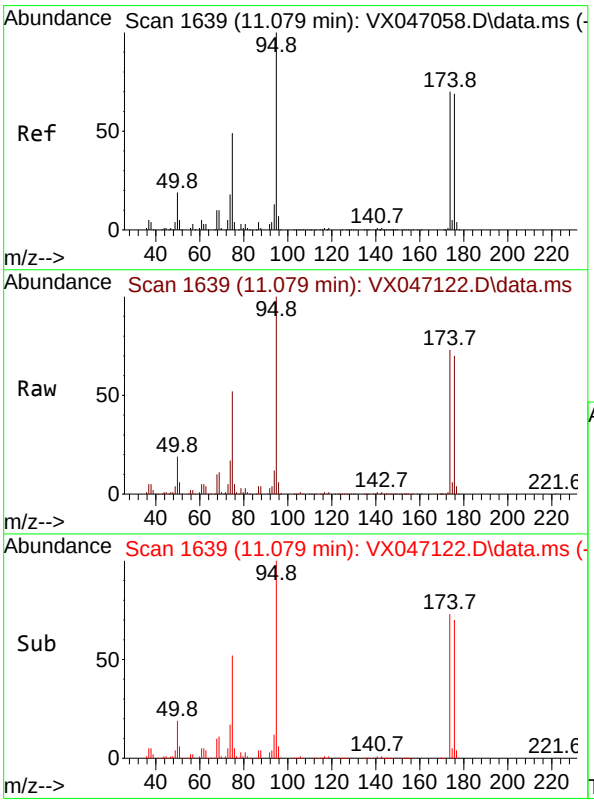
#50
Toluene-d8
Concen: 46.585 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047122.D
Acq: 24 Jul 2025 15:54

Instrument :
MSVOA_X
ClientSampleId :
CC0627-BL

Tgt Ion: 98 Resp: 850076

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9

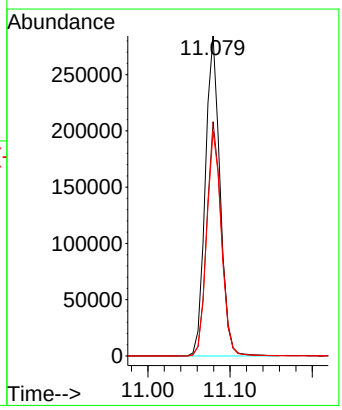


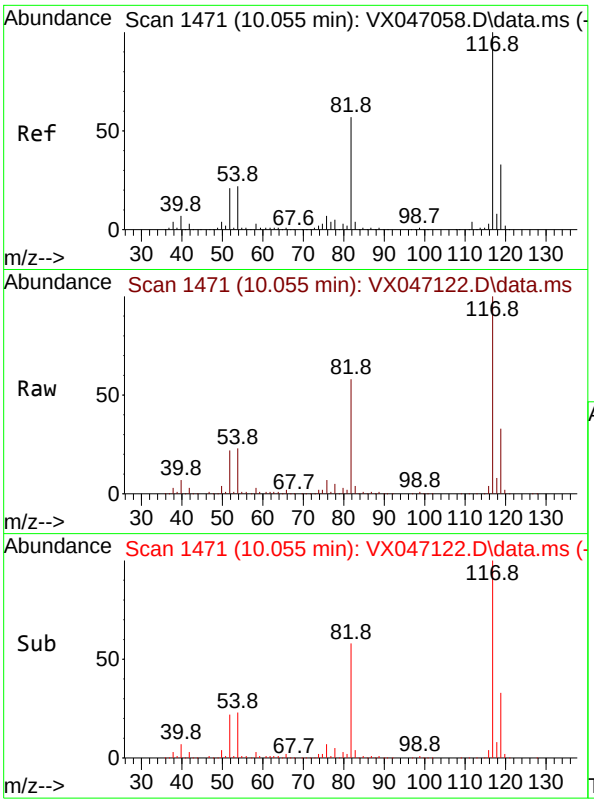


#62
4-Bromofluorobenzene
Concen: 44.751 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047122.D
Acq: 24 Jul 2025 15:54

Tgt Ion: 95 Resp: 351914

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	144.6
176	70.2	0.0	139.6



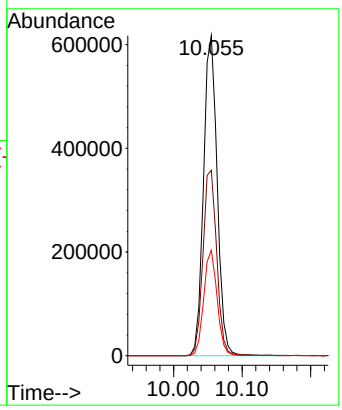


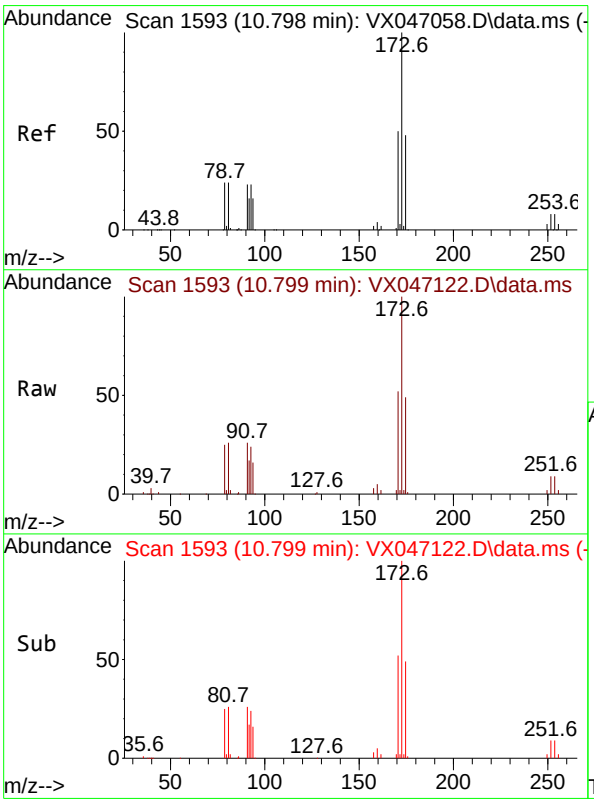
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047122.D
Acq: 24 Jul 2025 15:54

Instrument :
MSVOA_X
ClientSampleId :
CC0627-BL

Tgt Ion:117 Resp: 857469

Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.4	68.2
119	33.0	26.1	39.1

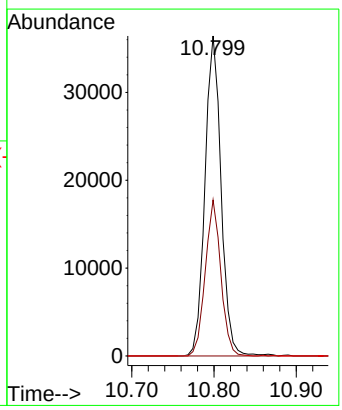


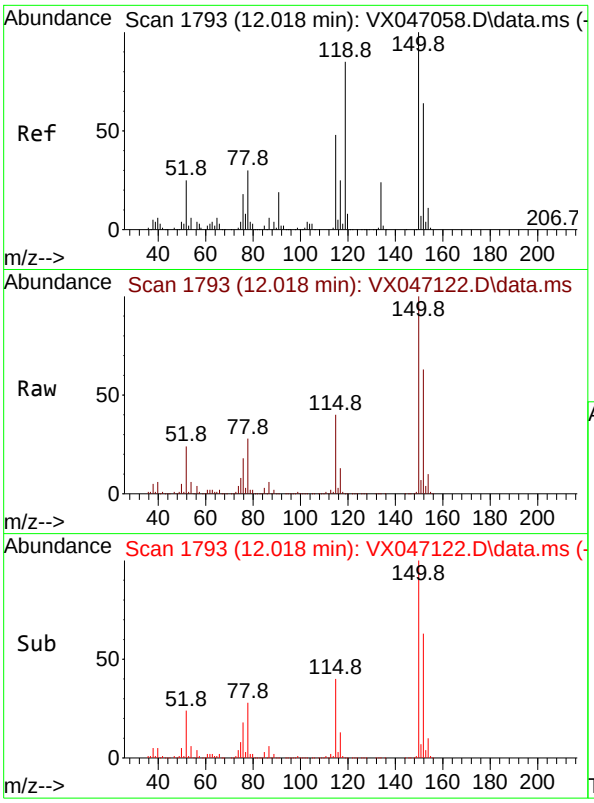


#71
Bromoform
Concen: 9.658 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047122.D
Acq: 24 Jul 2025 15:54

Tgt Ion:173 Resp: 49616

Ion	Ratio	Lower	Upper
173	100		
175	47.0	24.2	72.6
254	0.0	0.1	0.1#



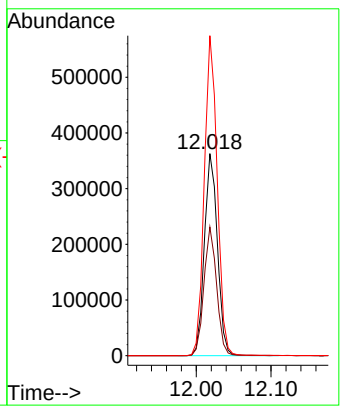


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047122.D
Acq: 24 Jul 2025 15:54

Instrument :
MSVOA_X
ClientSampleId :
CC0627-BL

Tgt Ion:152 Resp: 440518

Ion	Ratio	Lower	Upper
152	100		
115	61.8	45.6	136.7
150	156.8	0.0	354.6



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	06/27/25
Project:	CC2-16 Analytical	Date Received:	06/27/25
Client Sample ID:	CC0627-SFBL	SDG No.:	Q2481
Lab Sample ID:	Q2481-21	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047120.D	10	07/24/25 15:12	VX072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	2.60	U	2.60	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	U	2.30	50.0	ug/L
78-93-3	2-Butanone	9.80	U	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	U	2.50	50.0	ug/L
67-66-3	Chloroform	2.50	U	2.50	50.0	ug/L
71-43-2	Benzene	1.50	U	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	U	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	U	0.93	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	U	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	U	1.20	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	18.3	*	75 - 124	37%	SPK: 50
2037-26-5	Toluene-d8	48.0		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	489000	5.562			
540-36-3	1,4-Difluorobenzene	893000	6.769			
3114-55-4	Chlorobenzene-d5	845000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	419000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047120.D
Acq On : 24 Jul 2025 15:12
Operator : JC/MD
Sample : Q2481-21 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0627-SFBL

Quant Time: Jul 25 01:24:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

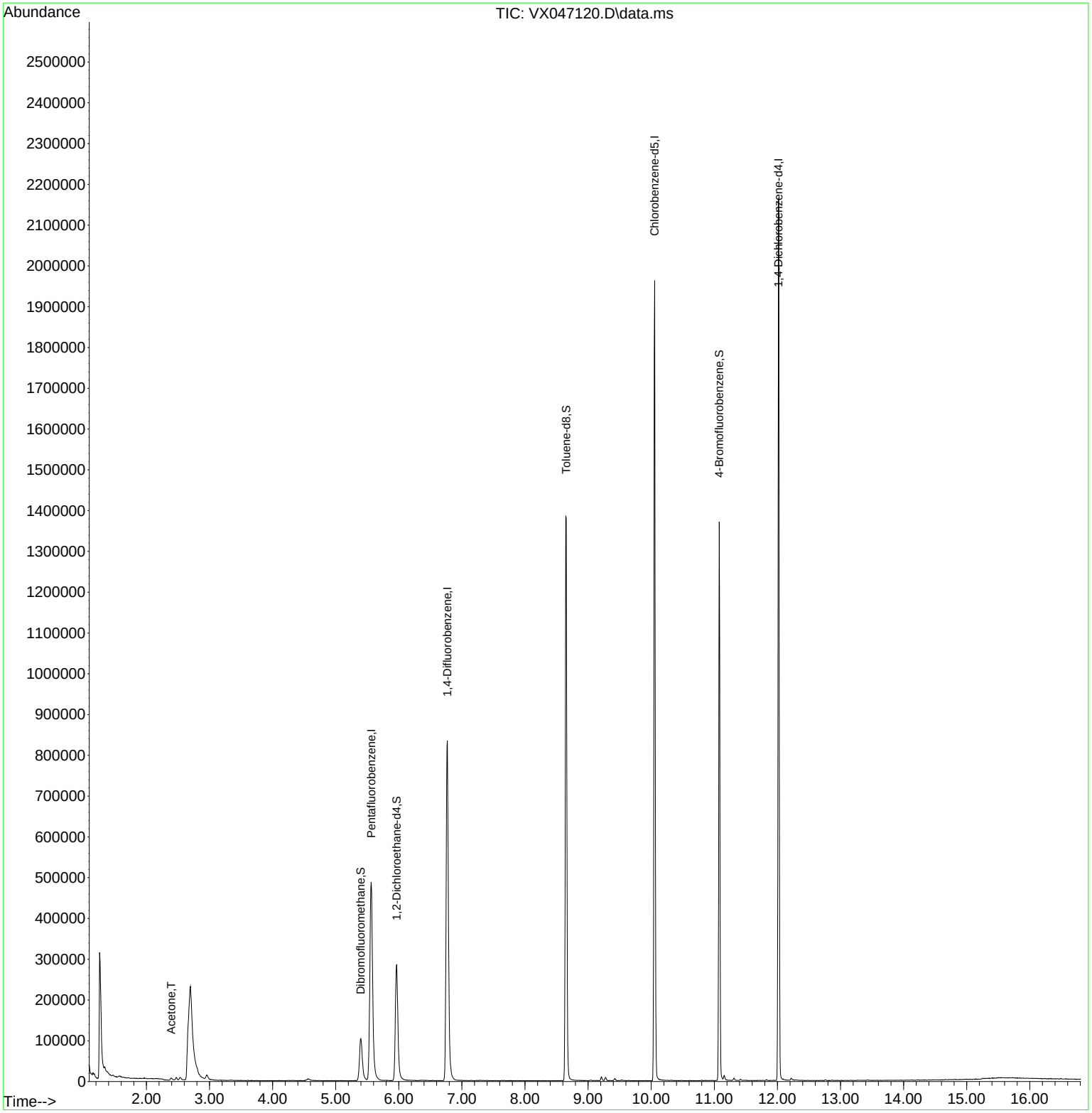
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	488832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	892867	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	845132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	418999	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	302516	49.680	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	99.360%		
35) Dibromofluoromethane	5.397	113	100894	18.302	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	36.600%#		
50) Toluene-d8	8.653	98	856632	47.982	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	95.960%		
62) 4-Bromofluorobenzene	11.079	95	362137	47.069	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	94.140%		
Target Compounds						Qvalue
16) Acetone	2.392	43	7716	3.163	ug/l #	80

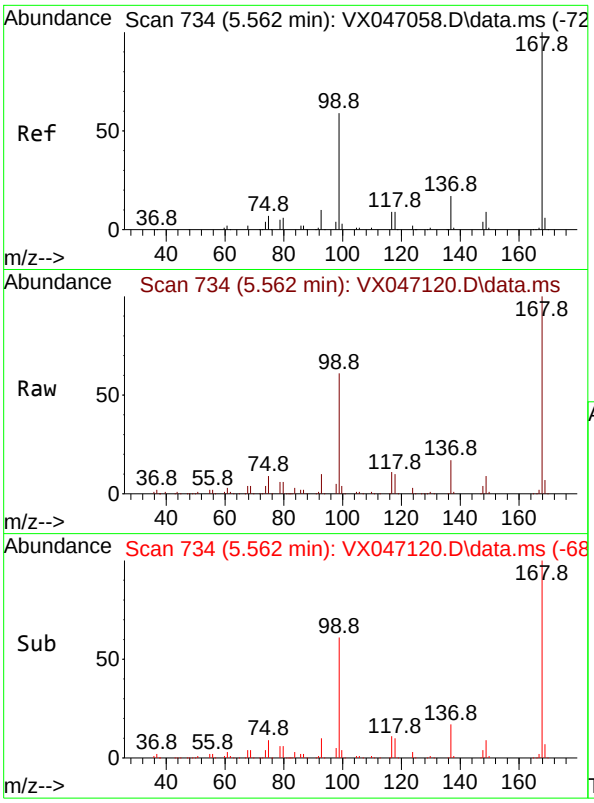
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047120.D
Acq On : 24 Jul 2025 15:12
Operator : JC/MD
Sample : Q2481-21 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
CC0627-SFBL

Quant Time: Jul 25 01:24:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



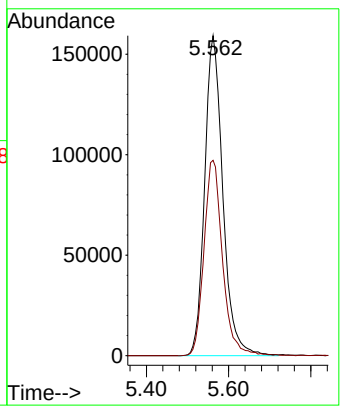


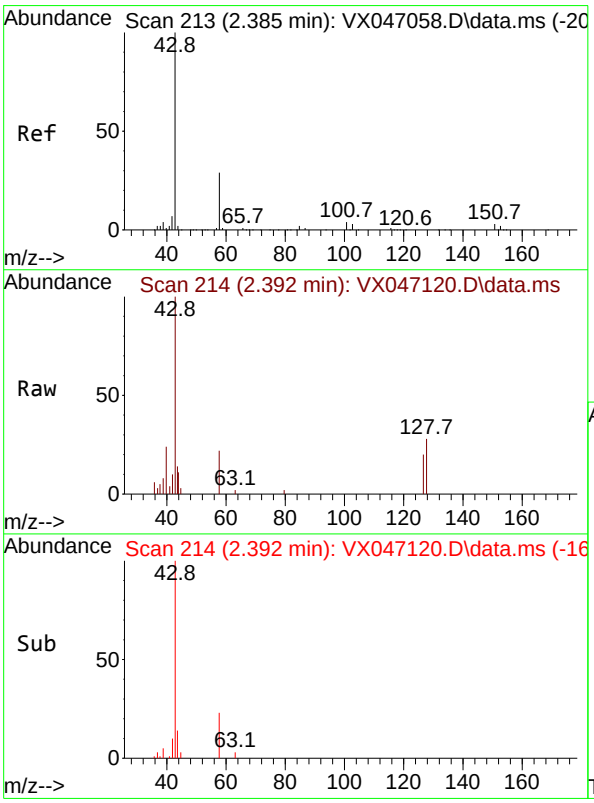
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Instrument :
MSVOA_X
ClientSampleId :
CC0627-SFBL

Tgt Ion:168 Resp: 488832

Ion	Ratio	Lower	Upper
168	100		
99	61.1	48.0	72.0

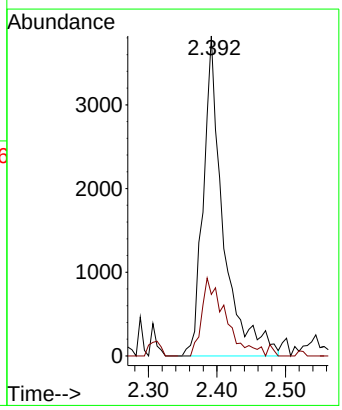


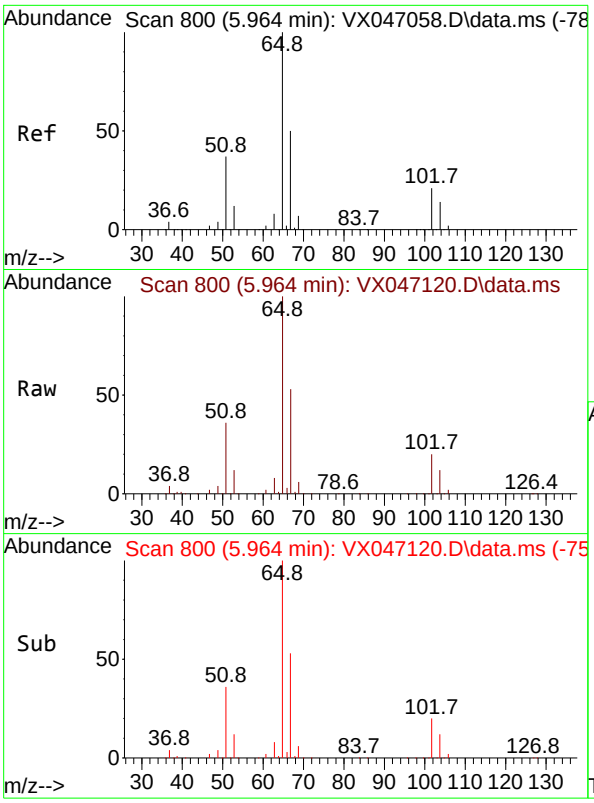


#16
Acetone
Concen: 3.163 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Tgt Ion: 43 Resp: 7716

Ion	Ratio	Lower	Upper
43	100		
58	19.2	24.0	36.0#



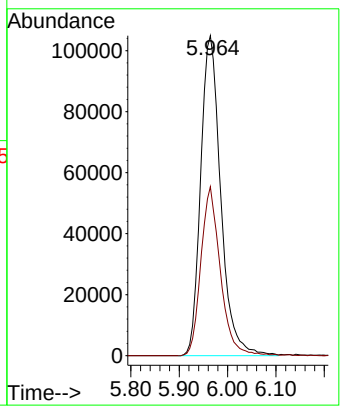


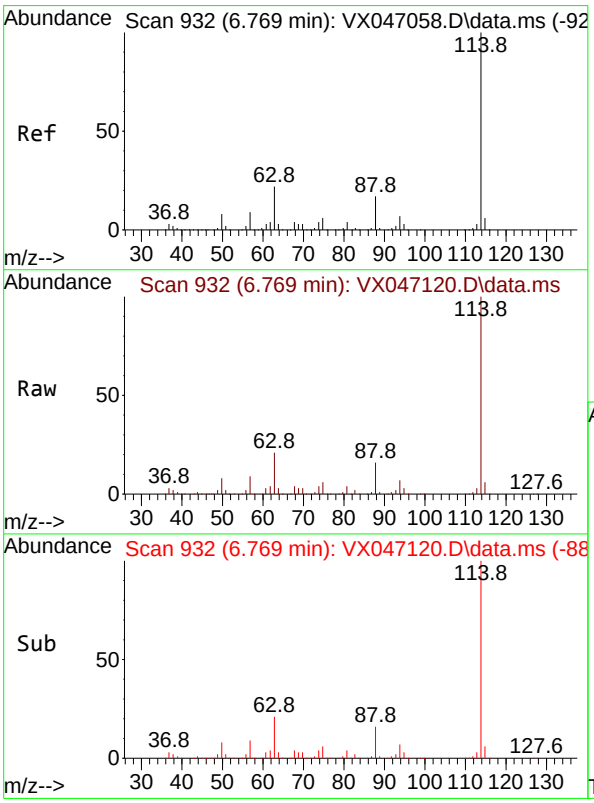
#33
1,2-Dichloroethane-d4
Concen: 49.680 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Instrument :
MSVOA_X
ClientSampleId :
CC0627-SFBL

Tgt Ion: 65 Resp: 302516

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	104.8

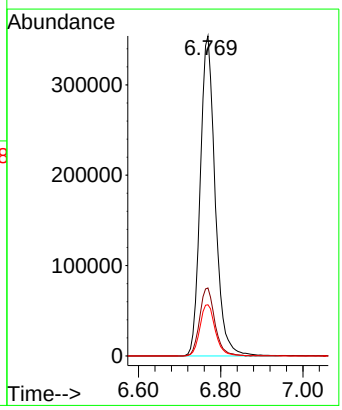


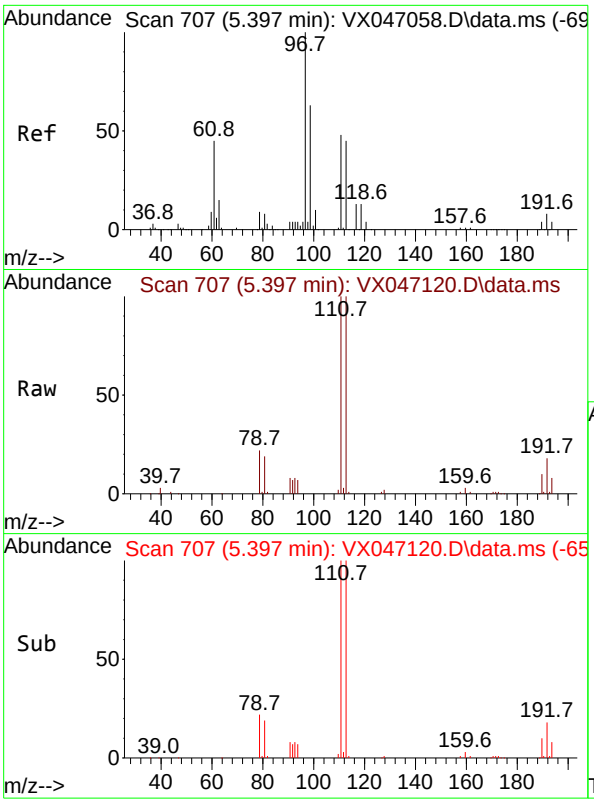


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Tgt Ion:114 Resp: 892867

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.2
88	16.0	0.0	33.8



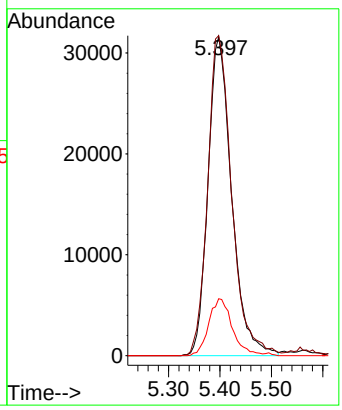


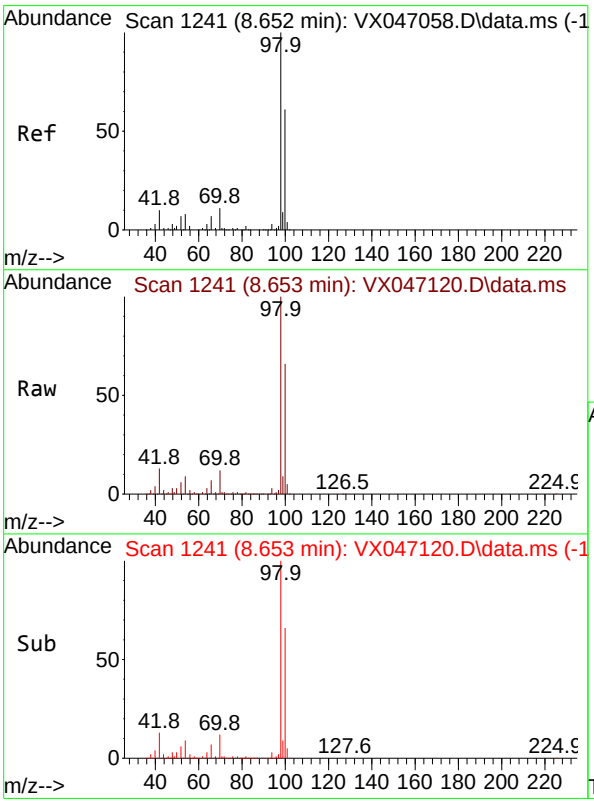
#35
Dibromofluoromethane
Concen: 18.302 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Instrument :
MSVOA_X
ClientSampleId :
CC0627-SFBL

Tgt Ion:113 Resp: 100894

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	124.0
192	17.8	14.9	22.3

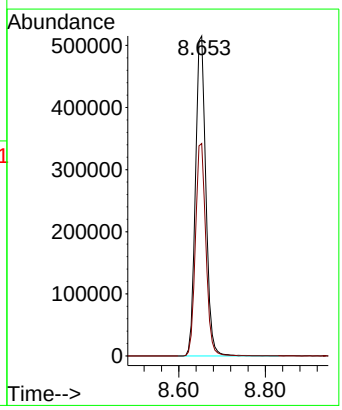


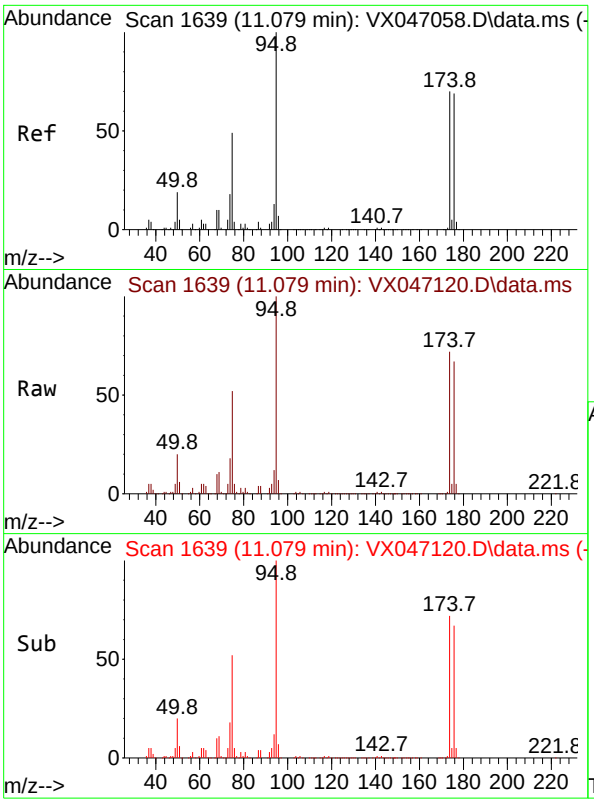


#50
Toluene-d8
Concen: 47.982 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Tgt Ion: 98 Resp: 856632

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9



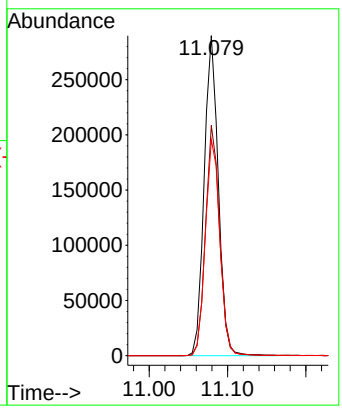


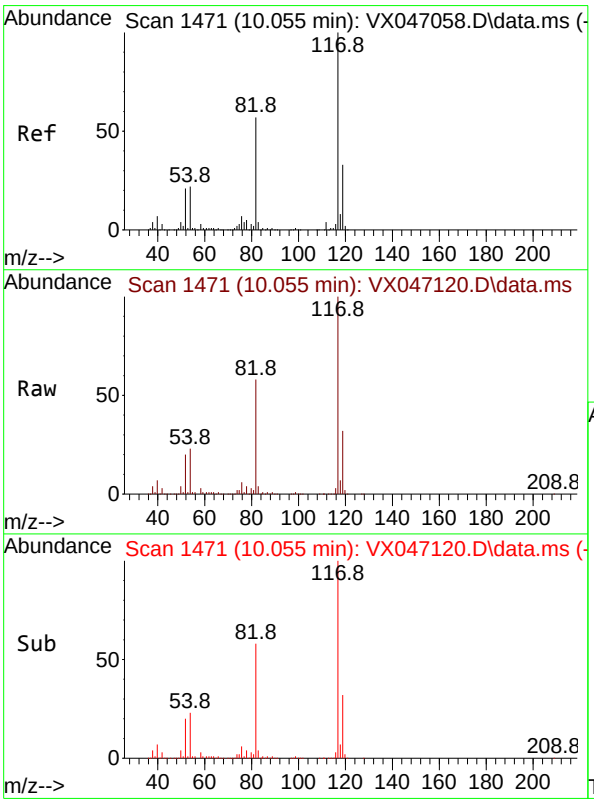
#62
4-Bromofluorobenzene
Concen: 47.069 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Instrument :
MSVOA_X
ClientSampleId :
CC0627-SFBL

Tgt Ion: 95 Resp: 362137

Ion	Ratio	Lower	Upper
95	100		
174	72.1	0.0	144.6
176	69.5	0.0	139.6

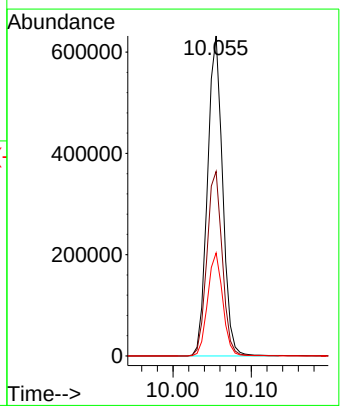


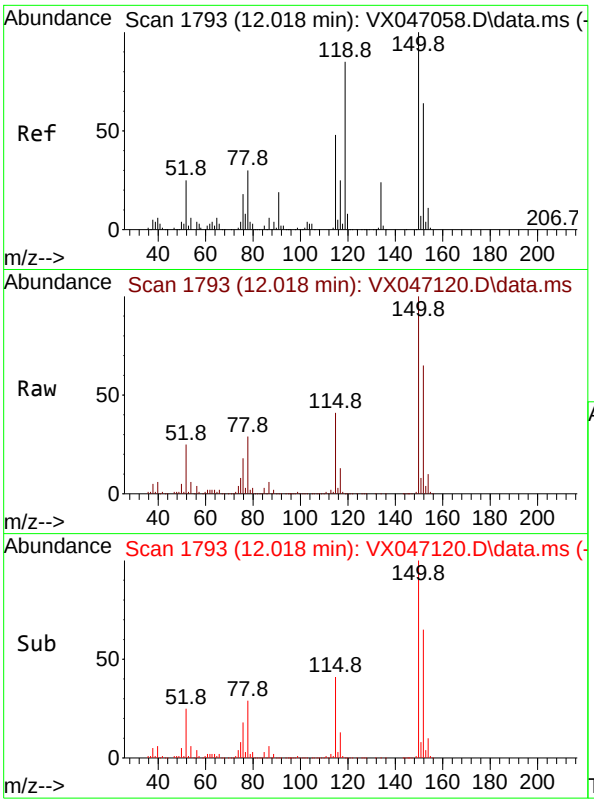


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Tgt Ion:117 Resp: 845132

Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.4	68.2
119	32.2	26.1	39.1



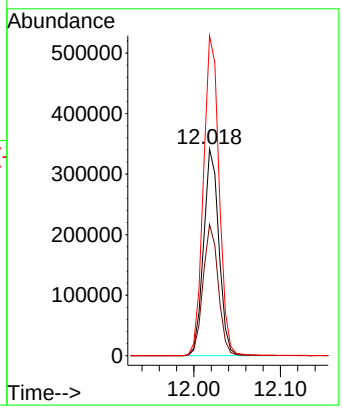


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047120.D
Acq: 24 Jul 2025 15:12

Instrument :
MSVOA_X
ClientSampleId :
CC0627-SFBL

Tgt Ion:152 Resp: 418999

Ion	Ratio	Lower	Upper
152	100		
115	63.5	45.6	136.7
150	159.0	0.0	354.6



CALIBRATION SUMMARY

Raw Data

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG No.: Q2481

Instrument ID: MSVOA_X Calibration Date(s): 07/21/2025 07/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:47 11:32

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VX047055.D RRF005 = VX047056.D RRF020 = VX047057.D
RRF050 = VX047058.D RRF100 = VX047059.D RRF150 = VX047060.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.578	0.739	0.700	0.780	0.716	0.723	0.706	9.7
1,1-Dichloroethene	0.553	0.659	0.635	0.674	0.624	0.625	0.628	6.7
2-Butanone	0.317	0.376	0.371	0.391	0.363	0.362	0.363	6.8
Carbon Tetrachloride	0.526	0.612	0.566	0.595	0.531	0.540	0.562	6.4
Chloroform	1.180	1.357	1.252	1.289	1.175	1.164	1.236	6.2
Benzene	1.327	1.656	1.573	1.650	1.451	1.480	1.523	8.4
1,2-Dichloroethane	0.468	0.587	0.558	0.576	0.512	0.517	0.536	8.5
Trichloroethene	0.350	0.427	0.392	0.420	0.371	0.383	0.391	7.5
Tetrachloroethene	0.322	0.403	0.381	0.376	0.337	0.344	0.360	8.6
Chlorobenzene	1.029	1.295	1.225	1.231	1.114	1.135	1.171	8.2
1,2-Dichloroethane-d4		0.768	0.511	0.575	0.611	0.649	0.623	15.4
Dibromofluoromethane		0.355	0.262	0.296	0.302	0.328	0.309	11.3
Toluene-d8		1.293	0.821	0.924	0.946	1.014	1.000	17.8
4-Bromofluorobenzene		0.514	0.369	0.409	0.417	0.445	0.431	12.5

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Response Factor Report MSVOA_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025
Response Via : Initial Calibration

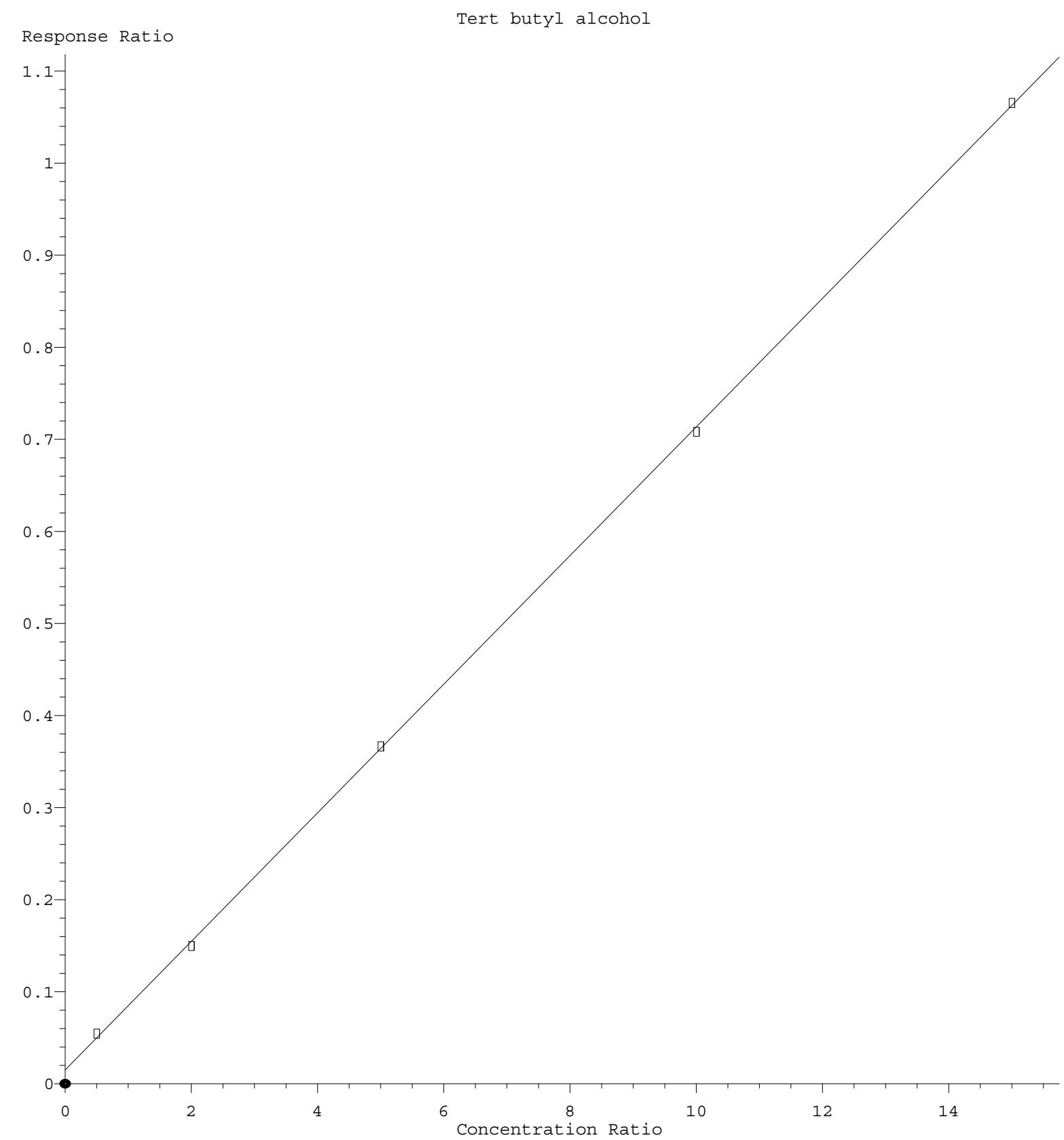
Calibration Files
1 =VX047055.D 5 =VX047056.D 20 =VX047057.D 50 =VX047058.D 100 =VX047059.D 150 =VX047060.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.516	0.640	0.610	0.768	0.721	0.729	0.664	14.06
3)	P	Chloromethane	0.582	0.668	0.626	0.699	0.667	0.701	0.657	7.01
4)	C	Vinyl Chloride	0.578	0.739	0.700	0.780	0.716	0.723	0.706	9.67#
5)	T	Bromomethane		0.408	0.400	0.448	0.353	0.309	0.384	13.95
6)	T	Chloroethane	0.547	0.482	0.436	0.470	0.423	0.424	0.464	10.27
7)	T	Trichlorofluor...	0.853	1.123	1.058	1.158	1.054	1.071	1.053	10.08
8)	T	Diethyl Ether	0.329	0.395	0.376	0.390	0.367	0.370	0.371	6.26
9)	T	1,1,2-Trichlor...	0.558	0.671	0.646	0.675	0.627	0.631	0.634	6.70
10)	T	Methyl Iodide		0.476	0.552	0.727	0.718	0.760	0.647	19.34
11)	T	Tert butyl alc...		0.109	0.075	0.073	0.071	0.071	0.080	20.51
12)	CM	1,1-Dichloroet...	0.553	0.659	0.635	0.674	0.624	0.625	0.628	6.66#
13)	T	Acrolein		0.135	0.130	0.139	0.133	0.134	0.134	2.33
14)	T	Allyl chloride	0.941	1.191	1.162	1.239	1.139	1.143	1.136	9.00
15)	T	Acrylonitrile	0.208	0.321	0.317	0.329	0.305	0.302	0.297	15.15
16)	T	Acetone	0.268	0.267	0.246	0.252	0.232	0.231	0.250	6.53
17)	T	Carbon Disulfide	1.633	1.926	1.823	1.936	1.783	1.805	1.818	6.09
18)	T	Methyl Acetate	0.657	0.686	0.636	0.688	0.651	0.662	0.663	3.05
19)	T	Methyl tert-bu...	1.640	2.011	1.960	2.055	1.891	1.916	1.912	7.64
20)	T	Methylene Chlo...	0.635	0.751	0.708	0.722	0.653	0.651	0.686	6.83
21)	T	trans-1,2-Dich...	0.531	0.701	0.667	0.695	0.632	0.632	0.643	9.69
22)	T	Diisopropyl ether	1.808	2.393	2.289	2.362	2.126	2.124	2.184	9.93
23)	T	Vinyl Acetate	1.333	1.804	1.858	1.940	1.792	1.782	1.752	12.18
24)	P	1,1-Dichloroet...	1.044	1.327	1.245	1.300	1.177	1.193	1.214	8.40
25)	T	2-Butanone	0.317	0.376	0.371	0.391	0.363	0.362	0.363	6.85
26)	T	2,2-Dichloropr...	0.874	1.011	0.928	0.979	0.912	0.937	0.940	5.20
27)	T	cis-1,2-Dichlo...	0.670	0.832	0.777	0.807	0.739	0.744	0.761	7.56
28)	T	Bromochloromet...	0.457	0.608	0.568	0.609	0.559	0.550	0.559	9.95
29)	T	Tetrahydrofuran	0.182	0.250	0.244	0.256	0.238	0.236	0.234	11.35
30)	C	Chloroform	1.180	1.357	1.252	1.289	1.175	1.164	1.236	6.22#
31)	T	Cyclohexane		1.221	1.187	1.215	1.099	1.101	1.164	5.19
32)	T	1,1,1-Trichlor...	0.961	1.156	1.101	1.127	1.041	1.057	1.074	6.49
33)	S	1,2-Dichloroet...		0.768	0.511	0.575	0.611	0.649	0.623	15.42
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.355	0.262	0.296	0.302	0.328	0.309	11.30
36)	T	1,1-Dichloropr...	0.576	0.527	0.528	0.547	0.484	0.495	0.526	6.34
37)	T	Ethyl Acetate	0.496	0.537	0.438	0.511	0.462	0.466	0.485	7.48
38)	T	Carbon Tetrach...	0.526	0.612	0.566	0.595	0.531	0.540	0.562	6.35
39)	T	Methylcyclohexane	0.583	0.693	0.674	0.699	0.640	0.653	0.657	6.46
40)	TM	Benzene	1.327	1.656	1.573	1.650	1.451	1.480	1.523	8.41
41)	T	Methacrylonitrile	0.186	0.259	0.258	0.292	0.265	0.262	0.254	13.95
42)	TM	1,2-Dichloroet...	0.468	0.587	0.558	0.576	0.512	0.517	0.536	8.46
43)	T	Isopropyl Acetate	0.527	0.792	0.786	0.850	0.779	0.802	0.756	15.22
44)	TM	Trichloroethene	0.350	0.427	0.392	0.420	0.371	0.383	0.391	7.51
45)	C	1,2-Dichloropr...	0.334	0.419	0.393	0.408	0.363	0.371	0.381	8.25#
46)	T	Dibromomethane	0.204	0.304	0.275	0.294	0.261	0.267	0.267	13.17
47)	T	Bromodichlorom...	0.494	0.626	0.579	0.617	0.543	0.557	0.569	8.68
48)	T	Methyl methacr...	0.418	0.400	0.397	0.440	0.404	0.413	0.412	3.83
49)	T	1,4-Dioxane	0.003	0.005	0.005	0.005	0.005	0.005	0.005	17.78
50)	S	Toluene-d8		1.293	0.821	0.924	0.946	1.014	1.000	17.79
51)	T	4-Methyl-2-Pen...	0.371	0.477	0.470	0.497	0.440	0.440	0.449	9.81
52)	CM	Toluene	0.762	1.047	0.987	1.017	0.896	0.910	0.936	11.12#
53)	T	t-1,3-Dichloro...	0.429	0.549	0.546	0.592	0.548	0.562	0.538	10.42
54)	T	cis-1,3-Dichlo...	0.442	0.611	0.618	0.653	0.593	0.614	0.588	12.62
55)	T	1,1,2-Trichlor...	0.300	0.391	0.373	0.376	0.332	0.335	0.351	9.87
56)	T	Ethyl methacry...	0.342	0.527	0.556	0.596	0.544	0.555	0.520	17.35

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X072125W.M

57)	T	1,3-Dichloropr...	0.530	0.687	0.639	0.653	0.576	0.577	0.610	9.62
58)	T	2-Chloroethyl ...	0.189	0.360	0.271	0.323	0.296	0.297	0.289	19.88
59)	T	2-Hexanone	0.192	0.312	0.324	0.343	0.305	0.304	0.297	17.93
60)	T	Dibromochlorom...	0.343	0.449	0.428	0.444	0.398	0.409	0.412	9.45
61)	T	1,2-Dibromoethane	0.334	0.398	0.377	0.395	0.349	0.351	0.367	7.28
62)	S	4-Bromofluorob...		0.514	0.369	0.409	0.417	0.445	0.431	12.53
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.322	0.403	0.381	0.376	0.337	0.344	0.360	8.62
65)	PM	Chlorobenzene	1.029	1.295	1.225	1.231	1.114	1.135	1.171	8.24
66)	T	1,1,1,2-Tetrac...	0.354	0.415	0.404	0.419	0.381	0.392	0.394	6.20
67)	C	Ethyl Benzene	1.814	2.189	2.119	2.204	1.975	1.987	2.048	7.35#
68)	T	m/p-Xylenes	0.693	0.827	0.795	0.818	0.734	0.732	0.766	7.07
69)	T	o-Xylene	0.586	0.820	0.769	0.785	0.704	0.711	0.729	11.38
70)	T	Styrene	1.024	1.356	1.332	1.361	1.209	1.219	1.250	10.38
71)	P	Bromoform	0.257	0.323	0.302	0.325	0.292	0.299	0.300	8.23
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.180	4.148	4.146	4.309	3.907	3.979	3.945	10.16
74)	T	N-amyl acetate	1.260	1.501	1.617	1.784	1.658	1.729	1.592	11.89
75)	P	1,1,2,2-Tetrac...	0.979	1.203	1.182	1.210	1.085	1.103	1.127	7.93
76)	T	1,2,3-Trichlor...	0.753	1.027	0.956	0.991	0.904	0.923	0.925	10.32
77)	T	Bromobenzene	0.796	0.997	0.997	1.017	0.925	0.945	0.946	8.58
78)	T	n-propylbenzene	3.796	5.061	4.947	5.118	4.618	4.743	4.714	10.36
79)	T	2-Chlorotoluene	2.428	3.036	2.895	3.029	2.730	2.789	2.818	8.07
80)	T	1,3,5-Trimethy...	2.639	3.508	3.437	3.523	3.181	3.265	3.259	10.22
81)	T	trans-1,4-Dich...		0.301	0.331	0.391	0.375	0.398	0.359	11.62
82)	T	4-Chlorotoluene	2.721	3.585	3.445	3.569	3.183	3.232	3.289	9.88
83)	T	tert-Butylbenzene	2.745	3.433	3.364	3.586	3.198	3.299	3.271	8.83
84)	T	1,2,4-Trimethy...	2.502	3.544	3.415	3.577	3.197	3.269	3.251	12.17
85)	T	sec-Butylbenzene	3.328	4.476	4.269	4.398	3.993	4.056	4.087	10.19
86)	T	p-Isopropyltol...	2.626	3.699	3.570	3.704	3.334	3.402	3.389	11.90
87)	T	1,3-Dichlorobe...	1.562	1.968	1.869	1.908	1.704	1.776	1.798	8.30
88)	T	1,4-Dichlorobe...	1.659	1.982	1.903	1.893	1.723	1.767	1.821	6.79
89)	T	n-Butylbenzene	2.645	3.317	3.324	3.456	3.141	3.187	3.178	8.94
90)	T	Hexachloroethane	0.519	0.601	0.603	0.655	0.619	0.640	0.606	7.84
91)	T	1,2-Dichlorobe...	1.533	1.873	1.764	1.824	1.625	1.691	1.718	7.40
92)	T	1,2-Dibromo-3-...	0.140	0.223	0.223	0.239	0.231	0.242	0.216	17.61
93)	T	1,2,4-Trichlor...	0.919	1.189	1.159	1.224	1.144	1.176	1.135	9.64
94)	T	Hexachlorobuta...	0.334	0.396	0.407	0.406	0.392	0.382	0.386	6.99
95)	T	Naphthalene	2.369	3.231	3.425	3.753	3.499	3.691	3.328	15.20
96)	T	1,2,3-Trichlor...	0.925	1.120	1.117	1.172	1.102	1.126	1.094	7.87

(#) = Out of Range



Response = 6.981e-002 * Amt + 1.498e-002
Coef of Det (r^2) = 0.999878 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X072125W.M
Calibration Table Last Updated: Tue Jul 22 03:59:51 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047055.D
Acq On : 21 Jul 2025 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.562	168	337975	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.769	114	582229	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	522701	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	266871	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 78 - 117		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 92 - 112		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 83 - 123		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.185	85	3490	0.777	ug/l		87
3) Chloromethane	1.307	50	3931	0.885	ug/l	#	86
4) Vinyl Chloride	1.392	62	3909	0.819	ug/l		94
6) Chloroethane	1.709	64	3698	1.180	ug/l		95
7) Trichlorofluoromethane	1.910	101	5767	0.810	ug/l		91
8) Diethyl Ether	2.154	74	2227	0.887	ug/l		93
9) 1,1,2-Trichlorotrifluo...	2.349	101	3769	0.879	ug/l		98
12) 1,1-Dichloroethene	2.343	96	3739	0.880	ug/l		94
14) Allyl chloride	2.684	41	6361	0.829	ug/l		86
15) Acrylonitrile	3.087	53	7013	3.493	ug/l		86
16) Acetone	2.392	43	9071	5.378	ug/l	#	88
17) Carbon Disulfide	2.532	76	11039	0.898	ug/l	#	91
18) Methyl Acetate	2.715	43	4440	0.991	ug/l	#	68
19) Methyl tert-butyl Ether	3.130	73	11087	0.858	ug/l		98
20) Methylene Chloride	2.800	84	4289	0.924	ug/l	#	91
21) trans-1,2-Dichloroethene	3.111	96	3590	0.826	ug/l	#	92
22) Diisopropyl ether	3.776	45	12222	0.828	ug/l		92
23) Vinyl Acetate	3.739	43	45048	3.805	ug/l		100
24) 1,1-Dichloroethane	3.629	63	7054	0.859	ug/l	#	94
25) 2-Butanone	4.617	43	10725	4.367	ug/l		99
26) 2,2-Dichloropropane	4.495	77	5905	0.929	ug/l		88
27) cis-1,2-Dichloroethene	4.501	96	4527	0.880	ug/l		84
28) Bromochloromethane	4.916	49	3092	0.819	ug/l	#	98
29) Tetrahydrofuran	5.032	42	6164	3.890	ug/l	#	87
30) Chloroform	5.111	83	7976	0.955	ug/l		86
32) 1,1,1-Trichloroethane	5.397	97	6496	0.895	ug/l	#	51
36) 1,1-Dichloropropene	5.708	75	6705	1.094	ug/l	#	87
37) Ethyl Acetate	4.751	43	5770m	1.068	ug/l		
38) Carbon Tetrachloride	5.696	117	6120	0.936	ug/l		96
39) Methylcyclohexane	7.379	83	6794	0.888	ug/l		90
40) Benzene	6.050	78	15450	0.871	ug/l		91
41) Methacrylonitrile	4.971	41	2166	0.734	ug/l	#	74
42) 1,2-Dichloroethane	6.105	62	5449	0.872	ug/l		98
43) Isopropyl Acetate	6.367	43	6134	0.697	ug/l	#	94
44) Trichloroethene	7.147	130	4075	0.896	ug/l		62
45) 1,2-Dichloropropane	7.440	63	3895	0.877	ug/l		93

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047055.D
Acq On : 21 Jul 2025 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	2372	0.762	ug/l		88
47) Bromodichloromethane	7.830	83	5749	0.867	ug/l	#	87
48) Methyl methacrylate	7.714	41	4863m	1.014	ug/l		
49) 1,4-Dioxane	7.684	88	700m	12.834	ug/l		
51) 4-Methyl-2-Pentanone	8.580	43	21616	4.131	ug/l		95
52) Toluene	8.726	92	8872	0.814	ug/l		96
53) t-1,3-Dichloropropene	8.994	75	4993	0.798	ug/l		93
54) cis-1,3-Dichloropropene	8.379	75	5149	0.751	ug/l	#	73
55) 1,1,2-Trichloroethane	9.153	97	3490	0.853	ug/l	#	88
56) Ethyl methacrylate	9.128	69	3978	0.657	ug/l		91
57) 1,3-Dichloropropane	9.311	76	6170	0.868	ug/l	#	88
58) 2-Chloroethyl Vinyl ether	8.251	63	11010	3.268	ug/l		98
59) 2-Hexanone	9.439	43	11200	3.240	ug/l		87
60) Dibromochloromethane	9.525	129	3998	0.834	ug/l		91
61) 1,2-Dibromoethane	9.616	107	3885	0.909	ug/l		98
64) Tetrachloroethene	9.275	164	3363	0.892	ug/l	#	90
65) Chlorobenzene	10.080	112	10754	0.878	ug/l	#	80
66) 1,1,1,2-Tetrachloroethane	10.165	131	3699	0.897	ug/l	#	64
67) Ethyl Benzene	10.195	91	18959	0.886	ug/l		100
68) m/p-Xylenes	10.299	106	14496	1.809	ug/l		94
69) o-Xylene	10.640	106	6125	0.804	ug/l		91
70) Styrene	10.659	104	10704	0.819	ug/l		93
71) Bromoform	10.799	173	2687	0.858	ug/l	#	97
73) Isopropylbenzene	10.964	105	16971	0.806	ug/l		100
74) N-amyl acetate	10.848	43	6726m	0.801	ug/l		
75) 1,1,2,2-Tetrachloroethane	11.213	83	5223	0.868	ug/l		96
76) 1,2,3-Trichloropropane	11.244	75	4019m	0.814	ug/l		
77) Bromobenzene	11.201	156	4251	0.842	ug/l		94
78) n-propylbenzene	11.305	91	20259	0.805	ug/l		99
79) 2-Chlorotoluene	11.366	91	12959	0.862	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	14083	0.810	ug/l		98
82) 4-Chlorotoluene	11.457	91	14521	0.827	ug/l		97
83) tert-Butylbenzene	11.713	119	14652	0.839	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	13354	0.770	ug/l		98
85) sec-Butylbenzene	11.890	105	17765	0.814	ug/l		95
86) p-Isopropyltoluene	12.006	119	14016	0.775	ug/l		89
87) 1,3-Dichlorobenzene	11.969	146	8335	0.869	ug/l		97
88) 1,4-Dichlorobenzene	12.043	146	8857m	0.911	ug/l		
89) n-Butylbenzene	12.329	91	14116	0.832	ug/l		95
90) Hexachloroethane	12.536	117	2772	0.857	ug/l		90
91) 1,2-Dichlorobenzene	12.335	146	8184	0.892	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	749	0.649	ug/l		92
93) 1,2,4-Trichlorobenzene	13.591	180	4906	0.810	ug/l		98
94) Hexachlorobutadiene	13.725	225	1785	0.866	ug/l		98
95) Naphthalene	13.780	128	12647	0.712	ug/l		97
96) 1,2,3-Trichlorobenzene	13.963	180	4936	0.846	ug/l		95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

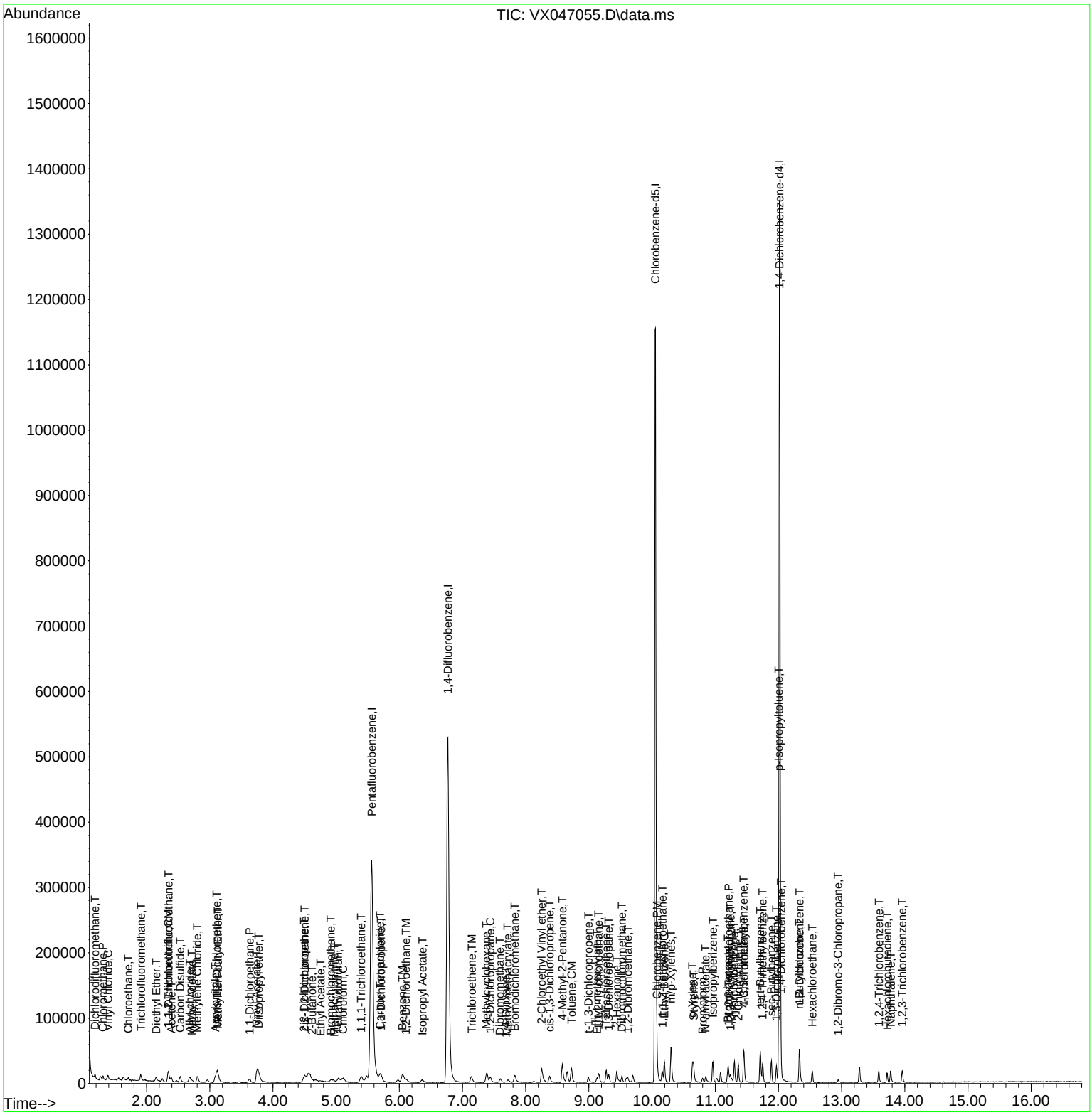
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047055.D
Acq On : 21 Jul 2025 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jul 22 03:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	319458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	542097	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	488683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	246301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	24550	6.169	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	12.340%#		
35) Dibromofluoromethane	5.403	113	19243	5.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	11.500%#		
50) Toluene-d8	8.652	98	70081	6.465	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	12.940%#		
62) 4-Bromofluorobenzene	11.079	95	27880	5.968	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	11.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	20453	4.820	ug/l	95
3) Chloromethane	1.306	50	21331	5.082	ug/l	97
4) Vinyl Chloride	1.385	62	23623	5.236	ug/l	100
5) Bromomethane	1.617	94	13048	5.324	ug/l	88
6) Chloroethane	1.702	64	15411	5.200	ug/l	98
7) Trichlorofluoromethane	1.904	101	35886	5.334	ug/l	96
8) Diethyl Ether	2.148	74	12607	5.315	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	21422	5.285	ug/l	98
10) Methyl Iodide	2.471	142	15201	3.680	ug/l	93
11) Tert butyl alcohol	2.964	59	17392	28.263	ug/l #	92
12) 1,1-Dichloroethene	2.337	96	21053	5.244	ug/l	91
13) Acrolein	2.251	56	21604	25.213	ug/l	99
14) Allyl chloride	2.678	41	38039	5.242	ug/l	99
15) Acrylonitrile	3.074	53	51340	27.051	ug/l	100
16) Acetone	2.391	43	42718	26.796	ug/l	99
17) Carbon Disulfide	2.526	76	61522	5.297	ug/l	100
18) Methyl Acetate	2.721	43	21905	5.171	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	64256	5.259	ug/l	96
20) Methylene Chloride	2.806	84	23989	5.470	ug/l	93
21) trans-1,2-Dichloroethene	3.111	96	22396	5.451	ug/l	96
22) Diisopropyl ether	3.775	45	76458	5.480	ug/l	97
23) Vinyl Acetate	3.739	43	288230	25.756	ug/l	100
24) 1,1-Dichloroethane	3.623	63	42402	5.465	ug/l	96
25) 2-Butanone	4.574	43	60022	25.858	ug/l	97
26) 2,2-Dichloropropane	4.489	77	32298	5.378	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	26579	5.463	ug/l	98
28) Bromochloromethane	4.921	49	19435	5.445	ug/l	96
29) Tetrahydrofuran	5.031	42	39885	26.631	ug/l	96
30) Chloroform	5.110	83	43336	5.487	ug/l	93
31) Cyclohexane	5.482	56	38990	5.241	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	36920	5.382	ug/l	98
36) 1,1-Dichloropropene	5.702	75	28590	5.011	ug/l	98
37) Ethyl Acetate	4.739	43	29112m	5.790	ug/l	
38) Carbon Tetrachloride	5.690	117	33199	5.452	ug/l	97
39) Methylcyclohexane	7.384	83	37547	5.271	ug/l	95
40) Benzene	6.049	78	89797	5.438	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.934	41	14018	5.100 ug/l	98
42) 1,2-Dichloroethane	6.092	62	31844	5.475 ug/l	96
43) Isopropyl Acetate	6.354	43	42946	5.240 ug/l	95
44) Trichloroethene	7.134	130	23153	5.468 ug/l	81
45) 1,2-Dichloropropane	7.439	63	22722	5.494 ug/l	93
46) Dibromomethane	7.592	93	16479	5.682 ug/l	97
47) Bromodichloromethane	7.823	83	33939	5.498 ug/l	99
48) Methyl methacrylate	7.701	41	21660	4.851 ug/l	99
49) 1,4-Dioxane	7.671	88	5549	109.271 ug/l #	92
51) 4-Methyl-2-Pentanone	8.573	43	129413	26.565 ug/l	97
52) Toluene	8.720	92	56775	5.592 ug/l	100
53) t-1,3-Dichloropropene	8.982	75	29776	5.108 ug/l	94
54) cis-1,3-Dichloropropene	8.372	75	33127	5.193 ug/l	98
55) 1,1,2-Trichloroethane	9.152	97	21223	5.574 ug/l	97
56) Ethyl methacrylate	9.116	69	28587	5.072 ug/l	96
57) 1,3-Dichloropropane	9.311	76	37251	5.629 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	97443	31.066 ug/l	98
59) 2-Hexanone	9.433	43	84572	26.276 ug/l	99
60) Dibromochloromethane	9.518	129	24354	5.454 ug/l	99
61) 1,2-Dibromoethane	9.610	107	21578	5.420 ug/l	98
64) Tetrachloroethene	9.274	164	19701	5.592 ug/l	96
65) Chlorobenzene	10.079	112	63268	5.526 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.164	131	20300	5.267 ug/l	99
67) Ethyl Benzene	10.195	91	106984	5.345 ug/l	96
68) m/p-Xylenes	10.299	106	80835	10.791 ug/l	99
69) o-Xylene	10.640	106	40071	5.623 ug/l	94
70) Styrene	10.658	104	66283	5.424 ug/l	100
71) Bromoform	10.798	173	15763	5.384 ug/l #	97
73) Isopropylbenzene	10.963	105	102157	5.257 ug/l	97
74) N-amyl acetate	10.841	43	36965	4.769 ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	29627	5.338 ug/l	99
76) 1,2,3-Trichloropropane	11.237	75	25285m	5.546 ug/l	
77) Bromobenzene	11.195	156	24549	5.267 ug/l	95
78) n-propylbenzene	11.304	91	124648	5.368 ug/l	100
79) 2-Chlorotoluene	11.365	91	74781	5.387 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	86414	5.383 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	7407	4.186 ug/l	86
82) 4-Chlorotoluene	11.457	91	88304	5.450 ug/l	99
83) tert-Butylbenzene	11.713	119	84560	5.248 ug/l	97
84) 1,2,4-Trimethylbenzene	11.749	105	87289	5.451 ug/l	99
85) sec-Butylbenzene	11.890	105	110255	5.477 ug/l	100
86) p-Isopropyltoluene	12.006	119	91112	5.457 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	48466	5.473 ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	48817	5.441 ug/l	95
89) n-Butylbenzene	12.329	91	81710	5.219 ug/l	99
90) Hexachloroethane	12.536	117	14794	4.953 ug/l	97
91) 1,2-Dichlorobenzene	12.335	146	46129	5.450 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	5485	5.148 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	29296	5.239 ug/l	99
94) Hexachlorobutadiene	13.719	225	9742	5.122 ug/l	91
95) Naphthalene	13.774	128	79568	4.854 ug/l	99
96) 1,2,3-Trichlorobenzene	13.962	180	27584	5.120 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

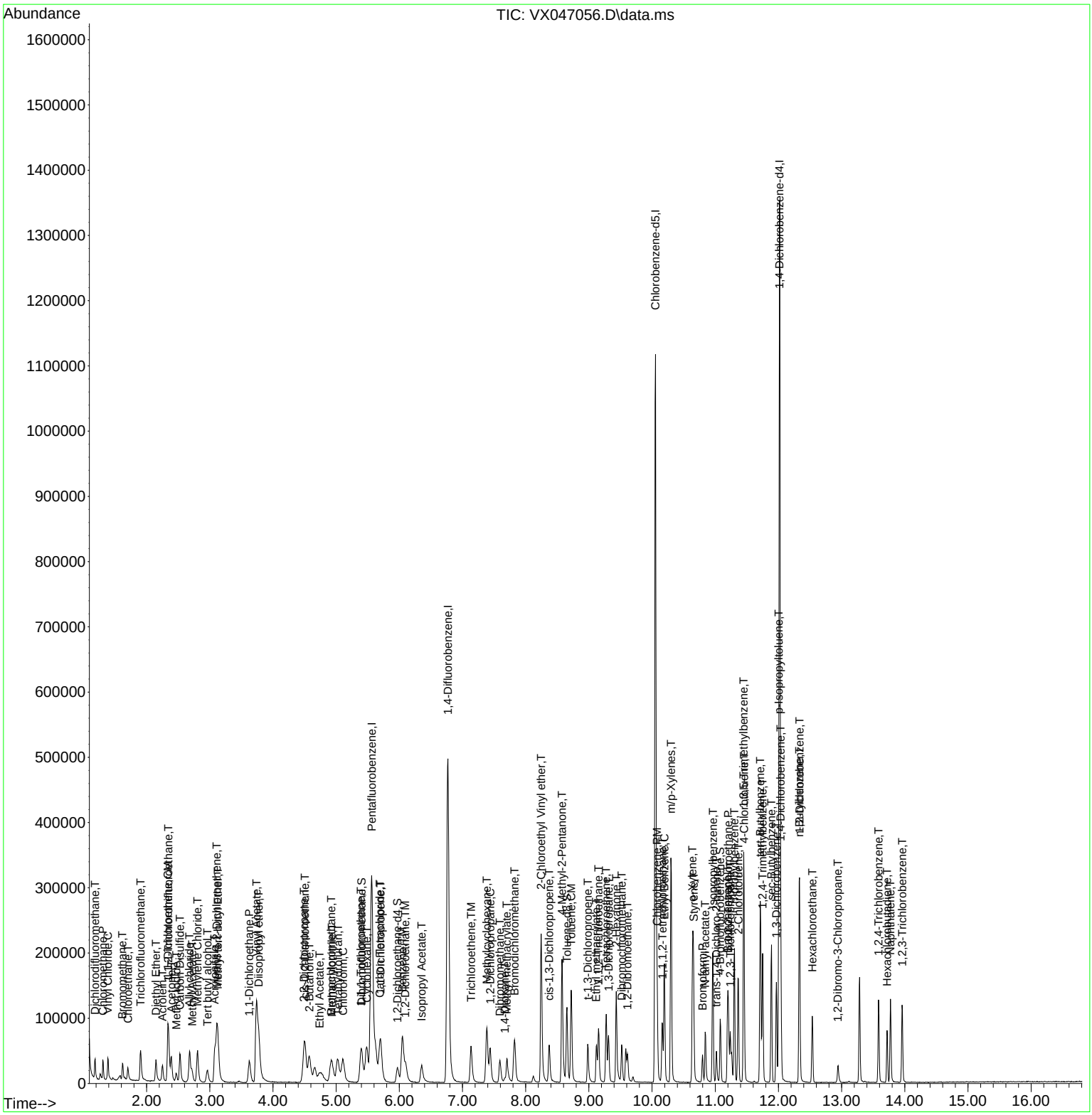
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jul 22 03:36:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	320913	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	544303	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	486572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	240632	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	65541	16.395	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	32.800%#		
35) Dibromofluoromethane	5.397	113	57105	16.992	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	33.980%#		
50) Toluene-d8	8.653	98	178825	16.431	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	32.860%#		
62) 4-Bromofluorobenzene	11.079	95	80359	17.133	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	34.260%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	78327	18.376	ug/l	99
3) Chloromethane	1.306	50	80305	19.046	ug/l	98
4) Vinyl Chloride	1.386	62	89887	19.832	ug/l	96
5) Bromomethane	1.617	94	51290	20.832	ug/l	92
6) Chloroethane	1.703	64	55955	18.797	ug/l	99
7) Trichlorofluoromethane	1.904	101	135815	20.095	ug/l	98
8) Diethyl Ether	2.148	74	48319	20.277	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	82864	20.350	ug/l	100
10) Methyl Iodide	2.465	142	70850	17.073	ug/l	98
11) Tert butyl alcohol	2.959	59	48048	96.502	ug/l	98
12) 1,1-Dichloroethene	2.337	96	81489	20.206	ug/l	96
13) Acrolein	2.245	56	83483	96.989	ug/l	97
14) Allyl chloride	2.678	41	149196	20.465	ug/l	99
15) Acrylonitrile	3.074	53	203243	106.603	ug/l	100
16) Acetone	2.385	43	157932	98.619	ug/l	97
17) Carbon Disulfide	2.526	76	234036	20.059	ug/l	99
18) Methyl Acetate	2.715	43	81624	19.180	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	251581	20.497	ug/l	99
20) Methylene Chloride	2.806	84	90849	20.621	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	85583	20.738	ug/l	97
22) Diisopropyl ether	3.769	45	293875	20.967	ug/l	91
23) Vinyl Acetate	3.733	43	1192633	106.090	ug/l	99
24) 1,1-Dichloroethane	3.623	63	159828	20.507	ug/l	99
25) 2-Butanone	4.568	43	238246	102.172	ug/l	97
26) 2,2-Dichloropropane	4.495	77	119113	19.743	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	99794	20.420	ug/l	99
28) Bromochloromethane	4.909	49	72912	20.334	ug/l	97
29) Tetrahydrofuran	5.019	42	156819	104.232	ug/l	100
30) Chloroform	5.104	83	160698	20.255	ug/l	100
31) Cyclohexane	5.482	56	152430	20.397	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	141289	20.503	ug/l	100
36) 1,1-Dichloropropene	5.702	75	114925	20.062	ug/l	99
37) Ethyl Acetate	4.726	43	95455	18.907	ug/l	99
38) Carbon Tetrachloride	5.684	117	123204	20.150	ug/l	99
39) Methylcyclohexane	7.385	83	146762	20.519	ug/l	99
40) Benzene	6.049	78	342454	20.656	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	56166	20.350	ug/l		95
42) 1,2-Dichloroethane	6.098	62	121515	20.808	ug/l		98
43) Isopropyl Acetate	6.342	43	171186	20.802	ug/l		99
44) Trichloroethene	7.128	130	85446	20.099	ug/l		98
45) 1,2-Dichloropropane	7.433	63	85547	20.603	ug/l		94
46) Dibromomethane	7.586	93	59949	20.588	ug/l		99
47) Bromodichloromethane	7.824	83	126091	20.345	ug/l		99
48) Methyl methacrylate	7.695	41	86386	19.269	ug/l		97
49) 1,4-Dioxane	7.665	88	21524	422.133	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	511307	104.532	ug/l		99
52) Toluene	8.720	92	214955	21.087	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	118872	20.311	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	134587	21.011	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	81137	21.224	ug/l		98
56) Ethyl methacrylate	9.116	69	121053	21.389	ug/l		98
57) 1,3-Dichloropropane	9.311	76	139031	20.925	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	294878	93.631	ug/l		100
59) 2-Hexanone	9.427	43	352298	109.015	ug/l		97
60) Dibromochloromethane	9.518	129	93165	20.779	ug/l		100
61) 1,2-Dibromoethane	9.610	107	82035	20.522	ug/l		99
64) Tetrachloroethene	9.274	164	74177	21.147	ug/l		95
65) Chlorobenzene	10.079	112	238428	20.917	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	78682	20.502	ug/l		98
67) Ethyl Benzene	10.195	91	412412	20.693	ug/l		99
68) m/p-Xylenes	10.299	106	309353	41.478	ug/l		98
69) o-Xylene	10.640	106	149592	21.083	ug/l		100
70) Styrene	10.652	104	259267	21.310	ug/l		100
71) Bromoform	10.799	173	58699	20.135	ug/l	#	100
73) Isopropylbenzene	10.963	105	399077	21.021	ug/l		100
74) N-amyl acetate	10.841	43	155675	20.558	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	113741	20.975	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	92003m	20.656	ug/l		
77) Bromobenzene	11.195	156	95957	21.073	ug/l		97
78) n-propylbenzene	11.298	91	476196	20.991	ug/l		100
79) 2-Chlorotoluene	11.359	91	278615	20.545	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	330824	21.093	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	31878	18.440	ug/l		94
82) 4-Chlorotoluene	11.451	91	331629	20.951	ug/l		99
83) tert-Butylbenzene	11.713	119	323819	20.571	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	328672	21.010	ug/l		100
85) sec-Butylbenzene	11.890	105	410930	20.892	ug/l		99
86) p-Isopropyltoluene	12.006	119	343591	21.065	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	179867	20.789	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	183173	20.897	ug/l		98
89) n-Butylbenzene	12.329	91	319940	20.916	ug/l		98
90) Hexachloroethane	12.536	117	58057	19.896	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	169749	20.528	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21427	20.585	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	111525	20.413	ug/l		99
94) Hexachlorobutadiene	13.719	225	39186	21.090	ug/l		96
95) Naphthalene	13.774	128	329630	20.581	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	107542	20.432	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

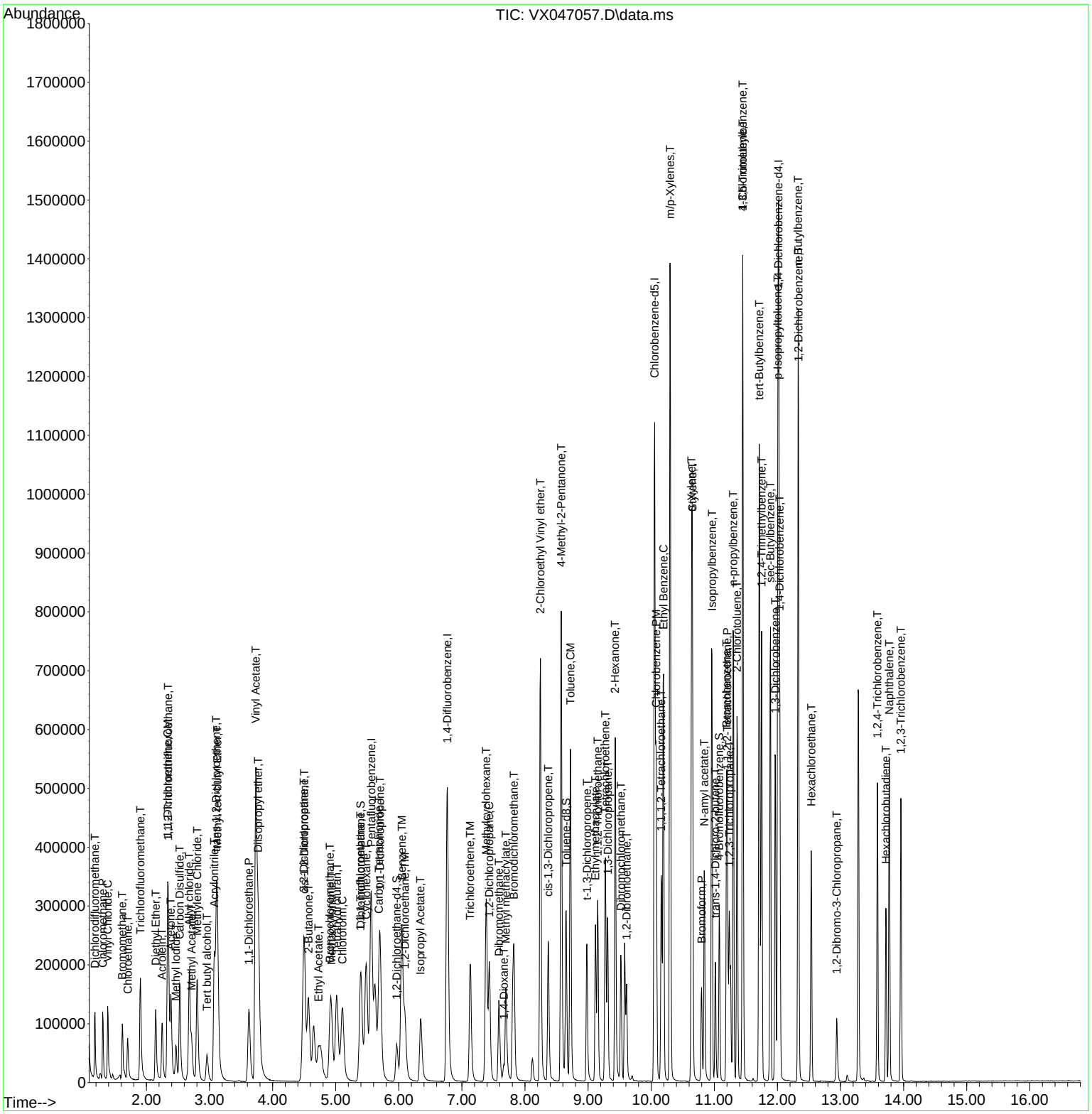
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047057.D
Acq On : 21 Jul 2025 10:29
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:37:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	309883	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	516282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	464565	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	223799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	178313	46.193	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 92.380%			
35) Dibromofluoromethane	5.397	113	152747	47.918	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.840%			
50) Toluene-d8	8.652	98	477108	46.217	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.440%			
62) 4-Bromofluorobenzene	11.079	95	211198	47.473	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	238090	57.844	ug/l	100
3) Chloromethane	1.306	50	216682	53.219	ug/l	100
4) Vinyl Chloride	1.386	62	241663	55.216	ug/l	100
5) Bromomethane	1.617	94	138734	58.354	ug/l	100
6) Chloroethane	1.703	64	145779	50.714	ug/l	100
7) Trichlorofluoromethane	1.904	101	358904	54.994	ug/l	100
8) Diethyl Ether	2.148	74	120887	52.535	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	209152	53.194	ug/l	100
10) Methyl Iodide	2.471	142	225356	56.237	ug/l	100
11) Tert butyl alcohol	2.958	59	113517	251.629	ug/l	100
12) 1,1-Dichloroethene	2.337	96	208894	53.640	ug/l	100
13) Acrolein	2.251	56	214749	258.372	ug/l	100
14) Allyl chloride	2.678	41	383854	54.528	ug/l	100
15) Acrylonitrile	3.074	53	510056	277.051	ug/l	100
16) Acetone	2.385	43	390060	252.239	ug/l	100
17) Carbon Disulfide	2.532	76	600045	53.261	ug/l	100
18) Methyl Acetate	2.715	43	213070	51.848	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	636699	53.721	ug/l	100
20) Methylene Chloride	2.806	84	223713	52.585	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	215393	54.049	ug/l	100
22) Diisopropyl ether	3.769	45	731970	54.083	ug/l	100
23) Vinyl Acetate	3.733	43	3005277	276.847	ug/l	100
24) 1,1-Dichloroethane	3.623	63	402810	53.522	ug/l	100
25) 2-Butanone	4.562	43	605614	268.961	ug/l	100
26) 2,2-Dichloropropane	4.489	77	303417	52.081	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	250112	53.001	ug/l	100
28) Bromochloromethane	4.909	49	188828	54.536	ug/l	100
29) Tetrahydrofuran	5.013	42	397391	273.532	ug/l	100
30) Chloroform	5.104	83	399454	52.141	ug/l	100
31) Cyclohexane	5.482	56	376396	52.159	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	349090	52.462	ug/l	100
36) 1,1-Dichloropropene	5.702	75	282151	51.926	ug/l	100
37) Ethyl Acetate	4.720	43	263866	55.103	ug/l	100
38) Carbon Tetrachloride	5.690	117	306989	52.934	ug/l	100
39) Methylcyclohexane	7.384	83	360702	53.168	ug/l	100
40) Benzene	6.043	78	851995	54.180	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.928	41	150516	57.494	ug/l	100
42) 1,2-Dichloroethane	6.098	62	297385	53.686	ug/l	100
43) Isopropyl Acetate	6.348	43	438617	56.192	ug/l	100
44) Trichloroethene	7.128	130	216747	53.751	ug/l	100
45) 1,2-Dichloropropane	7.433	63	210862	53.539	ug/l	100
46) Dibromomethane	7.586	93	151672	54.916	ug/l	100
47) Bromodichloromethane	7.823	83	318771	54.225	ug/l	100
48) Methyl methacrylate	7.695	41	227033	53.391	ug/l	100
49) 1,4-Dioxane	7.659	88	53924	1114.967	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	1282299	276.384	ug/l	100
52) Toluene	8.720	92	524916	54.288	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	305568	55.044	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	337057	55.475	ug/l	100
55) 1,1,2-Trichloroethane	9.152	97	194314	53.587	ug/l	100
56) Ethyl methacrylate	9.116	69	307494	57.281	ug/l	100
57) 1,3-Dichloropropane	9.305	76	337106	53.491	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	833190	278.917	ug/l	100
59) 2-Hexanone	9.427	43	886635	289.252	ug/l	100
60) Dibromochloromethane	9.518	129	229147	53.881	ug/l	100
61) 1,2-Dibromoethane	9.610	107	204078	53.823	ug/l	100
64) Tetrachloroethene	9.274	164	174727	52.173	ug/l	100
65) Chlorobenzene	10.079	112	571696	52.530	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	194777	53.158	ug/l	100
67) Ethyl Benzene	10.195	91	1023986	53.812	ug/l	100
68) m/p-Xylenes	10.299	106	759689	106.683	ug/l	100
69) o-Xylene	10.640	106	364689	53.834	ug/l	100
70) Styrene	10.652	104	632474	54.447	ug/l	100
71) Bromoform	10.798	173	150938	54.228	ug/l	100
73) Isopropylbenzene	10.963	105	964411	54.621	ug/l	100
74) N-amyl acetate	10.841	43	399297	56.697	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	270685	53.670	ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	221713m	53.523	ug/l	
77) Bromobenzene	11.195	156	227531	53.727	ug/l	100
78) n-propylbenzene	11.304	91	1145472	54.290	ug/l	100
79) 2-Chlorotoluene	11.359	91	677779	53.739	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	788518	54.057	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	87538	54.445	ug/l	100
82) 4-Chlorotoluene	11.451	91	798628	54.249	ug/l	100
83) tert-Butylbenzene	11.713	119	802592	54.819	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	800479	55.018	ug/l	100
85) sec-Butylbenzene	11.890	105	984328	53.809	ug/l	100
86) p-Isopropyltoluene	12.006	119	829044	54.651	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	427108	53.079	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	423743	51.978	ug/l	100
89) n-Butylbenzene	12.329	91	773506	54.372	ug/l	100
90) Hexachloroethane	12.536	117	146577	54.011	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	408192	53.076	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	53563	55.328	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	274012	53.926	ug/l	100
94) Hexachlorobutadiene	13.725	225	90816	52.553	ug/l	100
95) Naphthalene	13.774	128	839990	56.390	ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	262282	53.580	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

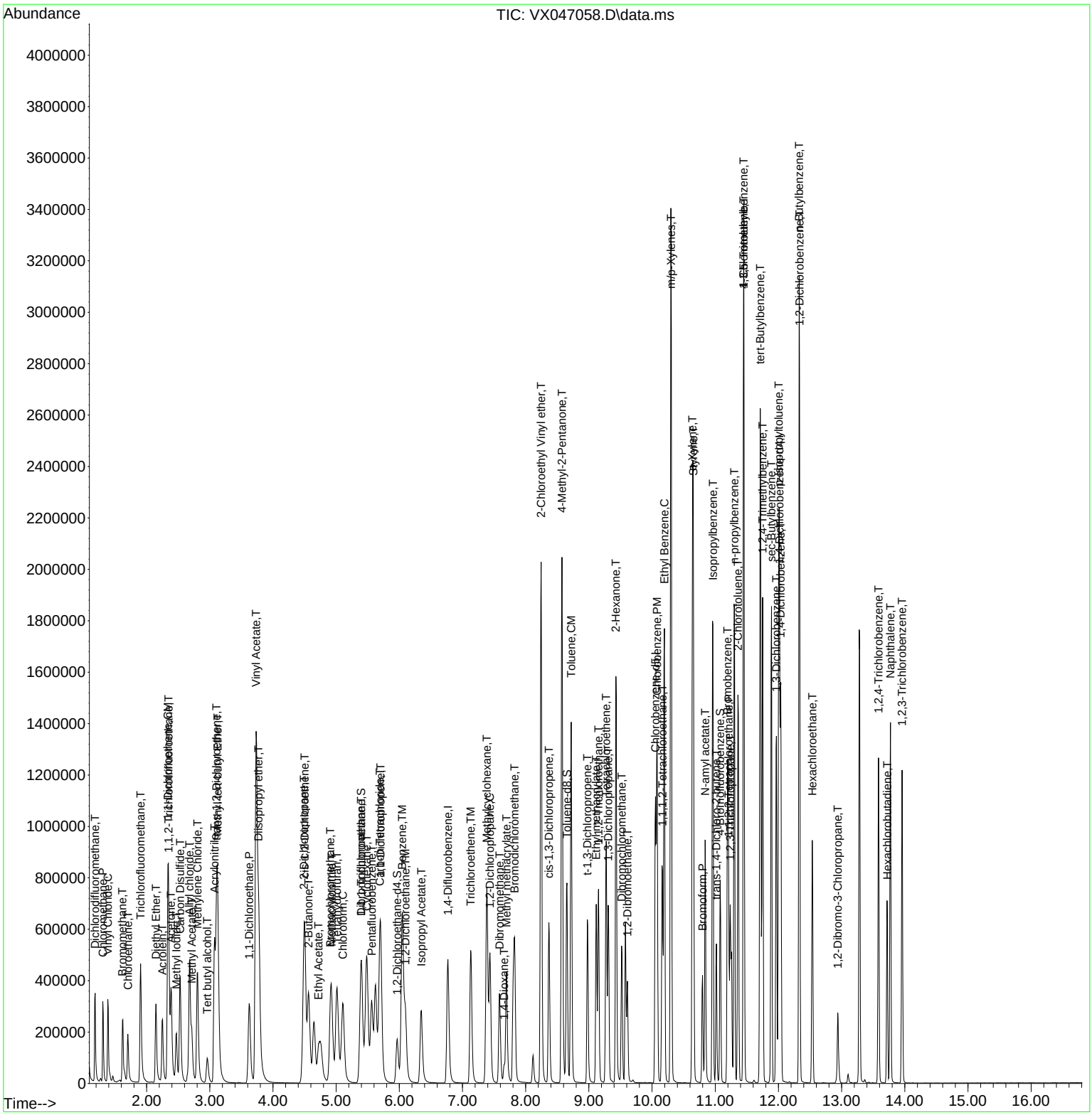
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	293211	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	502636	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	443709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210644	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	358189	98.067	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 196.140%#			
35) Dibromofluoromethane	5.397	113	304077	97.981	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 195.960%#			
50) Toluene-d8	8.653	98	951189	94.642	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 189.280%#			
62) 4-Bromofluorobenzene	11.079	95	418790	96.692	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 193.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	422702	108.536	ug/l	98
3) Chloromethane	1.307	50	390958	101.483	ug/l	99
4) Vinyl Chloride	1.386	62	420036	101.428	ug/l	98
5) Bromomethane	1.611	94	207177	92.097	ug/l	96
6) Chloroethane	1.697	64	248151	91.235	ug/l	98
7) Trichlorofluoromethane	1.898	101	618083	100.093	ug/l	99
8) Diethyl Ether	2.148	74	214962	98.730	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	367465	98.771	ug/l	100
10) Methyl Iodide	2.465	142	421251	111.100	ug/l	99
11) Tert butyl alcohol	2.965	59	207609	496.373	ug/l	98
12) 1,1-Dichloroethene	2.337	96	365672	99.237	ug/l	96
13) Acrolein	2.245	56	390297	496.280	ug/l	99
14) Allyl chloride	2.678	41	668038	100.294	ug/l	99
15) Acrylonitrile	3.075	53	895719	514.199	ug/l	99
16) Acetone	2.386	43	680698	465.214	ug/l	99
17) Carbon Disulfide	2.526	76	1045599	98.086	ug/l	100
18) Methyl Acetate	2.715	43	381521	98.118	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1109184	98.907	ug/l	100
20) Methylene Chloride	2.806	84	382904	95.122	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	370810	98.339	ug/l	97
22) Diisopropyl ether	3.770	45	1246566	97.342	ug/l	99
23) Vinyl Acetate	3.733	43	5255654	511.682	ug/l	100
24) 1,1-Dichloroethane	3.623	63	690059	96.903	ug/l	99
25) 2-Butanone	4.562	43	1064894	499.825	ug/l	99
26) 2,2-Dichloropropane	4.489	77	534633	96.986	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	433236	97.026	ug/l	99
28) Bromochloromethane	4.910	49	327531	99.974	ug/l	100
29) Tetrahydrofuran	5.013	42	696538	506.702	ug/l	99
30) Chloroform	5.105	83	688904	95.036	ug/l	98
31) Cyclohexane	5.483	56	644257	94.354	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	610295	96.931	ug/l	99
36) 1,1-Dichloropropene	5.702	75	486962	92.052	ug/l	99
37) Ethyl Acetate	4.721	43	464215	99.573	ug/l	99
38) Carbon Tetrachloride	5.690	117	534117	94.597	ug/l	99
39) Methylcyclohexane	7.385	83	643495	97.426	ug/l	98
40) Benzene	6.050	78	1458721	95.282	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	266722	104.648	ug/l		99
42) 1,2-Dichloroethane	6.092	62	514986	95.493	ug/l		99
43) Isopropyl Acetate	6.342	43	782743	103.002	ug/l		99
44) Trichloroethene	7.129	130	372515	94.887	ug/l		99
45) 1,2-Dichloropropane	7.434	63	364769	95.131	ug/l		97
46) Dibromomethane	7.586	93	262070	97.464	ug/l		100
47) Bromodichloromethane	7.824	83	545715	95.349	ug/l		98
48) Methyl methacrylate	7.696	41	406578	98.210	ug/l		100
49) 1,4-Dioxane	7.659	88	97685	2074.633	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	2213299	490.000	ug/l		100
52) Toluene	8.720	92	900379	95.648	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	550435	101.846	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	595662	100.700	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	333552	94.482	ug/l		99
56) Ethyl methacrylate	9.116	69	546929	104.649	ug/l		99
57) 1,3-Dichloropropane	9.311	76	579525	94.454	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	1489901	512.296	ug/l		100
59) 2-Hexanone	9.433	43	1534390	514.162	ug/l		99
60) Dibromochloromethane	9.519	129	400453	96.718	ug/l		100
61) 1,2-Dibromoethane	9.610	107	350348	94.909	ug/l		99
64) Tetrachloroethene	9.275	164	299042	93.490	ug/l		96
65) Chlorobenzene	10.079	112	988883	95.134	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	338141	96.621	ug/l		99
67) Ethyl Benzene	10.195	91	1752485	96.425	ug/l		99
68) m/p-Xylenes	10.299	106	1302405	191.494	ug/l		99
69) o-Xylene	10.640	106	624795	96.565	ug/l		99
70) Styrene	10.652	104	1072801	96.694	ug/l		100
71) Bromoform	10.799	173	259124	97.473	ug/l	#	99
73) Isopropylbenzene	10.963	105	1645804	99.034	ug/l		100
74) N-amyl acetate	10.841	43	698465	105.369	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	457057	96.283	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	380871m	97.686	ug/l		
77) Bromobenzene	11.195	156	389788	97.789	ug/l		99
78) n-propylbenzene	11.305	91	1945548	97.969	ug/l		99
79) 2-Chlorotoluene	11.366	91	1150165	96.889	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	1340151	97.612	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	158030	104.426	ug/l		97
82) 4-Chlorotoluene	11.451	91	1340796	96.766	ug/l		99
83) tert-Butylbenzene	11.713	119	1347206	97.765	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	1346982	98.362	ug/l		99
85) sec-Butylbenzene	11.890	105	1682208	97.702	ug/l		100
86) p-Isopropyltoluene	12.006	119	1404678	98.379	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	717851	94.782	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	726014	94.617	ug/l		98
89) n-Butylbenzene	12.329	91	1323274	98.826	ug/l		100
90) Hexachloroethane	12.536	117	260929	102.152	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	684462	94.557	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	97209	106.683	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	481866	100.755	ug/l		100
94) Hexachlorobutadiene	13.725	225	165153	101.539	ug/l		98
95) Naphthalene	13.774	128	1474039	105.135	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	464244	100.760	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

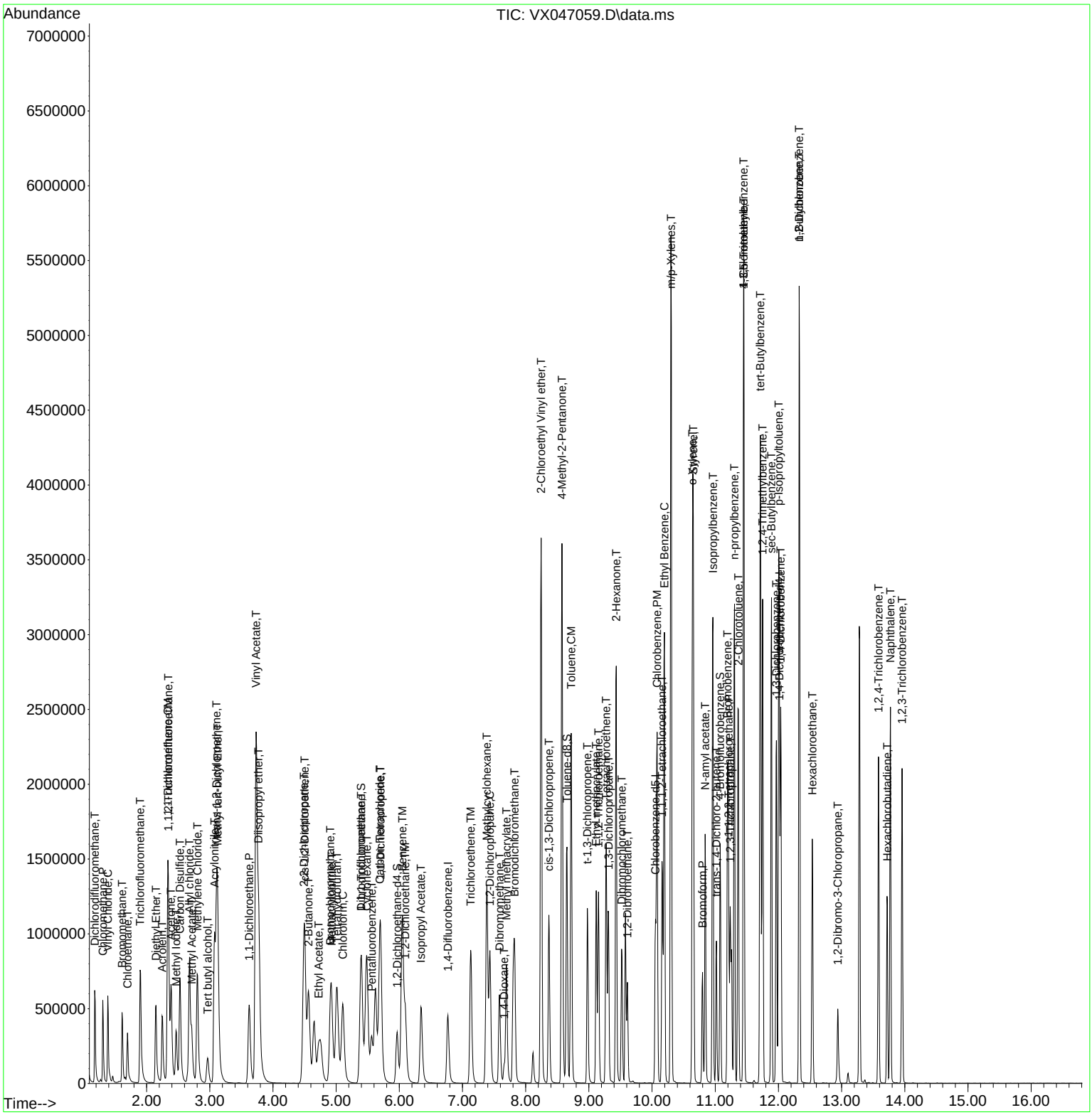
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 22 03:39:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	5.562	168	281238	50.000 ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	475828	50.000 ug/l	0.00
63) Chlorobenzene-d5	10.055	117	420817	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196123	50.000 ug/l	# 0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	5.964	65	547497	156.279 ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 312.560%#		
35) Dibromofluoromethane	5.397	113	468188	159.361 ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 318.720%#		
50) Toluene-d8	8.653	98	1448057	152.197 ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 304.400%#		
62) 4-Bromofluorobenzene	11.079	95	635473	154.987 ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 309.980%#		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.179	85	614977	164.628 ug/l	99
3) Chloromethane	1.307	50	591309	160.024 ug/l	98
4) Vinyl Chloride	1.386	62	609982	153.566 ug/l	100
5) Bromomethane	1.612	94	260740	120.842 ug/l	96
6) Chloroethane	1.691	64	357637	137.087 ug/l	99
7) Trichlorofluoromethane	1.898	101	903925	152.614 ug/l	99
8) Diethyl Ether	2.148	74	312592	149.683 ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	532594	149.251 ug/l	99
10) Methyl Iodide	2.465	142	640817	176.203 ug/l	99
11) Tert butyl alcohol	2.971	59	299604	752.233 ug/l	97
12) 1,1-Dichloroethene	2.331	96	527730	149.314 ug/l	98
13) Acrolein	2.246	56	563218	746.645 ug/l	99
14) Allyl chloride	2.678	41	964459	150.960 ug/l	99
15) Acrylonitrile	3.075	53	1274179	762.599 ug/l	99
16) Acetone	2.392	43	975640	695.175 ug/l	100
17) Carbon Disulfide	2.526	76	1523226	148.974 ug/l	99
18) Methyl Acetate	2.715	43	558406	149.722 ug/l	99
19) Methyl tert-butyl Ether	3.123	73	1616941	150.323 ug/l	99
20) Methylene Chloride	2.800	84	548865	142.156 ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	533003	147.371 ug/l	97
22) Diisopropyl ether	3.770	45	1792018	145.892 ug/l	97
23) Vinyl Acetate	3.733	43	7515505	762.847 ug/l	99
24) 1,1-Dichloroethane	3.623	63	1006940	147.421 ug/l	99
25) 2-Butanone	4.562	43	1525049	746.280 ug/l	98
26) 2,2-Dichloropropane	4.489	77	790347	149.478 ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	627302	146.469 ug/l	99
28) Bromochloromethane	4.910	49	464333	147.764 ug/l	100
29) Tetrahydrofuran	5.013	42	995703	755.168 ug/l	99
30) Chloroform	5.105	83	982491	141.308 ug/l	97
31) Cyclohexane	5.483	56	928560	141.781 ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	892102	147.721 ug/l	98
36) 1,1-Dichloropropene	5.702	75	707227	141.221 ug/l	99
37) Ethyl Acetate	4.721	43	664604	150.587 ug/l	99
38) Carbon Tetrachloride	5.690	117	771081	144.260 ug/l	99
39) Methylcyclohexane	7.385	83	932504	149.137 ug/l	98
40) Benzene	6.044	78	2112753	145.777 ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	373711	154.886	ug/l		98
42) 1,2-Dichloroethane	6.092	62	737991	144.555	ug/l		99
43) Isopropyl Acetate	6.342	43	1145157	159.182	ug/l		99
44) Trichloroethene	7.129	130	547123	147.215	ug/l		97
45) 1,2-Dichloropropane	7.434	63	529204	145.791	ug/l		97
46) Dibromomethane	7.586	93	381666	149.938	ug/l		99
47) Bromodichloromethane	7.824	83	794793	146.693	ug/l		99
48) Methyl methacrylate	7.696	41	589190	150.339	ug/l		99
49) 1,4-Dioxane	7.665	88	141473	3173.881	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	3143746	735.203	ug/l		100
52) Toluene	8.720	92	1298426	145.703	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	802670	156.884	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	876033	156.442	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	478247	143.101	ug/l		99
56) Ethyl methacrylate	9.116	69	791875	160.053	ug/l		99
57) 1,3-Dichloropropane	9.305	76	823631	141.802	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	2120903	770.350	ug/l		99
59) 2-Hexanone	9.433	43	2172764	769.096	ug/l		99
60) Dibromochloromethane	9.519	129	583183	148.786	ug/l		99
61) 1,2-Dibromoethane	9.610	107	500995	143.366	ug/l		99
64) Tetrachloroethene	9.275	164	433805	142.999	ug/l		98
65) Chlorobenzene	10.079	112	1432482	145.306	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	495347	149.242	ug/l		98
67) Ethyl Benzene	10.195	91	2508990	145.559	ug/l		100
68) m/p-Xylenes	10.299	106	1848008	286.495	ug/l		98
69) o-Xylene	10.640	106	897705	146.292	ug/l		100
70) Styrene	10.653	104	1538516	146.214	ug/l		99
71) Bromoform	10.799	173	377881	149.877	ug/l	#	100
73) Isopropylbenzene	10.963	105	2341028	151.299	ug/l		99
74) N-amyl acetate	10.842	43	1017450	164.856	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	649081	146.858	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	542883m	149.549	ug/l		
77) Bromobenzene	11.195	156	555966	149.806	ug/l		99
78) n-propylbenzene	11.305	91	2790577	150.924	ug/l		99
79) 2-Chlorotoluene	11.366	91	1641174	148.487	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	1921023	150.280	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	234105	166.150	ug/l		95
82) 4-Chlorotoluene	11.451	91	1901346	147.381	ug/l		99
83) tert-Butylbenzene	11.713	119	1941048	151.288	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	1923088	150.829	ug/l		100
85) sec-Butylbenzene	11.890	105	2386553	148.873	ug/l		100
86) p-Isopropyltoluene	12.006	119	2001346	150.546	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	1044993	148.192	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	1039670	145.525	ug/l		98
89) n-Butylbenzene	12.329	91	1874924	150.392	ug/l		99
90) Hexachloroethane	12.536	117	376780	158.429	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	994860	147.614	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	142395	167.843	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	691853	155.373	ug/l		100
94) Hexachlorobutadiene	13.725	225	224504	148.249	ug/l		97
95) Naphthalene	13.774	128	2171681	166.363	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	662501	154.436	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

ICAL Form

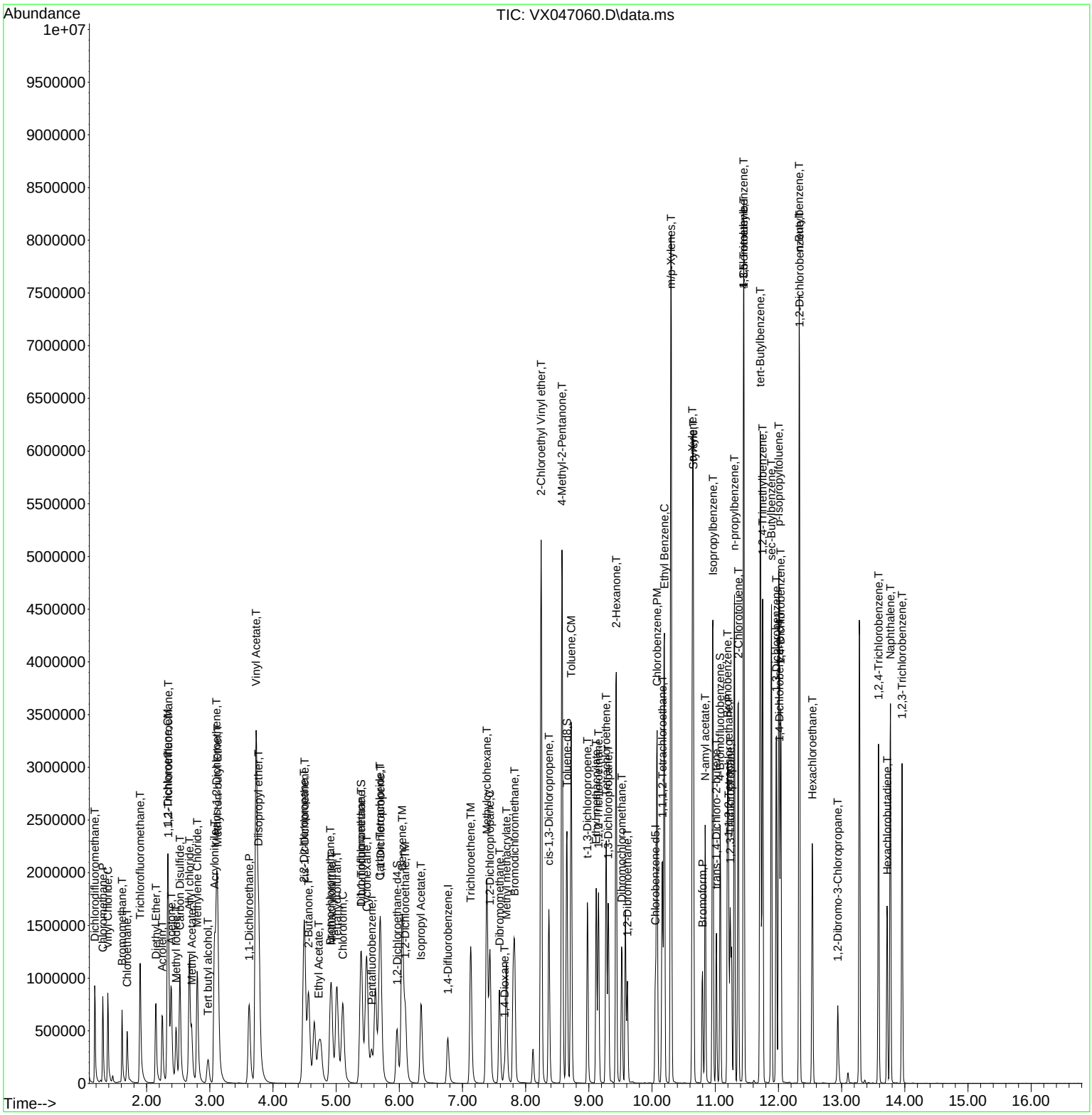
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.550	168	353932	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	594788	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	516907	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	245093	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	176451	40.022	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	80.040%		
35) Dibromofluoromethane	5.385	113	155150	42.247	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	84.500%		
50) Toluene-d8	8.647	98	476939	40.102	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	80.200%#		
62) 4-Bromofluorobenzene	11.079	95	209003	40.779	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	81.560%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	240944	51.252	ug/l	99
3) Chloromethane	1.307	50	220344	47.383	ug/l	100
4) Vinyl Chloride	1.386	62	244133	48.838	ug/l	100
5) Bromomethane	1.618	94	153243	56.435	ug/l	97
6) Chloroethane	1.703	64	146679	44.676	ug/l	96
7) Trichlorofluoromethane	1.904	101	354446	47.552	ug/l	96
8) Diethyl Ether	2.142	74	122150	46.477	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	211536	47.104	ug/l	99
10) Methyl Iodide	2.465	142	206176	45.047	ug/l	97
11) Tert butyl alcohol	2.953	59	107694	207.194	ug/l	99
12) 1,1-Dichloroethene	2.331	96	207074	46.555	ug/l	98
13) Acrolein	2.245	56	197909	208.477	ug/l	99
14) Allyl chloride	2.678	41	375824	46.743	ug/l	99
15) Acrylonitrile	3.069	53	485401	230.845	ug/l	100
16) Acetone	2.386	43	407681	230.823	ug/l	95
17) Carbon Disulfide	2.526	76	588590	45.742	ug/l	99
18) Methyl Acetate	2.709	43	206733	44.045	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	613097	45.291	ug/l	98
20) Methylene Chloride	2.800	84	218853	45.041	ug/l	98
21) trans-1,2-Dichloroethene	3.099	96	210229	46.188	ug/l	98
22) Diisopropyl ether	3.764	45	712919	46.119	ug/l	96
23) Vinyl Acetate	3.727	43	2900485	233.940	ug/l	100
24) 1,1-Dichloroethane	3.617	63	388232	45.165	ug/l	100
25) 2-Butanone	4.556	43	562934	218.892	ug/l	100
26) 2,2-Dichloropropane	4.483	77	308018	46.290	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	242036	44.906	ug/l	99
28) Bromochloromethane	4.904	49	186533	47.168	ug/l	100
29) Tetrahydrofuran	5.001	42	360837	217.460	ug/l	99
30) Chloroform	5.093	83	382651	43.731	ug/l	100
31) Cyclohexane	5.477	56	359502	43.618	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	336918	44.331	ug/l	99
36) 1,1-Dichloropropene	5.696	75	272074	43.463	ug/l	99
37) Ethyl Acetate	4.715	43	244468	42.381	ug/l	99
38) Carbon Tetrachloride	5.678	117	295708	44.259	ug/l	98
39) Methylcyclohexane	7.379	83	344962	44.136	ug/l	99
40) Benzene	6.038	78	802625	44.304	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	138183	45.816	ug/l	97
42) 1,2-Dichloroethane	6.086	62	283205	44.378	ug/l	99
43) Isopropyl Acetate	6.336	43	409733	45.564	ug/l	99
44) Trichloroethene	7.123	130	202817	43.658	ug/l	98
45) 1,2-Dichloropropane	7.428	63	200065	44.093	ug/l	98
46) Dibromomethane	7.580	93	143569	45.121	ug/l	99
47) Bromodichloromethane	7.818	83	301133	44.463	ug/l	99
48) Methyl methacrylate	7.690	41	208228	42.505	ug/l	99
49) 1,4-Dioxane	7.653	88	51080m	916.760	ug/l	
51) 4-Methyl-2-Pentanone	8.568	43	1164013	217.774	ug/l	100
52) Toluene	8.714	92	498799	44.778	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	290633	45.444	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	322967	46.140	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	180762	43.270	ug/l	99
56) Ethyl methacrylate	9.116	69	286552	46.334	ug/l	100
57) 1,3-Dichloropropane	9.305	76	314736	43.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	774980	225.188	ug/l	100
59) 2-Hexanone	9.427	43	807822	228.755	ug/l	100
60) Dibromochloromethane	9.519	129	216749	44.239	ug/l	100
61) 1,2-Dibromoethane	9.604	107	188713	43.202	ug/l	99
64) Tetrachloroethene	9.269	164	164447	44.131	ug/l	96
65) Chlorobenzene	10.073	112	536664	44.318	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	181544	44.529	ug/l	99
67) Ethyl Benzene	10.189	91	952288	44.977	ug/l	100
68) m/p-Xylenes	10.299	106	709639	89.564	ug/l	100
69) o-Xylene	10.640	106	341662	45.328	ug/l	99
70) Styrene	10.653	104	589610	45.618	ug/l	100
71) Bromoform	10.799	173	136594	44.106	ug/l	100
73) Isopropylbenzene	10.957	105	903154	46.708	ug/l	100
74) N-amyl acetate	10.842	43	360744	46.238	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	248756	45.037	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	209195m	46.113	ug/l	
77) Bromobenzene	11.195	156	215391	46.441	ug/l	98
78) n-propylbenzene	11.299	91	1081658	46.812	ug/l	100
79) 2-Chlorotoluene	11.360	91	631252	45.702	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	737827	46.187	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	79906	45.380	ug/l	97
82) 4-Chlorotoluene	11.451	91	749299	46.476	ug/l	99
83) tert-Butylbenzene	11.713	119	752650	46.942	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	744757	46.741	ug/l	99
85) sec-Butylbenzene	11.890	105	934198	46.632	ug/l	99
86) p-Isopropyltoluene	12.006	119	773508	46.560	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	400520	45.450	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	398497	44.634	ug/l	98
89) n-Butylbenzene	12.329	91	735386	47.201	ug/l	99
90) Hexachloroethane	12.536	117	138697	46.667	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	373286	44.320	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47608	44.904	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	261487	46.990	ug/l	99
94) Hexachlorobutadiene	13.725	225	86113	45.502	ug/l	99
95) Naphthalene	13.774	128	755367	46.304	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	241137	44.980	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
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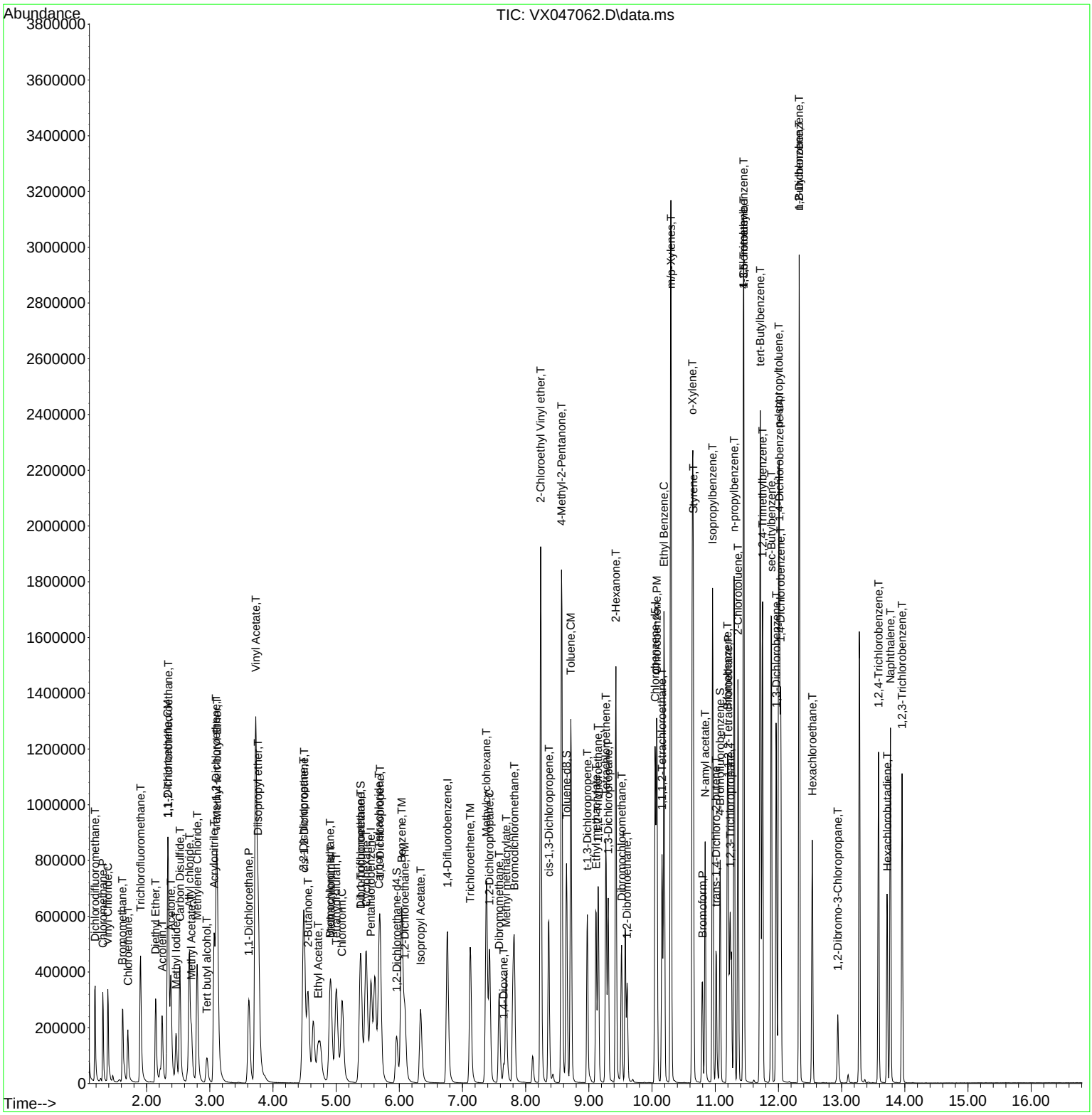


Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	114	-0.01
2	T	Dichlorodifluoromethane	50.000	51.252	-2.5	101	0.00
3	P	Chloromethane	50.000	47.383	5.2	102	0.00
4	C	Vinyl Chloride	50.000	48.838	2.3#	101	0.00
5	T	Bromomethane	50.000	56.435	-12.9	110	0.00
6	T	Chloroethane	50.000	44.676	10.6	101	0.00
7	T	Trichlorofluoromethane	50.000	47.552	4.9	99	0.00
8	T	Diethyl Ether	50.000	46.477	7.0	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.104	5.8	101	0.00
10	T	Methyl Iodide	50.000	45.047	9.9	91	0.00
11	T	Tert butyl alcohol	250.000	207.194	17.1	95	0.00
12	CM	1,1-Dichloroethene	50.000	46.555	6.9#	99	0.00
13	T	Acrolein	250.000	208.477	16.6	92	0.00
14	T	Allyl chloride	50.000	46.743	6.5	98	0.00
15	T	Acrylonitrile	250.000	230.845	7.7	95	0.00
16	T	Acetone	250.000	230.823	7.7	105	0.00
17	T	Carbon Disulfide	50.000	45.742	8.5	98	0.00
18	T	Methyl Acetate	50.000	44.045	11.9	97	0.00
19	T	Methyl tert-butyl Ether	50.000	45.291	9.4	96	0.00
20	T	Methylene Chloride	50.000	45.041	9.9	98	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.188	7.6	98	0.00
22	T	Diisopropyl ether	50.000	46.119	7.8	97	0.00
23	T	Vinyl Acetate	250.000	233.940	6.4	97	0.00
24	P	1,1-Dichloroethane	50.000	45.165	9.7	96	0.00
25	T	2-Butanone	250.000	218.892	12.4	93	0.00
26	T	2,2-Dichloropropane	50.000	46.290	7.4	102	0.00
27	T	cis-1,2-Dichloroethene	50.000	44.906	10.2	97	0.00
28	T	Bromochloromethane	50.000	47.168	5.7	99	0.00
29	T	Tetrahydrofuran	250.000	217.460	13.0	91	-0.01
30	C	Chloroform	50.000	43.731	12.5#	96	-0.01
31	T	Cyclohexane	50.000	43.618	12.8	96	0.00
32	T	1,1,1-Trichloroethane	50.000	44.331	11.3	97	-0.01
33	S	1,2-Dichloroethane-d4	50.000	40.022	20.0	99	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	115	0.00
35	S	Dibromofluoromethane	50.000	42.247	15.5	102	-0.01
36	T	1,1-Dichloropropene	50.000	43.463	13.1	96	0.00
37	T	Ethyl Acetate	50.000	42.381	15.2	93	0.00
38	T	Carbon Tetrachloride	50.000	44.259	11.5	96	-0.01
39	T	Methylcyclohexane	50.000	44.136	11.7	96	0.00
40	TM	Benzene	50.000	44.304	11.4	94	0.00
41	T	Methacrylonitrile	50.000	45.816	8.4	92	-0.01
42	TM	1,2-Dichloroethane	50.000	44.378	11.2	95	-0.01
43	T	Isopropyl Acetate	50.000	45.564	8.9	93	-0.01
44	TM	Trichloroethene	50.000	43.658	12.7	94	0.00
45	C	1,2-Dichloropropane	50.000	44.093	11.8#	95	0.00
46	T	Dibromomethane	50.000	45.121	9.8	95	0.00
47	T	Bromodichloromethane	50.000	44.463	11.1	94	0.00
48	T	Methyl methacrylate	50.000	42.505	15.0	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	916.760	8.3	95	0.00
50	S	Toluene-d8	50.000	40.102	19.8	100	0.00
51	T	4-Methyl-2-Pentanone	250.000	217.774	12.9	91	0.00
52	CM	Toluene	50.000	44.778	10.4#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	45.444	9.1	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.140	7.7	96	0.00
55	T	1,1,2-Trichloroethane	50.000	43.270	13.5	93	0.00
56	T	Ethyl methacrylate	50.000	46.334	7.3	93	0.00
57	T	1,3-Dichloropropane	50.000	43.350	13.3	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	225.188	9.9	93	0.00
59	T	2-Hexanone	250.000	228.755	8.5	91	0.00
60	T	Dibromochloromethane	50.000	44.239	11.5	95	0.00
61	T	1,2-Dibromoethane	50.000	43.202	13.6	92	0.00
62	S	4-Bromofluorobenzene	50.000	40.779	18.4	99	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	111	0.00
64	T	Tetrachloroethene	50.000	44.131	11.7	94	0.00
65	PM	Chlorobenzene	50.000	44.318	11.4	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	44.529	10.9	93	0.00
67	C	Ethyl Benzene	50.000	44.977	10.0#	93	0.00
68	T	m/p-Xylenes	100.000	89.564	10.4	93	0.00
69	T	o-Xylene	50.000	45.328	9.3	94	0.00
70	T	Styrene	50.000	45.618	8.8	93	0.00
71	P	Bromoform	50.000	44.106	11.8	90	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	110	0.00
73	T	Isopropylbenzene	50.000	46.708	6.6	94	0.00
74	T	N-amyl acetate	50.000	46.238	7.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.037	9.9	92	0.00
76	T	1,2,3-Trichloropropane	50.000	46.113	7.8	94	0.00
77	T	Bromobenzene	50.000	46.441	7.1	95	0.00
78	T	n-propylbenzene	50.000	46.812	6.4	94	0.00
79	T	2-Chlorotoluene	50.000	45.702	8.6	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.187	7.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.380	9.2	91	0.00
82	T	4-Chlorotoluene	50.000	46.476	7.0	94	0.00
83	T	tert-Butylbenzene	50.000	46.942	6.1	94	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.741	6.5	93	0.00
85	T	sec-Butylbenzene	50.000	46.632	6.7	95	0.00
86	T	p-Isopropyltoluene	50.000	46.560	6.9	93	0.00
87	T	1,3-Dichlorobenzene	50.000	45.450	9.1	94	0.00
88	T	1,4-Dichlorobenzene	50.000	44.634	10.7	94	0.00
89	T	n-Butylbenzene	50.000	47.201	5.6	95	0.00
90	T	Hexachloroethane	50.000	46.667	6.7	95	0.00
91	T	1,2-Dichlorobenzene	50.000	44.320	11.4	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	44.904	10.2	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.990	6.0	95	0.00
94	T	Hexachlorobutadiene	50.000	45.502	9.0	95	0.00
95	T	Naphthalene	50.000	46.304	7.4	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.980	10.0	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	114	-0.01
2	T	Dichlorodifluoromethane	0.664	0.681	-2.6	101	0.00
3	P	Chloromethane	0.657	0.623	5.2	102	0.00
4	C	Vinyl Chloride	0.706	0.690	2.3#	101	0.00
5	T	Bromomethane	0.384	0.433	-12.8	110	0.00
6	T	Chloroethane	0.464	0.414	10.8	101	0.00
7	T	Trichlorofluoromethane	1.053	1.001	4.9	99	0.00
8	T	Diethyl Ether	0.371	0.345	7.0	101	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.598	5.7	101	0.00
10	T	Methyl Iodide	0.647	0.583	9.9	91	0.00
11	T	Tert butyl alcohol	0.080	0.061	23.8	95	0.00
12	CM	1,1-Dichloroethene	0.628	0.585	6.8#	99	0.00
13	T	Acrolein	0.134	0.112	16.4	92	0.00
14	T	Allyl chloride	1.136	1.062	6.5	98	0.00
15	T	Acrylonitrile	0.297	0.274	7.7	95	0.00
16	T	Acetone	0.250	0.230	8.0	105	0.00
17	T	Carbon Disulfide	1.818	1.663	8.5	98	0.00
18	T	Methyl Acetate	0.663	0.584	11.9	97	0.00
19	T	Methyl tert-butyl Ether	1.912	1.732	9.4	96	0.00
20	T	Methylene Chloride	0.686	0.618	9.9	98	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.594	7.6	98	0.00
22	T	Diisopropyl ether	2.184	2.014	7.8	97	0.00
23	T	Vinyl Acetate	1.752	1.639	6.4	97	0.00
24	P	1,1-Dichloroethane	1.214	1.097	9.6	96	0.00
25	T	2-Butanone	0.363	0.318	12.4	93	0.00
26	T	2,2-Dichloropropane	0.940	0.870	7.4	102	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.684	10.1	97	0.00
28	T	Bromochloromethane	0.559	0.527	5.7	99	0.00
29	T	Tetrahydrofuran	0.234	0.204	12.8	91	-0.01
30	C	Chloroform	1.236	1.081	12.5#	96	-0.01
31	T	Cyclohexane	1.164	1.016	12.7	96	0.00
32	T	1,1,1-Trichloroethane	1.074	0.952	11.4	97	-0.01
33	S	1,2-Dichloroethane-d4	0.623	0.499	19.9	99	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	115	0.00
35	S	Dibromofluoromethane	0.309	0.261	15.5	102	-0.01
36	T	1,1-Dichloropropene	0.526	0.457	13.1	96	0.00
37	T	Ethyl Acetate	0.485	0.411	15.3	93	0.00
38	T	Carbon Tetrachloride	0.562	0.497	11.6	96	-0.01
39	T	Methylcyclohexane	0.657	0.580	11.7	96	0.00
40	TM	Benzene	1.523	1.349	11.4	94	0.00
41	T	Methacrylonitrile	0.254	0.232	8.7	92	-0.01
42	TM	1,2-Dichloroethane	0.536	0.476	11.2	95	-0.01
43	T	Isopropyl Acetate	0.756	0.689	8.9	93	-0.01
44	TM	Trichloroethene	0.391	0.341	12.8	94	0.00
45	C	1,2-Dichloropropane	0.381	0.336	11.8#	95	0.00
46	T	Dibromomethane	0.267	0.241	9.7	95	0.00
47	T	Bromodichloromethane	0.569	0.506	11.1	94	0.00
48	T	Methyl methacrylate	0.412	0.350	15.0	92	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.004	20.0	95	0.00
50	S	Toluene-d8	1.000	0.802	19.8	100	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.391	12.9	91	0.00
52	CM	Toluene	0.936	0.839	10.4#	95	0.00
53	T	t-1,3-Dichloropropene	0.538	0.489	9.1	95	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.543	7.7	96	0.00
55	T	1,1,2-Trichloroethane	0.351	0.304	13.4	93	0.00
56	T	Ethyl methacrylate	0.520	0.482	7.3	93	0.00
57	T	1,3-Dichloropropane	0.610	0.529	13.3	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.261	9.7	93	0.00
59	T	2-Hexanone	0.297	0.272	8.4	91	0.00
60	T	Dibromochloromethane	0.412	0.364	11.7	95	0.00
61	T	1,2-Dibromoethane	0.367	0.317	13.6	92	0.00
62	S	4-Bromofluorobenzene	0.431	0.351	18.6	99	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	111	0.00
64	T	Tetrachloroethene	0.360	0.318	11.7	94	0.00
65	PM	Chlorobenzene	1.171	1.038	11.4	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.351	10.9	93	0.00
67	C	Ethyl Benzene	2.048	1.842	10.1#	93	0.00
68	T	m/p-Xylenes	0.766	0.686	10.4	93	0.00
69	T	o-Xylene	0.729	0.661	9.3	94	0.00
70	T	Styrene	1.250	1.141	8.7	93	0.00
71	P	Bromoform	0.300	0.264	12.0	90	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	110	0.00
73	T	Isopropylbenzene	3.945	3.685	6.6	94	0.00
74	T	N-amyl acetate	1.592	1.472	7.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.015	9.9	92	0.00
76	T	1,2,3-Trichloropropane	0.925	0.854	7.7	94	0.00
77	T	Bromobenzene	0.946	0.879	7.1	95	0.00
78	T	n-propylbenzene	4.714	4.413	6.4	94	0.00
79	T	2-Chlorotoluene	2.818	2.576	8.6	93	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.010	7.6	94	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.326	9.2	91	0.00
82	T	4-Chlorotoluene	3.289	3.057	7.1	94	0.00
83	T	tert-Butylbenzene	3.271	3.071	6.1	94	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.039	6.5	93	0.00
85	T	sec-Butylbenzene	4.087	3.812	6.7	95	0.00
86	T	p-Isopropyltoluene	3.389	3.156	6.9	93	0.00
87	T	1,3-Dichlorobenzene	1.798	1.634	9.1	94	0.00
88	T	1,4-Dichlorobenzene	1.821	1.626	10.7	94	0.00
89	T	n-Butylbenzene	3.178	3.000	5.6	95	0.00
90	T	Hexachloroethane	0.606	0.566	6.6	95	0.00
91	T	1,2-Dichlorobenzene	1.718	1.523	11.4	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.194	10.2	89	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.067	6.0	95	0.00
94	T	Hexachlorobutadiene	0.386	0.351	9.1	95	0.00
95	T	Naphthalene	3.328	3.082	7.4	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Quant Time: Jul 22 04:01:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	0.984	10.1	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	ENVI60
Lab Code:	ACE	SDG No.:	Q2481
Instrument ID:	MSVOA_X	Calibration Date/Time:	07/23/2025 09:30
Lab File ID:	VX047077.D	Init. Calib. Date(s):	07/21/2025 07/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47 11:32

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.706	0.725		2.69	20
1,1-Dichloroethene	0.628	0.610		-2.87	20
2-Butanone	0.363	0.329		-9.37	20
Carbon Tetrachloride	0.562	0.508		-9.61	20
Chloroform	1.236	1.136		-8.09	20
Benzene	1.523	1.384		-9.13	20
1,2-Dichloroethane	0.536	0.496		-7.46	20
Trichloroethene	0.391	0.348		-11	20
Tetrachloroethene	0.360	0.323		-10.28	20
Chlorobenzene	1.171	1.072	0.3	-8.45	20
1,2-Dichloroethane-d4	0.623	0.586		-5.94	20
Dibromofluoromethane	0.309	0.304		-1.62	20
Toluene-d8	1.000	0.902		-9.8	20
4-Bromofluorobenzene	0.431	0.393		-8.82	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047077.D
Acq On : 23 Jul 2025 09:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 24 05:42:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	346372	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	582956	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	499261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	238699	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	203034	47.056	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 94.120%			
35) Dibromofluoromethane	5.391	113	177294	49.257	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.520%			
50) Toluene-d8	8.647	98	525666	45.097	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.200%#			
62) 4-Bromofluorobenzene	11.079	95	229331	45.654	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 91.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	250519	54.452	ug/l	100
3) Chloromethane	1.307	50	246942	54.262	ug/l	99
4) Vinyl Chloride	1.386	62	251264	51.362	ug/l	100
5) Bromomethane	1.618	94	190341	71.627	ug/l	99
6) Chloroethane	1.703	64	146754	45.675	ug/l	98
7) Trichlorofluoromethane	1.904	101	370828	50.835	ug/l	99
8) Diethyl Ether	2.148	74	124399	48.366	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	216478	49.257	ug/l	99
10) Methyl Iodide	2.465	142	173239	38.677	ug/l	99
11) Tert butyl alcohol	2.953	59	102565	201.345	ug/l	98
12) 1,1-Dichloroethene	2.331	96	211450	48.577	ug/l	99
13) Acrolein	2.246	56	262265	282.299	ug/l	99
14) Allyl chloride	2.678	41	389208	49.464	ug/l	99
15) Acrylonitrile	3.069	53	489993	238.115	ug/l	99
16) Acetone	2.386	43	436668	252.631	ug/l	98
17) Carbon Disulfide	2.526	76	604536	48.006	ug/l	98
18) Methyl Acetate	2.709	43	217073	47.258	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	614233	46.366	ug/l	98
20) Methylene Chloride	2.800	84	220624	46.396	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	213566	47.945	ug/l	97
22) Diisopropyl ether	3.764	45	724699	47.905	ug/l	97
23) Vinyl Acetate	3.727	43	2906353	239.529	ug/l	100
24) 1,1-Dichloroethane	3.617	63	395078	46.964	ug/l	99
25) 2-Butanone	4.556	43	569017	226.086	ug/l	100
26) 2,2-Dichloropropane	4.483	77	307948	47.290	ug/l	99
27) cis-1,2-Dichloroethene	4.489	96	242169	45.911	ug/l	99
28) Bromochloromethane	4.904	49	183838	47.501	ug/l	98
29) Tetrahydrofuran	5.007	42	362100	222.984	ug/l	100
30) Chloroform	5.099	83	393408	45.942	ug/l	99
31) Cyclohexane	5.477	56	361444	44.811	ug/l	98
32) 1,1,1-Trichloroethane	5.385	97	342829	46.093	ug/l	99
36) 1,1-Dichloropropene	5.696	75	274289	44.706	ug/l	99
37) Ethyl Acetate	4.715	43	238730	42.227	ug/l	99
38) Carbon Tetrachloride	5.684	117	296317	45.250	ug/l	97
39) Methylcyclohexane	7.385	83	345346	45.082	ug/l	97
40) Benzene	6.038	78	806602	45.427	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047077.D
Acq On : 23 Jul 2025 09:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 24 05:42:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	141525	47.877	ug/l	99
42) 1,2-Dichloroethane	6.092	62	289254	46.246	ug/l	99
43) Isopropyl Acetate	6.336	43	402770	45.698	ug/l	100
44) Trichloroethene	7.123	130	202725	44.524	ug/l	95
45) 1,2-Dichloropropane	7.428	63	200473	45.079	ug/l	96
46) Dibromomethane	7.580	93	143188	45.915	ug/l	99
47) Bromodichloromethane	7.818	83	303637	45.743	ug/l	100
48) Methyl methacrylate	7.690	41	207662	43.250	ug/l	99
49) 1,4-Dioxane	7.653	88	49153	900.080	ug/l	97
51) 4-Methyl-2-Pentanone	8.568	43	1147548	219.051	ug/l	99
52) Toluene	8.714	92	495325	45.369	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	288891	46.088	ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	321604	46.878	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	181804	44.403	ug/l	100
56) Ethyl methacrylate	9.116	69	280577	46.289	ug/l	99
57) 1,3-Dichloropropane	9.305	76	313438	44.047	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	778594	230.830	ug/l	99
59) 2-Hexanone	9.427	43	787041	227.394	ug/l	100
60) Dibromochloromethane	9.519	129	217168	45.224	ug/l	99
61) 1,2-Dibromoethane	9.604	107	185750	43.387	ug/l	99
64) Tetrachloroethene	9.269	164	161363	44.834	ug/l	96
65) Chlorobenzene	10.080	112	535156	45.755	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	180554	45.851	ug/l	99
67) Ethyl Benzene	10.189	91	951798	46.543	ug/l	99
68) m/p-Xylenes	10.299	106	707134	92.402	ug/l	99
69) o-Xylene	10.640	106	335945	46.145	ug/l	99
70) Styrene	10.653	104	580632	46.511	ug/l	100
71) Bromoform	10.799	173	137684	46.029	ug/l	99
73) Isopropylbenzene	10.957	105	896854	47.624	ug/l	100
74) N-amyl acetate	10.842	43	355916	46.841	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	243994	45.358	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	202360m	45.801	ug/l	
77) Bromobenzene	11.195	156	210321	46.563	ug/l	99
78) n-propylbenzene	11.299	91	1077294	47.872	ug/l	100
79) 2-Chlorotoluene	11.360	91	627741	46.665	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	735935	47.303	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	80196	46.765	ug/l	97
82) 4-Chlorotoluene	11.451	91	729361	46.452	ug/l	98
83) tert-Butylbenzene	11.713	119	737759	47.246	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	734944	47.361	ug/l	100
85) sec-Butylbenzene	11.890	105	926695	47.496	ug/l	100
86) p-Isopropyltoluene	12.006	119	770190	47.602	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	395590	46.093	ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	398720	45.855	ug/l	97
89) n-Butylbenzene	12.329	91	720801	47.504	ug/l	99
90) Hexachloroethane	12.536	117	138596	47.882	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	371784	45.325	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	46774	45.299	ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	254288	46.921	ug/l	99
94) Hexachlorobutadiene	13.719	225	91731	49.769	ug/l	98
95) Naphthalene	13.774	128	747230	47.032	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	240553	46.073	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047077.D
Acq On : 23 Jul 2025 09:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 24 05:42:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

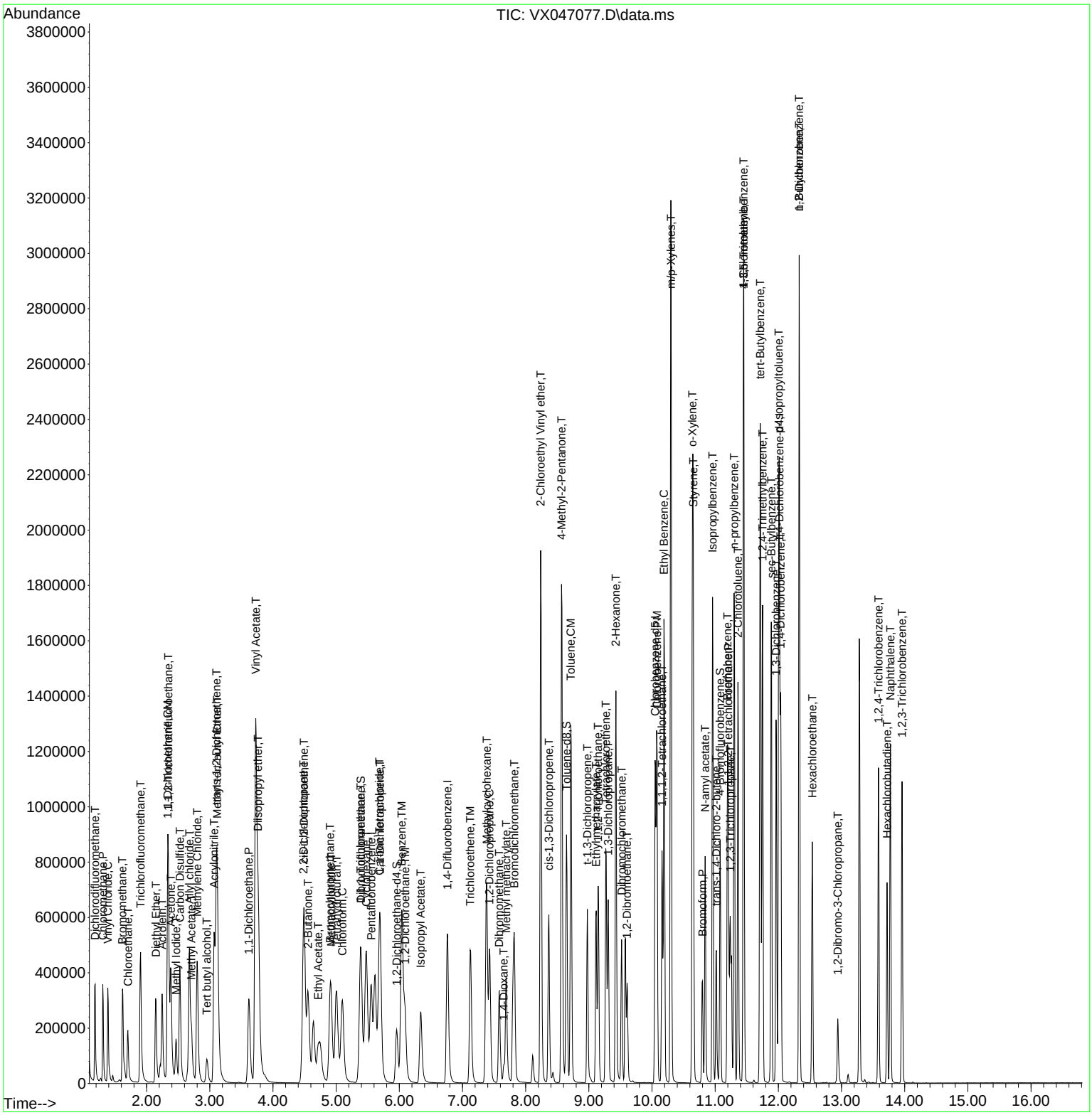
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047077.D
Acq On : 23 Jul 2025 09:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 24 05:42:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Sample Results: **VX047077.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047077.D
Acq On : 23 Jul 2025 09:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 24 05:42:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	112	0.00
2	T	Dichlorodifluoromethane	0.664	0.723	-8.9	105	0.00
3	P	Chloromethane	0.657	0.713	-8.5	114	0.00
4	C	Vinyl Chloride	0.706	0.725	-2.7#	104	0.00
5	T	Bromomethane	0.384	0.550	-43.2#	137	0.00
6	T	Chloroethane	0.464	0.424	8.6	101	0.00
7	T	Trichlorofluoromethane	1.053	1.071	-1.7	103	0.00
8	T	Diethyl Ether	0.371	0.359	3.2	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.625	1.4	104	0.00
10	T	Methyl Iodide	0.647	0.500	22.7	77	0.00
11	T	Tert butyl alcohol	0.080	0.059	26.3#	90	0.00
12	CM	1,1-Dichloroethene	0.628	0.610	2.9#	101	0.00
13	T	Acrolein	0.134	0.151	-12.7	122	0.00
14	T	Allyl chloride	1.136	1.124	1.1	101	0.00
15	T	Acrylonitrile	0.297	0.283	4.7	96	0.00
16	T	Acetone	0.250	0.252	-0.8	112	0.00
17	T	Carbon Disulfide	1.818	1.745	4.0	101	0.00
18	T	Methyl Acetate	0.663	0.627	5.4	102	0.00
19	T	Methyl tert-butyl Ether	1.912	1.773	7.3	96	0.00
20	T	Methylene Chloride	0.686	0.637	7.1	99	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.617	4.0	99	0.00
22	T	Diisopropyl ether	2.184	2.092	4.2	99	0.00
23	T	Vinyl Acetate	1.752	1.678	4.2	97	0.00
24	P	1,1-Dichloroethane	1.214	1.141	6.0	98	0.00
25	T	2-Butanone	0.363	0.329	9.4	94	0.00
26	T	2,2-Dichloropropane	0.940	0.889	5.4	101	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.699	8.1	97	-0.01
28	T	Bromochloromethane	0.559	0.531	5.0	97	0.00
29	T	Tetrahydrofuran	0.234	0.209	10.7	91	0.00
30	C	Chloroform	1.236	1.136	8.1#	98	0.00
31	T	Cyclohexane	1.164	1.044	10.3	96	0.00
32	T	1,1,1-Trichloroethane	1.074	0.990	7.8	98	-0.01
33	S	1,2-Dichloroethane-d4	0.623	0.586	5.9	114	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	113	0.00
35	S	Dibromofluoromethane	0.309	0.304	1.6	116	0.00
36	T	1,1-Dichloropropene	0.526	0.471	10.5	97	0.00
37	T	Ethyl Acetate	0.485	0.410	15.5	90	0.00
38	T	Carbon Tetrachloride	0.562	0.508	9.6	97	0.00
39	T	Methylcyclohexane	0.657	0.592	9.9	96	0.00
40	TM	Benzene	1.523	1.384	9.1	95	0.00
41	T	Methacrylonitrile	0.254	0.243	4.3	94	0.00
42	TM	1,2-Dichloroethane	0.536	0.496	7.5	97	0.00
43	T	Isopropyl Acetate	0.756	0.691	8.6	92	-0.01
44	TM	Trichloroethene	0.391	0.348	11.0	94	0.00
45	C	1,2-Dichloropropane	0.381	0.344	9.7#	95	0.00
46	T	Dibromomethane	0.267	0.246	7.9	94	0.00
47	T	Bromodichloromethane	0.569	0.521	8.4	95	0.00
48	T	Methyl methacrylate	0.412	0.356	13.6	91	0.00

Sample Results: **VX047077.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047077.D
Acq On : 23 Jul 2025 09:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 24 05:42:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.004	20.0	91	0.00
50	S	Toluene-d8	1.000	0.902	9.8	110	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.394	12.2	89	0.00
52	CM	Toluene	0.936	0.850	9.2#	94	0.00
53	T	t-1,3-Dichloropropene	0.538	0.496	7.8	95	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.552	6.1	95	0.00
55	T	1,1,2-Trichloroethane	0.351	0.312	11.1	94	0.00
56	T	Ethyl methacrylate	0.520	0.481	7.5	91	0.00
57	T	1,3-Dichloropropane	0.610	0.538	11.8	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.267	7.6	93	0.00
59	T	2-Hexanone	0.297	0.270	9.1	89	0.00
60	T	Dibromochloromethane	0.412	0.373	9.5	95	0.00
61	T	1,2-Dibromoethane	0.367	0.319	13.1	91	0.00
62	S	4-Bromofluorobenzene	0.431	0.393	8.8	109	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	107	0.00
64	T	Tetrachloroethene	0.360	0.323	10.3	92	0.00
65	PM	Chlorobenzene	1.171	1.072	8.5	94	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.362	8.1	93	0.00
67	C	Ethyl Benzene	2.048	1.906	6.9#	93	0.00
68	T	m/p-Xylenes	0.766	0.708	7.6	93	0.00
69	T	o-Xylene	0.729	0.673	7.7	92	0.00
70	T	Styrene	1.250	1.163	7.0	92	0.00
71	P	Bromoform	0.300	0.276	8.0	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.945	3.757	4.8	93	0.00
74	T	N-amyl acetate	1.592	1.491	6.3	89	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.022	9.3	90	0.00
76	T	1,2,3-Trichloropropane	0.925	0.848	8.3	91	0.00
77	T	Bromobenzene	0.946	0.881	6.9	92	0.00
78	T	n-propylbenzene	4.714	4.513	4.3	94	0.00
79	T	2-Chlorotoluene	2.818	2.630	6.7	93	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.083	5.4	93	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.336	6.4	92	0.00
82	T	4-Chlorotoluene	3.289	3.056	7.1	91	0.00
83	T	tert-Butylbenzene	3.271	3.091	5.5	92	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.079	5.3	92	0.00
85	T	sec-Butylbenzene	4.087	3.882	5.0	94	0.00
86	T	p-Isopropyltoluene	3.389	3.227	4.8	93	0.00
87	T	1,3-Dichlorobenzene	1.798	1.657	7.8	93	0.00
88	T	1,4-Dichlorobenzene	1.821	1.670	8.3	94	0.00
89	T	n-Butylbenzene	3.178	3.020	5.0	93	0.00
90	T	Hexachloroethane	0.606	0.581	4.1	95	0.00
91	T	1,2-Dichlorobenzene	1.718	1.558	9.3	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.196	9.3	87	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.065	6.2	93	0.00
94	T	Hexachlorobutadiene	0.386	0.384	0.5	101	0.00
95	T	Naphthalene	3.328	3.130	5.9	89	0.00

Sample Results: **VX047077.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047077.D
Acq On : 23 Jul 2025 09:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 24 05:42:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	1.008	7.9	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX047077.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047077.D
Acq On : 23 Jul 2025 09:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 24 05:42:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	112	0.00
2	T	Dichlorodifluoromethane	50.000	54.452	-8.9	105	0.00
3	P	Chloromethane	50.000	54.262	-8.5	114	0.00
4	C	Vinyl Chloride	50.000	51.362	-2.7#	104	0.00
5	T	Bromomethane	50.000	71.627	-43.3#	137	0.00
6	T	Chloroethane	50.000	45.675	8.7	101	0.00
7	T	Trichlorofluoromethane	50.000	50.835	-1.7	103	0.00
8	T	Diethyl Ether	50.000	48.366	3.3	103	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.257	1.5	104	0.00
10	T	Methyl Iodide	50.000	38.677	22.6	77	0.00
11	T	Tert butyl alcohol	250.000	201.345	19.5	90	0.00
12	CM	1,1-Dichloroethene	50.000	48.577	2.8#	101	0.00
13	T	Acrolein	250.000	282.299	-12.9	122	0.00
14	T	Allyl chloride	50.000	49.464	1.1	101	0.00
15	T	Acrylonitrile	250.000	238.115	4.8	96	0.00
16	T	Acetone	250.000	252.631	-1.1	112	0.00
17	T	Carbon Disulfide	50.000	48.006	4.0	101	0.00
18	T	Methyl Acetate	50.000	47.258	5.5	102	0.00
19	T	Methyl tert-butyl Ether	50.000	46.366	7.3	96	0.00
20	T	Methylene Chloride	50.000	46.396	7.2	99	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.945	4.1	99	0.00
22	T	Diisopropyl ether	50.000	47.905	4.2	99	0.00
23	T	Vinyl Acetate	250.000	239.529	4.2	97	0.00
24	P	1,1-Dichloroethane	50.000	46.964	6.1	98	0.00
25	T	2-Butanone	250.000	226.086	9.6	94	0.00
26	T	2,2-Dichloropropane	50.000	47.290	5.4	101	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.911	8.2	97	-0.01
28	T	Bromochloromethane	50.000	47.501	5.0	97	0.00
29	T	Tetrahydrofuran	250.000	222.984	10.8	91	0.00
30	C	Chloroform	50.000	45.942	8.1#	98	0.00
31	T	Cyclohexane	50.000	44.811	10.4	96	0.00
32	T	1,1,1-Trichloroethane	50.000	46.093	7.8	98	-0.01
33	S	1,2-Dichloroethane-d4	50.000	47.056	5.9	114	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	113	0.00
35	S	Dibromofluoromethane	50.000	49.257	1.5	116	0.00
36	T	1,1-Dichloropropene	50.000	44.706	10.6	97	0.00
37	T	Ethyl Acetate	50.000	42.227	15.5	90	0.00
38	T	Carbon Tetrachloride	50.000	45.250	9.5	97	0.00
39	T	Methylcyclohexane	50.000	45.082	9.8	96	0.00
40	TM	Benzene	50.000	45.427	9.1	95	0.00
41	T	Methacrylonitrile	50.000	47.877	4.2	94	0.00
42	TM	1,2-Dichloroethane	50.000	46.246	7.5	97	0.00
43	T	Isopropyl Acetate	50.000	45.698	8.6	92	-0.01
44	TM	Trichloroethene	50.000	44.524	11.0	94	0.00
45	C	1,2-Dichloropropane	50.000	45.079	9.8#	95	0.00
46	T	Dibromomethane	50.000	45.915	8.2	94	0.00
47	T	Bromodichloromethane	50.000	45.743	8.5	95	0.00
48	T	Methyl methacrylate	50.000	43.250	13.5	91	0.00

Sample Results: **VX047077.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047077.D
Acq On : 23 Jul 2025 09:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 24 05:42:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	900.080	10.0	91	0.00
50	S	Toluene-d8	50.000	45.097	9.8	110	0.00
51	T	4-Methyl-2-Pentanone	250.000	219.051	12.4	89	0.00
52	CM	Toluene	50.000	45.369	9.3#	94	0.00
53	T	t-1,3-Dichloropropene	50.000	46.088	7.8	95	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.878	6.2	95	0.00
55	T	1,1,2-Trichloroethane	50.000	44.403	11.2	94	0.00
56	T	Ethyl methacrylate	50.000	46.289	7.4	91	0.00
57	T	1,3-Dichloropropane	50.000	44.047	11.9	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	230.830	7.7	93	0.00
59	T	2-Hexanone	250.000	227.394	9.0	89	0.00
60	T	Dibromochloromethane	50.000	45.224	9.6	95	0.00
61	T	1,2-Dibromoethane	50.000	43.387	13.2	91	0.00
62	S	4-Bromofluorobenzene	50.000	45.654	8.7	109	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	107	0.00
64	T	Tetrachloroethene	50.000	44.834	10.3	92	0.00
65	PM	Chlorobenzene	50.000	45.755	8.5	94	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.851	8.3	93	0.00
67	C	Ethyl Benzene	50.000	46.543	6.9#	93	0.00
68	T	m/p-Xylenes	100.000	92.402	7.6	93	0.00
69	T	o-Xylene	50.000	46.145	7.7	92	0.00
70	T	Styrene	50.000	46.511	7.0	92	0.00
71	P	Bromoform	50.000	46.029	7.9	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	47.624	4.8	93	0.00
74	T	N-amyl acetate	50.000	46.841	6.3	89	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	45.358	9.3	90	0.00
76	T	1,2,3-Trichloropropane	50.000	45.801	8.4	91	0.00
77	T	Bromobenzene	50.000	46.563	6.9	92	0.00
78	T	n-propylbenzene	50.000	47.872	4.3	94	0.00
79	T	2-Chlorotoluene	50.000	46.665	6.7	93	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.303	5.4	93	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.765	6.5	92	0.00
82	T	4-Chlorotoluene	50.000	46.452	7.1	91	0.00
83	T	tert-Butylbenzene	50.000	47.246	5.5	92	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.361	5.3	92	0.00
85	T	sec-Butylbenzene	50.000	47.496	5.0	94	0.00
86	T	p-Isopropyltoluene	50.000	47.602	4.8	93	0.00
87	T	1,3-Dichlorobenzene	50.000	46.093	7.8	93	0.00
88	T	1,4-Dichlorobenzene	50.000	45.855	8.3	94	0.00
89	T	n-Butylbenzene	50.000	47.504	5.0	93	0.00
90	T	Hexachloroethane	50.000	47.882	4.2	95	0.00
91	T	1,2-Dichlorobenzene	50.000	45.325	9.3	91	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	45.299	9.4	87	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.921	6.2	93	0.00
94	T	Hexachlorobutadiene	50.000	49.769	0.5	101	0.00
95	T	Naphthalene	50.000	47.032	5.9	89	0.00

Sample Results: **VX047077.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047077.D
Acq On : 23 Jul 2025 09:30
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 24 05:42:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.073	7.9	92	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Raw Data: **VX047105.D**

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	ENVI60		
Lab Code:	ACE	SDG No.:	Q2481		
Instrument ID:	MSVOA_X	Calibration Date/Time:	07/24/2025	09:44	
Lab File ID:	VX047105.D	Init. Calib. Date(s):	07/21/2025	07/21/2025	
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47	11:32	
GC Column:	DB-624UI	ID:	0.18	(mm)	

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.706	0.789		11.76	20
1,1-Dichloroethene	0.628	0.640		1.91	20
2-Butanone	0.363	0.345		-4.96	20
Carbon Tetrachloride	0.562	0.551		-1.96	20
Chloroform	1.236	1.218		-1.46	20
Benzene	1.523	1.505		-1.18	20
1,2-Dichloroethane	0.536	0.537		0.19	20
Trichloroethene	0.391	0.374		-4.35	20
Tetrachloroethene	0.360	0.338		-6.11	20
Chlorobenzene	1.171	1.122	0.3	-4.18	20
1,2-Dichloroethane-d4	0.623	0.644		3.37	20
Dibromofluoromethane	0.309	0.335		8.41	20
Toluene-d8	1.000	1.006		0.6	20
4-Bromofluorobenzene	0.431	0.444		3.02	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047105.D
Acq On : 24 Jul 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 25 01:14:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	299639	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	500897	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	440622	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	207085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	193066	51.725	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 103.440%			
35) Dibromofluoromethane	5.391	113	167580	54.186	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.380%			
50) Toluene-d8	8.647	98	504116	50.333	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.660%			
62) 4-Bromofluorobenzene	11.079	95	222466	51.542	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	224297	56.356	ug/l	98
3) Chloromethane	1.313	50	201500	51.182	ug/l	98
4) Vinyl Chloride	1.392	62	236493	55.882	ug/l	100
5) Bromomethane	1.624	94	122852	53.440	ug/l	94
6) Chloroethane	1.703	64	134619	48.432	ug/l	96
7) Trichlorofluoromethane	1.904	101	335603	53.182	ug/l	97
8) Diethyl Ether	2.142	74	112306	50.475	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	195674	51.467	ug/l	99
10) Methyl Iodide	2.465	142	277507	71.619	ug/l	97
11) Tert butyl alcohol	2.959	59	100461	229.392	ug/l	95
12) 1,1-Dichloroethene	2.337	96	191671	50.900	ug/l	97
13) Acrolein	2.246	56	276961	344.613	ug/l	100
14) Allyl chloride	2.678	41	348840	51.248	ug/l	97
15) Acrylonitrile	3.075	53	430229	241.680	ug/l	99
16) Acetone	2.386	43	391900	262.093	ug/l	100
17) Carbon Disulfide	2.526	76	536427	49.242	ug/l	99
18) Methyl Acetate	2.709	43	197262	49.643	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	567844	49.549	ug/l	96
20) Methylene Chloride	2.800	84	203836	49.551	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	192741	50.019	ug/l	94
22) Diisopropyl ether	3.764	45	665681	50.866	ug/l	97
23) Vinyl Acetate	3.727	43	2720130	259.146	ug/l	99
24) 1,1-Dichloroethane	3.617	63	367631	50.518	ug/l	98
25) 2-Butanone	4.556	43	517145	237.523	ug/l	99
26) 2,2-Dichloropropane	4.483	77	282724	50.188	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	226137	49.558	ug/l	100
28) Bromochloromethane	4.897	49	190341	56.852	ug/l	98
29) Tetrahydrofuran	5.013	42	317807	226.232	ug/l	100
30) Chloroform	5.099	83	364860	49.254	ug/l	99
31) Cyclohexane	5.477	56	332841	47.700	ug/l	99
32) 1,1,1-Trichloroethane	5.385	97	319249	49.617	ug/l	99
36) 1,1-Dichloropropene	5.696	75	258430	49.021	ug/l	98
37) Ethyl Acetate	4.715	43	226013	46.527	ug/l	98
38) Carbon Tetrachloride	5.684	117	275848	49.025	ug/l	99
39) Methylcyclohexane	7.379	83	318323	48.362	ug/l	97
40) Benzene	6.044	78	753989	49.421	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047105.D
Acq On : 24 Jul 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 25 01:14:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.922	41	124110	48.864	ug/l	99
42) 1,2-Dichloroethane	6.086	62	269177	50.086	ug/l	99
43) Isopropyl Acetate	6.336	43	366049	48.336	ug/l	100
44) Trichloroethene	7.123	130	187111	47.827	ug/l	99
45) 1,2-Dichloropropane	7.428	63	186453	48.795	ug/l	96
46) Dibromomethane	7.580	93	131302	49.001	ug/l	100
47) Bromodichloromethane	7.818	83	286805	50.286	ug/l	99
48) Methyl methacrylate	7.690	41	190910	46.275	ug/l	99
49) 1,4-Dioxane	7.684	88	42866	913.548	ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1050959	233.479	ug/l	98
52) Toluene	8.714	92	461365	49.181	ug/l	98
53) t-1,3-Dichloropropene	8.976	75	263035	48.838	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	296329	50.270	ug/l	99
55) 1,1,2-Trichloroethane	9.147	97	169399	48.151	ug/l	99
56) Ethyl methacrylate	9.116	69	257621	49.464	ug/l	98
57) 1,3-Dichloropropane	9.305	76	294605	48.183	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.238	63	596772	205.910	ug/l	100
59) 2-Hexanone	9.427	43	708690	238.301	ug/l	100
60) Dibromochloromethane	9.519	129	205275	49.750	ug/l	100
61) 1,2-Dibromoethane	9.610	107	171521	46.626	ug/l	99
64) Tetrachloroethene	9.275	164	148974	46.900	ug/l	96
65) Chlorobenzene	10.079	112	494465	47.902	ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	172036	49.502	ug/l	97
67) Ethyl Benzene	10.189	91	882399	48.892	ug/l	99
68) m/p-Xylenes	10.299	106	653223	96.717	ug/l	98
69) o-Xylene	10.640	106	312945	48.706	ug/l	98
70) Styrene	10.653	104	542411	49.231	ug/l	99
71) Bromoform	10.799	173	126106	47.769	ug/l	99
73) Isopropylbenzene	10.957	105	825869	50.550	ug/l	100
74) N-amyl acetate	10.842	43	321746	48.809	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	223480	47.887	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	188419m	49.156	ug/l	
77) Bromobenzene	11.195	156	195109	49.789	ug/l	99
78) n-propylbenzene	11.299	91	990870	50.753	ug/l	100
79) 2-Chlorotoluene	11.360	91	583149	49.968	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	674272	49.956	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	54469	36.612	ug/l	98
82) 4-Chlorotoluene	11.451	91	685254	50.305	ug/l	99
83) tert-Butylbenzene	11.713	119	685399	50.593	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	682637	50.706	ug/l	99
85) sec-Butylbenzene	11.890	105	849150	50.166	ug/l	100
86) p-Isopropyltoluene	12.006	119	708195	50.452	ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	363982	48.884	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	364883	48.370	ug/l	97
89) n-Butylbenzene	12.329	91	667634	50.718	ug/l	99
90) Hexachloroethane	12.536	117	128187	51.047	ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	346125	48.638	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	44507	49.684	ug/l	96
93) 1,2,4-Trichlorobenzene	13.585	180	230676	49.062	ug/l	98
94) Hexachlorobutadiene	13.719	225	82402	51.533	ug/l	97
95) Naphthalene	13.774	128	697655	50.615	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	223047	49.242	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047105.D
Acq On : 24 Jul 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 25 01:14:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

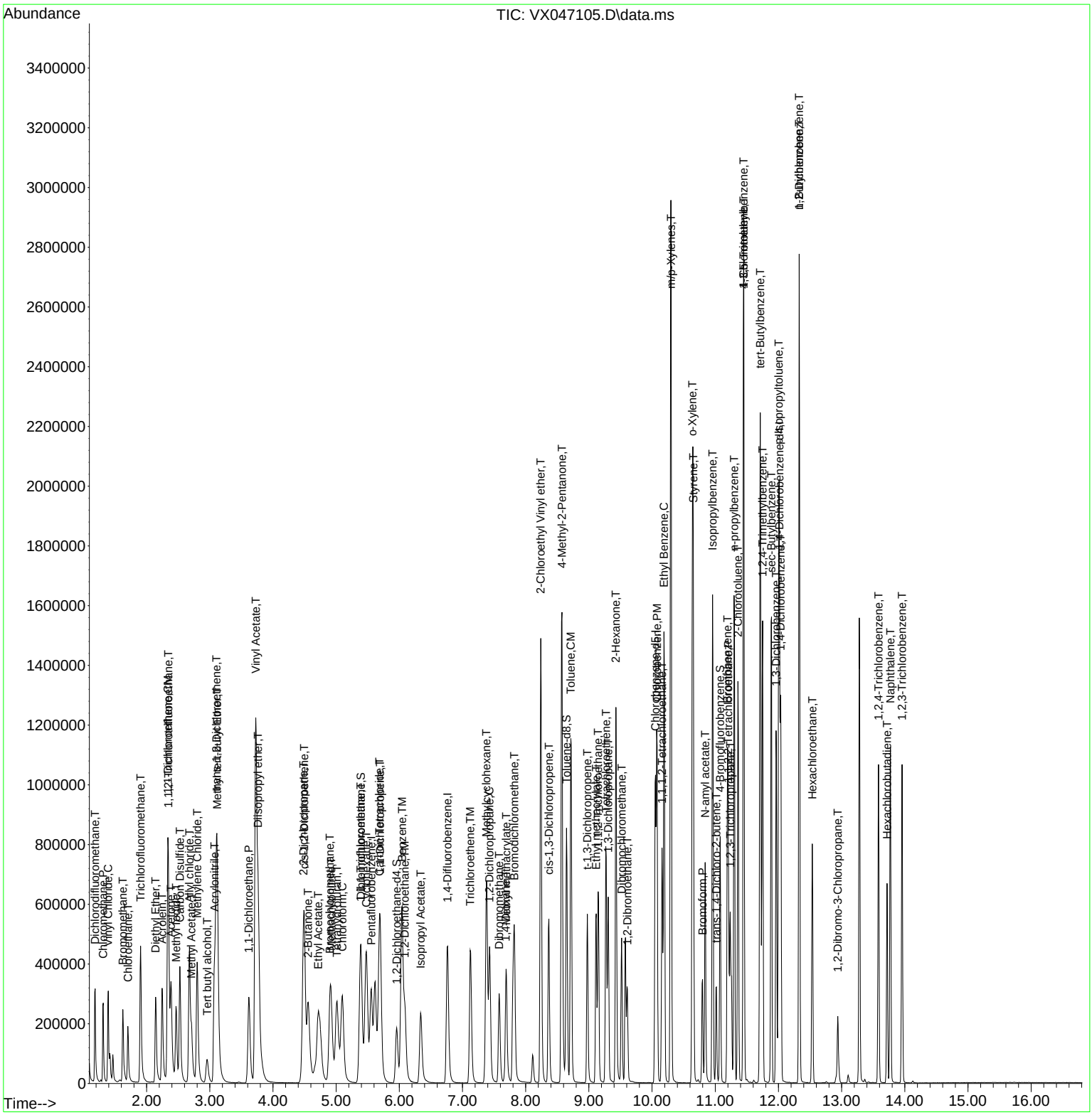
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047105.D
Acq On : 24 Jul 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 25 01:14:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



Sample Results: **VX047105.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047105.D
Acq On : 24 Jul 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 25 01:14:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.664	0.749	-12.8	94	0.00
3	P	Chloromethane	0.657	0.672	-2.3	93	0.00
4	C	Vinyl Chloride	0.706	0.789	-11.8#	98	0.00
5	T	Bromomethane	0.384	0.410	-6.8	89	0.00
6	T	Chloroethane	0.464	0.449	3.2	92	0.00
7	T	Trichlorofluoromethane	1.053	1.120	-6.4	94	0.00
8	T	Diethyl Ether	0.371	0.375	-1.1	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.653	-3.0	94	0.00
10	T	Methyl Iodide	0.647	0.926	-43.1#	123	0.00
11	T	Tert butyl alcohol	0.080	0.067	16.2	88	0.00
12	CM	1,1-Dichloroethene	0.628	0.640	-1.9#	92	0.00
13	T	Acrolein	0.134	0.185	-38.1#	129	0.00
14	T	Allyl chloride	1.136	1.164	-2.5	91	0.00
15	T	Acrylonitrile	0.297	0.287	3.4	84	0.00
16	T	Acetone	0.250	0.262	-4.8	100	0.00
17	T	Carbon Disulfide	1.818	1.790	1.5	89	0.00
18	T	Methyl Acetate	0.663	0.658	0.8	93	0.00
19	T	Methyl tert-butyl Ether	1.912	1.895	0.9	89	0.00
20	T	Methylene Chloride	0.686	0.680	0.9	91	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.643	0.0	89	0.00
22	T	Diisopropyl ether	2.184	2.222	-1.7	91	0.00
23	T	Vinyl Acetate	1.752	1.816	-3.7	91	0.00
24	P	1,1-Dichloroethane	1.214	1.227	-1.1	91	0.00
25	T	2-Butanone	0.363	0.345	5.0	85	0.00
26	T	2,2-Dichloropropane	0.940	0.944	-0.4	93	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.755	0.8	90	0.00
28	T	Bromochloromethane	0.559	0.635	-13.6	101	-0.01
29	T	Tetrahydrofuran	0.234	0.212	9.4	80	0.00
30	C	Chloroform	1.236	1.218	1.5#	91	0.00
31	T	Cyclohexane	1.164	1.111	4.6	88	0.00
32	T	1,1,1-Trichloroethane	1.074	1.065	0.8	91	-0.01
33	S	1,2-Dichloroethane-d4	0.623	0.644	-3.4	108	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	0.00
35	S	Dibromofluoromethane	0.309	0.335	-8.4	110	0.00
36	T	1,1-Dichloropropene	0.526	0.516	1.9	92	0.00
37	T	Ethyl Acetate	0.485	0.451	7.0	86	0.00
38	T	Carbon Tetrachloride	0.562	0.551	2.0	90	0.00
39	T	Methylcyclohexane	0.657	0.636	3.2	88	0.00
40	TM	Benzene	1.523	1.505	1.2	88	0.00
41	T	Methacrylonitrile	0.254	0.248	2.4	82	0.00
42	TM	1,2-Dichloroethane	0.536	0.537	-0.2	91	-0.01
43	T	Isopropyl Acetate	0.756	0.731	3.3	83	-0.01
44	TM	Trichloroethene	0.391	0.374	4.3	86	0.00
45	C	1,2-Dichloropropane	0.381	0.372	2.4#	88	0.00
46	T	Dibromomethane	0.267	0.262	1.9	87	0.00
47	T	Bromodichloromethane	0.569	0.573	-0.7	90	0.00
48	T	Methyl methacrylate	0.412	0.381	7.5	84	0.00

Sample Results: **VX047105.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047105.D
Acq On : 24 Jul 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 25 01:14:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.004	20.0	79	0.02
50	S	Toluene-d8	1.000	1.006	-0.6	106	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.420	6.5	82	0.00
52	CM	Toluene	0.936	0.921	1.6#	88	0.00
53	T	t-1,3-Dichloropropene	0.538	0.525	2.4	86	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.592	-0.7	88	0.00
55	T	1,1,2-Trichloroethane	0.351	0.338	3.7	87	0.00
56	T	Ethyl methacrylate	0.520	0.514	1.2	84	0.00
57	T	1,3-Dichloropropane	0.610	0.588	3.6	87	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.238	17.6	72	0.00
59	T	2-Hexanone	0.297	0.283	4.7	80	0.00
60	T	Dibromochloromethane	0.412	0.410	0.5	90	0.00
61	T	1,2-Dibromoethane	0.367	0.342	6.8	84	0.00
62	S	4-Bromofluorobenzene	0.431	0.444	-3.0	105	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	95	0.00
64	T	Tetrachloroethene	0.360	0.338	6.1	85	0.00
65	PM	Chlorobenzene	1.171	1.122	4.2	86	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.390	1.0	88	0.00
67	C	Ethyl Benzene	2.048	2.003	2.2#	86	0.00
68	T	m/p-Xylenes	0.766	0.741	3.3	86	0.00
69	T	o-Xylene	0.729	0.710	2.6	86	0.00
70	T	Styrene	1.250	1.231	1.5	86	0.00
71	P	Bromoform	0.300	0.286	4.7	84	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.945	3.988	-1.1	86	0.00
74	T	N-amyl acetate	1.592	1.554	2.4	81	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.079	4.3	83	0.00
76	T	1,2,3-Trichloropropane	0.925	0.910	1.6	85	0.00
77	T	Bromobenzene	0.946	0.942	0.4	86	0.00
78	T	n-propylbenzene	4.714	4.785	-1.5	87	0.00
79	T	2-Chlorotoluene	2.818	2.816	0.1	86	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.256	0.1	86	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.263	26.7#	62	0.00
82	T	4-Chlorotoluene	3.289	3.309	-0.6	86	0.00
83	T	tert-Butylbenzene	3.271	3.310	-1.2	85	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.296	-1.4	85	0.00
85	T	sec-Butylbenzene	4.087	4.100	-0.3	86	0.00
86	T	p-Isopropyltoluene	3.389	3.420	-0.9	85	0.00
87	T	1,3-Dichlorobenzene	1.798	1.758	2.2	85	0.00
88	T	1,4-Dichlorobenzene	1.821	1.762	3.2	86	0.00
89	T	n-Butylbenzene	3.178	3.224	-1.4	86	0.00
90	T	Hexachloroethane	0.606	0.619	-2.1	87	0.00
91	T	1,2-Dichlorobenzene	1.718	1.671	2.7	85	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.215	0.5	83	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.114	1.9	84	0.00
94	T	Hexachlorobutadiene	0.386	0.398	-3.1	91	0.00
95	T	Naphthalene	3.328	3.369	-1.2	83	0.00

Sample Results: **VX047105.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047105.D
Acq On : 24 Jul 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 25 01:14:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	1.077	1.6	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

Sample Results: **VX047105.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047105.D
Acq On : 24 Jul 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 25 01:14:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	56.356	-12.7	94	0.00
3	P	Chloromethane	50.000	51.182	-2.4	93	0.00
4	C	Vinyl Chloride	50.000	55.882	-11.8#	98	0.00
5	T	Bromomethane	50.000	53.440	-6.9	89	0.00
6	T	Chloroethane	50.000	48.432	3.1	92	0.00
7	T	Trichlorofluoromethane	50.000	53.182	-6.4	94	0.00
8	T	Diethyl Ether	50.000	50.475	-1.0	93	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	51.467	-2.9	94	0.00
10	T	Methyl Iodide	50.000	71.619	-43.2#	123	0.00
11	T	Tert butyl alcohol	250.000	229.392	8.2	88	0.00
12	CM	1,1-Dichloroethene	50.000	50.900	-1.8#	92	0.00
13	T	Acrolein	250.000	344.613	-37.8#	129	0.00
14	T	Allyl chloride	50.000	51.248	-2.5	91	0.00
15	T	Acrylonitrile	250.000	241.680	3.3	84	0.00
16	T	Acetone	250.000	262.093	-4.8	100	0.00
17	T	Carbon Disulfide	50.000	49.242	1.5	89	0.00
18	T	Methyl Acetate	50.000	49.643	0.7	93	0.00
19	T	Methyl tert-butyl Ether	50.000	49.549	0.9	89	0.00
20	T	Methylene Chloride	50.000	49.551	0.9	91	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.019	-0.0	89	0.00
22	T	Diisopropyl ether	50.000	50.866	-1.7	91	0.00
23	T	Vinyl Acetate	250.000	259.146	-3.7	91	0.00
24	P	1,1-Dichloroethane	50.000	50.518	-1.0	91	0.00
25	T	2-Butanone	250.000	237.523	5.0	85	0.00
26	T	2,2-Dichloropropane	50.000	50.188	-0.4	93	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.558	0.9	90	0.00
28	T	Bromochloromethane	50.000	56.852	-13.7	101	-0.01
29	T	Tetrahydrofuran	250.000	226.232	9.5	80	0.00
30	C	Chloroform	50.000	49.254	1.5#	91	0.00
31	T	Cyclohexane	50.000	47.700	4.6	88	0.00
32	T	1,1,1-Trichloroethane	50.000	49.617	0.8	91	-0.01
33	S	1,2-Dichloroethane-d4	50.000	51.725	-3.5	108	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	0.00
35	S	Dibromofluoromethane	50.000	54.186	-8.4	110	0.00
36	T	1,1-Dichloropropene	50.000	49.021	2.0	92	0.00
37	T	Ethyl Acetate	50.000	46.527	6.9	86	0.00
38	T	Carbon Tetrachloride	50.000	49.025	2.0	90	0.00
39	T	Methylcyclohexane	50.000	48.362	3.3	88	0.00
40	TM	Benzene	50.000	49.421	1.2	88	0.00
41	T	Methacrylonitrile	50.000	48.864	2.3	82	0.00
42	TM	1,2-Dichloroethane	50.000	50.086	-0.2	91	-0.01
43	T	Isopropyl Acetate	50.000	48.336	3.3	83	-0.01
44	TM	Trichloroethene	50.000	47.827	4.3	86	0.00
45	C	1,2-Dichloropropane	50.000	48.795	2.4#	88	0.00
46	T	Dibromomethane	50.000	49.001	2.0	87	0.00
47	T	Bromodichloromethane	50.000	50.286	-0.6	90	0.00
48	T	Methyl methacrylate	50.000	46.275	7.5	84	0.00

Sample Results: **VX047105.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047105.D
Acq On : 24 Jul 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 25 01:14:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	913.548	8.6	79	0.02
50	S	Toluene-d8	50.000	50.333	-0.7	106	0.00
51	T	4-Methyl-2-Pentanone	250.000	233.479	6.6	82	0.00
52	CM	Toluene	50.000	49.181	1.6#	88	0.00
53	T	t-1,3-Dichloropropene	50.000	48.838	2.3	86	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.270	-0.5	88	0.00
55	T	1,1,2-Trichloroethane	50.000	48.151	3.7	87	0.00
56	T	Ethyl methacrylate	50.000	49.464	1.1	84	0.00
57	T	1,3-Dichloropropane	50.000	48.183	3.6	87	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	205.910	17.6	72	0.00
59	T	2-Hexanone	250.000	238.301	4.7	80	0.00
60	T	Dibromochloromethane	50.000	49.750	0.5	90	0.00
61	T	1,2-Dibromoethane	50.000	46.626	6.7	84	0.00
62	S	4-Bromofluorobenzene	50.000	51.542	-3.1	105	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	95	0.00
64	T	Tetrachloroethene	50.000	46.900	6.2	85	0.00
65	PM	Chlorobenzene	50.000	47.902	4.2	86	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.502	1.0	88	0.00
67	C	Ethyl Benzene	50.000	48.892	2.2#	86	0.00
68	T	m/p-Xylenes	100.000	96.717	3.3	86	0.00
69	T	o-Xylene	50.000	48.706	2.6	86	0.00
70	T	Styrene	50.000	49.231	1.5	86	0.00
71	P	Bromoform	50.000	47.769	4.5	84	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	50.550	-1.1	86	0.00
74	T	N-amyl acetate	50.000	48.809	2.4	81	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	47.887	4.2	83	0.00
76	T	1,2,3-Trichloropropane	50.000	49.156	1.7	85	0.00
77	T	Bromobenzene	50.000	49.789	0.4	86	0.00
78	T	n-propylbenzene	50.000	50.753	-1.5	87	0.00
79	T	2-Chlorotoluene	50.000	49.968	0.1	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.956	0.1	86	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	36.612	26.8#	62	0.00
82	T	4-Chlorotoluene	50.000	50.305	-0.6	86	0.00
83	T	tert-Butylbenzene	50.000	50.593	-1.2	85	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.706	-1.4	85	0.00
85	T	sec-Butylbenzene	50.000	50.166	-0.3	86	0.00
86	T	p-Isopropyltoluene	50.000	50.452	-0.9	85	0.00
87	T	1,3-Dichlorobenzene	50.000	48.884	2.2	85	0.00
88	T	1,4-Dichlorobenzene	50.000	48.370	3.3	86	0.00
89	T	n-Butylbenzene	50.000	50.718	-1.4	86	0.00
90	T	Hexachloroethane	50.000	51.047	-2.1	87	0.00
91	T	1,2-Dichlorobenzene	50.000	48.638	2.7	85	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.684	0.6	83	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.062	1.9	84	0.00
94	T	Hexachlorobutadiene	50.000	51.533	-3.1	91	0.00
95	T	Naphthalene	50.000	50.615	-1.2	83	0.00

Sample Results: **VX047105.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047105.D
Acq On : 24 Jul 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jul 25 01:14:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.242	1.5	85	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 6

QC SAMPLE DATA

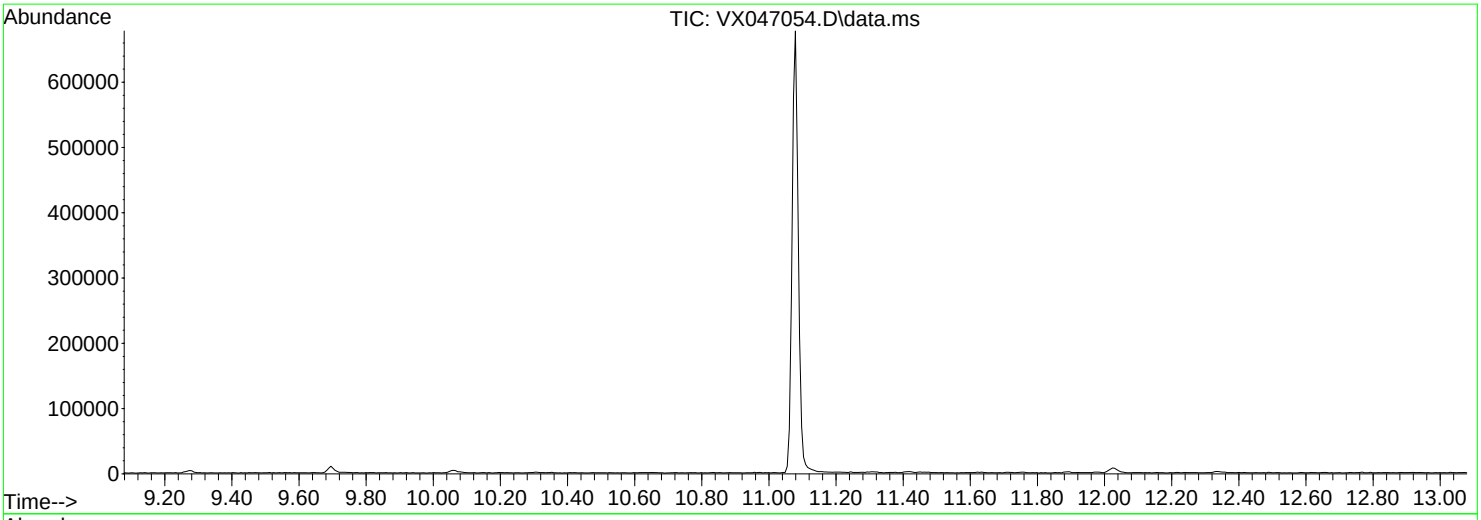
Sample Results: **VX047054.D**

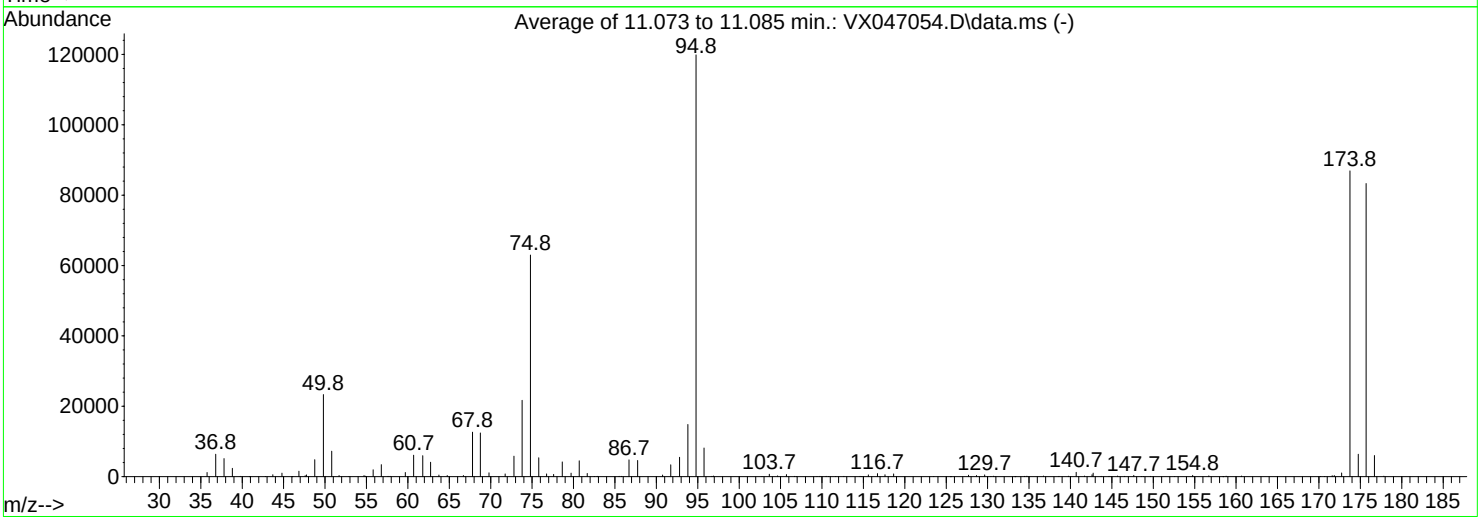
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047054.D
Acq On : 21 Jul 2025 08:53
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.4	23312	PASS
75	95	30	60	52.5	62997	PASS
95	95	100	100	100.0	119888	PASS
96	95	5	9	6.8	8138	PASS
173	174	0.00	2	1.2	1064	PASS
174	95	50	100	72.5	86899	PASS
175	174	5	9	7.3	6373	PASS
176	174	95	101	95.9	83323	PASS
177	176	5	9	7.2	5999	PASS

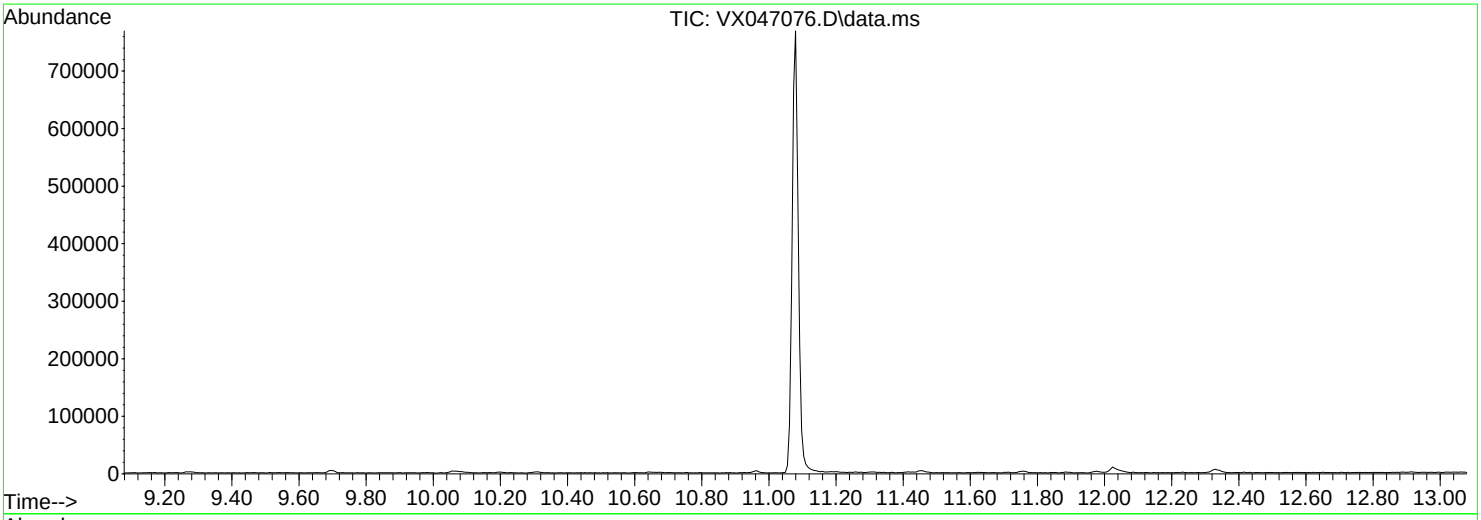
Sample Results: **VX047076.D**

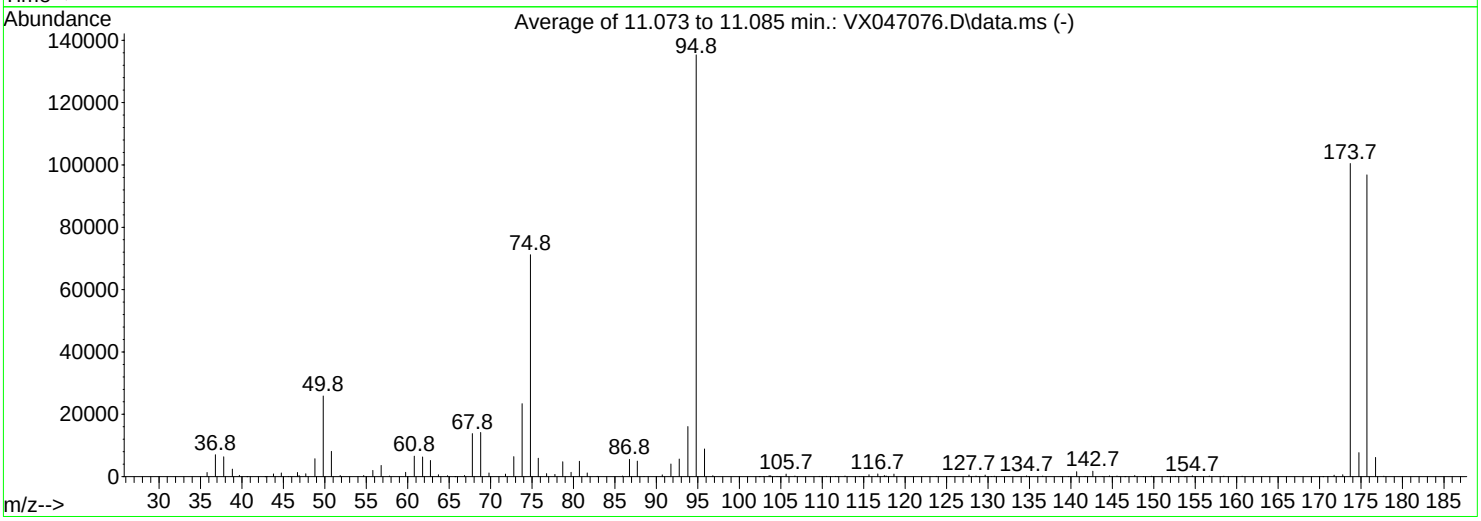
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047076.D
Acq On : 23 Jul 2025 09:00
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.1	25856	PASS
75	95	30	60	52.6	71197	PASS
95	95	100	100	100.0	135323	PASS
96	95	5	9	6.6	8889	PASS
173	174	0.00	2	0.6	618	PASS
174	95	50	100	74.3	100485	PASS
175	174	5	9	7.7	7694	PASS
176	174	95	101	96.4	96827	PASS
177	176	5	9	6.4	6165	PASS

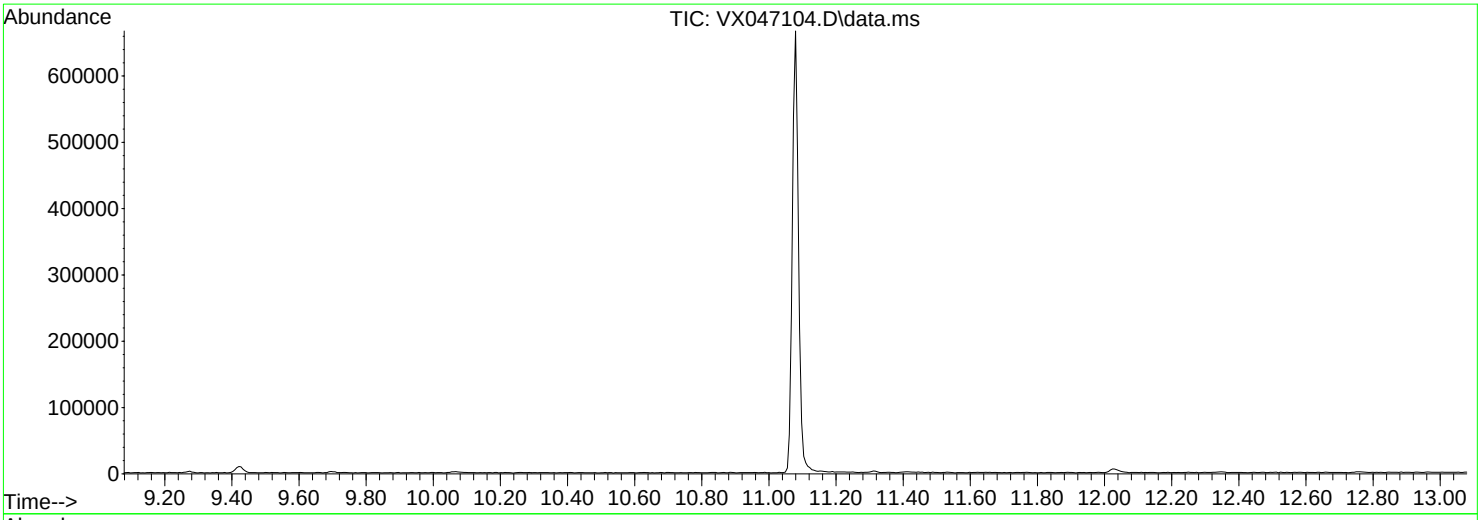
Sample Results: **VX047104.D**

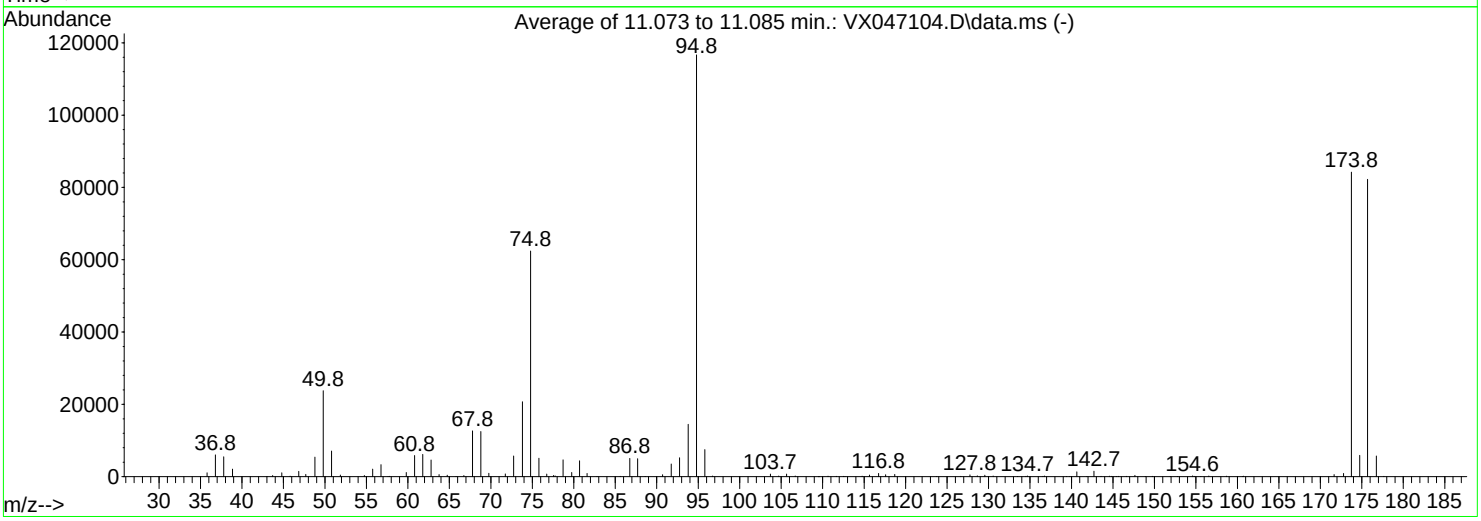
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047104.D
Acq On : 24 Jul 2025 09:12
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Title : SW846 8260
Last Update : Tue Jul 22 03:59:51 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.4	23789	PASS
75	95	30	60	53.5	62416	PASS
95	95	100	100	100.0	116677	PASS
96	95	5	9	6.4	7483	PASS
173	174	0.00	2	1.1	887	PASS
174	95	50	100	72.2	84240	PASS
175	174	5	9	7.0	5910	PASS
176	174	95	101	97.6	82237	PASS
177	176	5	9	6.9	5705	PASS

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	CC2-16 Analytical	Date Received:	
Client Sample ID:	VX0723WBL01	SDG No.:	Q2481
Lab Sample ID:	VX0723WBL01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047079.D	1	07/23/25 10:45	VX072325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.7		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	47.2		75 - 124	94%	SPK: 50
2037-26-5	Toluene-d8	52.1		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	496000	5.556			
540-36-3	1,4-Difluorobenzene	889000	6.763			
3114-55-4	Chlorobenzene-d5	839000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	407000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047079.D
Acq On : 23 Jul 2025 10:45
Operator : JC/MD
Sample : VX0723WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBL01

Quant Time: Jul 24 05:44:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	495715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	888951	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	838806	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	406646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	306719	49.671	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.340%			
35) Dibromofluoromethane	5.391	113	259326	47.247	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.500%			
50) Toluene-d8	8.647	98	926506	52.124	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 104.240%			
62) 4-Bromofluorobenzene	11.079	95	370567	48.377	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.760%			

Target Compounds Qvalue

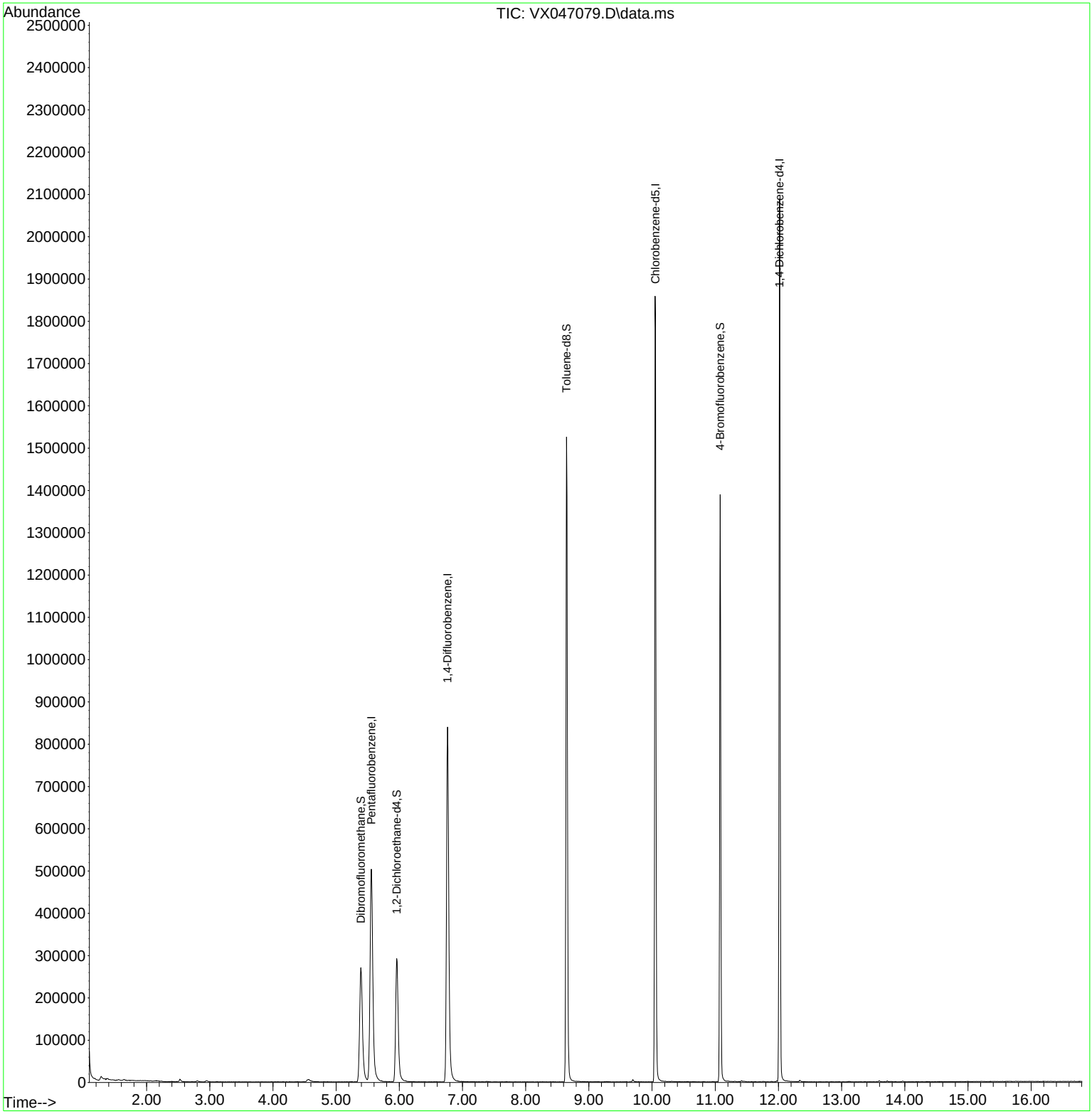
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VX047079.D**

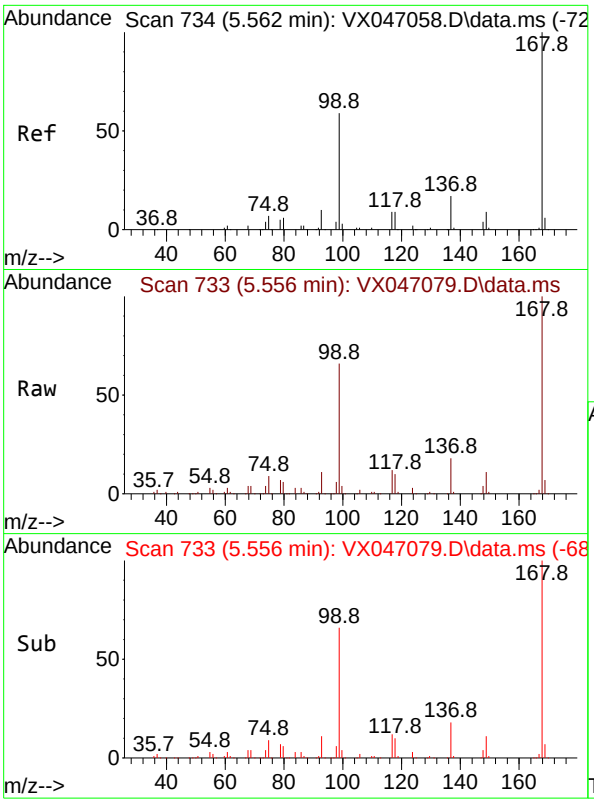
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047079.D
Acq On : 23 Jul 2025 10:45
Operator : JC/MD
Sample : VX0723WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBL01

Quant Time: Jul 24 05:44:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



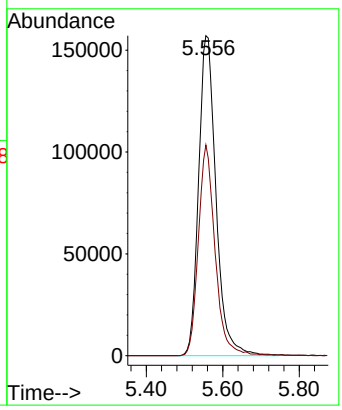
Instrument :
MSVOA_X
ClientSampleId :
VX0723WBL01

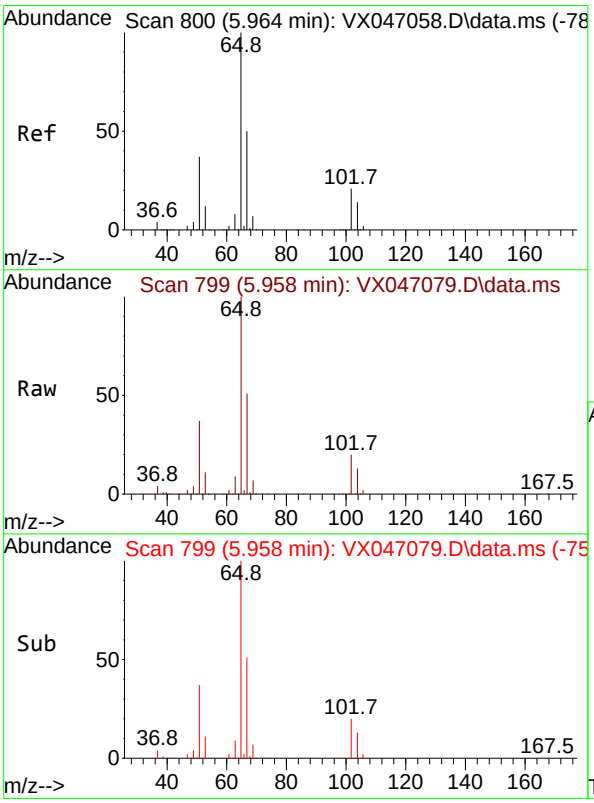


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047079.D
Acq: 23 Jul 2025 10:45

Tgt Ion:168 Resp: 495715

Ion	Ratio	Lower	Upper
168	100		
99	65.8	48.0	72.0

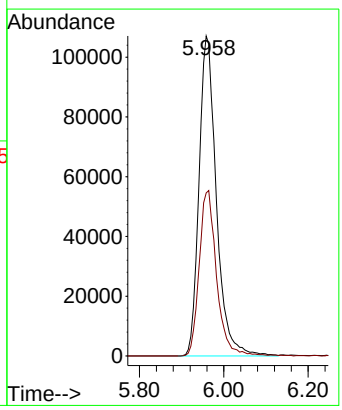


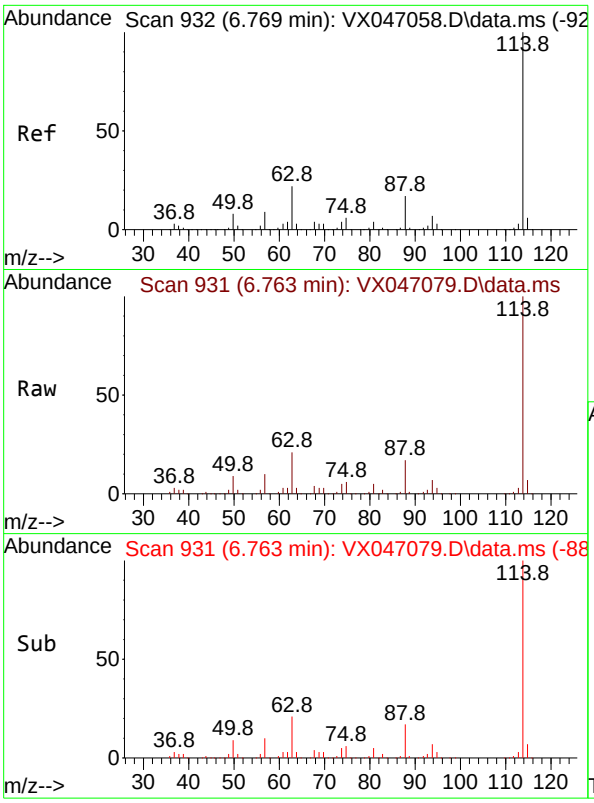


#33
1,2-Dichloroethane-d4
Concen: 49.671 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX047079.D
Acq: 23 Jul 2025 10:45

Tgt Ion: 65 Resp: 306719

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.8



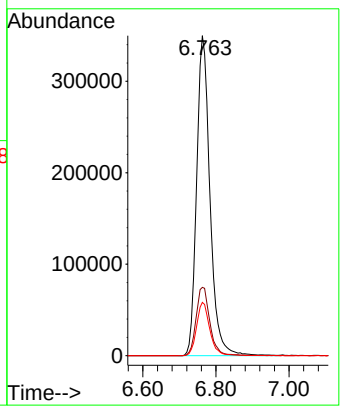


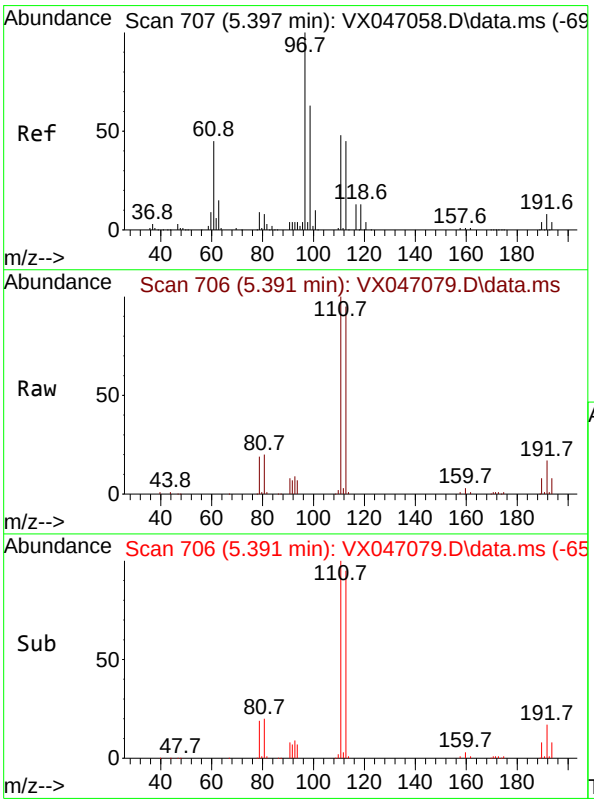
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047079.D
Acq: 23 Jul 2025 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBL01

Tgt Ion:114 Resp: 888951

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.2
88	16.7	0.0	33.8

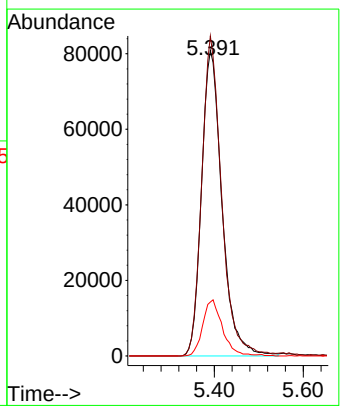


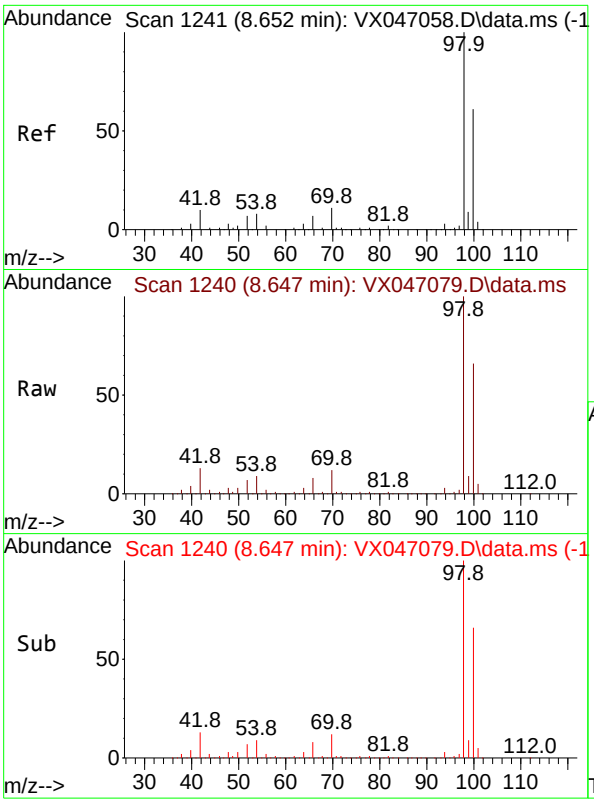


#35
Dibromofluoromethane
Concen: 47.247 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047079.D
Acq: 23 Jul 2025 10:45

Tgt Ion:113 Resp: 259326

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	124.0
192	17.6	14.9	22.3



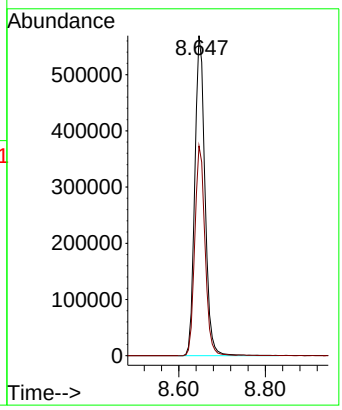


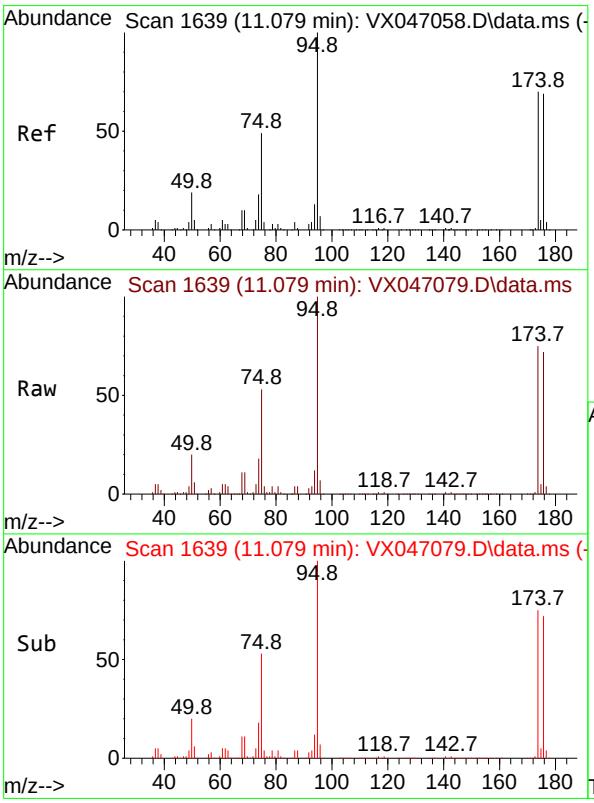
#50
Toluene-d8
Concen: 52.124 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047079.D
Acq: 23 Jul 2025 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBL01

Tgt Ion: 98 Resp: 926506

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.3	79.9

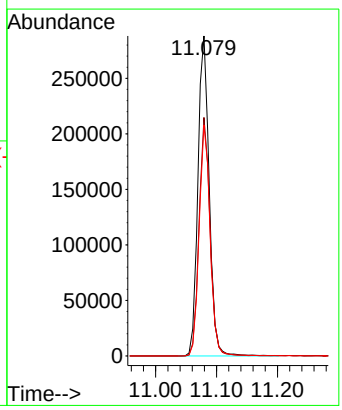


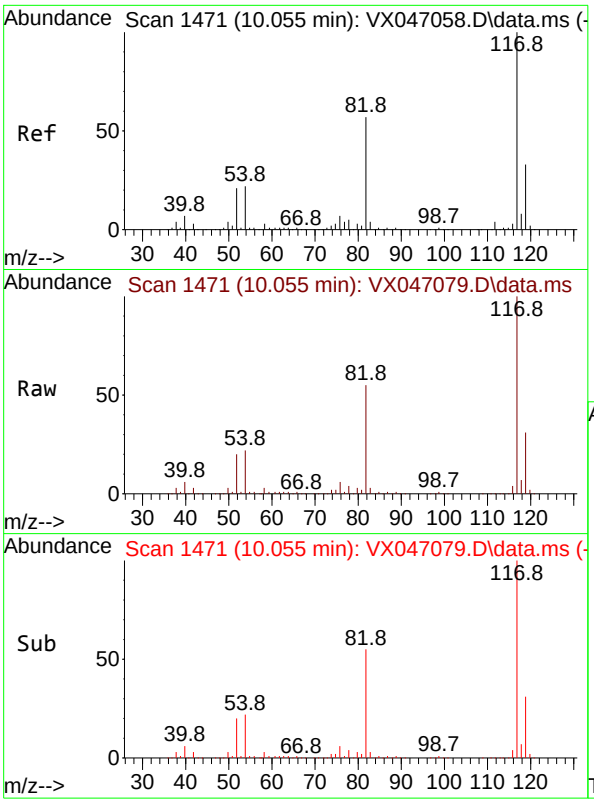


#62
4-Bromofluorobenzene
Concen: 48.377 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047079.D
Acq: 23 Jul 2025 10:45

Tgt Ion: 95 Resp: 370567

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	144.6
176	70.4	0.0	139.6



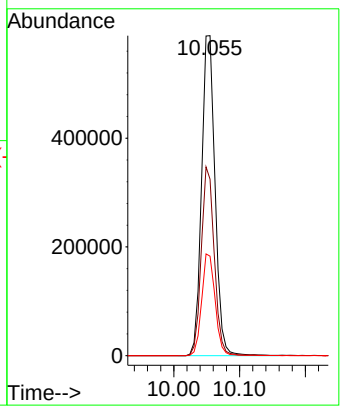


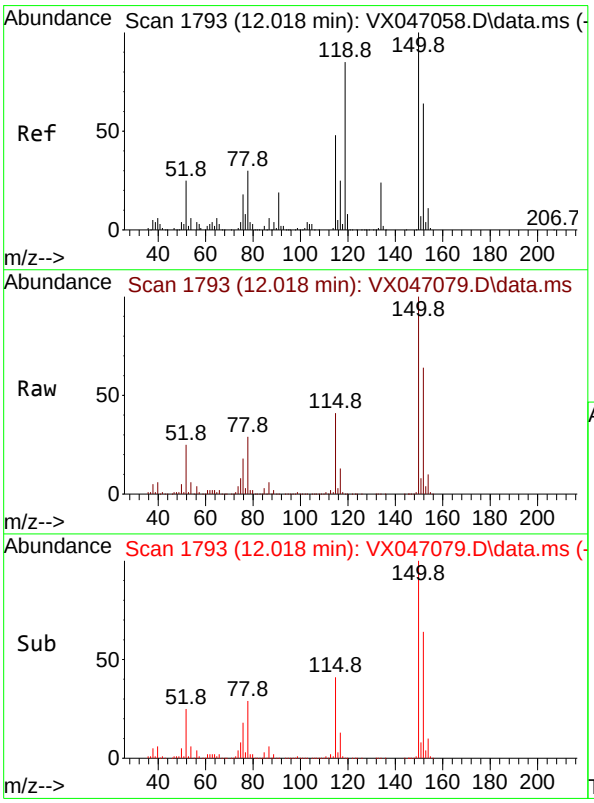
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047079.D
Acq: 23 Jul 2025 10:45

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBL01

Tgt Ion:117 Resp: 838806

Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.4	68.2
119	31.1	26.1	39.1

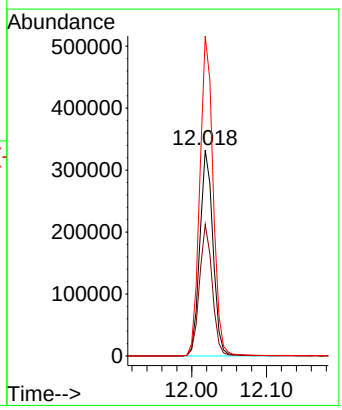




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047079.D
Acq: 23 Jul 2025 10:45

Tgt Ion:152 Resp: 406646

Ion	Ratio	Lower	Upper
152	100		
115	62.1	45.6	136.7
150	156.4	0.0	354.6



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	CC2-16 Analytical	Date Received:	
Client Sample ID:	VX0724WBL01	SDG No.:	Q2481
Lab Sample ID:	VX0724WBL01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047107.D	1	07/24/25 10:34	VX072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.5		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	53.8		86 - 113	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		77 - 121	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	464000	5.562			
540-36-3	1,4-Difluorobenzene	839000	6.769			
3114-55-4	Chlorobenzene-d5	802000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	397000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047107.D
Acq On : 24 Jul 2025 10:34
Operator : JC/MD
Sample : VX0724WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBL01

Quant Time: Jul 25 01:19:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

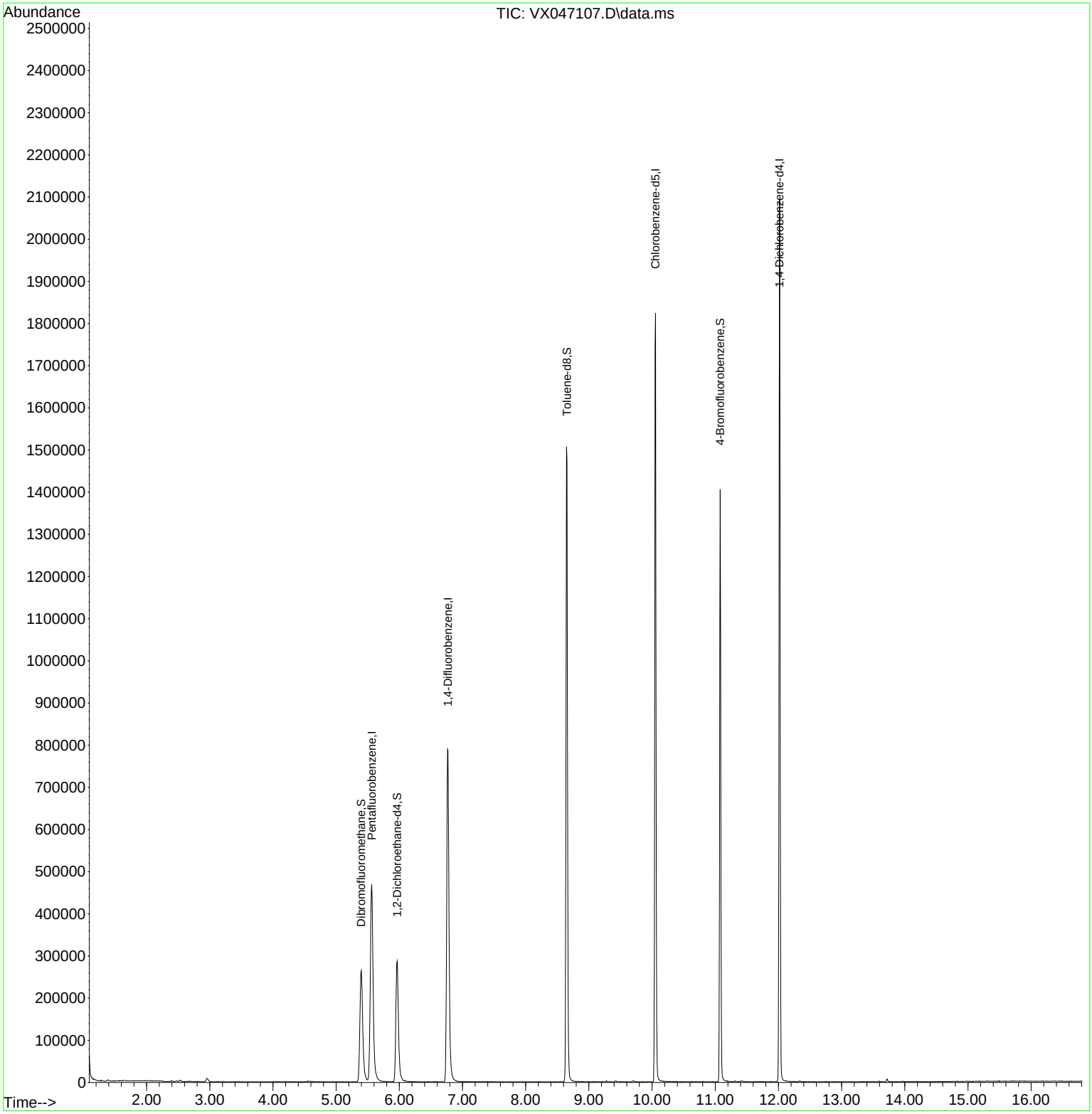
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	463916	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	839242	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	802389	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	396966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	303642	52.543	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.080%			
35) Dibromofluoromethane	5.397	113	251590	48.553	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.100%			
50) Toluene-d8	8.653	98	903609	53.847	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 107.700%			
62) 4-Bromofluorobenzene	11.079	95	372094	51.453	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.900%			
Target Compounds						Qvalue

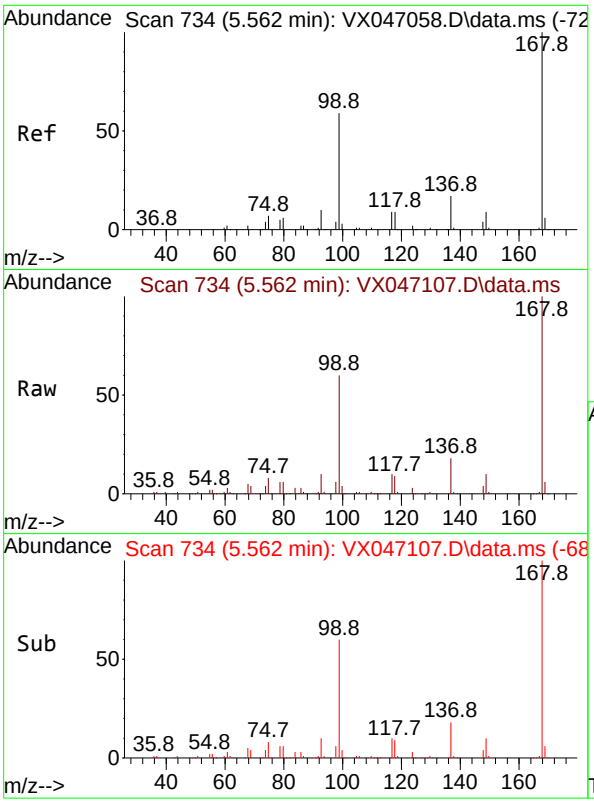
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047107.D
Acq On : 24 Jul 2025 10:34
Operator : JC/MD
Sample : VX0724WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBL01

Quant Time: Jul 25 01:19:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



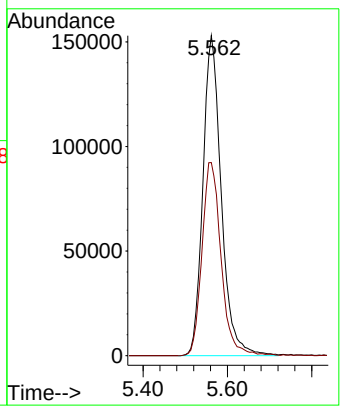


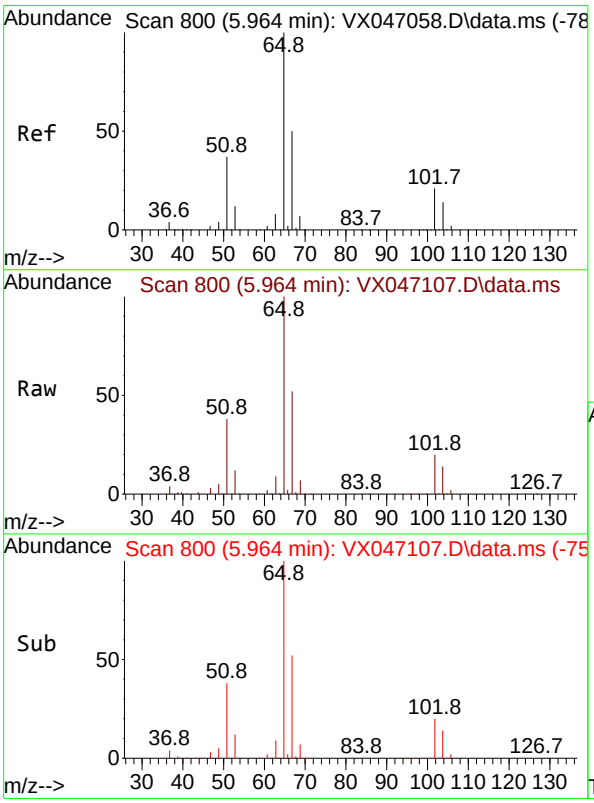
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047107.D
Acq: 24 Jul 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBL01

Tgt Ion:168 Resp: 463916

Ion	Ratio	Lower	Upper
168	100		
99	60.3	48.0	72.0

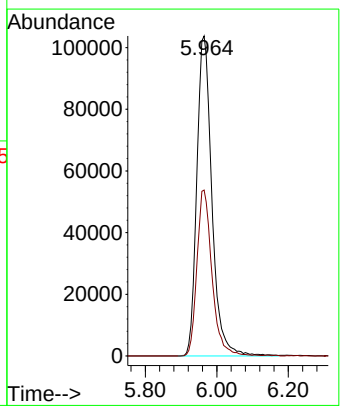


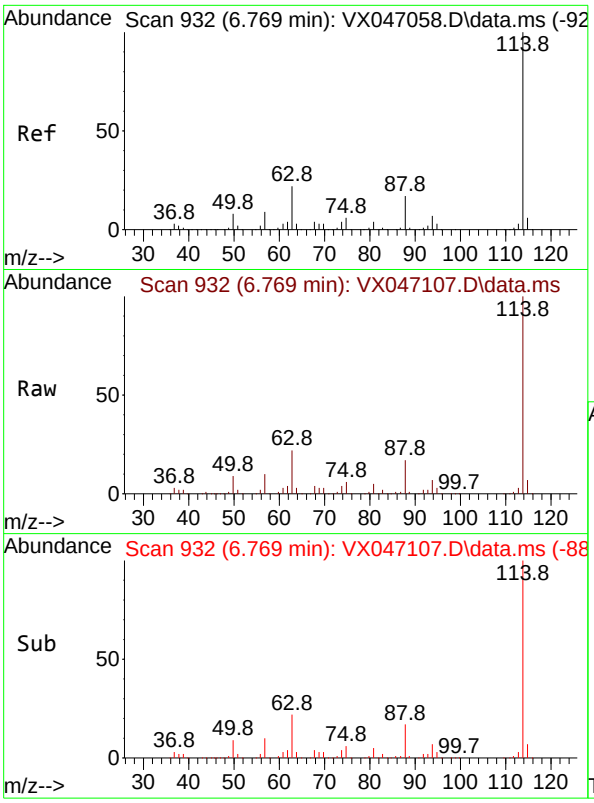


#33
1,2-Dichloroethane-d4
Concen: 52.543 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047107.D
Acq: 24 Jul 2025 10:34

Tgt Ion: 65 Resp: 303642

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8



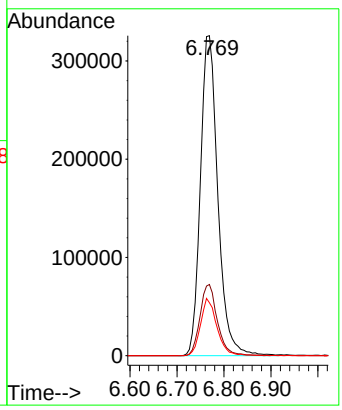


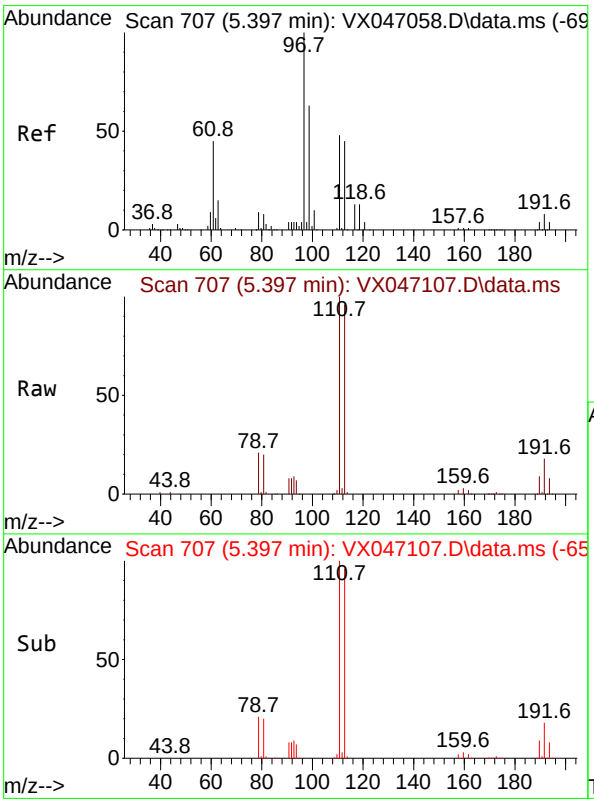
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047107.D
Acq: 24 Jul 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBL01

Tgt Ion:114 Resp: 839242

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.2
88	16.6	0.0	33.8

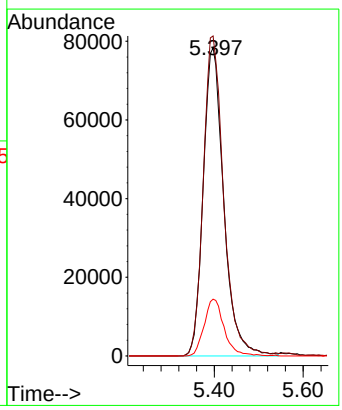


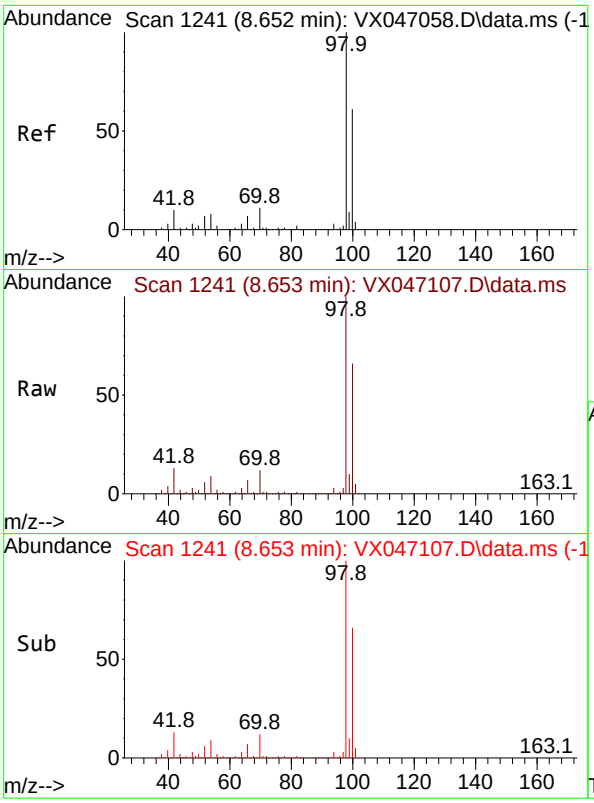


#35
Dibromofluoromethane
Concen: 48.553 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047107.D
Acq: 24 Jul 2025 10:34

Tgt Ion:113 Resp: 251590

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	18.0	14.9	22.3



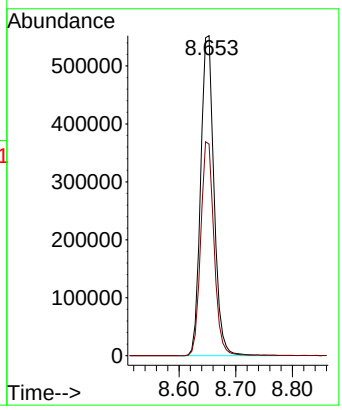


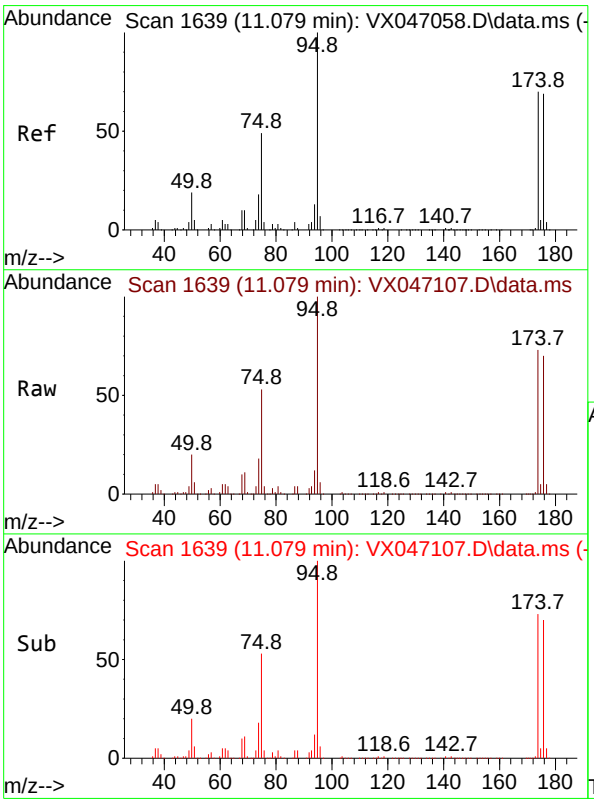
#50
Toluene-d8
Concen: 53.847 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047107.D
Acq: 24 Jul 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBL01

Tgt Ion: 98 Resp: 903609

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9

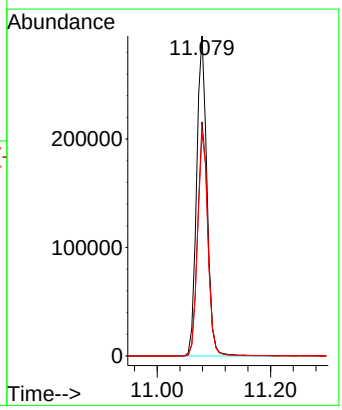


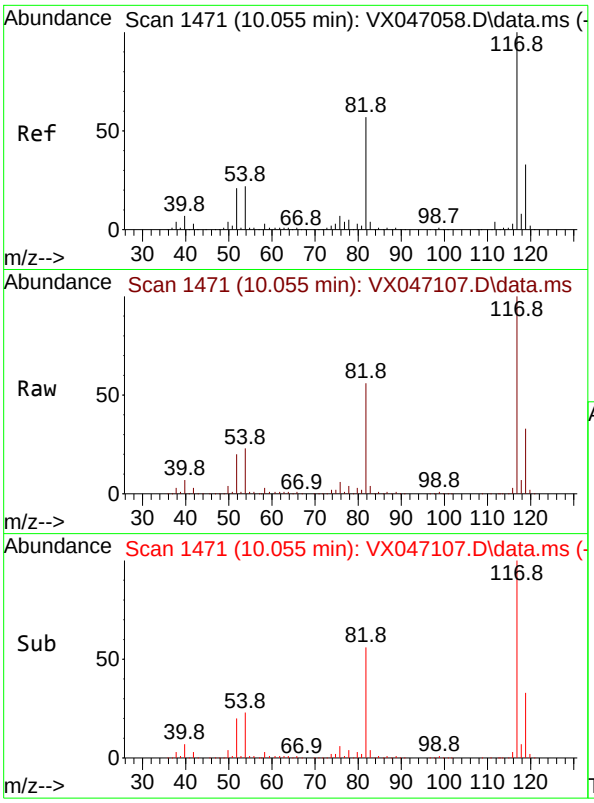


#62
4-Bromofluorobenzene
Concen: 51.453 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047107.D
Acq: 24 Jul 2025 10:34

Tgt Ion: 95 Resp: 372094

Ion	Ratio	Lower	Upper
95	100		
174	71.7	0.0	144.6
176	69.7	0.0	139.6



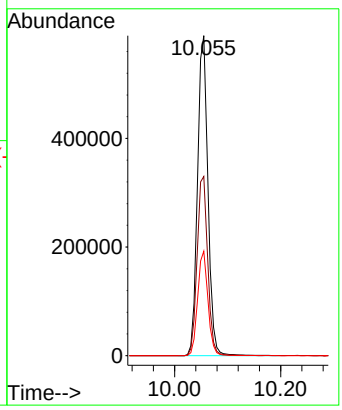


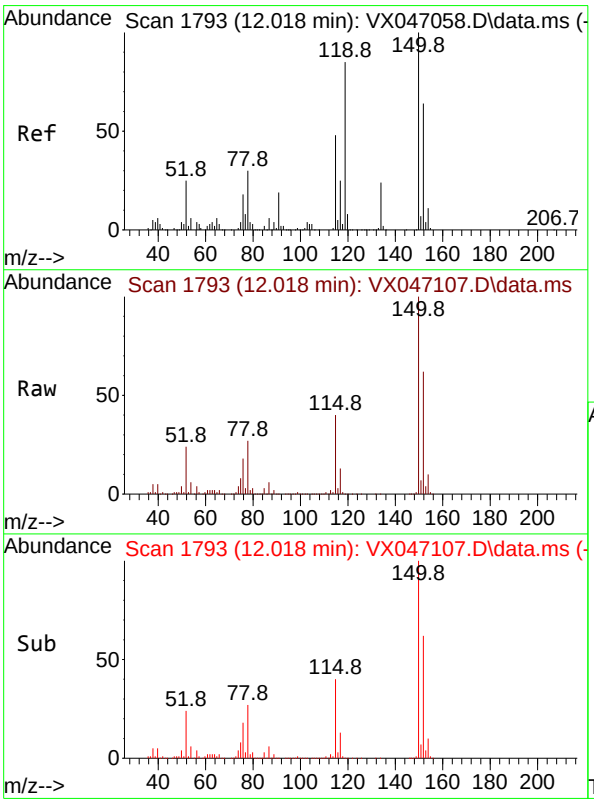
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047107.D
Acq: 24 Jul 2025 10:34

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBL01

Tgt Ion:117 Resp: 802389

Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.4	68.2
119	32.6	26.1	39.1

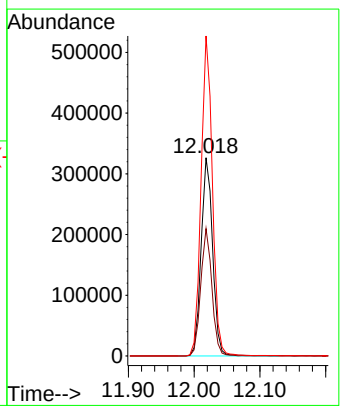




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047107.D
Acq: 24 Jul 2025 10:34

Tgt Ion:152 Resp: 396966

Ion	Ratio	Lower	Upper
152	100		
115	62.5	45.6	136.7
150	158.5	0.0	354.6



Raw Data: **VX047080.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	CC2-16 Analytical	Date Received:	
Client Sample ID:	VX0723WBS01	SDG No.:	Q2481
Lab Sample ID:	VX0723WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047080.D	1	07/23/25 11:13	VX072325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.1		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	5.00	ug/L
78-93-3	2-Butanone	88.9		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	5.00	ug/L
67-66-3	Chloroform	18.9		0.25	5.00	ug/L
71-43-2	Benzene	18.7		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.2		0.22	5.00	ug/L
79-01-6	Trichloroethene	18.0		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	18.1		0.23	5.00	ug/L
108-90-7	Chlorobenzene	18.8		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.0		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	46.9		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	361000	5.556			
540-36-3	1,4-Difluorobenzene	613000	6.763			
3114-55-4	Chlorobenzene-d5	543000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	268000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047080.D
Acq On : 23 Jul 2025 11:13
Operator : JC/MD
Sample : VX0723WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 24 05:44:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	361496	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	612680	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	542704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	268316	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	220854	49.045	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 98.080%			
35) Dibromofluoromethane	5.391	113	186492	49.299	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.600%			
50) Toluene-d8	8.647	98	574447	46.891	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.780%			
62) 4-Bromofluorobenzene	11.079	95	249887	47.332	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 94.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	94947	19.774	ug/l	99
3) Chloromethane	1.307	50	91576	19.281	ug/l	98
4) Vinyl Chloride	1.386	62	97520	19.100	ug/l	97
5) Bromomethane	1.624	94	68168	24.579	ug/l	99
6) Chloroethane	1.703	64	59366	17.704	ug/l	97
7) Trichlorofluoromethane	1.904	101	144644	18.999	ug/l	95
8) Diethyl Ether	2.148	74	50393	18.773	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	85292	18.595	ug/l	99
10) Methyl Iodide	2.465	142	69430	14.852	ug/l	98
11) Tert butyl alcohol	2.959	59	43656	75.763	ug/l	98
12) 1,1-Dichloroethene	2.337	96	84756	18.656	ug/l	98
13) Acrolein	2.245	56	121795	125.614	ug/l	99
14) Allyl chloride	2.678	41	154616	18.828	ug/l	99
15) Acrylonitrile	3.068	53	200778	93.487	ug/l	100
16) Acetone	2.386	43	155438	86.165	ug/l	99
17) Carbon Disulfide	2.526	76	241882	18.404	ug/l	98
18) Methyl Acetate	2.709	43	85906	17.920	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	252371	18.253	ug/l	99
20) Methylene Chloride	2.800	84	92754	18.690	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	87280	18.774	ug/l	99
22) Diisopropyl ether	3.770	45	301292	19.083	ug/l	90
23) Vinyl Acetate	3.727	43	1195327	94.392	ug/l	100
24) 1,1-Dichloroethane	3.623	63	164981	18.791	ug/l	99
25) 2-Butanone	4.562	43	233644	88.949	ug/l	99
26) 2,2-Dichloropropane	4.483	77	122724	18.058	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	102624	18.642	ug/l	99
28) Bromochloromethane	4.903	49	75175	18.612	ug/l	99
29) Tetrahydrofuran	5.007	42	153658	90.665	ug/l	99
30) Chloroform	5.099	83	168849	18.893	ug/l	98
31) Cyclohexane	5.483	56	155147	18.430	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	142655	18.377	ug/l	99
36) 1,1-Dichloropropene	5.696	75	118974	18.451	ug/l	98
37) Ethyl Acetate	4.721	43	98742	16.618	ug/l	100
38) Carbon Tetrachloride	5.684	117	124370	18.071	ug/l	97
39) Methylcyclohexane	7.385	83	144529	17.952	ug/l	96
40) Benzene	6.043	78	349201	18.713	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047080.D
Acq On : 23 Jul 2025 11:13
Operator : JC/MD
Sample : VX0723WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 24 05:44:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	57055	18.365	ug/l		95
42) 1,2-Dichloroethane	6.092	62	126004	19.168	ug/l		97
43) Isopropyl Acetate	6.342	43	168417	18.182	ug/l		99
44) Trichloroethene	7.129	130	86185	18.010	ug/l		98
45) 1,2-Dichloropropane	7.433	63	87148	18.646	ug/l		95
46) Dibromomethane	7.586	93	62619	19.105	ug/l		98
47) Bromodichloromethane	7.824	83	130318	18.680	ug/l		98
48) Methyl methacrylate	7.696	41	86555	17.152	ug/l		100
49) 1,4-Dioxane	7.659	88	20462	356.518	ug/l		99
51) 4-Methyl-2-Pentanone	8.567	43	509611	92.558	ug/l		98
52) Toluene	8.720	92	214294	18.676	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	119927	18.204	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	137184	19.026	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	79236	18.413	ug/l		98
56) Ethyl methacrylate	9.116	69	117380	18.425	ug/l		98
57) 1,3-Dichloropropane	9.305	76	141099	18.867	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	313215	88.354	ug/l		100
59) 2-Hexanone	9.427	43	341522	93.886	ug/l		99
60) Dibromochloromethane	9.518	129	94020	18.629	ug/l		100
61) 1,2-Dibromoethane	9.610	107	83100	18.468	ug/l		99
64) Tetrachloroethene	9.275	164	70954	18.136	ug/l		96
65) Chlorobenzene	10.079	112	238955	18.795	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	79720	18.624	ug/l		98
67) Ethyl Benzene	10.189	91	417004	18.759	ug/l		98
68) m/p-Xylenes	10.299	106	313480	37.684	ug/l		99
69) o-Xylene	10.640	106	148377	18.749	ug/l		98
70) Styrene	10.652	104	262938	19.376	ug/l		98
71) Bromoform	10.799	173	58337	17.941	ug/l	#	98
73) Isopropylbenzene	10.957	105	400473	18.918	ug/l		100
74) N-amyl acetate	10.841	43	152907	17.902	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	110786	18.322	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	91613m	18.447	ug/l		
77) Bromobenzene	11.195	156	93470	18.409	ug/l		99
78) n-propylbenzene	11.305	91	477633	18.882	ug/l		100
79) 2-Chlorotoluene	11.360	91	278245	18.401	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	326386	18.663	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	33172	17.208	ug/l		96
82) 4-Chlorotoluene	11.451	91	329898	18.691	ug/l		99
83) tert-Butylbenzene	11.713	119	327705	18.670	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	327517	18.776	ug/l		99
85) sec-Butylbenzene	11.890	105	416843	19.006	ug/l		99
86) p-Isopropyltoluene	12.006	119	344038	18.916	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	180013	18.659	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	181380	18.557	ug/l		98
89) n-Butylbenzene	12.329	91	327775	19.218	ug/l		98
90) Hexachloroethane	12.536	117	59083	18.159	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	171561	18.607	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20920	18.024	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	113441	18.621	ug/l		99
94) Hexachlorobutadiene	13.719	225	41014	19.796	ug/l		98
95) Naphthalene	13.774	128	328980	18.421	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	105785	18.025	ug/l		98

Sample Results: **VX047080.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047080.D
Acq On : 23 Jul 2025 11:13
Operator : JC/MD
Sample : VX0723WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 24 05:44:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

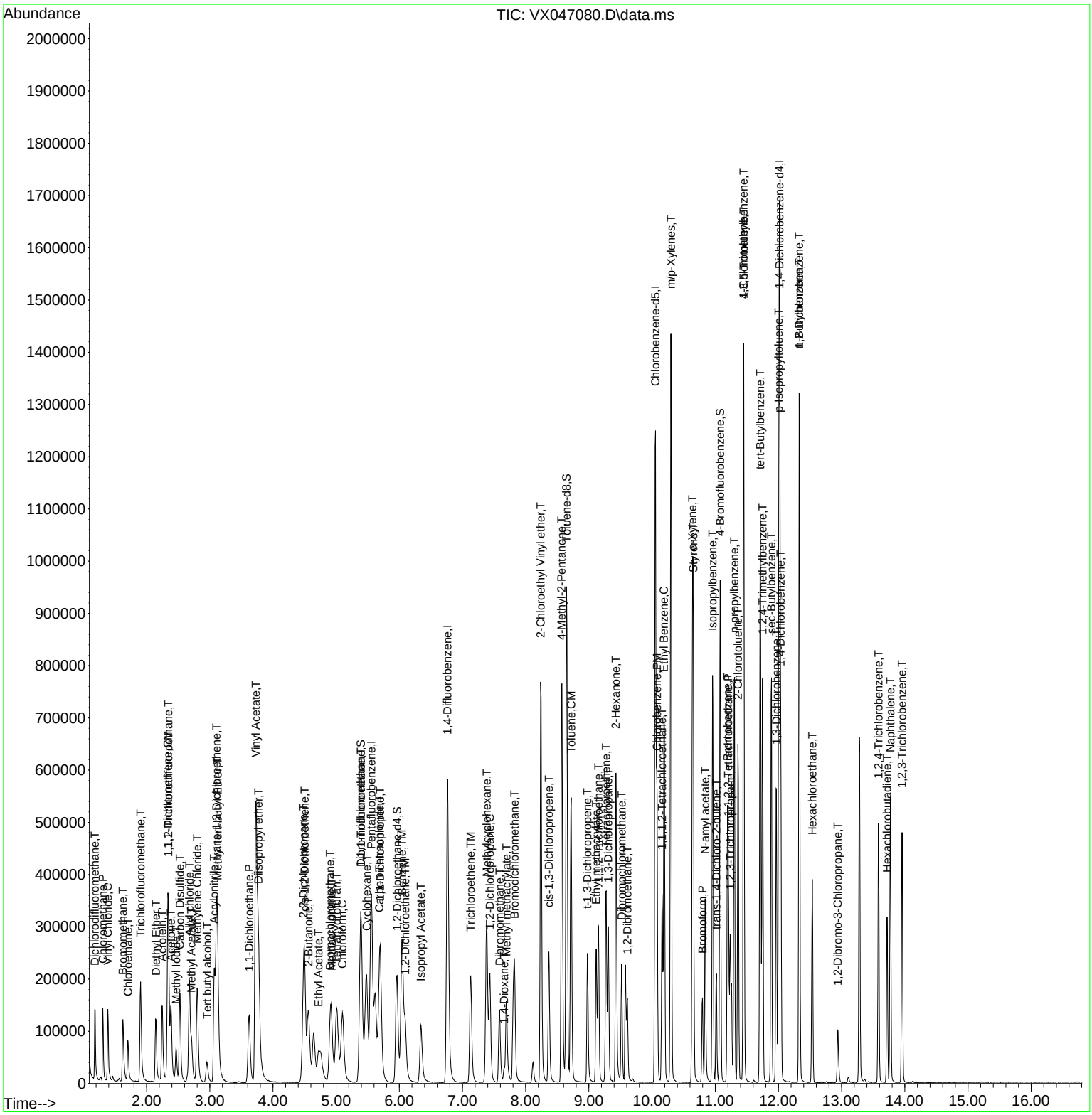
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047080.D
Acq On : 23 Jul 2025 11:13
Operator : JC/MD
Sample : VX0723WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 24 05:44:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	CC2-16 Analytical	Date Received:	
Client Sample ID:	VX0724WBS01	SDG No.:	Q2481
Lab Sample ID:	VX0724WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047108.D	1	07/24/25 10:55	VX072425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.3		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
78-93-3	2-Butanone	89.5		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.25	1.00	ug/L
67-66-3	Chloroform	19.2		0.25	1.00	ug/L
71-43-2	Benzene	19.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.6		0.090	1.00	ug/L
127-18-4	Tetrachloroethene	18.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.8		0.12	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.4		74 - 125	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.0		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		77 - 121	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	306000	5.568			
540-36-3	1,4-Difluorobenzene	520000	6.769			
3114-55-4	Chlorobenzene-d5	466000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	231000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047108.D
Acq On : 24 Jul 2025 10:55
Operator : JC/MD
Sample : VX0724WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 25 01:19:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	305867	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	519601	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	466090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	230557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	192133	50.427	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.860%			
35) Dibromofluoromethane	5.397	113	163756	51.043	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.080%			
50) Toluene-d8	8.647	98	508826	48.974	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.940%			
62) 4-Bromofluorobenzene	11.079	95	226596	50.609	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.220%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	80454	19.803	ug/l	99
3) Chloromethane	1.313	50	74329	18.496	ug/l	98
4) Vinyl Chloride	1.392	62	83578	19.347	ug/l	95
5) Bromomethane	1.630	94	46950	20.007	ug/l	94
6) Chloroethane	1.709	64	49970	17.612	ug/l	96
7) Trichlorofluoromethane	1.904	101	124311	19.298	ug/l	96
8) Diethyl Ether	2.148	74	42310	18.629	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	74425	19.177	ug/l	98
10) Methyl Iodide	2.471	142	95840	24.231	ug/l	95
11) Tert butyl alcohol	2.959	59	44632	93.779	ug/l #	94
12) 1,1-Dichloroethene	2.337	96	72256	18.798	ug/l	97
13) Acrolein	2.251	56	87354	106.478	ug/l	100
14) Allyl chloride	2.678	41	129635	18.657	ug/l	98
15) Acrylonitrile	3.081	53	168457	92.704	ug/l	99
16) Acetone	2.392	43	143828	94.230	ug/l	99
17) Carbon Disulfide	2.532	76	204121	18.356	ug/l	100
18) Methyl Acetate	2.715	43	74674	18.410	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	219380	18.753	ug/l	99
20) Methylene Chloride	2.806	84	78639	18.727	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	74571	18.958	ug/l	92
22) Diisopropyl ether	3.769	45	263031	19.690	ug/l	98
23) Vinyl Acetate	3.733	43	1043992	97.436	ug/l	99
24) 1,1-Dichloroethane	3.623	63	141222	19.011	ug/l	98
25) 2-Butanone	4.568	43	199019	89.548	ug/l	99
26) 2,2-Dichloropropane	4.489	77	107467	18.689	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	86538	18.579	ug/l	97
28) Bromochloromethane	4.910	49	77320	22.624	ug/l	98
29) Tetrahydrofuran	5.025	42	130016	90.668	ug/l	99
30) Chloroform	5.105	83	145330	19.219	ug/l	98
31) Cyclohexane	5.483	56	136429	19.154	ug/l	96
32) 1,1,1-Trichloroethane	5.397	97	124875	19.013	ug/l	99
36) 1,1-Dichloropropene	5.702	75	103830	18.986	ug/l	98
37) Ethyl Acetate	4.721	43	91669	18.192	ug/l	97
38) Carbon Tetrachloride	5.690	117	108902	18.658	ug/l	97
39) Methylcyclohexane	7.385	83	128574	18.831	ug/l	99
40) Benzene	6.050	78	300323	18.976	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047108.D
Acq On : 24 Jul 2025 10:55
Operator : JC/MD
Sample : VX0724WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 25 01:19:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	47401	17.991	ug/l		96
42) 1,2-Dichloroethane	6.098	62	109317	19.609	ug/l		99
43) Isopropyl Acetate	6.348	43	147716	18.803	ug/l		100
44) Trichloroethene	7.129	130	75415	18.583	ug/l		98
45) 1,2-Dichloropropane	7.433	63	75626	19.079	ug/l		98
46) Dibromomethane	7.586	93	53156	19.123	ug/l		99
47) Bromodichloromethane	7.824	83	114063	19.279	ug/l		99
48) Methyl methacrylate	7.696	41	76293	17.827	ug/l		99
49) 1,4-Dioxane	7.683	88	17148	352.298	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	443017	94.877	ug/l		99
52) Toluene	8.720	92	188234	19.343	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	105314	18.850	ug/l		99
54) cis-1,3-Dichloropropene	8.372	75	116557	19.061	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	68674	18.818	ug/l		98
56) Ethyl methacrylate	9.116	69	103289	19.118	ug/l		99
57) 1,3-Dichloropropane	9.311	76	121377	19.137	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	256012	85.155	ug/l		100
59) 2-Hexanone	9.433	43	299956	97.231	ug/l		100
60) Dibromochloromethane	9.518	129	82408	19.253	ug/l		99
61) 1,2-Dibromoethane	9.610	107	69828	18.299	ug/l		97
64) Tetrachloroethene	9.275	164	60989	18.152	ug/l		96
65) Chlorobenzene	10.079	112	205071	18.781	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	70137	19.079	ug/l		98
67) Ethyl Benzene	10.195	91	362428	18.984	ug/l		100
68) m/p-Xylenes	10.299	106	268945	37.644	ug/l		98
69) o-Xylene	10.640	106	130072	19.138	ug/l		100
70) Styrene	10.652	104	224215	19.239	ug/l		99
71) Bromoform	10.799	173	53141	19.030	ug/l	#	96
73) Isopropylbenzene	10.963	105	346531	19.051	ug/l		100
74) N-amyl acetate	10.841	43	132216	18.015	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	99342	19.120	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	77830m	18.238	ug/l		
77) Bromobenzene	11.195	156	82142	18.828	ug/l		99
78) n-propylbenzene	11.305	91	420847	19.362	ug/l		100
79) 2-Chlorotoluene	11.360	91	247908	19.080	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	287487	19.131	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	21060	12.714	ug/l		96
82) 4-Chlorotoluene	11.451	91	293054	19.323	ug/l		99
83) tert-Butylbenzene	11.713	119	288095	19.101	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	289908	19.342	ug/l		99
85) sec-Butylbenzene	11.890	105	359478	19.075	ug/l		99
86) p-Isopropyltoluene	12.006	119	302313	19.344	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	155793	18.794	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	158647	18.890	ug/l		98
89) n-Butylbenzene	12.329	91	286664	19.560	ug/l		98
90) Hexachloroethane	12.536	117	52011	18.603	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	145384	18.350	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.939	75	18082	18.130	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	99259	18.962	ug/l		98
94) Hexachlorobutadiene	13.725	225	35400	19.885	ug/l		97
95) Naphthalene	13.774	128	286781	18.688	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	95531	18.943	ug/l		99

Sample Results: **VX047108.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047108.D
Acq On : 24 Jul 2025 10:55
Operator : JC/MD
Sample : VX0724WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 25 01:19:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

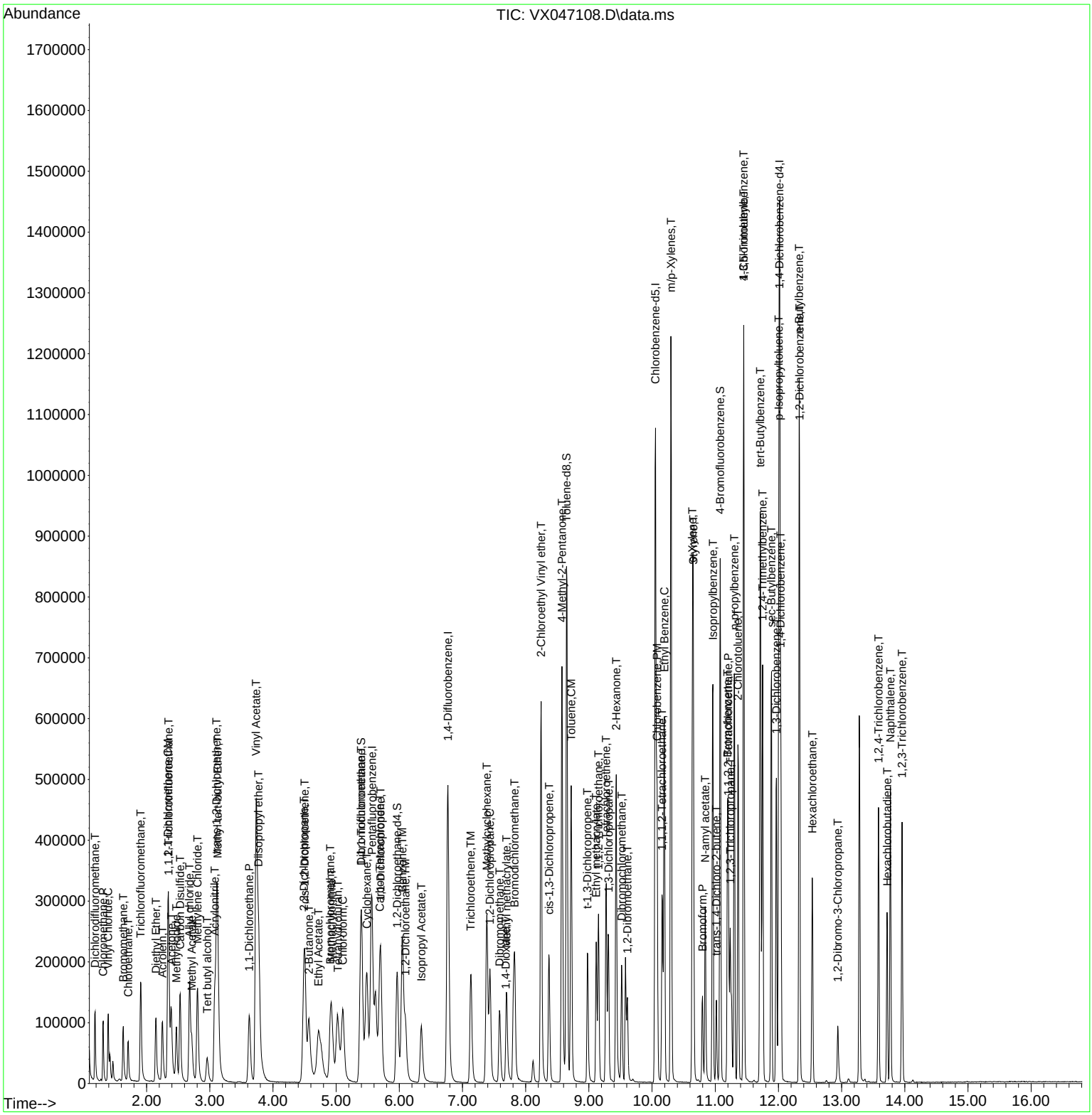
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072425\
Data File : VX047108.D
Acq On : 24 Jul 2025 10:55
Operator : JC/MD
Sample : VX0724WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 25 01:19:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0724WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/25/2025
Supervised By :Mahesh Dadoda 07/25/2025



Raw Data: **VX047088.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	CC2-16 Analytical	Date Received:	
Client Sample ID:	VX0723WBSD01	SDG No.:	Q2481
Lab Sample ID:	VX0723WBSD01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047088.D	1	07/23/25 14:07	VX072325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.5		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.2		0.23	5.00	ug/L
78-93-3	2-Butanone	95.1		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	17.9		0.25	5.00	ug/L
67-66-3	Chloroform	18.4		0.25	5.00	ug/L
71-43-2	Benzene	18.5		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.22	5.00	ug/L
79-01-6	Trichloroethene	17.9		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	18.1		0.23	5.00	ug/L
108-90-7	Chlorobenzene	18.4		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.7		74 - 125	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	46.3		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	311000	5.562			
540-36-3	1,4-Difluorobenzene	528000	6.769			
3114-55-4	Chlorobenzene-d5	477000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	242000	12.018			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047088.D
Acq On : 23 Jul 2025 14:07
Operator : JC/MD
Sample : VX0723WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 24 05:50:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	310959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	528421	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	477316	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	242466	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	184722	47.688	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.380%			
35) Dibromofluoromethane	5.397	113	158281	48.513	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.020%			
50) Toluene-d8	8.653	98	489612	46.338	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.680%			
62) 4-Bromofluorobenzene	11.079	95	226475	49.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	79075	19.145	ug/l	98
3) Chloromethane	1.306	50	74395	18.209	ug/l	98
4) Vinyl Chloride	1.386	62	81467	18.549	ug/l	99
5) Bromomethane	1.623	94	50847	21.313	ug/l	95
6) Chloroethane	1.703	64	49608	17.198	ug/l	100
7) Trichlorofluoromethane	1.904	101	120221	18.357	ug/l	97
8) Diethyl Ether	2.148	74	41985	18.183	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	72749	18.438	ug/l	99
10) Methyl Iodide	2.471	142	59787	14.868	ug/l	97
11) Tert butyl alcohol	2.958	59	39731	80.779	ug/l	99
12) 1,1-Dichloroethene	2.337	96	71271	18.238	ug/l	99
13) Acrolein	2.251	56	91416	109.605	ug/l	98
14) Allyl chloride	2.678	41	127084	17.990	ug/l	99
15) Acrylonitrile	3.074	53	178809	96.789	ug/l	98
16) Acetone	2.385	43	141628	91.269	ug/l	98
17) Carbon Disulfide	2.526	76	198337	17.544	ug/l	98
18) Methyl Acetate	2.715	43	80702	19.570	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	219572	18.462	ug/l	98
20) Methylene Chloride	2.806	84	77441	18.140	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	72646	18.166	ug/l	94
22) Diisopropyl ether	3.769	45	257385	18.951	ug/l	94
23) Vinyl Acetate	3.733	43	1039866	95.461	ug/l	99
24) 1,1-Dichloroethane	3.623	63	137126	18.157	ug/l	98
25) 2-Butanone	4.568	43	214937	95.126	ug/l	100
26) 2,2-Dichloropropane	4.489	77	99800	17.071	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	85243	18.001	ug/l	98
28) Bromochloromethane	4.915	49	61022	17.563	ug/l	100
29) Tetrahydrofuran	5.013	42	141584	97.118	ug/l	98
30) Chloroform	5.110	83	141717	18.434	ug/l	93
31) Cyclohexane	5.482	56	130935	18.082	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	122918	18.408	ug/l	100
36) 1,1-Dichloropropene	5.708	75	98516	17.714	ug/l	100
37) Ethyl Acetate	4.726	43	90681	17.695	ug/l	99
38) Carbon Tetrachloride	5.690	117	106286	17.906	ug/l	100
39) Methylcyclohexane	7.384	83	125129	18.020	ug/l	98
40) Benzene	6.049	78	298325	18.535	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047088.D
Acq On : 23 Jul 2025 14:07
Operator : JC/MD
Sample : VX0723WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 24 05:50:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	53436	19.943	ug/l		96
42) 1,2-Dichloroethane	6.098	62	106541	18.792	ug/l		98
43) Isopropyl Acetate	6.348	43	152735	19.118	ug/l		99
44) Trichloroethene	7.135	130	74000	17.930	ug/l		100
45) 1,2-Dichloropropane	7.433	63	73572	18.251	ug/l		93
46) Dibromomethane	7.586	93	52778	18.670	ug/l		98
47) Bromodichloromethane	7.823	83	110468	18.360	ug/l		98
48) Methyl methacrylate	7.695	41	78142	17.954	ug/l		100
49) 1,4-Dioxane	7.665	88	19354	390.983	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	463297	97.564	ug/l		99
52) Toluene	8.720	92	190604	19.260	ug/l		98
53) t-1,3-Dichloropropene	8.982	75	101553	17.873	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	114225	18.368	ug/l		98
55) 1,1,2-Trichloroethane	9.152	97	70374	18.962	ug/l		98
56) Ethyl methacrylate	9.116	69	106391	19.363	ug/l		98
57) 1,3-Dichloropropane	9.311	76	120987	18.757	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	273140	89.335	ug/l		99
59) 2-Hexanone	9.433	43	319474	101.829	ug/l		99
60) Dibromochloromethane	9.518	129	80178	18.420	ug/l		99
61) 1,2-Dibromoethane	9.610	107	70731	18.226	ug/l		98
64) Tetrachloroethene	9.274	164	62241	18.088	ug/l		95
65) Chlorobenzene	10.079	112	205725	18.398	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.164	131	67878	18.030	ug/l		99
67) Ethyl Benzene	10.195	91	363476	18.591	ug/l		99
68) m/p-Xylenes	10.299	106	272149	37.197	ug/l		99
69) o-Xylene	10.640	106	131522	18.896	ug/l		98
70) Styrene	10.652	104	223553	18.731	ug/l		99
71) Bromoform	10.798	173	51340	17.952	ug/l	#	99
73) Isopropylbenzene	10.963	105	345570	18.065	ug/l		99
74) N-amyl acetate	10.841	43	140993	18.267	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	100787	18.445	ug/l		100
76) 1,2,3-Trichloropropane	11.237	75	80518m	17.941	ug/l		
77) Bromobenzene	11.195	156	81431	17.748	ug/l		100
78) n-propylbenzene	11.304	91	412892	18.063	ug/l		100
79) 2-Chlorotoluene	11.359	91	246110	18.011	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	283760	17.956	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	28787	16.526	ug/l		94
82) 4-Chlorotoluene	11.451	91	291226	18.259	ug/l		99
83) tert-Butylbenzene	11.713	119	283192	17.854	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	291328	18.482	ug/l		100
85) sec-Butylbenzene	11.890	105	358758	18.102	ug/l		100
86) p-Isopropyltoluene	12.006	119	297676	18.112	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	156420	17.942	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	158970	17.998	ug/l		99
89) n-Butylbenzene	12.329	91	282987	18.360	ug/l		98
90) Hexachloroethane	12.536	117	50490	17.172	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	148759	17.854	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	19193	18.299	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	97662	17.740	ug/l		98
94) Hexachlorobutadiene	13.725	225	35054	18.723	ug/l		97
95) Naphthalene	13.774	128	300747	18.635	ug/l		100
96) 1,2,3-Trichlorobenzene	13.956	180	95863	18.076	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047088.D
Acq On : 23 Jul 2025 14:07
Operator : JC/MD
Sample : VX0723WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025

Quant Time: Jul 24 05:50:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

(#) = qualifier out of range (m) = manual integration (+) = signals summed

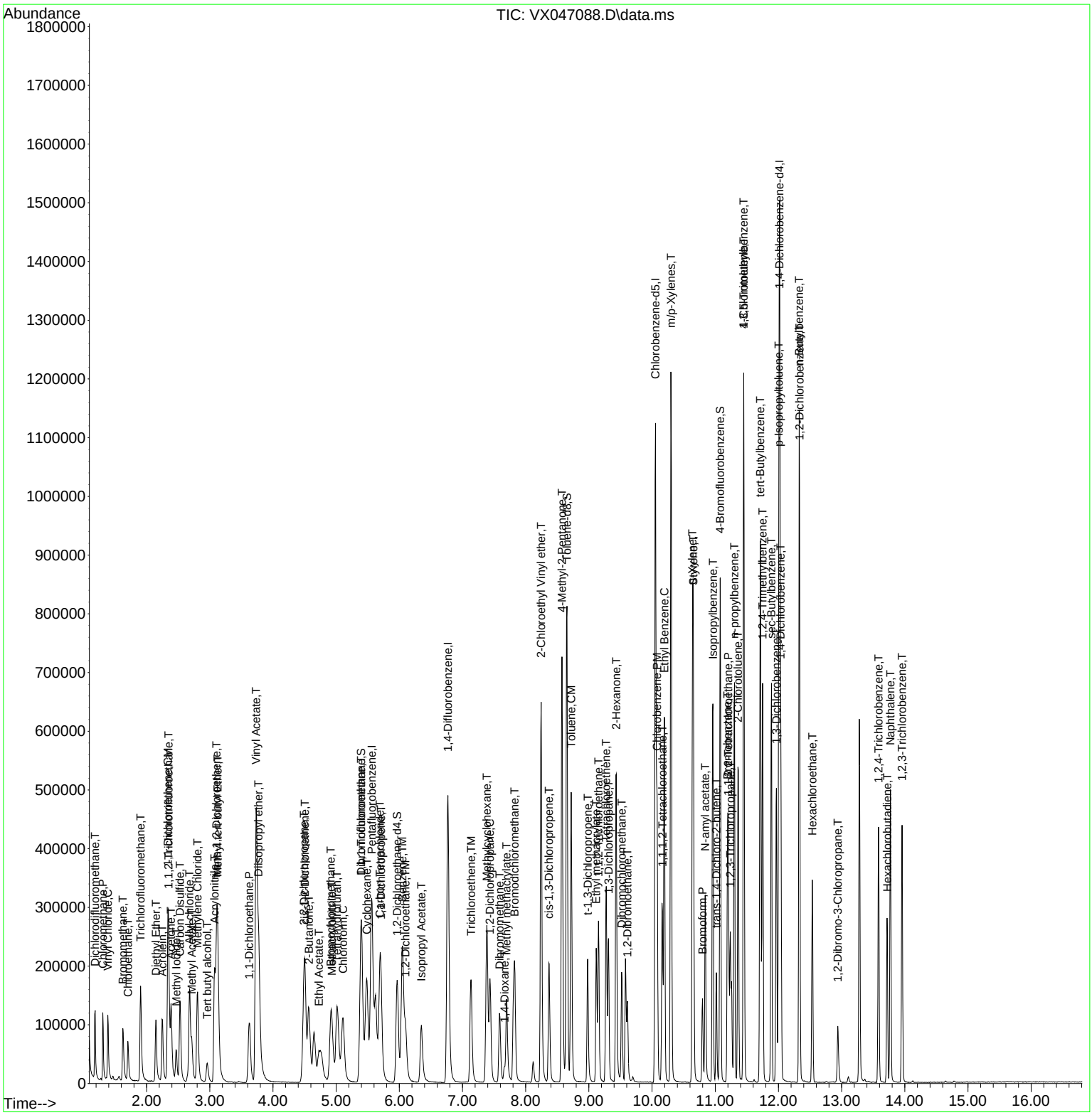
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072325\
Data File : VX047088.D
Acq On : 23 Jul 2025 14:07
Operator : JC/MD
Sample : VX0723WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Jul 24 05:50:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0723WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/24/2025
Supervised By :Mahesh Dadoda 07/24/2025



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Manual Integration Report

Sequence:	VX072125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047055.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	1,4-Dichlorobenzene	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	1,4-Dioxane	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	Ethyl Acetate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	Methyl methacrylate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC001	VX047055.D	N-amyl acetate	JOHN	7/22/2025 8:50:05 AM	MMDadoda	7/22/2025 1:41:01 PM	Peak Integrated by Software
VSTDICC005	VX047056.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:10 AM	MMDadoda	7/22/2025 1:41:02 PM	Peak Integrated by Software
VSTDICC005	VX047056.D	Ethyl Acetate	JOHN	7/22/2025 8:50:10 AM	MMDadoda	7/22/2025 1:41:02 PM	Peak Integrated by Software
VSTDICC020	VX047057.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:18 AM	MMDadoda	7/22/2025 1:41:03 PM	Peak Integrated by Software
VSTDICCC050	VX047058.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:23 AM	MMDadoda	7/22/2025 1:41:05 PM	Peak Integrated by Software
VSTDICC100	VX047059.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:28 AM	MMDadoda	7/22/2025 1:41:08 PM	Peak Integrated by Software
VSTDICC150	VX047060.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:32 AM	MMDadoda	7/22/2025 1:41:09 PM	Peak Integrated by Software
VSTDICV050	VX047062.D	1,2,3-Trichloropropane	JOHN	7/22/2025 8:50:40 AM	MMDadoda	7/22/2025 1:41:11 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX072125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VX047062.D	1,4-Dioxane	JOHN	7/22/2025 8:50:40 AM	MMDadoda	7/22/2025 1:41:11 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX072325	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047077.D	1,2,3-Trichloropropane	JOHN	7/24/2025 8:45:14 AM	MMDadoda	7/24/2025 2:22:56 PM	Peak Integrated by Software
VX0723WBS01	VX047080.D	1,2,3-Trichloropropane	JOHN	7/24/2025 8:45:21 AM	MMDadoda	7/24/2025 2:22:58 PM	Peak Integrated by Software
VX0723WBSD01	VX047088.D	1,2,3-Trichloropropane	JOHN	7/24/2025 8:45:52 AM	MMDadoda	7/24/2025 2:23:11 PM	Peak Integrated by Software
Q2481-18	VX047102.D	4-Methyl-2-Pentanone	JOHN	7/24/2025 8:46:24 AM	MMDadoda	7/24/2025 2:23:18 PM	Peak Integrated by Software
VSTDCCC050	VX047103.D	1,2,3-Trichloropropane	JOHN	7/24/2025 8:46:29 AM	MMDadoda	7/24/2025 2:23:21 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX072425	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047105.D	1,2,3-Trichloropropane	JOHN	7/25/2025 8:49:59 AM	MMDadoda	7/25/2025 4:37:50 PM	Peak Integrated by Software
VX0724WBS01	VX047108.D	1,2,3-Trichloropropane	JOHN	7/25/2025 8:50:04 AM	MMDadoda	7/25/2025 4:37:52 PM	Peak Integrated by Software
Q2481-13	VX047115.D	Acetone	JOHN	7/25/2025 8:50:13 AM	MMDadoda	7/25/2025 4:37:55 PM	Peak Integrated by Software
Q2481-13	VX047115.D	Methacrylonitrile	JOHN	7/25/2025 8:50:13 AM	MMDadoda	7/25/2025 4:37:55 PM	Peak Integrated by Software
VSTDCCC050	VX047126.D	1,2,3-Trichloropropane	JOHN	7/25/2025 8:50:26 AM	MMDadoda	7/25/2025 4:37:57 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072125

Review By	John Carlone	Review On	7/22/2025 8:51:02 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:41:20 PM		
SubDirectory	VX072125	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134843
Initial Calibration Stds	VP134844,VP134845,VP134846,VP134847,VP134848,VP134849
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134850
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047054.D	21 Jul 2025 08:53	JC/MD	Ok
2	VSTDICC001	VX047055.D	21 Jul 2025 09:47	JC/MD	Ok,M
3	VSTDICC005	VX047056.D	21 Jul 2025 10:08	JC/MD	Ok,M
4	VSTDICC020	VX047057.D	21 Jul 2025 10:29	JC/MD	Ok,M
5	VSTDICCC050	VX047058.D	21 Jul 2025 10:50	JC/MD	Ok,M
6	VSTDICC100	VX047059.D	21 Jul 2025 11:11	JC/MD	Ok,M
7	VSTDICC150	VX047060.D	21 Jul 2025 11:32	JC/MD	Ok,M
8	IBLK	VX047061.D	21 Jul 2025 11:52	JC/MD	Ok
9	VSTDICV050	VX047062.D	21 Jul 2025 13:17	JC/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072325

Review By	John Carlone	Review On	7/24/2025 8:47:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 3:06:37 PM		
SubDirectory	VX072325	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134888
Initial Calibration Stds	
CCC	VP134889,VP134890
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047076.D	23 Jul 2025 09:00	JC/MD	Ok
2	VSTDCCC050	VX047077.D	23 Jul 2025 09:30	JC/MD	Ok,M
3	VX0723MBL01	VX047078.D	23 Jul 2025 09:58	JC/MD	Ok
4	VX0723WBL01	VX047079.D	23 Jul 2025 10:45	JC/MD	Ok
5	VX0723WBS01	VX047080.D	23 Jul 2025 11:13	JC/MD	Ok,M
6	VX0723MBS01	VX047081.D	23 Jul 2025 11:41	JC/MD	Ok,M
7	PB168956TB	VX047082.D	23 Jul 2025 12:02	JC/MD	Ok,M
8	Q2668-04	VX047083.D	23 Jul 2025 12:22	JC/MD	Ok,M
9	Q2668-08	VX047084.D	23 Jul 2025 12:43	JC/MD	Ok
10	Q2668-12	VX047085.D	23 Jul 2025 13:04	JC/MD	Ok
11	Q2672-01	VX047086.D	23 Jul 2025 13:25	JC/MD	Ok,M
12	Q2672-03	VX047087.D	23 Jul 2025 13:46	JC/MD	Ok
13	VX0723WBSD01	VX047088.D	23 Jul 2025 14:07	JC/MD	Ok,M
14	Q2660-03	VX047089.D	23 Jul 2025 14:28	JC/MD	Not Ok
15	IBLK	VX047090.D	23 Jul 2025 14:49	JC/MD	Ok
16	Q2660-03	VX047091.D	23 Jul 2025 15:10	JC/MD	Ok,M
17	Q2481-15	VX047092.D	23 Jul 2025 15:31	JC/MD	Not Ok
18	Q2481-21	VX047093.D	23 Jul 2025 15:52	JC/MD	Not Ok
19	Q2481-16	VX047094.D	23 Jul 2025 16:13	JC/MD	Not Ok
20	Q2481-20	VX047095.D	23 Jul 2025 16:34	JC/MD	Not Ok
21	Q2481-14	VX047096.D	23 Jul 2025 16:54	JC/MD	Not Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072325

Review By	John Carlone	Review On	7/24/2025 8:47:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 3:06:37 PM		
SubDirectory	VX072325	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134888
Initial Calibration Stds	
CCC	VP134889,VP134890
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2481-12	VX047097.D	23 Jul 2025 17:15	JC/MD	Not Ok
23	PB168966TB	VX047098.D	23 Jul 2025 17:36	JC/MD	Ok,M
24	Q2481-19	VX047099.D	23 Jul 2025 17:57	JC/MD	Not Ok
25	Q2481-13	VX047100.D	23 Jul 2025 18:18	JC/MD	Not Ok
26	Q2481-17	VX047101.D	23 Jul 2025 18:39	JC/MD	Not Ok
27	Q2481-18	VX047102.D	23 Jul 2025 19:00	JC/MD	Ok,M
28	VSTDCCC050	VX047103.D	23 Jul 2025 19:21	JC/MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072425

Review By	John Carlone	Review On	7/25/2025 8:51:46 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/25/2025 4:38:01 PM		
SubDirectory	VX072425	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134905
Initial Calibration Stds	
CCC	VP134906,VP134907
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047104.D	24 Jul 2025 09:12	JC/MD	Ok
2	VSTDCCC050	VX047105.D	24 Jul 2025 09:44	JC/MD	Ok,M
3	VX0724MBL01	VX047106.D	24 Jul 2025 10:13	JC/MD	Ok
4	VX0724WBL01	VX047107.D	24 Jul 2025 10:34	JC/MD	Ok
5	VX0724WBS01	VX047108.D	24 Jul 2025 10:55	JC/MD	Ok,M
6	VX0724WBSD01	VX047109.D	24 Jul 2025 11:21	JC/MD	Ok,M
7	Q2682-01	VX047110.D	24 Jul 2025 11:42	JC/MD	Ok
8	Q2682-02	VX047111.D	24 Jul 2025 12:03	JC/MD	ReRun
9	IBLK	VX047112.D	24 Jul 2025 12:24	JC/MD	Ok
10	Q2682-02	VX047113.D	24 Jul 2025 12:45	JC/MD	Ok
11	Q2481-14	VX047114.D	24 Jul 2025 13:06	JC/MD	Ok
12	Q2481-13	VX047115.D	24 Jul 2025 13:26	JC/MD	Ok,M
13	IBLK	VX047116.D	24 Jul 2025 13:47	JC/MD	Ok
14	Q2481-12	VX047117.D	24 Jul 2025 14:08	JC/MD	Ok
15	Q2481-15	VX047118.D	24 Jul 2025 14:29	JC/MD	Ok
16	Q2481-16	VX047119.D	24 Jul 2025 14:50	JC/MD	Ok
17	Q2481-21	VX047120.D	24 Jul 2025 15:12	JC/MD	Ok
18	Q2481-19	VX047121.D	24 Jul 2025 15:33	JC/MD	Ok
19	Q2481-20	VX047122.D	24 Jul 2025 15:54	JC/MD	Ok
20	Q2481-17	VX047123.D	24 Jul 2025 16:15	JC/MD	Ok
21	IBLK	VX047124.D	24 Jul 2025 16:37	JC/MD	Ok

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072425

Review By	John Carlone	Review On	7/25/2025 8:51:46 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/25/2025 4:38:01 PM		
SubDirectory	VX072425	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134905
Initial Calibration Stds	
CCC	VP134906,VP134907
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	IBLK	VX047125.D	24 Jul 2025 16:58	JC/MD	Ok
23	VSTDCCC050	VX047126.D	24 Jul 2025 17:19	JC/MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072125

Review By	John Carlone	Review On	7/22/2025 8:51:02 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:41:20 PM		
SubDirectory	VX072125	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134843
Initial Calibration Stds	VP134844,VP134845,VP134846,VP134847,VP134848,VP134849
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134850
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047054.D	21 Jul 2025 08:53		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047055.D	21 Jul 2025 09:47		JC/MD	Ok,M
3	VSTDICC005	VSTDICC005	VX047056.D	21 Jul 2025 10:08	Comp. #11 is on Linear Regression	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047057.D	21 Jul 2025 10:29		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047058.D	21 Jul 2025 10:50		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047059.D	21 Jul 2025 11:11		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047060.D	21 Jul 2025 11:32		JC/MD	Ok,M
8	IBLK	IBLK	VX047061.D	21 Jul 2025 11:52		JC/MD	Ok
9	VSTDICV050	ICVVX072125	VX047062.D	21 Jul 2025 13:17		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072325

Review By	John Carlone	Review On	7/24/2025 8:47:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 3:06:37 PM		
SubDirectory	VX072325	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134888
Initial Calibration Stds	
CCC	VP134889,VP134890
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047076.D	23 Jul 2025 09:00		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047077.D	23 Jul 2025 09:30	pH#Lot#V12668	JC/MD	Ok,M
3	VX0723MBL01	VX0723MBL01	VX047078.D	23 Jul 2025 09:58		JC/MD	Ok
4	VX0723WBL01	VX0723WBL01	VX047079.D	23 Jul 2025 10:45		JC/MD	Ok
5	VX0723WBS01	VX0723WBS01	VX047080.D	23 Jul 2025 11:13		JC/MD	Ok,M
6	VX0723MBS01	VX0723MBS01	VX047081.D	23 Jul 2025 11:41		JC/MD	Ok,M
7	PB168956TB	PB168956TB	VX047082.D	23 Jul 2025 12:02		JC/MD	Ok,M
8	Q2668-04	TP-2	VX047083.D	23 Jul 2025 12:22	vial A pH#5.0	JC/MD	Ok,M
9	Q2668-08	TP-3	VX047084.D	23 Jul 2025 12:43	vial A pH#5.0	JC/MD	Ok
10	Q2668-12	TP-1	VX047085.D	23 Jul 2025 13:04	vial A pH#5.0	JC/MD	Ok
11	Q2672-01	AUD-25-0124	VX047086.D	23 Jul 2025 13:25	vial A pH#5.0	JC/MD	Ok,M
12	Q2672-03	AUD-25-0128	VX047087.D	23 Jul 2025 13:46	vial A pH#5.0	JC/MD	Ok
13	VX0723WBSD01	VX0723WBSD01	VX047088.D	23 Jul 2025 14:07		JC/MD	Ok,M
14	Q2660-03	MOO-25-0218	VX047089.D	23 Jul 2025 14:28	Run @ Lower Dilution	JC/MD	Not Ok
15	IBLK	IBLK	VX047090.D	23 Jul 2025 14:49		JC/MD	Ok
16	Q2660-03	MOO-25-0218	VX047091.D	23 Jul 2025 15:10	cloth material	JC/MD	Ok,M
17	Q2481-15	CC0627-AOXL	VX047092.D	23 Jul 2025 15:31	Need Straight Run	JC/MD	Not Ok
18	Q2481-21	CC0627-SFBL	VX047093.D	23 Jul 2025 15:52	Surrogate fail;Need Straight Run	JC/MD	Not Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072325

Review By	John Carlone	Review On	7/24/2025 8:47:51 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/24/2025 3:06:37 PM		
SubDirectory	VX072325	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134888
Initial Calibration Stds	
CCC	VP134889,VP134890
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2481-16	CC0625-NL	VX047094.D	23 Jul 2025 16:13	Need Straight Run	JC/MD	Not Ok
20	Q2481-20	CC0627-BL	VX047095.D	23 Jul 2025 16:34	Need Straight Run	JC/MD	Not Ok
21	Q2481-14	CC0625-OXBL	VX047096.D	23 Jul 2025 16:54	Need Straight Run	JC/MD	Not Ok
22	Q2481-12	CC0627-AL	VX047097.D	23 Jul 2025 17:15	Need Straight Run	JC/MD	Not Ok
23	PB168966TB	PB168966TB	VX047098.D	23 Jul 2025 17:36		JC/MD	Ok,M
24	Q2481-19	CC0627-CLOXAL	VX047099.D	23 Jul 2025 17:57	Need Straight Run	JC/MD	Not Ok
25	Q2481-13	CC0627-CLOXPL	VX047100.D	23 Jul 2025 18:18	Need Straight Run	JC/MD	Not Ok
26	Q2481-17	CC0267-OXPL	VX047101.D	23 Jul 2025 18:39	Need Straight Run	JC/MD	Not Ok
27	Q2481-18	CC0627-OXL	VX047102.D	23 Jul 2025 19:00	vial A pH<2	JC/MD	Ok,M
28	VSTDCCC050	VSTDCCC050EC	VX047103.D	23 Jul 2025 19:21		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072425

Review By	John Carlone	Review On	7/25/2025 8:51:46 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/25/2025 4:38:01 PM		
SubDirectory	VX072425	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134905
Initial Calibration Stds	
CCC	VP134906,VP134907
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047104.D	24 Jul 2025 09:12		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047105.D	24 Jul 2025 09:44	pH#Lot#V12668	JC/MD	Ok,M
3	VX0724MBL01	VX0724MBL01	VX047106.D	24 Jul 2025 10:13		JC/MD	Ok
4	VX0724WBL01	VX0724WBL01	VX047107.D	24 Jul 2025 10:34		JC/MD	Ok
5	VX0724WBS01	VX0724WBS01	VX047108.D	24 Jul 2025 10:55		JC/MD	Ok,M
6	VX0724WBSD01	VX0724WBSD01	VX047109.D	24 Jul 2025 11:21		JC/MD	Ok,M
7	Q2682-01	TOWER-1	VX047110.D	24 Jul 2025 11:42	vial A pH<2	JC/MD	Ok
8	Q2682-02	TOWER-2	VX047111.D	24 Jul 2025 12:03	vial A pH<2 Surrogate Fail	JC/MD	ReRun
9	IBLK	IBLK	VX047112.D	24 Jul 2025 12:24		JC/MD	Ok
10	Q2682-02	TOWER-2	VX047113.D	24 Jul 2025 12:45	vial B pH<2	JC/MD	Ok
11	Q2481-14	CC0625-OXBL	VX047114.D	24 Jul 2025 13:06	vial A pH#6.0 Surrogate Fail	JC/MD	Ok
12	Q2481-13	CC0627-CLOXPL	VX047115.D	24 Jul 2025 13:26	vial A pH<2	JC/MD	Ok,M
13	IBLK	IBLK	VX047116.D	24 Jul 2025 13:47		JC/MD	Ok
14	Q2481-12	CC0627-AL	VX047117.D	24 Jul 2025 14:08	vial A pH<2	JC/MD	Ok
15	Q2481-15	CC0627-AOXL	VX047118.D	24 Jul 2025 14:29	vial A pH<2 Surrogate Fail	JC/MD	Ok
16	Q2481-16	CC0625-NL	VX047119.D	24 Jul 2025 14:50	vial A pH#6.0	JC/MD	Ok
17	Q2481-21	CC0627-SFBL	VX047120.D	24 Jul 2025 15:12	vial A pH#6.0 Surrogate Fail;Internal Standard Fail	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072425

Review By	John Carlone	Review On	7/25/2025 8:51:46 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/25/2025 4:38:01 PM		
SubDirectory	VX072425	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134905
Initial Calibration Stds	
CCC	VP134906,VP134907
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2481-19	CC0627-CLOXAL	VX047121.D	24 Jul 2025 15:33	vial A pH<2	JC/MD	Ok
19	Q2481-20	CC0627-BL	VX047122.D	24 Jul 2025 15:54	vial A pH#6.0 Surrogate Fail;Internal Standard Fail	JC/MD	Ok
20	Q2481-17	CC0267-OXPL	VX047123.D	24 Jul 2025 16:15	vial A pH<2	JC/MD	Ok
21	IBLK	IBLK	VX047124.D	24 Jul 2025 16:37		JC/MD	Ok
22	IBLK	IBLK	VX047125.D	24 Jul 2025 16:58		JC/MD	Ok
23	VSTDCCC050	VSTDCCC050EC	VX047126.D	24 Jul 2025 17:19		JC/MD	Ok,M

M : Manual Integration

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TCLP EXTRACTION LOGPAGE

PB168966

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : N/A

Balance ID : N/A

pH Meter ID : WC PH METER-1

Extraction By : N/A

Filter By : N/A

Pippete ID : N/A

Tumbler ID : N/A

TCLP Filter ID : N/A

Start Prep Date : N/A **Time :** N/A

End Prep Date : N/A **Time :** N/A

Combination Ratio : N/A

ZHE Cleaning Batch : N/A

Initial Room Temperature: N/A

Final Room Temperature: N/A

TCLP Technician Signature :

Supervisor By :

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

We receive water sample in 40 ml vial tr to VOC LAB without fiftration and tumbling.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/23/25 11:00	SB Prep Room	S.Y VOC Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168966

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168966TB	LEB966	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q2481-12	CC0627-AL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q2481-13	CC0627-CLOXPL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q2481-14	CC0625-OXBL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q2481-15	CC0627-AOXL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q2481-16	CC0625-NL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q2481-17	CC0267-OXPL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q2481-18	CC0627-OXL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q2481-19	CC0627-CLOXAL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q2481-20	CC0627-BL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Q2481-21	CC0627-SFBL	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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TCLP Solid Determination

PB168966

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168966TB	LEB966	N/A	N/A	N/A	N/A	N/A	N/A
Q2481-12	CC0627-AL	N/A	N/A	N/A	N/A	<0.5	N/A
Q2481-13	CC0627-CLOXPL	N/A	N/A	N/A	N/A	<0.5	N/A
Q2481-14	CC0625-OXBL	N/A	N/A	N/A	N/A	<0.5	N/A
Q2481-15	CC0627-AOXL	N/A	N/A	N/A	N/A	<0.5	N/A
Q2481-16	CC0625-NL	N/A	N/A	N/A	N/A	<0.5	N/A
Q2481-17	CC0267-OXPL	N/A	N/A	N/A	N/A	<0.5	N/A
Q2481-18	CC0627-OXL	N/A	N/A	N/A	N/A	<0.5	N/A
Q2481-19	CC0627-CLOXAL	N/A	N/A	N/A	N/A	<0.5	N/A
Q2481-20	CC0627-BL	N/A	N/A	N/A	N/A	<0.5	N/A
Q2481-21	CC0627-SFBL	N/A	N/A	N/A	N/A	<0.5	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe w q2481 **WorkList ID :** 190884 **Department :** TCLP Extraction **Date :** 07-22-2025 15:40:26

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2481-12	CC0627-AL	Water	TCLP ZHE Extraction	Cool 4 deg C	ENVI60	A13	06/27/2025	1311 ZHE
Q2481-13	CC0627-CLOXPL	Water	TCLP ZHE Extraction	Cool 4 deg C	ENVI60	A13	06/27/2025	1311 ZHE
Q2481-14	CC0625-OXBL	Water	TCLP ZHE Extraction	Cool 4 deg C	ENVI60	A13	06/27/2025	1311 ZHE
Q2481-15	CC0627-AOXL	Water	TCLP ZHE Extraction	Cool 4 deg C	ENVI60	A13	06/27/2025	1311 ZHE
Q2481-16	CC0625-NL	Water	TCLP ZHE Extraction	Cool 4 deg C	ENVI60	A13	06/27/2025	1311 ZHE
Q2481-17	CC0267-OXPL	Water	TCLP ZHE Extraction	Cool 4 deg C	ENVI60	A13	06/27/2025	1311 ZHE
Q2481-18	CC0627-OXL	Water	TCLP ZHE Extraction	Cool 4 deg C	ENVI60	A13	06/27/2025	1311 ZHE
Q2481-19	CC0627-CLOXAL	Water	TCLP ZHE Extraction	Cool 4 deg C	ENVI60	A13	06/27/2025	1311 ZHE
Q2481-20	CC0627-BL	Water	TCLP ZHE Extraction	Cool 4 deg C	ENVI60	A13	06/27/2025	1311 ZHE
Q2481-21	CC0627-SFBL	Water	TCLP ZHE Extraction	Cool 4 deg C	ENVI60	A13	06/27/2025	1311 ZHE

Date/Time 07/22/25 16:00

Raw Sample Received by: SP (WC)

Raw Sample Relinquished by: OP SM

Date/Time 07/22/25 18:00

Raw Sample Received by: OP SM

Raw Sample Relinquished by: SP (WC)

SHIPPING DOCUMENTS

1072

Alliance TECHNICAL GROUP

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www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2483

COC Number: CC-016-001

CLIENT INFORMATION		PROJECT INFORMATION		BILLING INFORMATION	
COMPANY:	ENVIRONMENTAL RESTORATION LLC	PROJECT NAME:	COOPER CHEMICAL	BILL TO:	ENVIRONMENTAL RESTORATION PO# CC2-16
ADDRESS:	1666 FABICK DR	PROJECT #:	CC2-16 LOCATION: LANE ALLEY, NJ	ADDRESS:	1666 FABICK DR
CITY:	FENTON STATE: MO ZIP: 63026	PROJECT MANAGER:	Byron Hartman	CITY:	FENTON STATE: MO ZIP: 63026
ATTENTION:	Ryan Simpson	E-MAIL:	b.hartman@erllc.com	ATTENTION:	RYAN SIMPSON PHONE: 314 403 3908
PHONE:	314 403 3908 FAX:	PHONE:	801 209-0368 FAX:		

DATA TURNAROUND INFORMATION

FAX:_____ DAYS*
HARD COPY:_____ DAYS*
EDD 7 DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ EDD Format_____
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other_____

ANALYSIS

1	2	3	4	5	6	7	8	9
FLASHPOINT	pH	Reactive CN	Reactive Sulfide	Total Halogens	Total Organic Halogens	TCLP Metals	TCLP VOC's	TCLP SVOC's

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9
1.	CC0627-AL	LIQUID		X	6/27/25	10:19		✓	✓	✓	✓	✓	✓	✓	✓	✓
2.	CC0627-CLOXPL	LIQUID		X	6/27/25	10:21										
3.	CC0625-OXBL	LIQUID		X	6/27/25	10:23										
4.	CC0627-AOXL	LIQUID		X	6/27/25	10:25										
5.	CC0625-NL	LIQUID		X	6/27/25	10:27										
6.	CC0267-OXPL	LIQUID		X	6/27/25	10:29										
7.	CC0627-OXL	LIQUID		X	6/27/25	10:31										
8.	CC0627-CLOXAL	LIQUID		X	6/27/25	10:33										
9.	CC0627-BL	LIQUID		X	6/27/25	10:35										
10.	CC0627-SFBL	LIQUID		X	6/27/25	10:37										

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. Jabel Sange	6/27/25 12:00	1.
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 21°
☐ Ice in Cooler?: no
MeOH extraction requires an additional 4oz. Jar for percent solid
Comments:

Page_____of_____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

ALLIANCE is authorized to split bulk sample and add preservative as needed for testing

Byron Hartman Project Mgr. Environmental Restoration

2 of 2

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2489

COC Number:

CLIENT INFORMATION

COMPANY:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION:
PHONE: FAX:

PROJECT INFORMATION

PROJECT NAME:
PROJECT #: LOCATION:
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILLING INFORMATION

BILL TO: PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: DAYS*
HARD COPY: DAYS*
EDD 7 days DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ RESEULTS ONLY
- ☐ RESULTS + QC
- ☐ New Jersey REDUCED
- ☐ New Jersey CLP
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

1	2	3	4	5	6	7	8	9
TCLP Pest (HBL)	Peroxides	OXIDIZER						

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	CC 0627 - AL	L		X	6/27/25	10:19		X	X	X							
2.	CC 0627 - CLOXPL	L		X	6/27/25	10:21											
3.	CC 0625 - OXBL	L		X	6/27/25	10:23											
4.	CC 0627 - AOXL	L		X	6/27/25	10:25											
5.	CC 0625 - NL	L		X	6/27/25	10:27											
6.	CC 0627 - OXPL	L		X	6/27/25	10:29											
7.	CC 0627 - OXL	L		X	6/27/25	10:31											
8.	CC 0627 - CLOXAL	L		X	6/27/25	10:33											
9.	CC 0627 - BL	L		X	6/27/25	10:35											
10.	CC 0627 - SFBL	L		X	6/27/25	10:37											

PRESERVATIVES

COMMENTS

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1.	6/27/25 1200	1. C Pena
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 21°C
MeOH extraction requires an additional 4oz. Jar for percent solid ☐ Ice in Cooler?: no
Comments:

Page ____ of ____

SHIPPED VIA: CLIENT: ☐ Hand Delivered ☐ Overnight
ALLIANCE: ☐ Picked Up ☐ Overnight

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148