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Cover Page

Order ID : Q2903

Project ID : National Grid Equity - Brooklyn NY

Client : AECOM

Lab Sample Number	Client Sample Number
Q2903-01	MW-6A-081925
Q2903-02	MW-1C-081925
Q2903-03	MW-6B-081925
Q2903-04	MW-1B-081925
Q2903-05	Q2903-03MS
Q2903-06	Q2903-03MSD
Q2903-07	MW-12B-081925
Q2903-08	MW-18B-081925
Q2903-09	DUP-02-081925
Q2903-10	MW-17A-081925
Q2903-11	MW-18A-081925
Q2903-12	MW-16B-081925
Q2903-13	TB

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: 8/29/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

AECOM
Project Name: National Grid Equity - Brooklyn NY
Project # N/A
Order ID # Q2903
Test Name: VOC-TCLVOA-10

A. Number of Samples and Date of Receipt:
13 Water samples were received on 08/19/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10. This data package contains results for VOC-TCLVOA-10.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UI. The analysis of VOC-TCLVOA-10 was based on method 8260D.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries were met for all analysis except for MW-1C-081925 [1,2-Dichloroethane-d4 - 130%], MW-1C-081925RE [1,2-Dichloroethane-d4 - 132%, 4-Bromofluorobenzene - 124%], All the failure samples in surrogates was reanalyzed to confirm the failure as per method and reported, MW-6B-081925MS [1,2-Dichloroethane-d4 - 131%], MW-6B-081925MSD [1,2-Dichloroethane-d4 - 146%, 4-Bromofluorobenzene - 130%, Dibromofluoromethane - 128%, Toluene-d8 - 122%]Surrogate failing for MS-MSD but Original sample passing for that therefore no corrective action taken and MW-12B-081925 [4-Bromofluorobenzene - 123%]Due to high concentration of compounds, this sample required dilution. Therefore, sample was reanalyzed with dilution and reported.

The Internal Standards Areas were met for all analysis.
The Retention Times were met for all analysis.

The MS {Q2903-05MS} with File ID: VX047507.D recoveries met the requirements for all compounds except for 1,3-Dichlorobenzene[83%] due to matrix interference.

The MSD {Q2903-06MSD} with File ID: VX047508.D recoveries met the requirements for all compounds except for 2-Butanone[140%], Bromochloromethane[137%],

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Chloroform[122%], Methyl Acetate[147%] and Methylene Chloride[119%]due to matrix interference.

The RPD for {Q2903-06MSD} with File ID: VX047508.D met criteria except for Bromomethane[25%]due to difference in results of MS-MSD.

The Blank Spike for {VX0825WBS01} with File ID: VX047514.D met requirements for all compounds except for Bromochloromethane[138%]failing high but no positive hit in associated sample therefore no corrective action taken.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

The Continuous Calibration File ID VX047511.D met the requirements except for 2-Butanone and Methyl Acetate failing high but no positive hit in associated sample therefore no corrective action taken.

The Tuning criteria met requirements.

Sample MW-12B-081925 was diluted due to high concentration.

E. Additional Comments:
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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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 #: **Q2903**

	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:** **08/29/2025**

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LAB CHRONICLE

OrderID:	Q2903	**OrderDate:**	8/19/2025 3:36:00 PM
Client:	AECOM	**Project:**	National Grid Equity - Brooklyn NY
Contact:	Peter S	**Location:**	J11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2903-01	**MW-6A-081925**	**Water**			**08/19/25**			**08/19/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2903-02	**MW-1C-081925**	**Water**			**08/19/25**			**08/19/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2903-02RE	**MW-1C-081925RE**	**Water**			**08/19/25**			**08/19/25**
			VOC-TCLVOA-10	8260D			08/22/25	
Q2903-03	**MW-6B-081925**	**Water**			**08/19/25**			**08/19/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2903-04	**MW-1B-081925**	**Water**			**08/19/25**			**08/19/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2903-07	**MW-12B-081925**	**Water**			**08/19/25**			**08/19/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2903-07DL	**MW-12B-081925DL**	**Water**			**08/19/25**			**08/19/25**
			VOC-TCLVOA-10	8260D			08/22/25	
Q2903-08	**MW-18B-081925**	**Water**			**08/19/25**			**08/19/25**
			VOC-TCLVOA-10	8260D			08/21/25	
Q2903-09	**DUP-02-081925**	**Water**			**08/19/25**			**08/19/25**
			VOC-TCLVOA-10	8260D			08/22/25	
Q2903-10	**MW-17A-081925**	**Water**			**08/19/25**			**08/19/25**
			VOC-TCLVOA-10	8260D			08/22/25	
Q2903-11	**MW-18A-081925**	**Water**			**08/19/25**			**08/19/25**
			VOC-TCLVOA-10	8260D			08/22/25	
Q2903-12	**MW-16B-081925**	**Water**			**08/19/25**			**08/19/25**

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LAB CHRONICLE

			VOC-TCLVOA-10	8260D		08/22/25	
Q2903-13	**TB**	**Water**			**08/19/25**		**08/19/25**
			VOC-TCLVOA-10	8260D		08/25/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2903

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-6A-081925**								
Q2903-01	MW-6A-081925	Water	Acetone		3.60	J	1.50	25.0	ug/L
Q2903-01	MW-6A-081925	Water	Carbon Disulfide		0.45	J	0.21	5.00	ug/L
Q2903-01	MW-6A-081925	Water	Methylcyclohexane		1.00	J	0.16	5.00	ug/L
			Total Voc :		5.05				
Q2903-01	MW-6A-081925	Water	Sulfur dioxide	*	88.3	J	0	0	ug/L
			Total Tics :		88.3				
			Total Concentration:		93.3				
Client ID:	**MW-1C-081925**								
Q2903-02	MW-1C-081925	Water	Acetone		2.40	J	1.50	25.0	ug/L
Q2903-02	MW-1C-081925	Water	Carbon Disulfide		0.54	J	0.21	5.00	ug/L
Q2903-02	MW-1C-081925	Water	trans-1,2-Dichloroethene		6.90		0.23	5.00	ug/L
Q2903-02	MW-1C-081925	Water	cis-1,2-Dichloroethene		13.9		0.19	5.00	ug/L
Q2903-02	MW-1C-081925	Water	1,2-Dichloroethane		0.36	J	0.22	5.00	ug/L
Q2903-02	MW-1C-081925	Water	Trichloroethene		9.70		0.090	5.00	ug/L
Q2903-02	MW-1C-081925	Water	Toluene		0.81	J	0.14	5.00	ug/L
Q2903-02	MW-1C-081925	Water	Tetrachloroethene		36.9		0.23	5.00	ug/L
Q2903-02	MW-1C-081925	Water	Ethyl Benzene		9.60		0.13	5.00	ug/L
Q2903-02	MW-1C-081925	Water	m/p-Xylenes		1.90	J	0.24	10.0	ug/L
Q2903-02	MW-1C-081925	Water	o-Xylene		3.50	J	0.12	5.00	ug/L
Q2903-02	MW-1C-081925	Water	Isopropylbenzene		2.00	J	0.12	5.00	ug/L
			Total Voc :		88.5				
Q2903-02	MW-1C-081925	Water	Indene	*	8.90	J	0	0	ug/L
Q2903-02	MW-1C-081925	Water	Benzene, 1,2,3-trimethyl-	*	8.10	J	0	0	ug/L
Q2903-02	MW-1C-081925	Water	o-Cymene	*	8.80	J	0	0	ug/L
Q2903-02	MW-1C-081925	Water	Naphthalene, 2,3-dimethyl-	*	9.90	J	0	0	ug/L
Q2903-02	MW-1C-081925	Water	Benzene, cyclopropyl-	*	9.10	J	0	0	ug/L
Q2903-02	MW-1C-081925	Water	2-Methylindene	*	15.0	J	0	0	ug/L
Q2903-02	MW-1C-081925	Water	Sulfur dioxide	*	73.9	J	0	0	ug/L
Q2903-02	MW-1C-081925	Water	n-propylbenzene	*	1.40	J	0.13	5.00	ug/L
Q2903-02	MW-1C-081925	Water	1,3,5-Trimethylbenzene	*	0.71	J	0.15	5.00	ug/L
Q2903-02	MW-1C-081925	Water	1,2,4-Trimethylbenzene	*	7.10	J	0.14	5.00	ug/L
			Total Tics :		143				
			Total Concentration:		231				
Client ID:	**MW-1C-081925RE**								
Q2903-02RE	MW-1C-081925RE	Water	Acetone		3.50	J	1.50	25.0	ug/L
Q2903-02RE	MW-1C-081925RE	Water	Carbon Disulfide		0.36	J	0.21	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2903

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2903-02RE	MW-1C-081925RE	Water	trans-1,2-Dichloroethene		6.90		0.23	5.00	ug/L
Q2903-02RE	MW-1C-081925RE	Water	cis-1,2-Dichloroethene		15.1		0.19	5.00	ug/L
Q2903-02RE	MW-1C-081925RE	Water	1,2-Dichloroethane		0.39	J	0.22	5.00	ug/L
Q2903-02RE	MW-1C-081925RE	Water	Trichloroethene		10.9		0.090	5.00	ug/L
Q2903-02RE	MW-1C-081925RE	Water	Toluene		0.87	J	0.14	5.00	ug/L
Q2903-02RE	MW-1C-081925RE	Water	Tetrachloroethene		40.9		0.23	5.00	ug/L
Q2903-02RE	MW-1C-081925RE	Water	Ethyl Benzene		10.1		0.13	5.00	ug/L
Q2903-02RE	MW-1C-081925RE	Water	m/p-Xylenes		1.90	J	0.24	10.0	ug/L
Q2903-02RE	MW-1C-081925RE	Water	o-Xylene		3.60	J	0.12	5.00	ug/L
Q2903-02RE	MW-1C-081925RE	Water	Isopropylbenzene		2.10	J	0.12	5.00	ug/L
			Total Voc :		96.6				
			Total Concentration:		96.6				
Client ID:	**MW-6B-081925**								
Q2903-03	MW-6B-081925	Water	Acetone		2.80	J	1.50	25.0	ug/L
Q2903-03	MW-6B-081925	Water	Carbon Disulfide		0.39	J	0.21	5.00	ug/L
Q2903-03	MW-6B-081925	Water	cis-1,2-Dichloroethene		0.36	J	0.19	5.00	ug/L
Q2903-03	MW-6B-081925	Water	Benzene		0.43	J	0.15	5.00	ug/L
			Total Voc :		3.98				
Q2903-03	MW-6B-081925	Water	Sulfur dioxide	*	49.8	J	0	0	ug/L
			Total Tics :		49.8				
			Total Concentration:		53.8				
Client ID:	**MW-1B-081925**								
Q2903-04	MW-1B-081925	Water	Acetone		3.00	J	1.50	25.0	ug/L
Q2903-04	MW-1B-081925	Water	Carbon Disulfide		0.32	J	0.21	5.00	ug/L
Q2903-04	MW-1B-081925	Water	trans-1,2-Dichloroethene		1.30	J	0.23	5.00	ug/L
Q2903-04	MW-1B-081925	Water	cis-1,2-Dichloroethene		7.00		0.19	5.00	ug/L
Q2903-04	MW-1B-081925	Water	Benzene		0.31	J	0.15	5.00	ug/L
Q2903-04	MW-1B-081925	Water	Trichloroethene		9.30		0.090	5.00	ug/L
Q2903-04	MW-1B-081925	Water	1,2-Dichloropropane		0.52	J	0.20	5.00	ug/L
Q2903-04	MW-1B-081925	Water	Tetrachloroethene		28.9		0.23	5.00	ug/L
Q2903-04	MW-1B-081925	Water	Chlorobenzene		0.42	J	0.12	5.00	ug/L
			Total Voc :		51.1				
Q2903-04	MW-1B-081925	Water	Sulfur dioxide	*	35.2	J	0	0	ug/L
			Total Tics :		35.2				
			Total Concentration:		86.3				
Client ID:	**MW-12B-081925**								
Q2903-07	MW-12B-081925	Water	Acetone		4.80	J	1.50	25.0	ug/L
Q2903-07	MW-12B-081925	Water	Carbon Disulfide		0.30	J	0.21	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2903

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2903-07	MW-12B-081925	Water	trans-1,2-Dichloroethene		0.76	J	0.23	5.00	ug/L
Q2903-07	MW-12B-081925	Water	Cyclohexane		2.00	J	1.50	5.00	ug/L
Q2903-07	MW-12B-081925	Water	cis-1,2-Dichloroethene		0.34	J	0.19	5.00	ug/L
Q2903-07	MW-12B-081925	Water	Methylcyclohexane		1.80	J	0.16	5.00	ug/L
Q2903-07	MW-12B-081925	Water	Benzene		350	E	0.15	5.00	ug/L
Q2903-07	MW-12B-081925	Water	Toluene		0.65	J	0.14	5.00	ug/L
Q2903-07	MW-12B-081925	Water	Ethyl Benzene		1.20	J	0.13	5.00	ug/L
Q2903-07	MW-12B-081925	Water	m/p-Xylenes		1.60	J	0.24	10.0	ug/L
Q2903-07	MW-12B-081925	Water	o-Xylene		2.50	J	0.12	5.00	ug/L
Q2903-07	MW-12B-081925	Water	Isopropylbenzene		12.2		0.12	5.00	ug/L
			Total Voc :		378				
Q2903-07	MW-12B-081925	Water	1-Propene, 2-methyl-	*	11.0	J	0	0	ug/L
Q2903-07	MW-12B-081925	Water	Indane	*	500	J	0	0	ug/L
Q2903-07	MW-12B-081925	Water	Benzene, 1,2,3-trimethyl-	*	6.70	J	0	0	ug/L
Q2903-07	MW-12B-081925	Water	Benzene, 1-ethyl-2-methyl-	*	13.3	J	0	0	ug/L
Q2903-07	MW-12B-081925	Water	1H-Indene, 1-methyl-	*	10.4	J	0	0	ug/L
Q2903-07	MW-12B-081925	Water	Benzene, 2-ethenyl-1,4-dimeth	*	9.80	J	0	0	ug/L
Q2903-07	MW-12B-081925	Water	Sulfur dioxide	*	20.7	J	0	0	ug/L
Q2903-07	MW-12B-081925	Water	Benzene, 1-ethenyl-3-ethyl-	*	12.7	J	0	0	ug/L
Q2903-07	MW-12B-081925	Water	n-propylbenzene	*	1.10	J	0.13	5.00	ug/L
Q2903-07	MW-12B-081925	Water	1,3,5-Trimethylbenzene	*	0.51	J	0.15	5.00	ug/L
Q2903-07	MW-12B-081925	Water	1,2,4-Trimethylbenzene	*	2.00	J	0.14	5.00	ug/L
			Total Tics :		588				
			Total Concentration:		966				
Client ID:	**MW-12B-081925DL**								
Q2903-07DL	MW-12B-081925DL	Water	Methylcyclohexane		2.20	JD	1.60	50.0	ug/L
Q2903-07DL	MW-12B-081925DL	Water	Benzene		400	D	1.50	50.0	ug/L
Q2903-07DL	MW-12B-081925DL	Water	Ethyl Benzene		2.00	JD	1.30	50.0	ug/L
Q2903-07DL	MW-12B-081925DL	Water	m/p-Xylenes		2.50	JD	2.40	100	ug/L
Q2903-07DL	MW-12B-081925DL	Water	o-Xylene		3.20	JD	1.20	50.0	ug/L
Q2903-07DL	MW-12B-081925DL	Water	Isopropylbenzene		14.3	JD	1.20	50.0	ug/L
			Total Voc :		424				
			Total Concentration:		424				
Client ID:	**MW-18B-081925**								
Q2903-08	MW-18B-081925	Water	Acetone		3.00	J	1.50	25.0	ug/L
Q2903-08	MW-18B-081925	Water	Carbon Disulfide		1.10	J	0.21	5.00	ug/L
Q2903-08	MW-18B-081925	Water	Benzene		0.43	J	0.15	5.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2903

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2903-08	MW-18B-081925	Water	Isopropylbenzene		0.48	J	0.12	5.00	ug/L
			Total Voc :		5.01				
Q2903-08	MW-18B-081925	Water	Sulfur dioxide	*	220	J	0	0	ug/L
			Total Tics :		220				
			Total Concentration:		225				
Client ID:	**DUP-02-081925**								
Q2903-09	DUP-02-081925	Water	Acetone		2.40	J	1.50	25.0	ug/L
Q2903-09	DUP-02-081925	Water	Carbon Disulfide		1.30	J	0.21	5.00	ug/L
Q2903-09	DUP-02-081925	Water	Isopropylbenzene		0.49	J	0.12	5.00	ug/L
			Total Voc :		4.19				
Q2903-09	DUP-02-081925	Water	Sulfur dioxide	*	200	J	0	0	ug/L
			Total Tics :		200				
			Total Concentration:		204				
Client ID:	**MW-17A-081925**								
Q2903-10	MW-17A-081925	Water	Acetone		5.90	J	1.50	25.0	ug/L
			Total Voc :		5.90				
Q2903-10	MW-17A-081925	Water	Sulfur dioxide	*	220	J	0	0	ug/L
			Total Tics :		220				
			Total Concentration:		226				
Client ID:	**MW-18A-081925**								
Q2903-11	MW-18A-081925	Water	Acetone		34.0		1.50	25.0	ug/L
Q2903-11	MW-18A-081925	Water	Carbon Disulfide		1.50	J	0.21	5.00	ug/L
Q2903-11	MW-18A-081925	Water	Methyl tert-butyl Ether		0.45	J	0.16	5.00	ug/L
Q2903-11	MW-18A-081925	Water	Methylcyclohexane		0.31	J	0.16	5.00	ug/L
Q2903-11	MW-18A-081925	Water	Benzene		25.3		0.15	5.00	ug/L
Q2903-11	MW-18A-081925	Water	Toluene		7.40		0.14	5.00	ug/L
Q2903-11	MW-18A-081925	Water	Ethyl Benzene		11.7		0.13	5.00	ug/L
Q2903-11	MW-18A-081925	Water	m/p-Xylenes		17.1		0.24	10.0	ug/L
Q2903-11	MW-18A-081925	Water	o-Xylene		13.0		0.12	5.00	ug/L
Q2903-11	MW-18A-081925	Water	Styrene		2.60	J	0.15	5.00	ug/L
Q2903-11	MW-18A-081925	Water	Isopropylbenzene		1.30	J	0.12	5.00	ug/L
			Total Voc :		115				
Q2903-11	MW-18A-081925	Water	Indene	*	9.60	J	0	0	ug/L
Q2903-11	MW-18A-081925	Water	Indane	*	21.9	J	0	0	ug/L
Q2903-11	MW-18A-081925	Water	Benzene, 1,2,3-trimethyl-	*	10.1	J	0	0	ug/L
Q2903-11	MW-18A-081925	Water	Benzene, 1-ethyl-2-methyl-	*	13.0	J	0	0	ug/L
Q2903-11	MW-18A-081925	Water	Benzene, 1-ethyl-4-methyl-	*	7.20	J	0	0	ug/L
Q2903-11	MW-18A-081925	Water	Benzene, 2-ethenyl-1,4-dimeth	*	9.20	J	0	0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2903

Client: AECOM

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q2903-11	MW-18A-081925	Water	Sulfur dioxide	*	270	J	0	0	ug/L
Q2903-11	MW-18A-081925	Water	n-propylbenzene	*	1.70	J	0.13	5.00	ug/L
Q2903-11	MW-18A-081925	Water	1,3,5-Trimethylbenzene	*	7.10	J	0.15	5.00	ug/L
Q2903-11	MW-18A-081925	Water	1,2,4-Trimethylbenzene	*	22.4	J	0.14	5.00	ug/L
			Total Tics :		372				
			Total Concentration:		487				
Client ID:	**MW-16B-081925**								
Q2903-12	MW-16B-081925	Water	Acetone		4.90	J	1.50	25.0	ug/L
			Total Voc :		4.90				
Q2903-12	MW-16B-081925	Water	Sulfur dioxide	*	210	J	0	0	ug/L
			Total Tics :		210				
			Total Concentration:		215				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2903

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2903-01	MW-6A-081925	1,2-Dichloroethane-d4	50	59.4	119		74	125
		Dibromofluoromethane	50	50.8	102		75	124
		Toluene-d8	50	50.2	100		86	113
		4-Bromofluorobenzene	50	58.0	116		77	121
Q2903-02	MW-1C-081925	1,2-Dichloroethane-d4	50	65.0	130	*	74	125
		Dibromofluoromethane	50	52.2	104		75	124
		Toluene-d8	50	50.6	101		86	113
		4-Bromofluorobenzene	50	59.6	119		77	121
Q2903-02RE	MW-1C-081925RE	1,2-Dichloroethane-d4	50	65.9	132	*	74	125
		Dibromofluoromethane	50	54.5	109		75	124
		Toluene-d8	50	51.5	103		86	113
		4-Bromofluorobenzene	50	61.9	124	*	77	121
Q2903-03	MW-6B-081925	1,2-Dichloroethane-d4	50	61.3	123		74	125
		Dibromofluoromethane	50	51.0	102		75	124
		Toluene-d8	50	49.7	99		86	113
		4-Bromofluorobenzene	50	57.5	115		77	121
Q2903-04	MW-1B-081925	1,2-Dichloroethane-d4	50	58.6	117		74	125
		Dibromofluoromethane	50	50.3	101		75	124
		Toluene-d8	50	49.0	98		86	113
		4-Bromofluorobenzene	50	56.0	112		77	121
Q2903-05MS	MW-6B-081925MS	1,2-Dichloroethane-d4	50	65.6	131	*	74	125
		Dibromofluoromethane	50	56.0	112		75	124
		Toluene-d8	50	51.4	103		86	113
		4-Bromofluorobenzene	50	56.8	114		77	121
Q2903-06MSD	MW-6B-081925MSD	1,2-Dichloroethane-d4	50	72.9	146	*	74	125
		Dibromofluoromethane	50	64.1	128	*	75	124
		Toluene-d8	50	60.8	122	*	86	113
		4-Bromofluorobenzene	50	65.1	130	*	77	121
Q2903-07	MW-12B-081925	1,2-Dichloroethane-d4	50	61.0	122		74	125
		Dibromofluoromethane	50	55.4	111		75	124
		Toluene-d8	50	52.6	105		86	113
		4-Bromofluorobenzene	50	61.5	123	*	77	121
Q2903-07DL	MW-12B-081925DL	1,2-Dichloroethane-d4	50	53.7	107		74	125
		Dibromofluoromethane	50	48.0	96		75	124
		Toluene-d8	50	47.3	95		86	113
		4-Bromofluorobenzene	50	52.6	105		77	121
Q2903-08	MW-18B-081925	1,2-Dichloroethane-d4	50	59.6	119		74	125
		Dibromofluoromethane	50	51.4	103		75	124
		Toluene-d8	50	51.6	103		86	113
		4-Bromofluorobenzene	50	59.8	120		77	121
Q2903-09	DUP-02-081925	1,2-Dichloroethane-d4	50	59.4	119		74	125
		Dibromofluoromethane	50	51.8	104		75	124
		Toluene-d8	50	51.9	104		86	113
		4-Bromofluorobenzene	50	58.4	117		77	121
Q2903-10	MW-17A-081925	1,2-Dichloroethane-d4	50	60.7	121		74	125
		Dibromofluoromethane	50	51.8	103		75	124
		Toluene-d8	50	51.3	103		86	113
		4-Bromofluorobenzene	50	58.5	117		77	121
Q2903-11	MW-18A-081925	1,2-Dichloroethane-d4	50	54.6	109		74	125
		Dibromofluoromethane	50	49.8	100		75	124

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Surrogate Summary

SDG No.: Q2903

Client: AECOM

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2903-11	MW-18A-081925	Toluene-d8	50	48.5	97		86	113
		4-Bromofluorobenzene	50	55.3	111		77	121
Q2903-12	MW-16B-081925	1,2-Dichloroethane-d4	50	59.5	119		74	125
		Dibromofluoromethane	50	51.2	102		75	124
		Toluene-d8	50	49.8	100		86	113
		4-Bromofluorobenzene	50	58.8	118		77	121
Q2903-13	TB	1,2-Dichloroethane-d4	50	55.8	112		74	125
		Dibromofluoromethane	50	51.1	102		75	124
		Toluene-d8	50	50.0	100		86	113
		4-Bromofluorobenzene	50	55.7	111		77	121

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Surrogate Summary

SDG No.: Q2903

Client: AECOM

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
VX0821WBL01	VX0821WBL01	1,2-Dichloroethane-d4	50	57.4	115		74	125
		Dibromofluoromethane	50	49.0	98		75	124
		Toluene-d8	50	48.7	97		86	113
		4-Bromofluorobenzene	50	55.6	111		77	121
VX0821WBS02	VX0821WBS02	1,2-Dichloroethane-d4	50	57.3	115		74	125
		Dibromofluoromethane	50	51.6	103		75	124
		Toluene-d8	50	50.2	100		86	113
		4-Bromofluorobenzene	50	55.6	111		77	121
VX0822WBL01	VX0822WBL01	1,2-Dichloroethane-d4	50	57.9	116		74	125
		Dibromofluoromethane	50	50.7	101		75	124
		Toluene-d8	50	49.3	99		86	113
		4-Bromofluorobenzene	50	56.5	113		77	121
VX0822WBS01	VX0822WBS01	1,2-Dichloroethane-d4	50	52.6	105		74	125
		Dibromofluoromethane	50	48.3	97		75	124
		Toluene-d8	50	46.7	93		86	113
		4-Bromofluorobenzene	50	49.8	99		77	121
VX0825WBL01	VX0825WBL01	1,2-Dichloroethane-d4	50	54.7	109		74	125
		Dibromofluoromethane	50	49.6	99		75	124
		Toluene-d8	50	48.6	97		86	113
		4-Bromofluorobenzene	50	54.0	108		77	121
VX0825WBS01	VX0825WBS01	1,2-Dichloroethane-d4	50	52.9	106		74	125
		Dibromofluoromethane	50	52.7	105		75	124
		Toluene-d8	50	50.9	102		86	113
		4-Bromofluorobenzene	50	54.1	108		77	121

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2903 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VX047507.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2903-05MS		**Client Sample ID : MW-6B-081925MS**									
Dichlorodifluoromethane	50	0	41.1	ug/L	82				73	120	
Chloromethane	50	0	45.7	ug/L	91				58	133	
Vinyl chloride	50	0	45.4	ug/L	91				69	125	
Bromomethane	50	0	36.1	ug/L	72				28	165	
Chloroethane	50	0	47.5	ug/L	95				70	141	
Trichlorofluoromethane	50	0	43.6	ug/L	87				72	124	
1,1,2-Trichlorotrifluoroethane	50	0	43.6	ug/L	87				75	117	
1,1-Dichloroethene	50	0	46.4	ug/L	93				53	162	
Acetone	250	2.80	280	ug/L	111				44	150	
Carbon disulfide	50	0.39	46.0	ug/L	91				44	135	
Methyl tert-butyl Ether	50	0	57.1	ug/L	114				82	133	
Methyl Acetate	50	0	67.7	ug/L	135				76	138	
Methylene Chloride	50	0	54.0	ug/L	108				79	115	
trans-1,2-Dichloroethene	50	0	49.0	ug/L	98				76	118	
1,1-Dichloroethane	50	0	53.6	ug/L	107				78	122	
Cyclohexane	50	0	41.1	ug/L	82				71	119	
2-Butanone	250	0	320	ug/L	128				67	137	
Carbon Tetrachloride	50	0	41.3	ug/L	83				66	133	
cis-1,2-Dichloroethene	50	0.36	53.7	ug/L	107				82	124	
Bromochloromethane	50	0	63.1	ug/L	126				72	130	
Chloroform	50	0	54.6	ug/L	109				83	119	
1,1,1-Trichloroethane	50	0	48.9	ug/L	98				83	117	
Methylcyclohexane	50	0	36.1	ug/L	72				64	120	
Benzene	50	0.43	47.6	ug/L	94				81	128	
1,2-Dichloroethane	50	0	50.8	ug/L	102				76	120	
Trichloroethene	50	0	43.8	ug/L	88				28	175	
1,2-Dichloropropane	50	0	49.1	ug/L	98				85	116	
Bromodichloromethane	50	0	49.9	ug/L	100				54	157	
4-Methyl-2-Pentanone	250	0	280	ug/L	112				72	137	
Toluene	50	0	46.8	ug/L	94				85	115	
t-1,3-Dichloropropene	50	0	49.8	ug/L	100				60	141	
cis-1,3-Dichloropropene	50	0	48.2	ug/L	96				36	161	
1,1,2-Trichloroethane	50	0	52.2	ug/L	104				27	175	
2-Hexanone	250	0	270	ug/L	108				75	131	
Dibromochloromethane	50	0	50.4	ug/L	101				59	164	
1,2-Dibromoethane	50	0	50.8	ug/L	102				85	119	
Tetrachloroethene	50	0	38.5	ug/L	77				48	153	
Chlorobenzene	50	0	43.6	ug/L	87				85	114	
Ethyl Benzene	50	0	42.5	ug/L	85				81	128	
m/p-Xylenes	100	0	86.4	ug/L	86				69	129	
o-Xylene	50	0	43.8	ug/L	88				75	127	
Styrene	50	0	46.5	ug/L	93				84	128	
Bromoform	50	0	49.3	ug/L	99				73	147	
Isopropylbenzene	50	0	40.1	ug/L	80				76	121	
1,1,2,2-Tetrachloroethane	50	0	47.5	ug/L	95				81	131	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2903 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VX047507.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	41.7	ug/L	83	*			84	110	
1,4-Dichlorobenzene	50	0	40.9	ug/L	82				81	111	
1,2-Dichlorobenzene	50	0	43.0	ug/L	86				82	113	
1,2-Dibromo-3-Chloropropane	50	0	47.4	ug/L	95				79	137	
1,2,4-Trichlorobenzene	50	0	40.1	ug/L	80				73	120	
1,2,3-Trichlorobenzene	50	0	41.1	ug/L	82				75	119	

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2903 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VX047508.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2903-06MSD		**Client Sample ID : MW-6B-081925MSD**									
Dichlorodifluoromethane	50	0	43.9	ug/L	88		7		73	120	20
Chloromethane	50	0	48.6	ug/L	97		6		58	133	20
Vinyl chloride	50	0	49.4	ug/L	99		8		69	125	20
Bromomethane	50	0	46.2	ug/L	92		25	*	28	165	20
Chloroethane	50	0	54.7	ug/L	109		14		70	141	20
Trichlorofluoromethane	50	0	47.2	ug/L	94		8		72	124	20
1,1,2-Trichlorotrifluoroethane	50	0	47.0	ug/L	94		8		75	117	20
1,1-Dichloroethene	50	0	50.7	ug/L	101		9		53	162	20
Acetone	250	2.80	300	ug/L	119		7		44	150	20
Carbon disulfide	50	0.39	51.0	ug/L	101		10		44	135	20
Methyl tert-butyl Ether	50	0	65.1	ug/L	130		13		82	133	20
Methyl Acetate	50	0	73.6	ug/L	147	*	8		76	138	20
Methylene Chloride	50	0	59.6	ug/L	119	*	10		79	115	20
trans-1,2-Dichloroethene	50	0	54.3	ug/L	109		10		76	118	20
1,1-Dichloroethane	50	0	59.6	ug/L	119		11		78	122	20
Cyclohexane	50	0	45.9	ug/L	92		11		71	119	20
2-Butanone	250	0	350	ug/L	140	*	9		67	137	20
Carbon Tetrachloride	50	0	45.8	ug/L	92		10		66	133	20
cis-1,2-Dichloroethene	50	0.36	60.1	ug/L	119		11		82	124	20
Bromochloromethane	50	0	68.3	ug/L	137	*	8		72	130	20
Chloroform	50	0	60.9	ug/L	122	*	11		83	119	20
1,1,1-Trichloroethane	50	0	54.4	ug/L	109		11		83	117	20
Methylcyclohexane	50	0	40.2	ug/L	80		11		64	120	20
Benzene	50	0.43	54.4	ug/L	108		14		81	128	20
1,2-Dichloroethane	50	0	57.3	ug/L	115		12		76	120	20
Trichloroethene	50	0	49.6	ug/L	99		12		28	175	20
1,2-Dichloropropane	50	0	57.0	ug/L	114		15		85	116	20
Bromodichloromethane	50	0	56.7	ug/L	113		13		54	157	20
4-Methyl-2-Pentanone	250	0	320	ug/L	128		13		72	137	20
Toluene	50	0	54.1	ug/L	108		14		85	115	20
t-1,3-Dichloropropene	50	0	59.4	ug/L	119		18		60	141	20
cis-1,3-Dichloropropene	50	0	56.6	ug/L	113		16		36	161	20
1,1,2-Trichloroethane	50	0	59.5	ug/L	119		13		27	175	20
2-Hexanone	250	0	310	ug/L	124		14		75	131	20
Dibromochloromethane	50	0	58.4	ug/L	117		15		59	164	20
1,2-Dibromoethane	50	0	58.6	ug/L	117		14		85	119	20
Tetrachloroethene	50	0	45.0	ug/L	90		16		48	153	20
Chlorobenzene	50	0	51.9	ug/L	104		17		85	114	20
Ethyl Benzene	50	0	50.0	ug/L	100		16		81	128	20
m/p-Xylenes	100	0	100	ug/L	100		15		69	129	20
o-Xylene	50	0	52.3	ug/L	105		18		75	127	20
Styrene	50	0	54.8	ug/L	110		16		84	128	20
Bromoform	50	0	57.2	ug/L	114		15		73	147	20
Isopropylbenzene	50	0	48.1	ug/L	96		18		76	121	20
1,1,2,2-Tetrachloroethane	50	0	57.2	ug/L	114		19		81	131	20

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2903 **Analytical Method:** SW8260D

Client: AECOM **Datafile :** VX047508.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
1,3-Dichlorobenzene	50	0	49.8	ug/L	100		18		84	110	20
1,4-Dichlorobenzene	50	0	49.6	ug/L	99		19		81	111	20
1,2-Dichlorobenzene	50	0	51.8	ug/L	104		19		82	113	20
1,2-Dibromo-3-Chloropropane	50	0	56.7	ug/L	113		18		79	137	20
1,2,4-Trichlorobenzene	50	0	47.9	ug/L	96		18		73	120	20
1,2,3-Trichlorobenzene	50	0	50.3	ug/L	101		20		75	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2903 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX047467.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0821WBS02	Dichlorodifluoromethane	20	18.6	ug/L	93			69	116	
	Chloromethane	20	19.6	ug/L	98			65	116	
	Vinyl chloride	20	19.3	ug/L	97			65	117	
	Bromomethane	20	20.0	ug/L	100			58	125	
	Chloroethane	20	20.6	ug/L	103			56	128	
	Trichlorofluoromethane	20	19.5	ug/L	98			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99			80	112	
	1,1-Dichloroethene	20	20.0	ug/L	100			74	110	
	Acetone	100	100	ug/L	100			60	125	
	Carbon disulfide	20	17.9	ug/L	90			64	112	
	Methyl tert-butyl Ether	20	22.2	ug/L	111			78	114	
	Methyl Acetate	20	24.1	ug/L	121			67	125	
	Methylene Chloride	20	22.0	ug/L	110			72	114	
	trans-1,2-Dichloroethene	20	20.6	ug/L	103			75	108	
	1,1-Dichloroethane	20	21.8	ug/L	109			78	112	
	Cyclohexane	20	19.7	ug/L	99			75	110	
	2-Butanone	100	120	ug/L	120			65	122	
	Carbon Tetrachloride	20	19.5	ug/L	98			77	113	
	cis-1,2-Dichloroethene	20	21.9	ug/L	110			77	110	
	Bromochloromethane	20	24.6	ug/L	123			70	124	
	Chloroform	20	22.6	ug/L	113			79	113	
	1,1,1-Trichloroethane	20	20.6	ug/L	103			80	108	
	Methylcyclohexane	20	17.7	ug/L	89			72	115	
	Benzene	20	20.6	ug/L	103			82	109	
	1,2-Dichloroethane	20	21.5	ug/L	108			80	115	
	Trichloroethene	20	20.1	ug/L	101			77	113	
	1,2-Dichloropropane	20	21.1	ug/L	106			83	111	
	Bromodichloromethane	20	20.8	ug/L	104			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	21.0	ug/L	105			82	110	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			79	110	
	cis-1,3-Dichloropropene	20	21.1	ug/L	106			82	110	
	1,1,2-Trichloroethane	20	21.9	ug/L	110			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	21.3	ug/L	106			82	110	
	1,2-Dibromoethane	20	21.0	ug/L	105			81	110	
	Tetrachloroethene	20	18.2	ug/L	91			67	123	
	Chlorobenzene	20	19.9	ug/L	100			82	109	
	Ethyl Benzene	20	19.7	ug/L	99			83	109	
	m/p-Xylenes	40	40.2	ug/L	101			82	110	
	o-Xylene	20	20.5	ug/L	103			83	109	
	Styrene	20	20.8	ug/L	104			80	111	
	Bromoform	20	20.5	ug/L	103			79	109	
	Isopropylbenzene	20	18.9	ug/L	95			83	112	
	1,1,2,2-Tetrachloroethane	20	20.0	ug/L	100			76	118	
	1,3-Dichlorobenzene	20	18.8	ug/L	94			82	108	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			82	107	
	1,2-Dichlorobenzene	20	19.2	ug/L	96			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2903**	**Analytical Method:**	**SW8260-Low**
Client:	**AECOM**	**Datafile :**	VX047467.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0821WBS02	1,2-Dibromo-3-Chloropropane	20	19.2	ug/L	96			68	112	
	1,2,4-Trichlorobenzene	20	18.2	ug/L	91			75	113	
	1,2,3-Trichlorobenzene	20	18.3	ug/L	92			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2903 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX047487.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0822WBS01	Dichlorodifluoromethane	20	17.3	ug/L	86			69	116	
	Chloromethane	20	16.7	ug/L	84			65	116	
	Vinyl chloride	20	17.6	ug/L	88			65	117	
	Bromomethane	20	17.4	ug/L	87			58	125	
	Chloroethane	20	18.8	ug/L	94			56	128	
	Trichlorofluoromethane	20	18.4	ug/L	92			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94			80	112	
	1,1-Dichloroethene	20	18.8	ug/L	94			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	17.6	ug/L	88			64	112	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			78	114	
	Methyl Acetate	20	22.4	ug/L	112			67	125	
	Methylene Chloride	20	20.5	ug/L	103			72	114	
	trans-1,2-Dichloroethene	20	18.8	ug/L	94			75	108	
	1,1-Dichloroethane	20	20.0	ug/L	100			78	112	
	Cyclohexane	20	18.1	ug/L	91			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	18.1	ug/L	91			77	113	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			77	110	
	Bromochloromethane	20	22.2	ug/L	111			70	124	
	Chloroform	20	20.9	ug/L	104			79	113	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			80	108	
	Methylcyclohexane	20	16.6	ug/L	83			72	115	
	Benzene	20	19.2	ug/L	96			82	109	
	1,2-Dichloroethane	20	19.8	ug/L	99			80	115	
	Trichloroethene	20	18.6	ug/L	93			77	113	
	1,2-Dichloropropane	20	20.1	ug/L	101			83	111	
	Bromodichloromethane	20	20.0	ug/L	100			83	110	
	4-Methyl-2-Pentanone	100	100	ug/L	100			74	118	
	Toluene	20	19.3	ug/L	97			82	110	
	t-1,3-Dichloropropene	20	20.3	ug/L	102			79	110	
	cis-1,3-Dichloropropene	20	20.3	ug/L	102			82	110	
	1,1,2-Trichloroethane	20	20.5	ug/L	103			83	112	
	2-Hexanone	100	98.3	ug/L	98			73	117	
	Dibromochloromethane	20	20.4	ug/L	102			82	110	
	1,2-Dibromoethane	20	19.6	ug/L	98			81	110	
	Tetrachloroethene	20	17.8	ug/L	89			67	123	
	Chlorobenzene	20	18.8	ug/L	94			82	109	
	Ethyl Benzene	20	18.1	ug/L	91			83	109	
	m/p-Xylenes	40	37.2	ug/L	93			82	110	
	o-Xylene	20	18.5	ug/L	93			83	109	
	Styrene	20	19.2	ug/L	96			80	111	
	Bromoform	20	19.0	ug/L	95			79	109	
	Isopropylbenzene	20	17.3	ug/L	86			83	112	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94			76	118	
	1,3-Dichlorobenzene	20	17.8	ug/L	89			82	108	
	1,4-Dichlorobenzene	20	17.8	ug/L	89			82	107	
	1,2-Dichlorobenzene	20	18.2	ug/L	91			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2903 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX047487.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0822WBS01	1,2-Dibromo-3-Chloropropane	20	17.9	ug/L	90			68	112	
	1,2,4-Trichlorobenzene	20	17.4	ug/L	87			75	113	
	1,2,3-Trichlorobenzene	20	17.6	ug/L	88			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2903 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX047514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0825WBS01	Dichlorodifluoromethane	20	16.9	ug/L	85			69	116	
	Chloromethane	20	16.0	ug/L	80			65	116	
	Vinyl chloride	20	16.8	ug/L	84			65	117	
	Bromomethane	20	17.3	ug/L	86			58	125	
	Chloroethane	20	16.9	ug/L	85			56	128	
	Trichlorofluoromethane	20	17.7	ug/L	89			73	115	
	1,1,2-Trichlorotrifluoroethane	20	18.2	ug/L	91			80	112	
	1,1-Dichloroethene	20	17.6	ug/L	88			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	16.0	ug/L	80			64	112	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			78	114	
	Methyl Acetate	20	21.8	ug/L	109			67	125	
	Methylene Chloride	20	18.5	ug/L	93			72	114	
	trans-1,2-Dichloroethene	20	17.6	ug/L	88			75	108	
	1,1-Dichloroethane	20	18.5	ug/L	93			78	112	
	Cyclohexane	20	17.4	ug/L	87			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	17.9	ug/L	90			77	113	
	cis-1,2-Dichloroethene	20	18.5	ug/L	93			77	110	
	Bromochloromethane	20	27.5	ug/L	138		*	70	124	
	Chloroform	20	19.1	ug/L	96			79	113	
	1,1,1-Trichloroethane	20	18.5	ug/L	93			80	108	
	Methylcyclohexane	20	16.9	ug/L	85			72	115	
	Benzene	20	18.5	ug/L	93			82	109	
	1,2-Dichloroethane	20	18.9	ug/L	95			80	115	
	Trichloroethene	20	17.6	ug/L	88			77	113	
	1,2-Dichloropropane	20	18.7	ug/L	94			83	111	
	Bromodichloromethane	20	18.8	ug/L	94			83	110	
	4-Methyl-2-Pentanone	100	95.5	ug/L	96			74	118	
	Toluene	20	18.4	ug/L	92			82	110	
	t-1,3-Dichloropropene	20	18.9	ug/L	95			79	110	
	cis-1,3-Dichloropropene	20	18.9	ug/L	95			82	110	
	1,1,2-Trichloroethane	20	18.5	ug/L	93			83	112	
	2-Hexanone	100	96.3	ug/L	96			73	117	
	Dibromochloromethane	20	19.2	ug/L	96			82	110	
	1,2-Dibromoethane	20	18.7	ug/L	94			81	110	
	Tetrachloroethene	20	17.6	ug/L	88			67	123	
	Chlorobenzene	20	18.5	ug/L	93			82	109	
	Ethyl Benzene	20	18.1	ug/L	91			83	109	
	m/p-Xylenes	40	36.9	ug/L	92			82	110	
	o-Xylene	20	18.4	ug/L	92			83	109	
	Styrene	20	19.2	ug/L	96			80	111	
	Bromoform	20	19.0	ug/L	95			79	109	
	Isopropylbenzene	20	17.9	ug/L	90			83	112	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94			76	118	
	1,3-Dichlorobenzene	20	18.0	ug/L	90			82	108	
	1,4-Dichlorobenzene	20	18.2	ug/L	91			82	107	
	1,2-Dichlorobenzene	20	18.5	ug/L	93			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2903 **Analytical Method:** SW8260-Low

Client: AECOM **Datafile :** VX047514.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0825WBS01	1,2-Dibromo-3-Chloropropane	20	17.0	ug/L	85			68	112	
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90			75	113	
	1,2,3-Trichlorobenzene	20	18.1	ug/L	91			76	114	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0821WBL01

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q2903

Lab File ID: VX047457.D | Lab Sample ID: VX0821WBL01

Date Analyzed: 08/21/2025 | Time Analyzed: 10:24

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
VX0821WBS02	VX0821WBS02	VX047467.D	08/21/2025
MW-6A-081925	Q2903-01	VX047472.D	08/21/2025
MW-1C-081925	Q2903-02	VX047473.D	08/21/2025
MW-6B-081925	Q2903-03	VX047475.D	08/21/2025
MW-1B-081925	Q2903-04	VX047476.D	08/21/2025
MW-12B-081925	Q2903-07	VX047479.D	08/21/2025
MW-18B-081925	Q2903-08	VX047480.D	08/21/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0822WBL01

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2903

Lab File ID: VX047486.D Lab Sample ID: VX0822WBL01

Date Analyzed: 08/22/2025 Time Analyzed: 10:53

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
VX0822WBS01	VX0822WBS01	VX047487.D	08/22/2025
MW-12B-081925DL	Q2903-07DL	VX047489.D	08/22/2025
MW-1C-081925RE	Q2903-02RE	VX047493.D	08/22/2025
DUP-02-081925	Q2903-09	VX047494.D	08/22/2025
MW-17A-081925	Q2903-10	VX047495.D	08/22/2025
MW-18A-081925	Q2903-11	VX047496.D	08/22/2025
MW-16B-081925	Q2903-12	VX047497.D	08/22/2025
MW-6B-081925MS	Q2903-05MS	VX047507.D	08/22/2025
MW-6B-081925MSD	Q2903-06MSD	VX047508.D	08/22/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0825WBL01

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2903

Lab File ID: VX047513.D Lab Sample ID: VX0825WBL01

Date Analyzed: 08/25/2025 Time Analyzed: 11:04

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
VX0825WBS01	VX0825WBS01	VX047514.D	08/25/2025
TB	Q2903-13	VX047518.D	08/25/2025

COMMENTS:

Raw Data: **VX047347.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG NO.: Q2903
Lab File ID: VX047347.D
BFB Injection Date: 08/15/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:28
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	19.3
75	30.0 - 60.0% of mass 95	51.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	71.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX047349.D	08/15/2025	09:40
VSTDICC020	VSTDICC020	VX047350.D	08/15/2025	10:01
VSTDICCC050	VSTDICCC050	VX047351.D	08/15/2025	10:22
VSTDICC100	VSTDICC100	VX047352.D	08/15/2025	10:43
VSTDICC150	VSTDICC150	VX047353.D	08/15/2025	11:05
VSTDICC001	VSTDICC001	VX047356.D	08/15/2025	12:30

Raw Data: **VX047454.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q2903

Lab File ID: VX047454.D | BFB Injection Date: 08/21/2025

Instrument ID: MSVOA_X | BFB Injection Time: 07:58

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	51.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	77.9
175	5.0 - 9.0% of mass 174	5.5 (7.1) 1
176	95.0 - 101.0% of mass 174	74.3 (95.4) 1
177	5.0 - 9.0% of mass 176	5 (6.7) 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	VX047455.D	08/21/2025	09:35
VX0821WBL01	VX0821WBL01	VX047457.D	08/21/2025	10:24
VX0821WBS02	VX0821WBS02	VX047467.D	08/21/2025	14:07
MW-6A-081925	Q2903-01	VX047472.D	08/21/2025	15:53
MW-1C-081925	Q2903-02	VX047473.D	08/21/2025	16:14
MW-6B-081925	Q2903-03	VX047475.D	08/21/2025	16:56
MW-1B-081925	Q2903-04	VX047476.D	08/21/2025	17:17
MW-12B-081925	Q2903-07	VX047479.D	08/21/2025	18:21
MW-18B-081925	Q2903-08	VX047480.D	08/21/2025	18:42

Raw Data: **VX047483.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q2903

Lab File ID: VX047483.D | BFB Injection Date: 08/22/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:25

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	19.7
75	30.0 - 60.0% of mass 95	51.1
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	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	71.3
175	5.0 - 9.0% of mass 174	5.4 (7.6) 1
176	95.0 - 101.0% of mass 174	69.6 (97.7) 1
177	5.0 - 9.0% of mass 176	4.5 (6.5) 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	VX047484.D	08/22/2025	10:00
VX0822WBL01	VX0822WBL01	VX047486.D	08/22/2025	10:53
VX0822WBS01	VX0822WBS01	VX047487.D	08/22/2025	11:22
MW-12B-081925DL	Q2903-07DL	VX047489.D	08/22/2025	12:12
MW-1C-081925RE	Q2903-02RE	VX047493.D	08/22/2025	13:37
DUP-02-081925	Q2903-09	VX047494.D	08/22/2025	13:58
MW-17A-081925	Q2903-10	VX047495.D	08/22/2025	14:19
MW-18A-081925	Q2903-11	VX047496.D	08/22/2025	14:40
MW-16B-081925	Q2903-12	VX047497.D	08/22/2025	15:01
MW-6B-081925MS	Q2903-05MS	VX047507.D	08/22/2025	18:30
MW-6B-081925MSD	Q2903-06MSD	VX047508.D	08/22/2025	18:51

Raw Data: **VX047510.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: AECO02

Lab Code: ACE | SDG NO.: Q2903

Lab File ID: VX047510.D | BFB Injection Date: 08/25/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:12

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	18.7
75	30.0 - 60.0% of mass 95	51.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	71 (95.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.7) 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	VX047511.D	08/25/2025	10:14
VX0825WBL01	VX0825WBL01	VX047513.D	08/25/2025	11:04
VX0825WBS01	VX0825WBS01	VX047514.D	08/25/2025	12:03
TB	Q2903-13	VX047518.D	08/25/2025	13:32

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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2903

Lab File ID: VX047455.D Date Analyzed: 08/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:35

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	229258	5.56	398048	6.76	349454	10.05
UPPER LIMIT	458516	6.056	796096	7.263	698908	10.549
LOWER LIMIT	114629	5.056	199024	6.263	174727	9.549
EPA SAMPLE NO.						
MW-6A-081925	212230	5.56	433989	6.77	433463	10.06
MW-1C-081925	227781	5.56	475332	6.77	479784	10.06
MW-6B-081925	225941	5.57	469925	6.77	476037	10.06
MW-1B-081925	202322	5.57	410659	6.77	411448	10.06
MW-12B-081925	263943	5.57	512897	6.77	520562	10.06
MW-18B-081925	256554	5.56	524902	6.77	528456	10.06
VX0821WBL01	216518	5.56	445927	6.77	448054	10.06
VX0821WBS02	219757	5.56	395822	6.77	370697	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.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2903

Lab File ID: VX047455.D Date Analyzed: 08/21/2025

Instrument ID: MSVOA_X Time Analyzed: 09:35

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

	IS4 AREA #	RT #				
12 HOUR STD	170891	12.018				
UPPER LIMIT	341782	12.518				
LOWER LIMIT	85445.5	11.518				
EPA SAMPLE NO.						
MW-6A-081925	228811	12.02				
MW-1C-081925	255083	12.02				
MW-6B-081925	250060	12.02				
MW-1B-081925	211647	12.02				
MW-12B-081925	276935	12.02				
MW-18B-081925	280646	12.02				
VX0821WBL01	231897	12.02				
VX0821WBS02	193487	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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2903

Lab File ID: VX047484.D Date Analyzed: 08/22/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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	202377	5.56	354638	6.76	324101	10.05
UPPER LIMIT	404754	6.056	709276	7.263	648202	10.549
LOWER LIMIT	101189	5.056	177319	6.263	162051	9.549
EPA SAMPLE NO.						
MW-1C-081925RE	215208	5.57	438650	6.77	454253	10.06
MW-6B-081925MS	173158	5.57	331997	6.77	317077	10.06
MW-6B-081925MSD	156491	5.56	296002	6.77	277028	10.06
MW-12B-081925DL	199358	5.56	400754	6.77	390061	10.06
DUP-02-081925	245699	5.56	503621	6.77	501212	10.06
MW-17A-081925	267608	5.56	550186	6.77	553949	10.06
MW-18A-081925	199275	5.56	403908	6.77	398616	10.06
MW-16B-081925	181722	5.56	373576	6.77	382152	10.06
VX0822WBL01	210866	5.56	425323	6.77	433100	10.06
VX0822WBS01	232449	5.56	415073	6.76	390461	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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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2903

Lab File ID: VX047484.D Date Analyzed: 08/22/2025

Instrument ID: MSVOA_X Time Analyzed: 10:00

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

	IS4 AREA #	RT #				
12 HOUR STD	162878	12.018				
UPPER LIMIT	325756	12.518				
LOWER LIMIT	81439	11.518				
EPA SAMPLE NO.						
MW-1C-081925RE	240673	12.02				
MW-6B-081925MS	162431	12.02				
MW-6B-081925MSD	139791	12.02				
MW-12B-081925DL	192795	12.02				
DUP-02-081925	255941	12.02				
MW-17A-081925	286642	12.02				
MW-18A-081925	210868	12.02				
MW-16B-081925	203331	12.02				
VX0822WBL01	221983	12.02				
VX0822WBS01	202080	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: AECO02

Lab Code: ACE SDG NO.: Q2903

Lab File ID: VX047511.D Date Analyzed: 08/25/2025

Instrument ID: MSVOA_X Time Analyzed: 10:14

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	225340	5.56	383910	6.76	348301	10.05
UPPER LIMIT	450680	6.056	767820	7.263	696602	10.549
LOWER LIMIT	112670	5.056	191955	6.263	174151	9.549
EPA SAMPLE NO.						
TB	298330	5.56	594534	6.77	589303	10.06
VX0825WBL01	288899	5.56	581002	6.77	569460	10.06
VX0825WBS01	227627	5.56	393751	6.76	357988	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.

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: AECO02

Lab Code: ACE SDG NO.: Q2903

Lab File ID: VX047511.D Date Analyzed: 08/25/2025

Instrument ID: MSVOA_X Time Analyzed: 10:14

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

	IS4 AREA #	RT #				
12 HOUR STD	169040	12.018				
UPPER LIMIT	338080	12.518				
LOWER LIMIT	84520	11.518				
EPA SAMPLE NO.						
TB	294917	12.02				
VX0825WBL01	285001	12.02				
VX0825WBS01	182091	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: **VX047472.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6A-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047472.D	1	08/21/25 15:53	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	3.60	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.45	J	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	1.00	J	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

Raw Data: **VX047472.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6A-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047472.D	1	08/21/25 15:53	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.4		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	50.8		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.0		77 - 121	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	212000	5.562			
540-36-3	1,4-Difluorobenzene	434000	6.769			
3114-55-4	Chlorobenzene-d5	433000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	229000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6A-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047472.D	1	08/21/25 15:53	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	88.3	J		1.26	ug/L

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\VX082125\
Data File : VX047472.D
Acq On : 21 Aug 2025 15:53
Operator : JC/MD
Sample : Q2903-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Quant Time: Aug 22 03:49:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

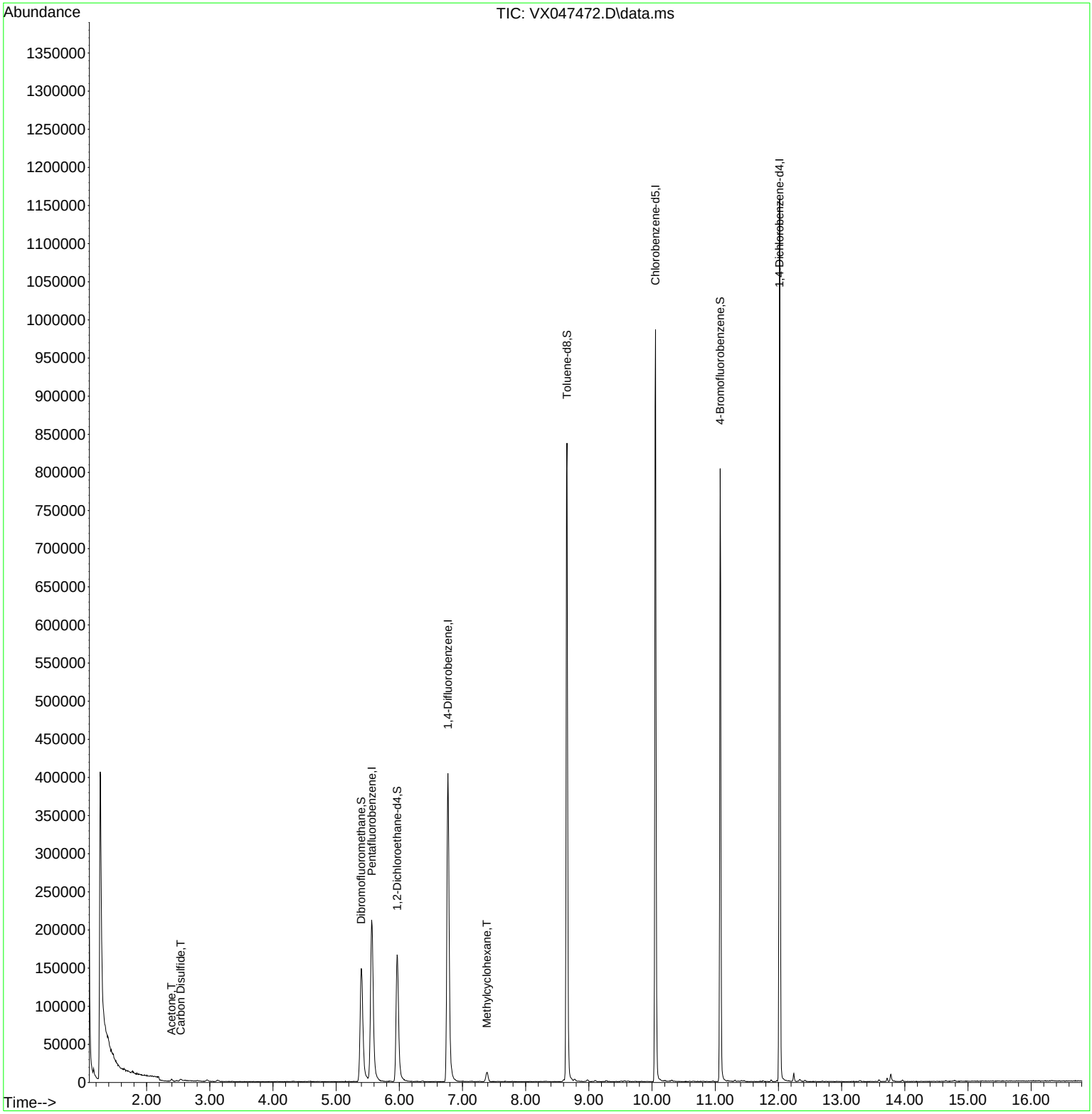
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	212230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	433989	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	228811	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176297	59.355	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.700%#			
35) Dibromofluoromethane	5.397	113	143028	50.780	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.560%			
50) Toluene-d8	8.652	98	505084	50.170	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.340%			
62) 4-Bromofluorobenzene	11.079	95	215481	58.002	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.000%			
Target Compounds						Qvalue
16) Acetone	2.391	43	4074	3.649	ug/l	95
17) Carbon Disulfide	2.538	76	3657	0.454	ug/l	96
39) Methylcyclohexane	7.384	83	5532	0.997	ug/l	93

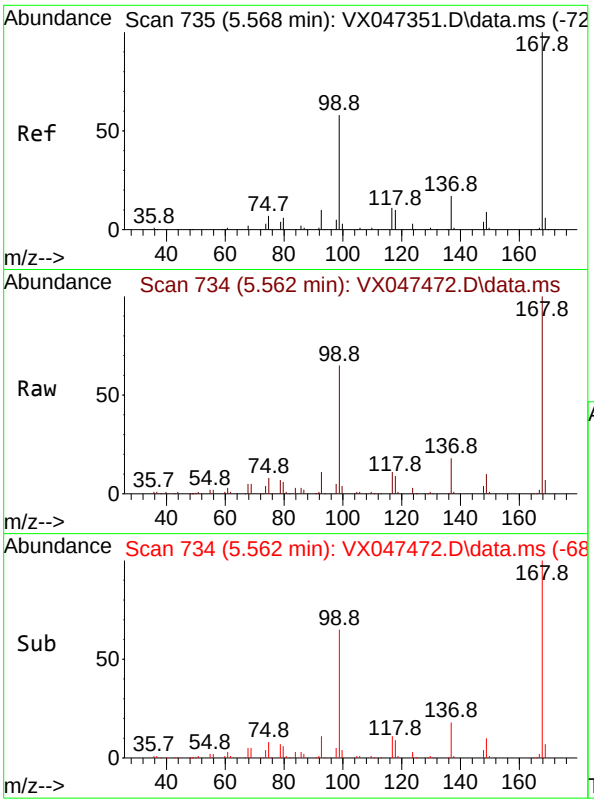
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047472.D
Acq On : 21 Aug 2025 15:53
Operator : JC/MD
Sample : Q2903-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Quant Time: Aug 22 03:49:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



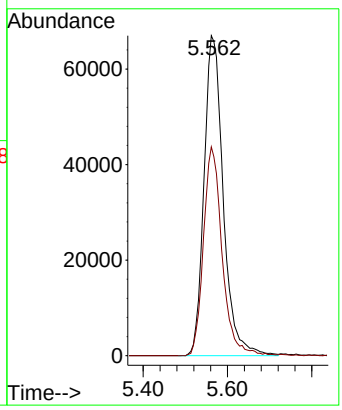


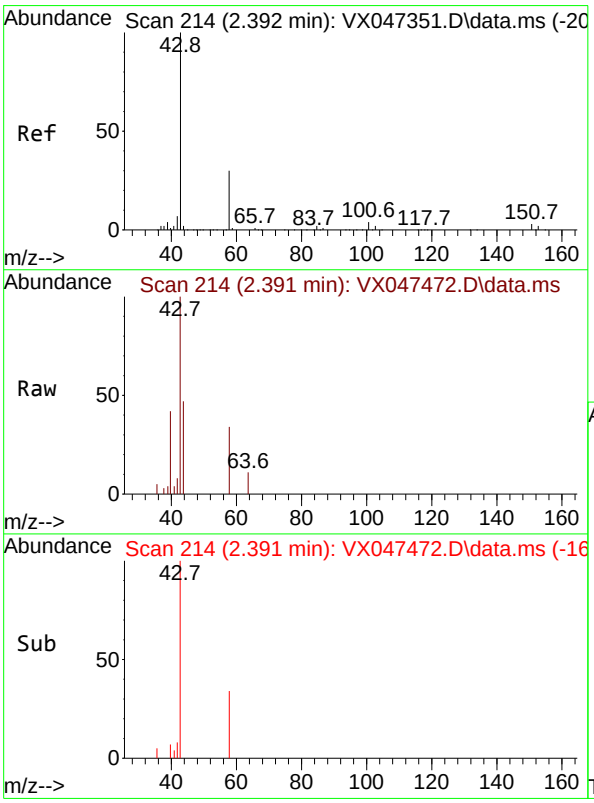
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047472.D
Acq: 21 Aug 2025 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Tgt Ion:168 Resp: 212230

Ion	Ratio	Lower	Upper
168	100		
99	65.2	47.9	71.9

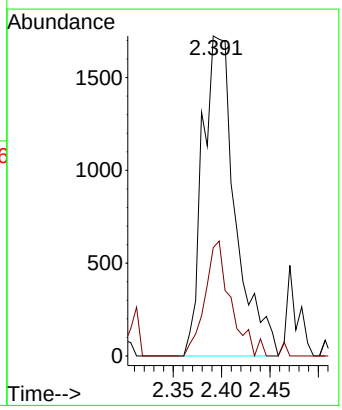


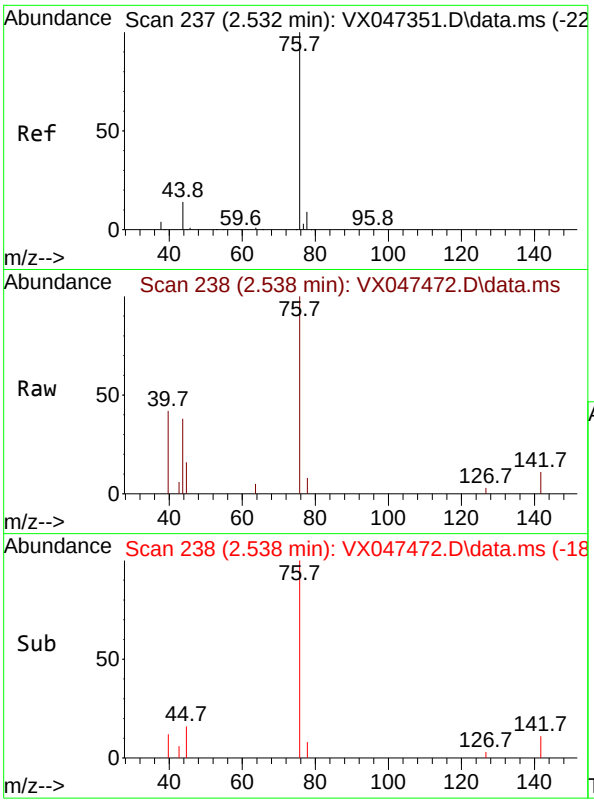


#16
Acetone
Concen: 3.649 ug/l
RT: 2.391 min Scan# 214
Delta R.T. -0.000 min
Lab File: VX047472.D
Acq: 21 Aug 2025 15:53

Tgt Ion: 43 Resp: 4074

Ion	Ratio	Lower	Upper
43	100		
58	28.0	24.8	37.2



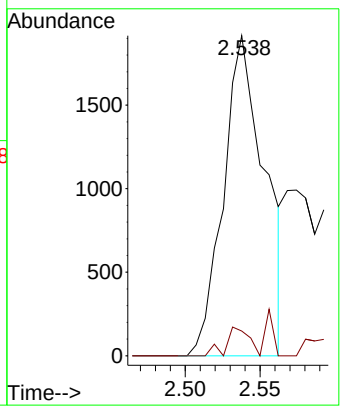


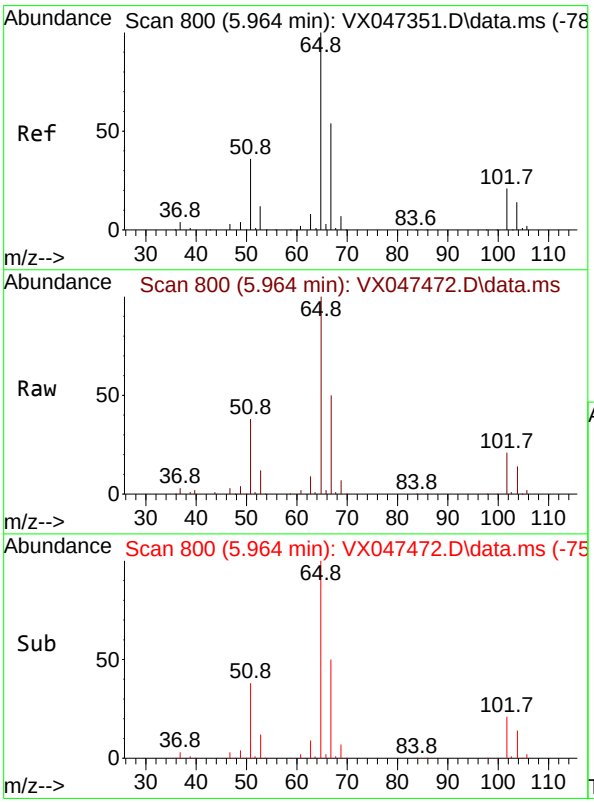
#17
Carbon Disulfide
Concen: 0.454 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047472.D
Acq: 21 Aug 2025 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Tgt Ion: 76 Resp: 3657

Ion	Ratio	Lower	Upper
76	100		
78	7.7	7.2	10.8

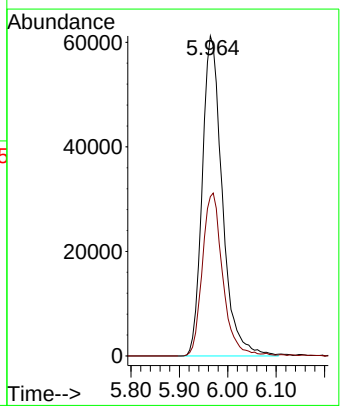


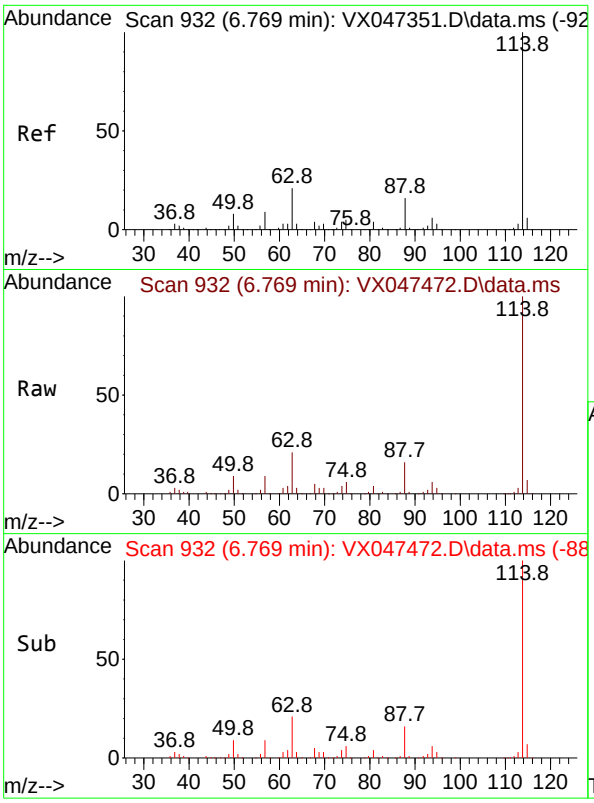


#33
1,2-Dichloroethane-d4
Concen: 59.355 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX047472.D
Acq: 21 Aug 2025 15:53

Tgt Ion: 65 Resp: 176297

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.0



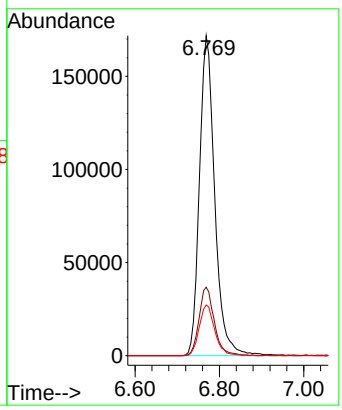


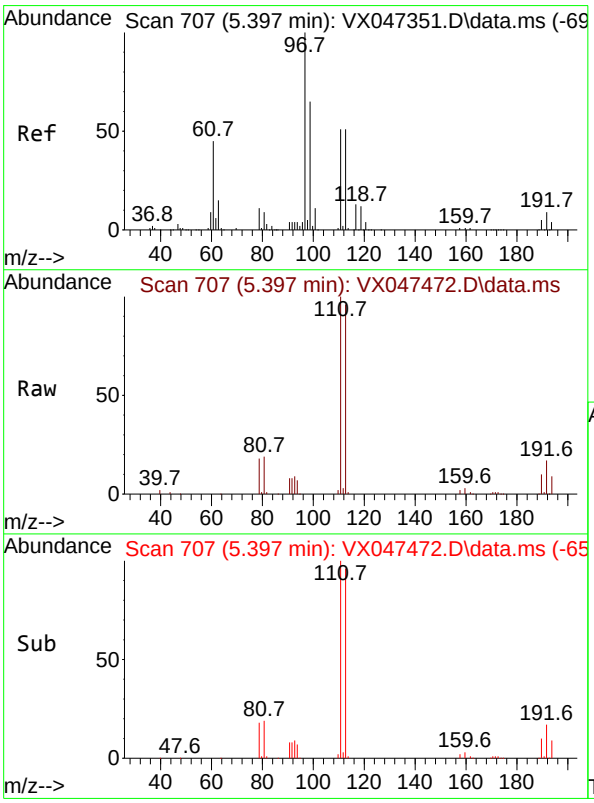
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. -0.000 min
Lab File: VX047472.D
Acq: 21 Aug 2025 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Tgt Ion:114 Resp: 433989

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	42.4
88	15.9	0.0	33.0

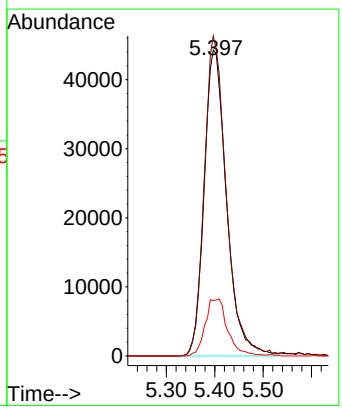


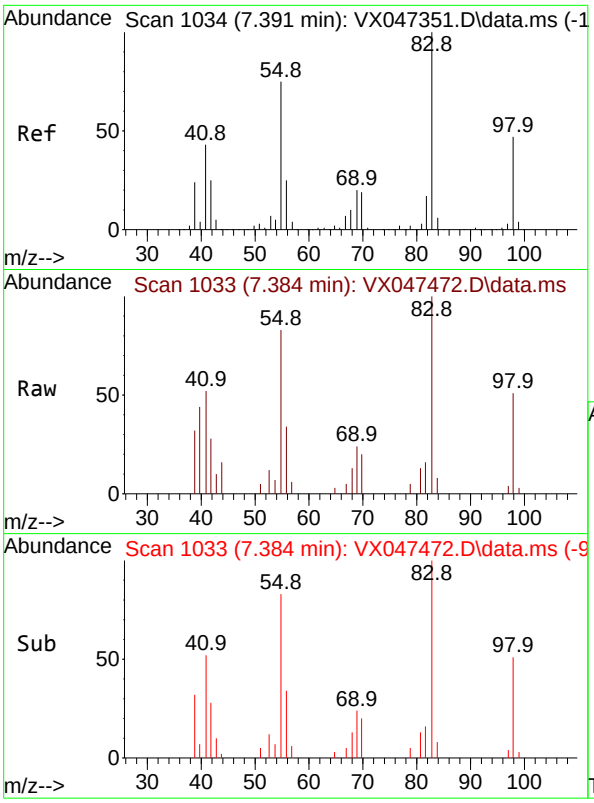


#35
Dibromofluoromethane
Concen: 50.780 ug/l
RT: 5.397 min Scan# 707
Delta R.T. -0.000 min
Lab File: VX047472.D
Acq: 21 Aug 2025 15:53

Tgt Ion:113 Resp: 143028

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.2
192	18.4	14.1	21.1



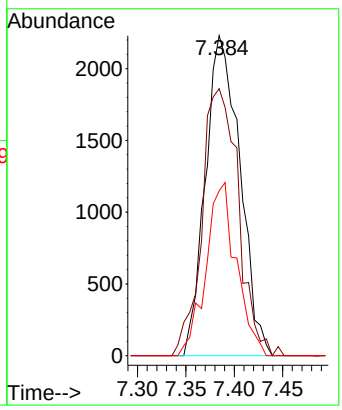


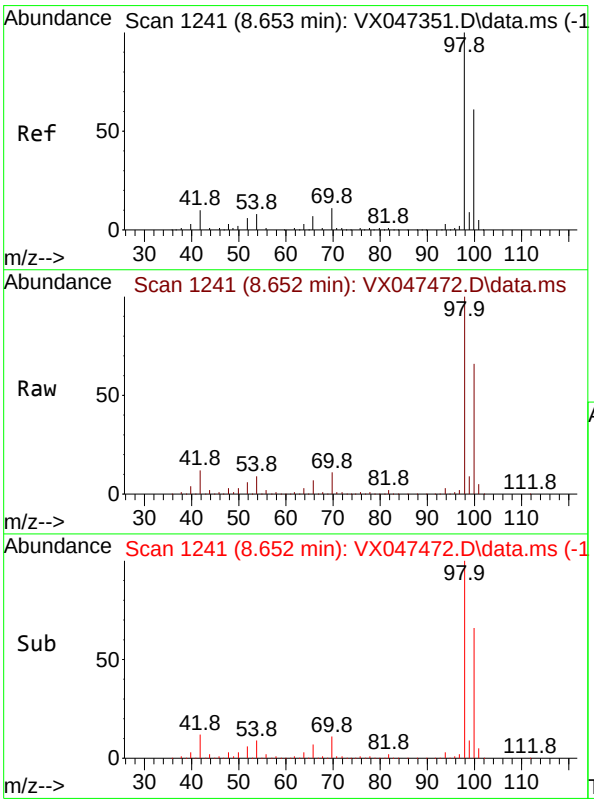
#39
Methylcyclohexane
Concen: 0.997 ug/l
RT: 7.384 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047472.D
Acq: 21 Aug 2025 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Tgt Ion: 83 Resp: 5532

Ion	Ratio	Lower	Upper
83	100		
55	80.6	60.0	90.0
98	51.5	37.2	55.8

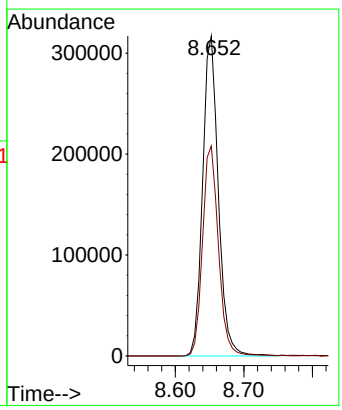


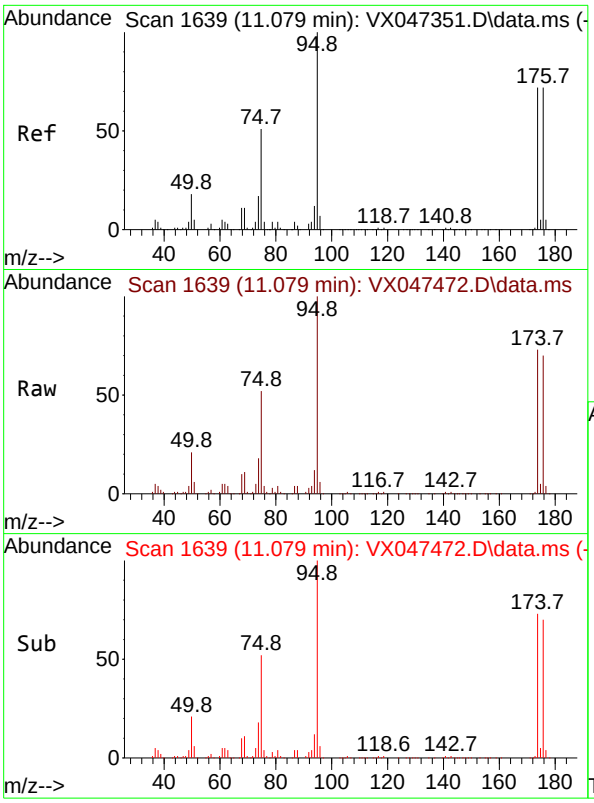


#50
Toluene-d8
Concen: 50.170 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047472.D
Acq: 21 Aug 2025 15:53

Tgt Ion: 98 Resp: 505084

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.9	80.9



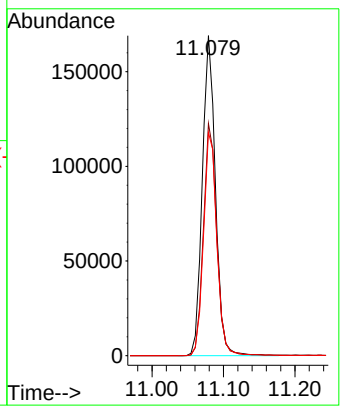


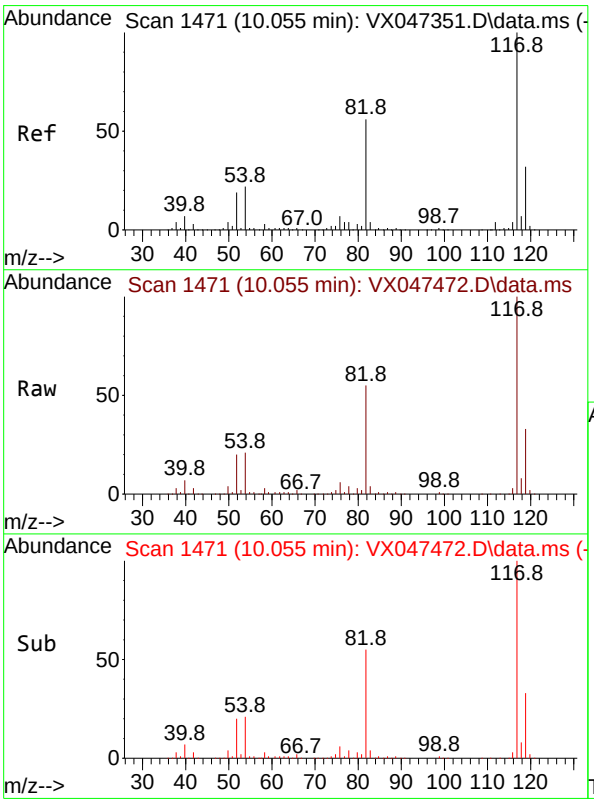
#62
4-Bromofluorobenzene
Concen: 58.002 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047472.D
Acq: 21 Aug 2025 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Tgt Ion: 95 Resp: 215481

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	148.0
176	71.2	0.0	145.4

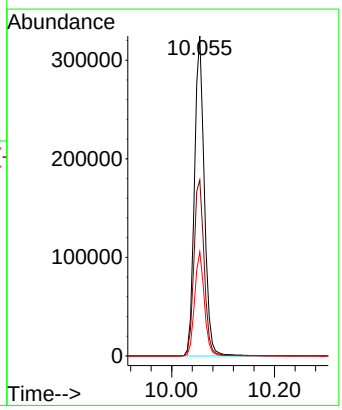


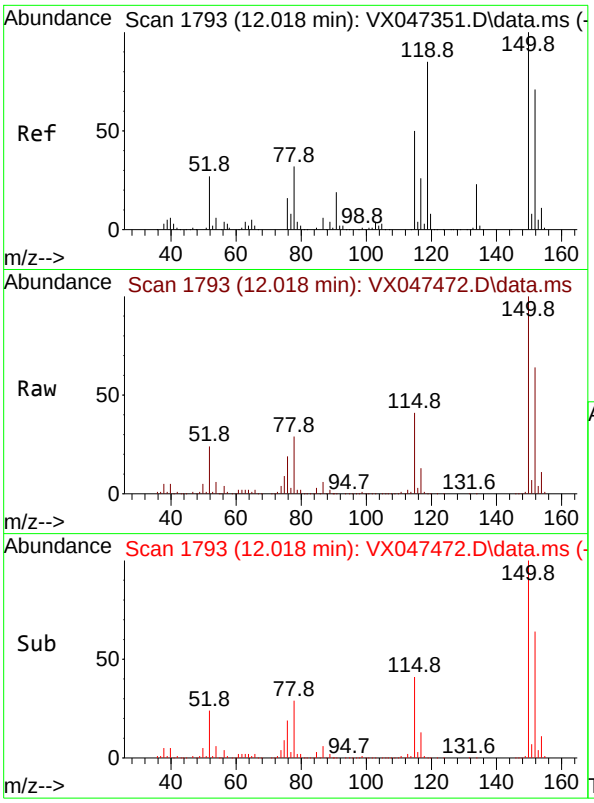


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX047472.D
Acq: 21 Aug 2025 15:53

Tgt Ion:117 Resp: 433463

Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.0	67.4
119	32.6	25.8	38.8



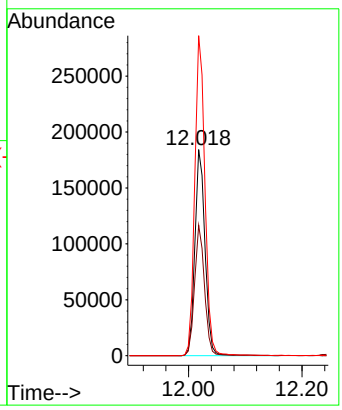


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047472.D
Acq: 21 Aug 2025 15:53

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Tgt Ion:152 Resp: 228811

Ion	Ratio	Lower	Upper
152	100		
115	62.3	44.6	133.8
150	156.0	0.0	349.8



Sample Results: **VX047472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047472.D
Acq On : 21 Aug 2025 15:53
Operator : JC/MD
Sample : Q2903-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047472.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.160	10	12	24	rVB2	13452	22021	1.54%	0.244%
2	1.264	24	29	48	rBV	402526	1166392	81.66%	12.900%
3	5.397	697	707	724	rBV3	148461	475734	33.31%	5.262%
4	5.562	724	734	758	rVB	211429	660633	46.25%	7.307%
5	5.964	790	800	822	rBV	166566	485886	34.02%	5.374%
6	6.769	922	932	954	rBV	404451	1026542	71.87%	11.354%
7	7.391	1024	1034	1041	rBV4	12172	30952	2.17%	0.342%
8	8.652	1234	1241	1257	rVB	836085	1350788	94.57%	14.940%
9	10.055	1465	1471	1488	rBV	986216	1354046	94.80%	14.976%
10	11.079	1634	1639	1655	rBV	803471	1024563	71.73%	11.332%
11	12.018	1788	1793	1808	rBV	1156963	1428362	100.00%	15.798%
12	13.780	2076	2082	2089	rBV2	9329	15536	1.09%	0.172%

Sum of corrected areas: 9041455

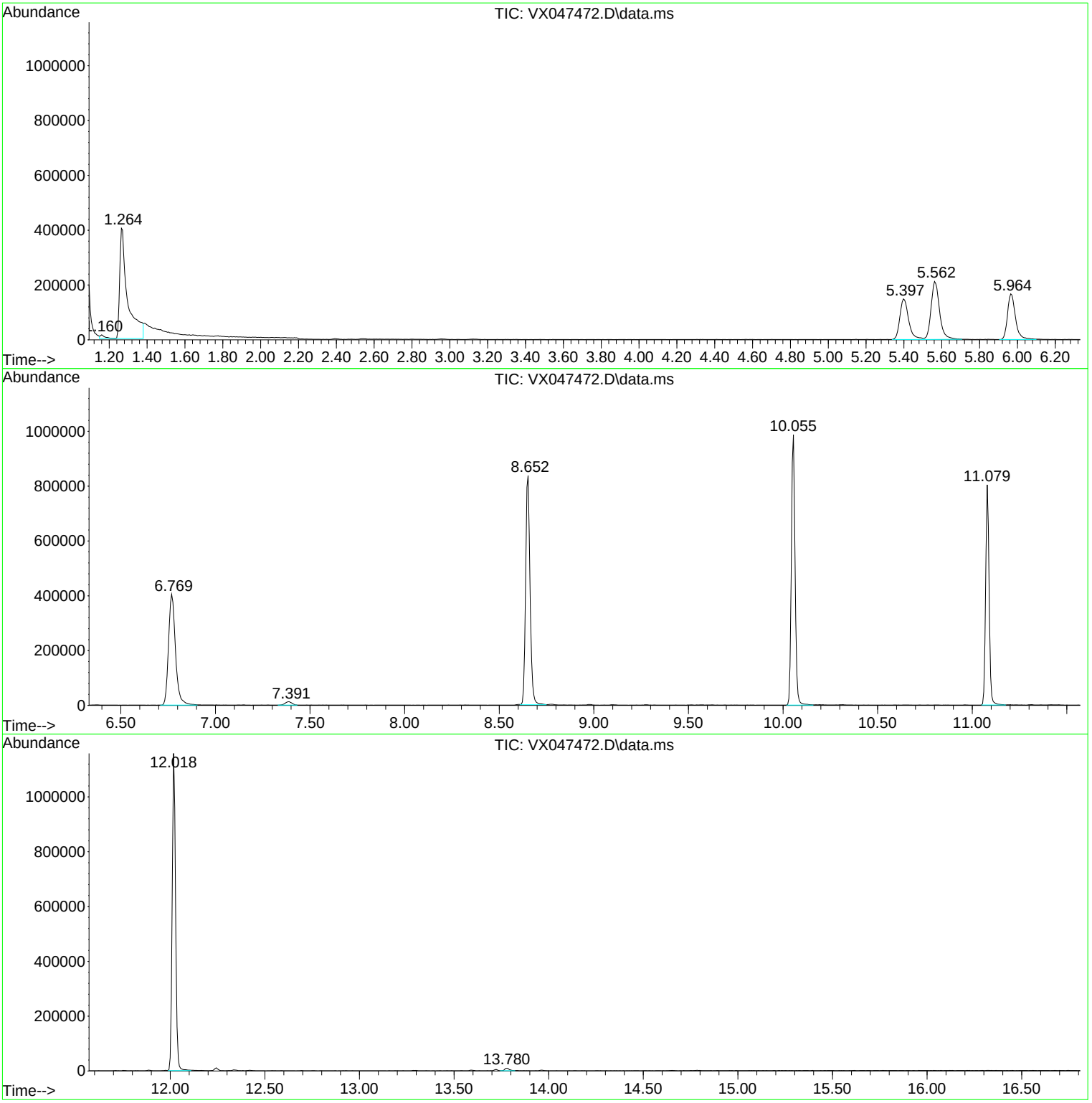
Sample Results: **VX047472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047472.D
Acq On : 21 Aug 2025 15:53
Operator : JC/MD
Sample : Q2903-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047472.D
Acq On : 21 Aug 2025 15:53
Operator : JC/MD
Sample : Q2903-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

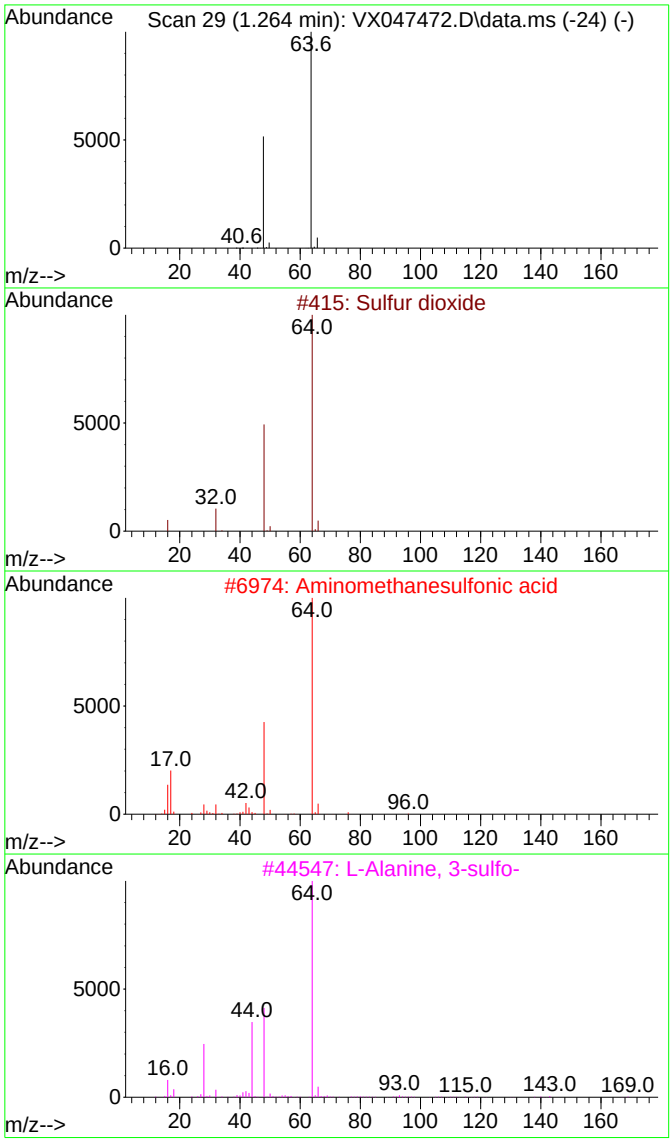
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

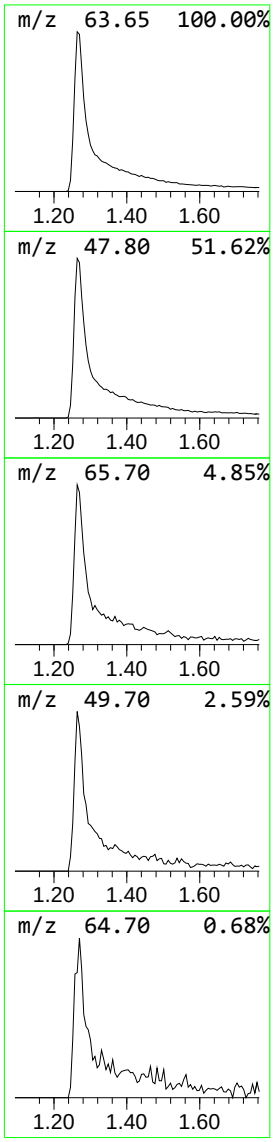
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	88.28 ug/l	1166390	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Sample Results: **VX047472.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047472.D
Acq On : 21 Aug 2025 15:53
Operator : JC/MD
Sample : Q2903-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6A-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.264	88.3	ug/l	1166390	1	5.562	660633	50.0

Raw Data: **VX047473.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-1C-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047473.D	1	08/21/25 16:14	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	2.40	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.54	J	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	6.90		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	13.9		0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.36	J	0.22	5.00	ug/L
79-01-6	Trichloroethene	9.70		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	0.81	J	0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-1C-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047473.D	1	08/21/25 16:14	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	36.9		0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	9.60		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	1.90	J	0.24	10.0	ug/L
95-47-6	o-Xylene	3.50	J	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	2.00	J	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.0	*	74 - 125	130%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	50.6		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.6		77 - 121	119%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	228000	5.562			
540-36-3	1,4-Difluorobenzene	475000	6.769			
3114-55-4	Chlorobenzene-d5	480000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	255000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047473.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-1C-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047473.D	1	08/21/25 16:14	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	73.9	J		1.26	ug/L
103-65-1	n-propylbenzene	1.40	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.71	J		11.5	ug/L
95-63-6	1,2,4-Trimethylbenzene	7.10	J		11.8	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	8.10	J		12.1	ug/L
000873-49-4	Benzene, cyclopropyl-	9.10	J		12.2	ug/L
000095-13-6	Indene	8.90	J		12.4	ug/L
000527-84-4	o-Cymene	8.80	J		12.6	ug/L
002177-47-1	2-Methylindene	15.0	J		13.4	ug/L
000581-40-8	Naphthalene, 2,3-dimethyl-	9.90	J		15.6	ug/L

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\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Quant Time: Aug 22 03:50:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

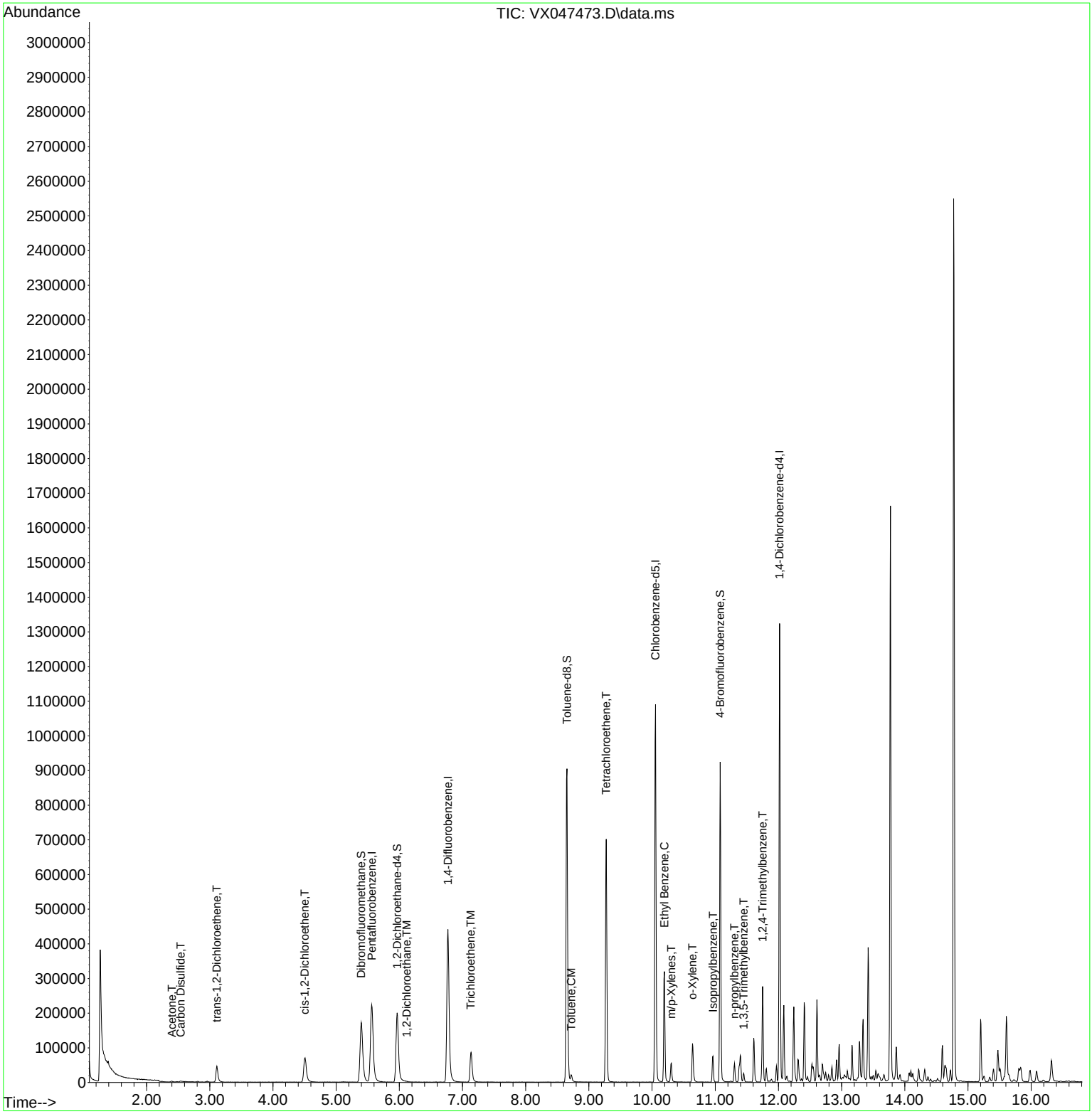
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	227781	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	475332	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	479784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	255083	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	207314	65.032	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 130.060%#			
35) Dibromofluoromethane	5.397	113	161169	52.244	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.480%			
50) Toluene-d8	8.653	98	558348	50.637	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.280%			
62) 4-Bromofluorobenzene	11.079	95	242409	59.575	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.160%			
Target Compounds						Qvalue
16) Acetone	2.398	43	2858	2.385	ug/l	93
17) Carbon Disulfide	2.538	76	4704	0.544	ug/l #	92
21) trans-1,2-Dichloroethene	3.111	96	21050	6.915	ug/l	91
27) cis-1,2-Dichloroethene	4.501	96	49245	13.890	ug/l	91
42) 1,2-Dichloroethane	6.117	62	1864	0.361	ug/l	84
44) Trichloroethene	7.129	130	36258	9.715	ug/l	95
52) Toluene	8.720	92	7300	0.810	ug/l	90
64) Tetrachloroethene	9.275	164	128145	36.926	ug/l	97
67) Ethyl Benzene	10.195	91	189272	9.645	ug/l	100
68) m/p-Xylenes	10.305	106	13623	1.862	ug/l	99
69) o-Xylene	10.640	106	24358	3.459	ug/l	99
73) Isopropylbenzene	10.963	105	39594	1.984	ug/l	97
78) n-propylbenzene	11.305	91	33871	1.421	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	11697	0.712	ug/l	95
84) 1,2,4-Trimethylbenzene	11.750	105	116738	7.108	ug/l	98

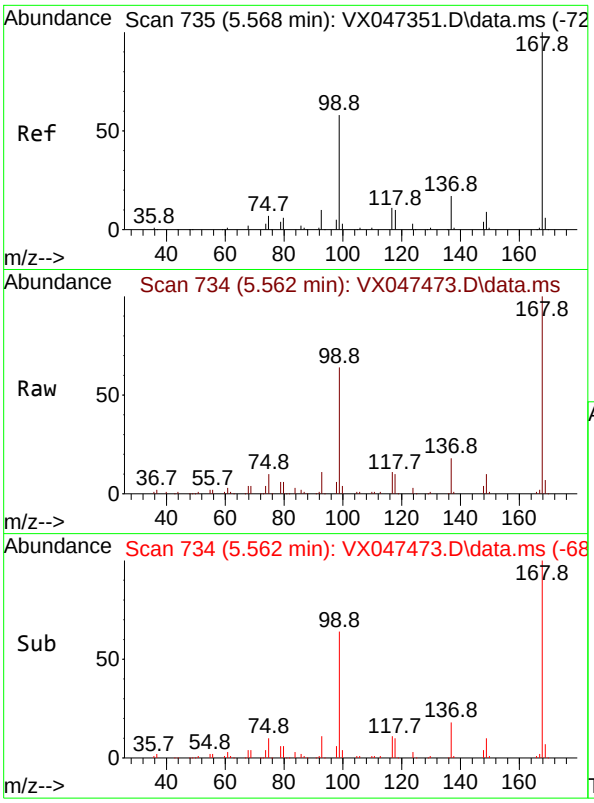
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Quant Time: Aug 22 03:50:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



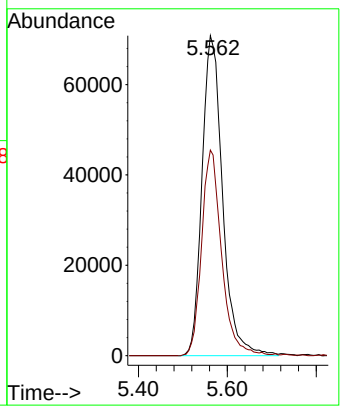


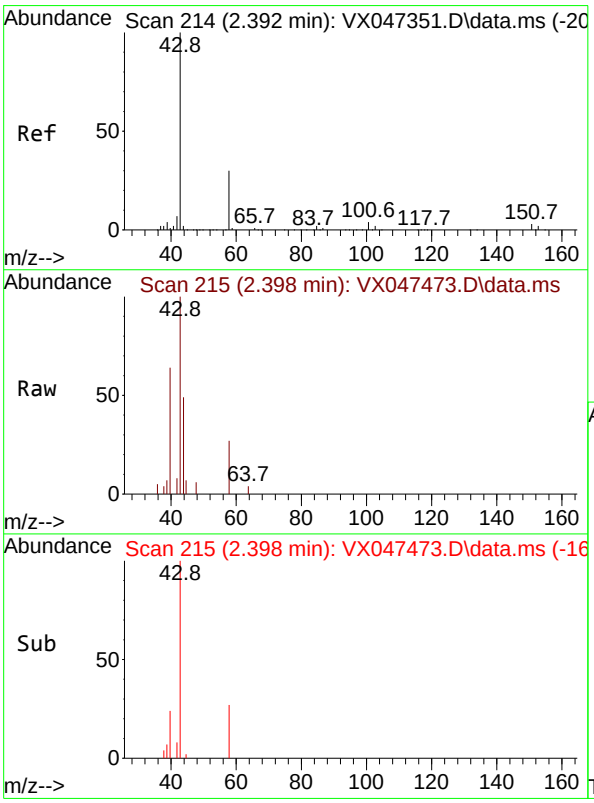
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion:168 Resp: 227781

Ion	Ratio	Lower	Upper
168	100		
99	64.3	47.9	71.9

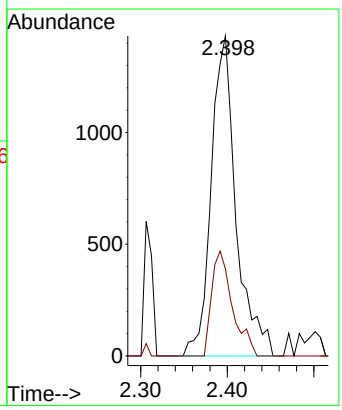


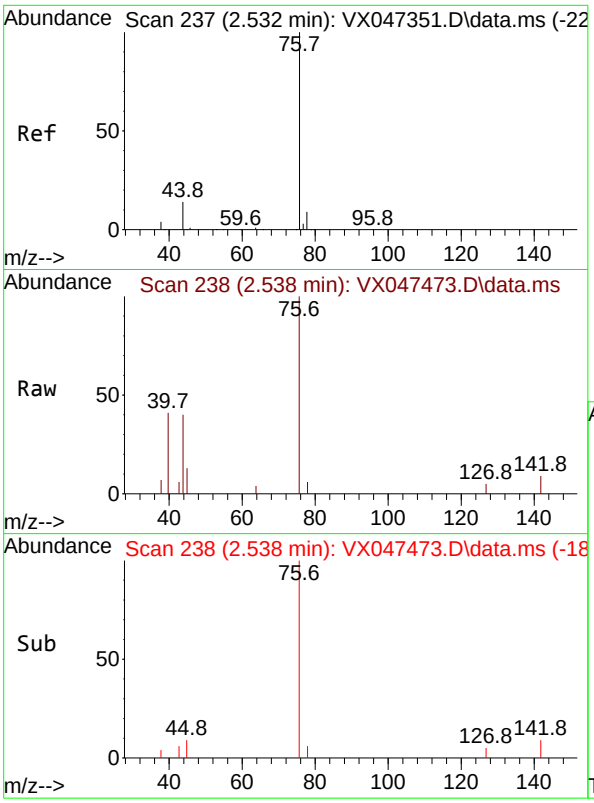


#16
Acetone
Concen: 2.385 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion: 43 Resp: 2858

Ion	Ratio	Lower	Upper
43	100		
58	27.2	24.8	37.2



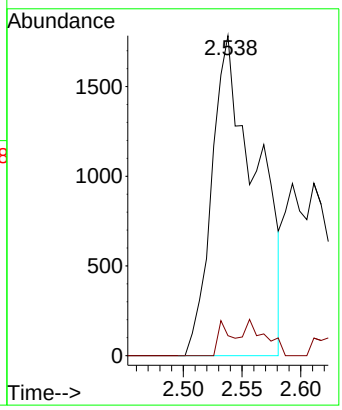


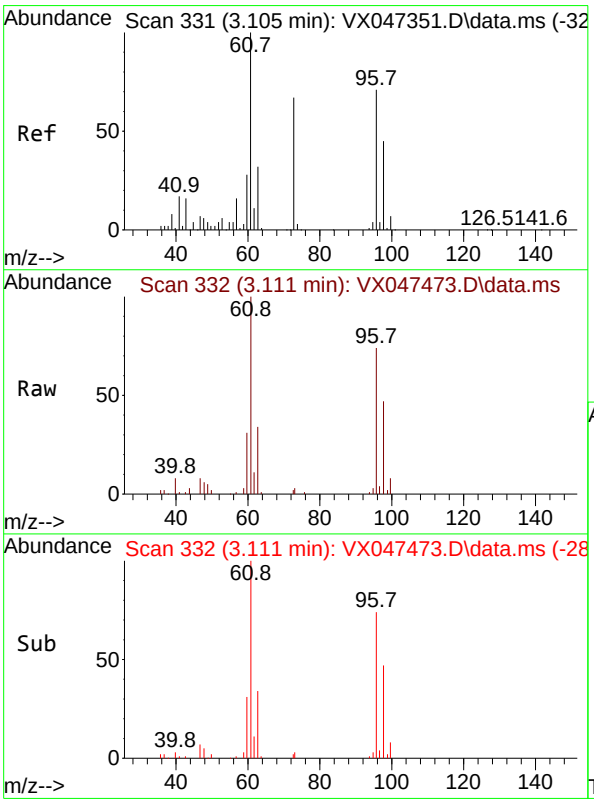
#17
Carbon Disulfide
Concen: 0.544 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion: 76 Resp: 4704

Ion	Ratio	Lower	Upper
76	100		
78	6.2	7.2	10.8#

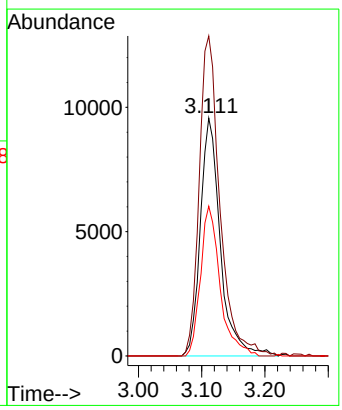


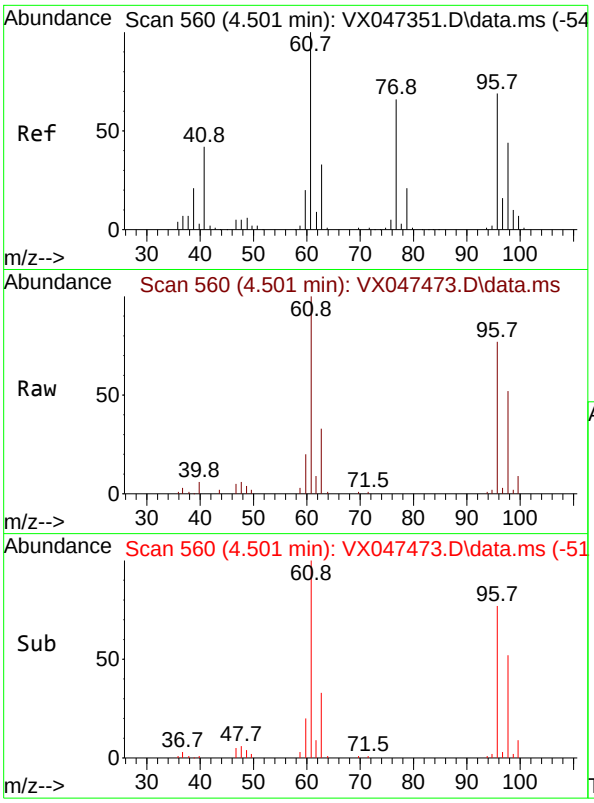


#21
trans-1,2-Dichloroethene
Concen: 6.915 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion: 96 Resp: 21050

Ion	Ratio	Lower	Upper
96	100		
61	127.9	112.6	169.0
98	59.8	50.9	76.3



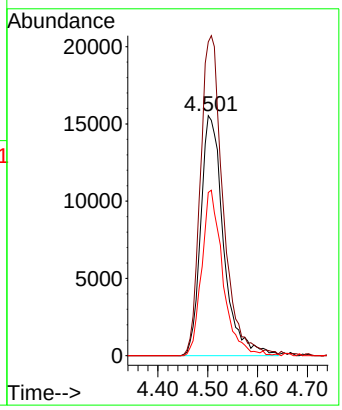


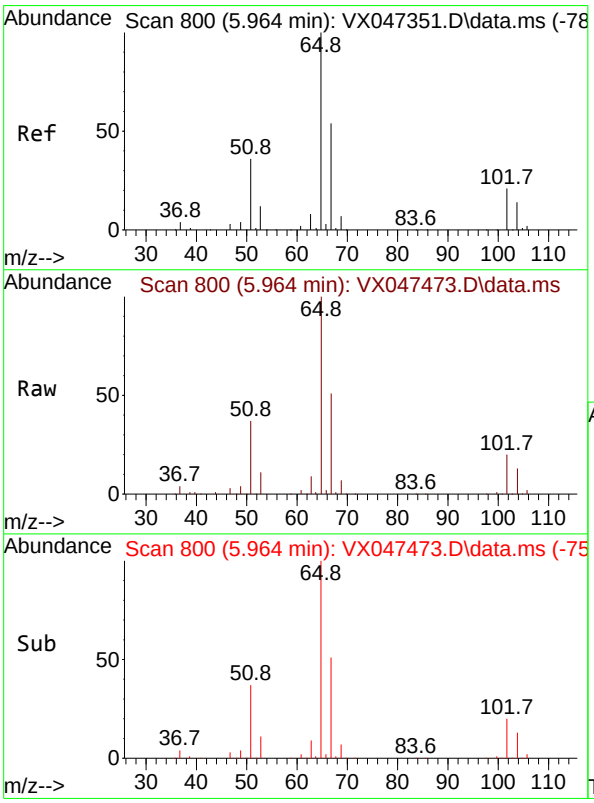
#27
cis-1,2-Dichloroethene
Concen: 13.890 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion: 96 Resp: 49245

Ion	Ratio	Lower	Upper
96	100		
61	132.8	0.0	296.6
98	64.0	0.0	130.4

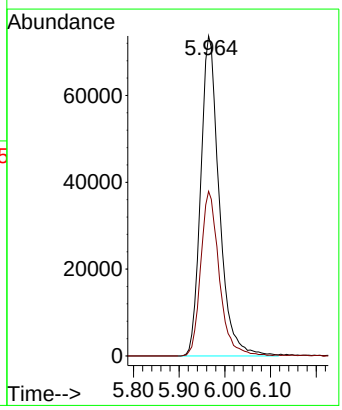


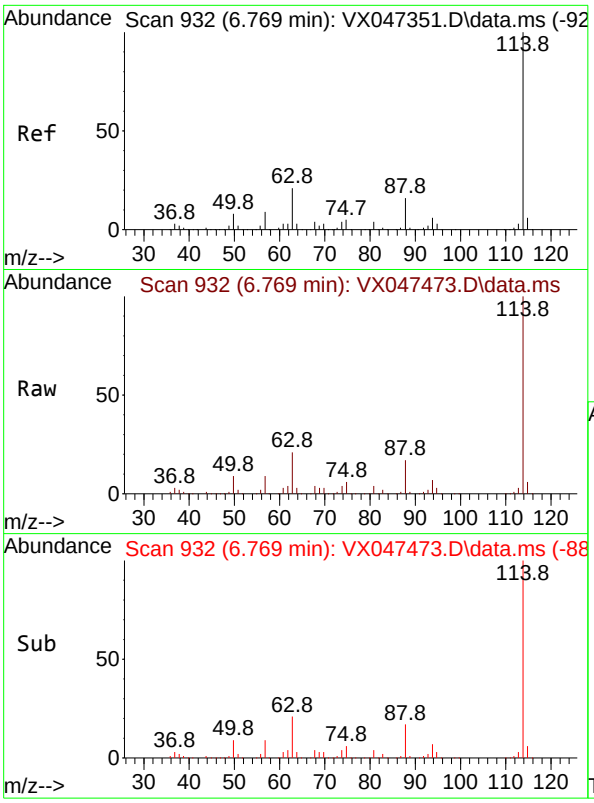


#33
1,2-Dichloroethane-d4
Concen: 65.032 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion: 65 Resp: 207314

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	106.0



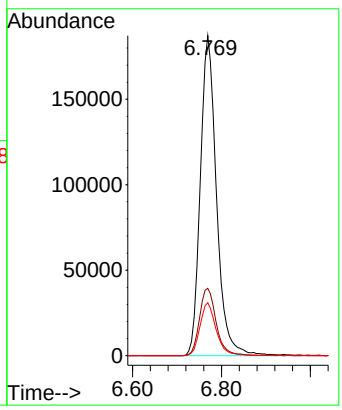


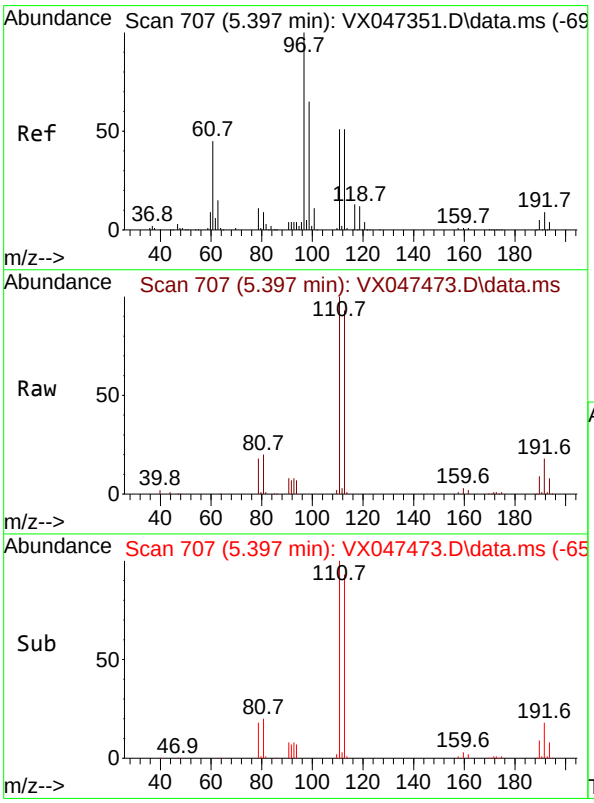
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion:114 Resp: 475332

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.4
88	16.6	0.0	33.0

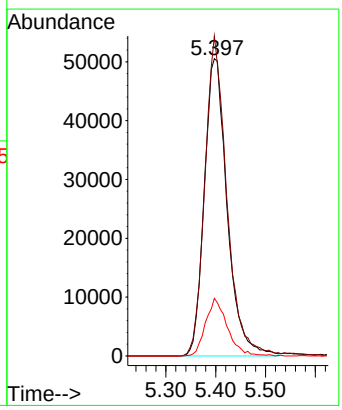


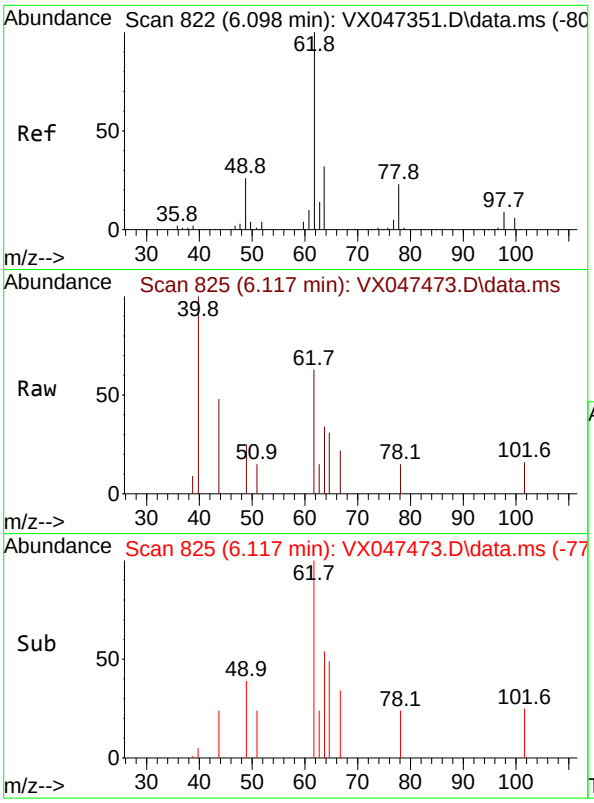


#35
Dibromofluoromethane
Concen: 52.244 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion:113 Resp: 161169

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.2
192	18.4	14.1	21.1



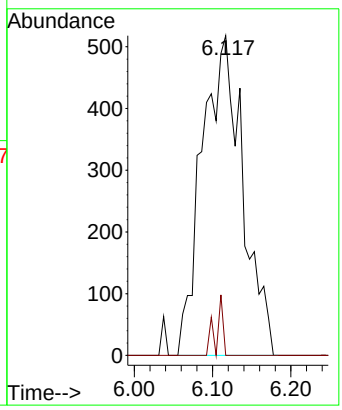


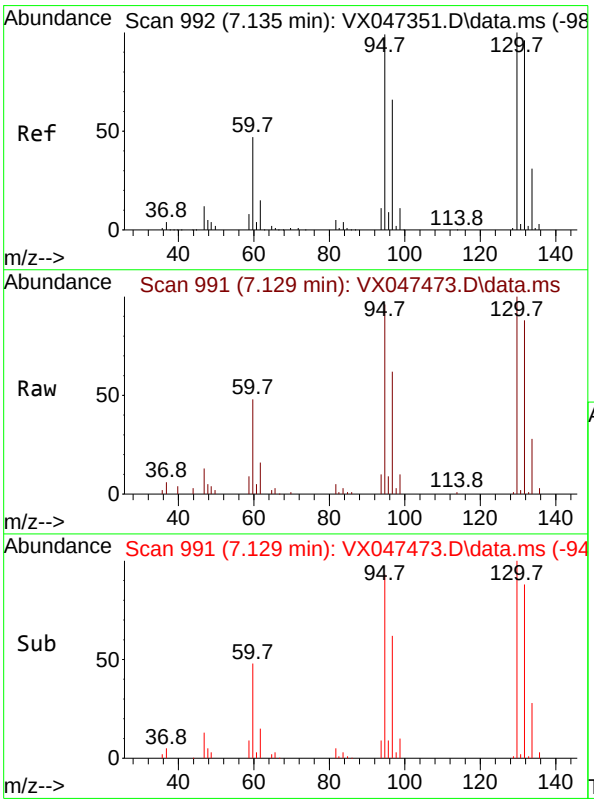
#42
1,2-Dichloroethane
Concen: 0.361 ug/l
RT: 6.117 min Scan# 8
Delta R.T. 0.018 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion: 62 Resp: 1864

Ion	Ratio	Lower	Upper
62	100		
98	3.2	0.0	18.0

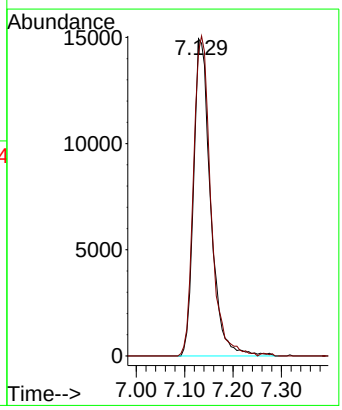


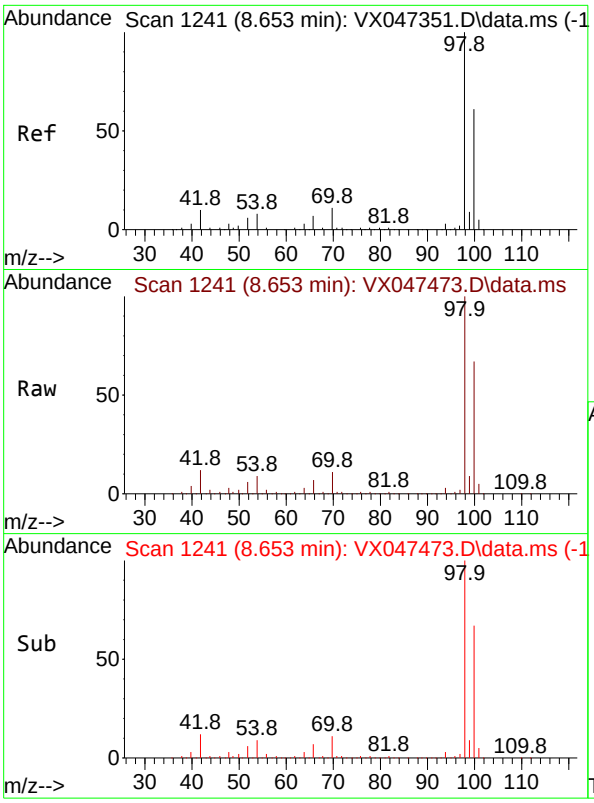


#44
Trichloroethene
Concen: 9.715 ug/l
RT: 7.129 min Scan# 991
Delta R.T. -0.006 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion:130 Resp: 36258

Ion	Ratio	Lower	Upper
130	100		
95	104.3	0.0	198.6



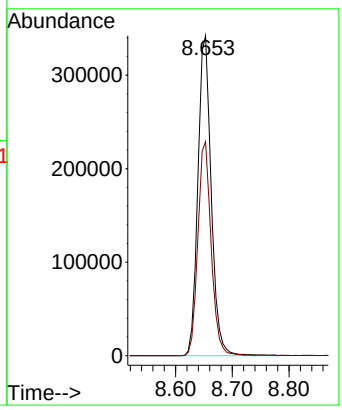


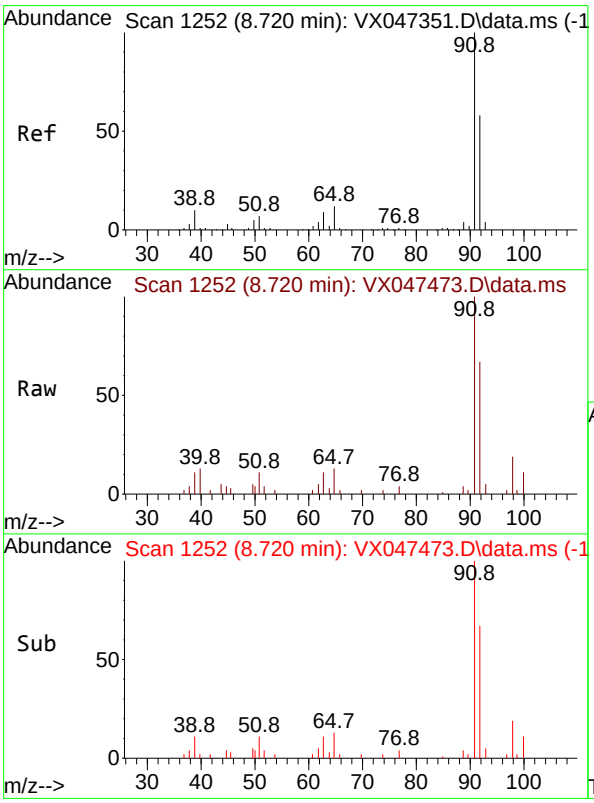
#50
Toluene-d8
Concen: 50.637 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion: 98 Resp: 558348

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.9	80.9

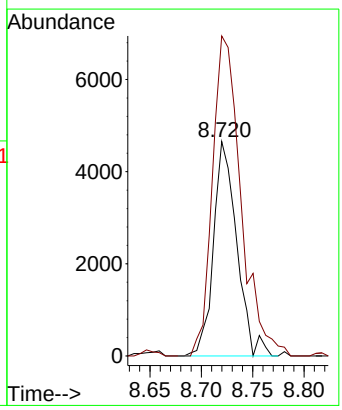


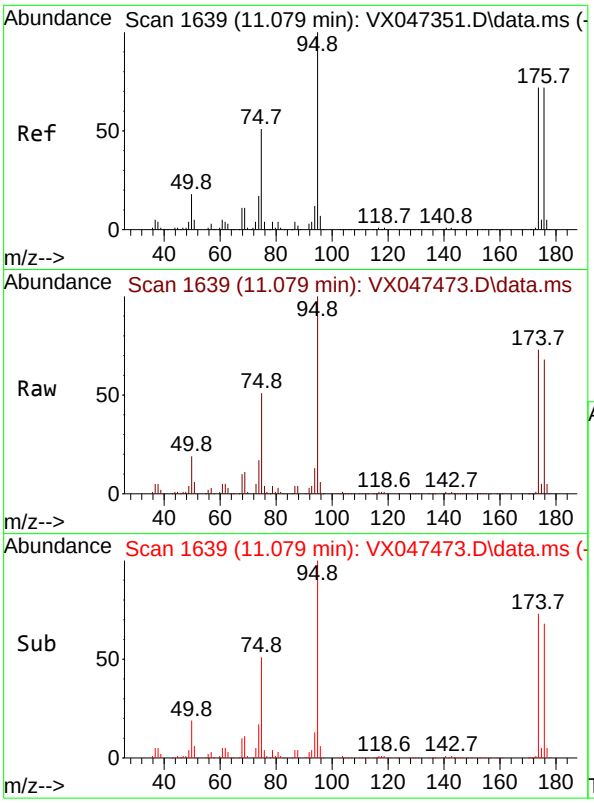


#52
Toluene
Concen: 0.810 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion: 92 Resp: 7300

Ion	Ratio	Lower	Upper
92	100		
91	183.6	136.3	204.5



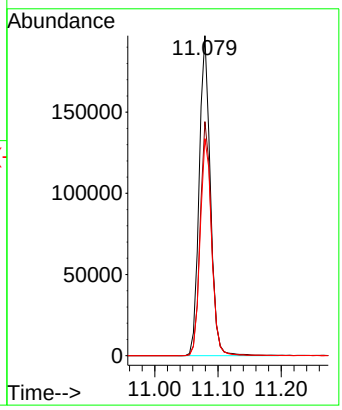


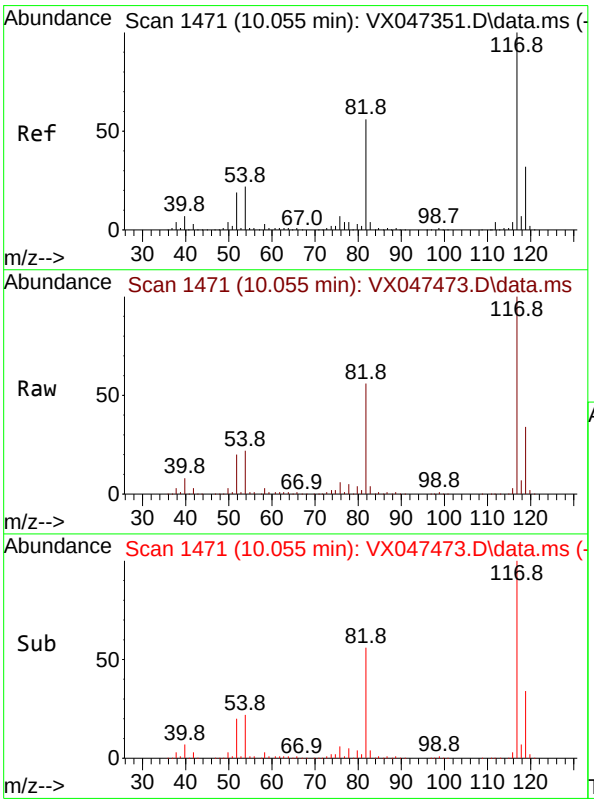
#62
4-Bromofluorobenzene
Concen: 59.575 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion: 95 Resp: 242409

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	148.0
176	70.0	0.0	145.4

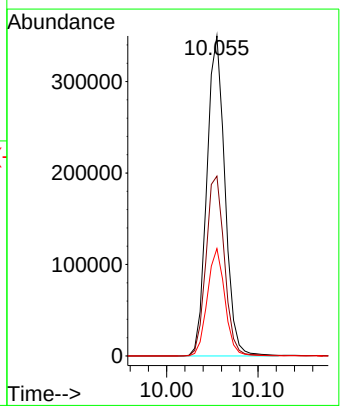


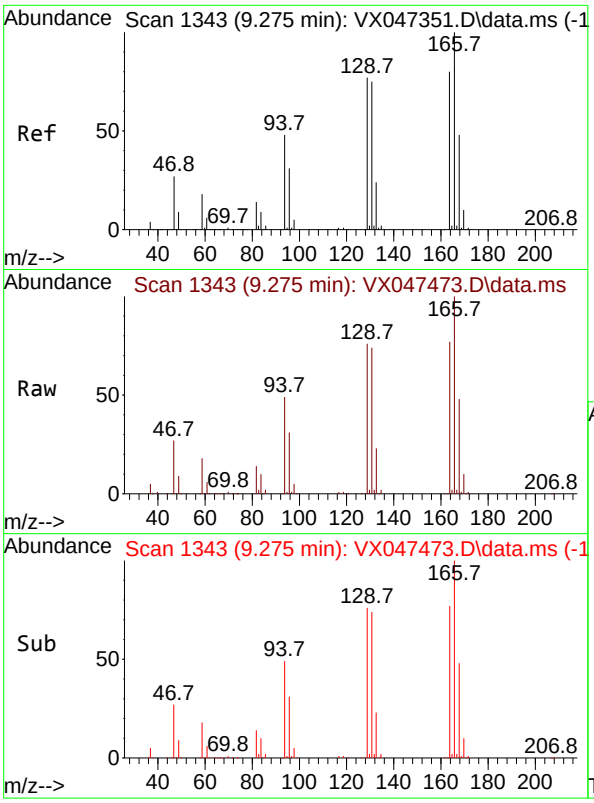


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion:117 Resp: 479784

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.0	67.4
119	33.5	25.8	38.8



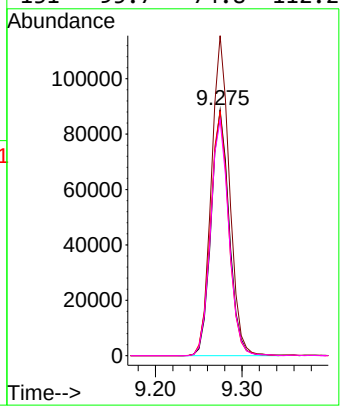


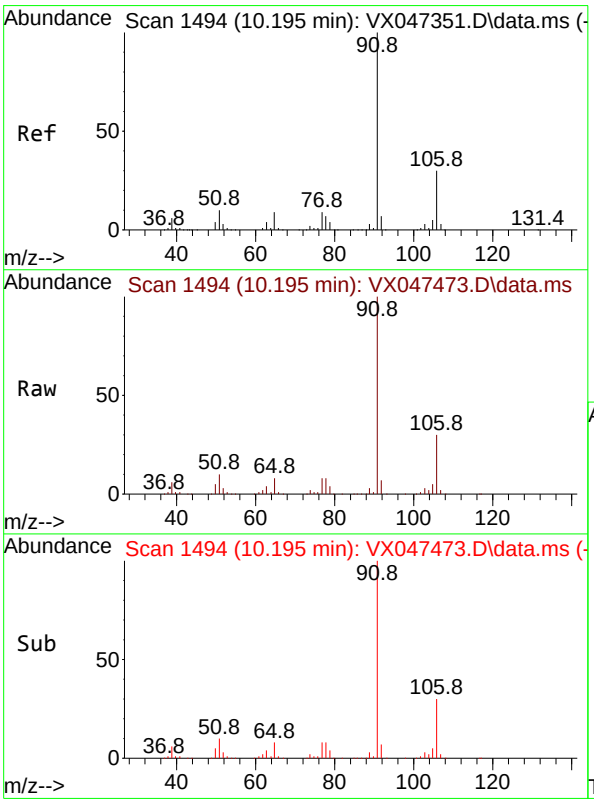
#64
Tetrachloroethene
Concen: 36.926 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion:164 Resp: 128145

Ion	Ratio	Lower	Upper
164	100		
166	130.2	100.3	150.5
129	99.4	77.7	116.5
131	95.7	74.8	112.2

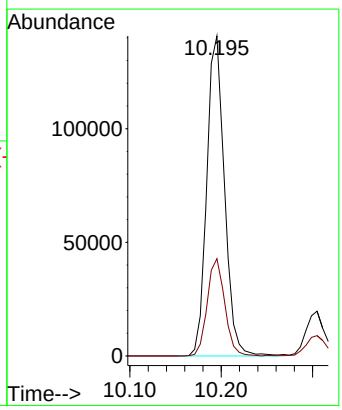


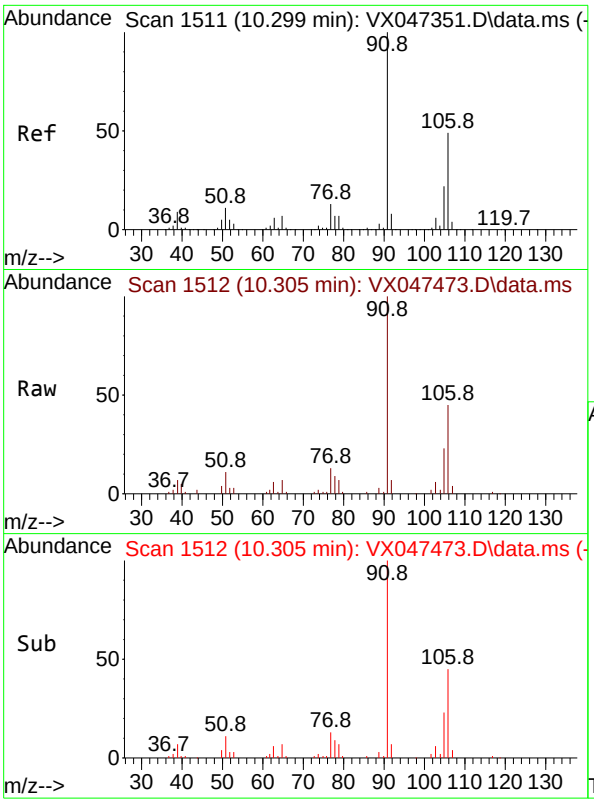


#67
Ethyl Benzene
Concen: 9.645 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion: 91 Resp: 189272

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.4	36.6



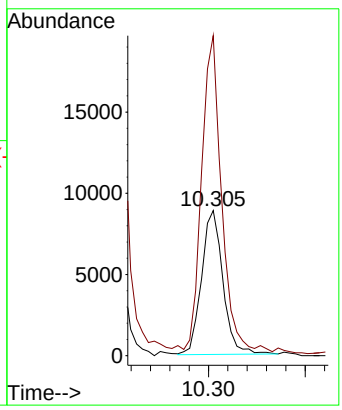


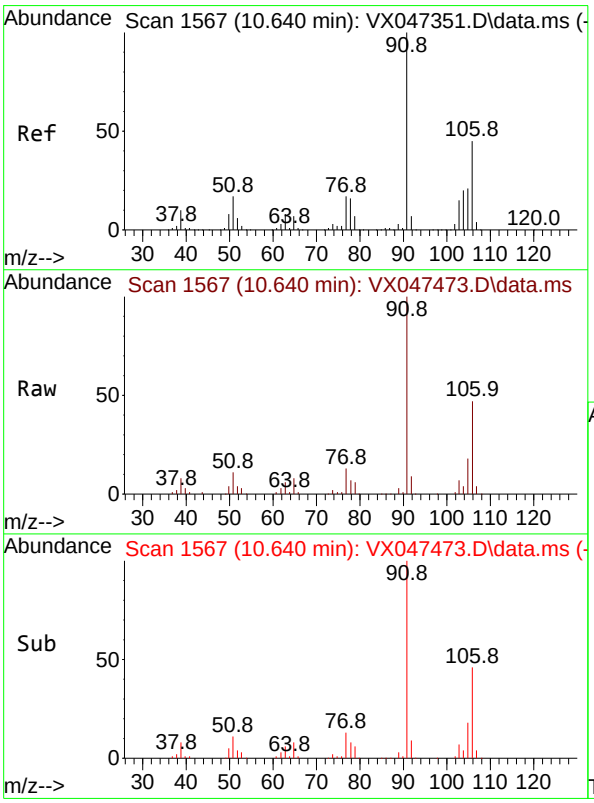
#68
m/p-Xylenes
Concen: 1.862 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion:106 Resp: 13623

Ion	Ratio	Lower	Upper
106	100		
91	207.9	164.7	247.1

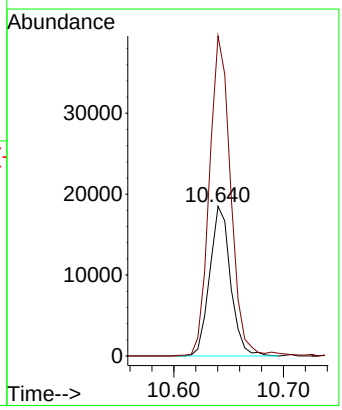


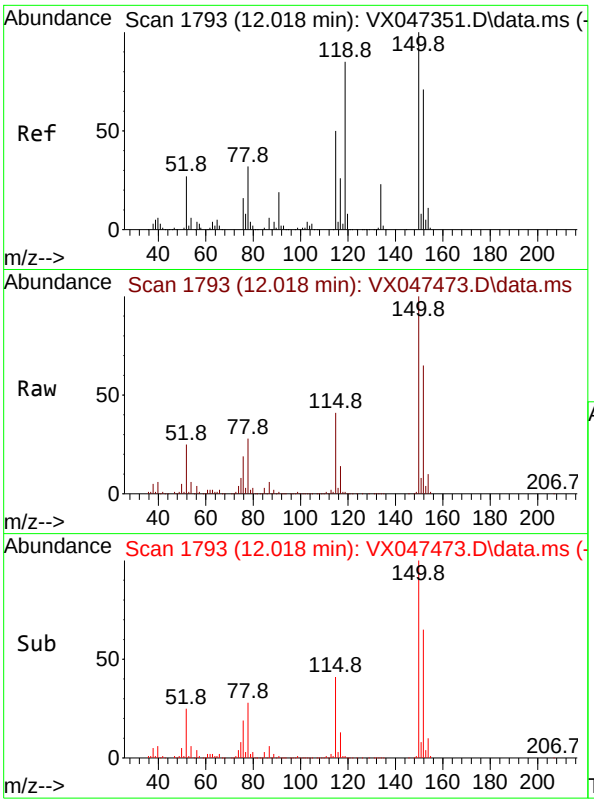


#69
o-Xylene
Concen: 3.459 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion:106 Resp: 24358

Ion	Ratio	Lower	Upper
106	100		
91	219.7	110.6	331.8



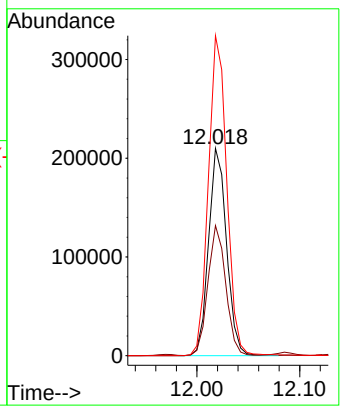


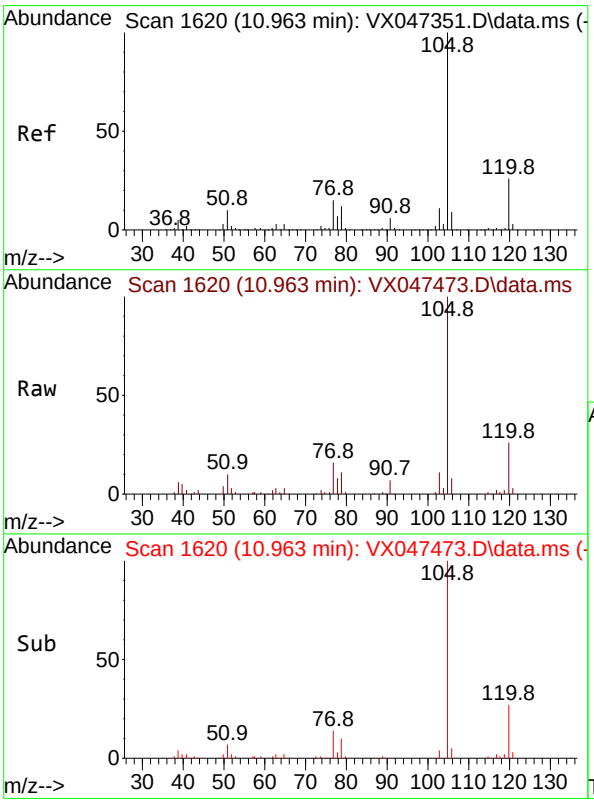
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion:152 Resp: 255083

Ion	Ratio	Lower	Upper
152	100		
115	62.2	44.6	133.8
150	157.8	0.0	349.8

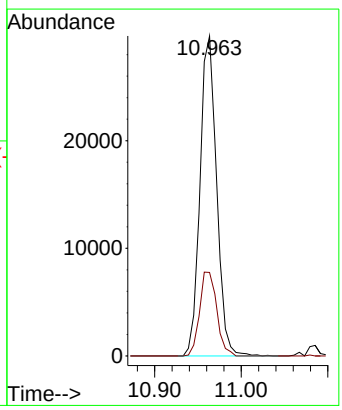


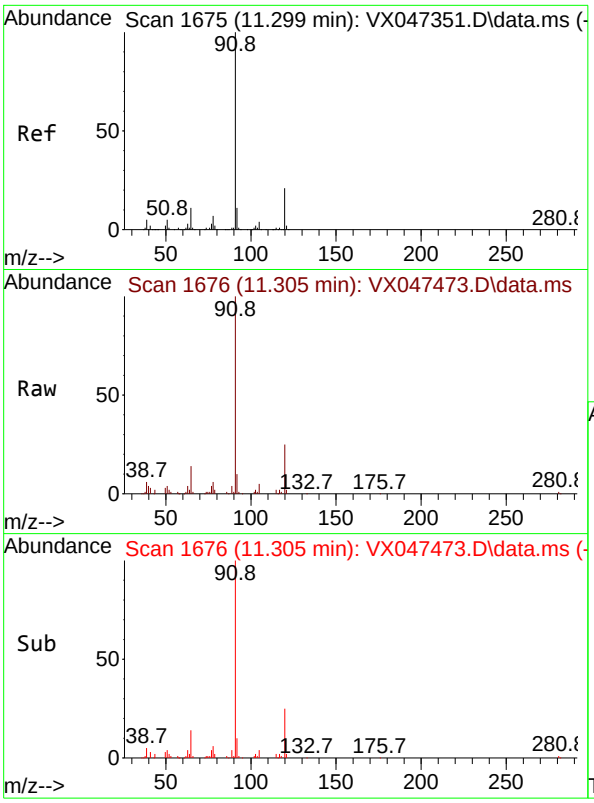


#73
Isopropylbenzene
Concen: 1.984 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion:105 Resp: 39594

Ion	Ratio	Lower	Upper
105	100		
120	27.1	12.9	38.6



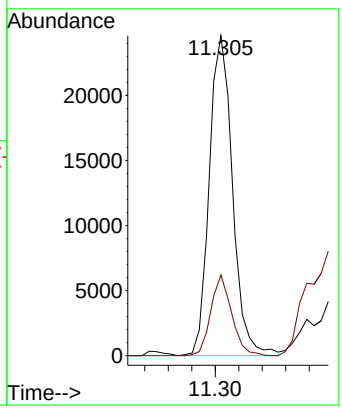


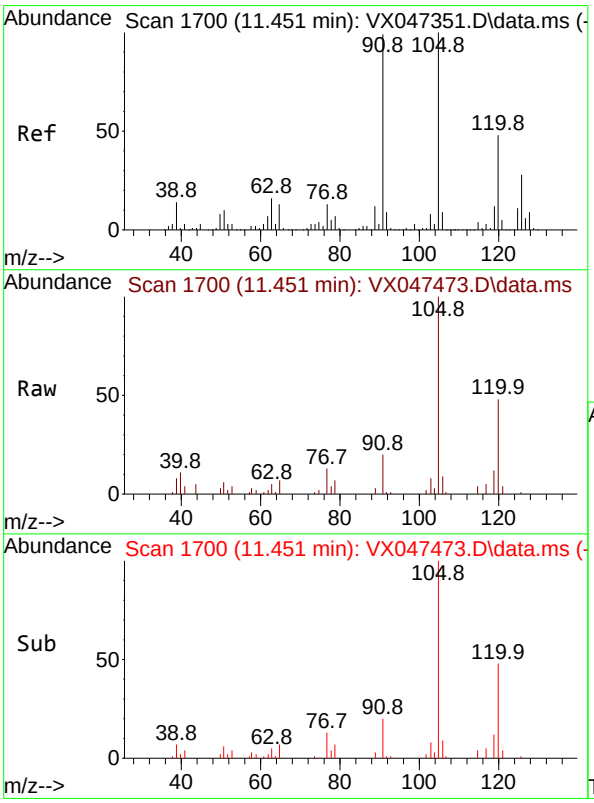
#78
n-propylbenzene
Concen: 1.421 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion: 91 Resp: 33871

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.0	33.0

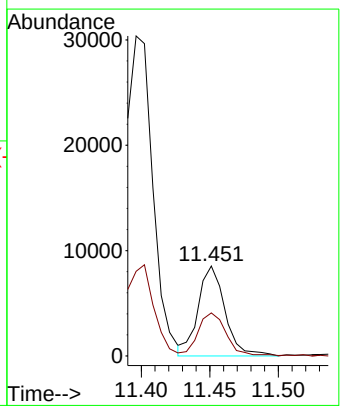


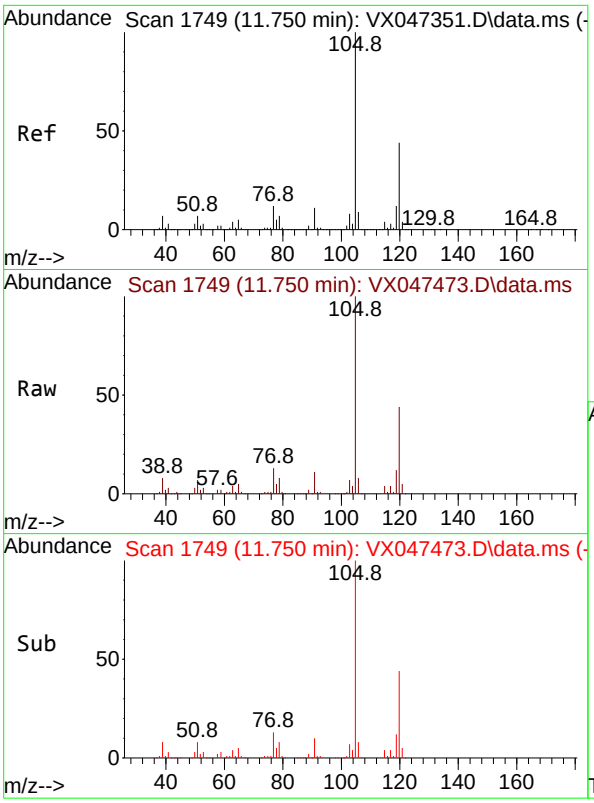


#80
1,3,5-Trimethylbenzene
Concen: 0.712 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Tgt Ion:105 Resp: 11697

Ion	Ratio	Lower	Upper
105	100		
120	50.9	23.9	71.7



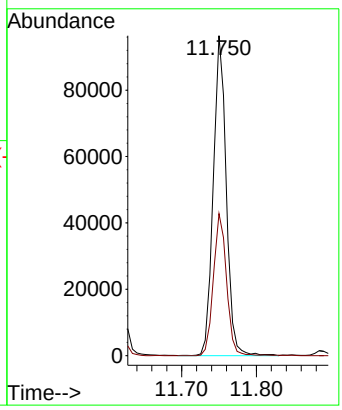


#84
1,2,4-Trimethylbenzene
Concen: 7.108 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047473.D
Acq: 21 Aug 2025 16:14

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Tgt Ion:105 Resp: 116738

Ion	Ratio	Lower	Upper
105	100		
120	44.9	21.9	65.7



Sample Results: **VX047473.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047473.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	48	rBV	378607	1030617	31.12%	4.553%
2	3.111	326	332	351	rVB	45783	105132	3.17%	0.464%
3	4.507	549	561	578	rBV	70067	214027	6.46%	0.946%
4	5.397	694	707	723	rBV3	171723	532087	16.07%	2.351%
5	5.562	723	734	756	rVB	221837	697260	21.06%	3.081%
6	5.964	790	800	821	rBV	199688	570393	17.22%	2.520%
7	6.769	922	932	957	rBV	440503	1130985	34.15%	4.997%
8	7.135	984	992	1011	rBV	85477	207887	6.28%	0.918%
9	8.653	1234	1241	1249	rBV	903931	1495443	45.16%	6.607%
10	8.720	1249	1252	1260	rVB	19911	35006	1.06%	0.155%
11	9.275	1336	1343	1355	rBV3	700832	1030028	31.10%	4.551%
12	10.055	1465	1471	1488	rBV	1089389	1507467	45.52%	6.660%
13	10.195	1488	1494	1502	rVV	318220	433751	13.10%	1.916%
14	10.305	1505	1512	1519	rVB	53812	81970	2.48%	0.362%
15	10.640	1562	1567	1582	rVB	111195	166813	5.04%	0.737%
16	10.963	1615	1620	1630	rVB	74119	100971	3.05%	0.446%
17	11.079	1634	1639	1653	rBV	923228	1151220	34.76%	5.086%
18	11.305	1671	1676	1684	rVB	53670	70163	2.12%	0.310%
19	11.396	1684	1691	1696	rVV	77071	152765	4.61%	0.675%
20	11.451	1696	1700	1707	rVB	24957	34181	1.03%	0.151%
21	11.610	1720	1726	1737	rBV	126600	170920	5.16%	0.755%
22	11.750	1741	1749	1755	rBV	275662	348157	10.51%	1.538%
23	11.811	1755	1759	1763	rVB	36880	46191	1.39%	0.204%
24	11.969	1780	1785	1788	rBV	46412	57040	1.72%	0.252%
25	12.018	1788	1793	1800	rVV	1319661	1615734	48.79%	7.139%
26	12.085	1800	1804	1809	rVB	215010	260206	7.86%	1.150%
27	12.244	1823	1830	1837	rBV2	216621	293537	8.86%	1.297%
28	12.311	1837	1841	1848	rBV3	62673	96616	2.92%	0.427%
29	12.408	1853	1857	1863	rBV	226312	288468	8.71%	1.275%
30	12.530	1872	1877	1879	rBV	51243	72473	2.19%	0.320%
31	12.609	1885	1890	1894	rBV	234786	282920	8.54%	1.250%
32	12.695	1900	1904	1910	rBV3	46930	78145	2.36%	0.345%
33	12.847	1924	1929	1933	rVB	41491	53611	1.62%	0.237%
34	12.920	1937	1941	1944	rBV	59469	70437	2.13%	0.311%
35	12.963	1944	1948	1953	rVB	101279	125540	3.79%	0.555%
36	13.164	1977	1981	1986	rVB	102810	127802	3.86%	0.565%

Sample Results: **VX047473.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

37	13.286	1997	2001	2006	rBV2	105449	139580	4.21%	0.617%
38	13.341	2006	2010	2016	rVB	174083	216938	6.55%	0.958%
39	13.420	2016	2023	2029	rBV	381276	484023	14.62%	2.139%
40	13.542	2039	2043	2046	rBV	26875	34876	1.05%	0.154%
41	13.579	2046	2049	2057	rVB3	19889	41989	1.27%	0.186%
42	13.774	2071	2081	2090	rBV	1658150	1991415	60.13%	8.798%
43	13.865	2090	2096	2101	rVV	97870	138330	4.18%	0.611%
44	14.073	2126	2130	2132	rBV2	23969	34602	1.04%	0.153%
45	14.219	2149	2154	2163	rBV2	35558	57388	1.73%	0.254%
46	14.316	2164	2170	2175	rBV2	33781	51584	1.56%	0.228%
47	14.597	2211	2216	2219	rBV	104529	135041	4.08%	0.597%
48	14.640	2219	2223	2224	rBV	34997	45935	1.39%	0.203%
49	14.725	2232	2237	2240	rBV	32768	43942	1.33%	0.194%
50	14.774	2240	2245	2260	rVB	2545952	3311591	100.00%	14.631%
51	15.200	2308	2315	2320	rBV	180513	244807	7.39%	1.082%
52	15.402	2344	2348	2354	rVB	33843	48002	1.45%	0.212%
53	15.475	2354	2360	2364	rBV	89025	153845	4.65%	0.680%
54	15.505	2364	2365	2371	rVB2	35619	41584	1.26%	0.184%
55	15.609	2371	2382	2388	rBV	185866	319122	9.64%	1.410%
56	15.804	2409	2414	2417	rBV4	37766	69332	2.09%	0.306%
57	15.834	2417	2419	2430	rVB2	40901	64146	1.94%	0.283%
58	15.987	2438	2444	2452	rBV	32815	59020	1.78%	0.261%
59	16.084	2452	2460	2468	rBV	30200	53104	1.60%	0.235%
60	16.322	2492	2499	2510	rBV	60809	117431	3.55%	0.519%

Sum of corrected areas: 22633590

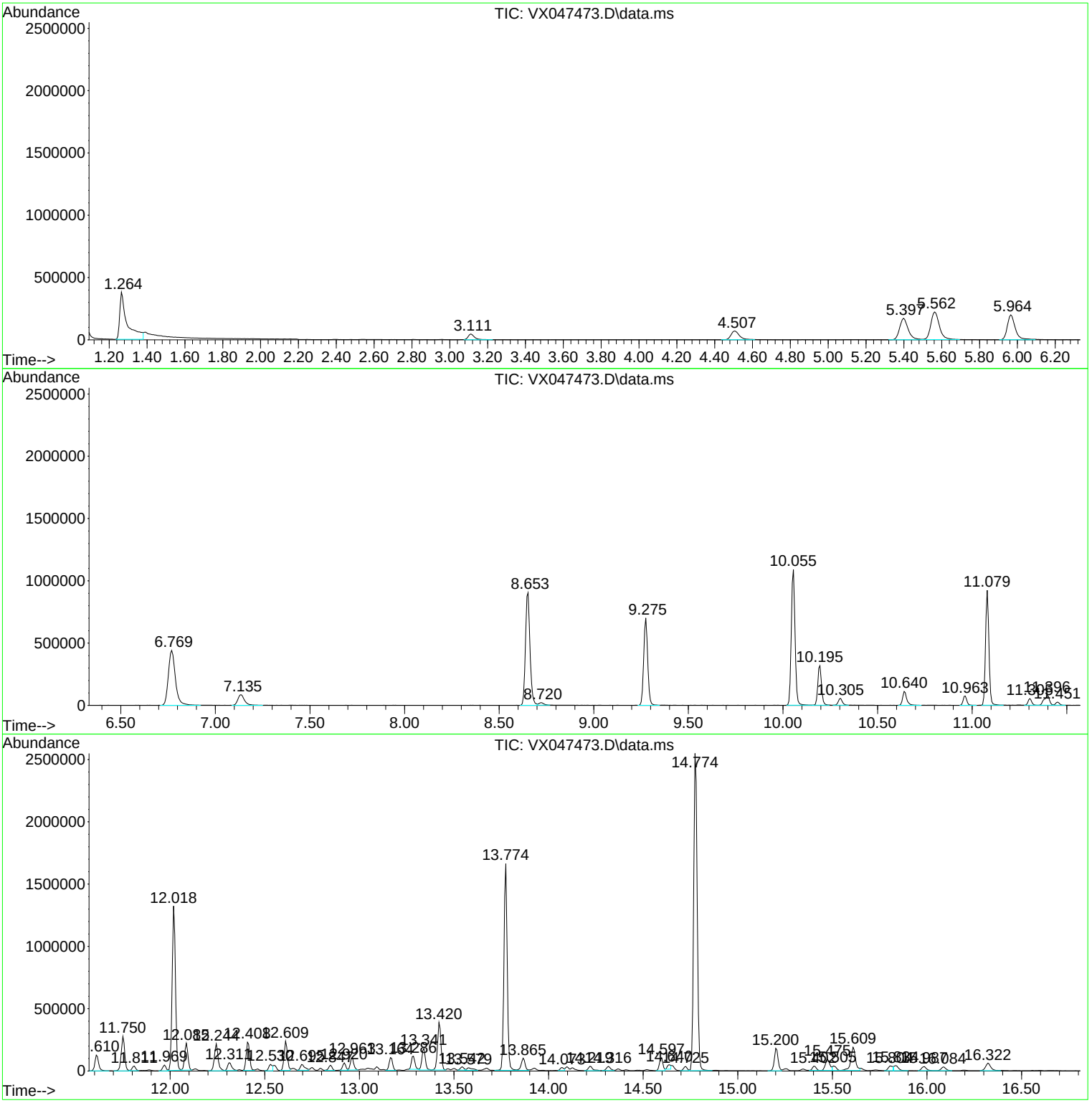
Sample Results: **VX047473.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

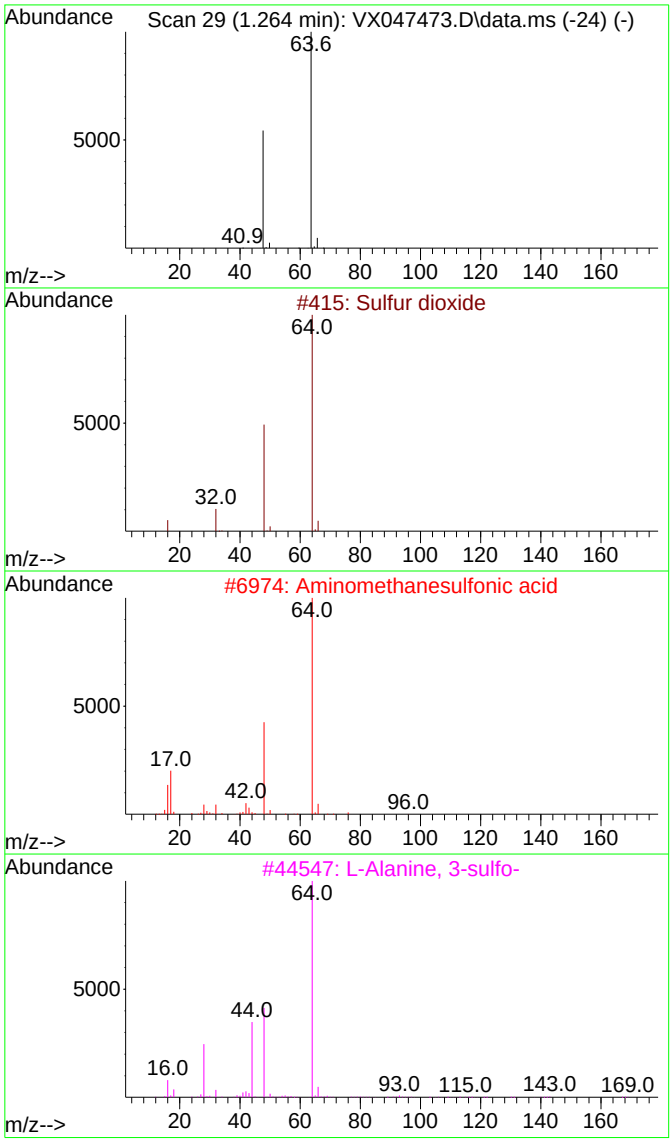
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

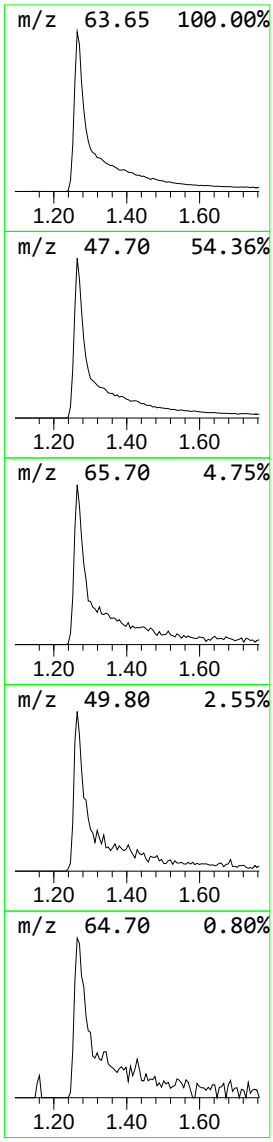
****

Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	73.90 ug/l	1030620	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

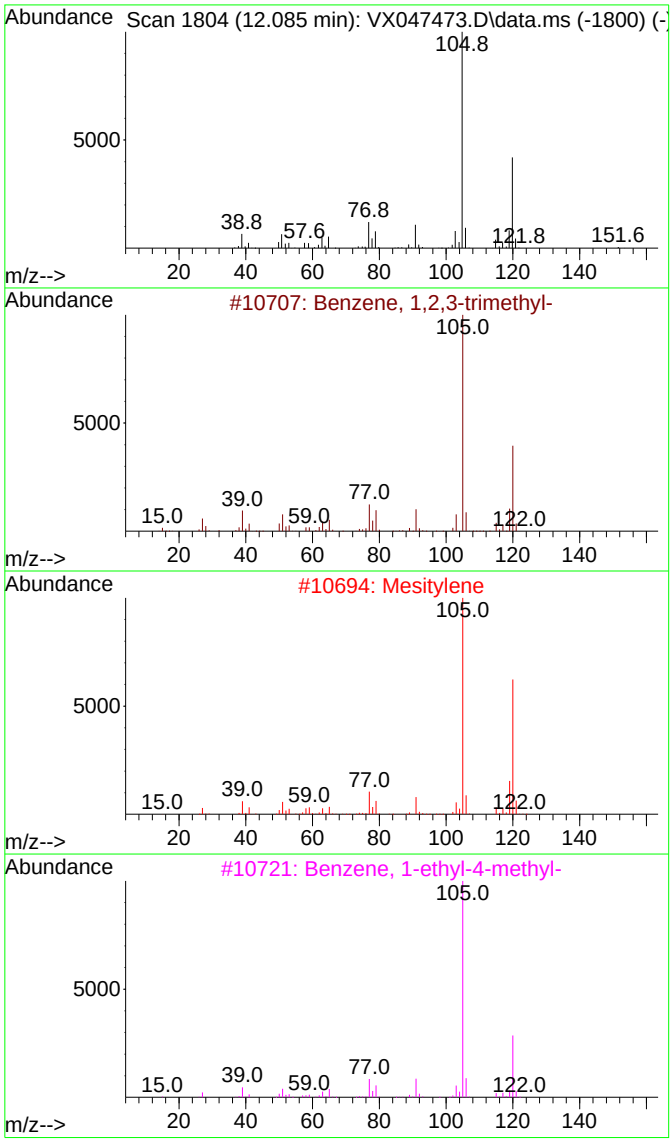
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

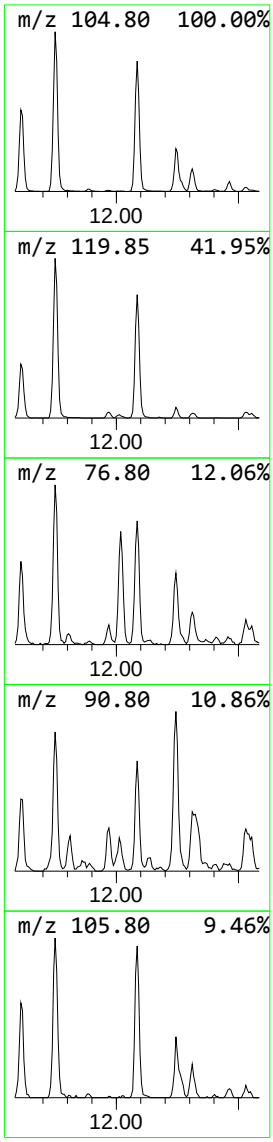
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1,2,3-trimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.085	8.05 ug/l	260206	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
2	Mesitylene	120	C9H12	000108-67-8	94
3	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

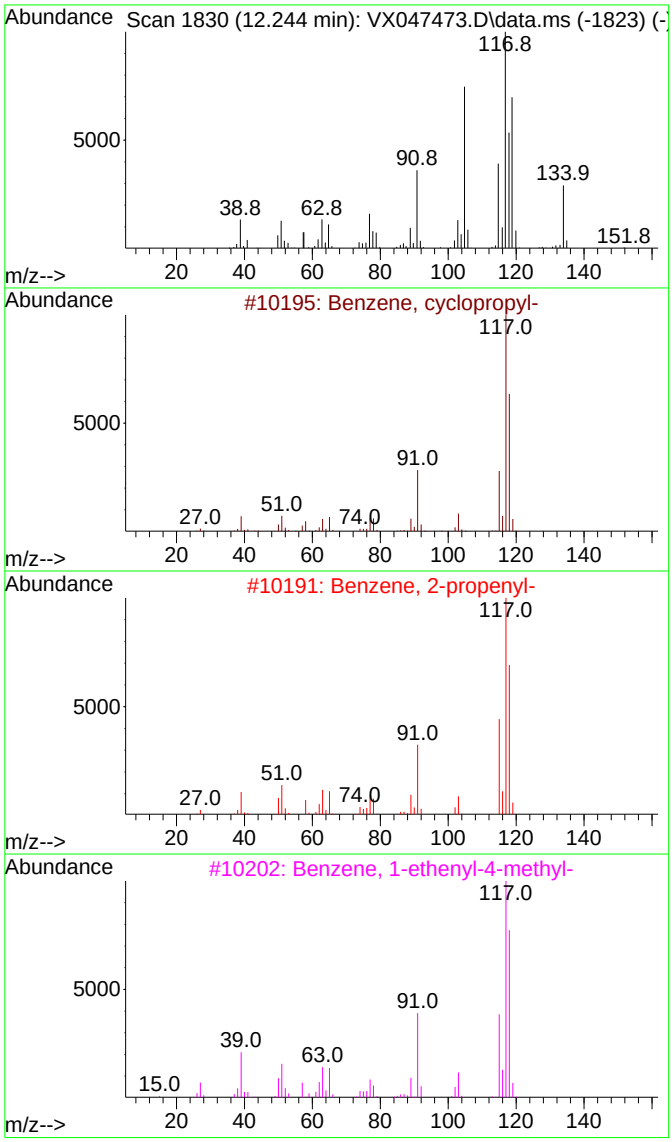
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

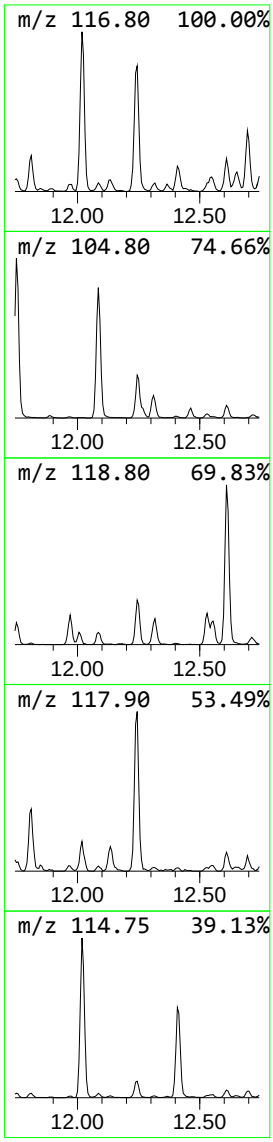
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, cyclopropyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	9.08 ug/l	293537	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, cyclopropyl-	118	C9H10	000873-49-4	90
2	Benzene, 2-propenyl-	118	C9H10	000300-57-2	87
3	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	80
4	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	80
5	Deltacyclene	118	C9H10	007785-10-6	55





Sample Results: **VX047473.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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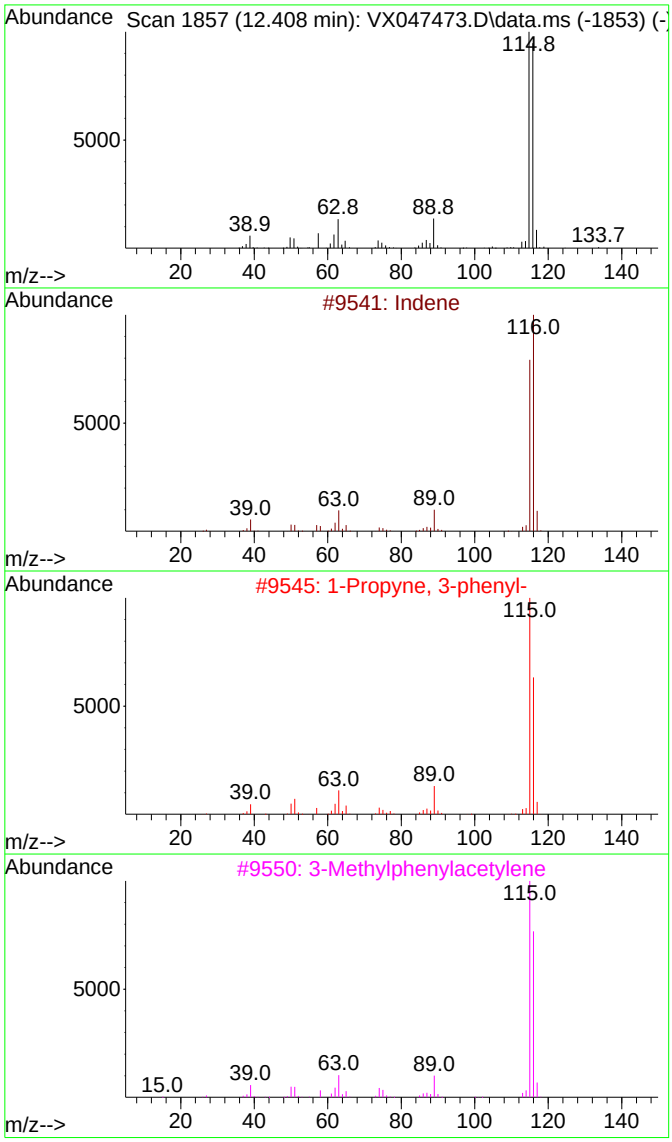
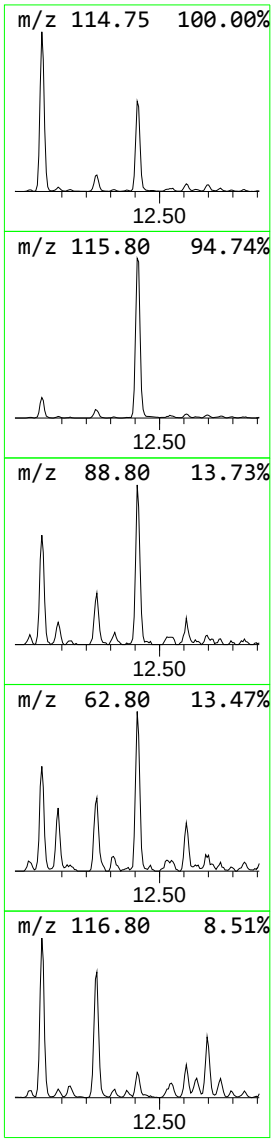
Peak Number 4 Indene Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.408	8.93 ug/l	288468	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	1-Propyne, 3-phenyl-	116	C9H8	010147-11-2	94
3	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
4	Benzene, 1-propynyl-	116	C9H8	000673-32-5	91
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

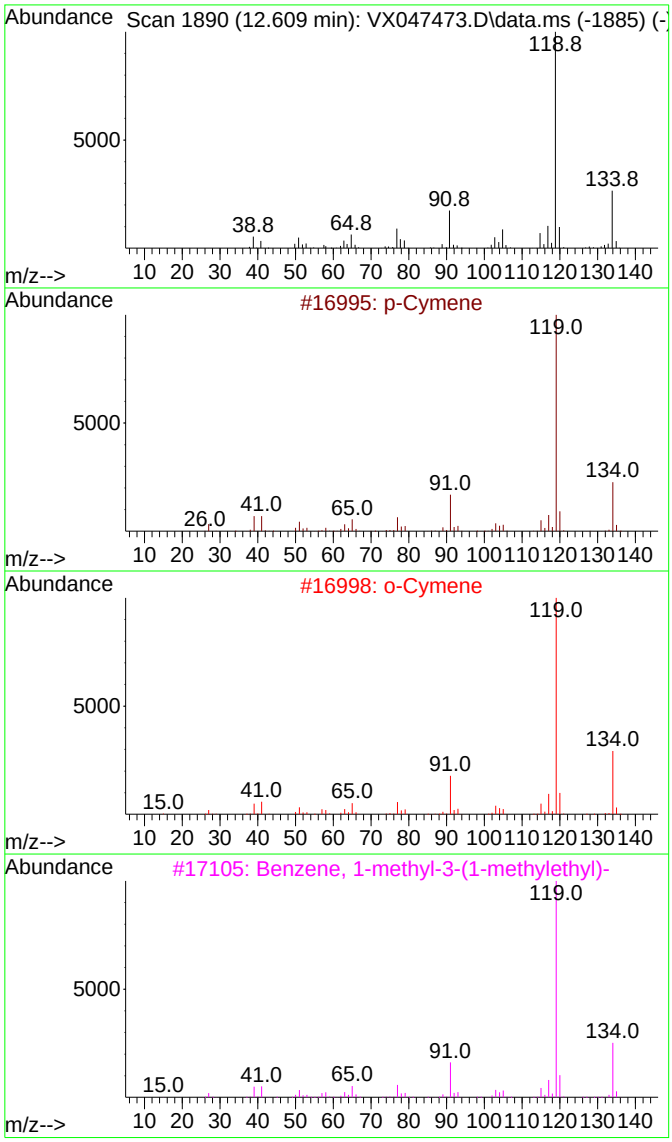
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

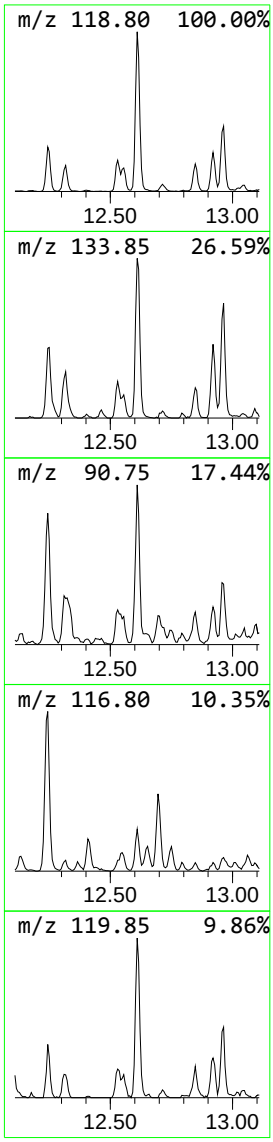
****

Peak Number 5 o-Cymene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.609	8.76 ug/l	282920	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	97
2	o-Cymene	134	C10H14	000527-84-4	97
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

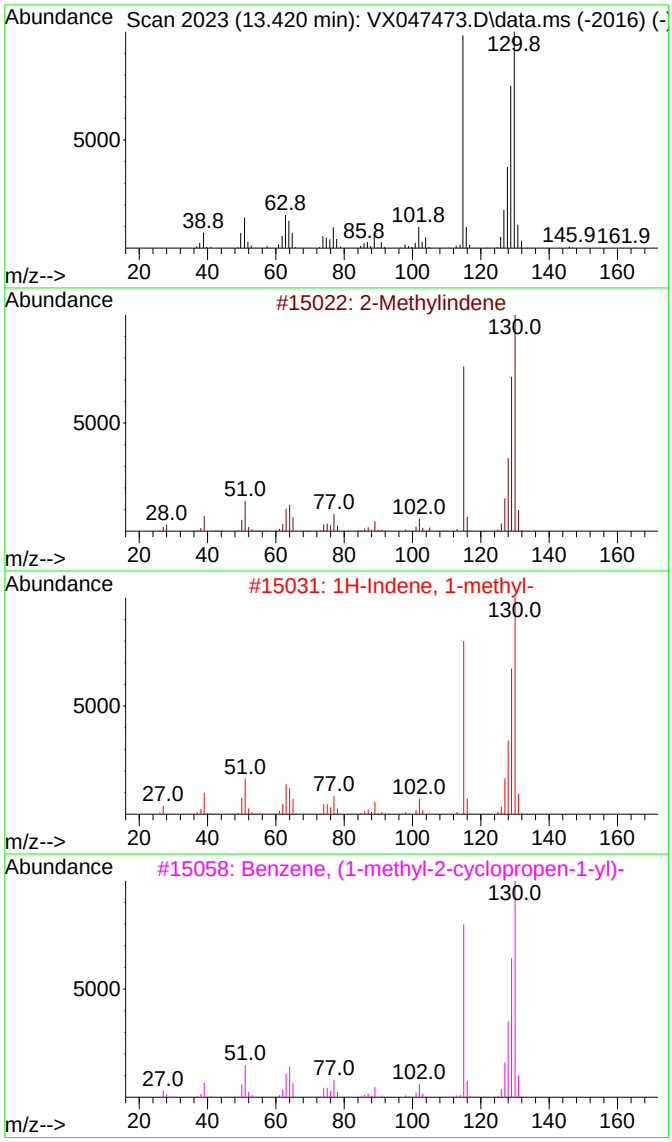
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

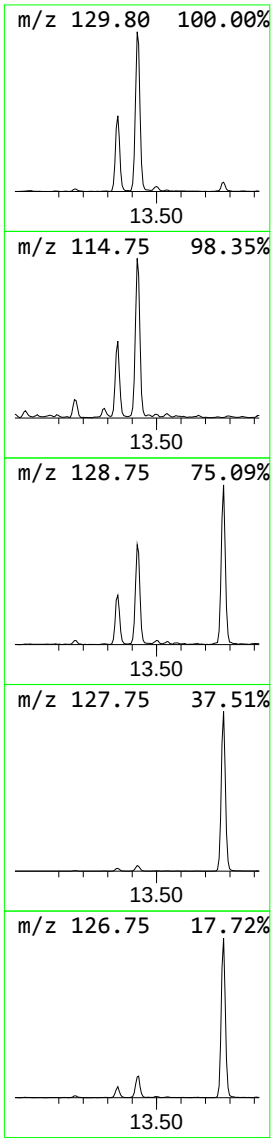
****

Peak Number 6 2-Methylindene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.420	14.98 ug/l	484023	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Methylindene	130	C10H10	002177-47-1	97
2	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	96
4	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	96
5	1,4-Dihydronaphthalene	130	C10H10	000612-17-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

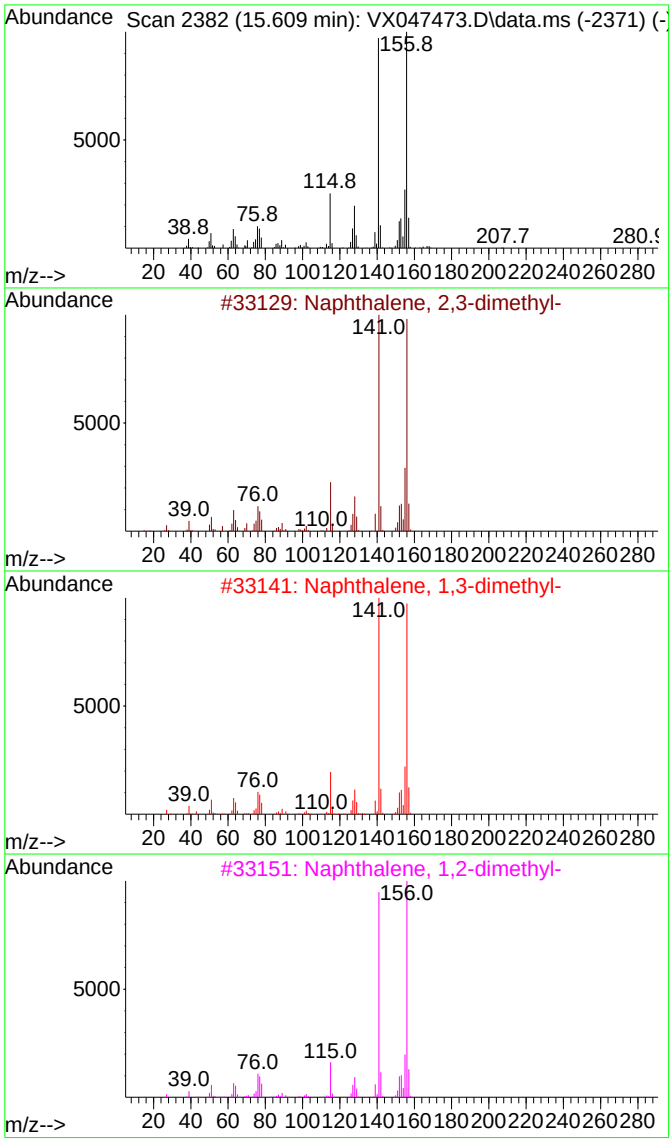
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

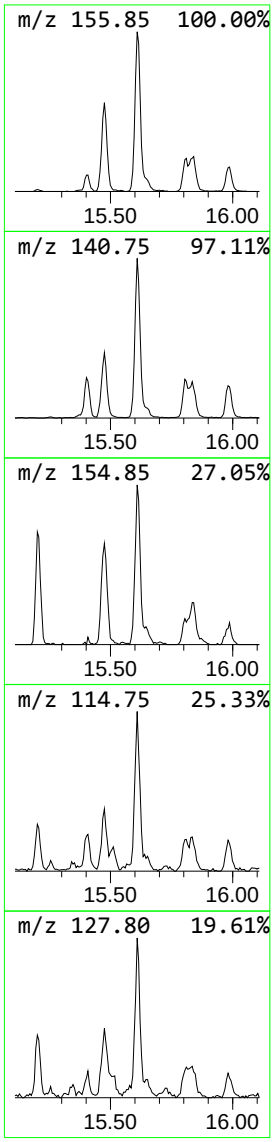
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 2,3-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.609	9.88 ug/l	319122	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97
3	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	96
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	95
5	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95





Sample Results: **VX047473.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047473.D
Acq On : 21 Aug 2025 16:14
Operator : JC/MD
Sample : Q2903-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.264	73.9	ug/l	1030620	1	5.562	697260	50.0
Benzene, 1,2,3-...	12.085	8.1	ug/l	260206	4	12.018	1615730	50.0
Benzene, cyclop...	12.244	9.1	ug/l	293537	4	12.018	1615730	50.0
Indene	12.408	8.9	ug/l	288468	4	12.018	1615730	50.0
o-Cymene	12.609	8.8	ug/l	282920	4	12.018	1615730	50.0
2-Methylindene	13.420	15.0	ug/l	484023	4	12.018	1615730	50.0
Naphthalene, 2,...	15.609	9.9	ug/l	319122	4	12.018	1615730	50.0

Raw Data: **VX047493.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-1C-081925RE	SDG No.:	Q2903
Lab Sample ID:	Q2903-02RE	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047493.D	1	08/22/25 13:37	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	3.50	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.36	J	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	6.90		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	15.1		0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.39	J	0.22	5.00	ug/L
79-01-6	Trichloroethene	10.9		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	0.87	J	0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-1C-081925RE	SDG No.:	Q2903
Lab Sample ID:	Q2903-02RE	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047493.D	1	08/22/25 13:37	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	40.9		0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	10.1		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	1.90	J	0.24	10.0	ug/L
95-47-6	o-Xylene	3.60	J	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	2.10	J	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.9	*	74 - 125	132%	SPK: 50
1868-53-7	Dibromofluoromethane	54.5		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	51.5		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.9	*	77 - 121	124%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	215000	5.568			
540-36-3	1,4-Difluorobenzene	439000	6.769			
3114-55-4	Chlorobenzene-d5	454000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	241000	12.018			

Raw Data: **VX047493.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-1C-081925RE	SDG No.:	Q2903
Lab Sample ID:	Q2903-02RE	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047493.D	1	08/22/25 13:37	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX082225\
Data File : VX047493.D
Acq On : 22 Aug 2025 13:37
Operator : JC/MD
Sample : Q2903-02RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Quant Time: Aug 25 01:27:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

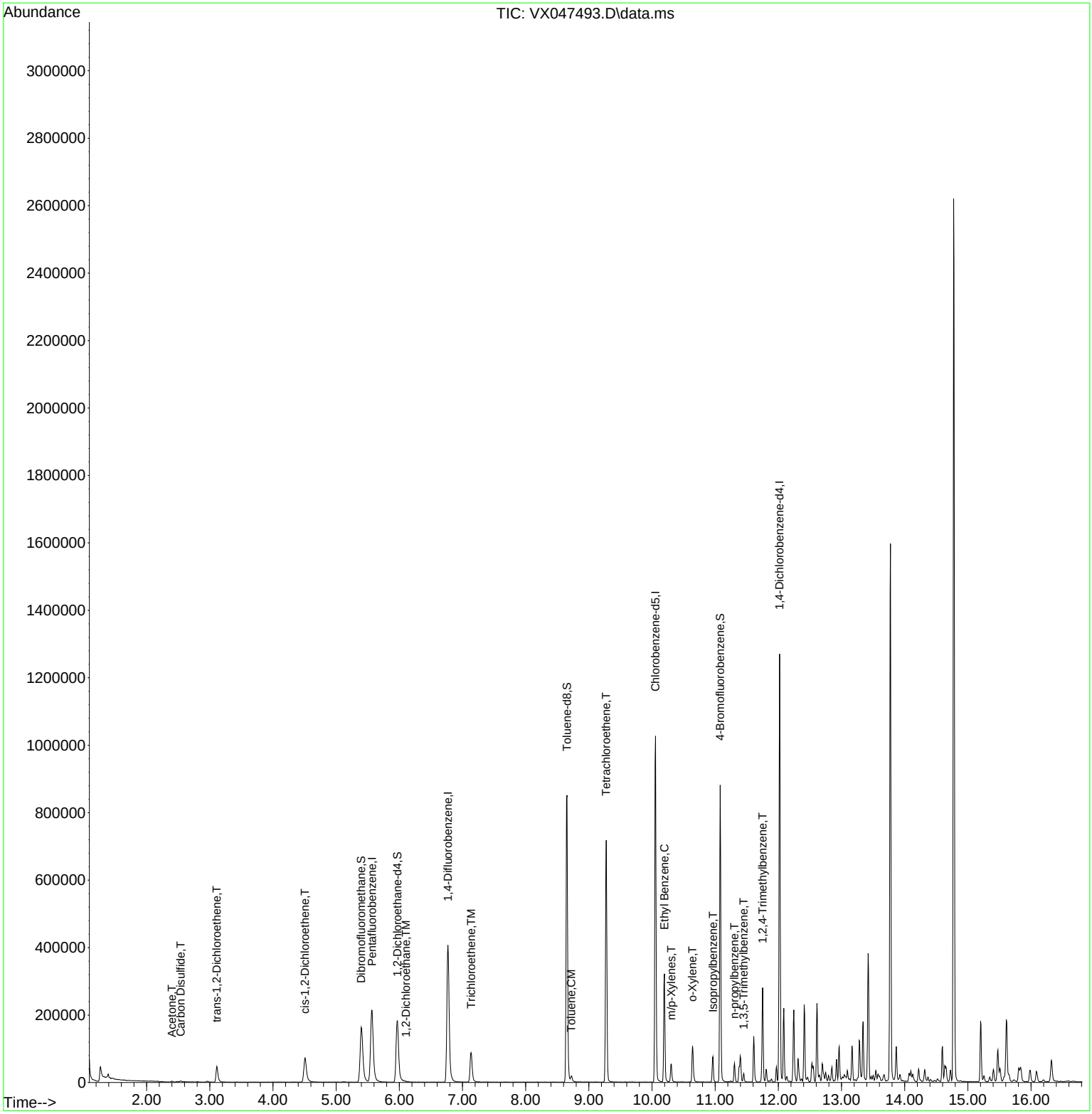
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	215208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	438650	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	454253	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	240673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	198561	65.925	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 131.860%#			
35) Dibromofluoromethane	5.398	113	155017	54.452	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.900%			
50) Toluene-d8	8.653	98	524216	51.517	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.040%			
62) 4-Bromofluorobenzene	11.079	95	232395	61.890	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 123.780%#			
Target Compounds						Qvalue
16) Acetone	2.398	43	3928	3.470	ug/l #	75
17) Carbon Disulfide	2.538	76	2949	0.361	ug/l #	94
21) trans-1,2-Dichloroethene	3.111	96	19950	6.937	ug/l	85
27) cis-1,2-Dichloroethene	4.507	96	50434	15.056	ug/l	90
42) 1,2-Dichloroethane	6.105	62	1856	0.390	ug/l	94
44) Trichloroethene	7.135	130	37629	10.925	ug/l	98
52) Toluene	8.720	92	7208	0.867	ug/l	97
64) Tetrachloroethene	9.275	164	134250	40.859	ug/l	94
67) Ethyl Benzene	10.195	91	186999	10.065	ug/l	97
68) m/p-Xylenes	10.305	106	13082	1.888	ug/l	88
69) o-Xylene	10.640	106	24045	3.607	ug/l	99
73) Isopropylbenzene	10.964	105	38989	2.070	ug/l	99
78) n-propylbenzene	11.305	91	34886	1.551	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	11673	0.753	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	119261	7.696	ug/l	98

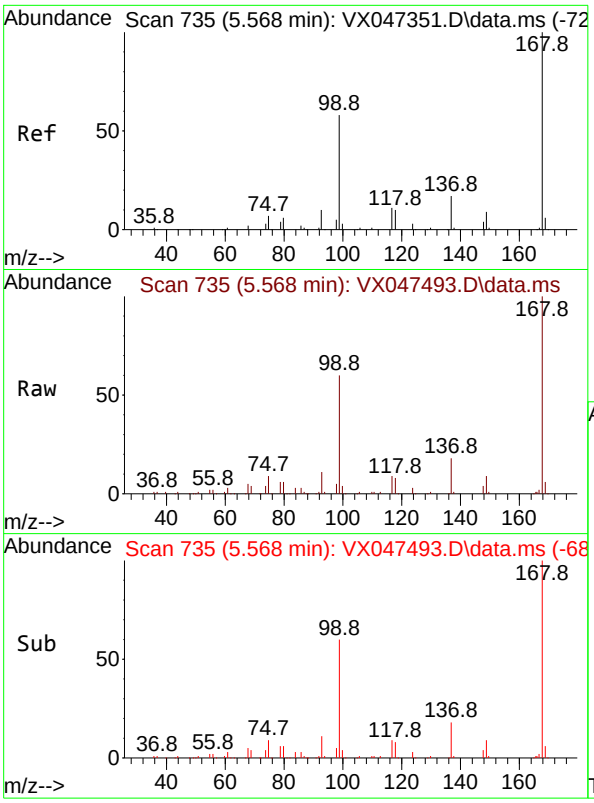
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047493.D
Acq On : 22 Aug 2025 13:37
Operator : JC/MD
Sample : Q2903-02RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Quant Time: Aug 25 01:27:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



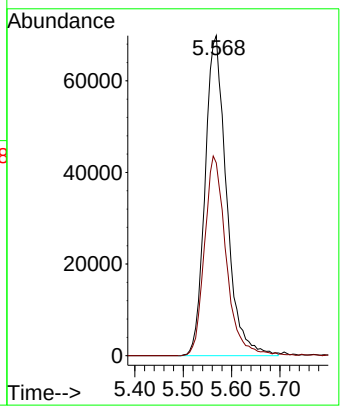


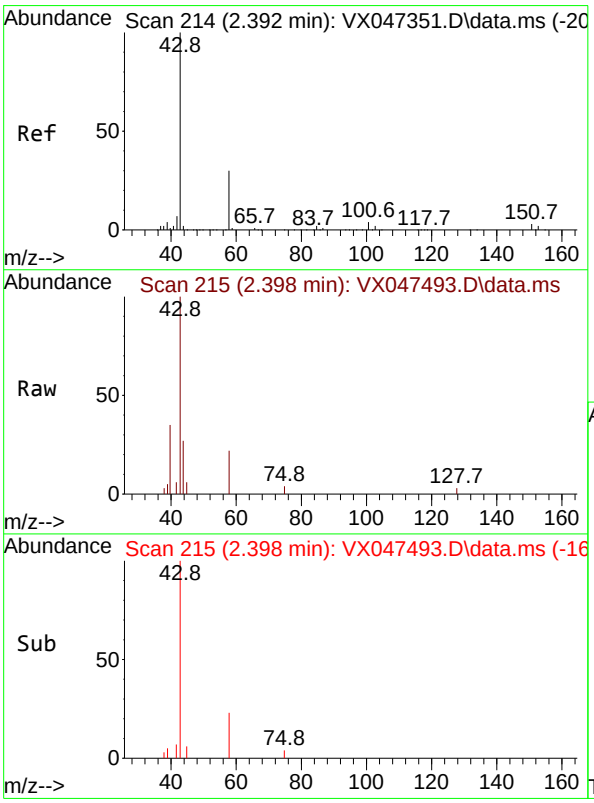
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion:168 Resp: 215208

Ion	Ratio	Lower	Upper
168	100		
99	60.2	47.9	71.9

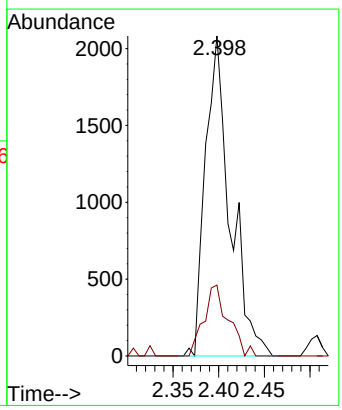


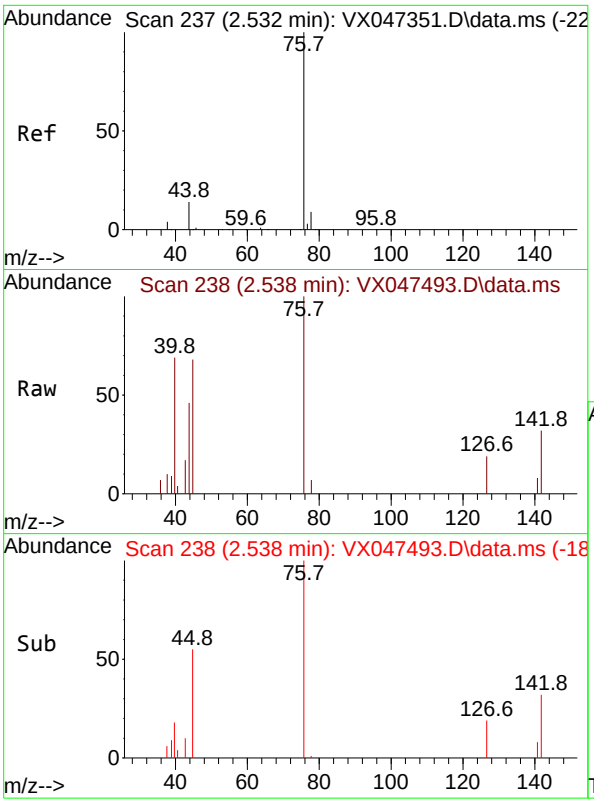


#16
Acetone
Concen: 3.470 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Tgt Ion: 43 Resp: 3928

Ion	Ratio	Lower	Upper
43	100		
58	17.4	24.8	37.2#



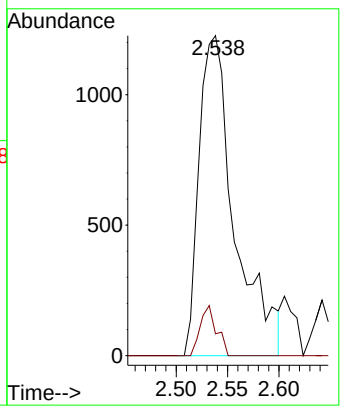


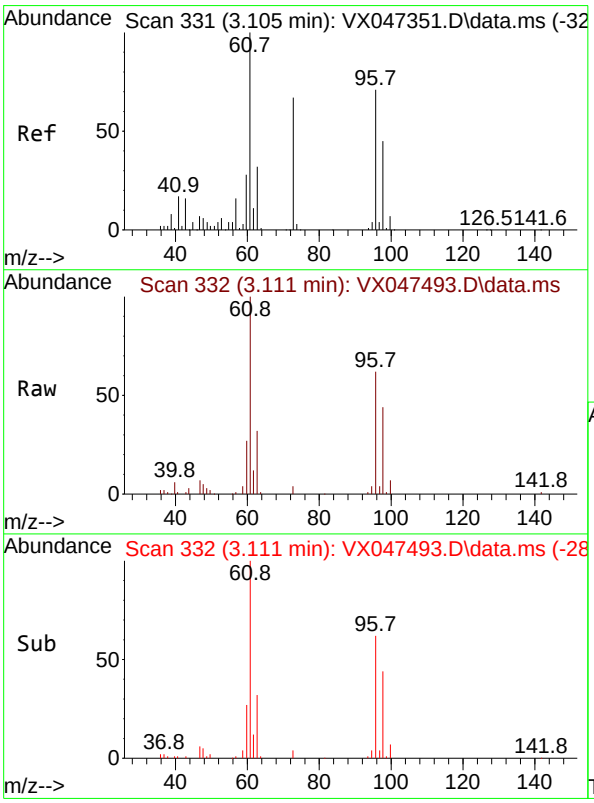
#17
Carbon Disulfide
Concen: 0.361 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion: 76 Resp: 2949

Ion	Ratio	Lower	Upper
76	100		
78	6.9	7.2	10.8#

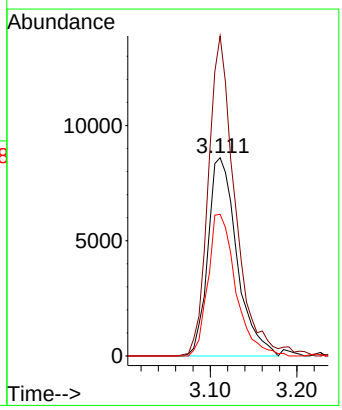


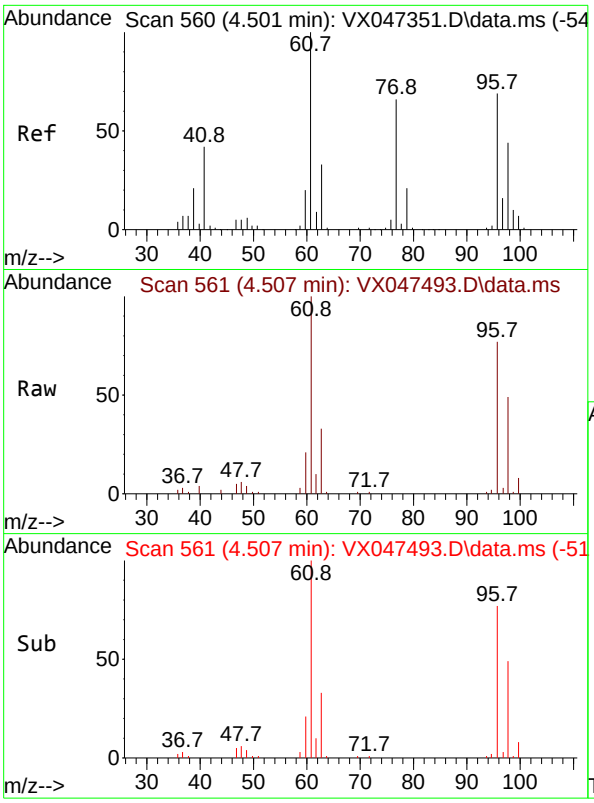


#21
trans-1,2-Dichloroethene
Concen: 6.937 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Tgt Ion: 96 Resp: 19950

Ion	Ratio	Lower	Upper
96	100		
61	161.4	112.6	169.0
98	71.4	50.9	76.3



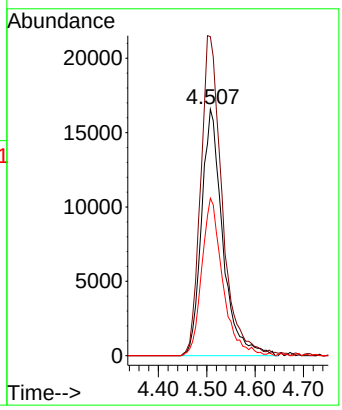


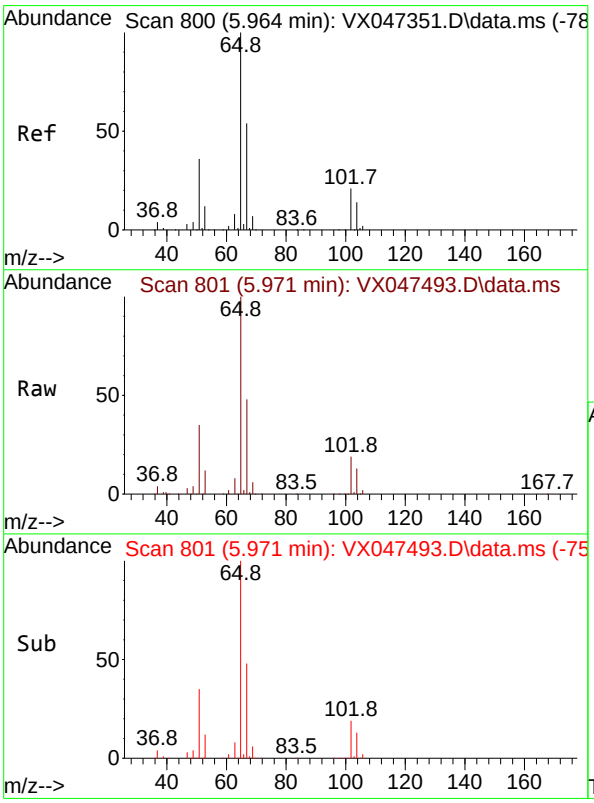
#27
cis-1,2-Dichloroethene
Concen: 15.056 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion: 96 Resp: 50434

Ion	Ratio	Lower	Upper
96	100		
61	131.0	0.0	296.6
98	63.0	0.0	130.4

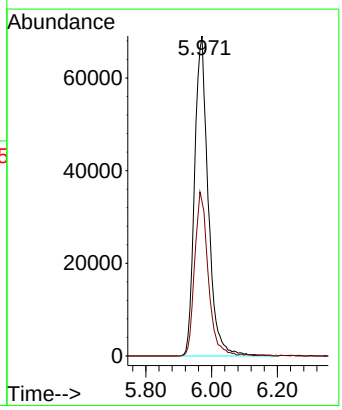


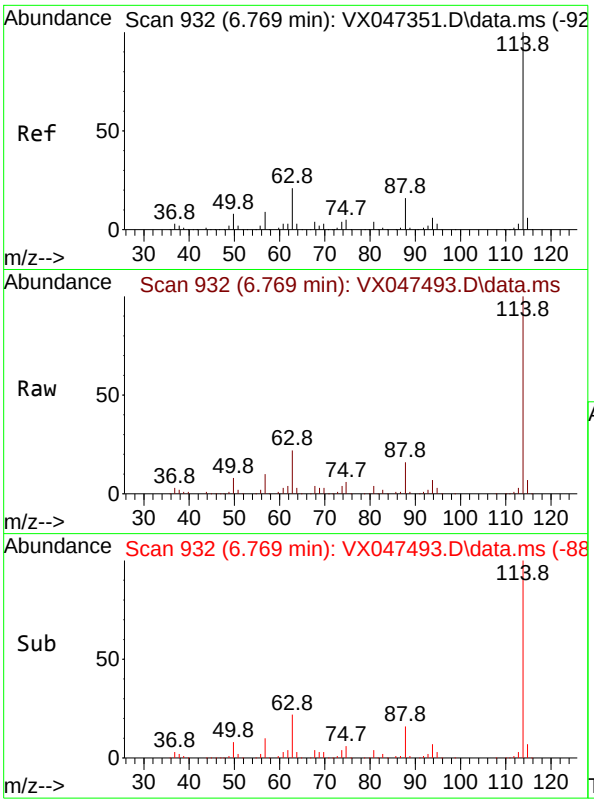


#33
1,2-Dichloroethane-d4
Concen: 65.925 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Tgt Ion: 65 Resp: 198561

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	106.0



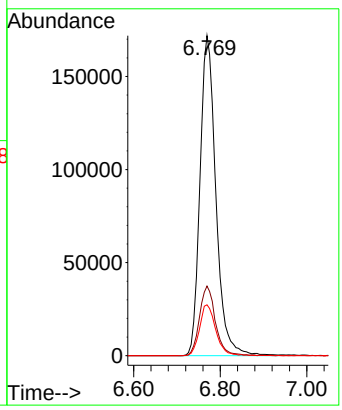


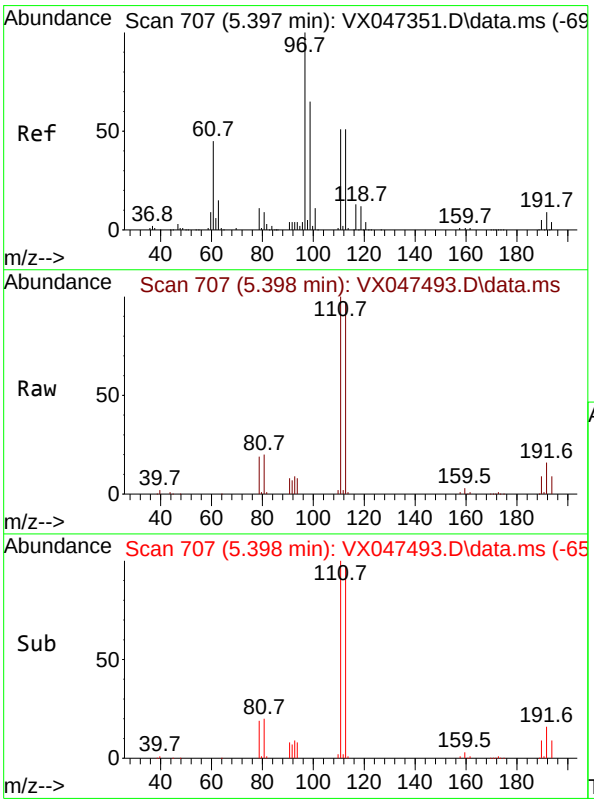
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion:114 Resp: 438650

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	42.4
88	15.9	0.0	33.0

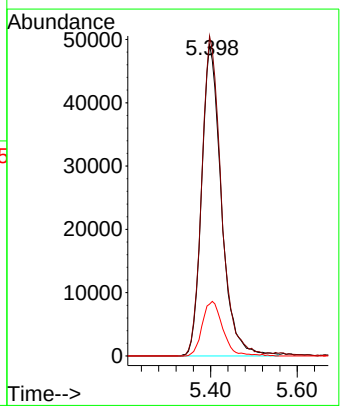


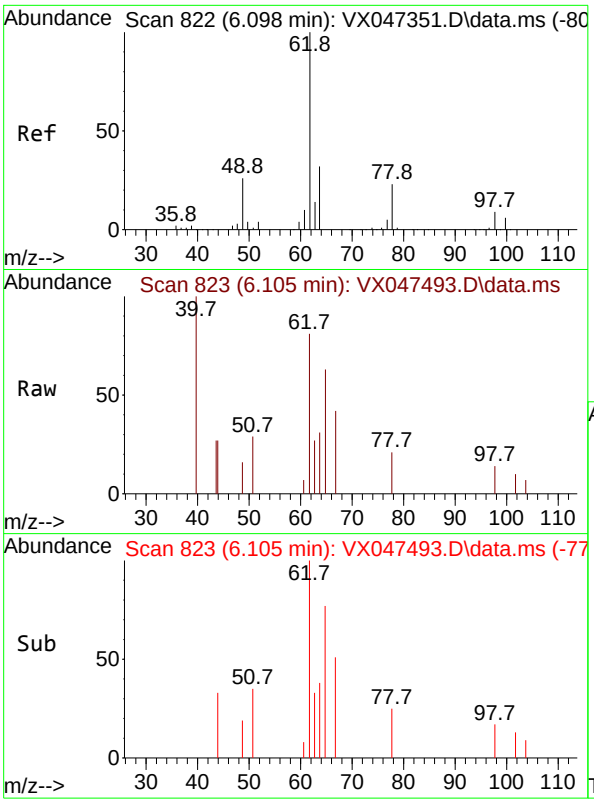


#35
Dibromofluoromethane
Concen: 54.452 ug/l
RT: 5.398 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Tgt Ion:113 Resp: 155017

Ion	Ratio	Lower	Upper
113	100		
111	102.0	81.4	122.2
192	18.4	14.1	21.1



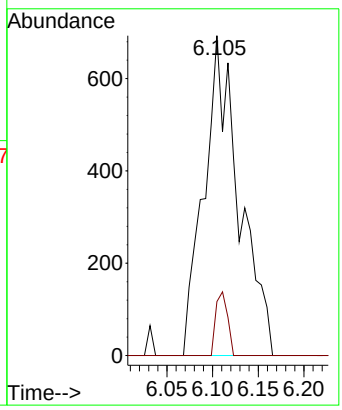


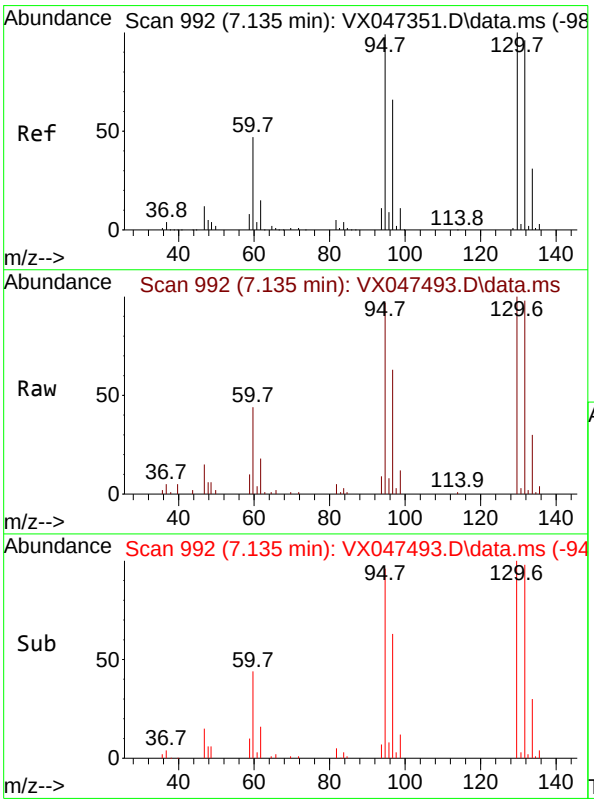
#42
1,2-Dichloroethane
Concen: 0.390 ug/l
RT: 6.105 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion: 62 Resp: 1856

Ion	Ratio	Lower	Upper
62	100		
98	6.7	0.0	18.0

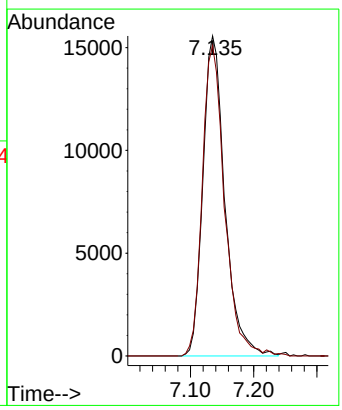


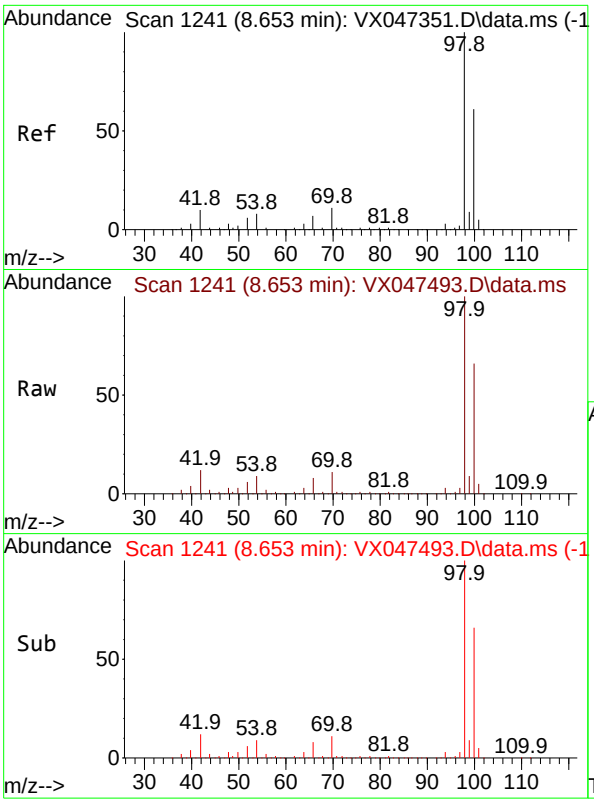


#44
Trichloroethene
Concen: 10.925 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Tgt Ion:130 Resp: 37629

Ion	Ratio	Lower	Upper
130	100		
95	97.0	0.0	198.6



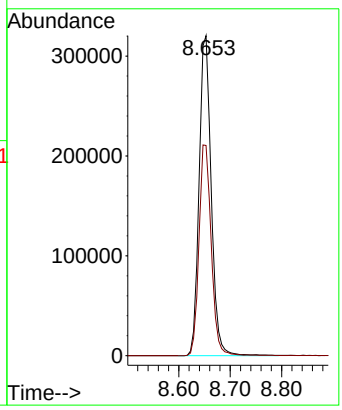


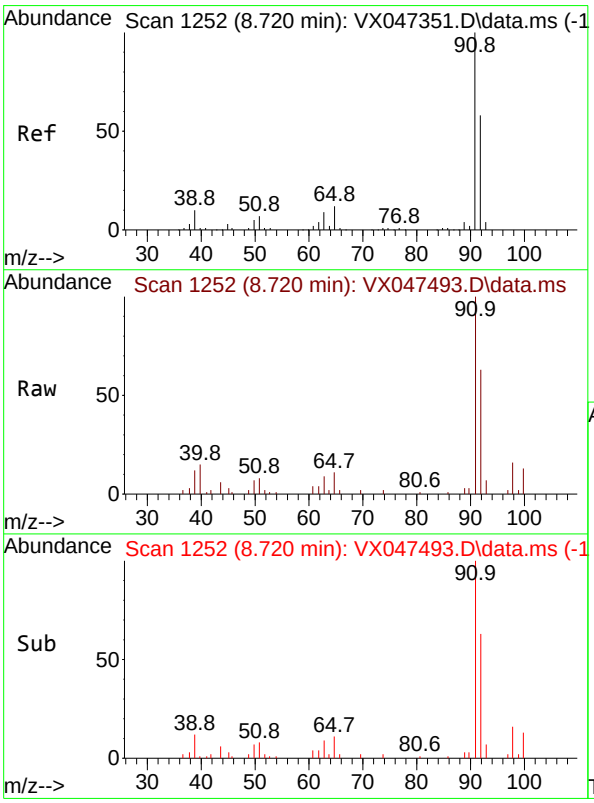
#50
Toluene-d8
Concen: 51.517 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion: 98 Resp: 524216

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.9	80.9

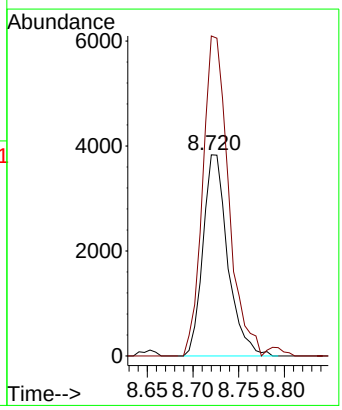


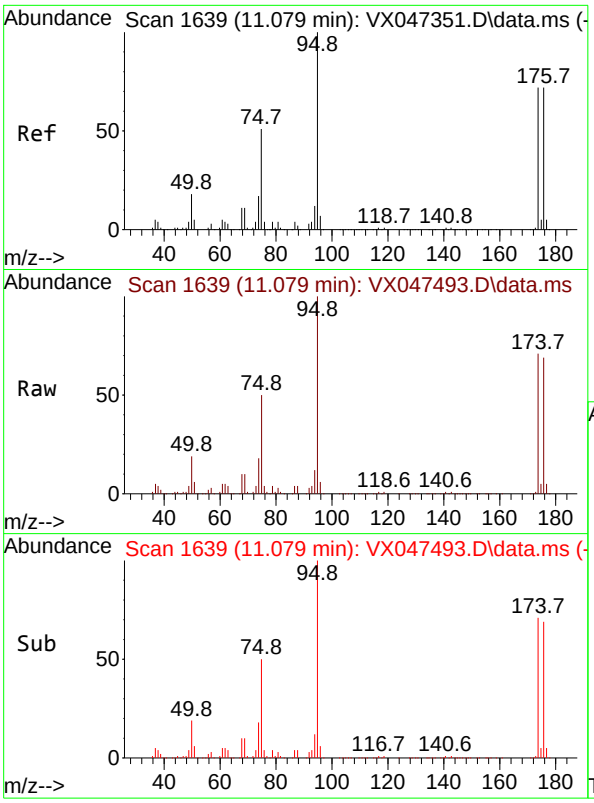


#52
Toluene
Concen: 0.867 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Tgt Ion: 92 Resp: 7208

Ion	Ratio	Lower	Upper
92	100		
91	166.5	136.3	204.5



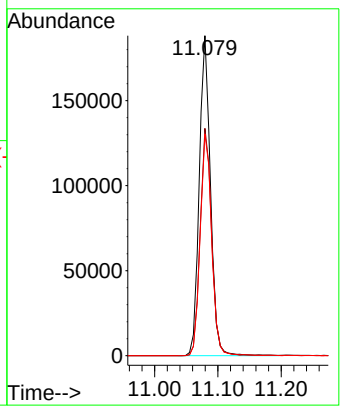


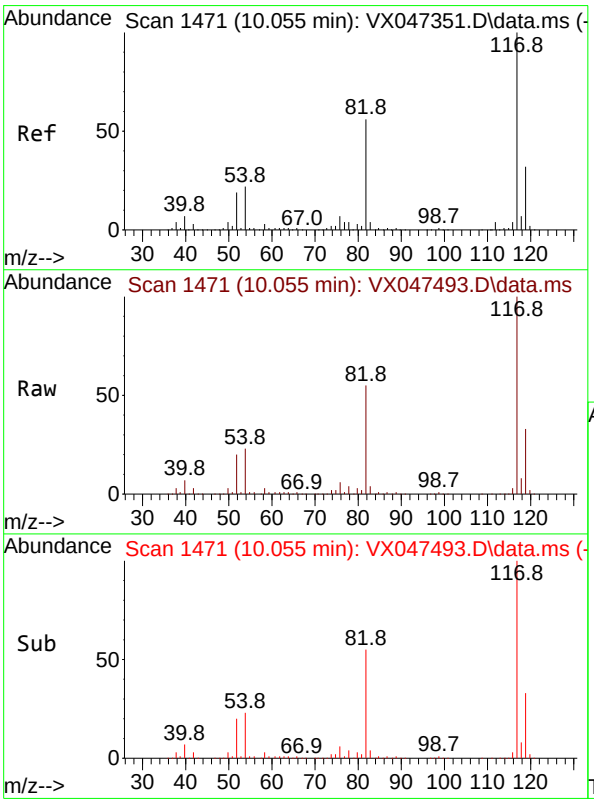
#62
4-Bromofluorobenzene
Concen: 61.890 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion: 95 Resp: 232395

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	148.0
176	71.0	0.0	145.4

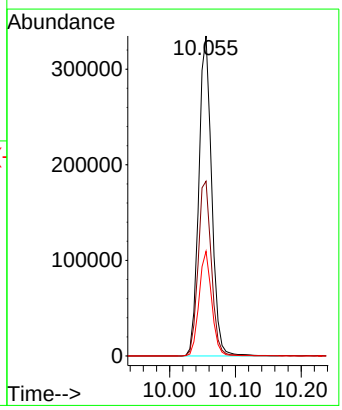


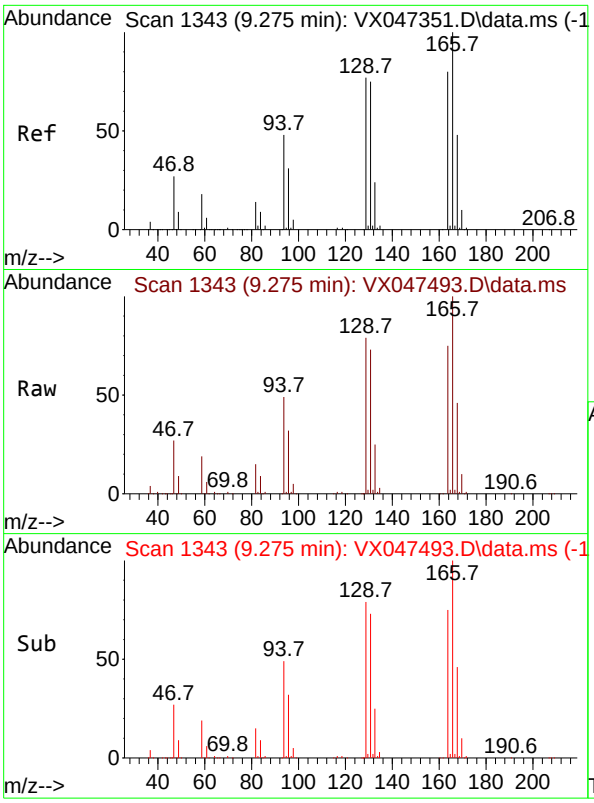


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Tgt Ion:117 Resp: 454253

Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.0	67.4
119	32.7	25.8	38.8



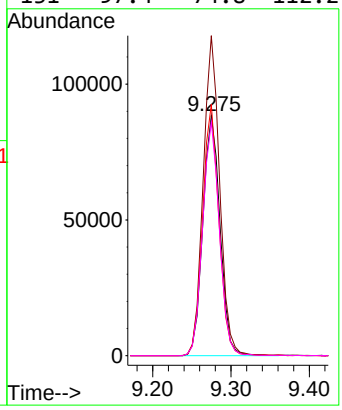


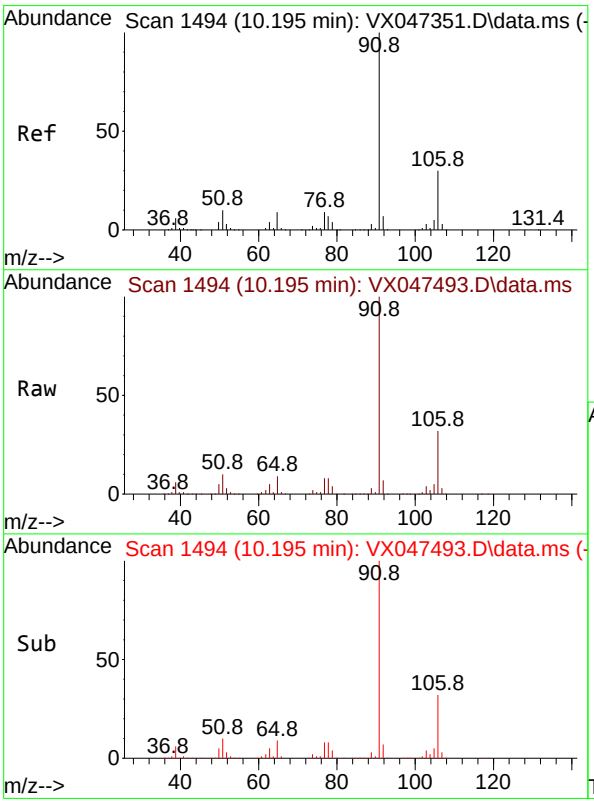
#64
Tetrachloroethene
Concen: 40.859 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion:164 Resp: 134250

Ion	Ratio	Lower	Upper
164	100		
166	133.3	100.3	150.5
129	104.7	77.7	116.5
131	97.4	74.8	112.2

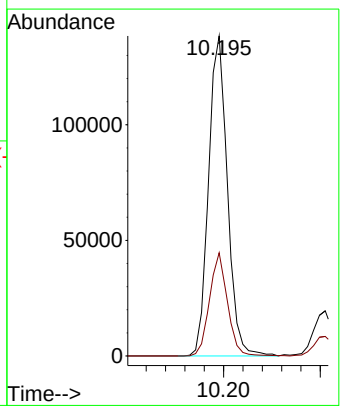


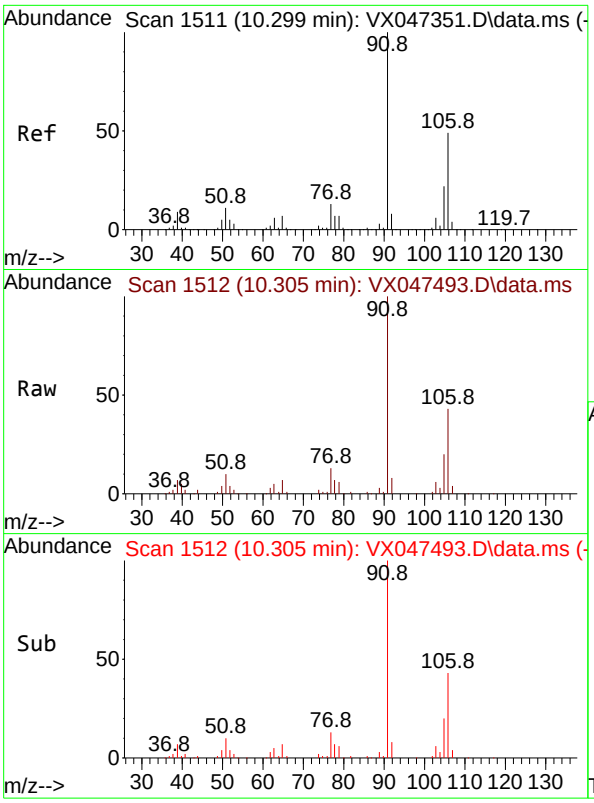


#67
Ethyl Benzene
Concen: 10.065 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Tgt Ion: 91 Resp: 186999

Ion	Ratio	Lower	Upper
91	100		
106	32.3	24.4	36.6



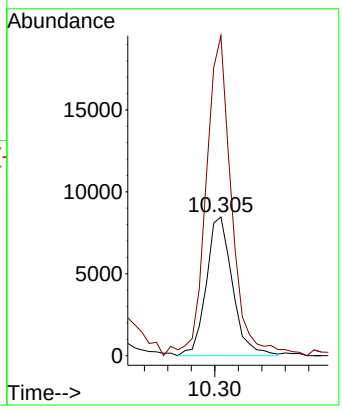


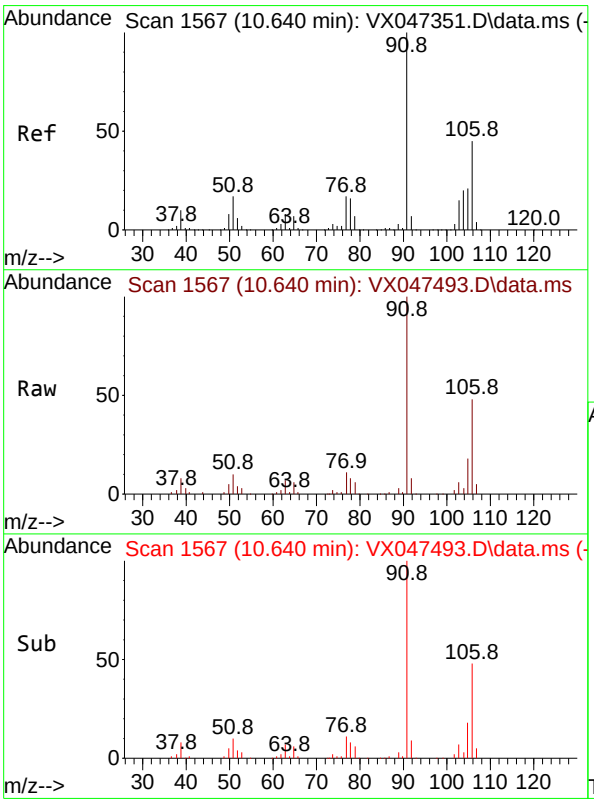
#68
m/p-Xylenes
Concen: 1.888 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion:106 Resp: 13082

Ion	Ratio	Lower	Upper
106	100		
91	225.1	164.7	247.1

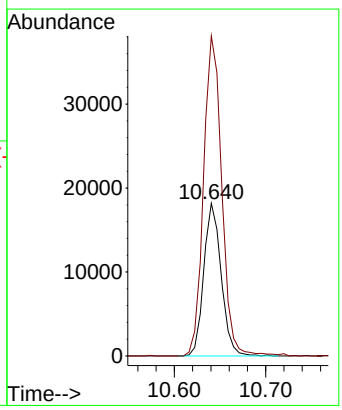


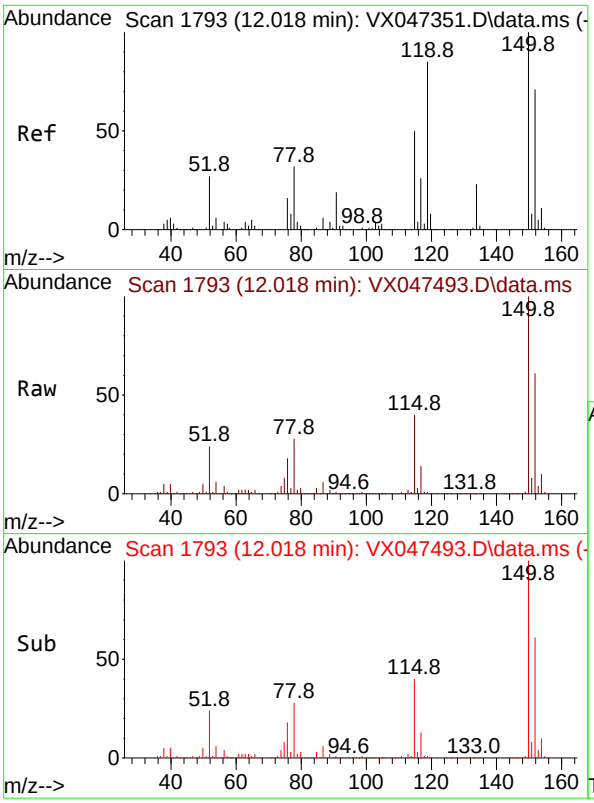


#69
o-Xylene
Concen: 3.607 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Tgt Ion:106 Resp: 24045

Ion	Ratio	Lower	Upper
106	100		
91	220.2	110.6	331.8



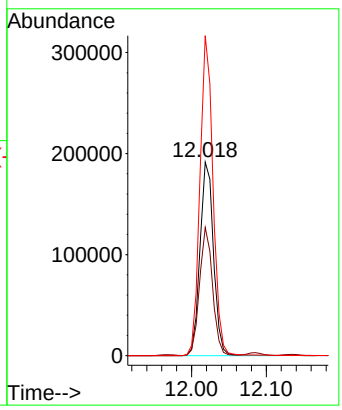


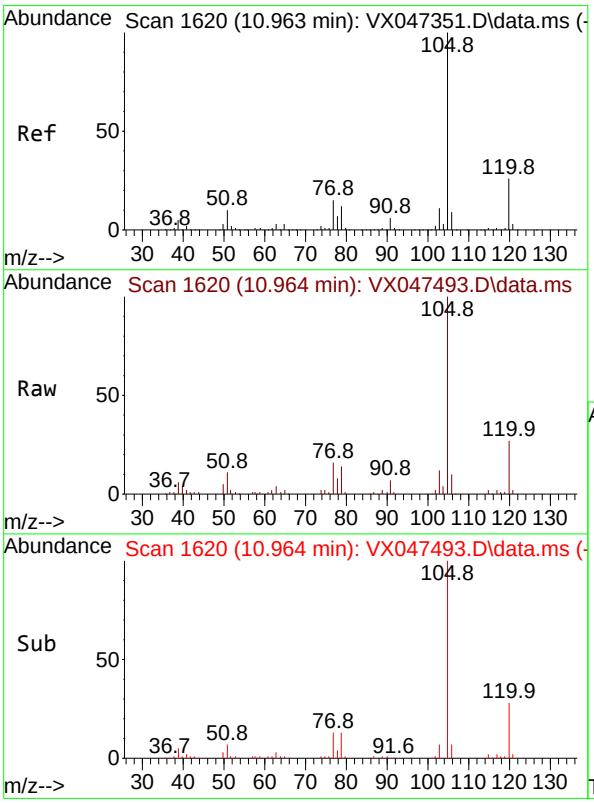
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion:152 Resp: 240673

Ion	Ratio	Lower	Upper
152	100		
115	63.6	44.6	133.8
150	159.6	0.0	349.8

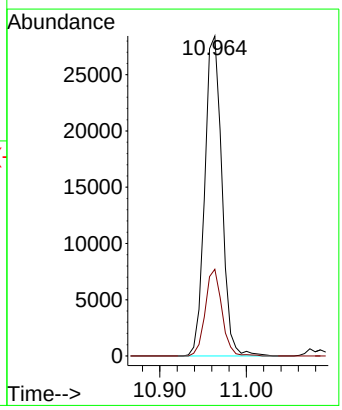


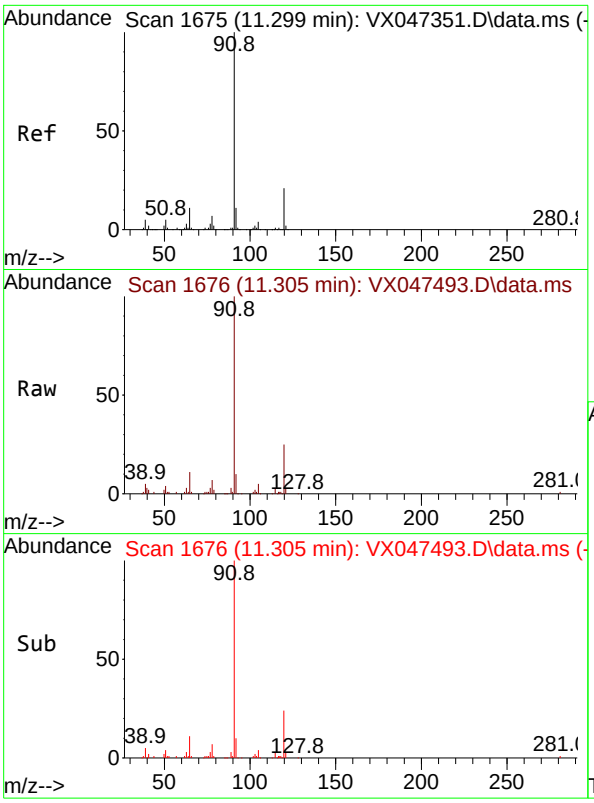


#73
Isopropylbenzene
Concen: 2.070 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Tgt Ion:105 Resp: 38989

Ion	Ratio	Lower	Upper
105	100		
120	26.4	12.9	38.6



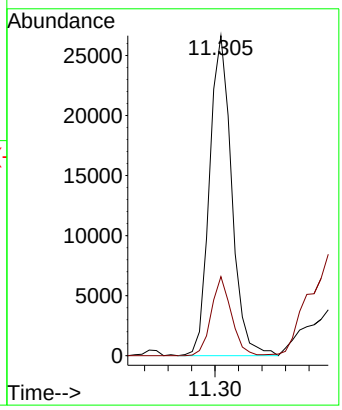


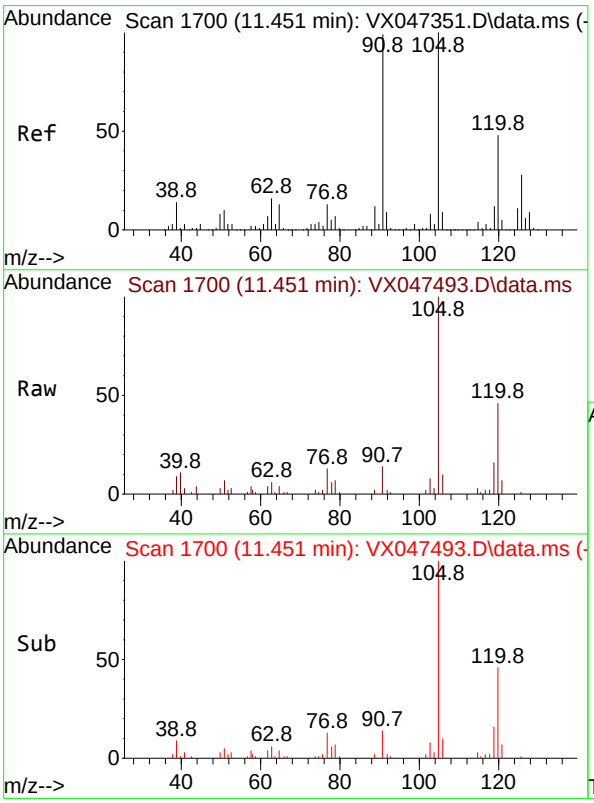
#78
n-propylbenzene
Concen: 1.551 ug/l
RT: 11.305 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion: 91 Resp: 34886

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0

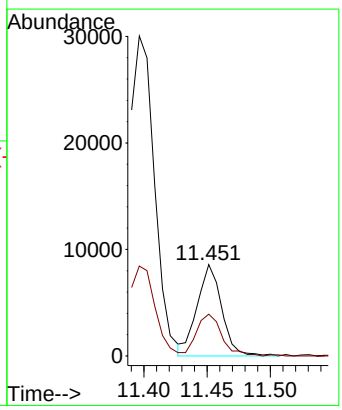


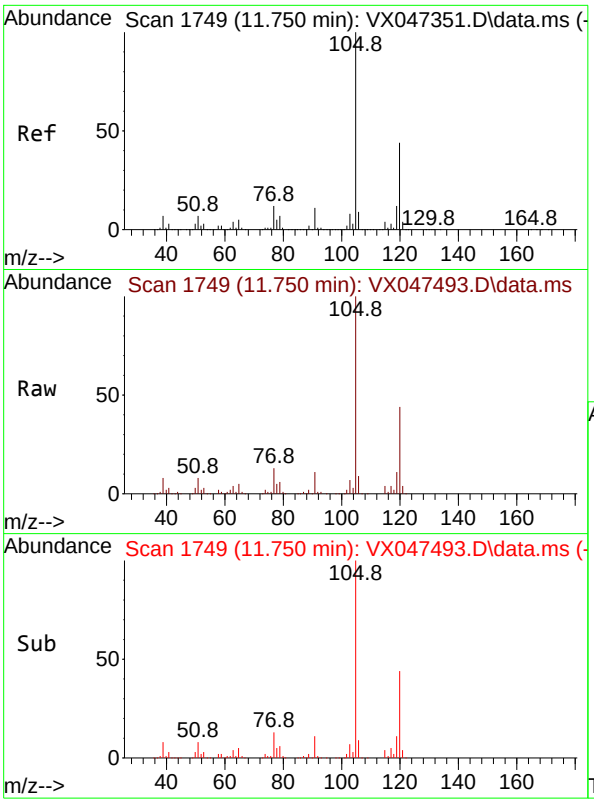


#80
1,3,5-Trimethylbenzene
Concen: 0.753 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Tgt Ion:105 Resp: 11673

Ion	Ratio	Lower	Upper
105	100		
120	46.8	23.9	71.7



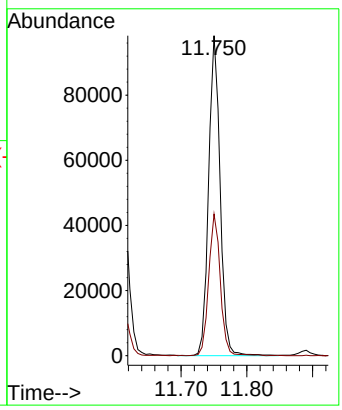


#84
1,2,4-Trimethylbenzene
Concen: 7.696 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047493.D
Acq: 22 Aug 2025 13:37

Instrument :
MSVOA_X
ClientSampleId :
MW-1C-081925RE

Tgt Ion:105 Resp: 119261

Ion	Ratio	Lower	Upper
105	100		
120	45.0	21.9	65.7



Raw Data: **VX047475.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047475.D	1	08/21/25 16:56	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	2.80	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.39	J	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.36	J	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	0.43	J	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

Raw Data: **VX047475.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047475.D	1	08/21/25 16:56	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.3		74 - 125	123%	SPK: 50
1868-53-7	Dibromofluoromethane	51.0		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.7		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.5		77 - 121	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	5.568			
540-36-3	1,4-Difluorobenzene	470000	6.769			
3114-55-4	Chlorobenzene-d5	476000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	250000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047475.D	1	08/21/25 16:56	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	49.8	J		1.26	ug/L

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: **VX047475.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047475.D
Acq On : 21 Aug 2025 16:56
Operator : JC/MD
Sample : Q2903-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 22 03:51:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	225941	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	469925	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	476037	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	250060	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	193786	61.284	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 122.560%#			
35) Dibromofluoromethane	5.397	113	155443	50.967	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.940%			
50) Toluene-d8	8.647	98	541695	49.692	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.380%			
62) 4-Bromofluorobenzene	11.079	95	231165	57.465	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 114.940%			
Target Compounds						Qvalue
16) Acetone	2.392	43	3302	2.778	ug/l #	86
17) Carbon Disulfide	2.532	76	3306	0.385	ug/l #	84
27) cis-1,2-Dichloroethene	4.513	96	1272m	0.362	ug/l	
40) Benzene	6.056	78	6224	0.432	ug/l	92

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

Sample Results: **VX047475.D**

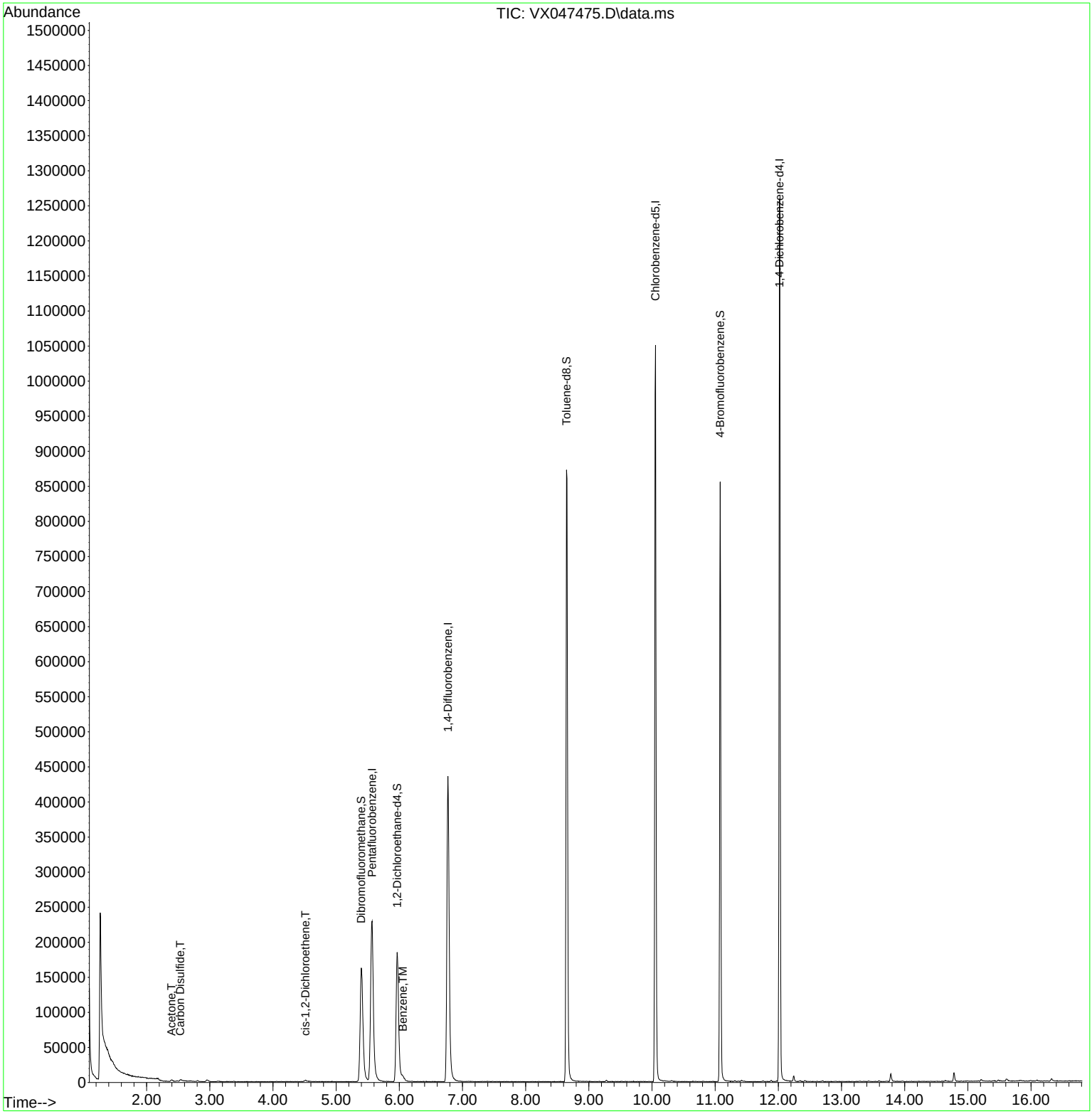
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047475.D
Acq On : 21 Aug 2025 16:56
Operator : JC/MD
Sample : Q2903-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

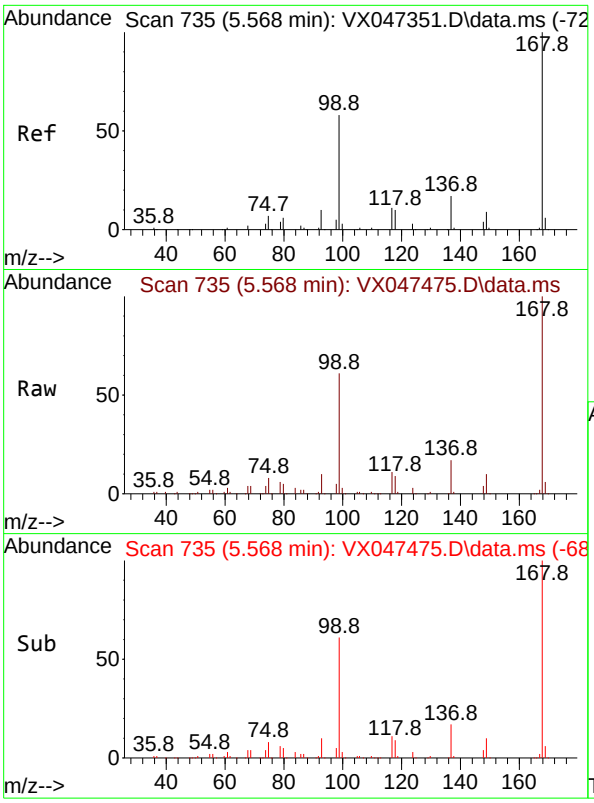
Quant Time: Aug 22 03:51:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

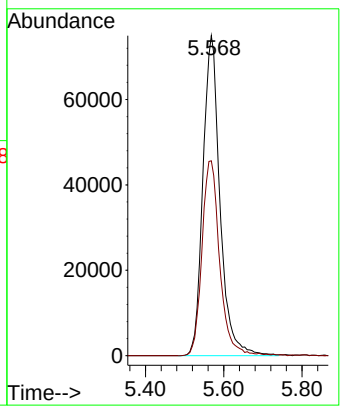




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion:168 Resp: 22594

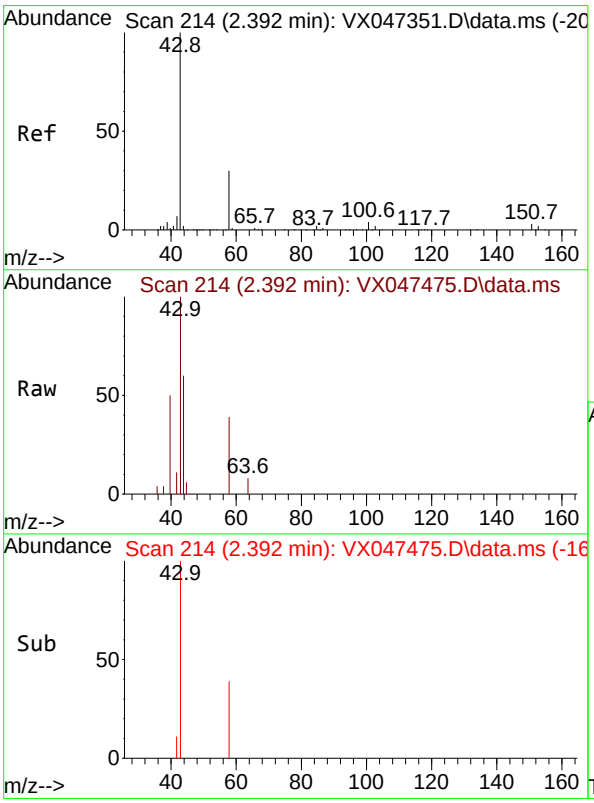
Ion	Ratio	Lower	Upper
168	100		
99	60.9	47.9	71.9



Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Manual Integrations
APPROVED

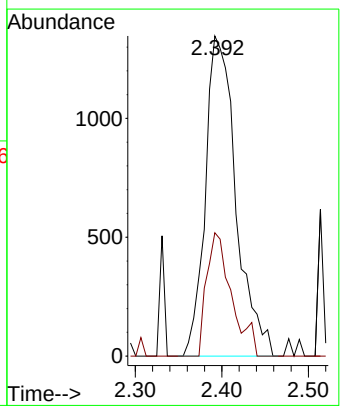
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

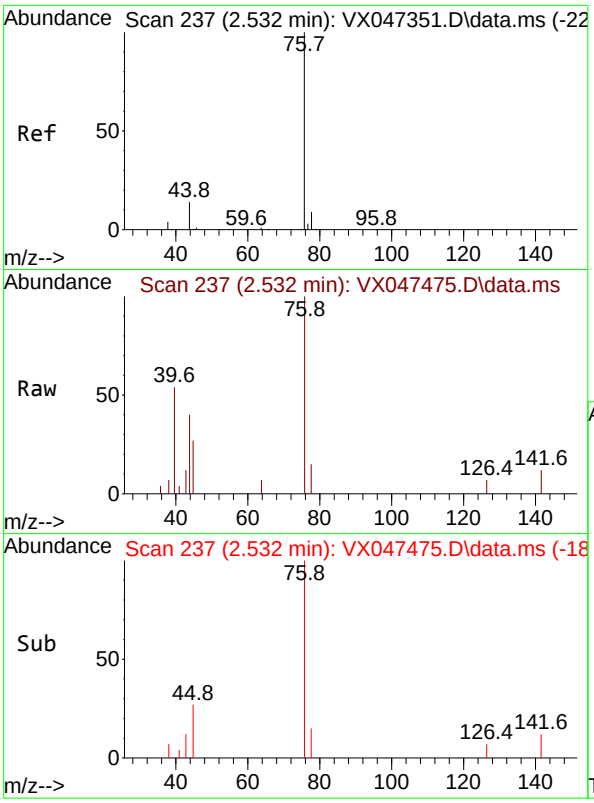


#16
Acetone
Concen: 2.778 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 43 Resp: 3302

Ion	Ratio	Lower	Upper
43	100		
58	38.5	24.8	37.2#





#17
Carbon Disulfide
Concen: 0.385 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

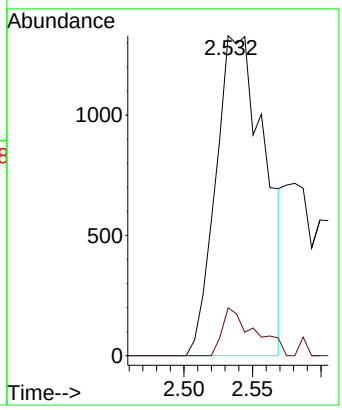
Tgt Ion: 76 Resp: 330

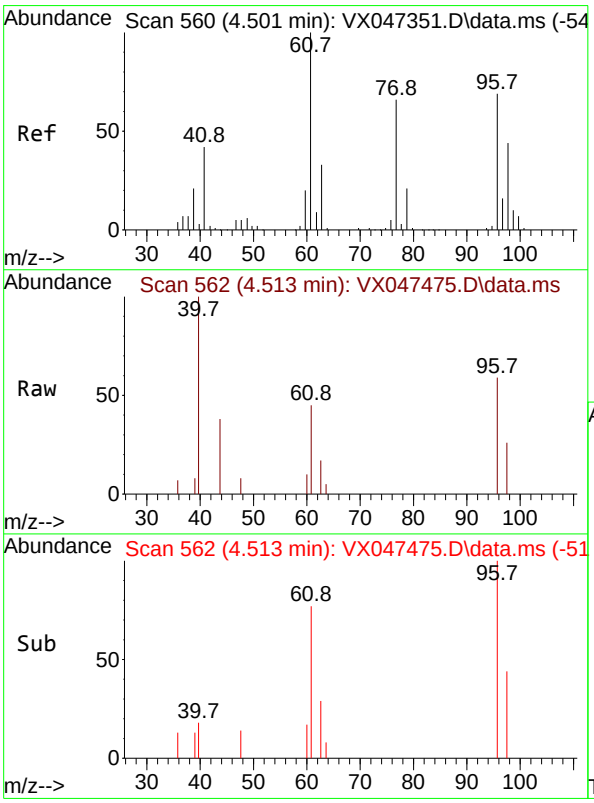
Ion	Ratio	Lower	Upper
76	100		
78	15.0	7.2	10.8#

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

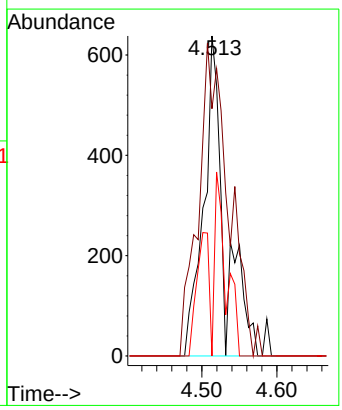


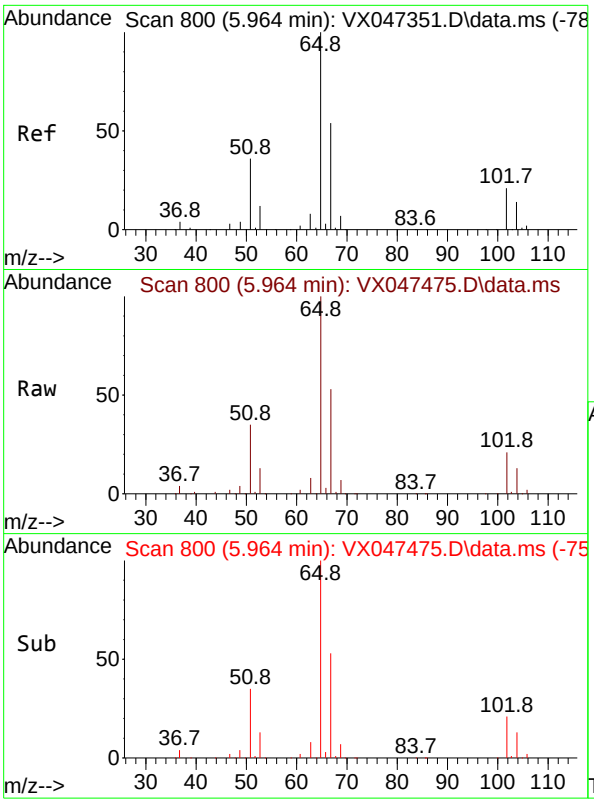


#27
cis-1,2-Dichloroethene
Concen: 0.362 ug/l m
RT: 4.513 min Scan# 562
Delta R.T. 0.012 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 96 Resp: 1272

Ion	Ratio	Lower	Upper
96	100		
61	137.7	0.0	296.6
98	30.0	0.0	130.4

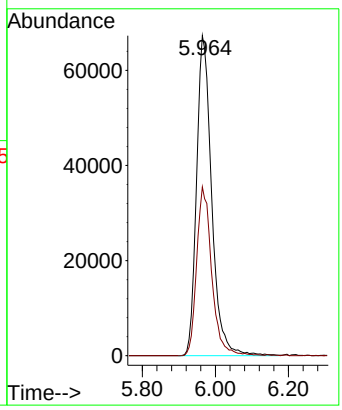




#33
1,2-Dichloroethane-d4
Concen: 61.284 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 65 Resp: 19378

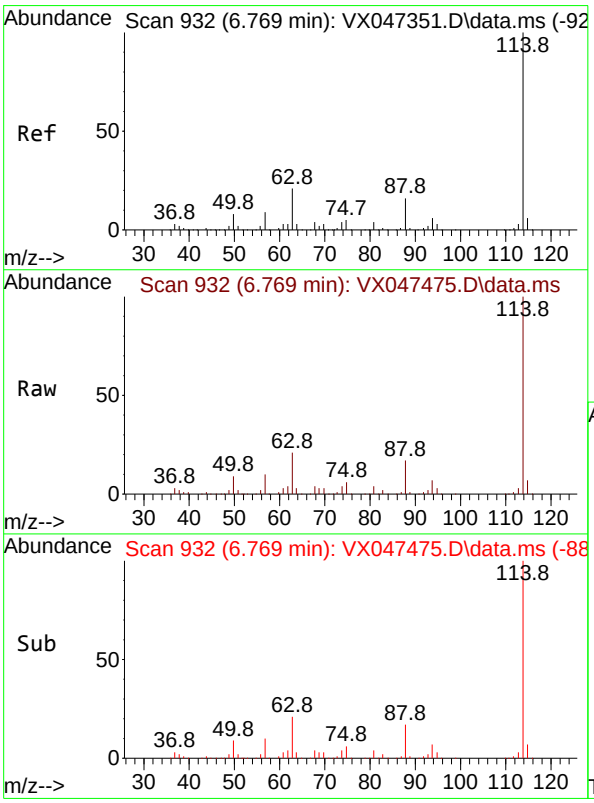
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.0



Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Manual Integrations
APPROVED

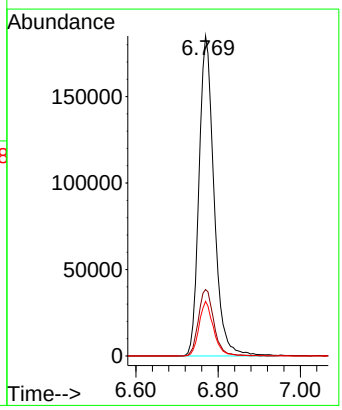
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

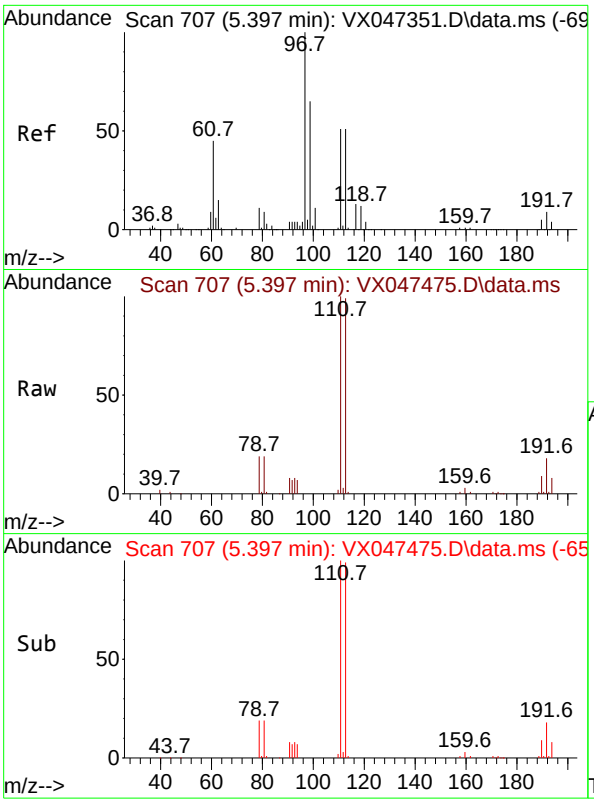


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion:114 Resp: 469925

Ion	Ratio	Lower	Upper
114	100		
63	23.4	0.0	42.4
88	17.0	0.0	33.0

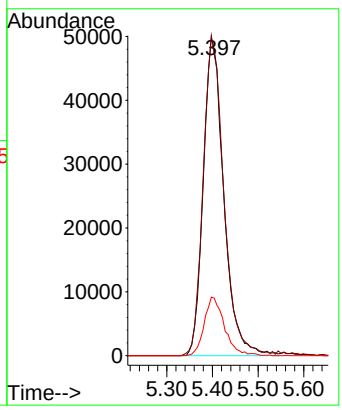




#35
Dibromofluoromethane
Concen: 50.967 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion:113 Resp: 15544

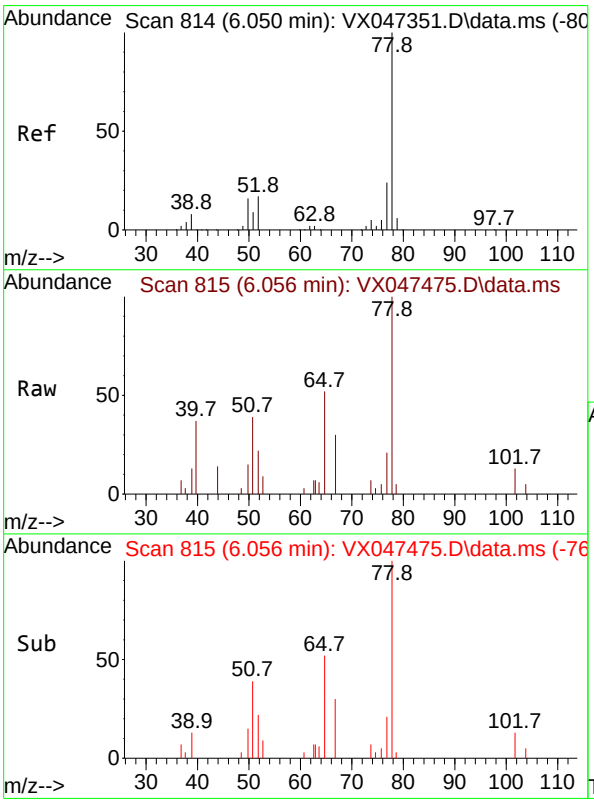
Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.4	122.2
192	18.2	14.1	21.1



Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Manual Integrations
APPROVED

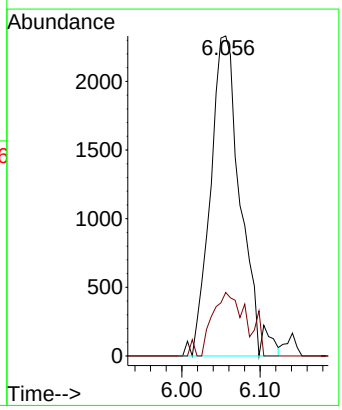
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

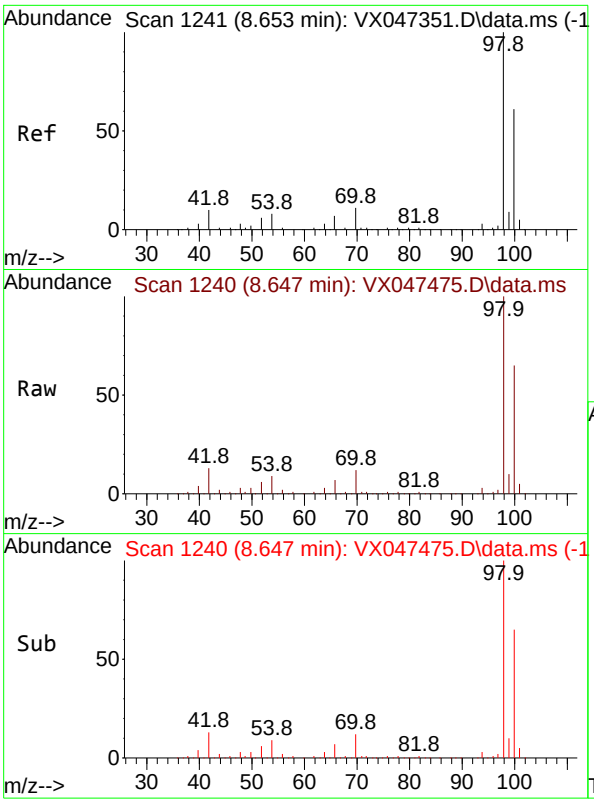


#40
Benzene
Concen: 0.432 ug/l
RT: 6.056 min Scan# 815
Delta R.T. 0.006 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 78 Resp: 6224

Ion	Ratio	Lower	Upper
78	100		
77	19.9	19.0	28.4





#50
Toluene-d8
Concen: 49.692 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 98 Resp: 54169

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.9	80.9

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/22/2025
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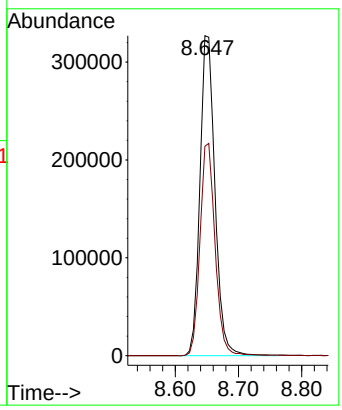
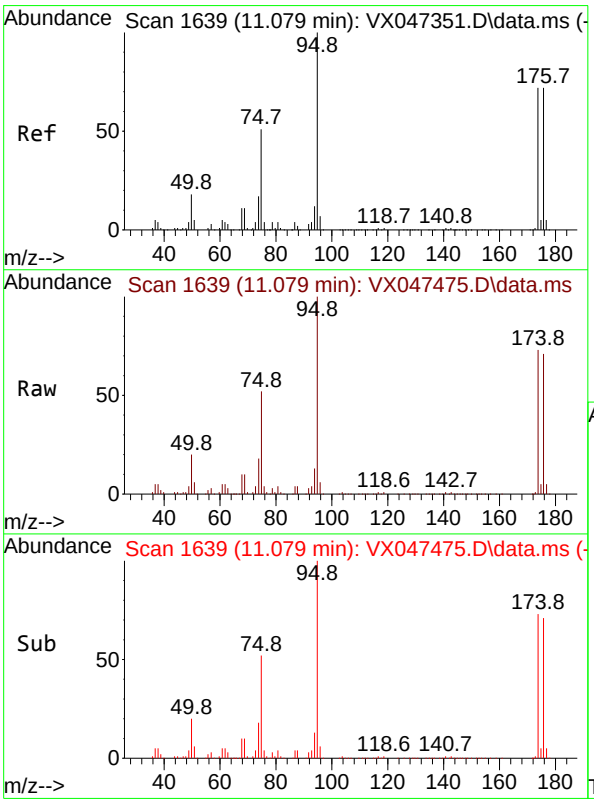
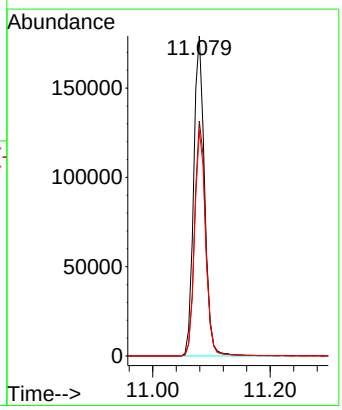


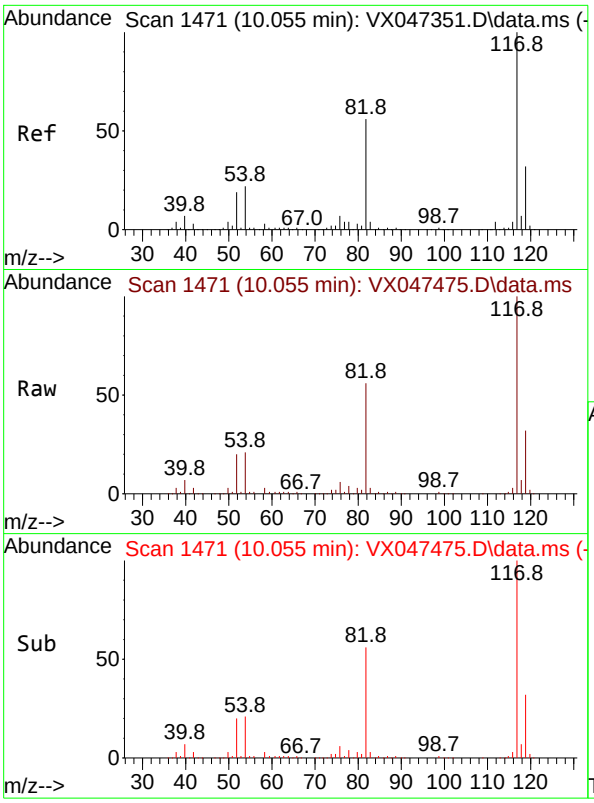


#62
4-Bromofluorobenzene
Concen: 57.465 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion: 95 Resp: 231165

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	148.0
176	70.8	0.0	145.4

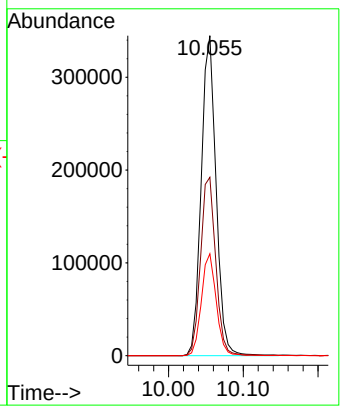




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion:117 Resp: 47603

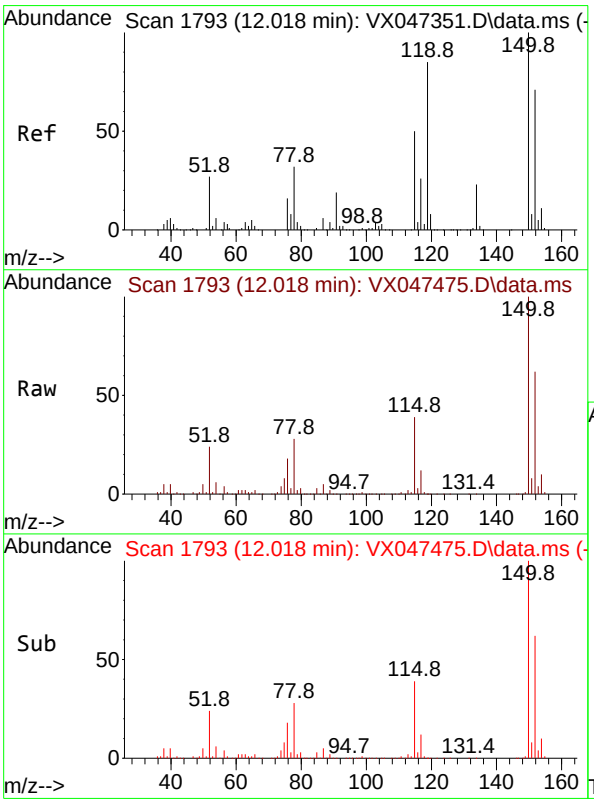
Ion	Ratio	Lower	Upper
117	100		
82	55.8	45.0	67.4
119	31.9	25.8	38.8



Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Manual Integrations
APPROVED

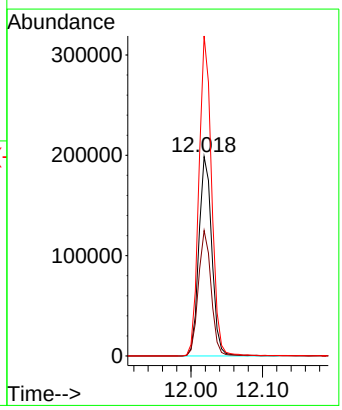
Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047475.D
Acq: 21 Aug 2025 16:56

Tgt Ion:152 Resp: 250060

Ion	Ratio	Lower	Upper
152	100		
115	62.0	44.6	133.8
150	157.2	0.0	349.8



Sample Results: **VX047475.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047475.D
Acq On : 21 Aug 2025 16:56
Operator : JC/MD
Sample : Q2903-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047475.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	47	rBV	237517	689849	44.17%	7.522%
2	5.397	694	707	724	rBV4	162193	508891	32.58%	5.549%
3	5.568	724	735	754	rVB	226959	693102	44.38%	7.557%
4	5.964	791	800	812	rBV	184384	524353	33.57%	5.717%
5	6.769	922	932	955	rBV	435599	1116321	71.48%	12.172%
6	8.647	1234	1240	1258	rBV	872292	1461916	93.61%	15.940%
7	10.055	1465	1471	1483	rBV	1050137	1482348	94.92%	16.163%
8	11.079	1634	1639	1653	rBV	854438	1097150	70.25%	11.963%
9	12.018	1788	1793	1815	rBV	1258413	1561759	100.00%	17.029%
10	13.780	2077	2082	2088	rBV	10790	16594	1.06%	0.181%
11	14.780	2241	2246	2252	rBV2	12150	18799	1.20%	0.205%

Sum of corrected areas: 9171082

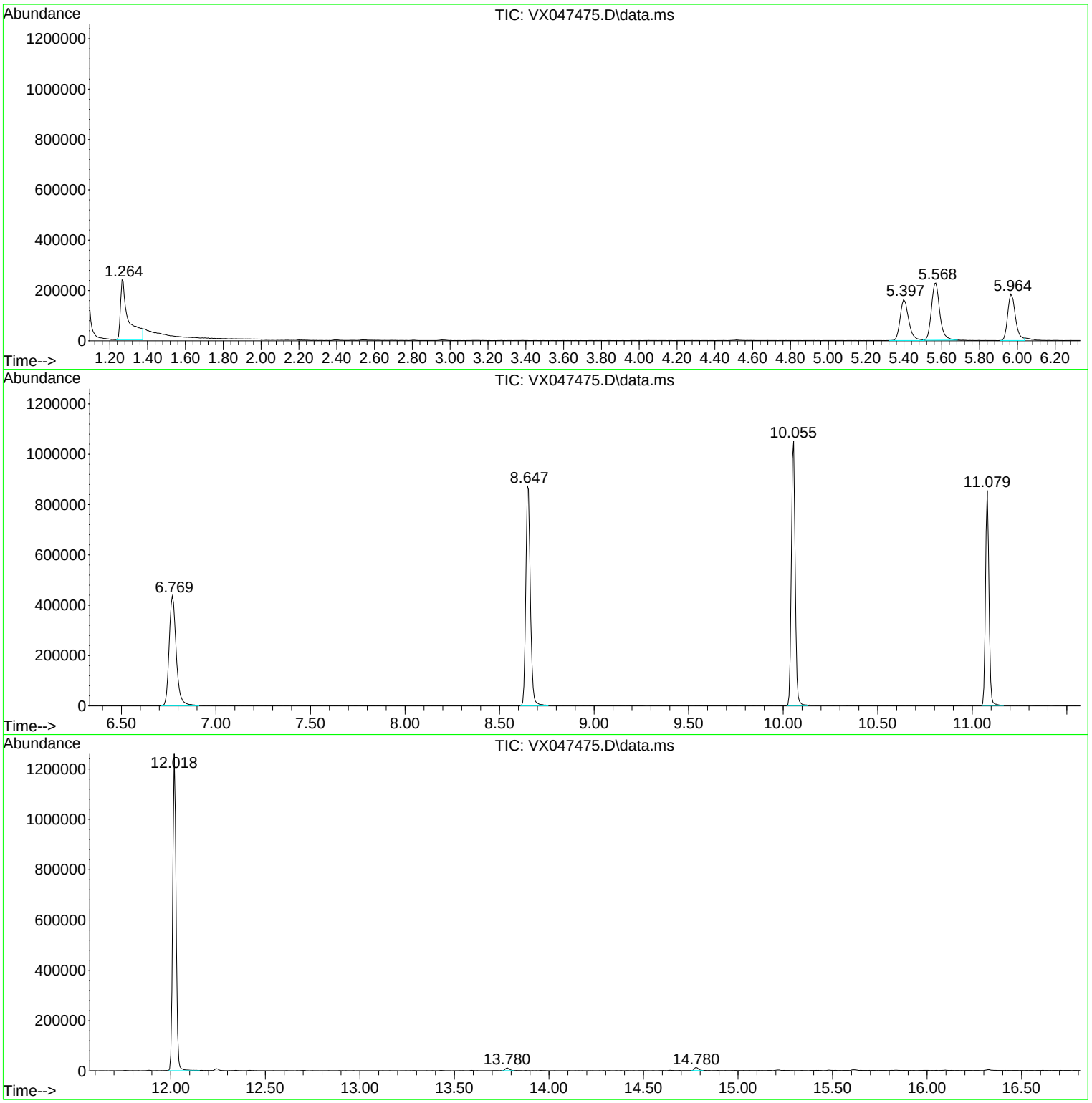
Sample Results: **VX047475.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047475.D
Acq On : 21 Aug 2025 16:56
Operator : JC/MD
Sample : Q2903-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047475.D
Acq On : 21 Aug 2025 16:56
Operator : JC/MD
Sample : Q2903-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

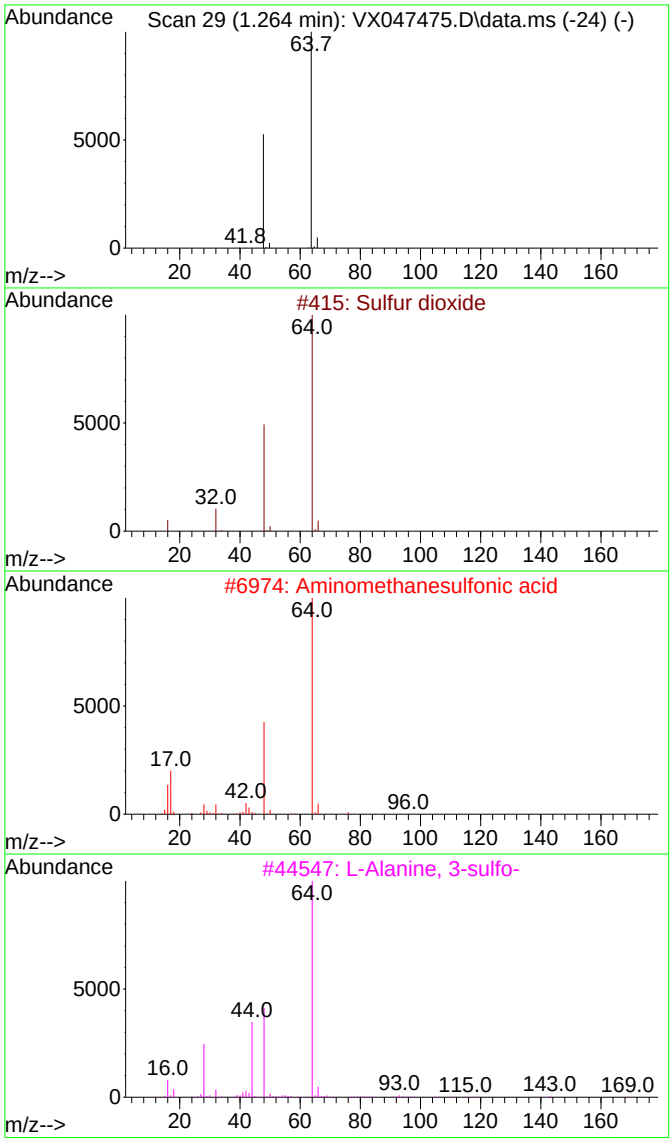
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

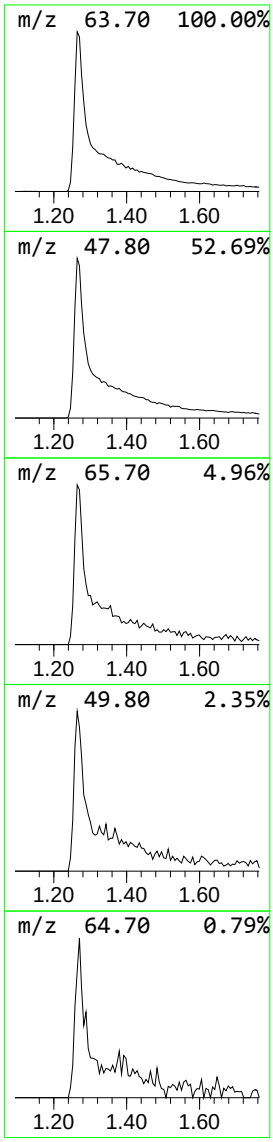
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	49.77 ug/l	689849	Pentafluorobenzene	5.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Sample Results: **VX047475.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047475.D
Acq On : 21 Aug 2025 16:56
Operator : JC/MD
Sample : Q2903-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.264	49.8	ug/l	689849	1	5.568	693102	50.0

Raw Data: **VX047476.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-1B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047476.D	1	08/21/25 17:17	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	3.00	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.32	J	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.30	J	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	7.00		0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	0.31	J	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	9.30		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.52	J	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-1B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047476.D	1	08/21/25 17:17	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	28.9		0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.42	J	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	49.0		86 - 113	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.0		77 - 121	112%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	202000	5.568			
540-36-3	1,4-Difluorobenzene	411000	6.769			
3114-55-4	Chlorobenzene-d5	411000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	212000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047476.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-1B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-04	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047476.D	1	08/21/25 17:17	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	35.2	J		1.26	ug/L

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\VX082125\
Data File : VX047476.D
Acq On : 21 Aug 2025 17:17
Operator : JC/MD
Sample : Q2903-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Quant Time: Aug 22 03:51:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

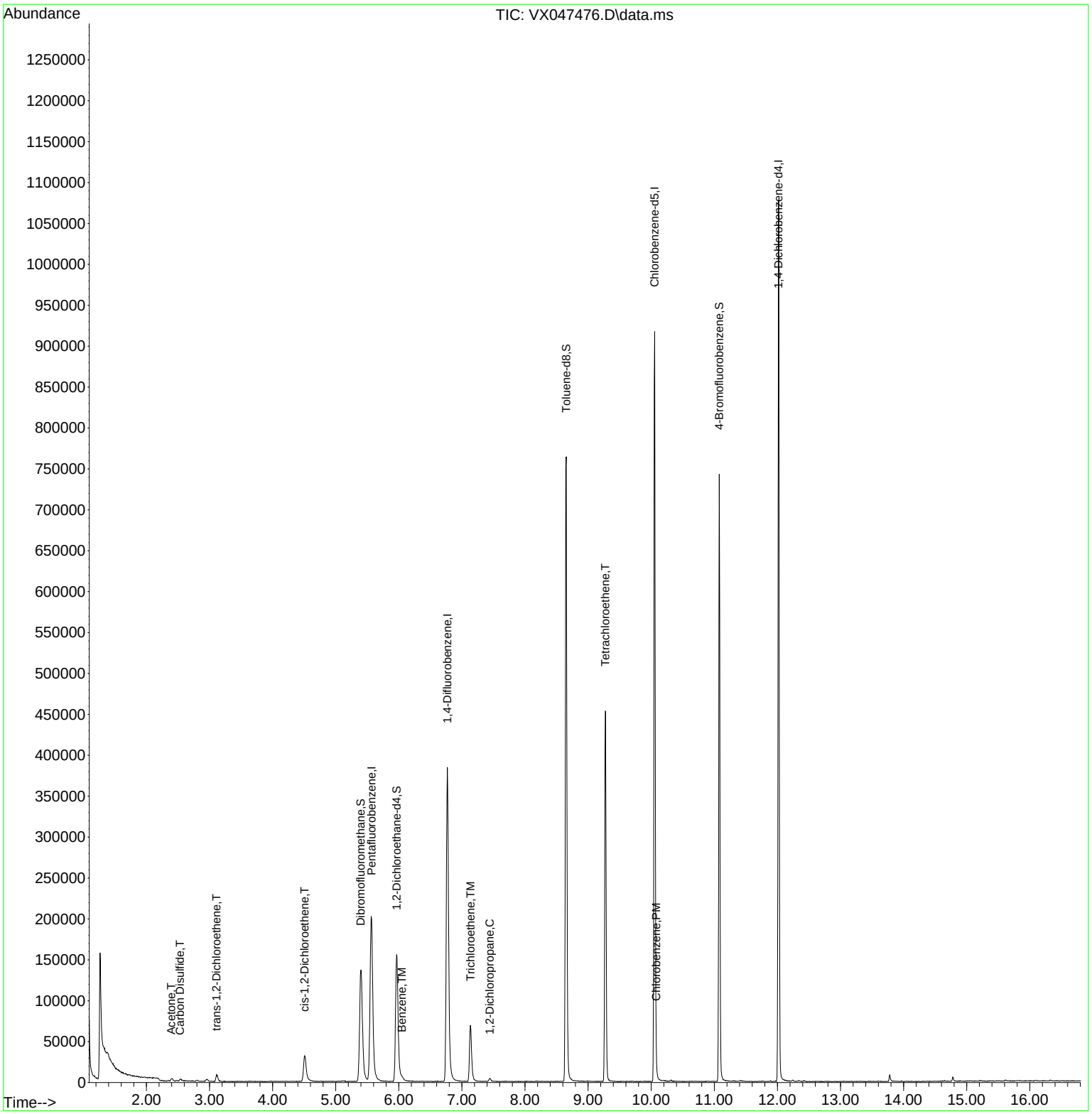
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	202322	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	410659	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	411448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	211647	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	165893	58.587	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 117.180%#			
35) Dibromofluoromethane	5.397	113	134169	50.341	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.680%			
50) Toluene-d8	8.653	98	466477	48.968	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.940%			
62) 4-Bromofluorobenzene	11.079	95	196710	55.957	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.920%			
Target Compounds						Qvalue
16) Acetone	2.392	43	3182	2.990	ug/l #	47
17) Carbon Disulfide	2.532	76	2435	0.317	ug/l #	82
21) trans-1,2-Dichloroethene	3.111	96	3491	1.291	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	22147	7.033	ug/l	92
40) Benzene	6.050	78	3896	0.309	ug/l #	85
44) Trichloroethene	7.135	130	29849	9.257	ug/l	98
45) 1,2-Dichloropropane	7.440	63	1628	0.516	ug/l	94
64) Tetrachloroethene	9.275	164	85974	28.888	ug/l	97
65) Chlorobenzene	10.079	112	4144	0.424	ug/l #	86

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

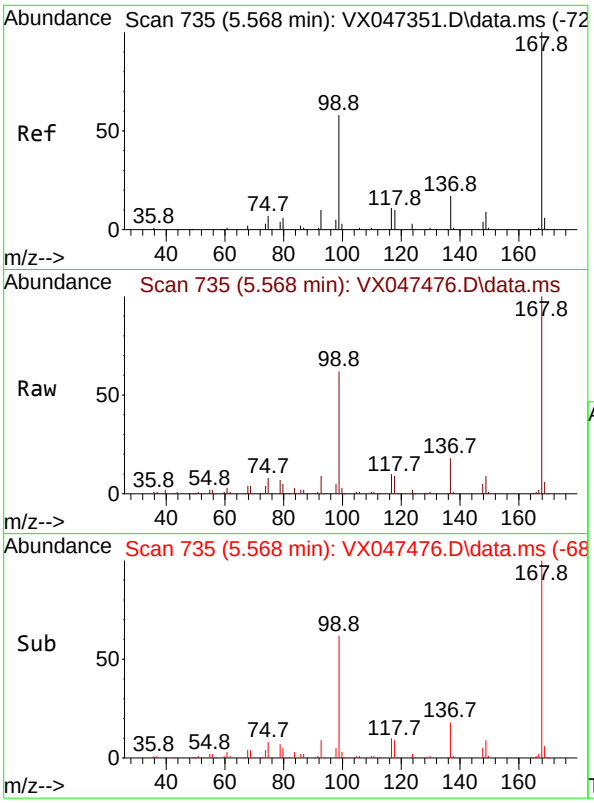
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047476.D
Acq On : 21 Aug 2025 17:17
Operator : JC/MD
Sample : Q2903-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Quant Time: Aug 22 03:51:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



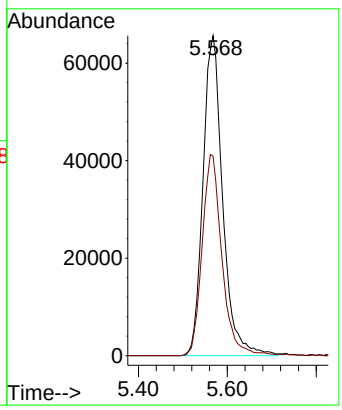
Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

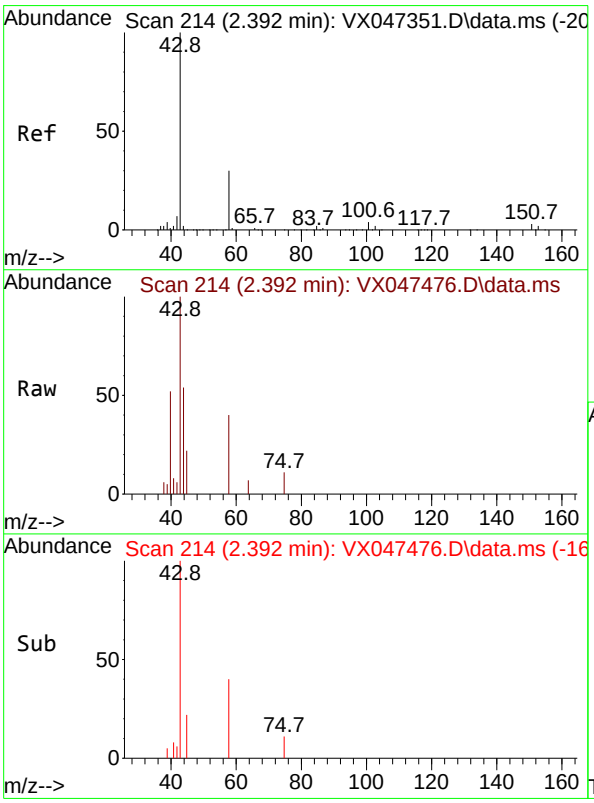


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion:168 Resp: 202322

Ion	Ratio	Lower	Upper
168	100		
99	62.4	47.9	71.9

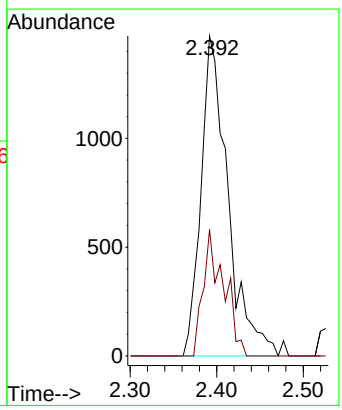


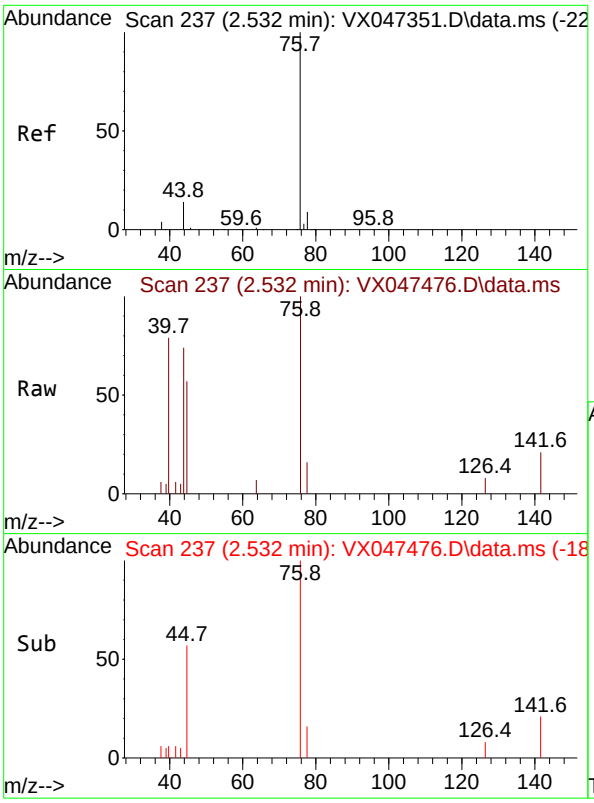


#16
Acetone
Concen: 2.990 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 43 Resp: 3182

Ion	Ratio	Lower	Upper
43	100		
58	60.2	24.8	37.2#



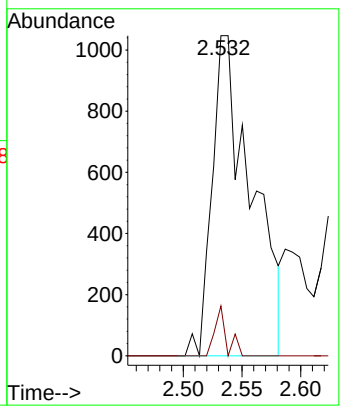


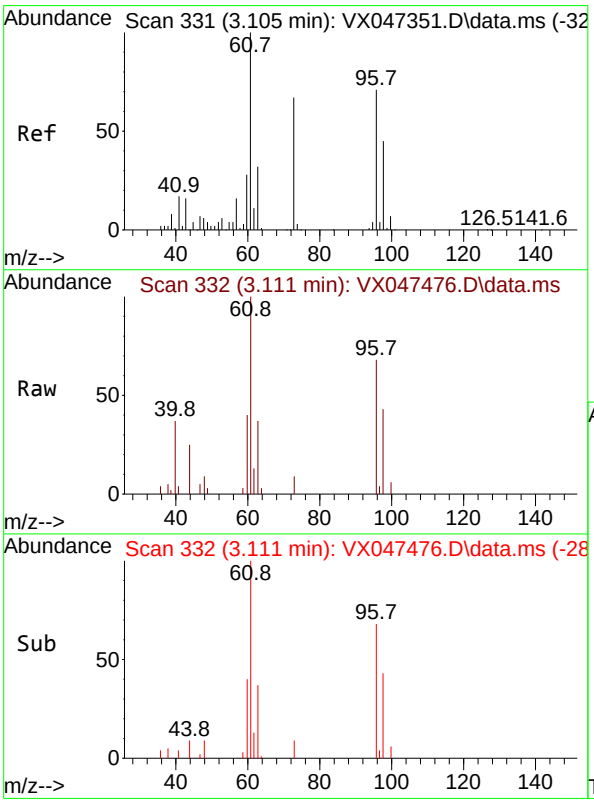
#17
Carbon Disulfide
Concen: 0.317 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Tgt Ion: 76 Resp: 2435

Ion	Ratio	Lower	Upper
76	100		
78	15.6	7.2	10.8#

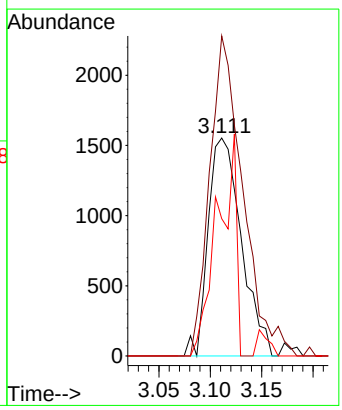


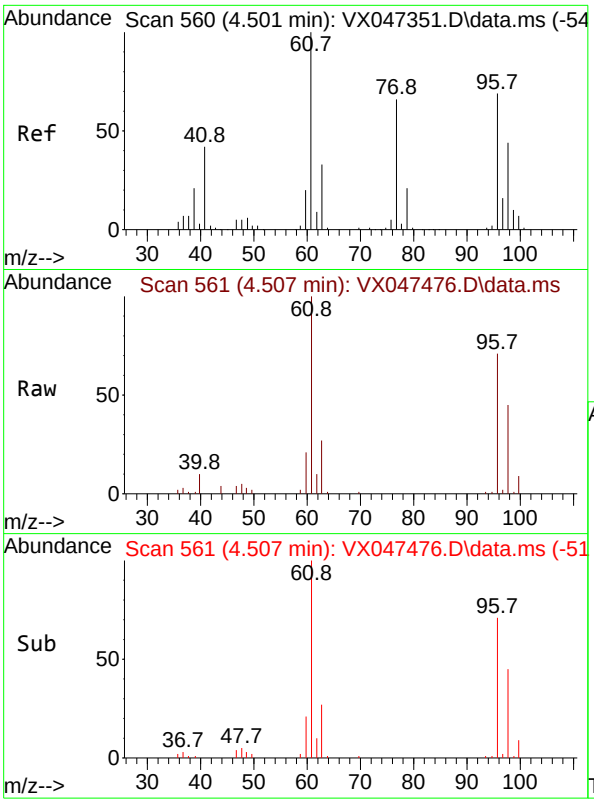


#21
trans-1,2-Dichloroethene
Concen: 1.291 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 96 Resp: 3491

Ion	Ratio	Lower	Upper
96	100		
61	137.8	112.6	169.0
98	59.1	50.9	76.3



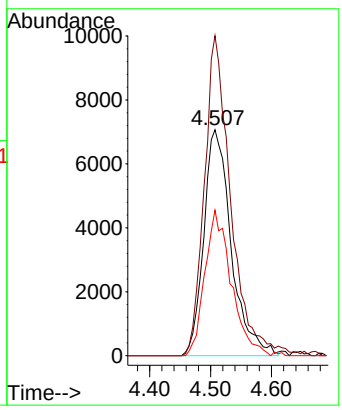


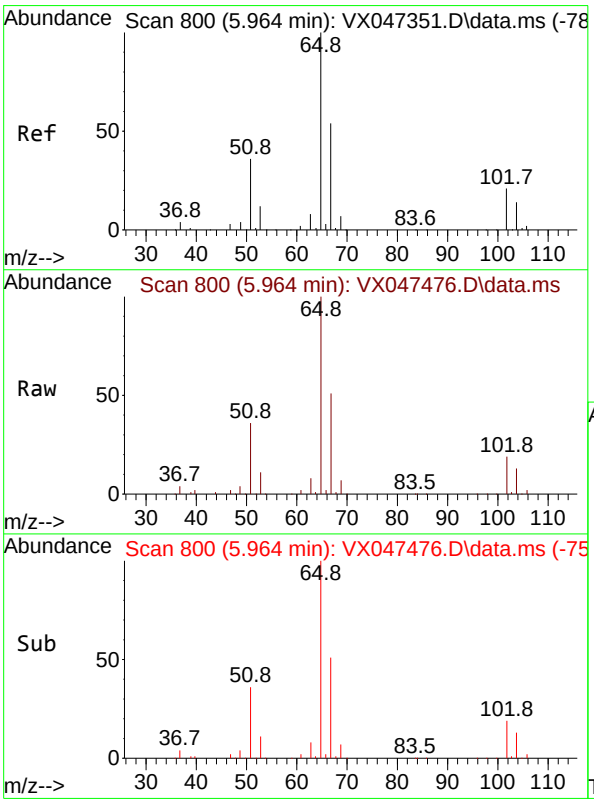
#27
cis-1,2-Dichloroethene
Concen: 7.033 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Tgt Ion: 96 Resp: 22147

Ion	Ratio	Lower	Upper
96	100		
61	136.4	0.0	296.6
98	61.8	0.0	130.4

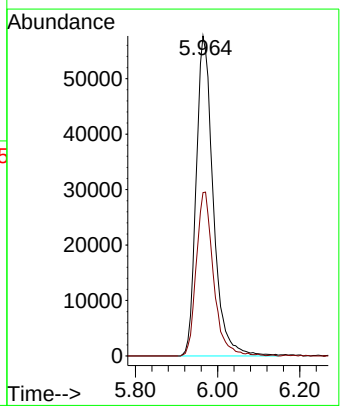


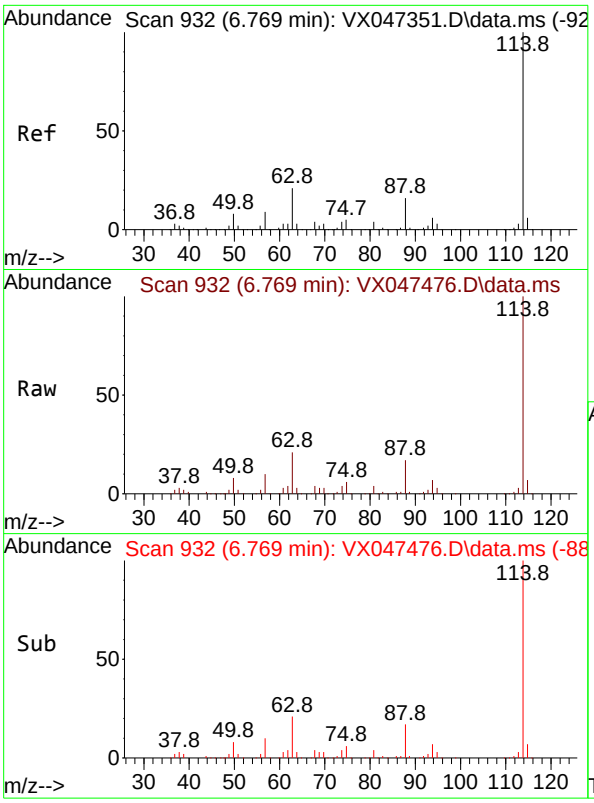


#33
1,2-Dichloroethane-d4
Concen: 58.587 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 65 Resp: 165893

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.0



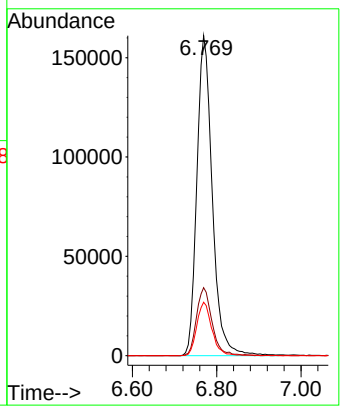


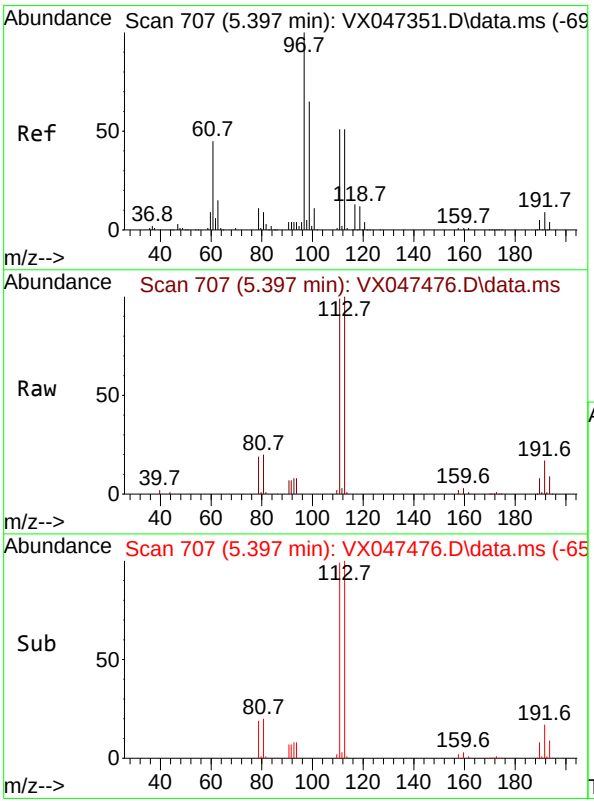
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Tgt Ion:114 Resp: 410659

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	16.7	0.0	33.0

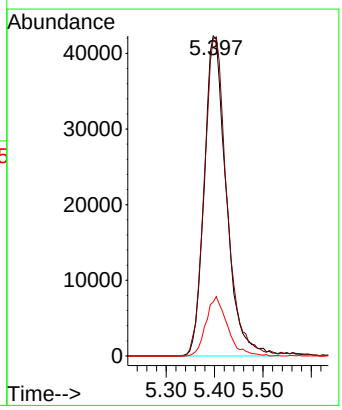


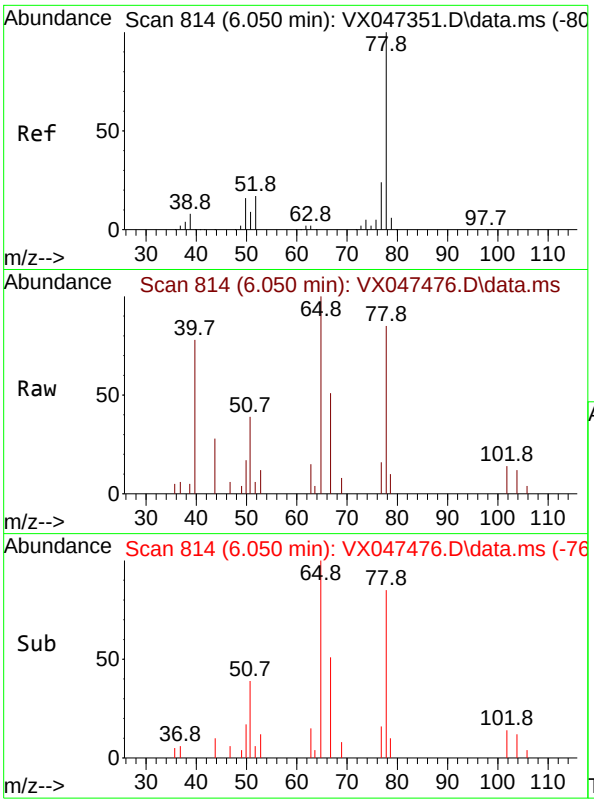


#35
Dibromofluoromethane
Concen: 50.341 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion:113 Resp: 134169

Ion	Ratio	Lower	Upper
113	100		
111	101.3	81.4	122.2
192	18.0	14.1	21.1



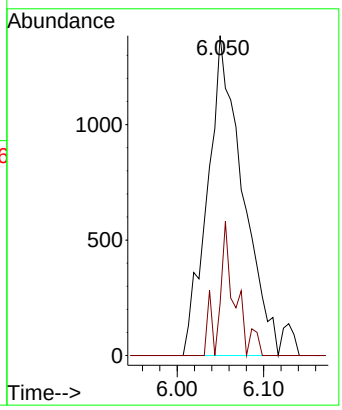


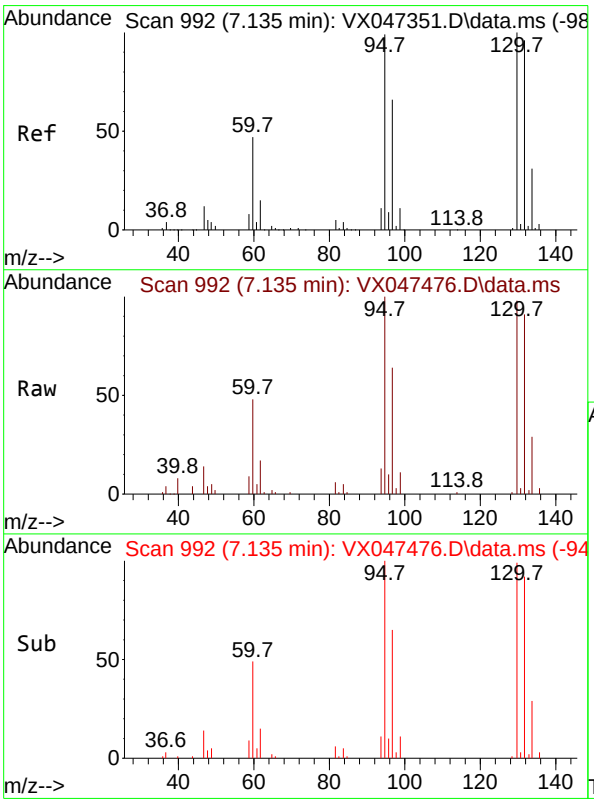
#40
Benzene
Concen: 0.309 ug/l
RT: 6.050 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Tgt Ion: 78 Resp: 3896

Ion	Ratio	Lower	Upper
78	100		
77	16.4	19.0	28.4#

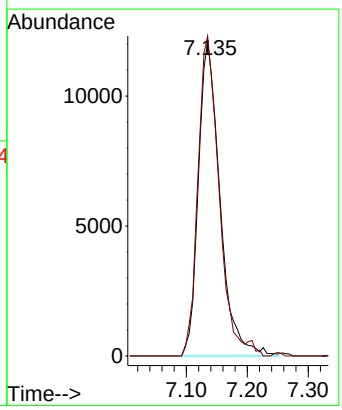


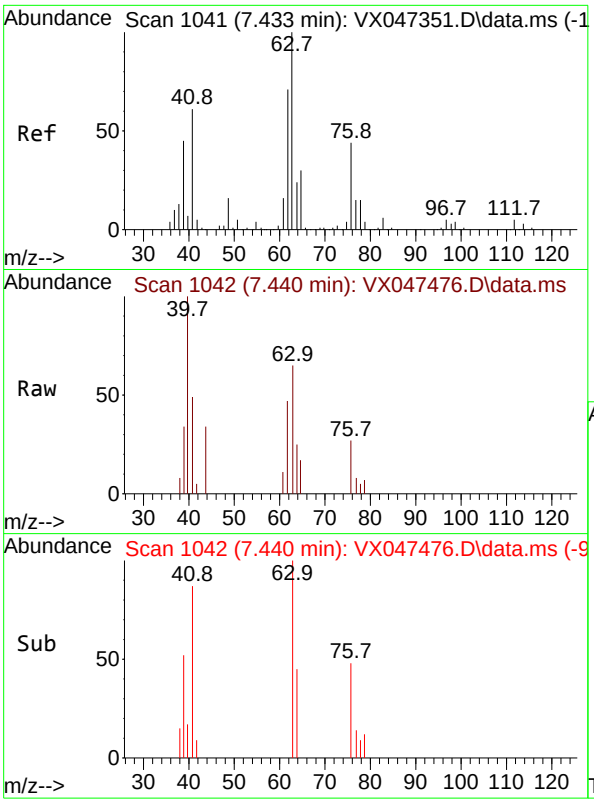


#44
Trichloroethene
Concen: 9.257 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion:130 Resp: 29849

Ion	Ratio	Lower	Upper
130	100		
95	101.7	0.0	198.6



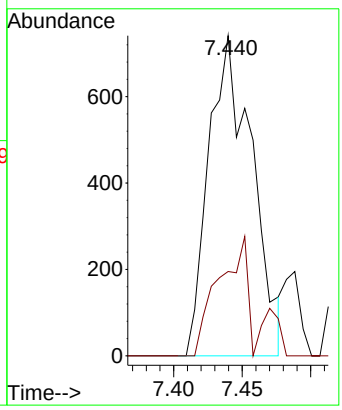


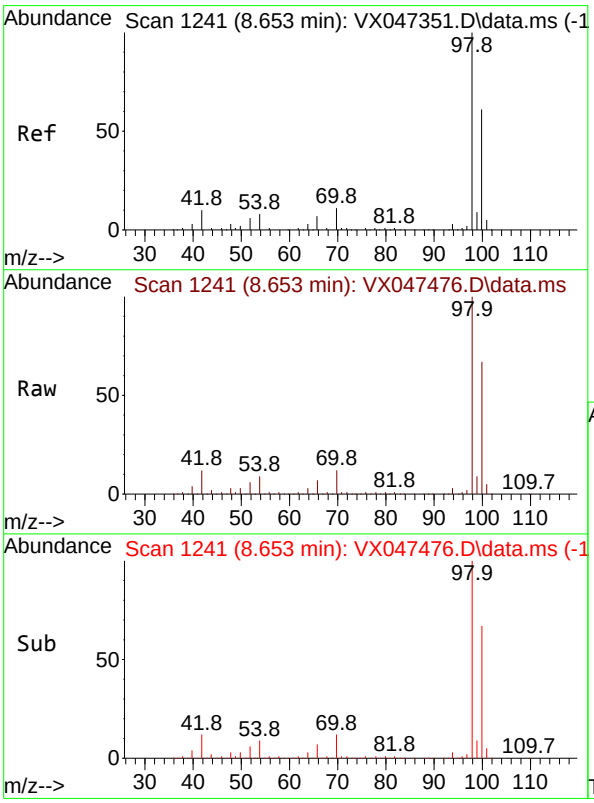
#45
1,2-Dichloropropane
Concen: 0.516 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Tgt Ion: 63 Resp: 1628

Ion	Ratio	Lower	Upper
63	100		
65	26.3	23.8	35.6

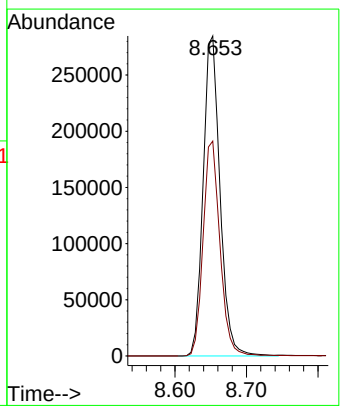


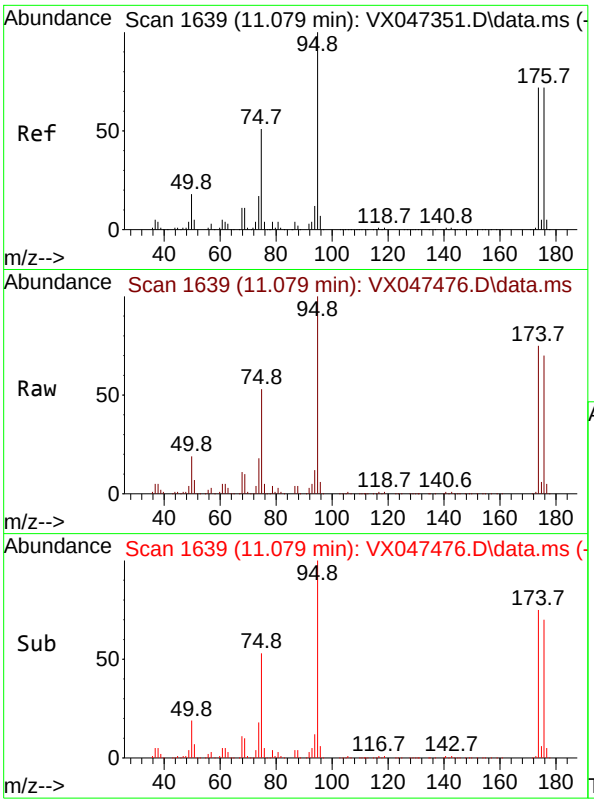


#50
Toluene-d8
Concen: 48.968 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion: 98 Resp: 466477

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.9	80.9



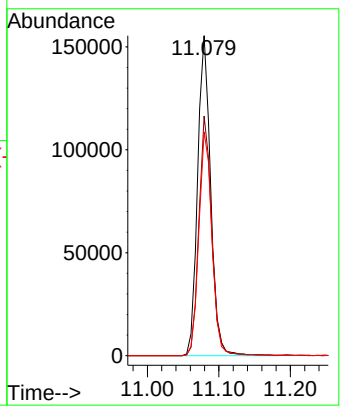


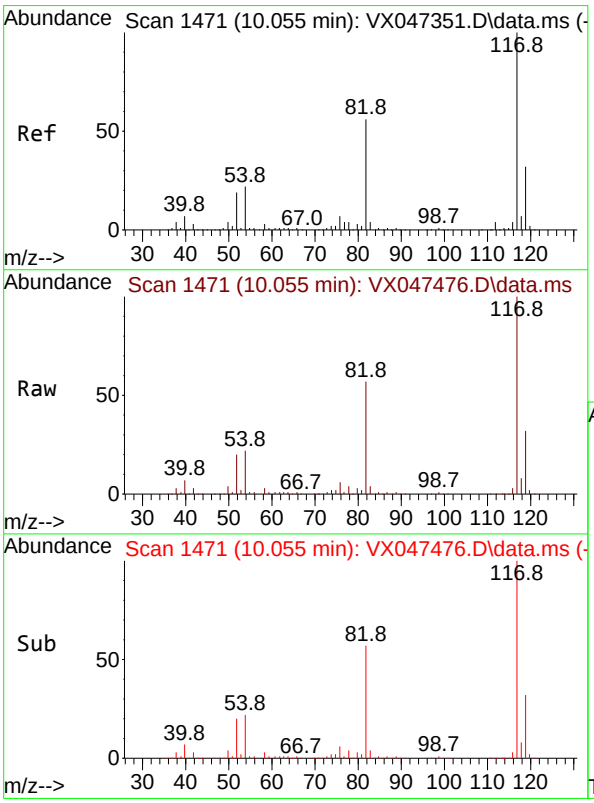
#62
4-Bromofluorobenzene
Concen: 55.957 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Tgt Ion: 95 Resp: 196710

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	148.0
176	70.1	0.0	145.4

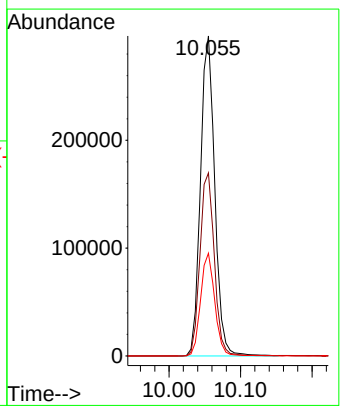


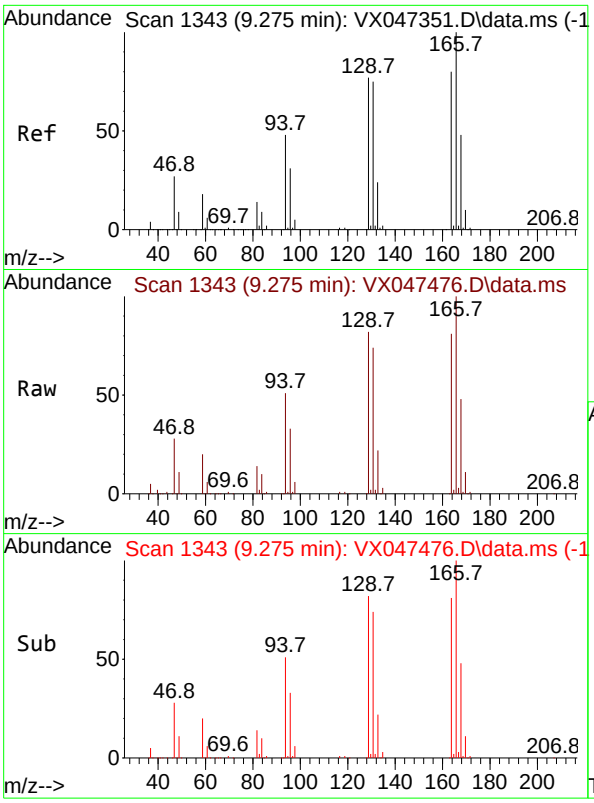


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion:117 Resp: 411448

Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.0	67.4
119	32.1	25.8	38.8



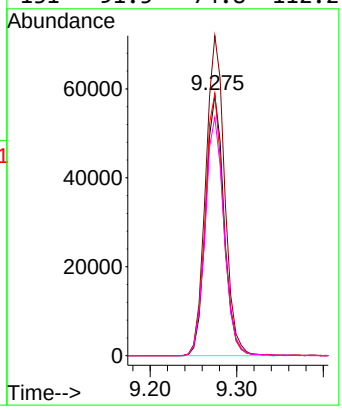


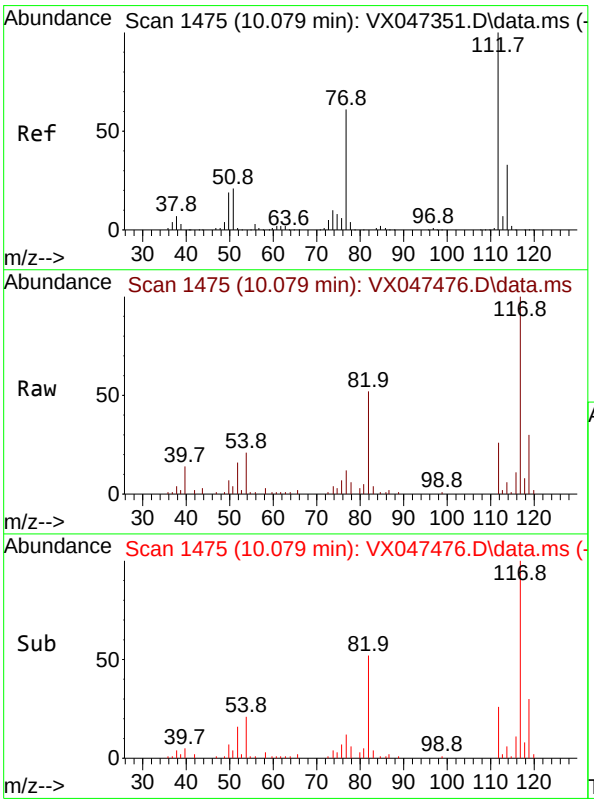
#64
Tetrachloroethene
Concen: 28.888 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Tgt Ion:164 Resp: 85974

Ion	Ratio	Lower	Upper
164	100		
166	122.9	100.3	150.5
129	100.7	77.7	116.5
131	91.5	74.8	112.2

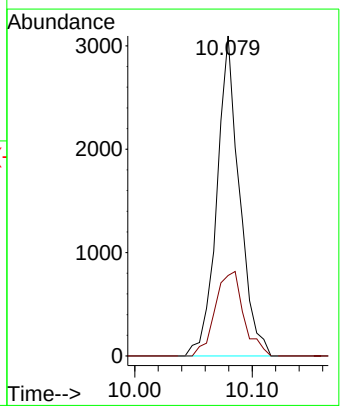


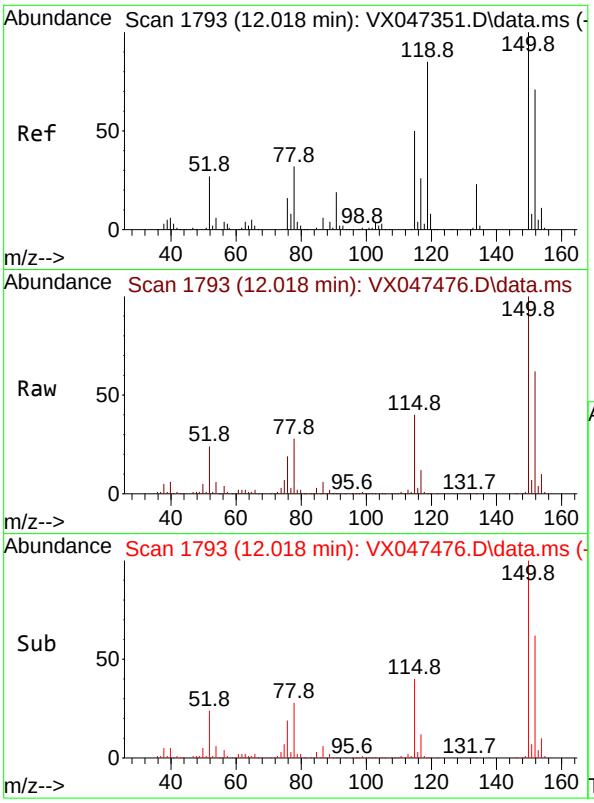


#65
Chlorobenzene
Concen: 0.424 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Tgt Ion:112 Resp: 4144

Ion	Ratio	Lower	Upper
112	100		
114	25.2	26.4	39.6#



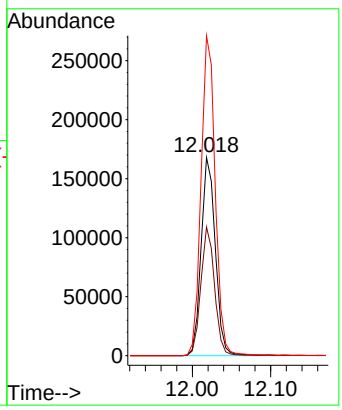


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047476.D
Acq: 21 Aug 2025 17:17

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Tgt Ion:152 Resp: 211647

Ion	Ratio	Lower	Upper
152	100		
115	62.7	44.6	133.8
150	161.6	0.0	349.8



Sample Results: **VX047476.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047476.D
Acq On : 21 Aug 2025 17:17
Operator : JC/MD
Sample : Q2903-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047476.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	46	rBV	154166	441101	33.08%	5.042%
2	3.111	326	332	339	rBV5	8372	18932	1.42%	0.216%
3	4.507	553	561	581	rBV2	31180	98607	7.40%	1.127%
4	5.397	694	707	724	rBV3	136122	439918	32.99%	5.028%
5	5.562	724	734	760	rVB	201575	626902	47.02%	7.165%
6	5.964	791	800	826	rBV	155172	462651	34.70%	5.288%
7	6.769	922	932	955	rBV	383946	975094	73.13%	11.145%
8	7.135	985	992	1002	rBV2	68512	162064	12.16%	1.852%
9	8.653	1234	1241	1261	rBV	763140	1264610	94.85%	14.454%
10	9.275	1335	1343	1355	rBV3	453015	683830	51.29%	7.816%
11	10.055	1465	1471	1487	rBV	916430	1302219	97.67%	14.884%
12	11.079	1634	1639	1656	rBV	742181	939761	70.48%	10.741%
13	12.018	1788	1793	1805	rBV	1077064	1333293	100.00%	15.239%

Sum of corrected areas: 8748982

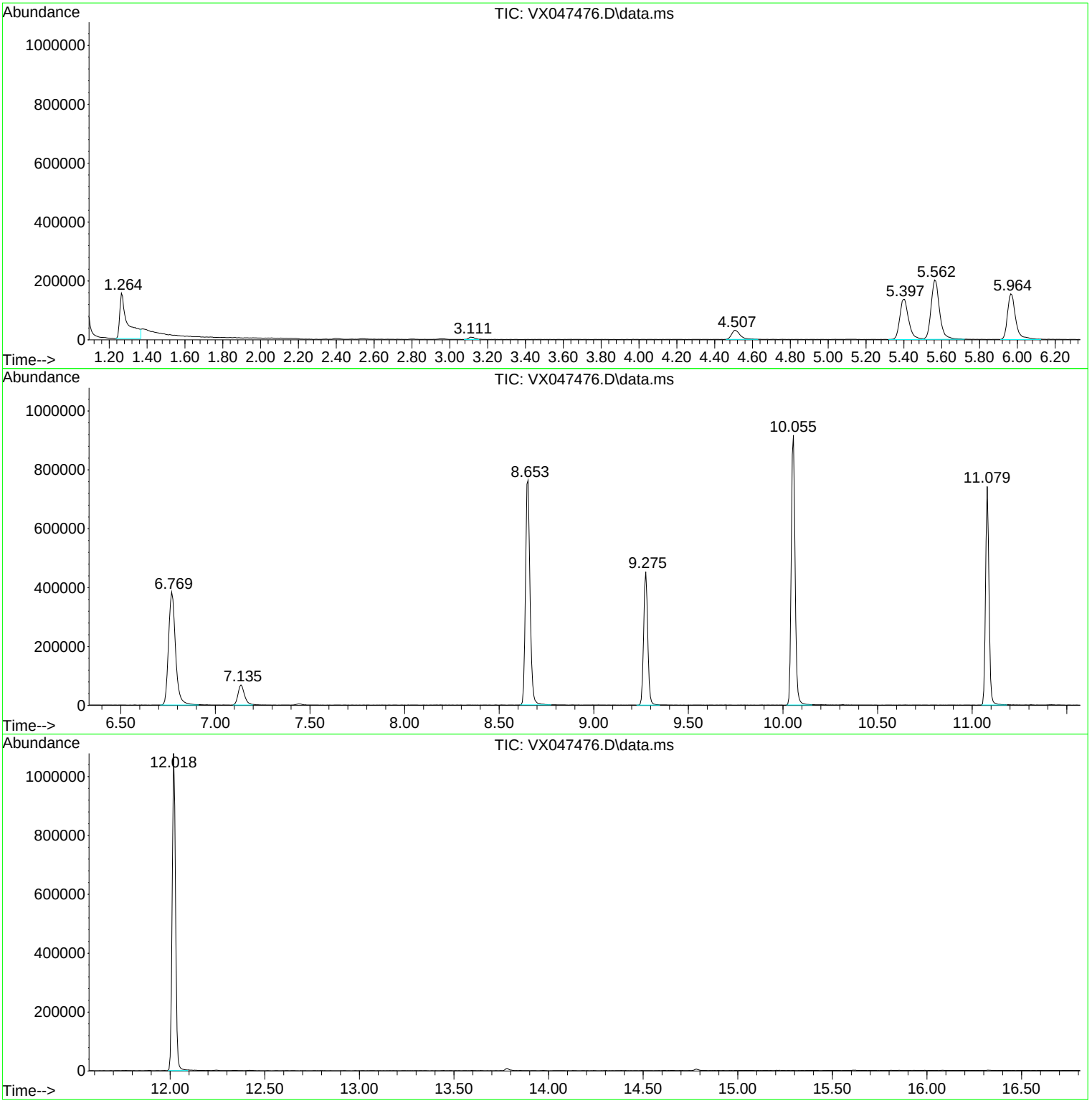
Sample Results: **VX047476.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047476.D
Acq On : 21 Aug 2025 17:17
Operator : JC/MD
Sample : Q2903-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047476.D
Acq On : 21 Aug 2025 17:17
Operator : JC/MD
Sample : Q2903-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

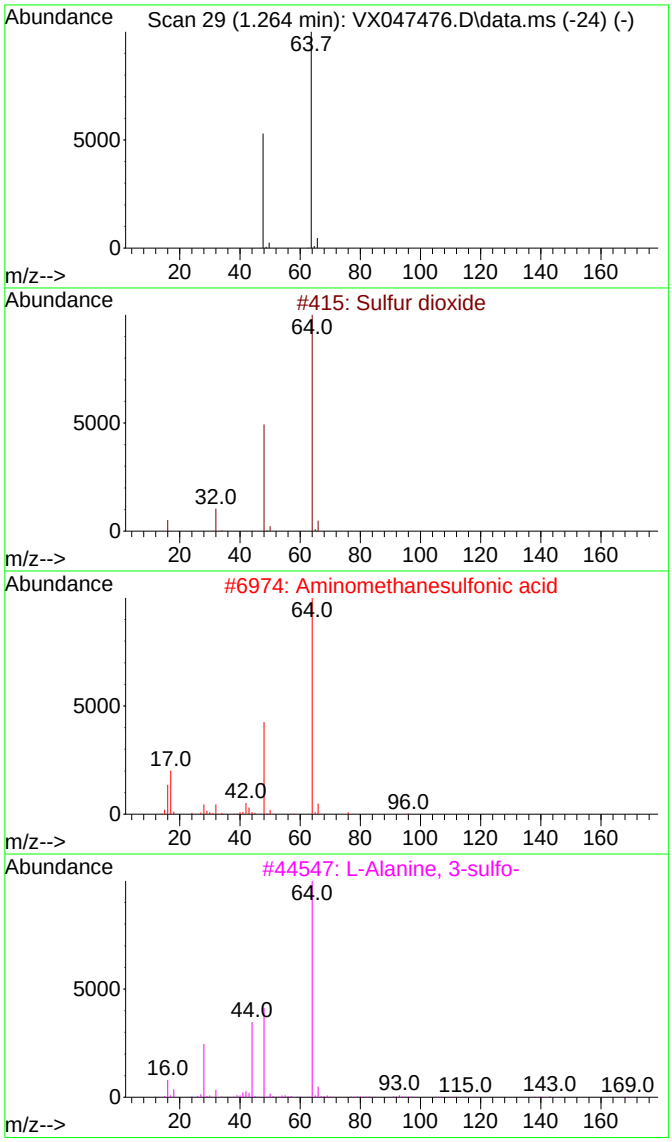
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

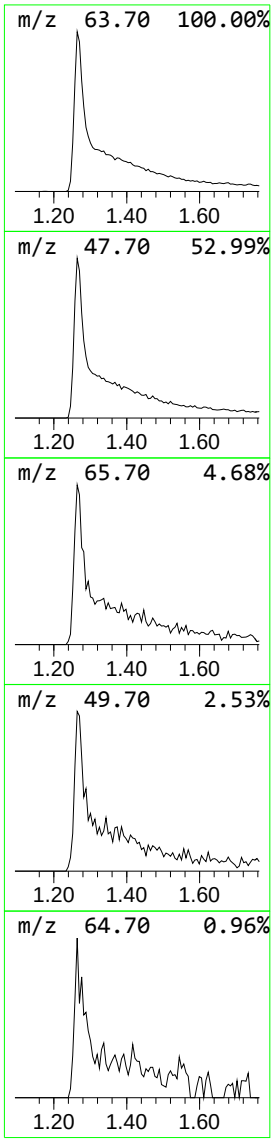
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.264	35.18 ug/l	441101	Pentafluorobenzene	5.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Sample Results: **VX047476.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047476.D
Acq On : 21 Aug 2025 17:17
Operator : JC/MD
Sample : Q2903-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-1B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.264	35.2	ug/l	441101	1	5.568	626902	50.0

Raw Data: **VX047479.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-12B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047479.D	1	08/21/25 18:21	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	4.80	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.30	J	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.76	J	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	2.00	J	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.34	J	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	1.80	J	0.16	5.00	ug/L
71-43-2	Benzene	350	E	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	0.65	J	0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-12B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047479.D	1	08/21/25 18:21	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	1.20	J	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	1.60	J	0.24	10.0	ug/L
95-47-6	o-Xylene	2.50	J	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	12.2		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.1		74 - 125	122%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4		75 - 124	111%	SPK: 50
2037-26-5	Toluene-d8	52.6		86 - 113	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.5	*	77 - 121	123%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	264000	5.568			
540-36-3	1,4-Difluorobenzene	513000	6.769			
3114-55-4	Chlorobenzene-d5	521000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	277000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047479.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-12B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-07	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047479.D	1	08/21/25 18:21	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	20.7	J		1.27	ug/L
000115-11-7	1-Propene, 2-methyl-	11.0	J		1.37	ug/L
103-65-1	n-propylbenzene	1.10	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.51	J		11.5	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	13.3	J		11.6	ug/L
95-63-6	1,2,4-Trimethylbenzene	2.00	J		11.8	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	6.70	J		12.1	ug/L
000496-11-7	Indane	500	J		12.2	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	12.7	J		12.7	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	9.80	J		13.3	ug/L
000767-59-9	1H-Indene, 1-methyl-	10.4	J		13.4	ug/L

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\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Quant Time: Aug 22 03:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

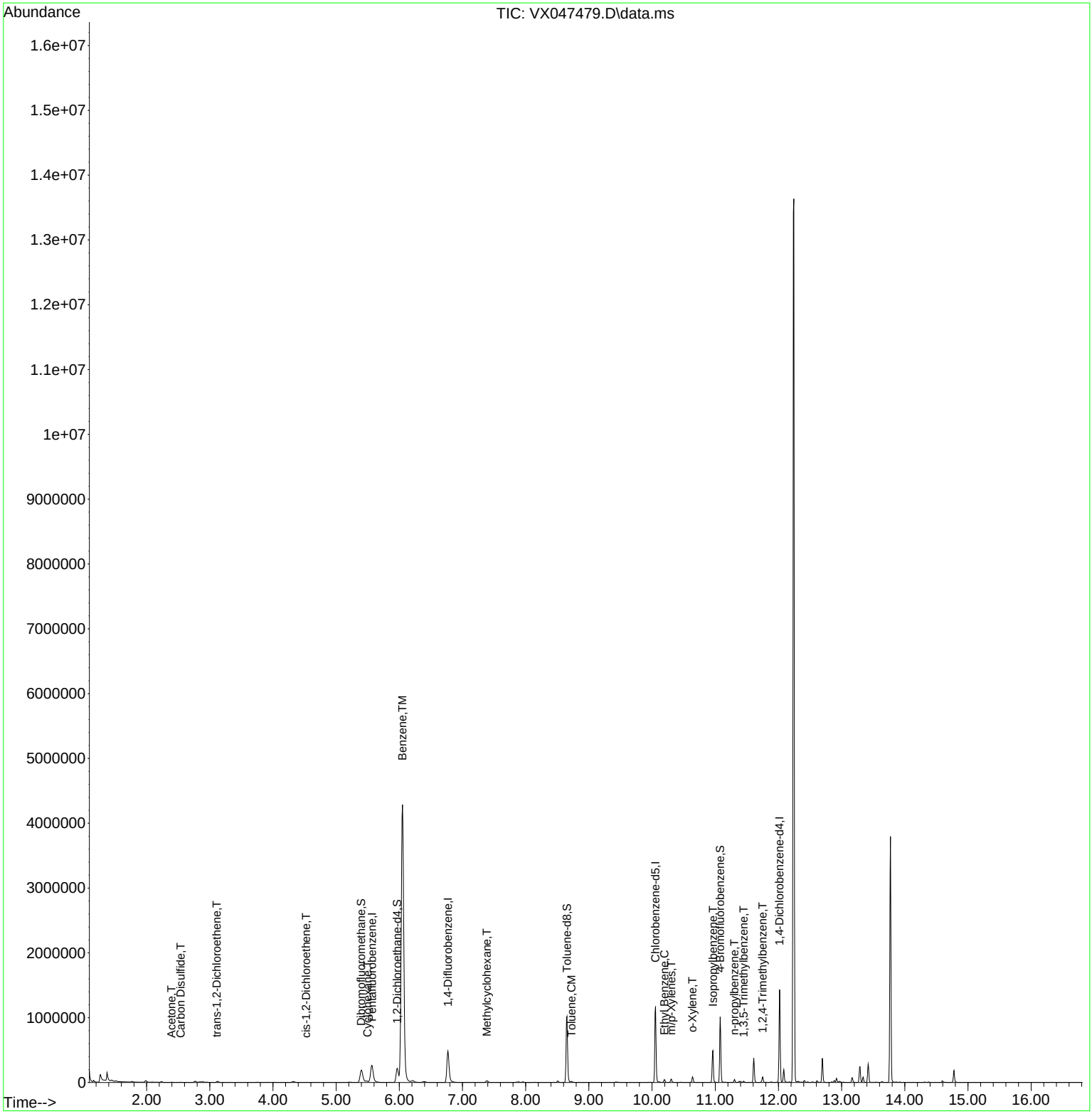
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	263943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	512897	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	520562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	276935	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	225525	61.052	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 122.100%#			
35) Dibromofluoromethane	5.397	113	184387	55.392	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.780%			
50) Toluene-d8	8.653	98	625619	52.583	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 105.160%			
62) 4-Bromofluorobenzene	11.079	95	270114	61.522	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 123.040%#			
Target Compounds						Qvalue
16) Acetone	2.392	43	6723	4.842	ug/l #	83
17) Carbon Disulfide	2.538	76	2973	0.296	ug/l #	75
21) trans-1,2-Dichloroethene	3.111	96	2679	0.760	ug/l #	69
27) cis-1,2-Dichloroethene	4.526	96	1412	0.344	ug/l #	59
31) Cyclohexane	5.495	56	11604	1.952	ug/l	95
39) Methylcyclohexane	7.385	83	11467	1.750	ug/l	95
40) Benzene	6.050	78	5459575	347.120	ug/l	100
52) Toluene	8.726	92	6328	0.651	ug/l	100
67) Ethyl Benzene	10.195	91	25538	1.199	ug/l	100
68) m/p-Xylenes	10.305	106	12537	1.579	ug/l	97
69) o-Xylene	10.640	106	18884	2.472	ug/l	100
73) Isopropylbenzene	10.963	105	264426	12.202	ug/l	99
78) n-propylbenzene	11.305	91	28208	1.090	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	9099	0.510	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	36087	2.024	ug/l	98

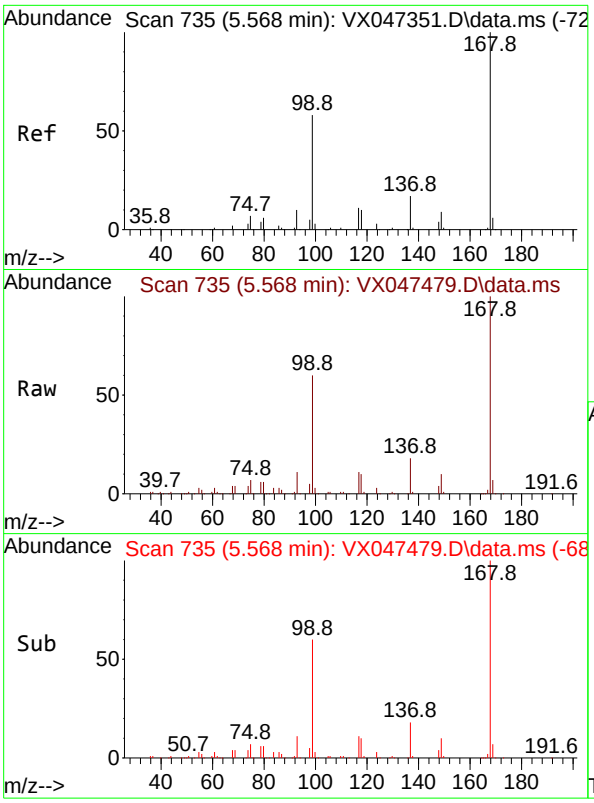
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Quant Time: Aug 22 03:52:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



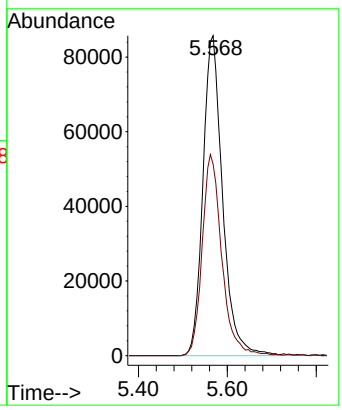


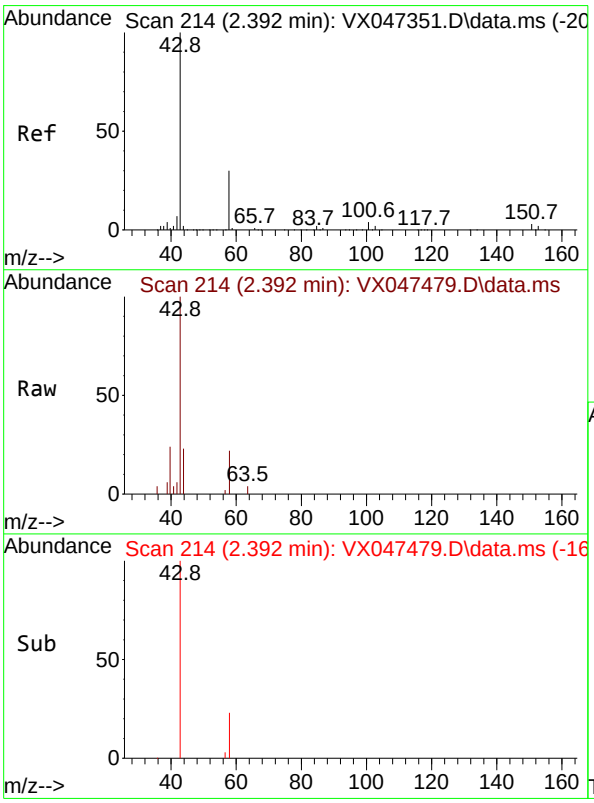
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion:168 Resp: 263943

Ion	Ratio	Lower	Upper
168	100		
99	59.9	47.9	71.9

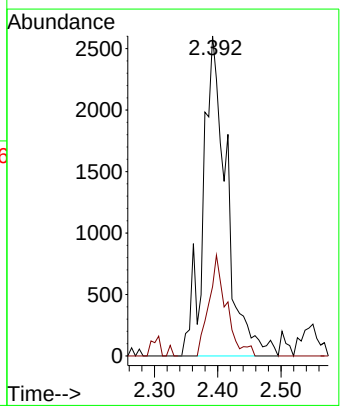


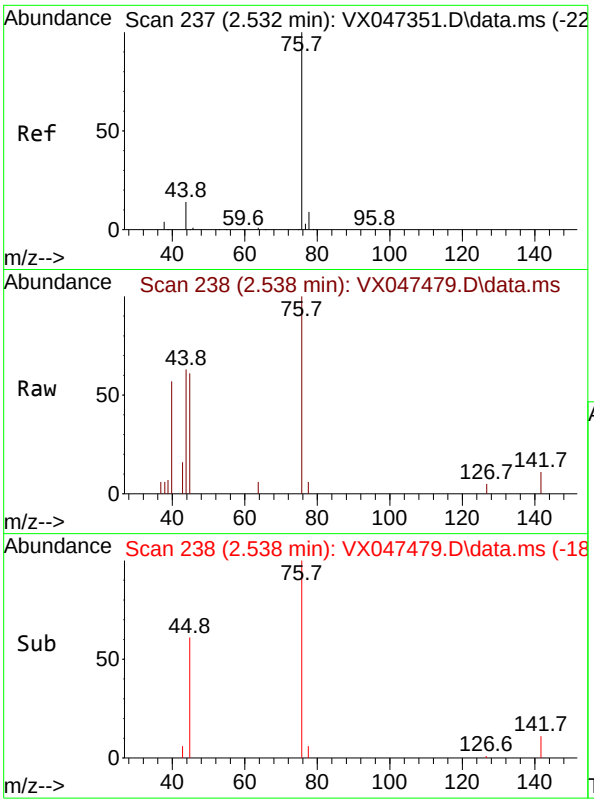


#16
Acetone
Concen: 4.842 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 43 Resp: 6723

Ion	Ratio	Lower	Upper
43	100		
58	21.7	24.8	37.2#



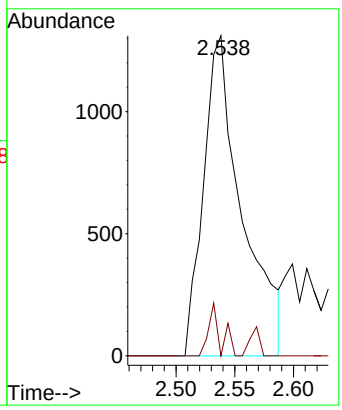


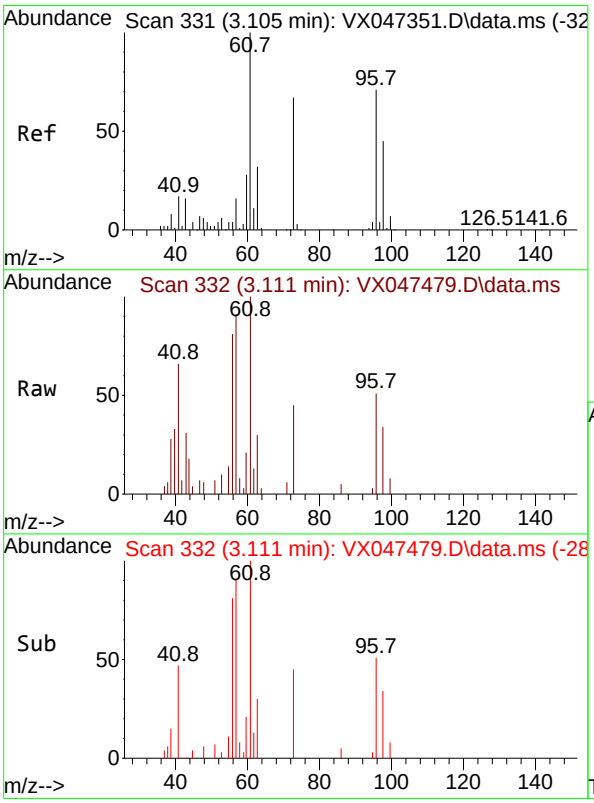
#17
Carbon Disulfide
Concen: 0.296 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion: 76 Resp: 2973

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.2	10.8#

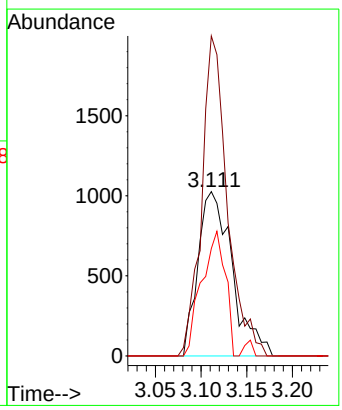


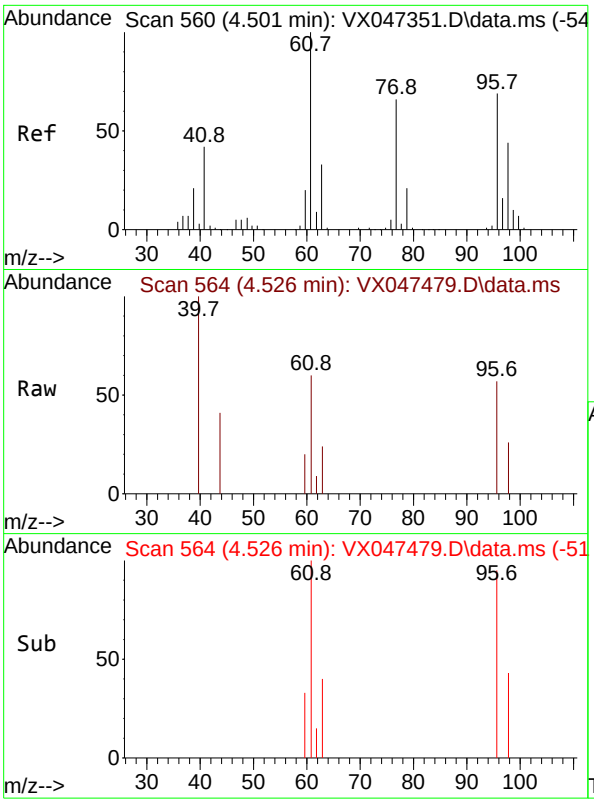


#21
trans-1,2-Dichloroethene
Concen: 0.760 ug/l
RT: 3.111 min Scan# 332
Delta R.T. 0.006 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 96 Resp: 2679

Ion	Ratio	Lower	Upper
96	100		
61	194.7	112.6	169.0#
98	65.3	50.9	76.3



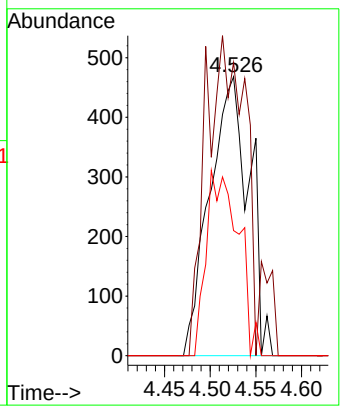


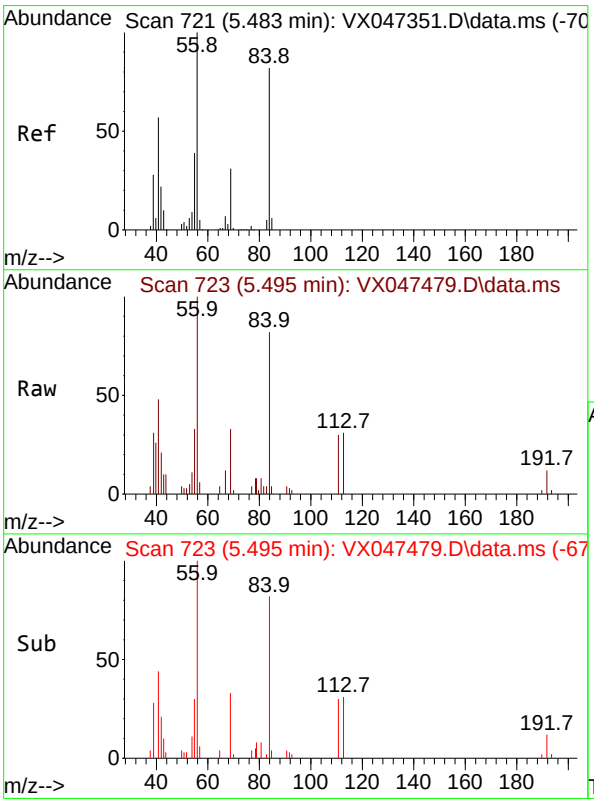
#27
cis-1,2-Dichloroethene
Concen: 0.344 ug/l
RT: 4.526 min Scan# 5
Delta R.T. 0.025 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion: 96 Resp: 1412

Ion	Ratio	Lower	Upper
96	100		
61	120.0	0.0	296.6
98	0.0	0.0	130.4

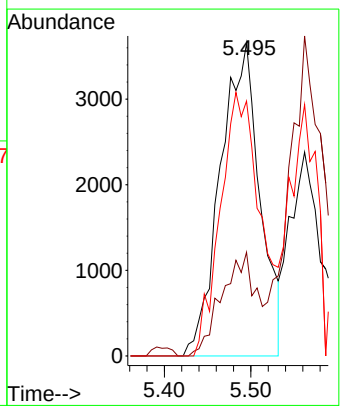


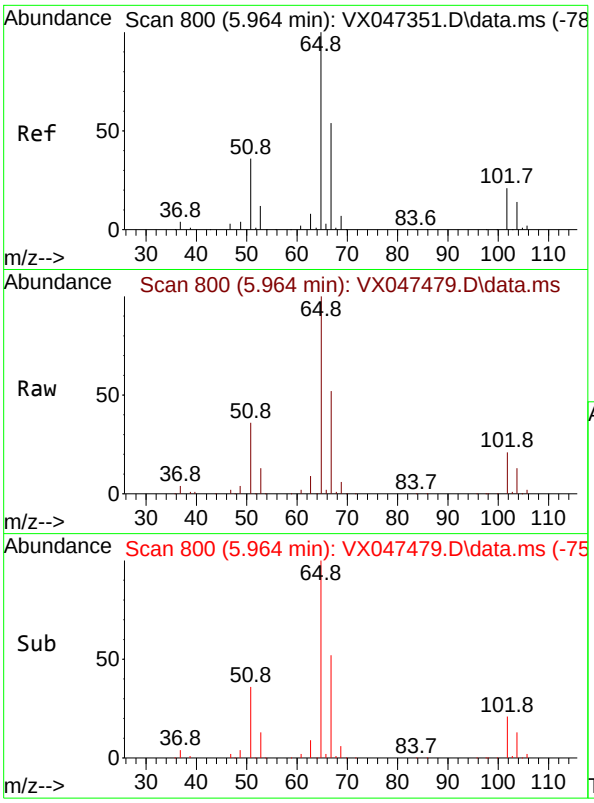


#31
Cyclohexane
Concen: 1.952 ug/l
RT: 5.495 min Scan# 723
Delta R.T. 0.012 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 56 Resp: 11604

Ion	Ratio	Lower	Upper
56	100		
69	33.2	24.3	36.5
84	85.5	65.3	97.9



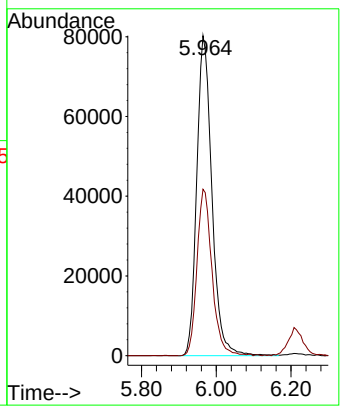


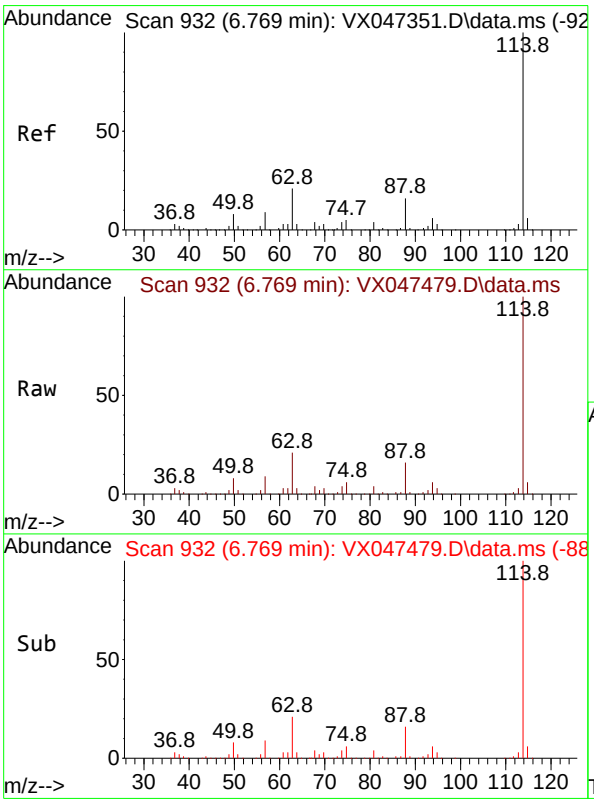
#33
1,2-Dichloroethane-d4
Concen: 61.052 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion: 65 Resp: 225525

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.0

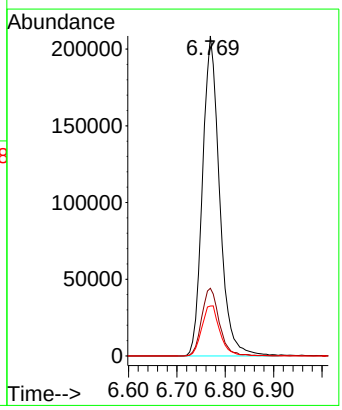


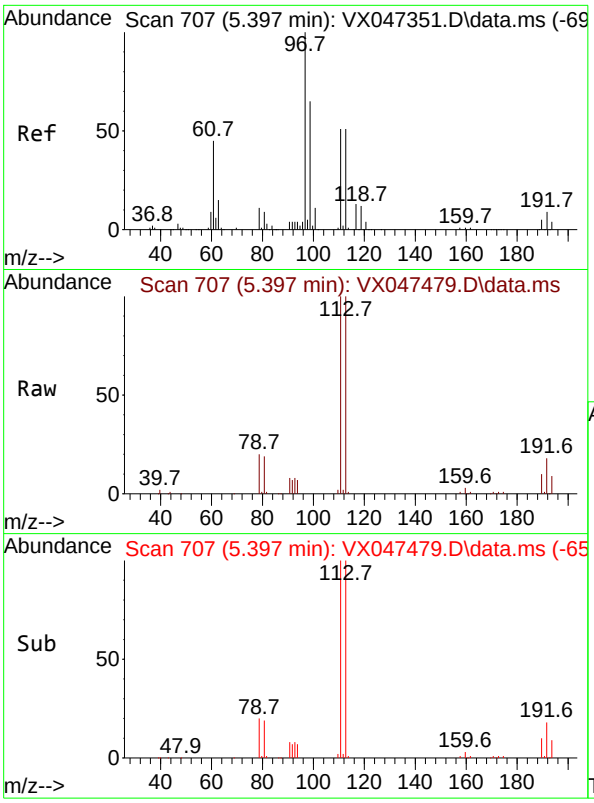


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion:114 Resp: 512897

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.4
88	15.6	0.0	33.0



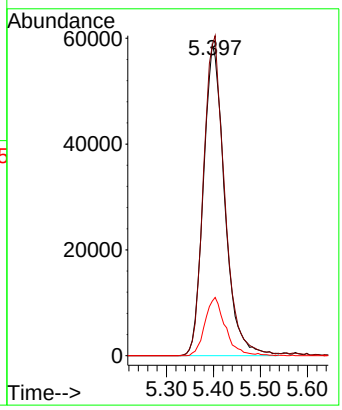


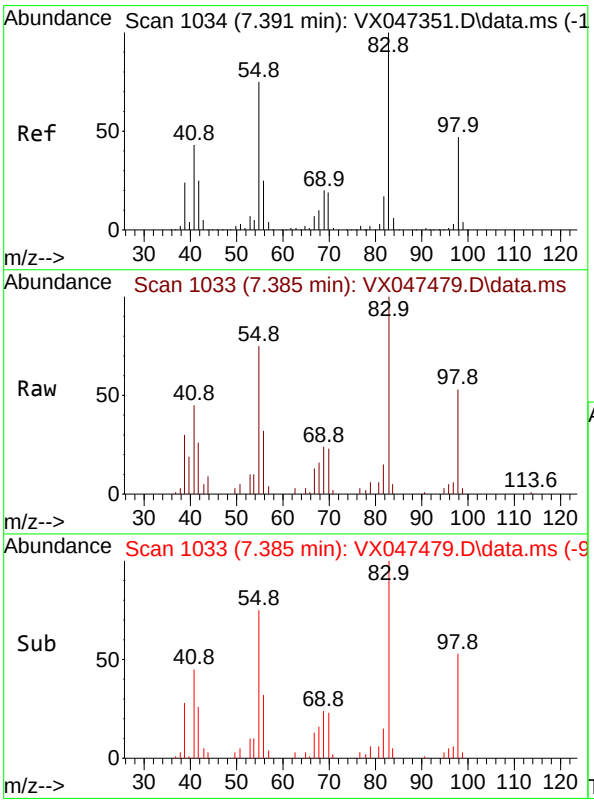
#35
Dibromofluoromethane
Concen: 55.392 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion:113 Resp: 184387

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.4	122.2
192	18.1	14.1	21.1

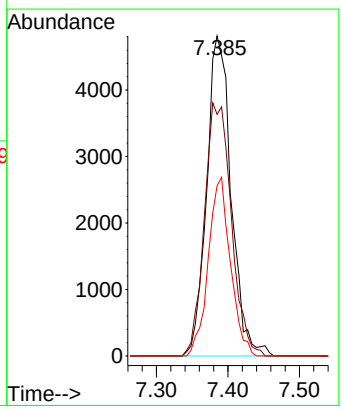


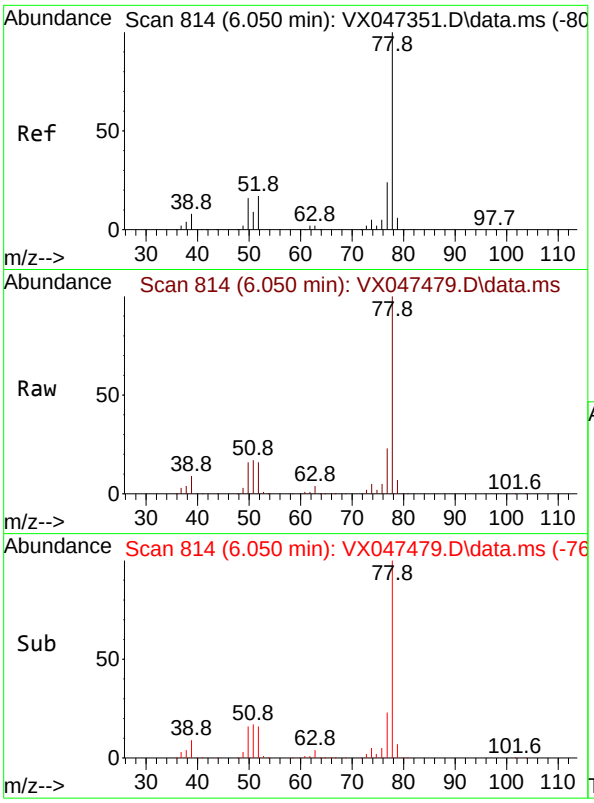


#39
Methylcyclohexane
Concen: 1.750 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.006 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 83 Resp: 11467

Ion	Ratio	Lower	Upper
83	100		
55	71.6	60.0	90.0
98	50.5	37.2	55.8



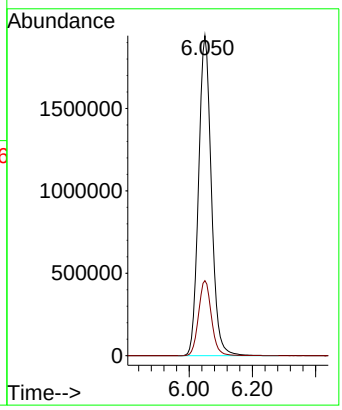


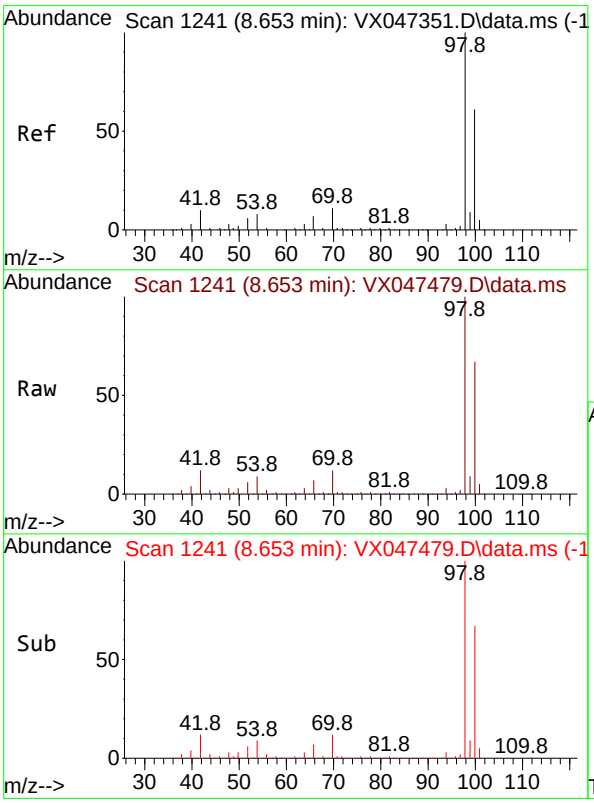
#40
Benzene
Concen: 347.120 ug/l
RT: 6.050 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion: 78 Resp: 5459575

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4

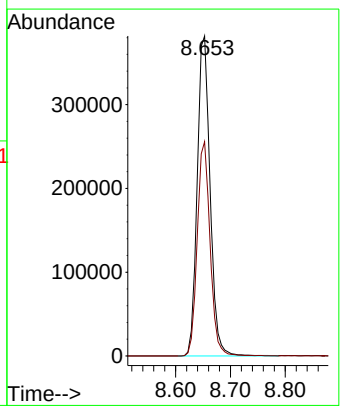


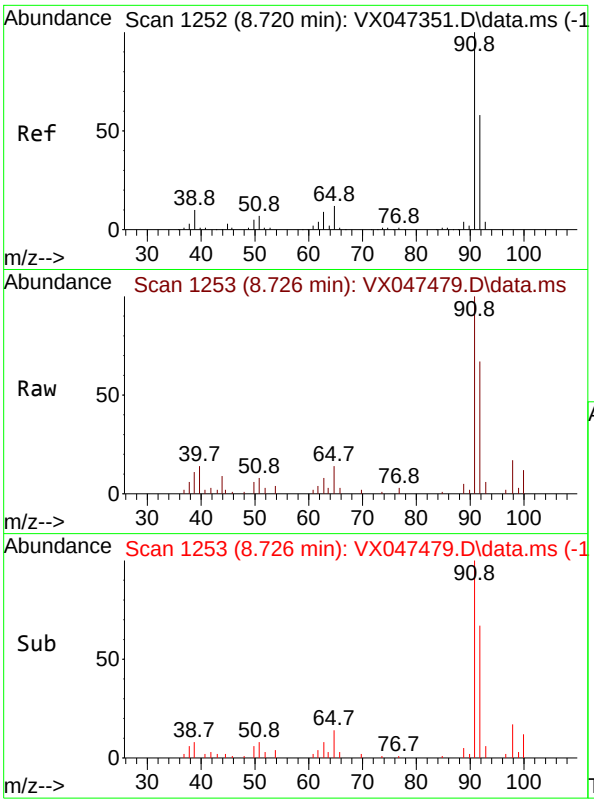


#50
Toluene-d8
Concen: 52.583 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 98 Resp: 625619

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.9	80.9



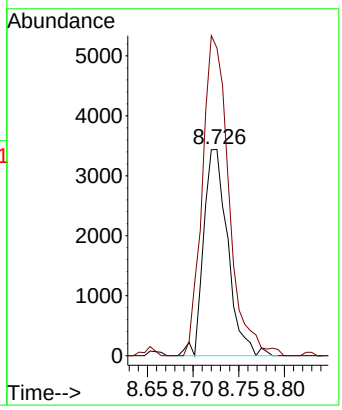


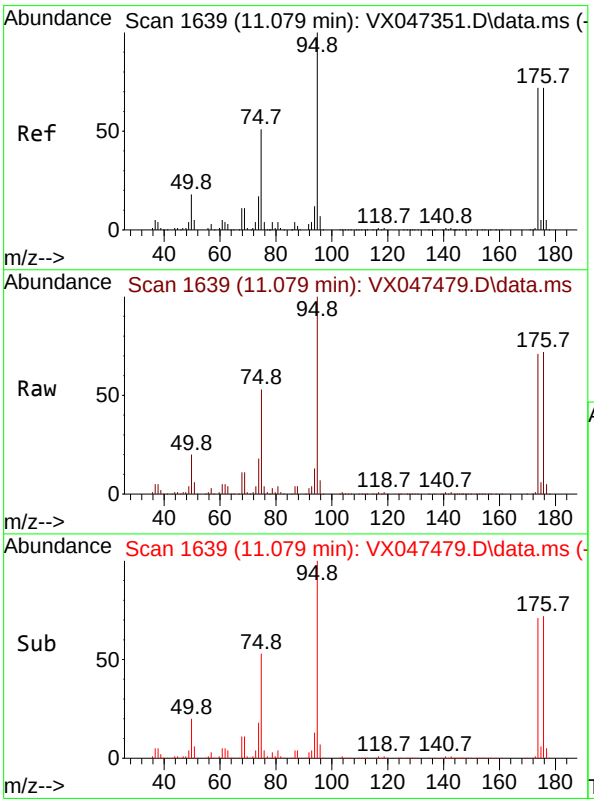
#52
Toluene
Concen: 0.651 ug/l
RT: 8.726 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion: 92 Resp: 6328

Ion	Ratio	Lower	Upper
92	100		
91	170.8	136.3	204.5

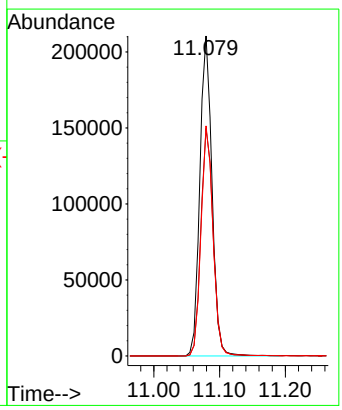


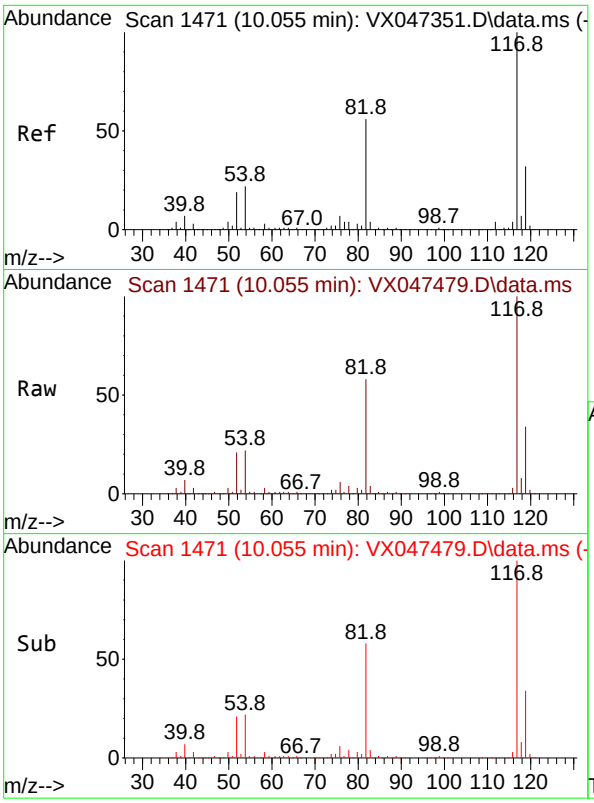


#62
4-Bromofluorobenzene
Concen: 61.522 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 95 Resp: 270114

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	148.0
176	71.1	0.0	145.4



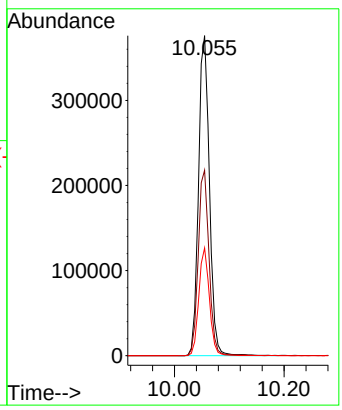


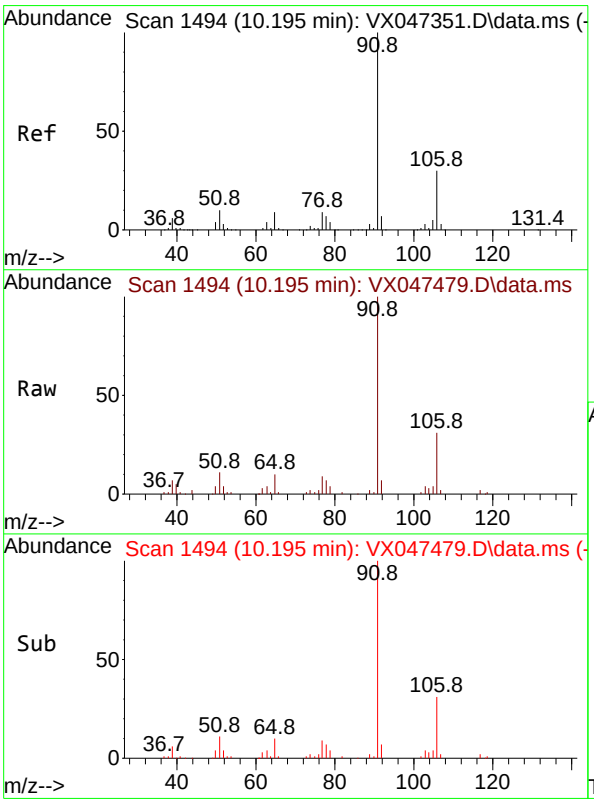
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion:117 Resp: 520562

Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.0	67.4
119	33.6	25.8	38.8

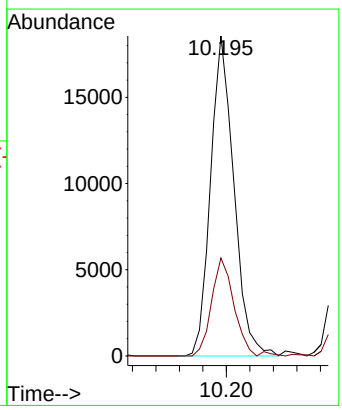


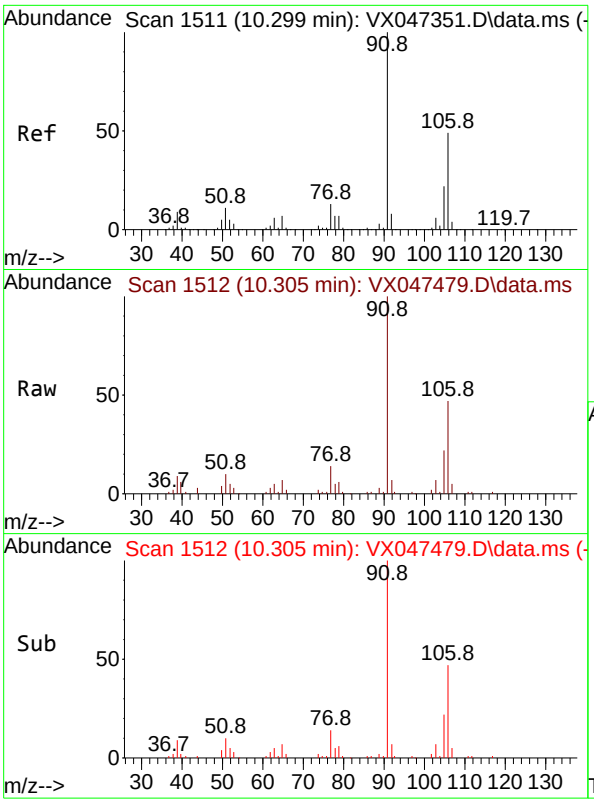


#67
Ethyl Benzene
Concen: 1.199 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion: 91 Resp: 25538

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.4	36.6



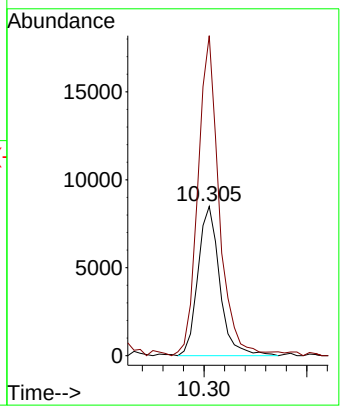


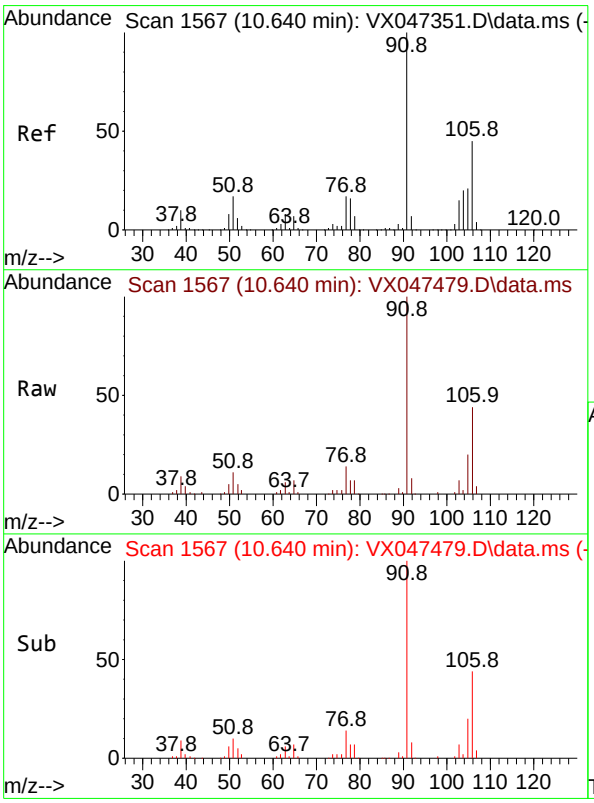
#68
m/p-Xylenes
Concen: 1.579 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion:106 Resp: 12537

Ion	Ratio	Lower	Upper
106	100		
91	210.2	164.7	247.1

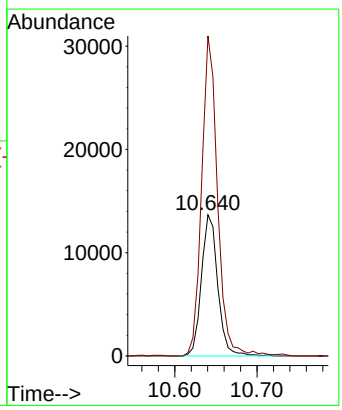


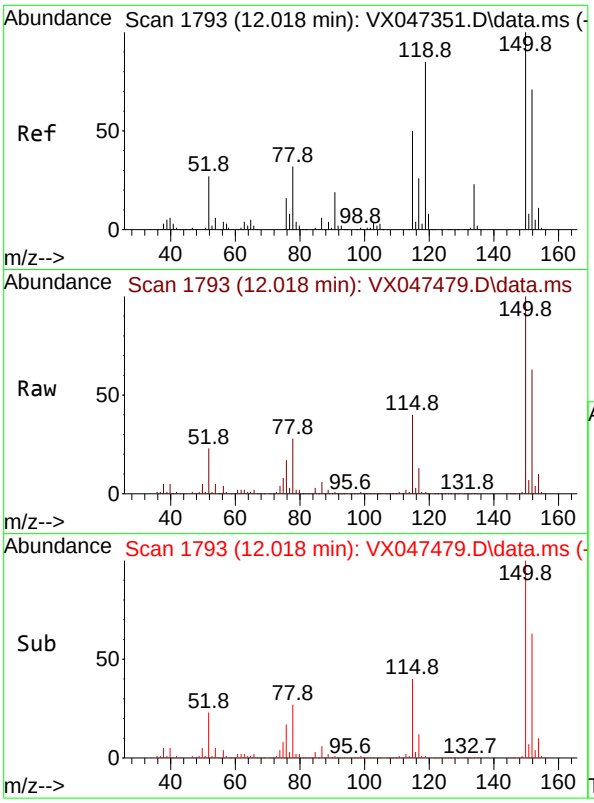


#69
o-Xylene
Concen: 2.472 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion:106 Resp: 18884

Ion	Ratio	Lower	Upper
106	100		
91	220.6	110.6	331.8



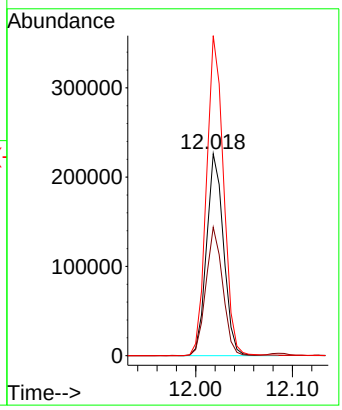


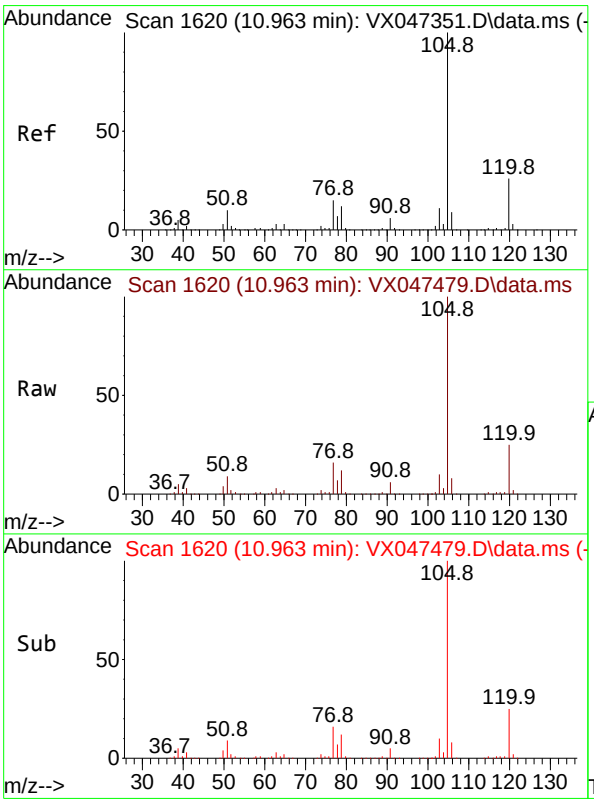
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion:152 Resp: 276935

Ion	Ratio	Lower	Upper
152	100		
115	63.1	44.6	133.8
150	158.7	0.0	349.8

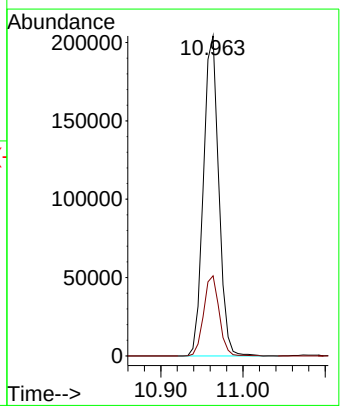


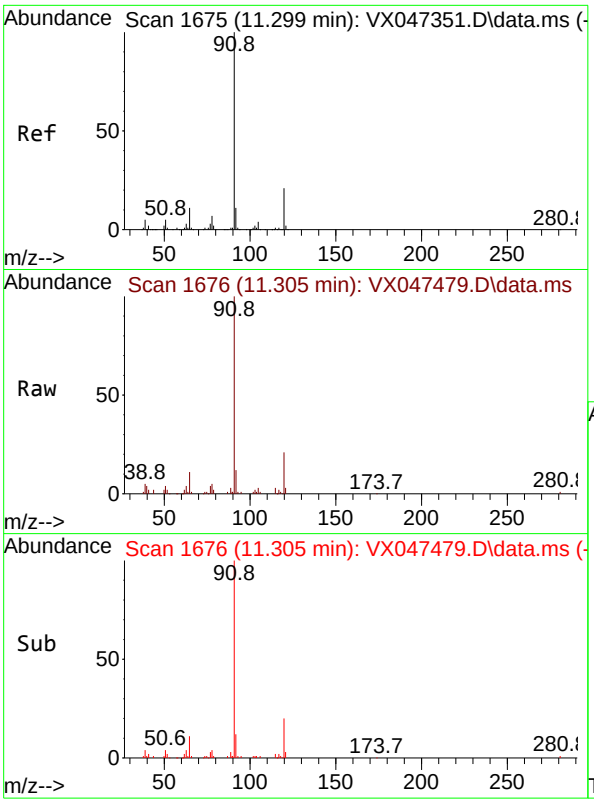


#73
Isopropylbenzene
Concen: 12.202 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion:105 Resp: 264426

Ion	Ratio	Lower	Upper
105	100		
120	25.3	12.9	38.6



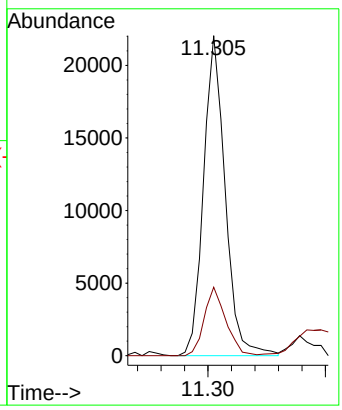


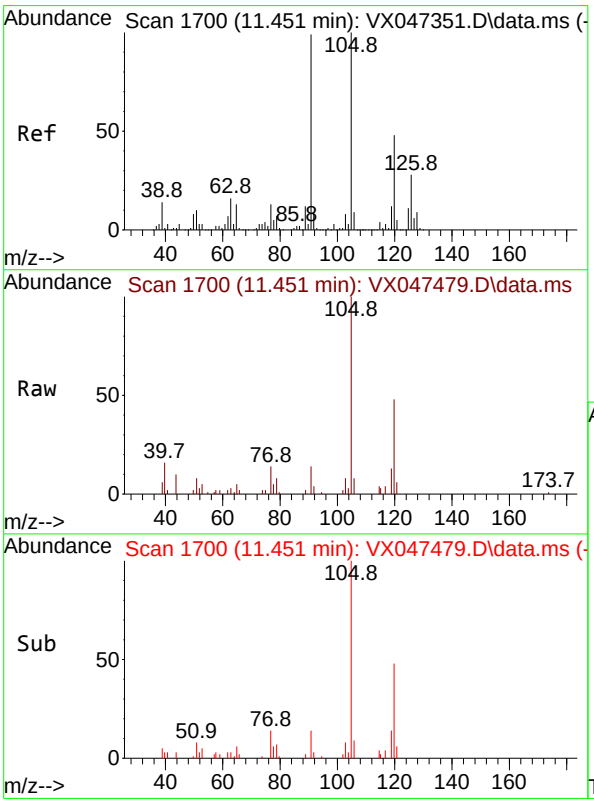
#78
n-propylbenzene
Concen: 1.090 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion: 91 Resp: 28208

Ion	Ratio	Lower	Upper
91	100		
120	21.3	11.0	33.0

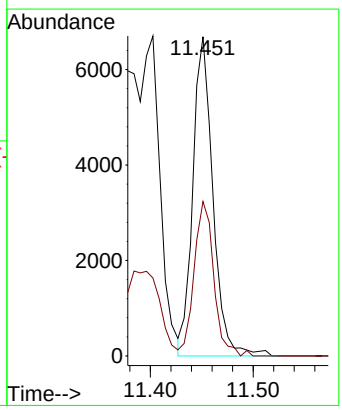


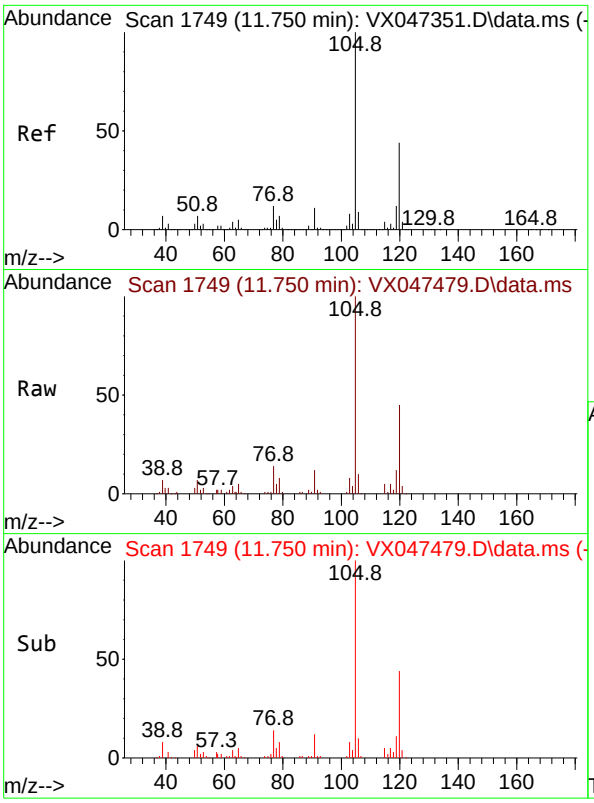


#80
1,3,5-Trimethylbenzene
Concen: 0.510 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Tgt Ion:105 Resp: 9099

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.9	71.7



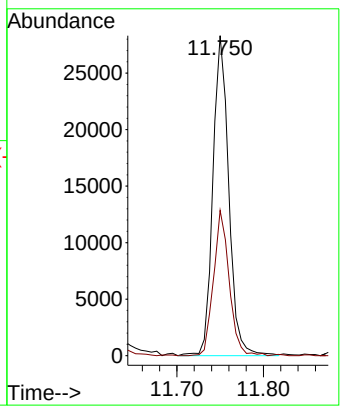


#84
1,2,4-Trimethylbenzene
Concen: 2.024 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047479.D
Acq: 21 Aug 2025 18:21

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Tgt Ion:105 Resp: 36087

Ion	Ratio	Lower	Upper
105	100		
120	44.8	21.9	65.7



Sample Results: **VX047479.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047479.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.270	24	30	44	rBV	117045	342667	1.93%	0.724%
2	1.374	44	47	56	rVB	126810	181347	1.02%	0.383%
3	5.397	694	707	718	rBV	190128	606749	3.42%	1.281%
4	5.562	725	734	760	rVB	263891	827861	4.67%	1.748%
5	5.964	790	800	805	rBV	218727	572712	3.23%	1.209%
6	6.050	805	814	834	rVB	4273856	11968410	67.48%	25.273%
7	6.769	922	932	957	rBV	482059	1237526	6.98%	2.613%
8	8.653	1234	1241	1249	rBV	1017631	1677768	9.46%	3.543%
9	10.055	1465	1471	1487	rBV	1173145	1643925	9.27%	3.471%
10	10.963	1614	1620	1630	rBV	490807	658917	3.72%	1.391%
11	11.079	1633	1639	1650	rBV	1009496	1287231	7.26%	2.718%
12	11.610	1720	1726	1737	rBV	375364	470464	2.65%	0.993%
13	12.018	1787	1793	1799	rBV	1430625	1763932	9.95%	3.725%
14	12.085	1799	1804	1809	rVB	190955	235053	1.33%	0.496%
15	12.244	1824	1830	1835	rBV	13631326	17735687	100.00%	37.452%
16	12.695	1899	1904	1912	rBV	371413	448120	2.53%	0.946%
17	13.292	1994	2002	2006	rBV2	245353	345287	1.95%	0.729%
18	13.420	2018	2023	2033	rVB	280607	368285	2.08%	0.778%
19	13.774	2075	2081	2093	rBV	3794833	4738139	26.72%	10.005%
20	14.780	2240	2246	2257	rBV	182964	246127	1.39%	0.520%

Sum of corrected areas: 47356207

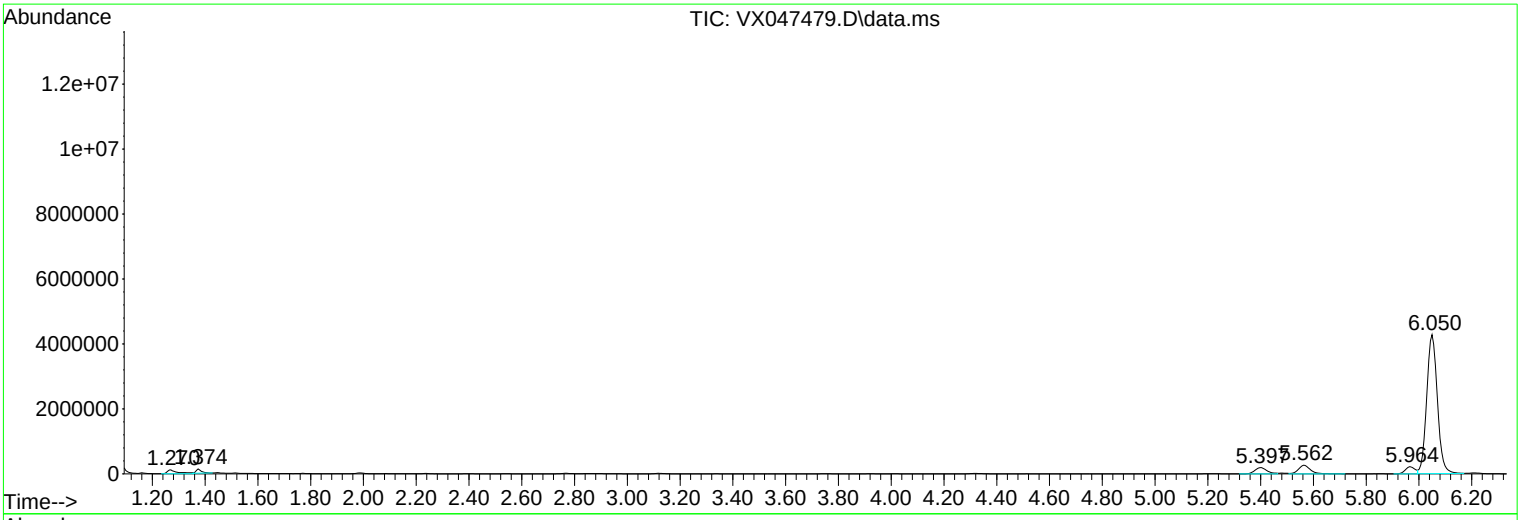
Sample Results: **VX047479.D**

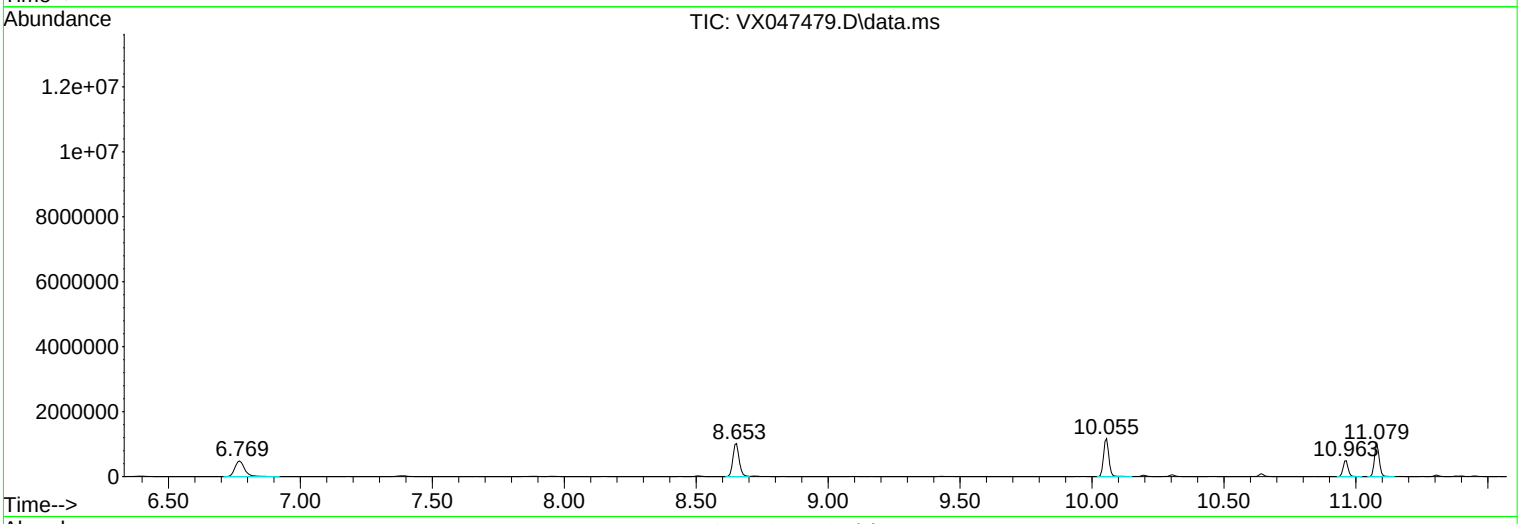
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

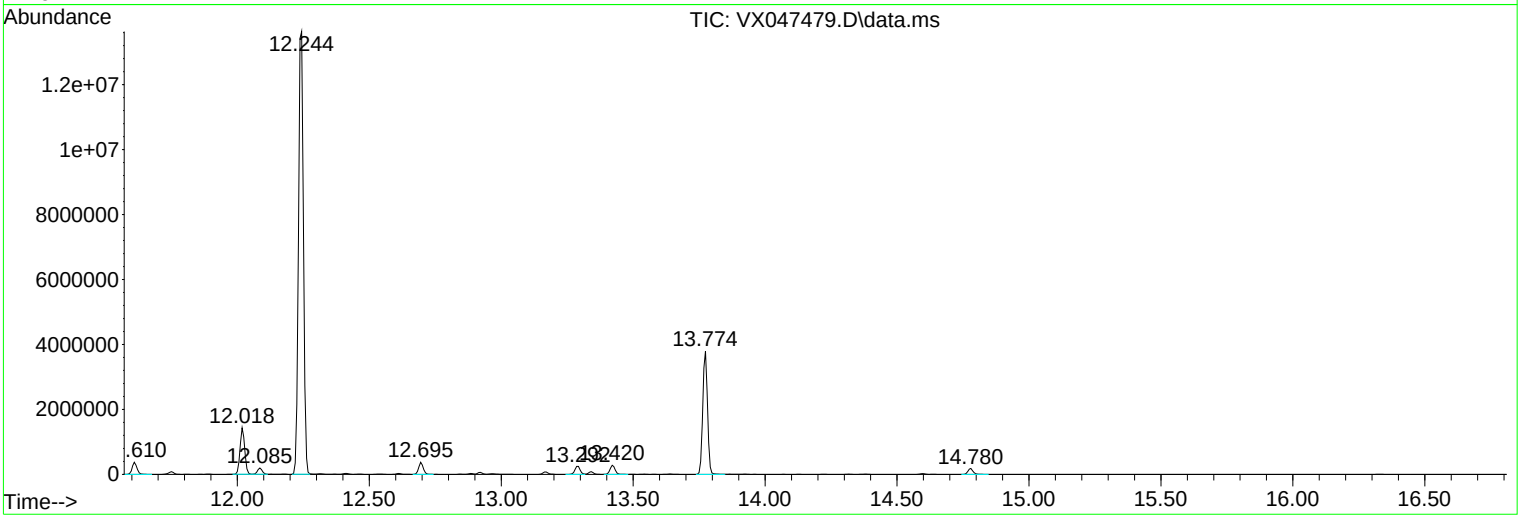
Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

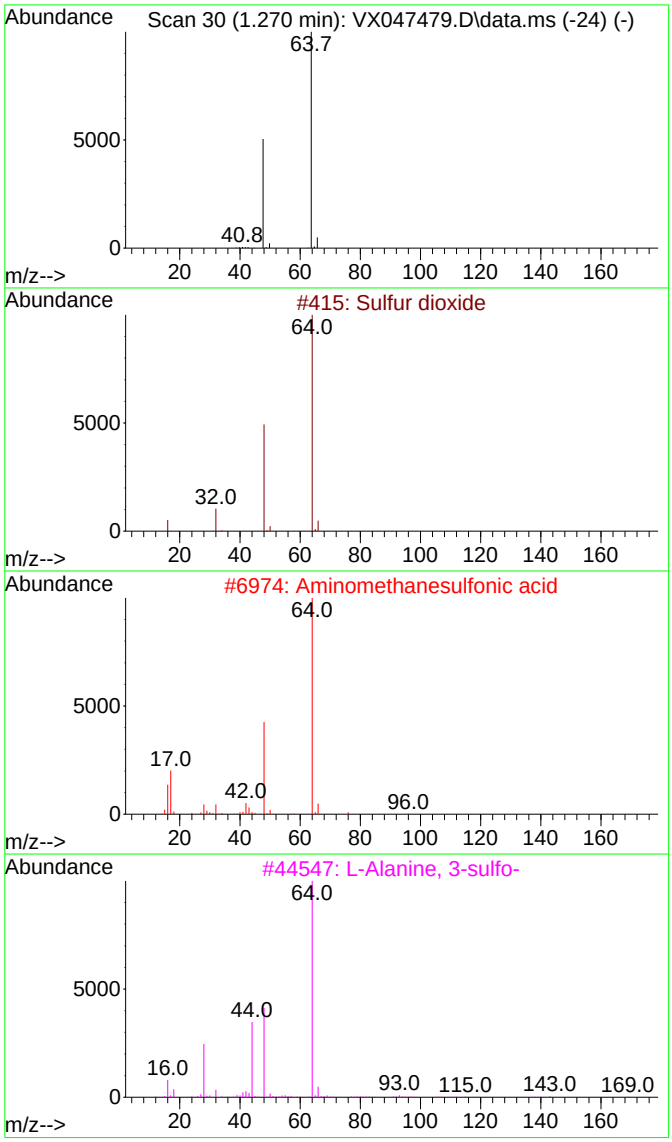
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

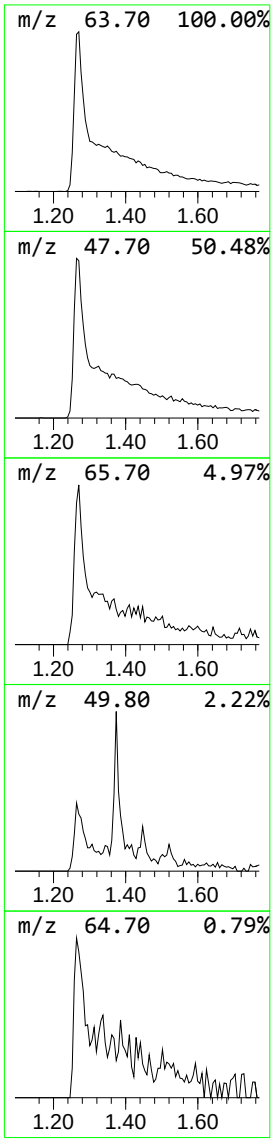
****

Peak Number 1 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.270	20.70 ug/l	342667	Pentafluorobenzene	5.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

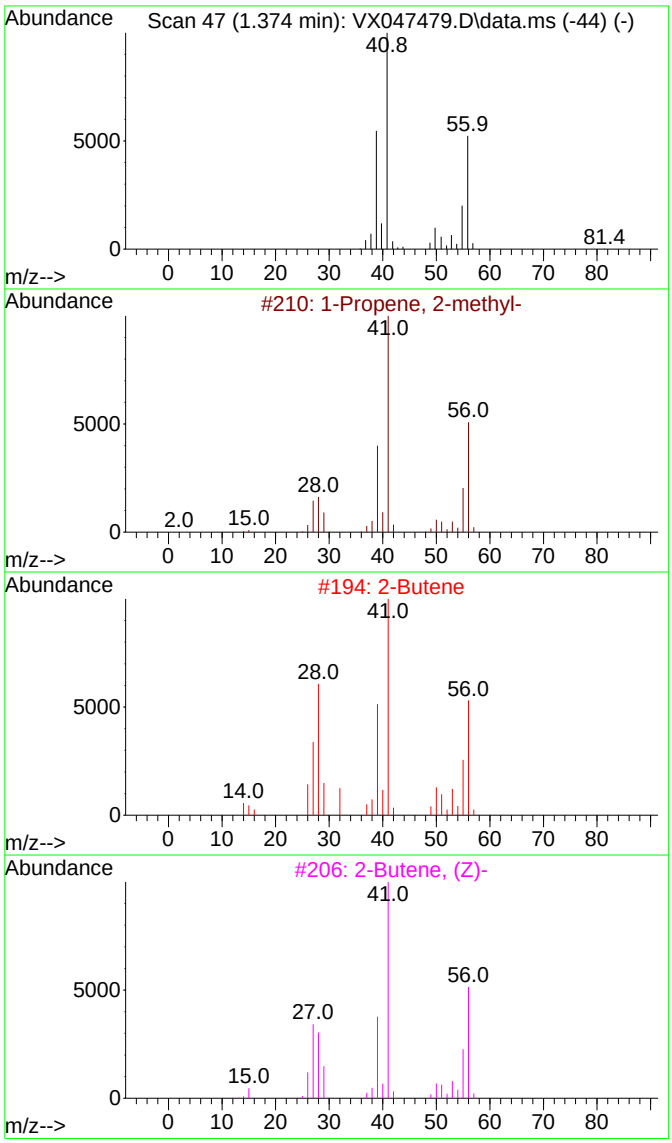
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

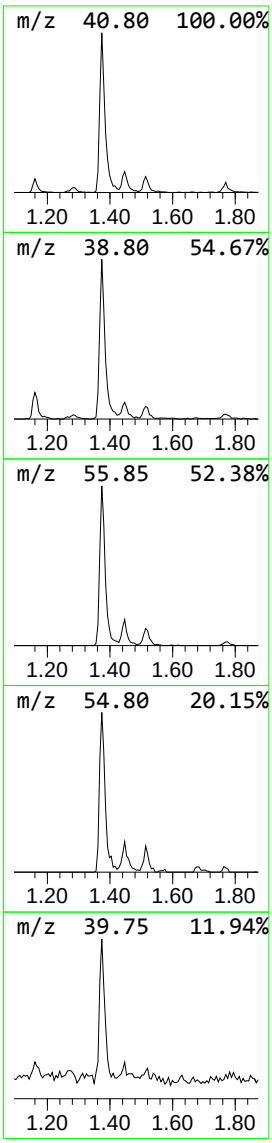
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 1-Propene, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.374	10.95 ug/l	181347	Pentafluorobenzene	5.568

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propene, 2-methyl-	56	C4H8	000115-11-7	90
2	2-Butene	56	C4H8	000107-01-7	64
3	2-Butene, (Z)-	56	C4H8	000590-18-1	64
4	Cyclobutane	56	C4H8	000287-23-0	49
5	1-Butene	56	C4H8	000106-98-9	49





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

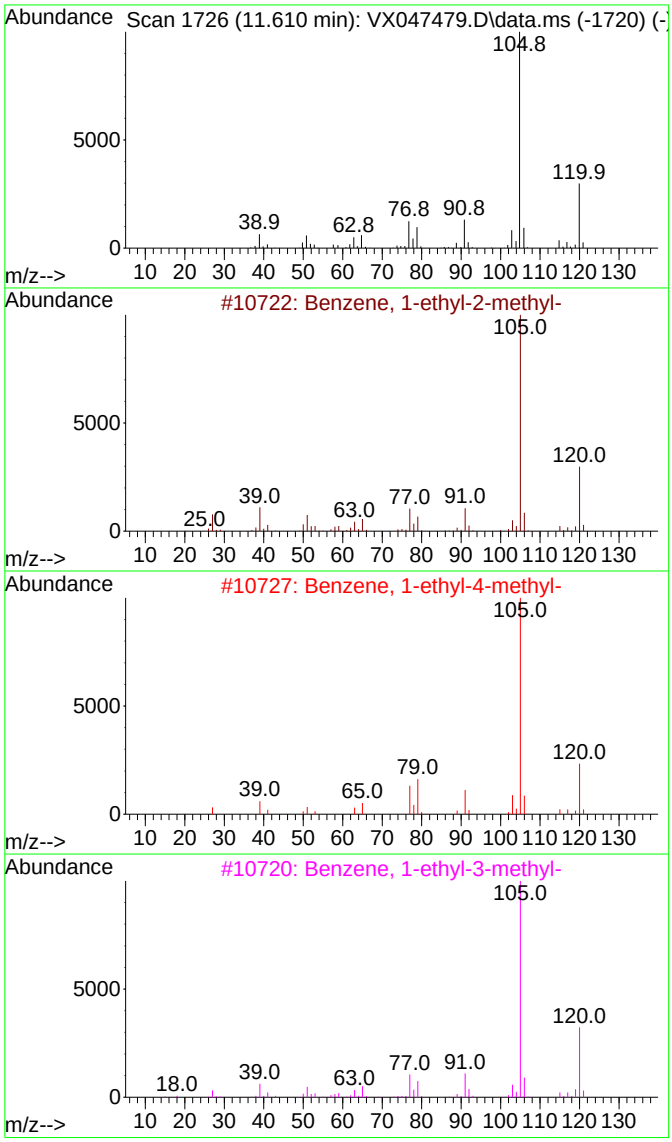
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

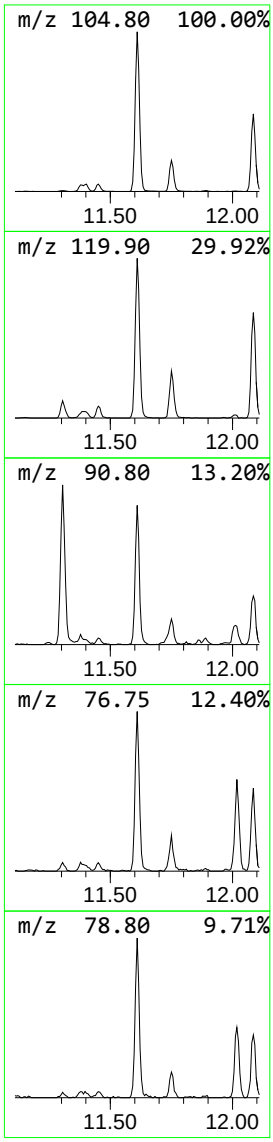
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.610	13.34 ug/l	470464	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Mesitylene	120	C9H12	000108-67-8	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





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Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

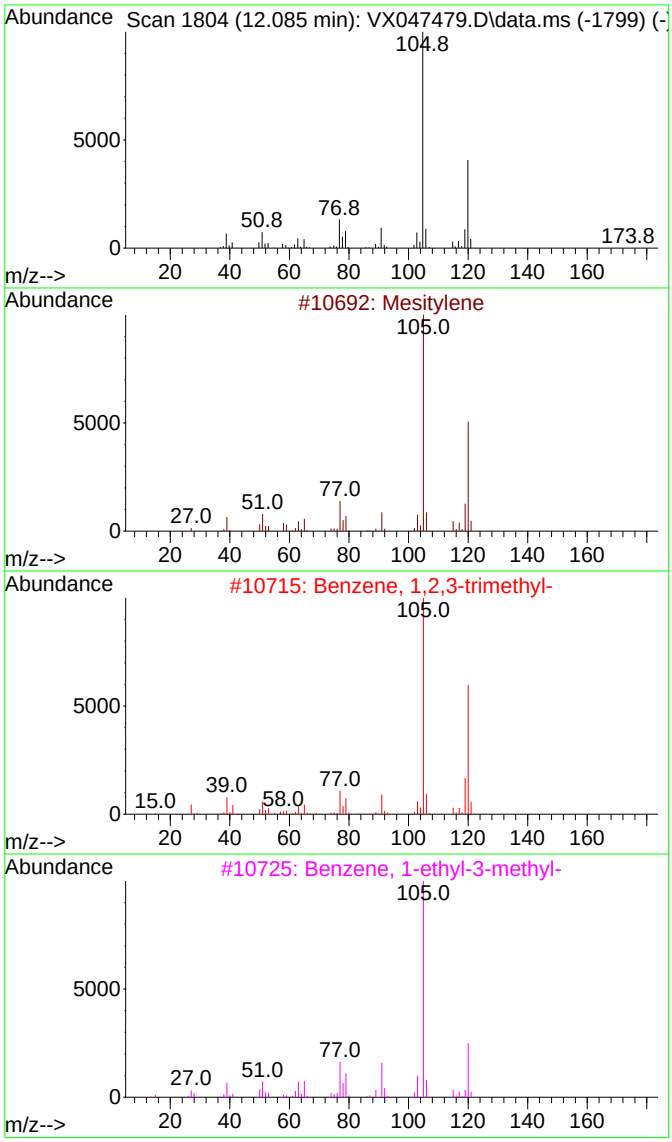
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

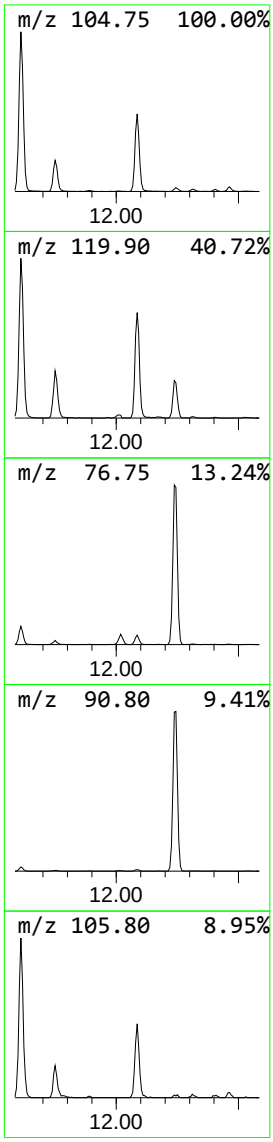
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.085	6.66 ug/l	235053	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
4	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	91
5	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

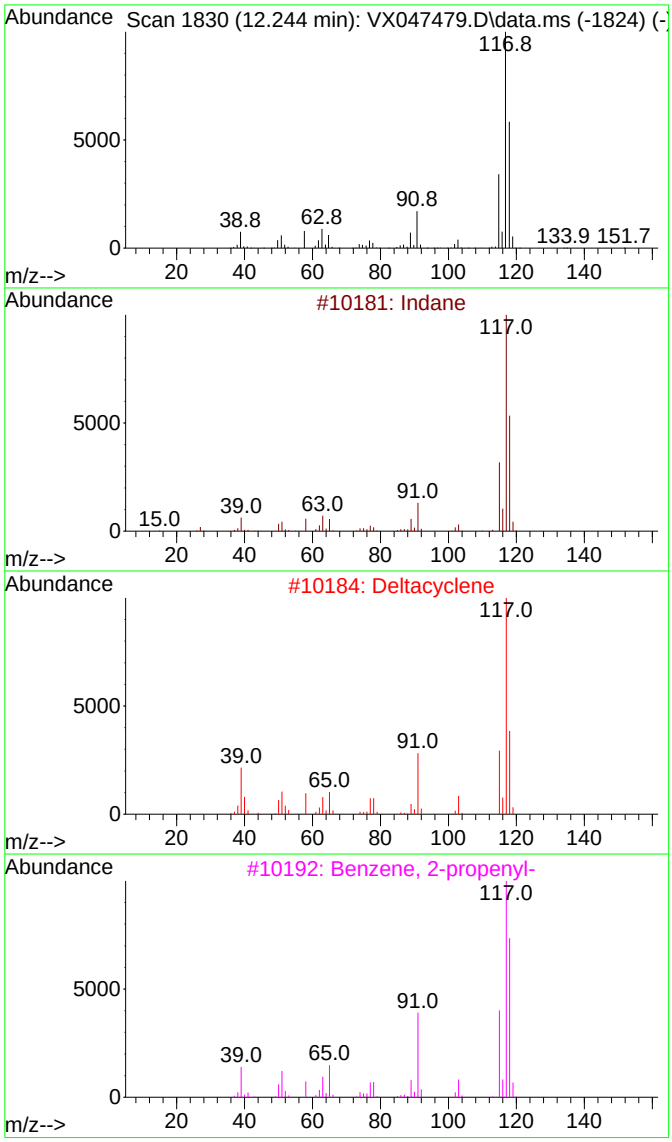
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

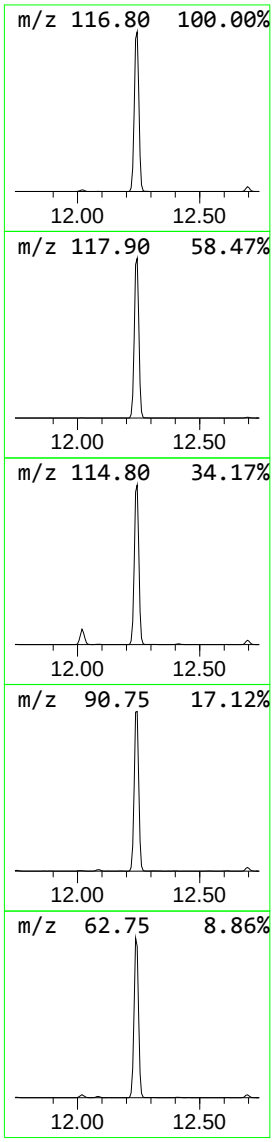
****

Peak Number 5 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.244	502.73 ug/l	17735700	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	87
2	Deltacyclene	118	C9H10	007785-10-6	74
3	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
4	Benzene, 1-propenyl-	118	C9H10	000637-50-3	74
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

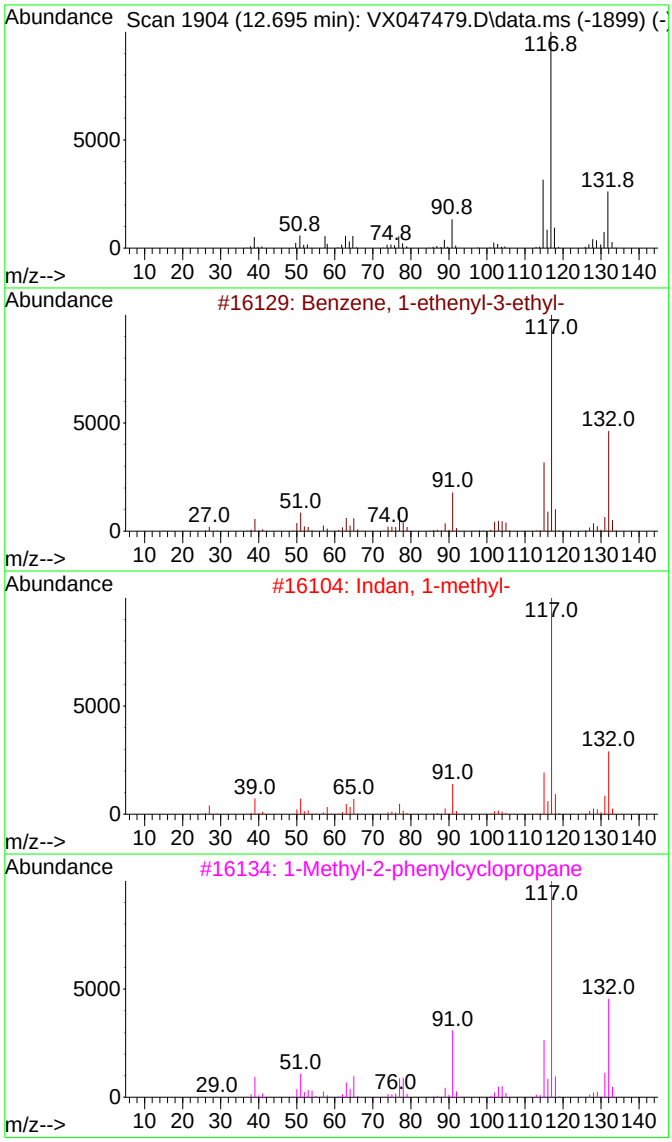
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

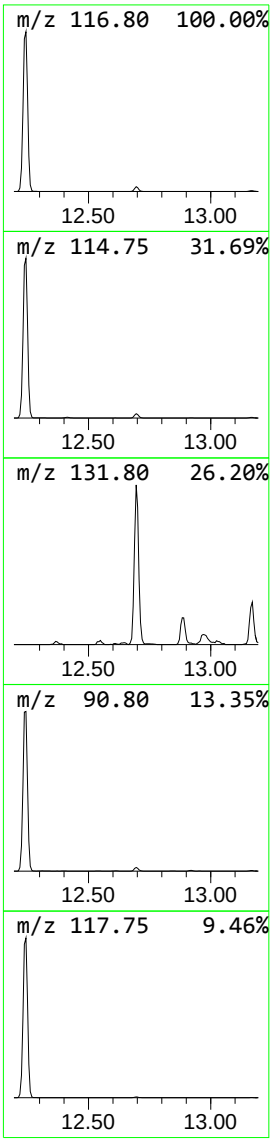
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.695	12.70 ug/l	448120	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2	Indan, 1-methyl-	132	C10H12	000767-58-8	90
3	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	87
4	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

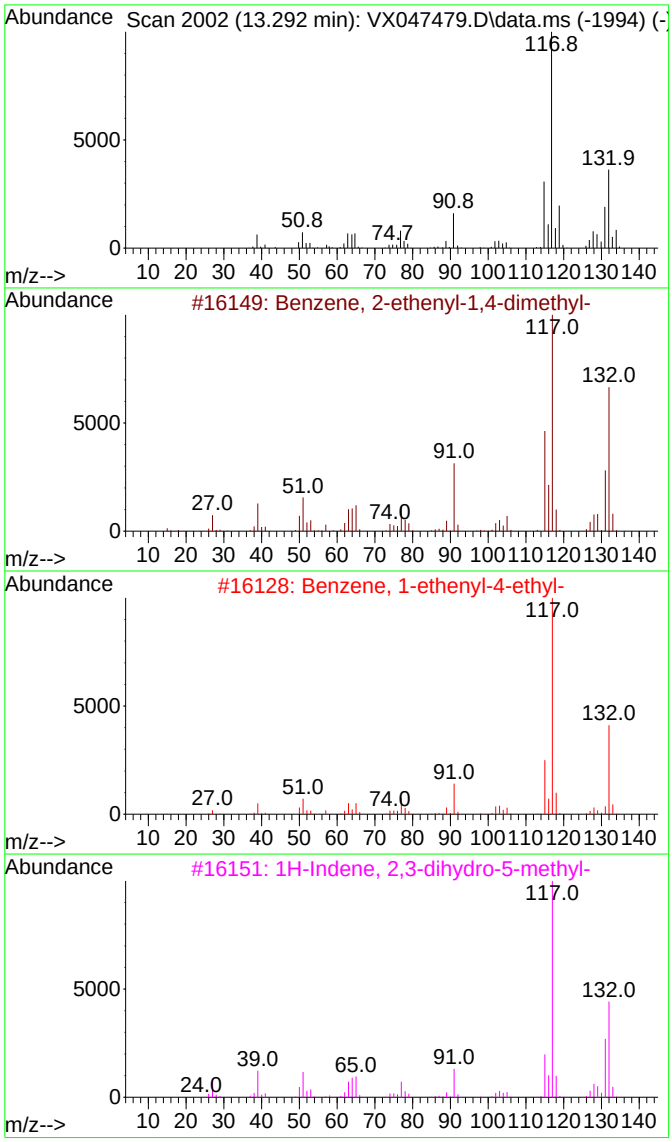
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

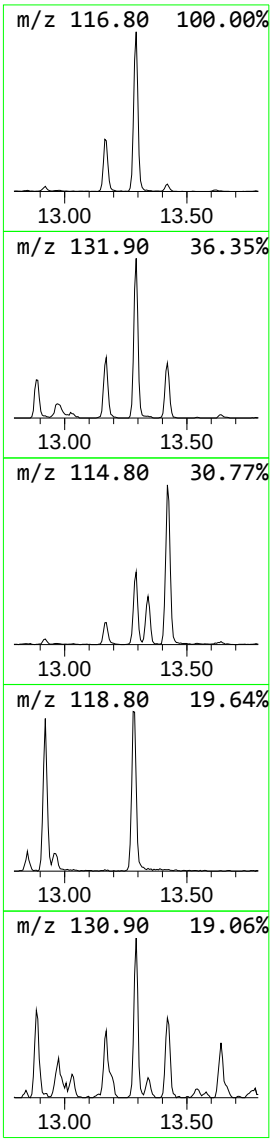
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.292	9.79 ug/l	345287	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	90
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	83





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

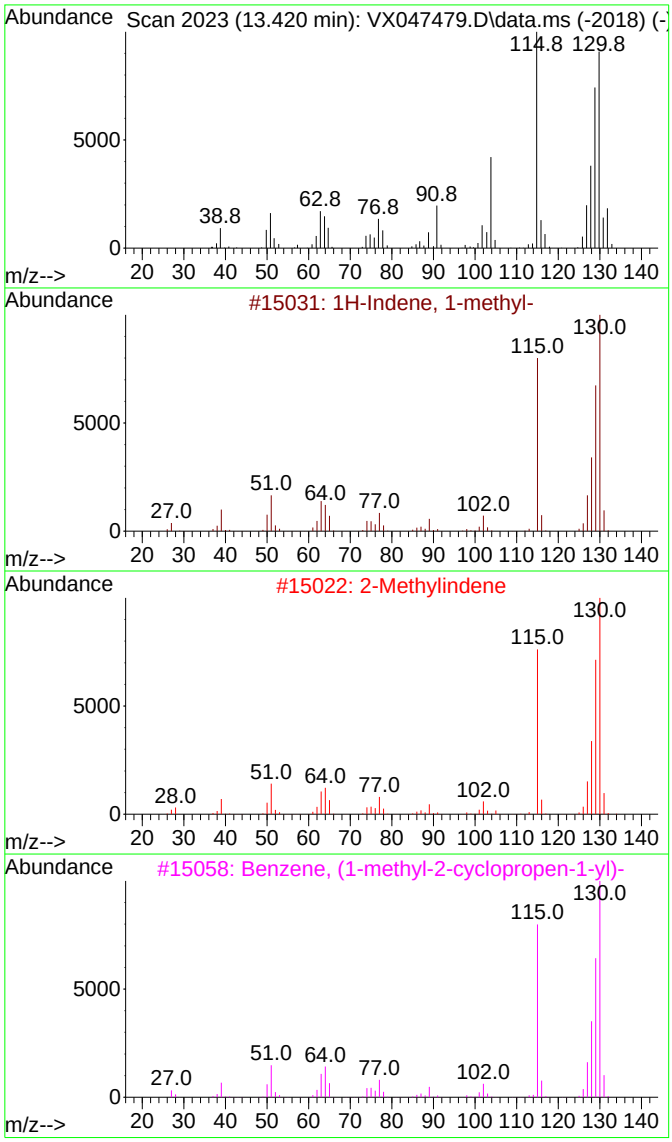
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

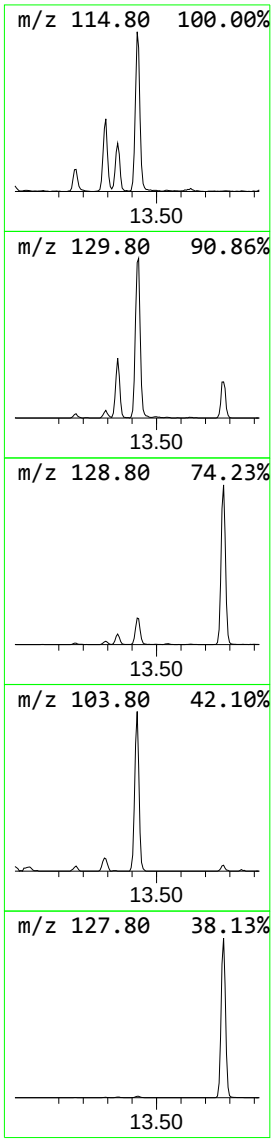
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 1H-Indene, 1-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.420	10.44 ug/l	368285	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 1-methyl-	130	C10H10	000767-59-9	96
2	2-Methylindene	130	C10H10	002177-47-1	95
3	Benzene, (1-methyl-2-cyclopropen...	130	C10H10	065051-83-4	94
4	1H-Indene, 3-methyl-	130	C10H10	000767-60-2	93
5	Benzene,1-methyl-1,2-propadienyl-	130	C10H10	022433-39-2	93





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

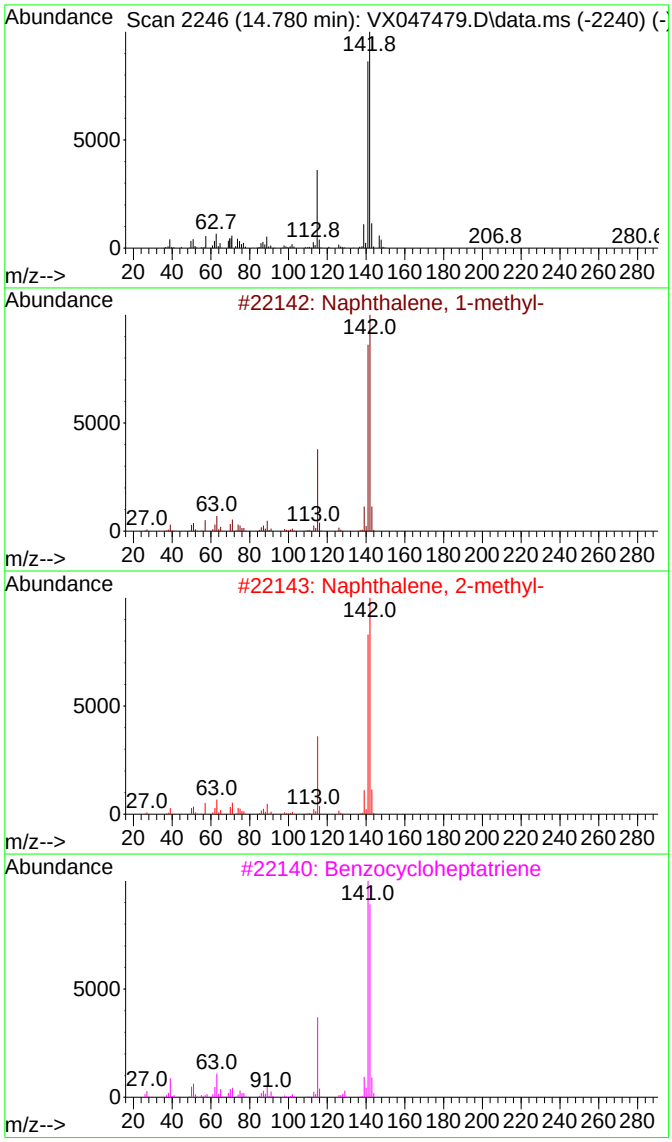
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

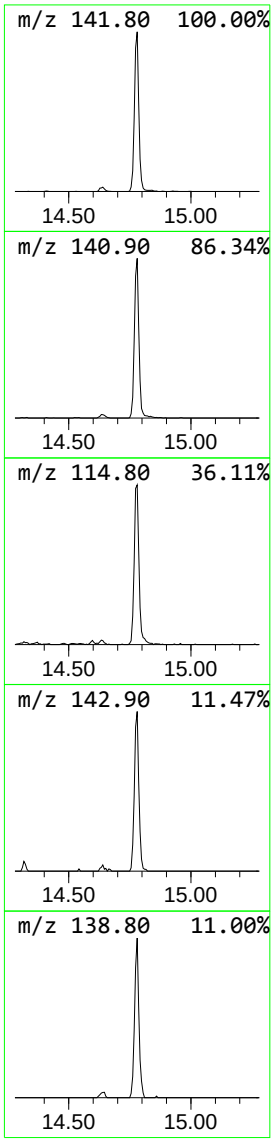
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Naphthalene, 1-methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.780	6.98 ug/l	246127	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2	Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3	Benzocycloheptatriene	142	C11H10	000264-09-5	91
4	1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	87
5	1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047479.D
Acq On : 21 Aug 2025 18:21
Operator : JC/MD
Sample : Q2903-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.270	20.7	ug/l	342667	1	5.568	827861	50.0
1-Propene, 2-me...	1.374	10.9	ug/l	181347	1	5.568	827861	50.0
Benzene, 1-ethy...	11.610	13.3	ug/l	470464	4	12.018	1763930	50.0
Benzene, 1,2,3-...	12.085	6.7	ug/l	235053	4	12.018	1763930	50.0
Indane	12.244	502.7	ug/l	17735700	4	12.018	1763930	50.0
Benzene, 1-ethe...	12.695	12.7	ug/l	448120	4	12.018	1763930	50.0
Benzene, 2-ethe...	13.292	9.8	ug/l	345287	4	12.018	1763930	50.0
1H-Indene, 1-me...	13.420	10.4	ug/l	368285	4	12.018	1763930	50.0
Naphthalene, 1-...	14.780	7.0	ug/l	246127	4	12.018	1763930	50.0

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-12B-081925DL	SDG No.:	Q2903
Lab Sample ID:	Q2903-07DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047489.D	10	08/22/25 12:12	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	50.0	UD	2.20	50.0	ug/L
74-87-3	Chloromethane	50.0	UD	3.20	50.0	ug/L
75-01-4	Vinyl Chloride	50.0	UD	2.60	50.0	ug/L
74-83-9	Bromomethane	50.0	UD	14.4	50.0	ug/L
75-00-3	Chloroethane	50.0	UD	4.70	50.0	ug/L
75-69-4	Trichlorofluoromethane	50.0	UD	3.30	50.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	50.0	UD	2.50	50.0	ug/L
75-35-4	1,1-Dichloroethene	50.0	UD	2.30	50.0	ug/L
67-64-1	Acetone	250	UD	15.1	250	ug/L
75-15-0	Carbon Disulfide	50.0	UD	2.10	50.0	ug/L
1634-04-4	Methyl tert-butyl Ether	50.0	UD	1.60	50.0	ug/L
79-20-9	Methyl Acetate	50.0	UD	2.70	50.0	ug/L
75-09-2	Methylene Chloride	50.0	UD	2.80	50.0	ug/L
156-60-5	trans-1,2-Dichloroethene	50.0	UD	2.30	50.0	ug/L
75-34-3	1,1-Dichloroethane	50.0	UD	2.30	50.0	ug/L
110-82-7	Cyclohexane	50.0	UD	14.5	50.0	ug/L
78-93-3	2-Butanone	250	UD	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	50.0	UD	2.50	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	50.0	UD	1.90	50.0	ug/L
74-97-5	Bromochloromethane	50.0	UD	2.20	50.0	ug/L
67-66-3	Chloroform	50.0	UD	2.50	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	50.0	UD	2.00	50.0	ug/L
108-87-2	Methylcyclohexane	2.20	JD	1.60	50.0	ug/L
71-43-2	Benzene	400	D	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	50.0	UD	2.20	50.0	ug/L
79-01-6	Trichloroethene	50.0	UD	0.93	50.0	ug/L
78-87-5	1,2-Dichloropropane	50.0	UD	2.00	50.0	ug/L
75-27-4	Bromodichloromethane	50.0	UD	2.20	50.0	ug/L
108-10-1	4-Methyl-2-Pentanone	250	UD	6.80	250	ug/L
108-88-3	Toluene	50.0	UD	1.40	50.0	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-12B-081925DL	SDG No.:	Q2903
Lab Sample ID:	Q2903-07DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047489.D	10	08/22/25 12:12	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	50.0	UD	1.70	50.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	50.0	UD	1.60	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	50.0	UD	2.10	50.0	ug/L
591-78-6	2-Hexanone	250	UD	8.90	250	ug/L
124-48-1	Dibromochloromethane	50.0	UD	1.80	50.0	ug/L
106-93-4	1,2-Dibromoethane	50.0	UD	1.50	50.0	ug/L
127-18-4	Tetrachloroethene	50.0	UD	2.30	50.0	ug/L
108-90-7	Chlorobenzene	50.0	UD	1.20	50.0	ug/L
100-41-4	Ethyl Benzene	2.00	JD	1.30	50.0	ug/L
179601-23-1	m/p-Xylenes	2.50	JD	2.40	100	ug/L
95-47-6	o-Xylene	3.20	JD	1.20	50.0	ug/L
100-42-5	Styrene	50.0	UD	1.50	50.0	ug/L
75-25-2	Bromoform	50.0	UD	1.90	50.0	ug/L
98-82-8	Isopropylbenzene	14.3	JD	1.20	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	50.0	UD	2.60	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	50.0	UD	1.60	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	50.0	UD	1.90	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	50.0	UD	1.60	50.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	50.0	UD	5.30	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	50.0	UD	2.00	50.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	50.0	UD	2.00	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		74 - 125	107%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	47.3		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.6		77 - 121	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	199000	5.562			
540-36-3	1,4-Difluorobenzene	401000	6.769			
3114-55-4	Chlorobenzene-d5	390000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	193000	12.018			

Alliance TECHNICAL GROUP

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-12B-081925DL	SDG No.:	Q2903
Lab Sample ID:	Q2903-07DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047489.D	10	08/22/25 12:12	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX082225\
Data File : VX047489.D
Acq On : 22 Aug 2025 12:12
Operator : JC/MD
Sample : Q2903-07DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925DL

Quant Time: Aug 25 01:26:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

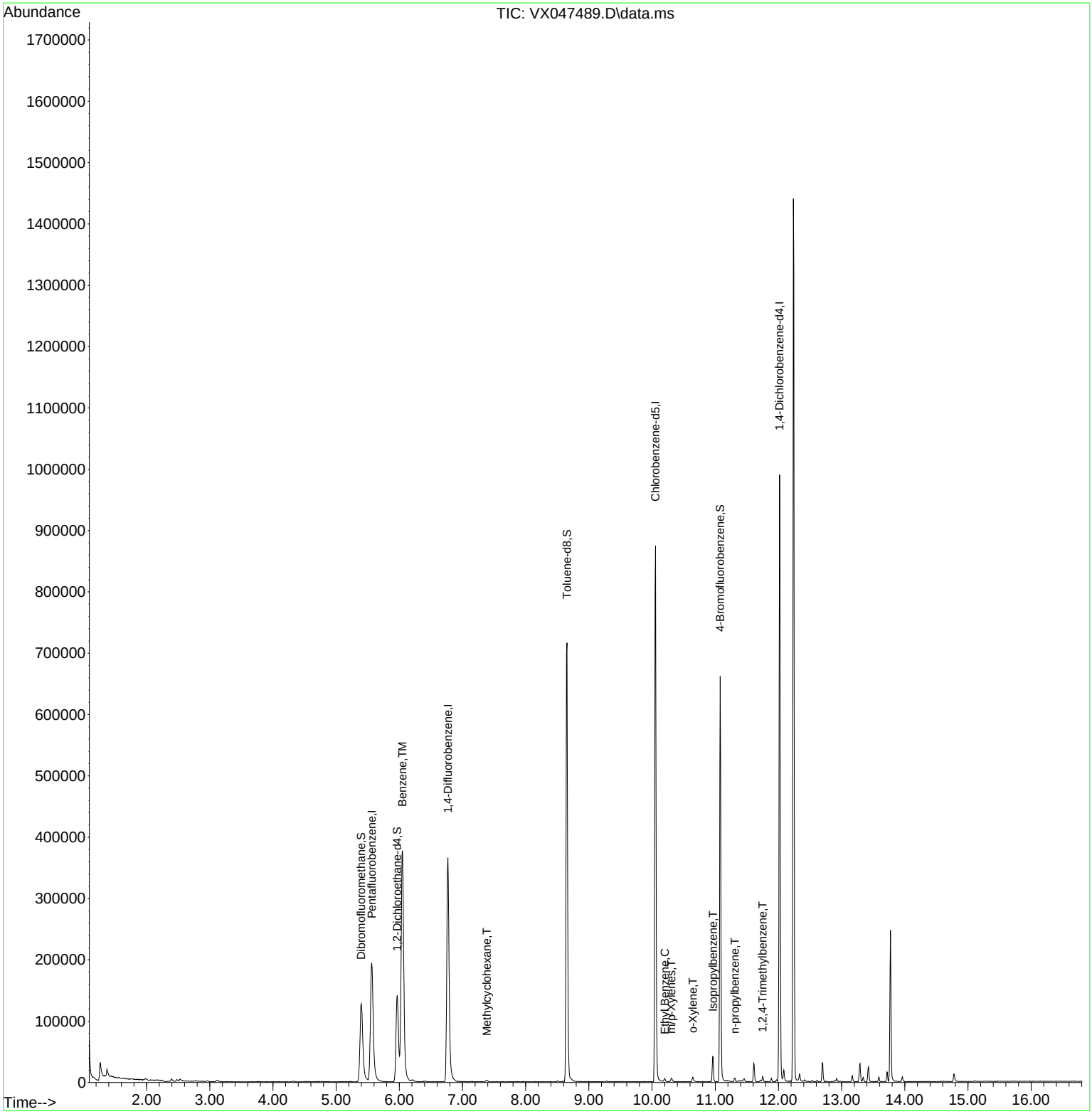
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	199358	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	400754	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	390061	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	192795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	149806	53.692	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.380%			
35) Dibromofluoromethane	5.397	113	124711	47.949	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.900%			
50) Toluene-d8	8.653	98	439967	47.326	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.660%			
62) 4-Bromofluorobenzene	11.079	95	180449	52.600	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.200%			
Target Compounds						Qvalue
39) Methylcyclohexane	7.385	83	1108	0.216	ug/l	89
40) Benzene	6.050	78	488406	39.742	ug/l	98
67) Ethyl Benzene	10.201	91	3253	0.204	ug/l	99
68) m/p-Xylenes	10.305	106	1491	0.251	ug/l #	70
69) o-Xylene	10.646	106	1834	0.320	ug/l	93
73) Isopropylbenzene	10.963	105	21502	1.425	ug/l	97
78) n-propylbenzene	11.311	91	4413	0.245	ug/l	96
84) 1,2,4-Trimethylbenzene	11.750	105	3832	0.309	ug/l	95

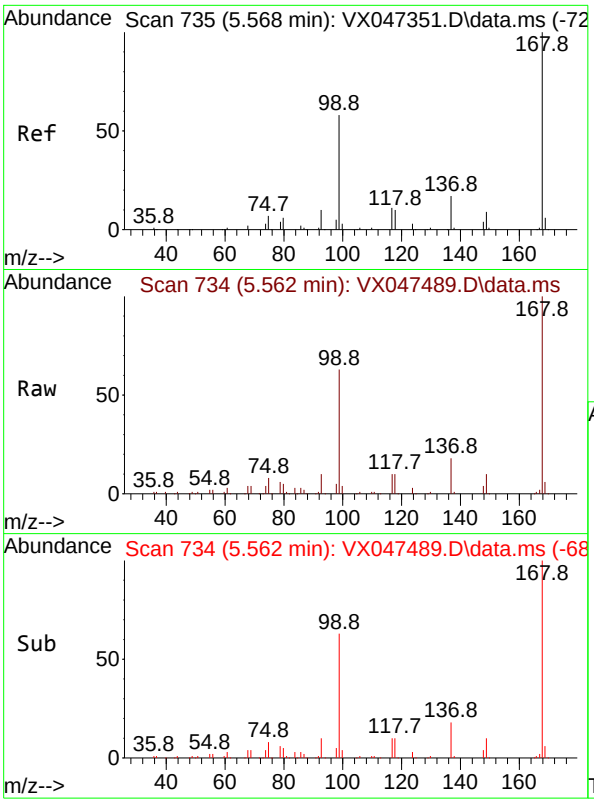
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047489.D
Acq On : 22 Aug 2025 12:12
Operator : JC/MD
Sample : Q2903-07DL 10X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925DL

Quant Time: Aug 25 01:26:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



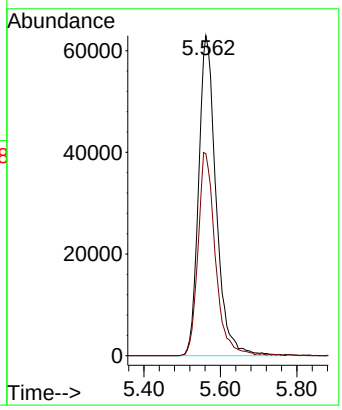


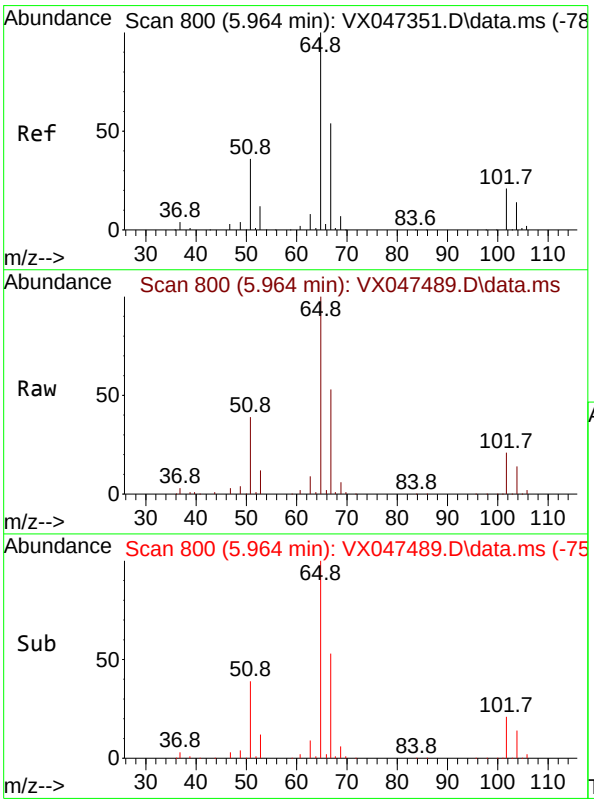
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925DL

Tgt Ion:168 Resp: 199358

Ion	Ratio	Lower	Upper
168	100		
99	63.1	47.9	71.9

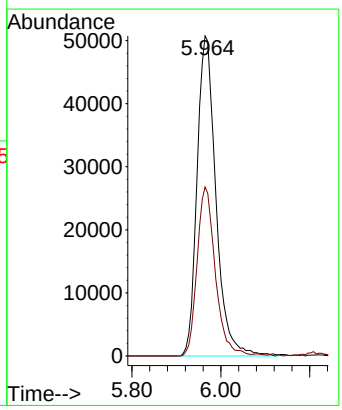


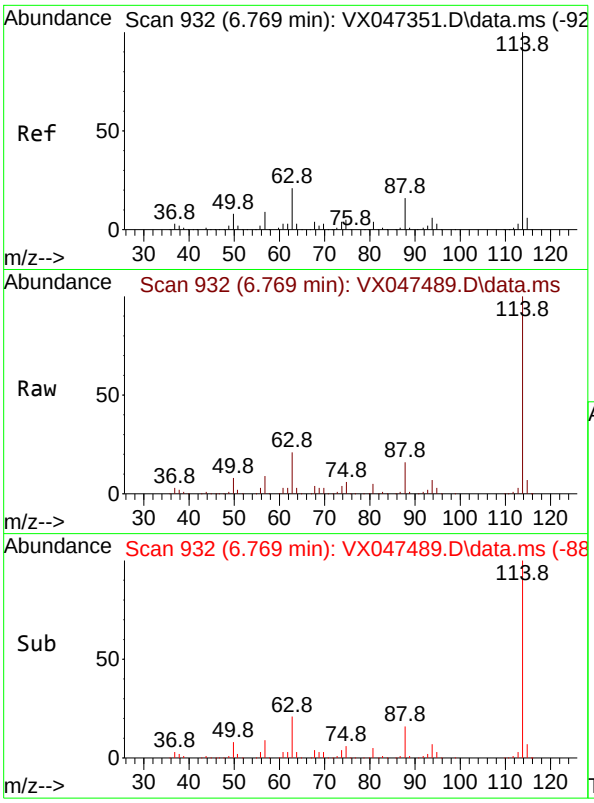


#33
1,2-Dichloroethane-d4
Concen: 53.692 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Tgt Ion: 65 Resp: 149806

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	106.0



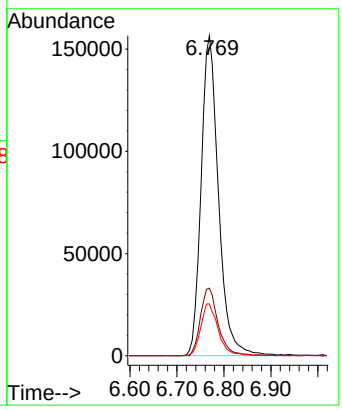


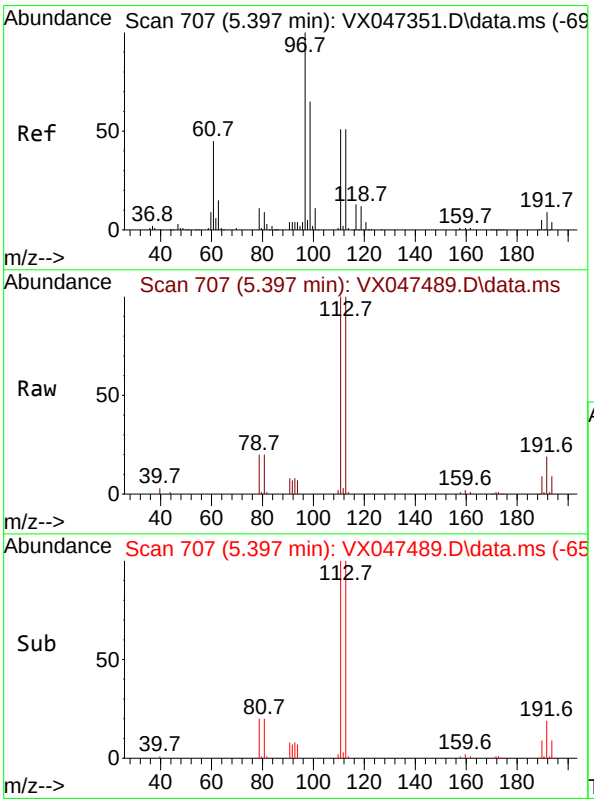
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925DL

Tgt Ion:114 Resp: 400754

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	42.4
88	16.2	0.0	33.0

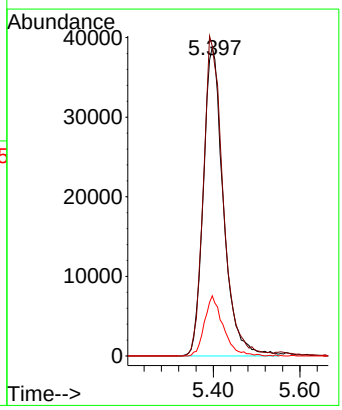


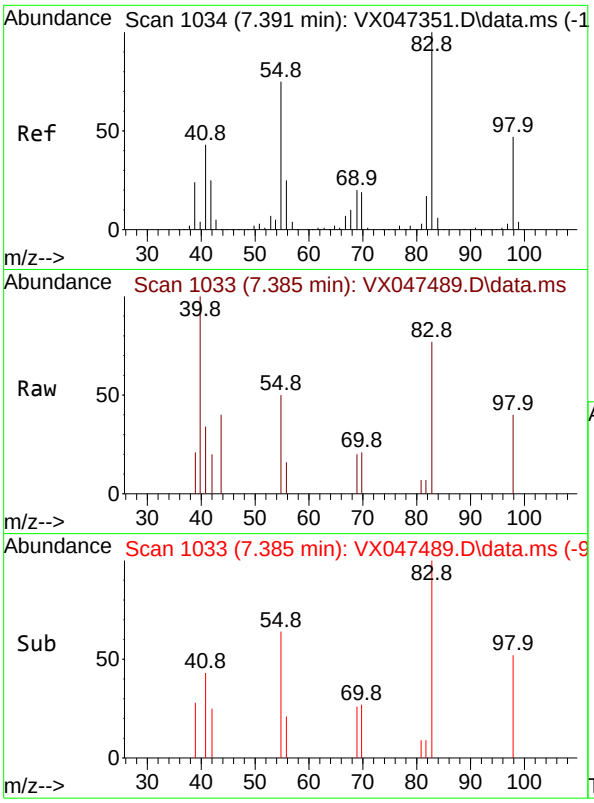


#35
Dibromofluoromethane
Concen: 47.949 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Tgt Ion:113 Resp: 124711

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	18.2	14.1	21.1



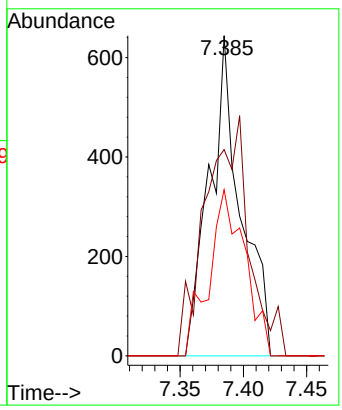


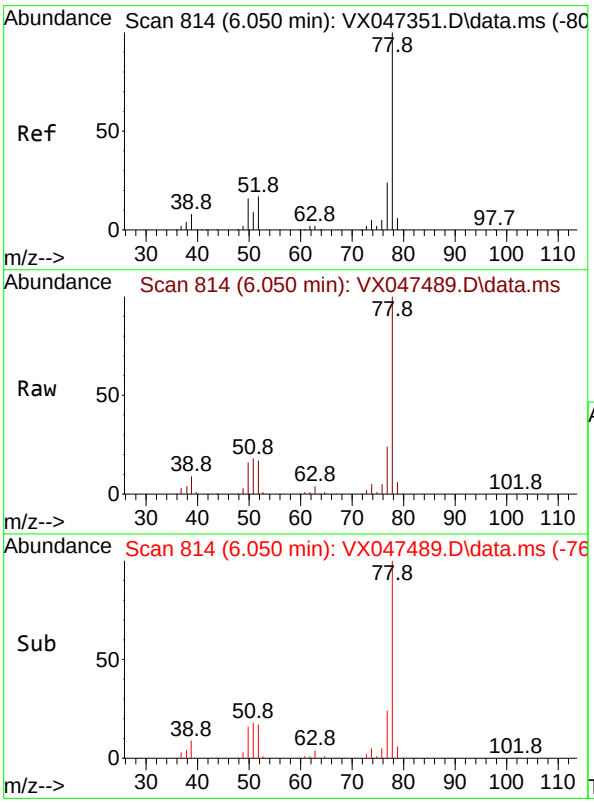
#39
Methylcyclohexane
Concen: 0.216 ug/l
RT: 7.385 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925DL

Tgt Ion: 83 Resp: 1108

Ion	Ratio	Lower	Upper
83	100		
55	64.4	60.0	90.0
98	51.9	37.2	55.8

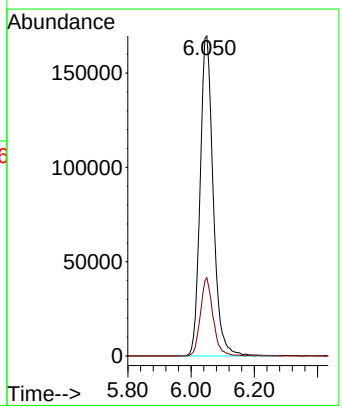


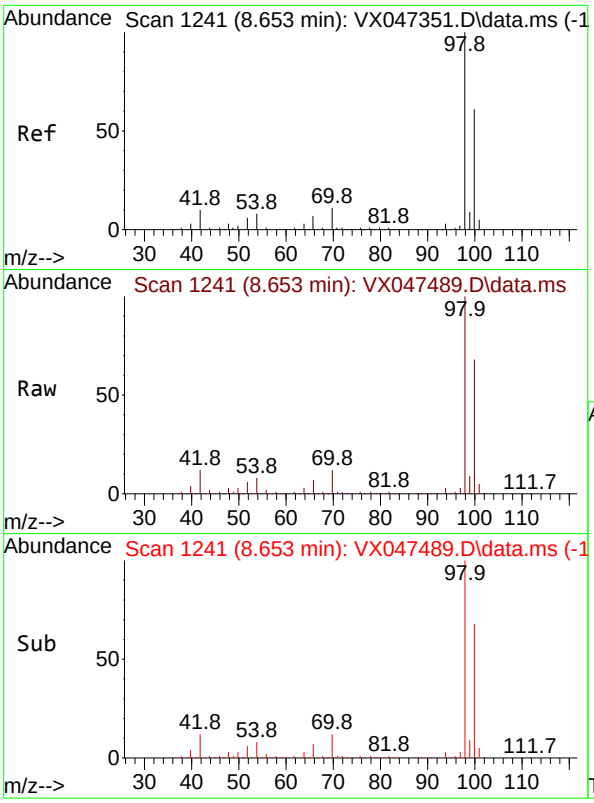


#40
Benzene
Concen: 39.742 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Tgt Ion: 78 Resp: 488406

Ion	Ratio	Lower	Upper
78	100		
77	24.5	19.0	28.4



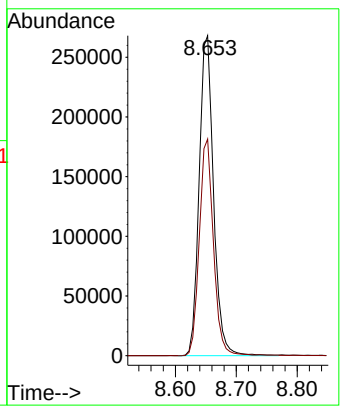


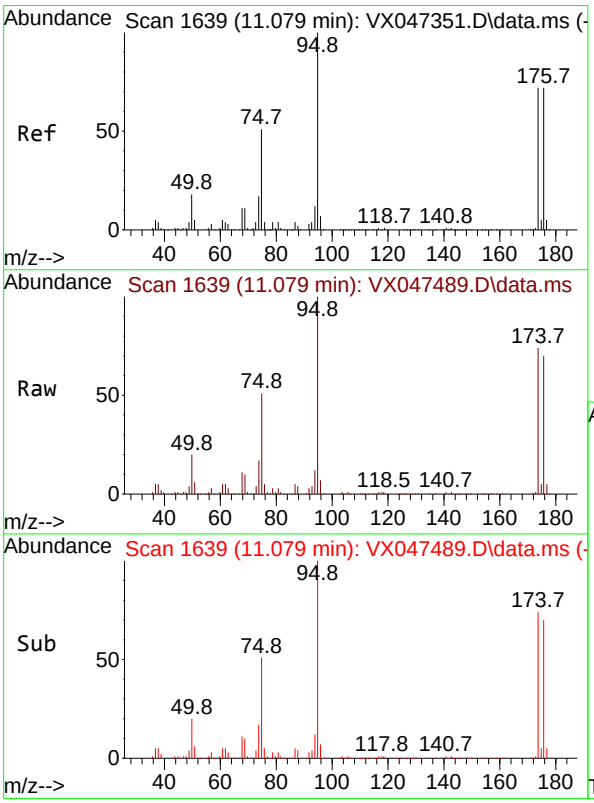
#50
Toluene-d8
Concen: 47.326 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925DL

Tgt Ion: 98 Resp: 439967

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.9	80.9

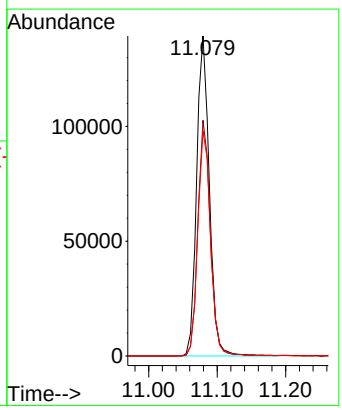


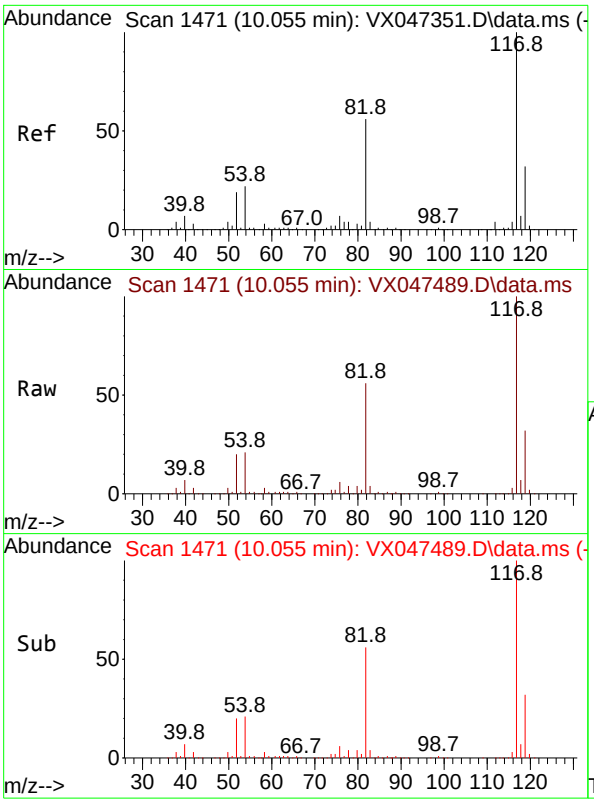


#62
4-Bromofluorobenzene
Concen: 52.600 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Tgt Ion: 95 Resp: 180449

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	148.0
176	70.6	0.0	145.4



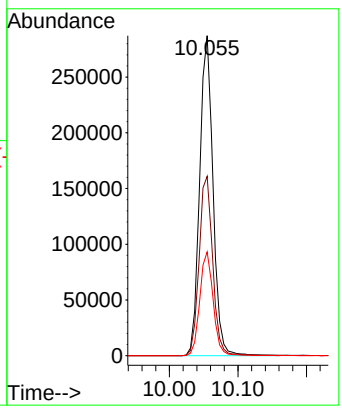


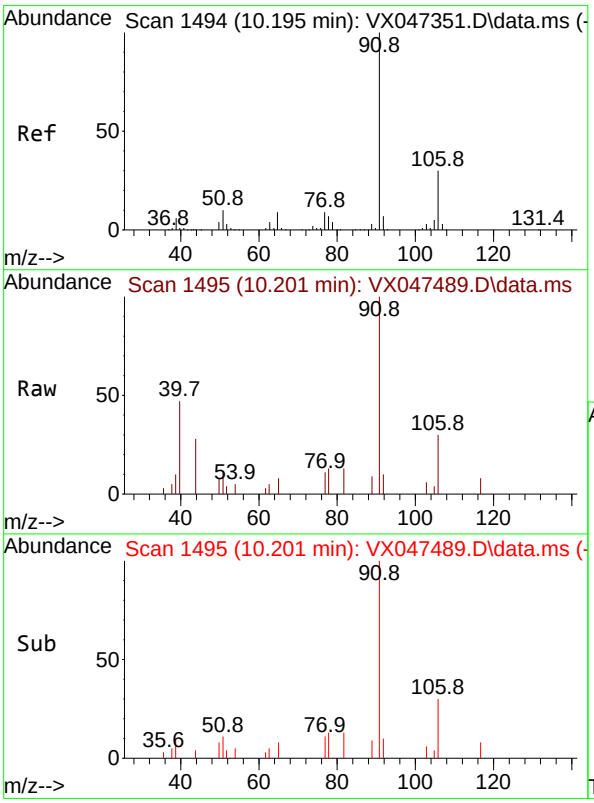
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925DL

Tgt Ion:117 Resp: 390061

Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.0	67.4
119	32.4	25.8	38.8

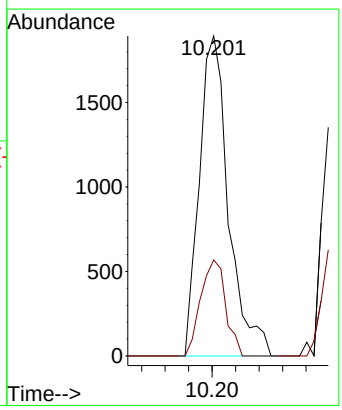


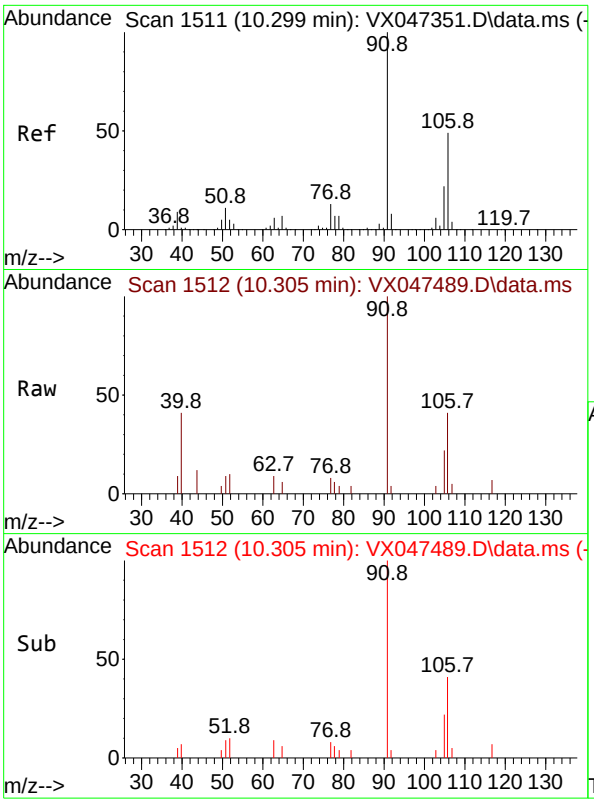


#67
Ethyl Benzene
Concen: 0.204 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.006 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Tgt Ion: 91 Resp: 3253

Ion	Ratio	Lower	Upper
91	100		
106	30.0	24.4	36.6



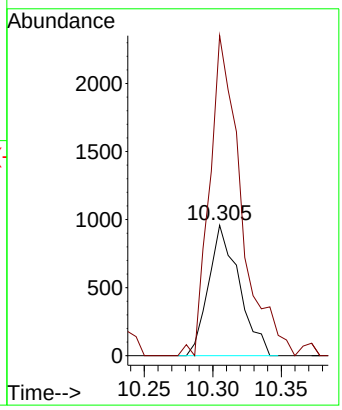


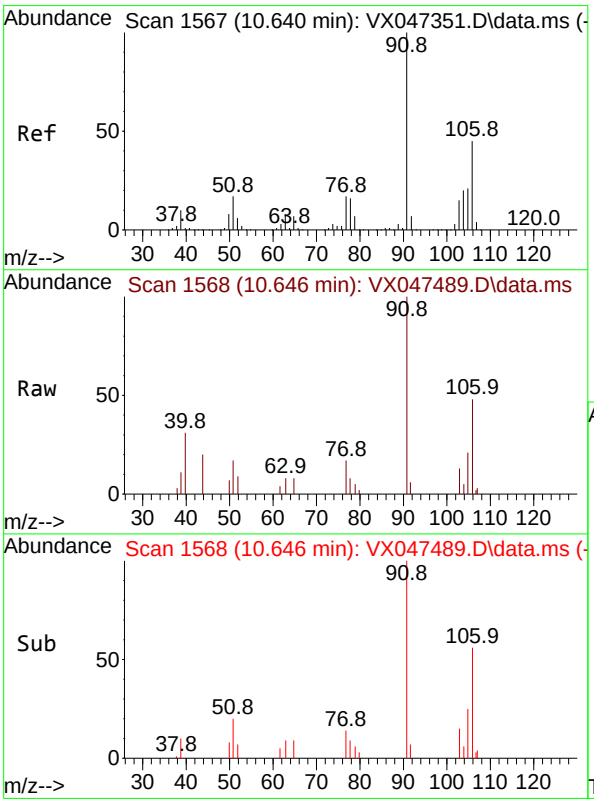
#68
m/p-Xylenes
Concen: 0.251 ug/l
RT: 10.305 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925DL

Tgt Ion:106 Resp: 1491

Ion	Ratio	Lower	Upper
106	100		
91	252.6	164.7	247.1#

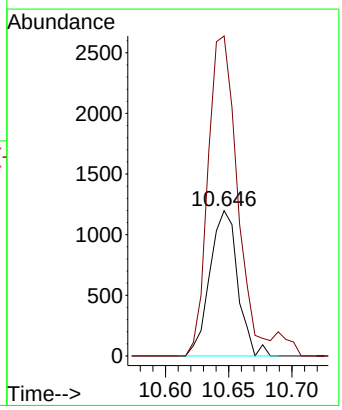


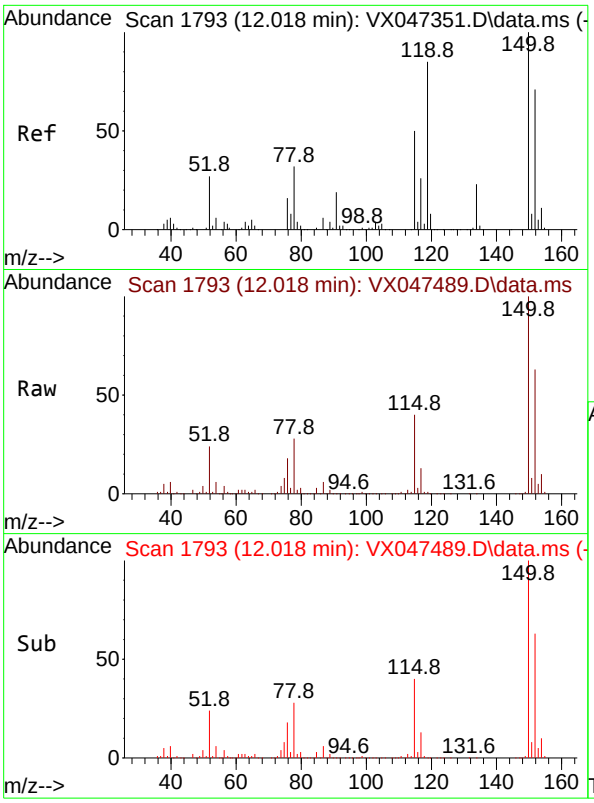


#69
o-Xylene
Concen: 0.320 ug/l
RT: 10.646 min Scan# 1568
Delta R.T. 0.006 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Tgt Ion:106 Resp: 1834

Ion	Ratio	Lower	Upper
106	100		
91	232.9	110.6	331.8



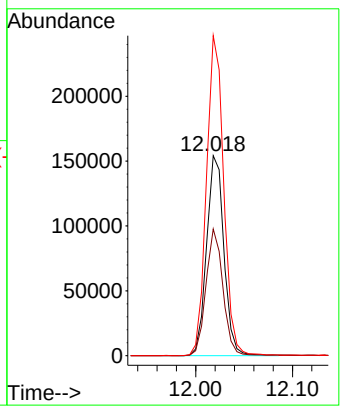


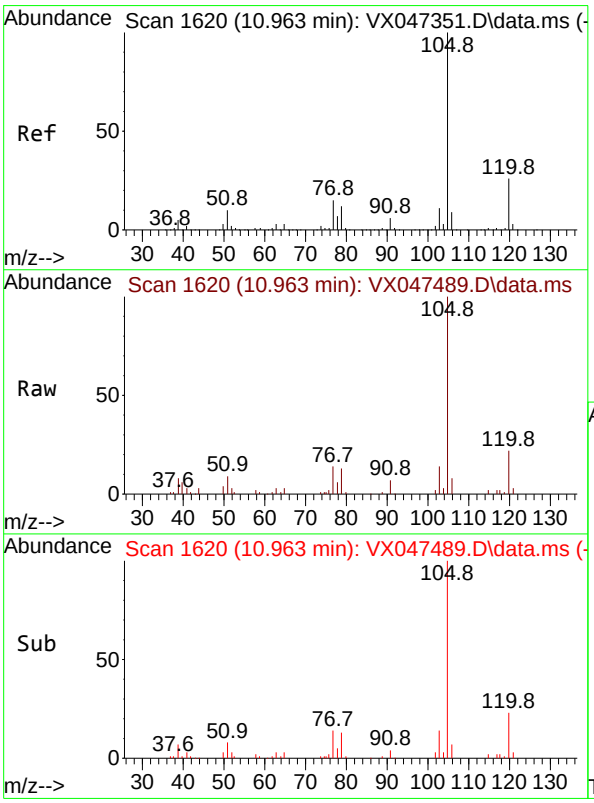
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925DL

Tgt Ion:152 Resp: 192795

Ion	Ratio	Lower	Upper
152	100		
115	61.9	44.6	133.8
150	159.3	0.0	349.8

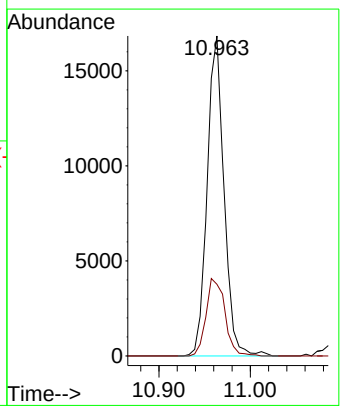


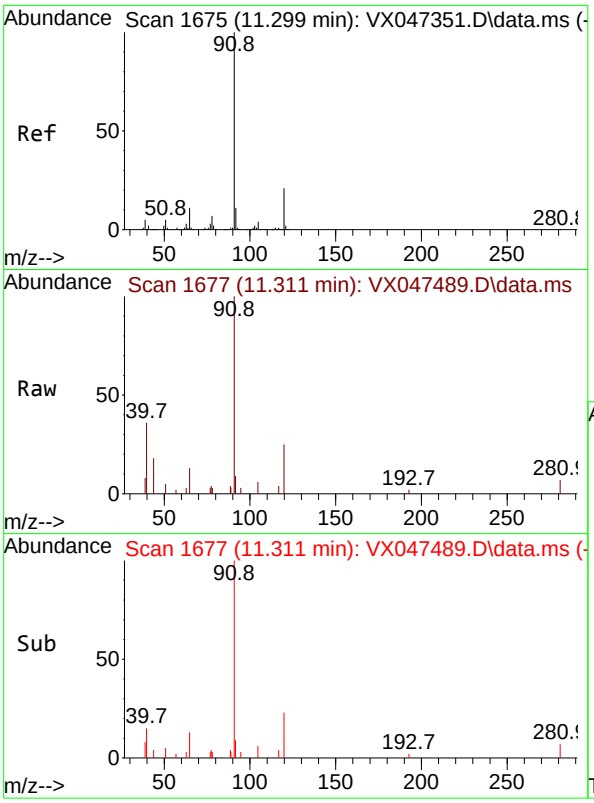


#73
Isopropylbenzene
Concen: 1.425 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Tgt Ion:105 Resp: 21502

Ion	Ratio	Lower	Upper
105	100		
120	27.1	12.9	38.6



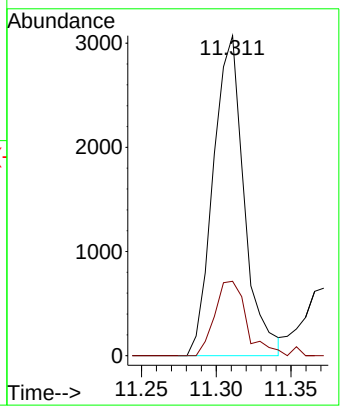


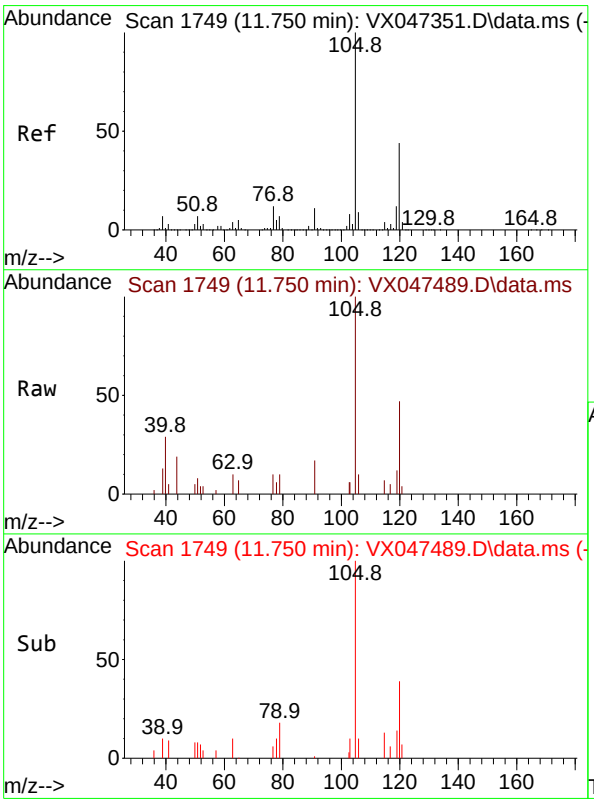
#78
n-propylbenzene
Concen: 0.245 ug/l
RT: 11.311 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Instrument :
MSVOA_X
ClientSampleId :
MW-12B-081925DL

Tgt Ion: 91 Resp: 4413

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.0	33.0

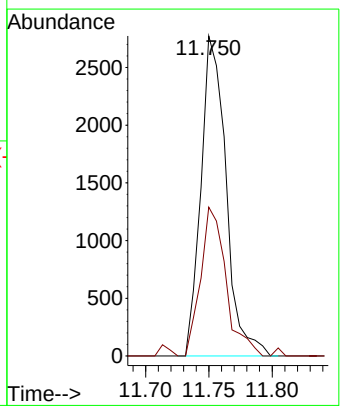




#84
1,2,4-Trimethylbenzene
Concen: 0.309 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047489.D
Acq: 22 Aug 2025 12:12

Tgt Ion:105 Resp: 3832

Ion	Ratio	Lower	Upper
105	100		
120	47.0	21.9	65.7



Raw Data: **VX047480.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-18B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047480.D	1	08/21/25 18:42	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	3.00	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	1.10	J	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	0.43	J	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

Raw Data: **VX047480.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-18B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047480.D	1	08/21/25 18:42	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.48	J	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.6		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	51.4		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	51.6		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.8		77 - 121	120%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	257000	5.562			
540-36-3	1,4-Difluorobenzene	525000	6.769			
3114-55-4	Chlorobenzene-d5	528000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	281000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-18B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-08	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047480.D	1	08/21/25 18:42	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	220	J		1.27	ug/L

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\VX082125\
Data File : VX047480.D
Acq On : 21 Aug 2025 18:42
Operator : JC/MD
Sample : Q2903-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Quant Time: Aug 22 03:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	256554	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	524902	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	528456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	280646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	213963	59.591	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.180%#			
35) Dibromofluoromethane	5.397	113	175254	51.444	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.880%			
50) Toluene-d8	8.653	98	628435	51.611	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.220%			
62) 4-Bromofluorobenzene	11.079	95	268749	59.811	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 119.620%			
Target Compounds						Qvalue
16) Acetone	2.392	43	4044	2.996	ug/l	100
17) Carbon Disulfide	2.538	76	11199	1.149	ug/l	99
40) Benzene	6.056	78	6951	0.432	ug/l	98
73) Isopropylbenzene	10.964	105	10541	0.480	ug/l	96

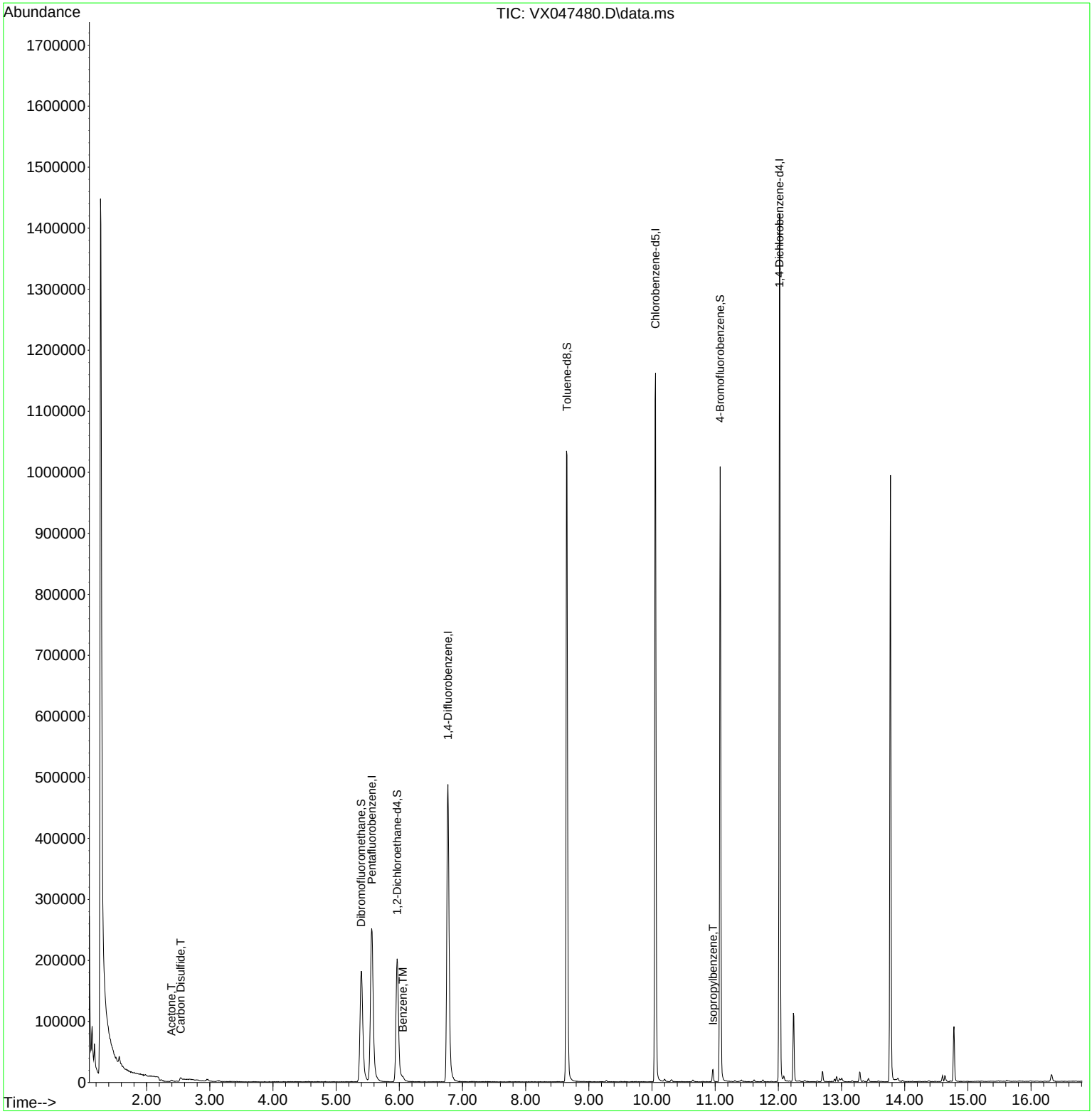
(#) = qualifier out of range (m) = manual integration (+) = signals summed

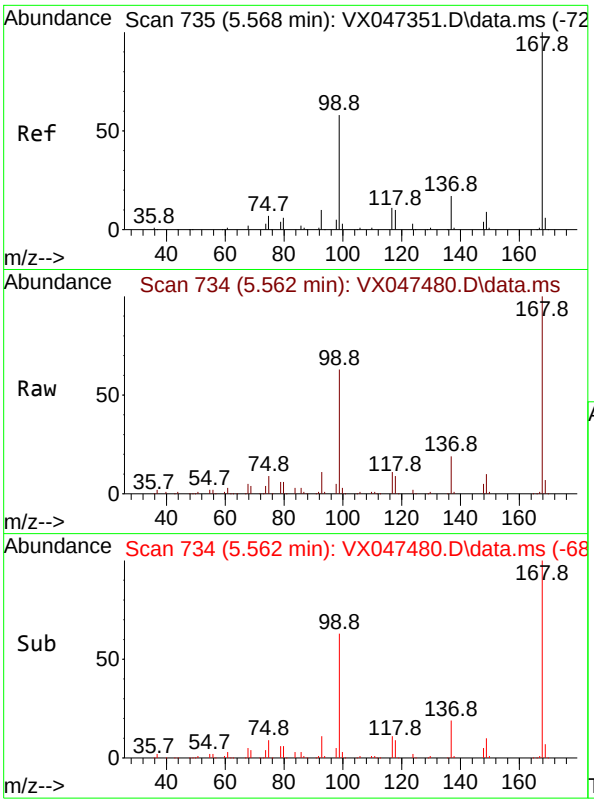
Sample Results: **VX047480.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047480.D
Acq On : 21 Aug 2025 18:42
Operator : JC/MD
Sample : Q2903-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Quant Time: Aug 22 03:53:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



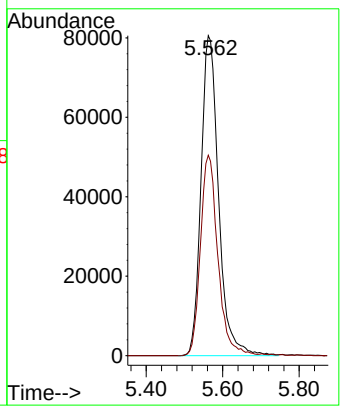


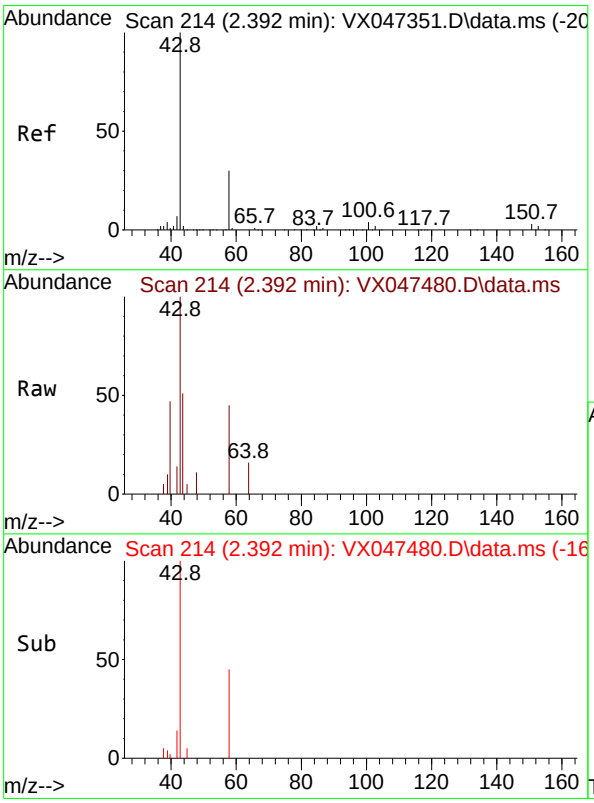
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Tgt Ion:168 Resp: 256554

Ion	Ratio	Lower	Upper
168	100		
99	62.6	47.9	71.9

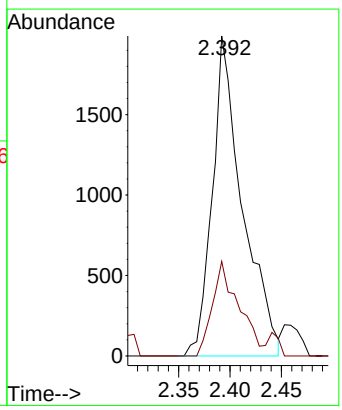


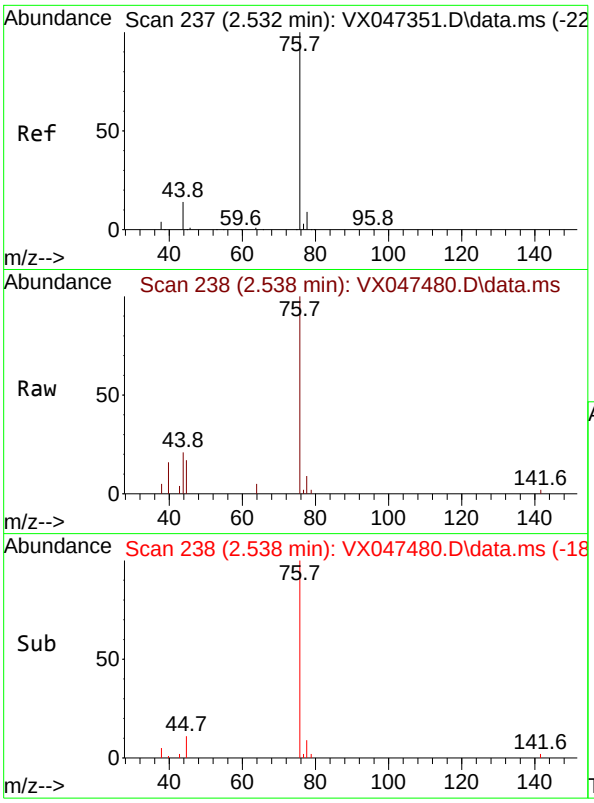


#16
Acetone
Concen: 2.996 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion: 43 Resp: 4044

Ion	Ratio	Lower	Upper
43	100		
58	31.2	24.8	37.2



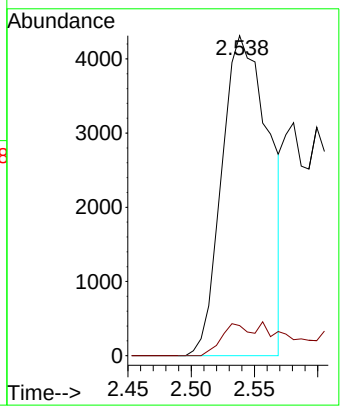


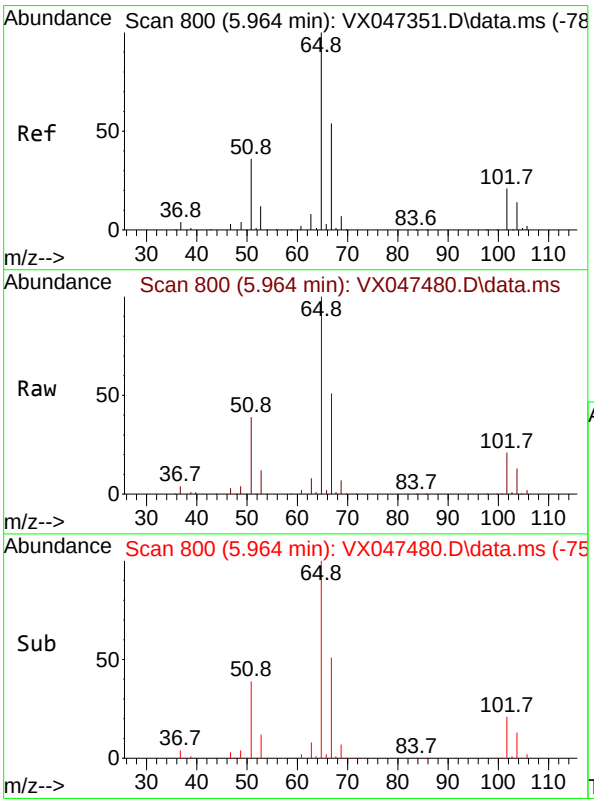
#17
Carbon Disulfide
Concen: 1.149 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Tgt Ion: 76 Resp: 11199

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.2	10.8

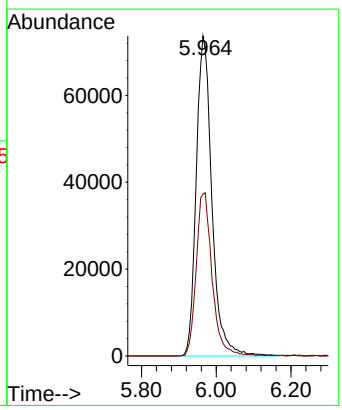


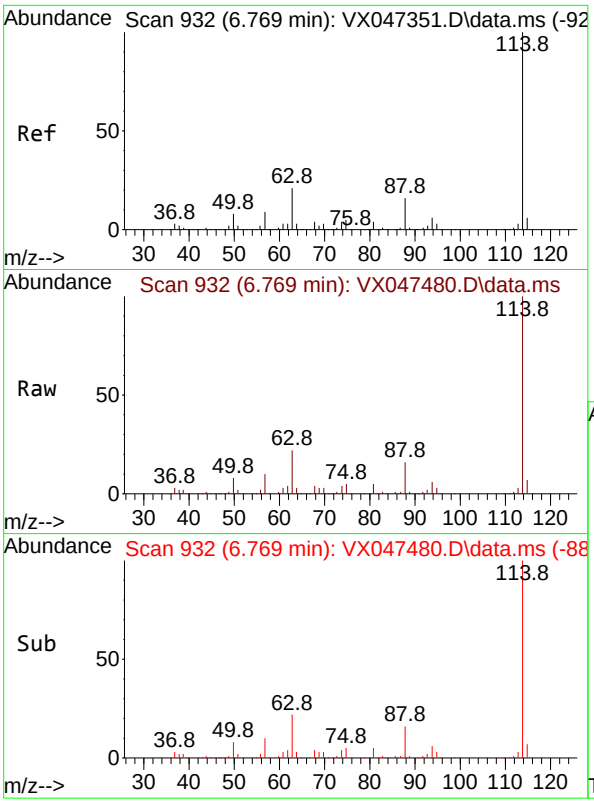


#33
1,2-Dichloroethane-d4
Concen: 59.591 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion: 65 Resp: 213963

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	106.0



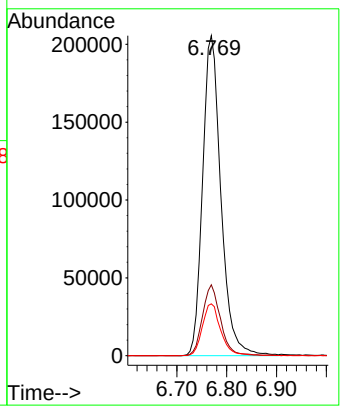


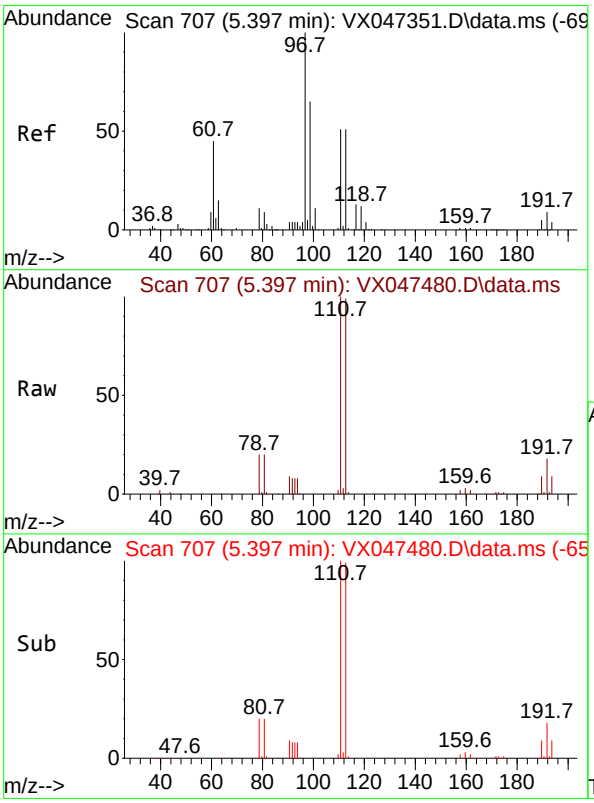
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Tgt Ion:114 Resp: 524902

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.4
88	16.2	0.0	33.0

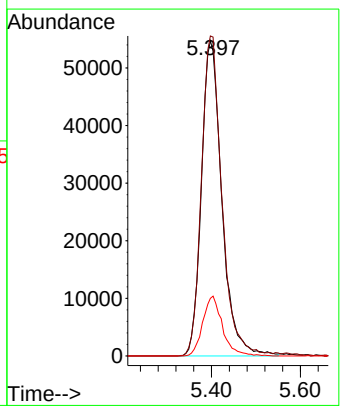


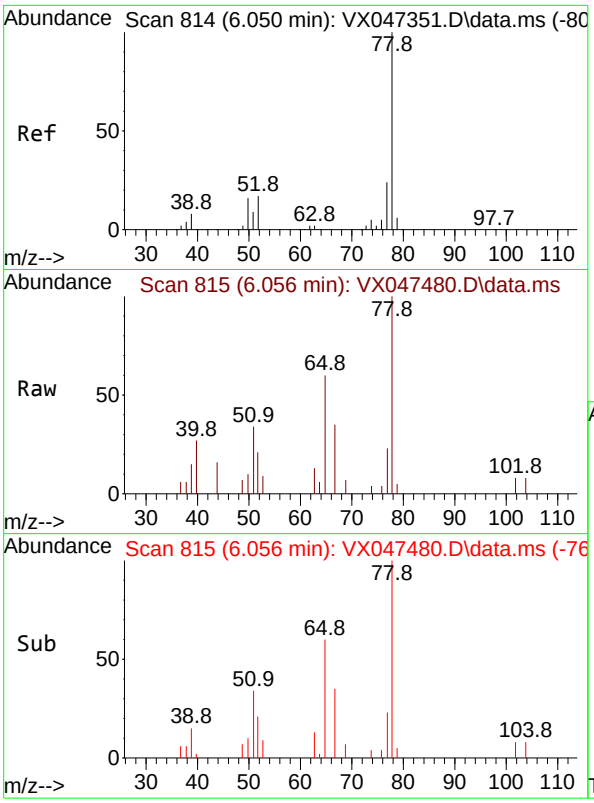


#35
Dibromofluoromethane
Concen: 51.444 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion:113 Resp: 175254

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.4	122.2
192	18.4	14.1	21.1



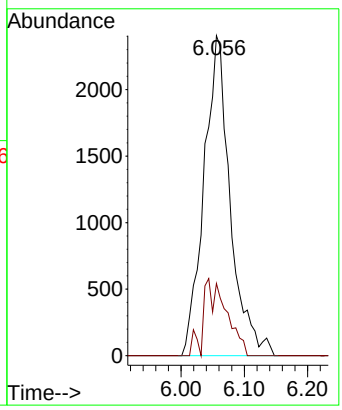


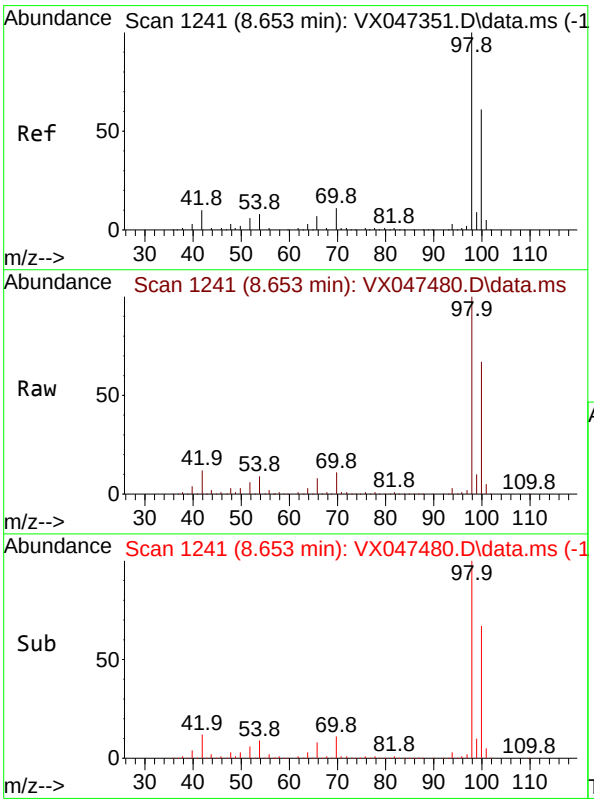
#40
Benzene
Concen: 0.432 ug/l
RT: 6.056 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Tgt Ion: 78 Resp: 6951

Ion	Ratio	Lower	Upper
78	100		
77	22.5	19.0	28.4

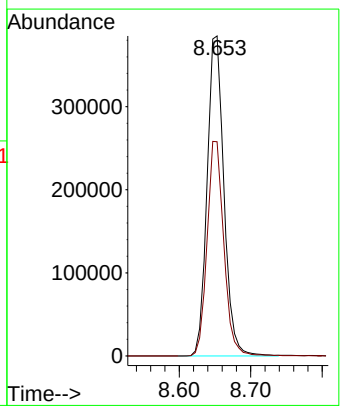


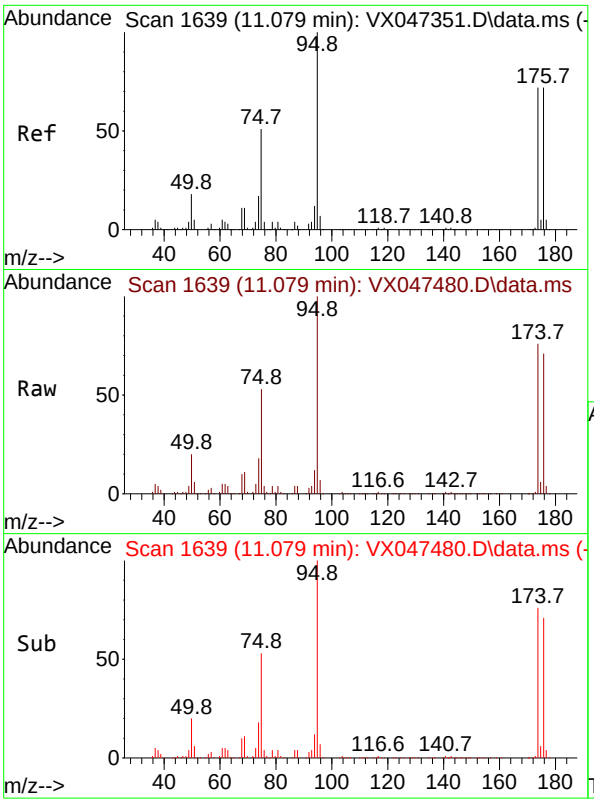


#50
Toluene-d8
Concen: 51.611 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion: 98 Resp: 628435

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.9	80.9



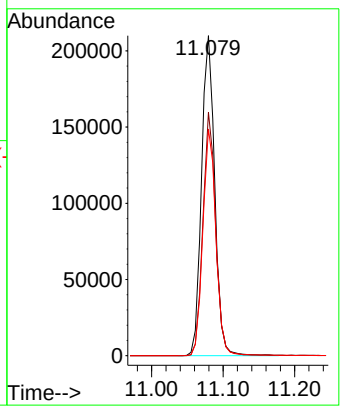


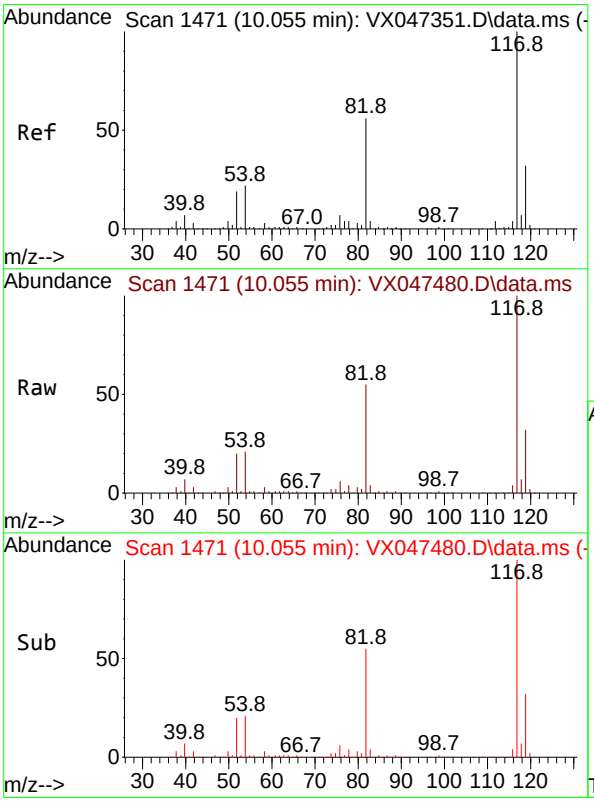
#62
4-Bromofluorobenzene
Concen: 59.811 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Tgt Ion: 95 Resp: 268749

Ion	Ratio	Lower	Upper
95	100		
174	74.0	0.0	148.0
176	70.5	0.0	145.4

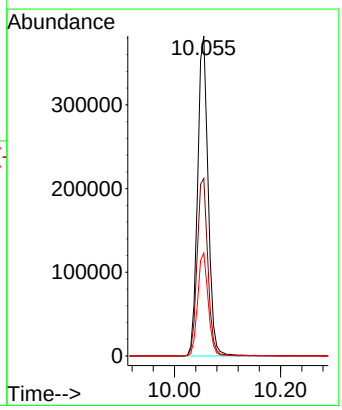


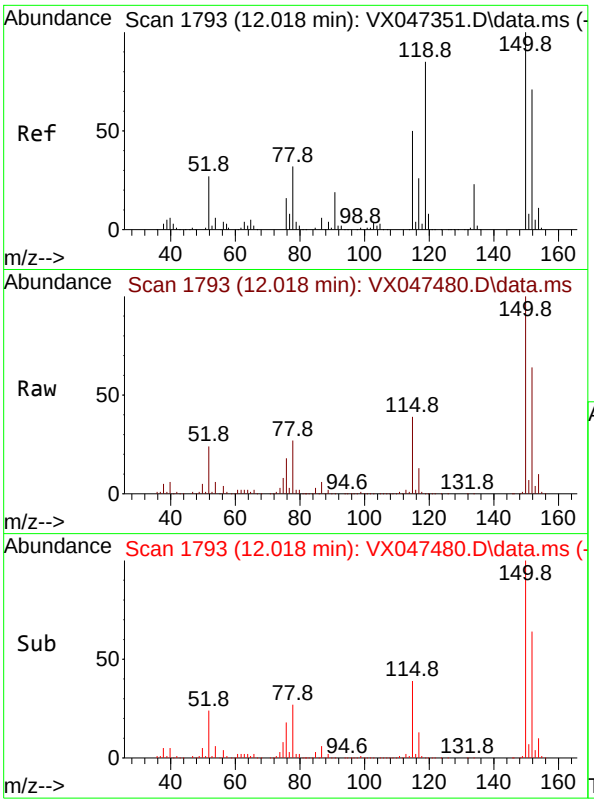


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion:117 Resp: 528456

Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.0	67.4
119	32.2	25.8	38.8



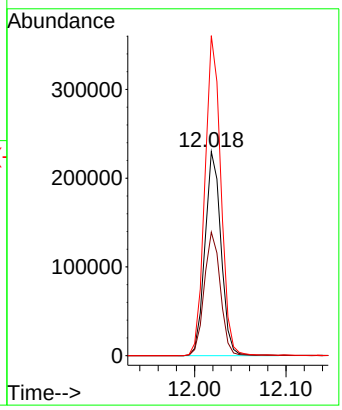


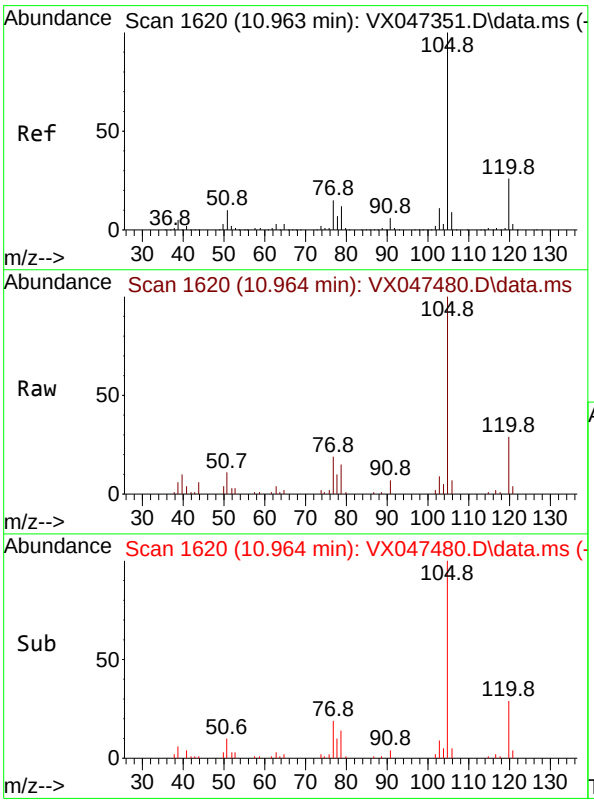
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Tgt Ion:152 Resp: 280646

Ion	Ratio	Lower	Upper
152	100		
115	61.1	44.6	133.8
150	156.0	0.0	349.8

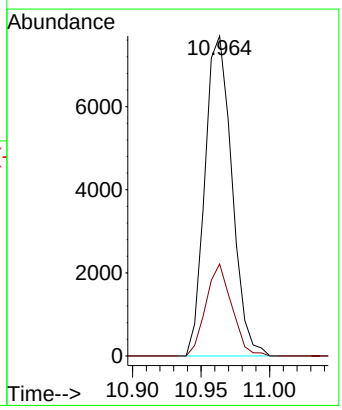




#73
Isopropylbenzene
Concen: 0.480 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047480.D
Acq: 21 Aug 2025 18:42

Tgt Ion:105 Resp: 10541

Ion	Ratio	Lower	Upper
105	100		
120	27.6	12.9	38.6



Sample Results: **VX047480.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047480.D
Acq On : 21 Aug 2025 18:42
Operator : JC/MD
Sample : Q2903-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047480.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.136	5	8	12	rVB	54557	63547	1.85%	0.436%
2	1.173	12	14	25	rVB	48066	67938	1.98%	0.466%
3	1.270	25	30	55	rBV	1432878	3430355	100.00%	23.511%
4	5.397	697	707	723	rBV2	181208	570862	16.64%	3.913%
5	5.562	723	734	763	rVB	250728	797080	23.24%	5.463%
6	5.964	790	800	814	rBV	201561	583646	17.01%	4.000%
7	6.769	922	932	951	rBV	487572	1244397	36.28%	8.529%
8	8.647	1234	1240	1259	rBV	1033107	1695716	49.43%	11.622%
9	10.055	1465	1471	1485	rBV	1161149	1638465	47.76%	11.230%
10	11.079	1633	1639	1652	rBV	1008280	1278847	37.28%	8.765%
11	12.018	1788	1793	1801	rBV	1422069	1724584	50.27%	11.820%
12	12.238	1824	1829	1837	rBV	111944	148911	4.34%	1.021%
13	13.774	2075	2081	2090	rBV	993768	1219843	35.56%	8.361%
14	14.780	2240	2246	2255	rVB2	89777	126209	3.68%	0.865%

Sum of corrected areas: 14590400

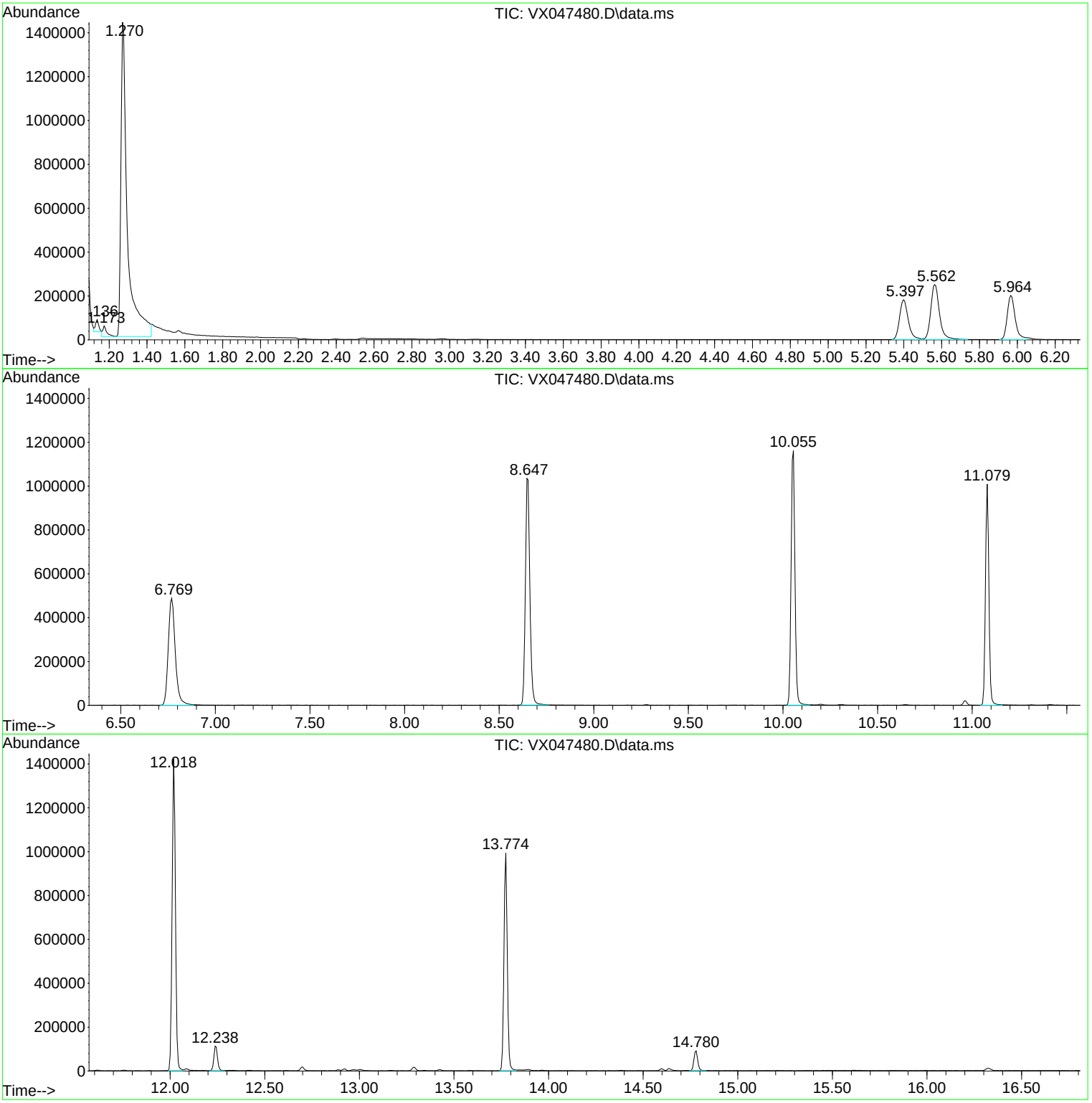
Sample Results: **VX047480.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047480.D
Acq On : 21 Aug 2025 18:42
Operator : JC/MD
Sample : Q2903-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047480.D
Acq On : 21 Aug 2025 18:42
Operator : JC/MD
Sample : Q2903-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

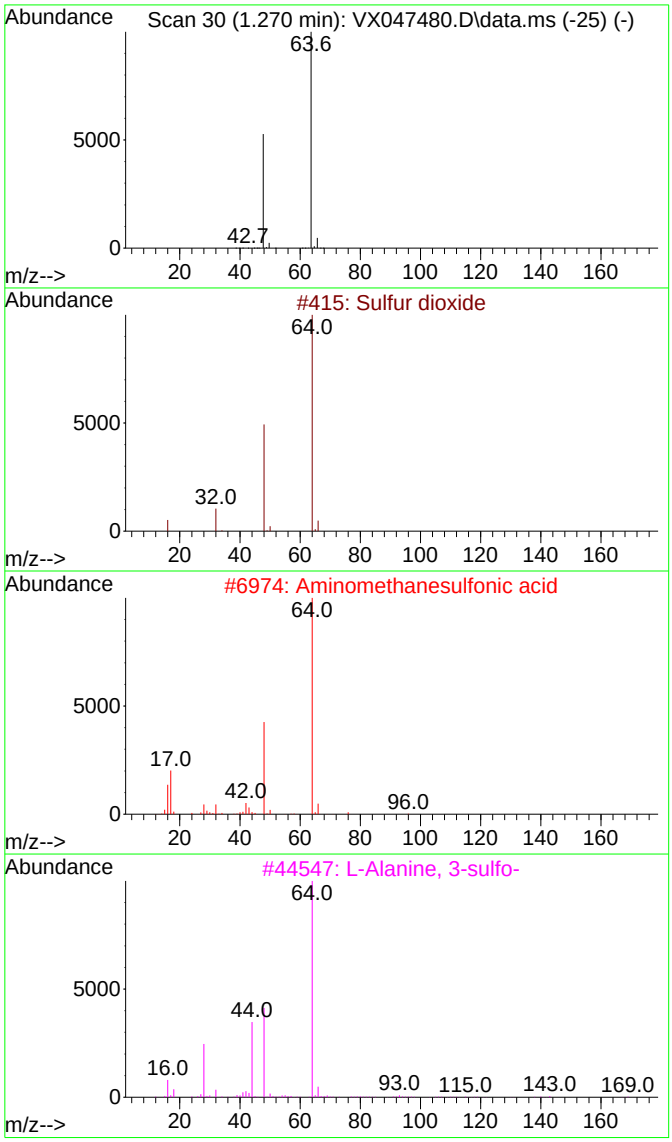
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

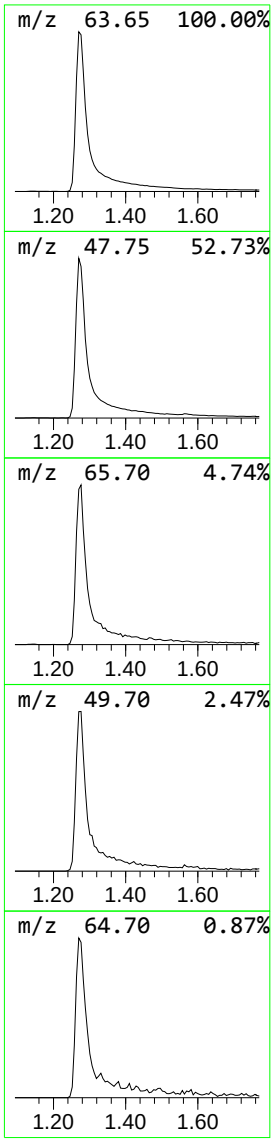
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.270	215.18 ug/l	3430360	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047480.D
Acq On : 21 Aug 2025 18:42
Operator : JC/MD
Sample : Q2903-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 27 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.270	215.2	ug/l	3430360	1	5.562	797080	50.0

Raw Data: **VX047494.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	DUP-02-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047494.D	1	08/22/25 13:58	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	2.40	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	1.30	J	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	DUP-02-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047494.D	1	08/22/25 13:58	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.49	J	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.4		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	51.9		86 - 113	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.4		77 - 121	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	246000	5.562			
540-36-3	1,4-Difluorobenzene	504000	6.769			
3114-55-4	Chlorobenzene-d5	501000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	256000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	DUP-02-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-09	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047494.D	1	08/22/25 13:58	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	200	J		1.28	ug/L

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: **VX047494.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047494.D
Acq On : 22 Aug 2025 13:58
Operator : JC/MD
Sample : Q2903-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Quant Time: Aug 25 01:27:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

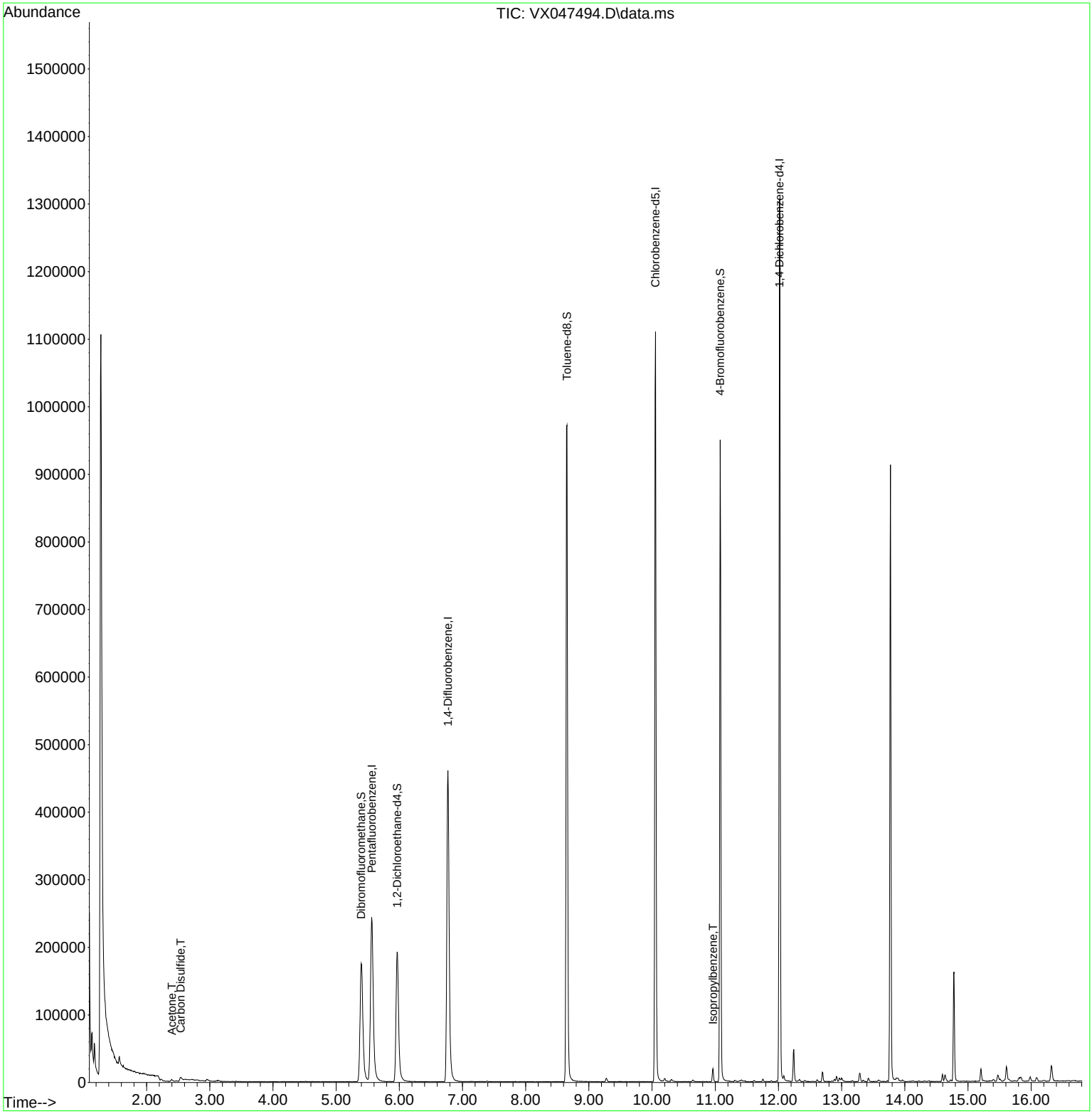
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	245699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	503621	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	501212	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	255941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	204131	59.364	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.720%#			
35) Dibromofluoromethane	5.397	113	169451	51.843	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.680%			
50) Toluene-d8	8.653	98	606272	51.895	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 103.800%			
62) 4-Bromofluorobenzene	11.079	95	251950	58.442	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.880%			
Target Compounds						Qvalue
16) Acetone	2.398	43	3111	2.407	ug/l	91
17) Carbon Disulfide	2.538	76	12418	1.330	ug/l	97
73) Isopropylbenzene	10.964	105	9776	0.488	ug/l	95

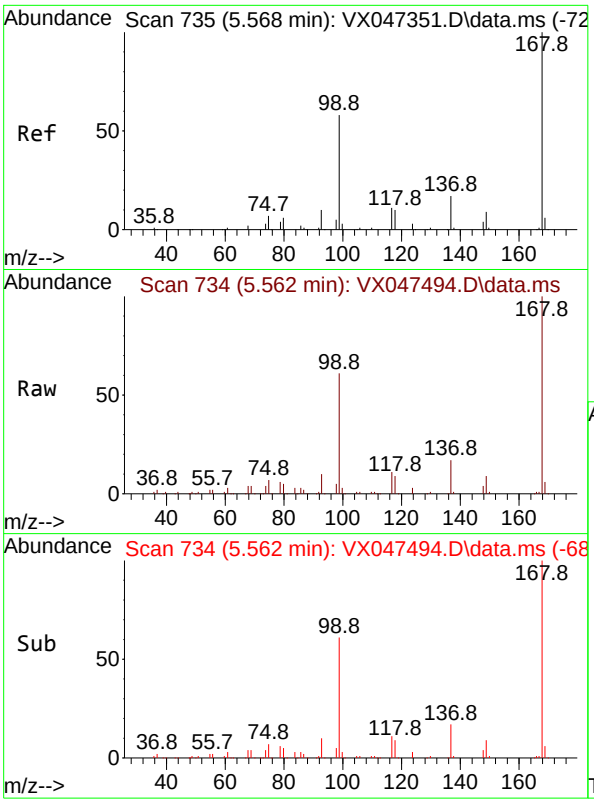
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047494.D
Acq On : 22 Aug 2025 13:58
Operator : JC/MD
Sample : Q2903-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Quant Time: Aug 25 01:27:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



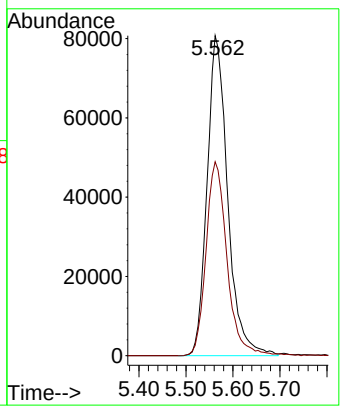


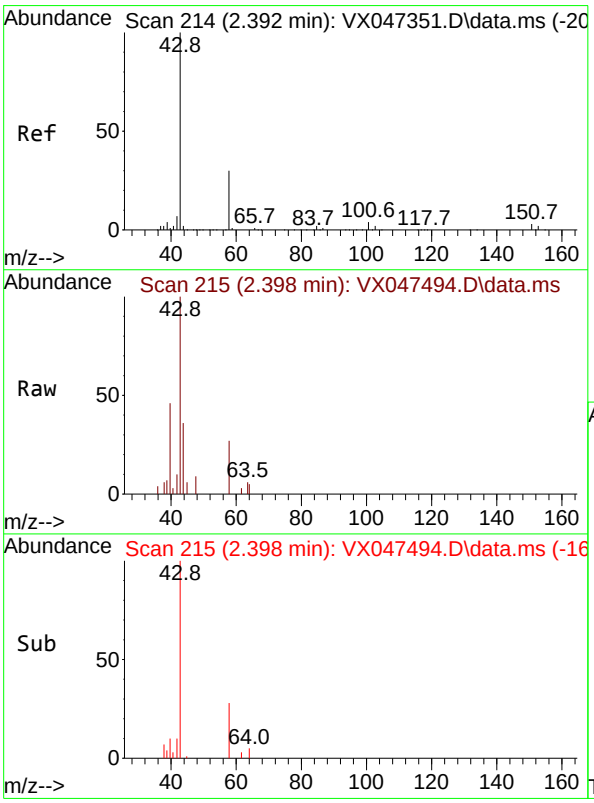
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Tgt Ion:168 Resp: 245699

Ion	Ratio	Lower	Upper
168	100		
99	60.6	47.9	71.9

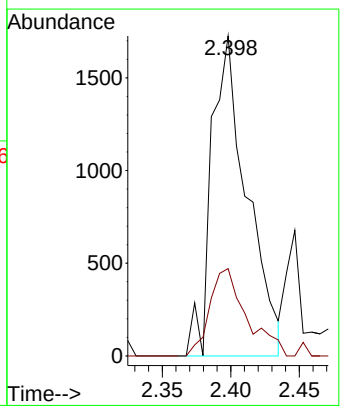


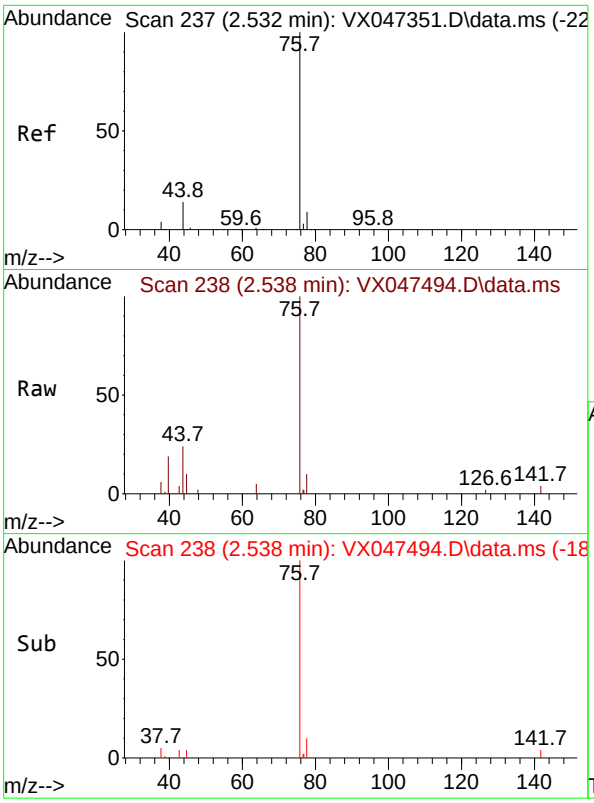


#16
Acetone
Concen: 2.407 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion: 43 Resp: 3111

Ion	Ratio	Lower	Upper
43	100		
58	26.0	24.8	37.2



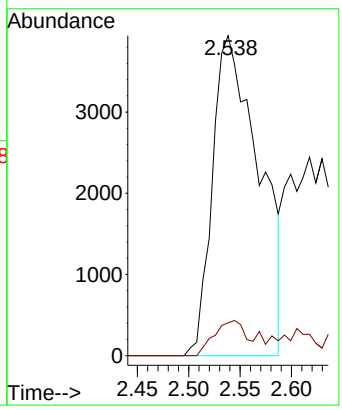


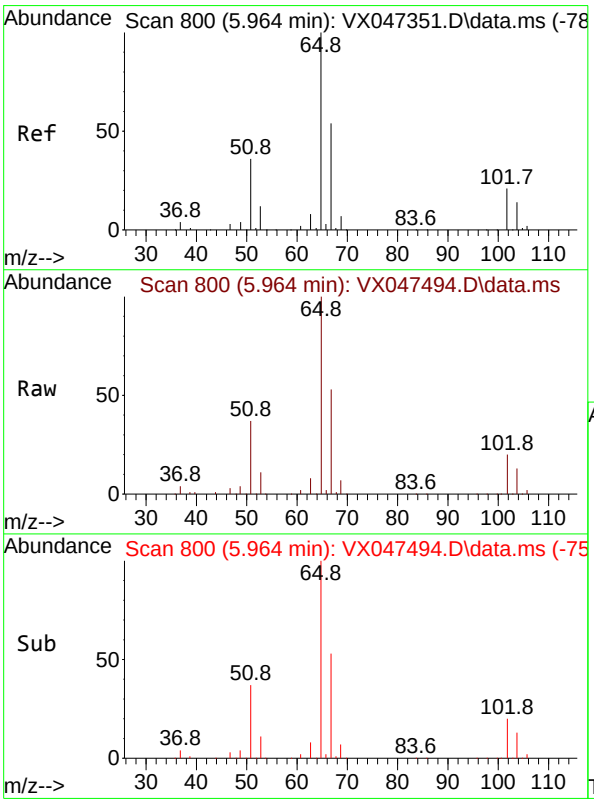
#17
Carbon Disulfide
Concen: 1.330 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Tgt Ion: 76 Resp: 12418

Ion	Ratio	Lower	Upper
76	100		
78	10.1	7.2	10.8

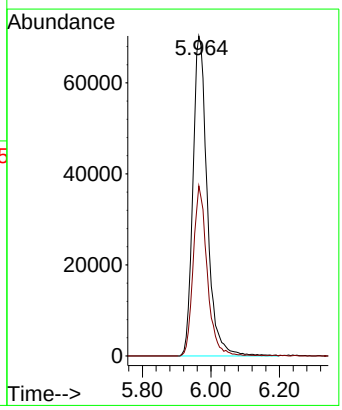


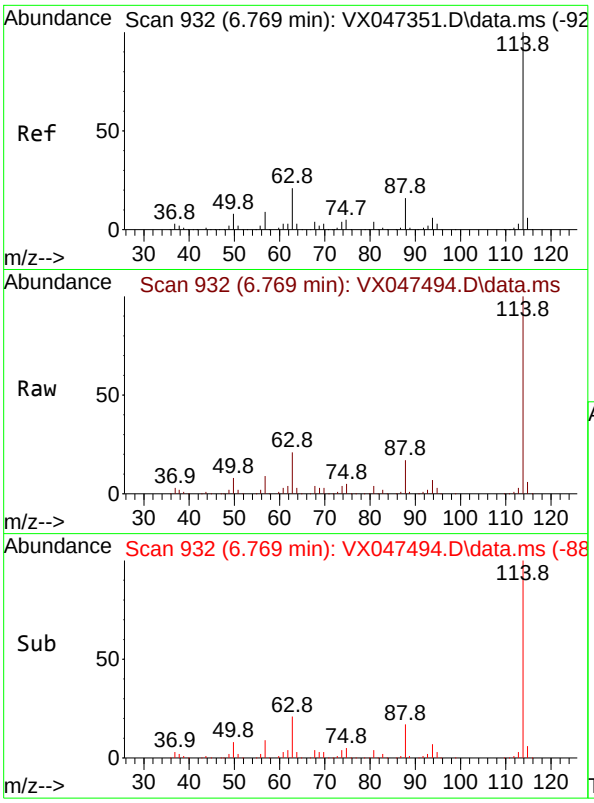


#33
1,2-Dichloroethane-d4
Concen: 59.364 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion: 65 Resp: 204131

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	106.0



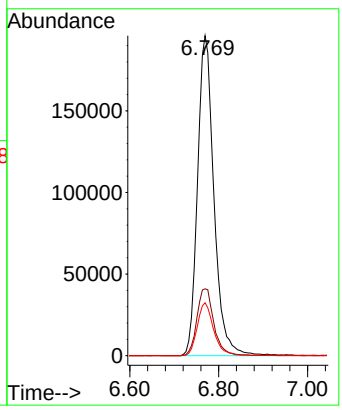


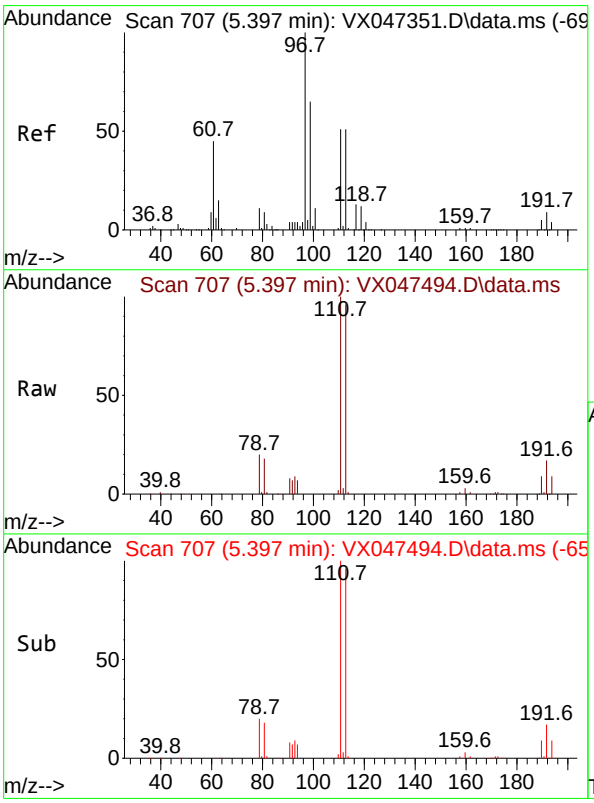
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Tgt Ion:114 Resp: 503621

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	42.4
88	16.5	0.0	33.0

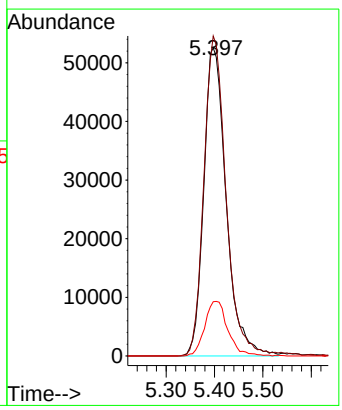


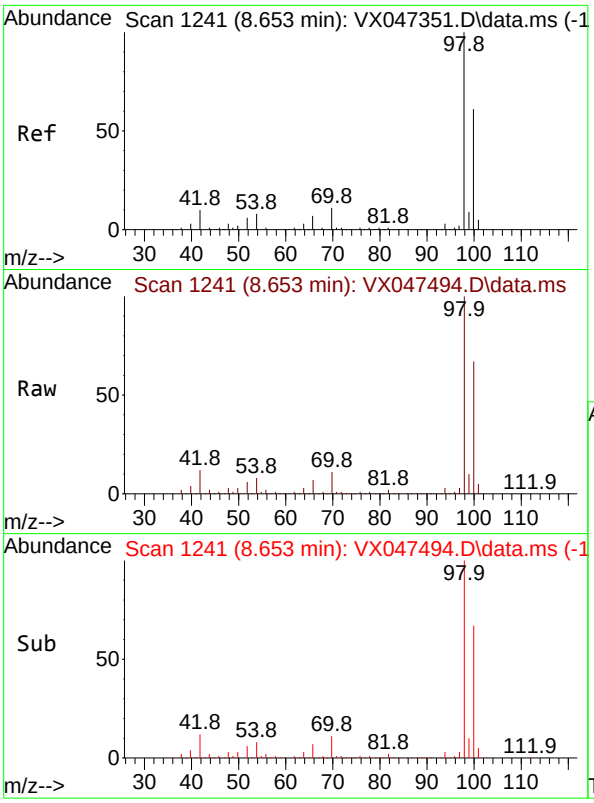


#35
Dibromofluoromethane
Concen: 51.843 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion:113 Resp: 169451

Ion	Ratio	Lower	Upper
113	100		
111	103.3	81.4	122.2
192	18.2	14.1	21.1



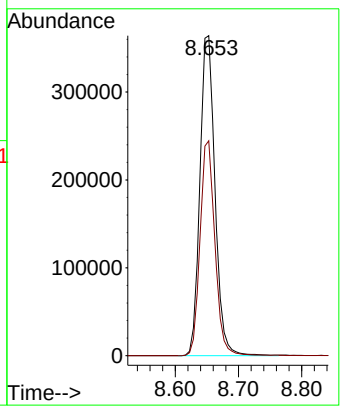


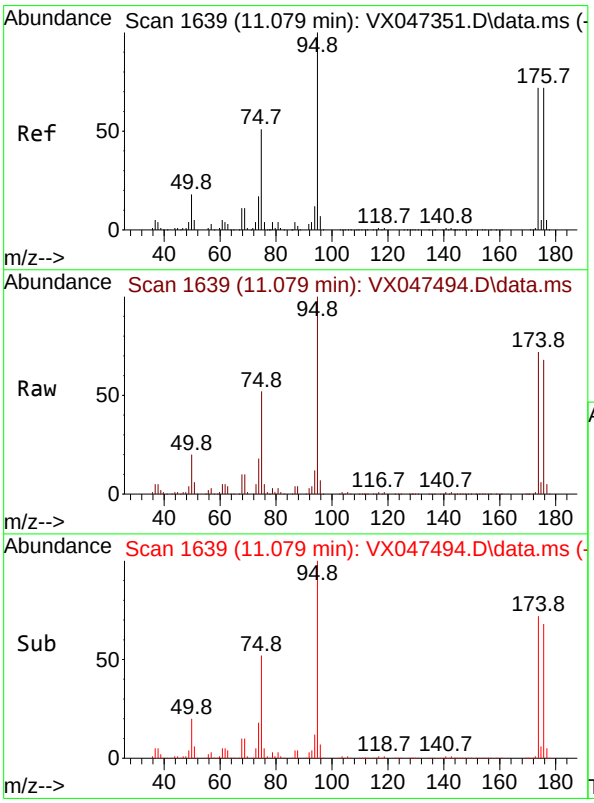
#50
Toluene-d8
Concen: 51.895 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Tgt Ion: 98 Resp: 606272

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.9	80.9

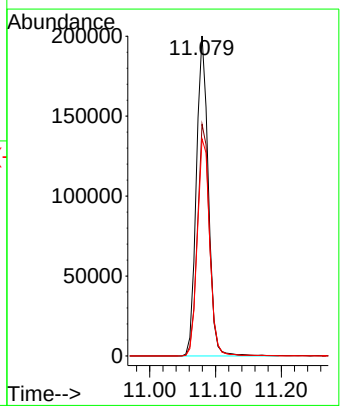


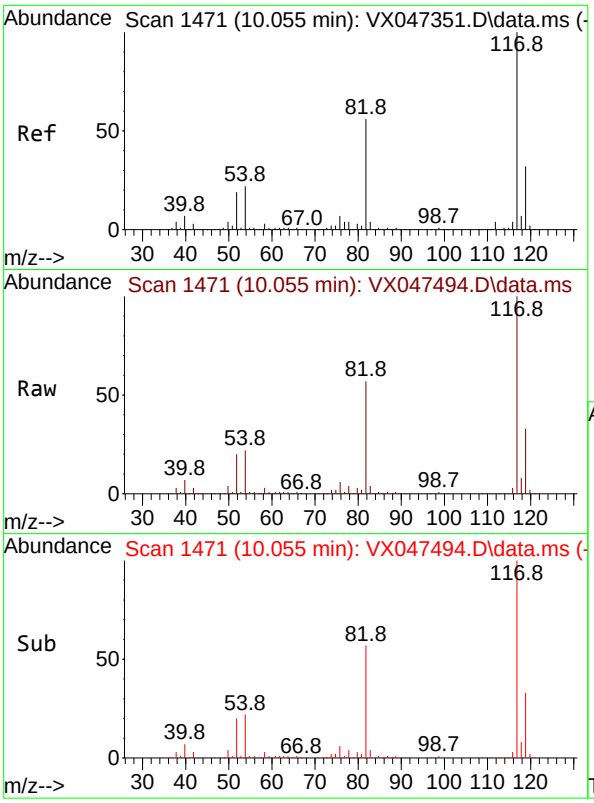


#62
4-Bromofluorobenzene
Concen: 58.442 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion: 95 Resp: 251950

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.0
176	70.2	0.0	145.4



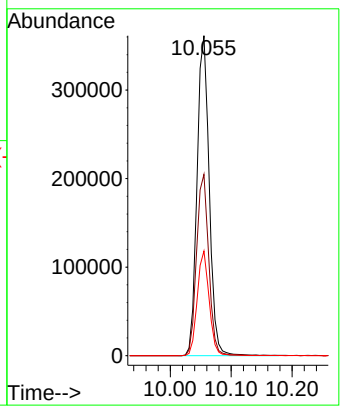


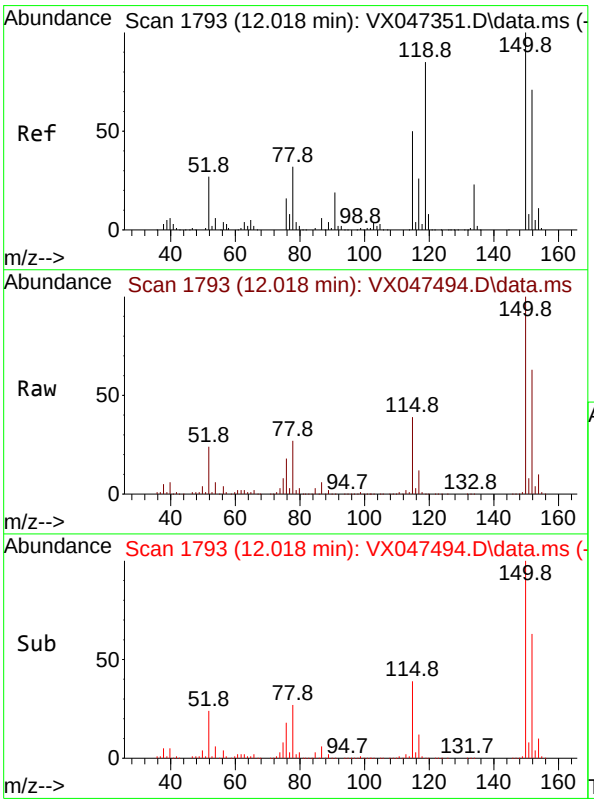
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Tgt Ion:117 Resp: 501212

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.0	67.4
119	32.7	25.8	38.8

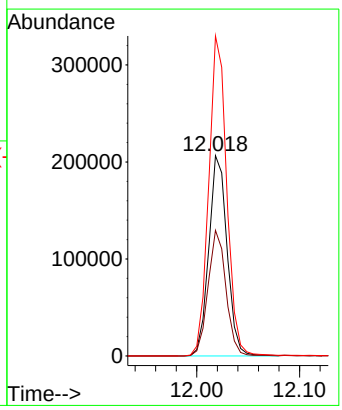


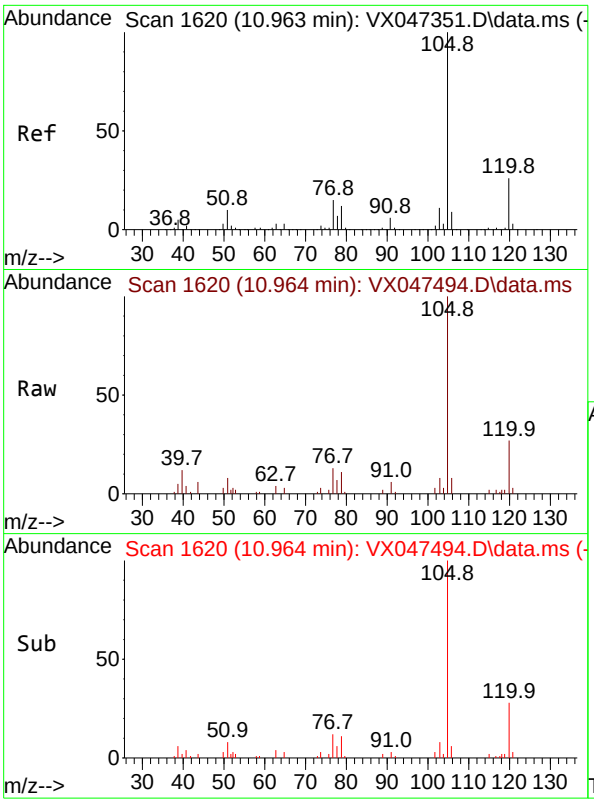


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Tgt Ion:152 Resp: 255941

Ion	Ratio	Lower	Upper
152	100		
115	61.5	44.6	133.8
150	158.0	0.0	349.8



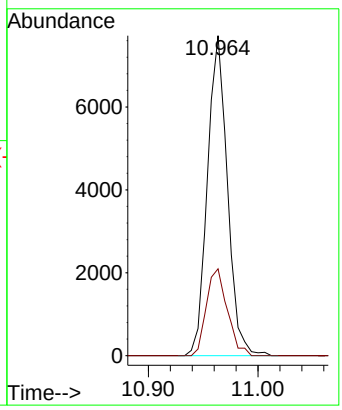


#73
Isopropylbenzene
Concen: 0.488 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047494.D
Acq: 22 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Tgt Ion:105 Resp: 9776

Ion	Ratio	Lower	Upper
105	100		
120	28.4	12.9	38.6



Sample Results: **VX047494.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047494.D
Acq On : 22 Aug 2025 13:58
Operator : JC/MD
Sample : Q2903-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047494.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.136	5	8	12	rVB	42869	54479	1.85%	0.400%
2	1.173	12	14	25	rVB	45644	64033	2.17%	0.471%
3	1.276	25	31	76	rBV	1094654	2949133	100.00%	21.676%
4	5.397	696	707	724	rBV4	174695	558205	18.93%	4.103%
5	5.562	724	734	756	rVB	241969	747612	25.35%	5.495%
6	5.964	791	800	820	rBV	192276	557783	18.91%	4.100%
7	6.769	923	932	954	rBV	460240	1188203	40.29%	8.733%
8	8.653	1234	1241	1257	rBV	971413	1631741	55.33%	11.993%
9	10.055	1465	1471	1486	rBV	1109938	1556308	52.77%	11.439%
10	11.079	1634	1639	1652	rBV	949396	1200946	40.72%	8.827%
11	12.018	1788	1793	1802	rBV	1305976	1595839	54.11%	11.730%
12	12.244	1824	1830	1837	rBV	47389	63731	2.16%	0.468%
13	13.774	2075	2081	2090	rBV	912837	1132651	38.41%	8.325%
14	14.780	2241	2246	2259	rVB	161815	223616	7.58%	1.644%
15	15.609	2373	2382	2387	rBV2	21781	38584	1.31%	0.284%
16	16.322	2493	2499	2506	rBV3	22536	42439	1.44%	0.312%

Sum of corrected areas: 13605303

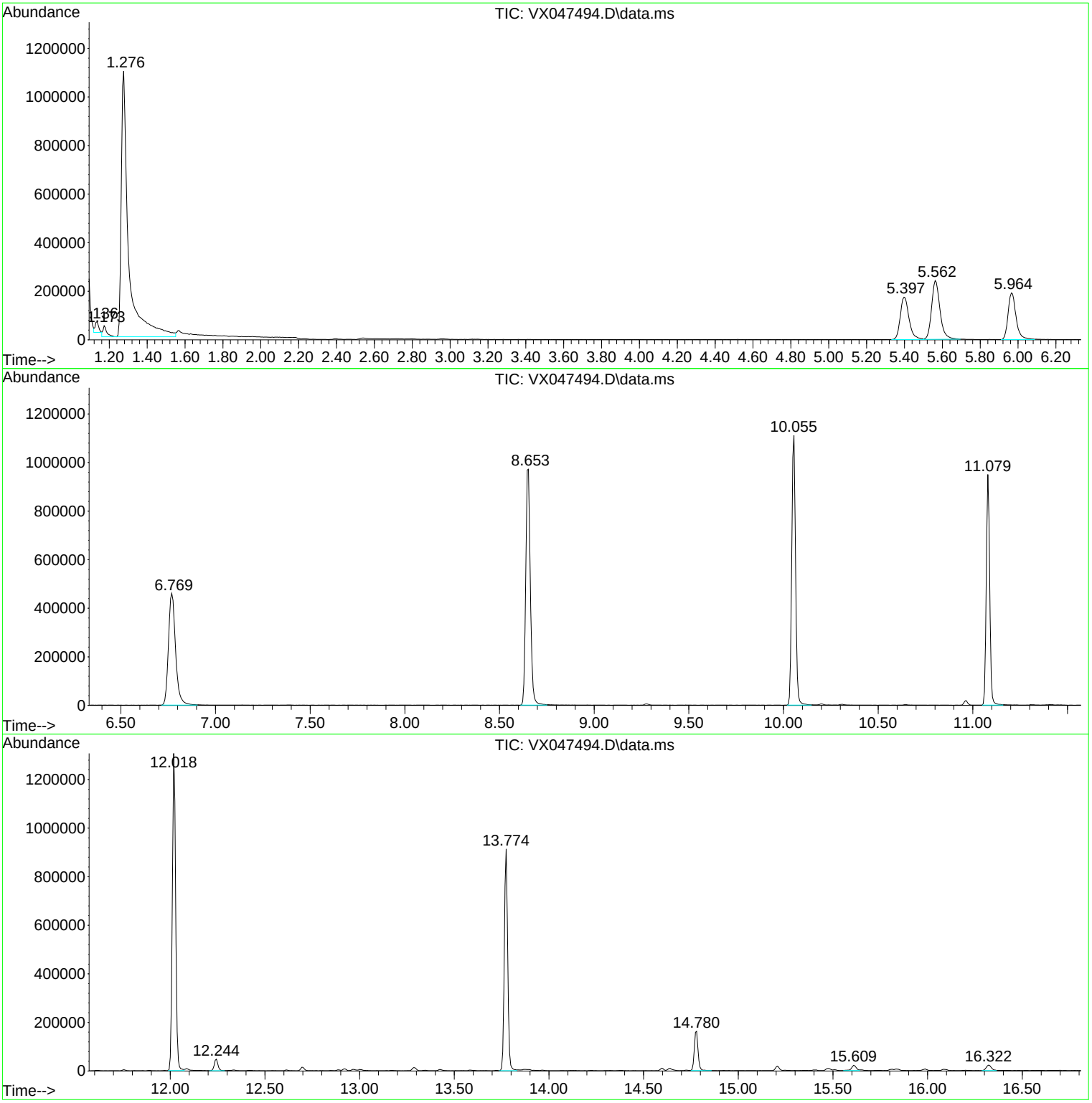
Sample Results: **VX047494.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047494.D
Acq On : 22 Aug 2025 13:58
Operator : JC/MD
Sample : Q2903-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Sample Results: **VX047494.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047494.D
Acq On : 22 Aug 2025 13:58
Operator : JC/MD
Sample : Q2903-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

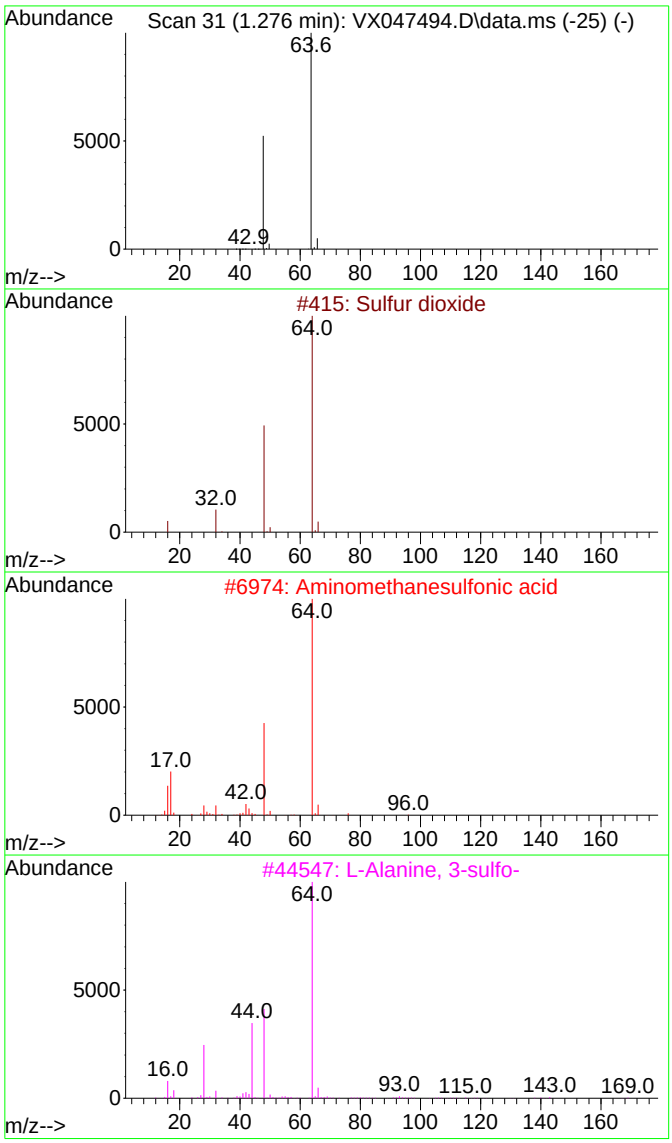
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

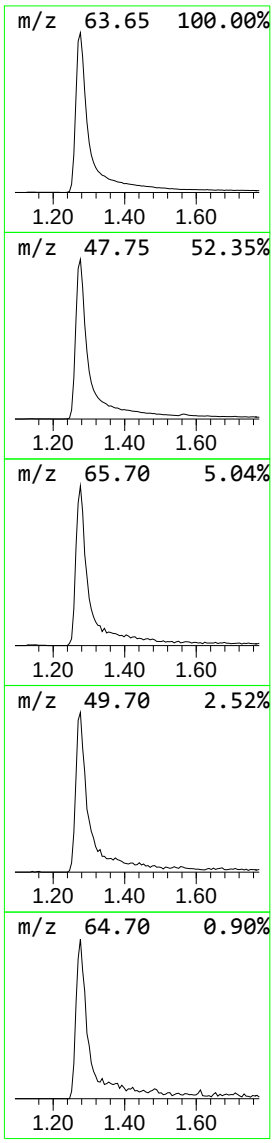
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.276	197.24 ug/l	2949130	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047494.D
Acq On : 22 Aug 2025 13:58
Operator : JC/MD
Sample : Q2903-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DUP-02-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.276	197.2	ug/l	2949130	1	5.562	747612	50.0

Raw Data: **VX047495.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-17A-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047495.D	1	08/22/25 14:19	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	5.90	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

Raw Data: **VX047495.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-17A-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047495.D	1	08/22/25 14:19	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.7		74 - 125	121%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	51.3		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.6		77 - 121	117%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268000	5.562			
540-36-3	1,4-Difluorobenzene	550000	6.769			
3114-55-4	Chlorobenzene-d5	554000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	287000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047495.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-17A-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-10	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047495.D	1	08/22/25 14:19	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	220	J		1.27	ug/L

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\VX082225\
Data File : VX047495.D
Acq On : 22 Aug 2025 14:19
Operator : JC/MD
Sample : Q2903-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17A-081925

Quant Time: Aug 25 01:28:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	267608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	550186	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	553949	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	286642	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	227376	60.710	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 121.420%#			
35) Dibromofluoromethane	5.403	113	184773	51.746	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.500%			
50) Toluene-d8	8.653	98	654147	51.254	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.500%			
62) 4-Bromofluorobenzene	11.079	95	275771	58.553	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.100%			
Target Compounds						Qvalue
16) Acetone	2.398	43	8333	5.919	ug/l #	83

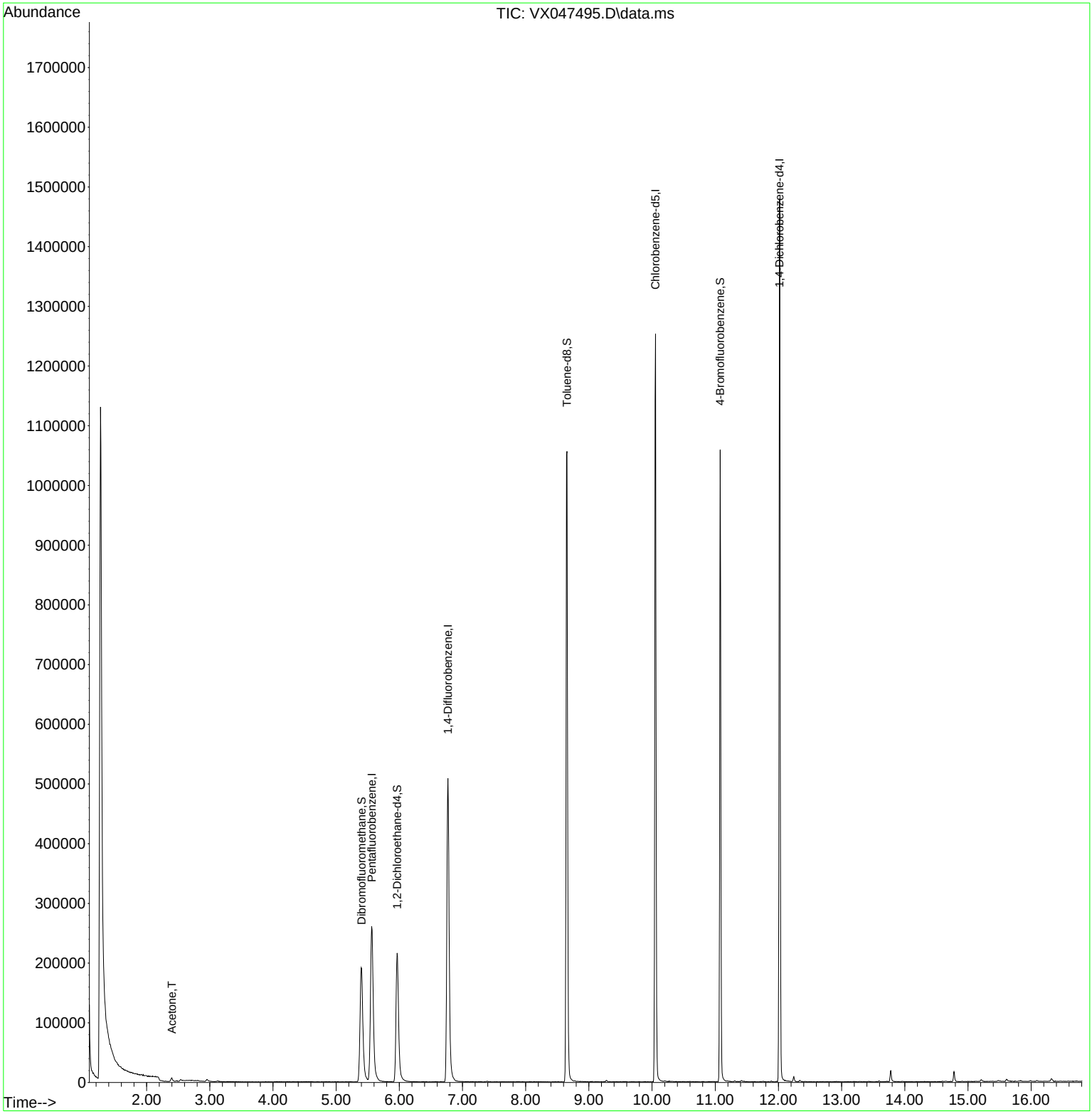
(#) = qualifier out of range (m) = manual integration (+) = signals summed

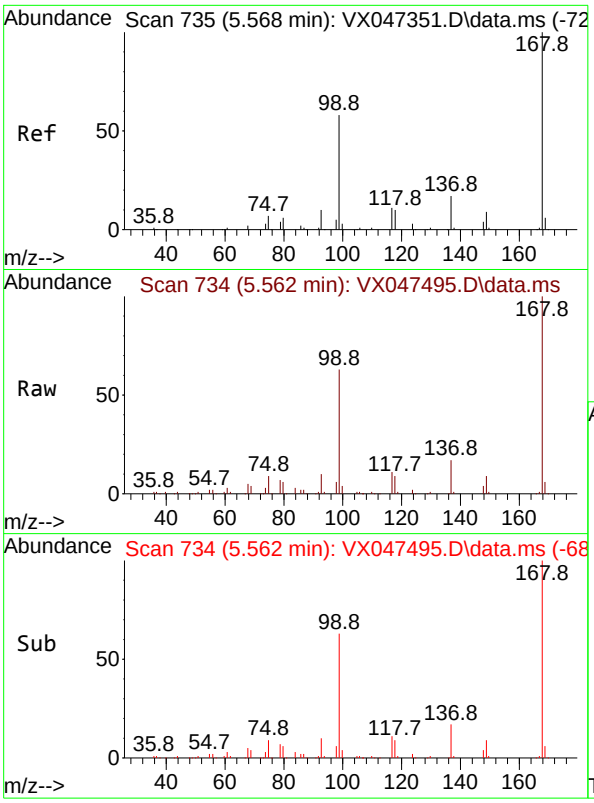
Sample Results: **VX047495.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047495.D
Acq On : 22 Aug 2025 14:19
Operator : JC/MD
Sample : Q2903-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17A-081925

Quant Time: Aug 25 01:28:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



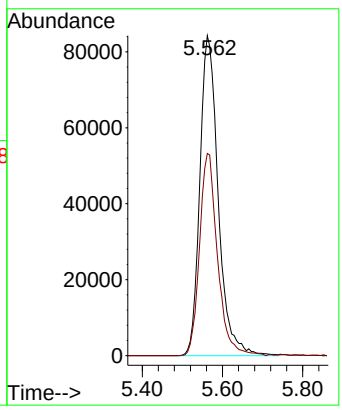


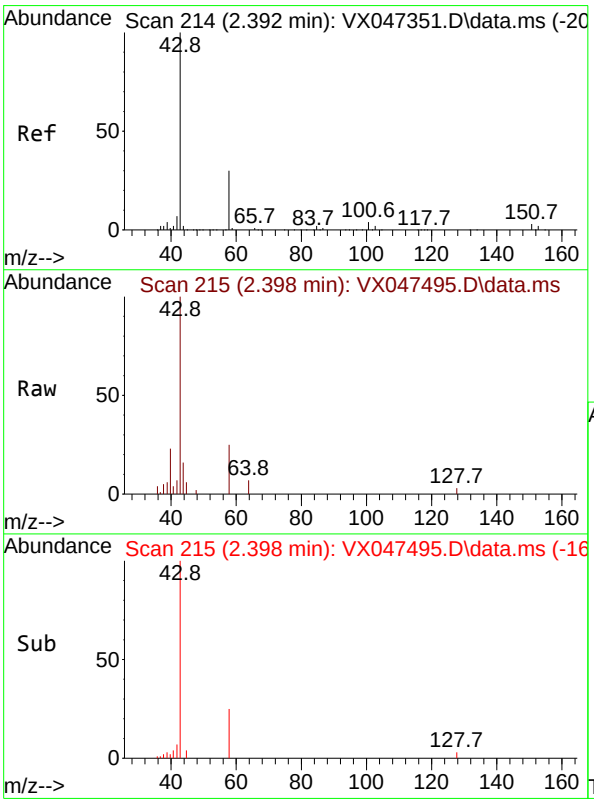
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047495.D
Acq: 22 Aug 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
MW-17A-081925

Tgt Ion:168 Resp: 267608

Ion	Ratio	Lower	Upper
168	100		
99	63.2	47.9	71.9

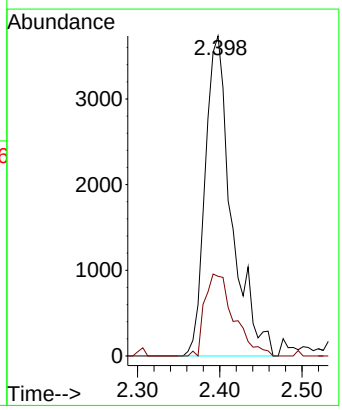


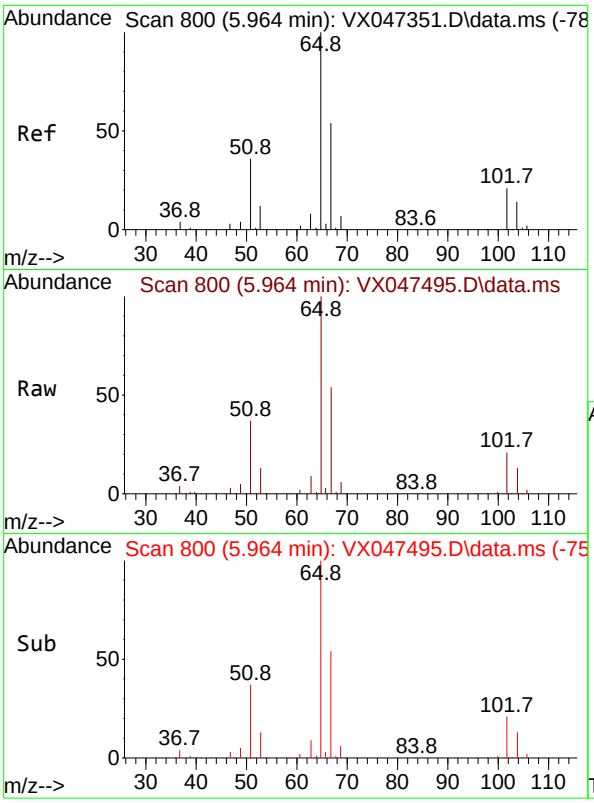


#16
Acetone
Concen: 5.919 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047495.D
Acq: 22 Aug 2025 14:19

Tgt Ion: 43 Resp: 8333

Ion	Ratio	Lower	Upper
43	100		
58	21.4	24.8	37.2#



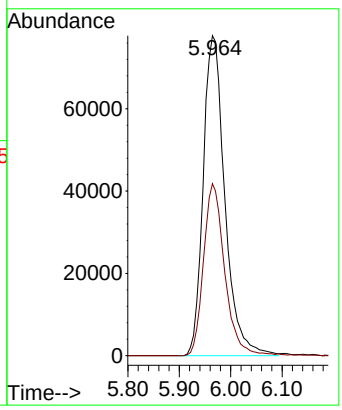


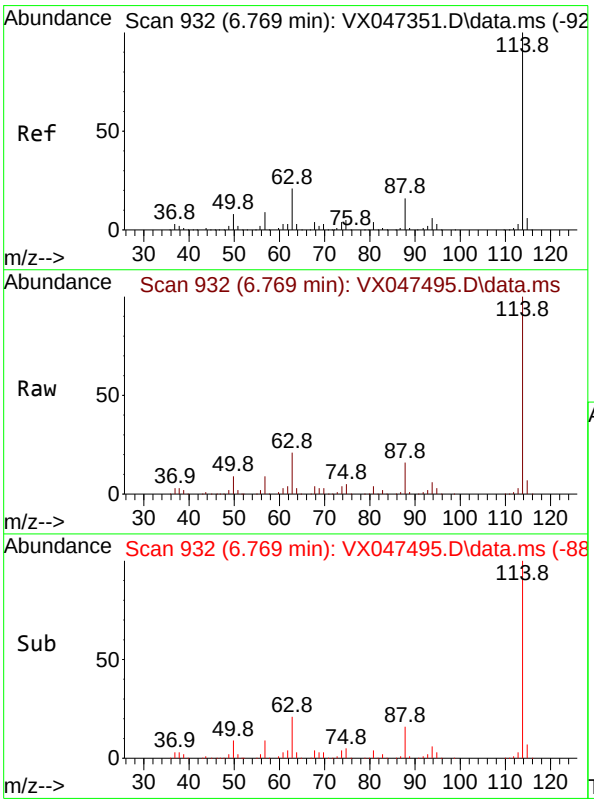
#33
1,2-Dichloroethane-d4
Concen: 60.710 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047495.D
Acq: 22 Aug 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
MW-17A-081925

Tgt Ion: 65 Resp: 227376

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.0

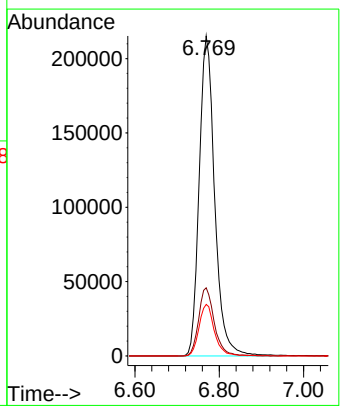


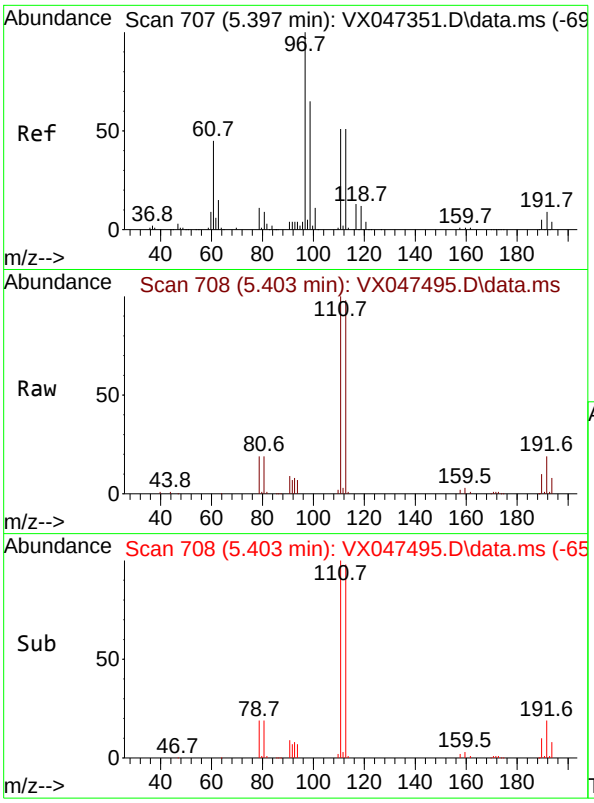


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047495.D
Acq: 22 Aug 2025 14:19

Tgt Ion:114 Resp: 550186

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	16.1	0.0	33.0



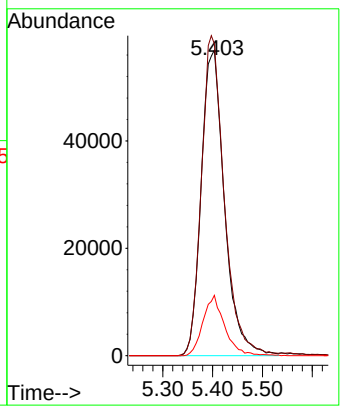


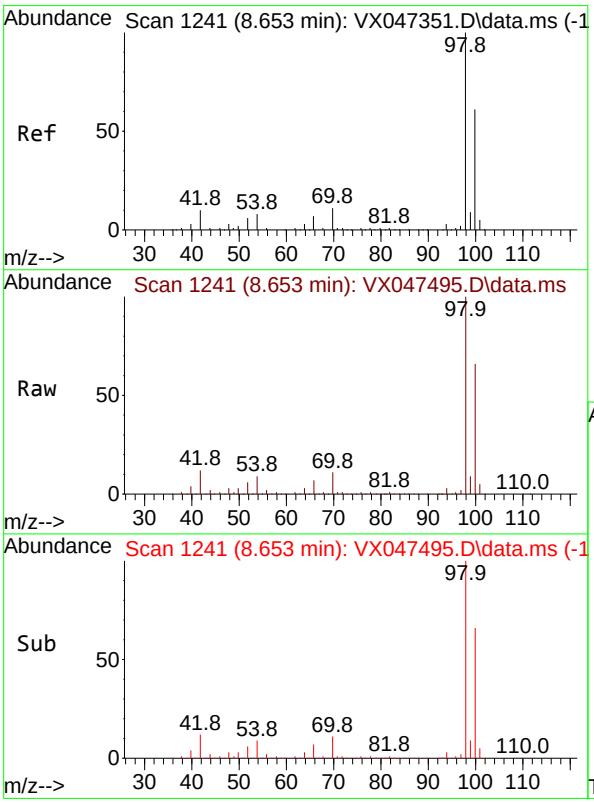
#35
Dibromofluoromethane
Concen: 51.746 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047495.D
Acq: 22 Aug 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
MW-17A-081925

Tgt Ion:113 Resp: 184773

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.2
192	18.4	14.1	21.1

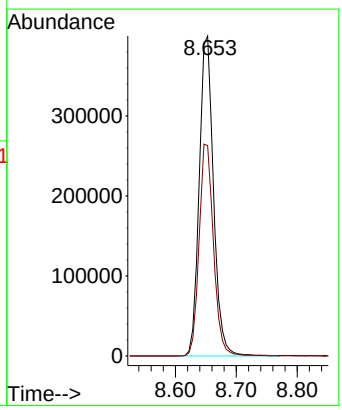


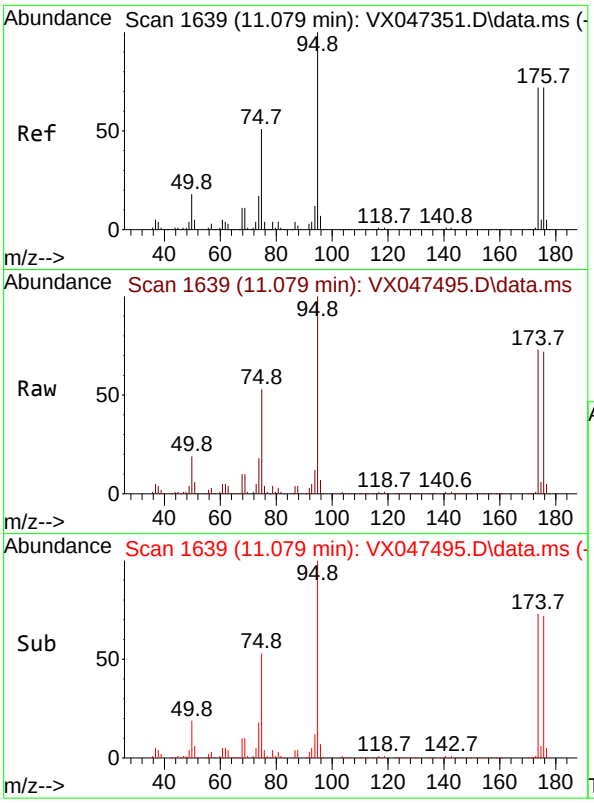


#50
Toluene-d8
Concen: 51.254 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047495.D
Acq: 22 Aug 2025 14:19

Tgt Ion: 98 Resp: 654147

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.9	80.9



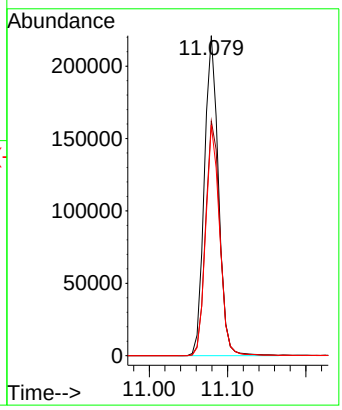


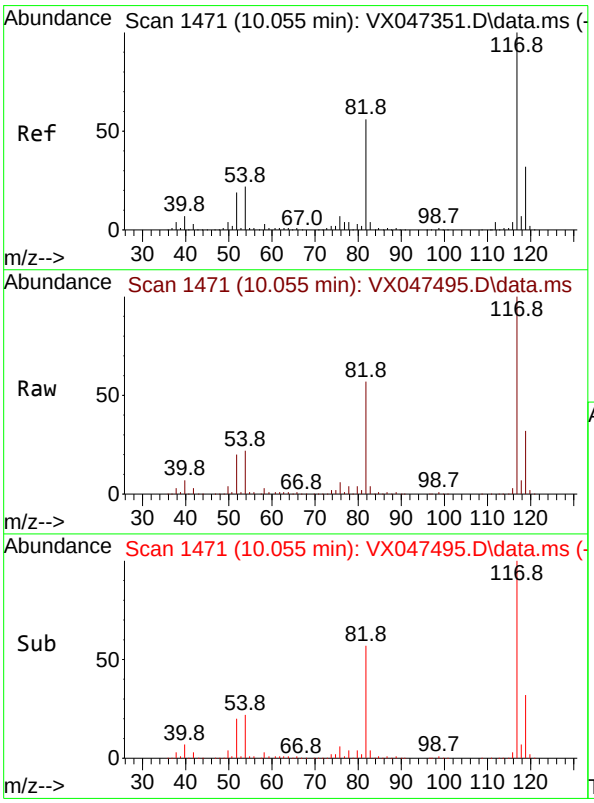
#62
4-Bromofluorobenzene
Concen: 58.553 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047495.D
Acq: 22 Aug 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
MW-17A-081925

Tgt Ion: 95 Resp: 275771

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	148.0
176	71.5	0.0	145.4

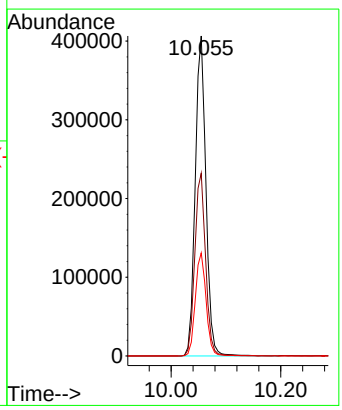


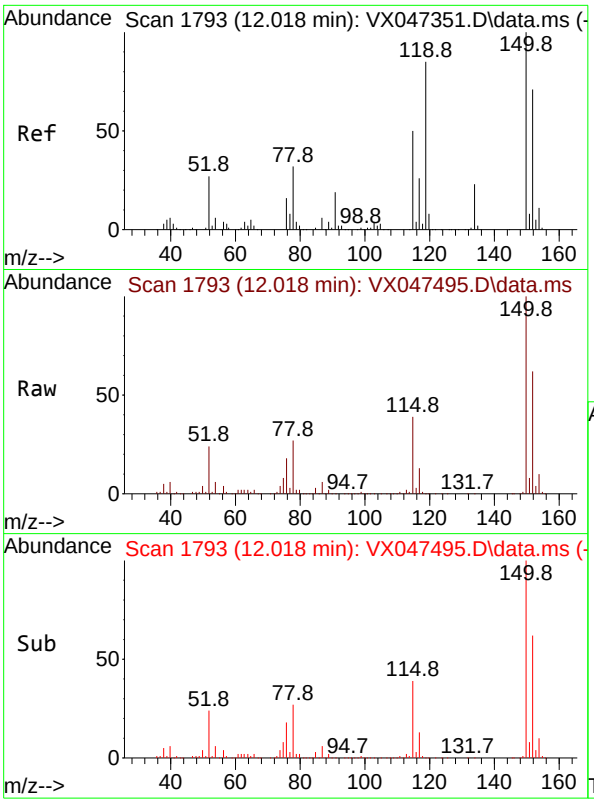


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047495.D
Acq: 22 Aug 2025 14:19

Tgt Ion:117 Resp: 553949

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.0	67.4
119	32.2	25.8	38.8



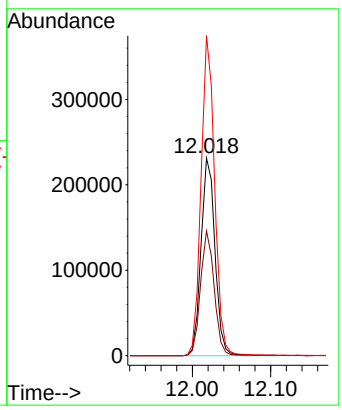


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047495.D
Acq: 22 Aug 2025 14:19

Instrument :
MSVOA_X
ClientSampleId :
MW-17A-081925

Tgt Ion:152 Resp: 286642

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.6	133.8
150	158.1	0.0	349.8



Sample Results: **VX047495.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047495.D
Acq On : 22 Aug 2025 14:19
Operator : JC/MD
Sample : Q2903-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17A-081925

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047495.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.270	24	30	87	rBV	1124573	3636716	100.00%	26.708%
2	5.397	694	707	725	rBV3	191054	613527	16.87%	4.506%
3	5.562	725	734	760	rVB	259404	816408	22.45%	5.996%
4	5.964	791	800	821	rBV	215566	628024	17.27%	4.612%
5	6.769	921	932	954	rBV	508682	1307029	35.94%	9.599%
6	8.653	1231	1241	1259	rBV	1056036	1764067	48.51%	12.955%
7	10.055	1465	1471	1491	rBV	1252652	1742787	47.92%	12.799%
8	11.079	1634	1639	1653	rBV	1058325	1317940	36.24%	9.679%
9	12.018	1788	1793	1806	rBV	1478668	1789915	49.22%	13.145%

Sum of corrected areas: 13616413

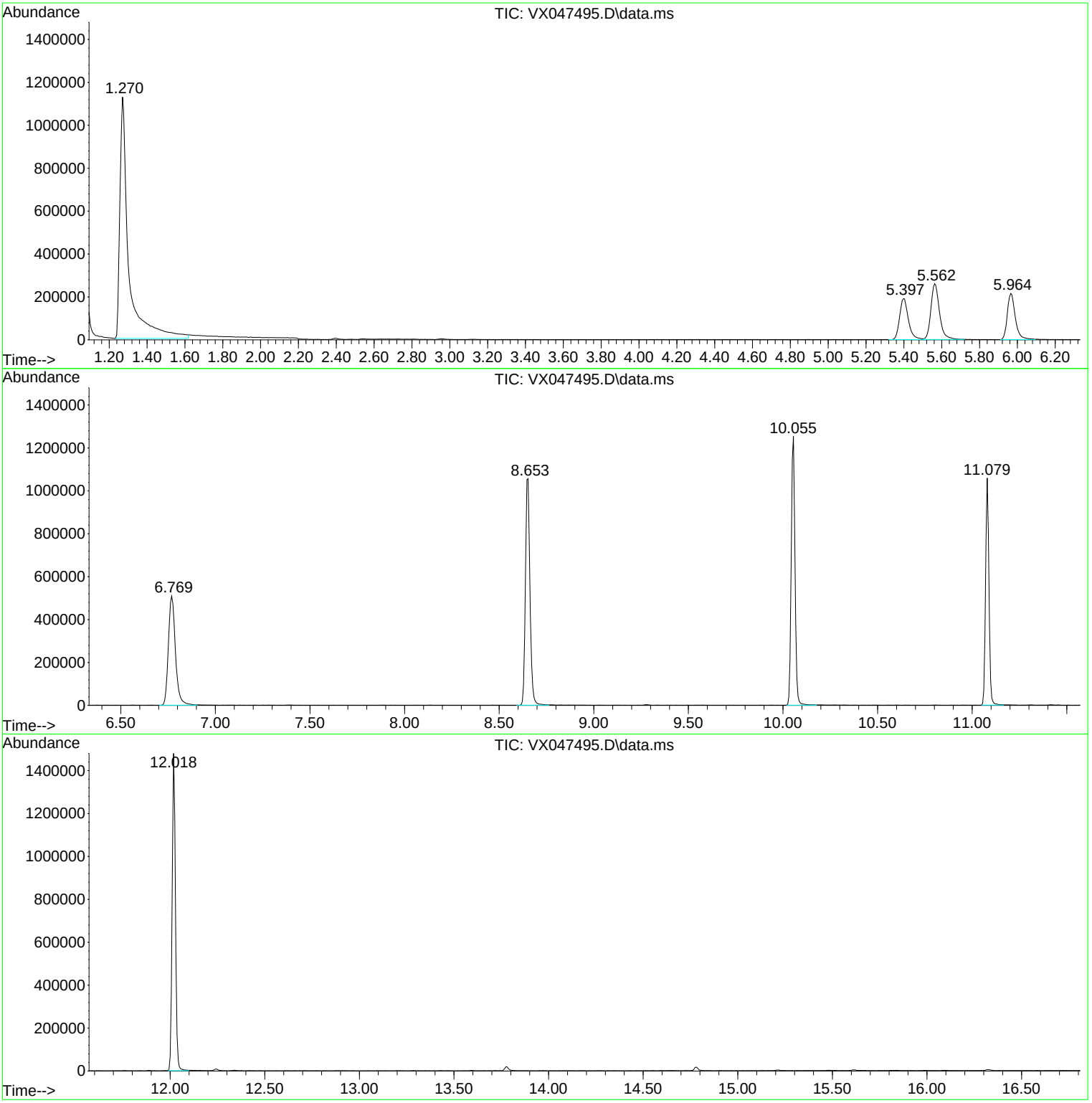
Sample Results: **VX047495.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047495.D
Acq On : 22 Aug 2025 14:19
Operator : JC/MD
Sample : Q2903-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17A-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047495.D
Acq On : 22 Aug 2025 14:19
Operator : JC/MD
Sample : Q2903-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17A-081925

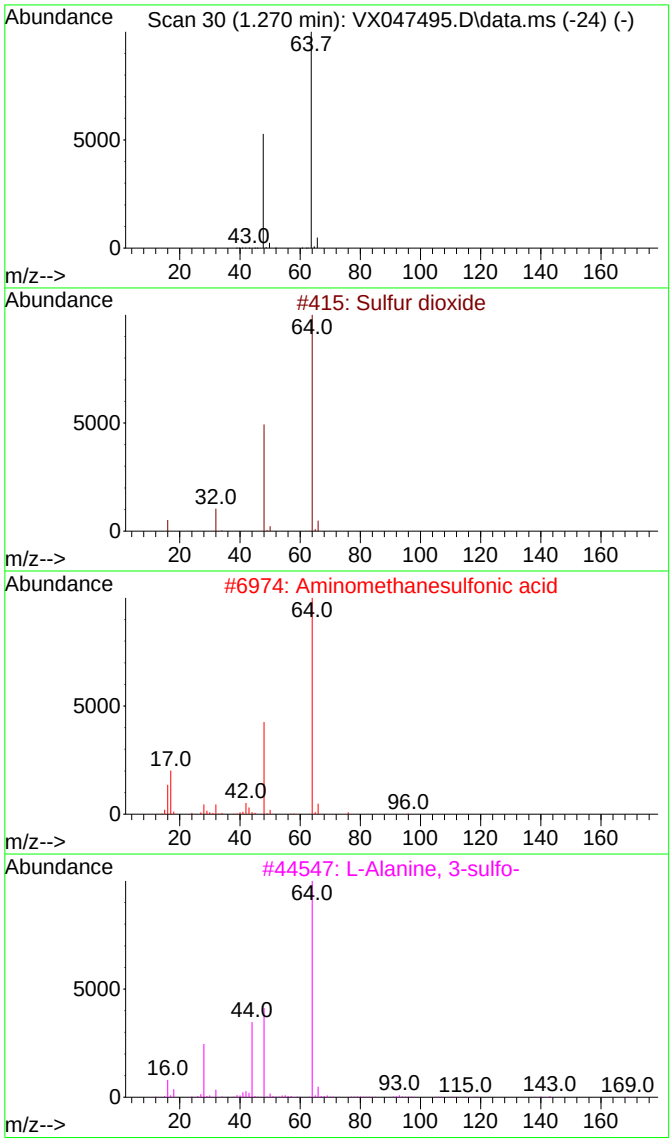
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

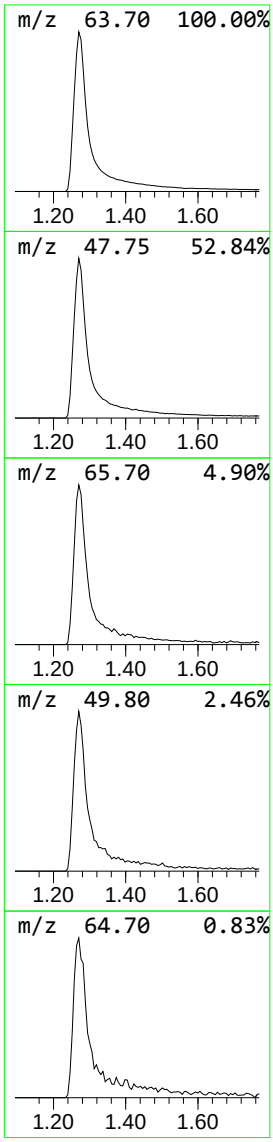
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.270	222.73 ug/l	3636720	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047495.D
Acq On : 22 Aug 2025 14:19
Operator : JC/MD
Sample : Q2903-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-17A-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.270	222.7	ug/l	3636720	1	5.562	816408	50.0

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-18A-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047496.D	1	08/22/25 14:40	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	34.0		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	1.50	J	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.45	J	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	0.31	J	0.16	5.00	ug/L
71-43-2	Benzene	25.3		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	7.40		0.14	5.00	ug/L

Raw Data: **VX047496.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-18A-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047496.D	1	08/22/25 14:40	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	11.7		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	17.1		0.24	10.0	ug/L
95-47-6	o-Xylene	13.0		0.12	5.00	ug/L
100-42-5	Styrene	2.60	J	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	1.30	J	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	48.5		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	199000	5.562			
540-36-3	1,4-Difluorobenzene	404000	6.769			
3114-55-4	Chlorobenzene-d5	399000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	211000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047496.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-18A-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-11	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047496.D	1	08/22/25 14:40	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	270	J		1.27	ug/L
103-65-1	n-propylbenzene	1.70	J		11.3	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	13.0	J		11.4	ug/L
108-67-8	1,3,5-Trimethylbenzene	7.10	J		11.5	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	7.20	J		11.6	ug/L
95-63-6	1,2,4-Trimethylbenzene	22.4	J		11.8	ug/L
000526-73-8	Benzene, 1,2,3-trimethyl-	10.1	J		12.1	ug/L
000496-11-7	Indane	21.9	J		12.2	ug/L
000095-13-6	Indene	9.60	J		12.4	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	9.20	J		13.3	ug/L

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\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Quant Time: Aug 25 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

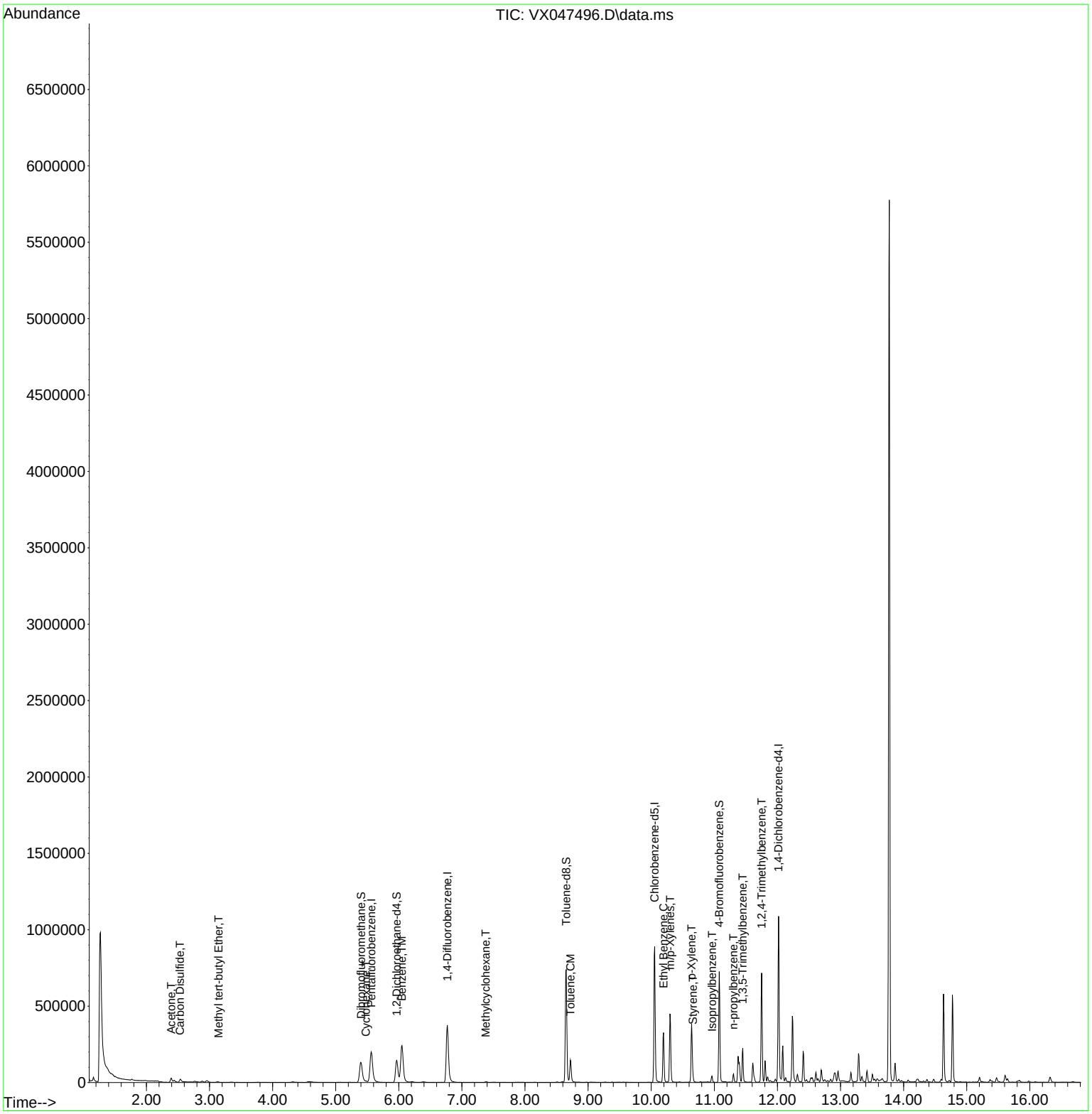
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.562	168	199275	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.769	114	403908	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	398616	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	210868	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.964	65	152353	54.628	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.260%				
35) Dibromofluoromethane	5.403	113	130650	49.840	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%				
50) Toluene-d8	8.653	98	454304	48.487	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.980%				
62) 4-Bromofluorobenzene	11.079	95	191142	55.282	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.560%				
Target Compounds							Qvalue
16) Acetone	2.392	43	35682	34.038	ug/l		96
17) Carbon Disulfide	2.532	76	11323	1.496	ug/l		99
19) Methyl tert-butyl Ether	3.142	73	3440	0.451	ug/l	#	75
31) Cyclohexane	5.477	56	3138	0.699	ug/l	#	86
39) Methylcyclohexane	7.379	83	1574	0.305	ug/l	#	82
40) Benzene	6.050	78	312949	25.266	ug/l		99
52) Toluene	8.720	92	56330	7.360	ug/l		99
67) Ethyl Benzene	10.195	91	191385	11.739	ug/l		99
68) m/p-Xylenes	10.299	106	104028	17.112	ug/l		98
69) o-Xylene	10.640	106	76267	13.036	ug/l		99
70) Styrene	10.659	104	25441	2.574	ug/l	#	57
73) Isopropylbenzene	10.963	105	21162	1.282	ug/l		98
78) n-propylbenzene	11.305	91	33641	1.707	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	96424	7.102	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	303775	22.373	ug/l		99

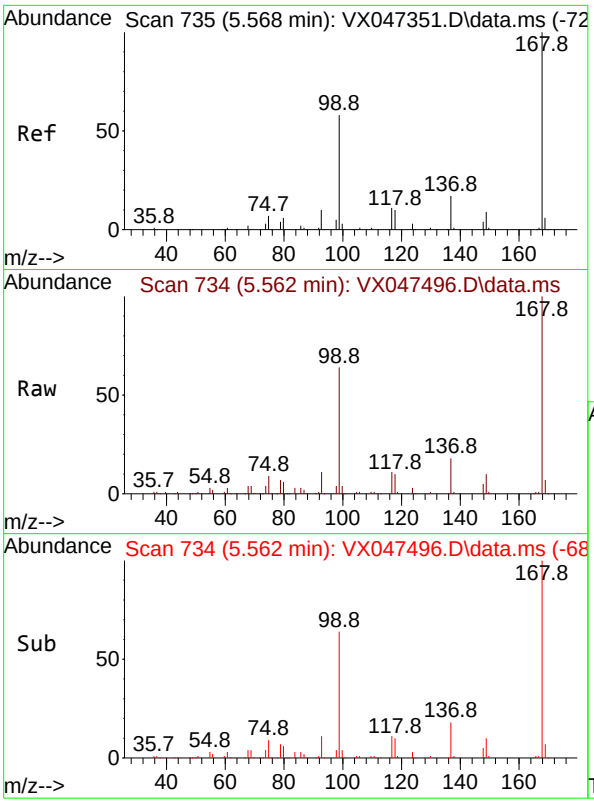
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Quant Time: Aug 25 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



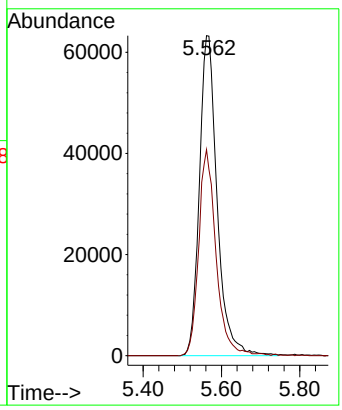


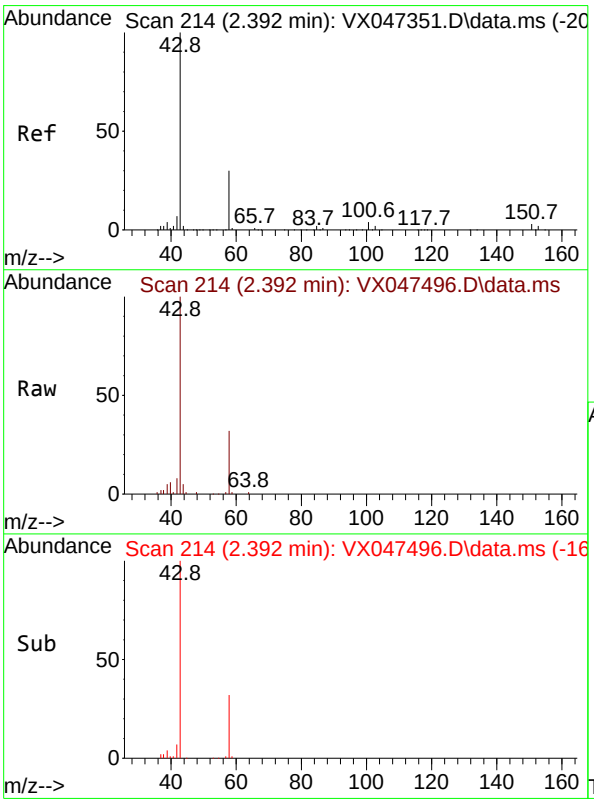
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion:168 Resp: 199275

Ion	Ratio	Lower	Upper
168	100		
99	64.4	47.9	71.9

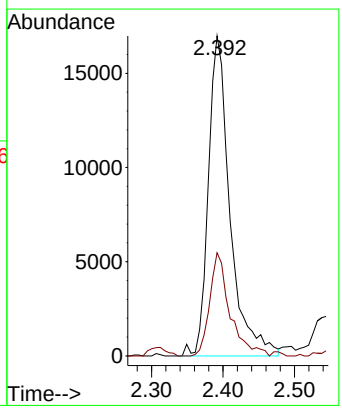


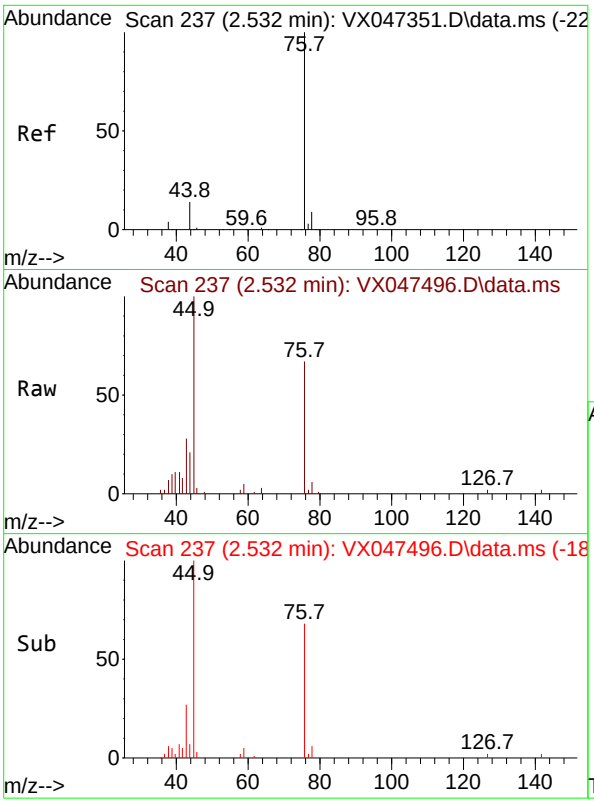


#16
Acetone
Concen: 34.038 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion: 43 Resp: 35682

Ion	Ratio	Lower	Upper
43	100		
58	33.0	24.8	37.2



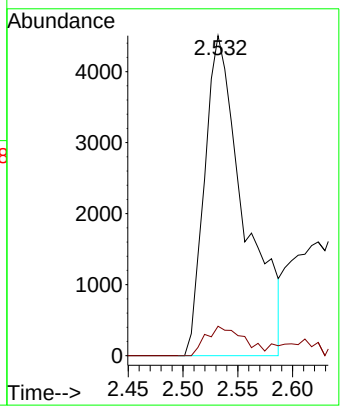


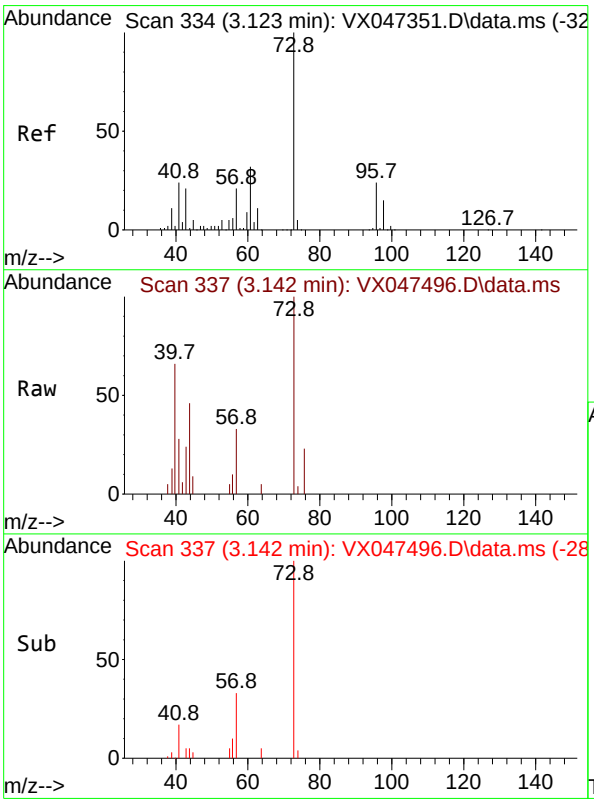
#17
Carbon Disulfide
Concen: 1.496 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion: 76 Resp: 11323

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.2	10.8

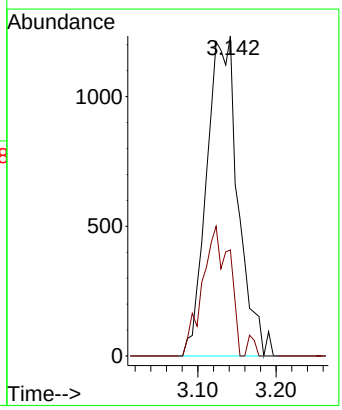


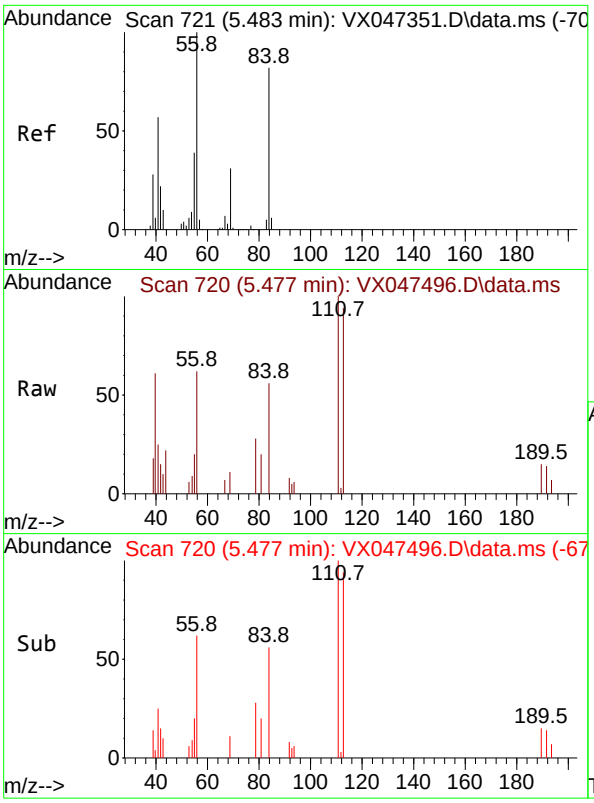


#19
Methyl tert-butyl Ether
Concen: 0.451 ug/l
RT: 3.142 min Scan# 337
Delta R.T. 0.018 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion: 73 Resp: 3440

Ion	Ratio	Lower	Upper
73	100		
57	33.1	17.0	25.6#



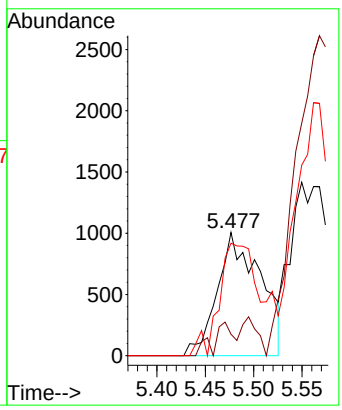


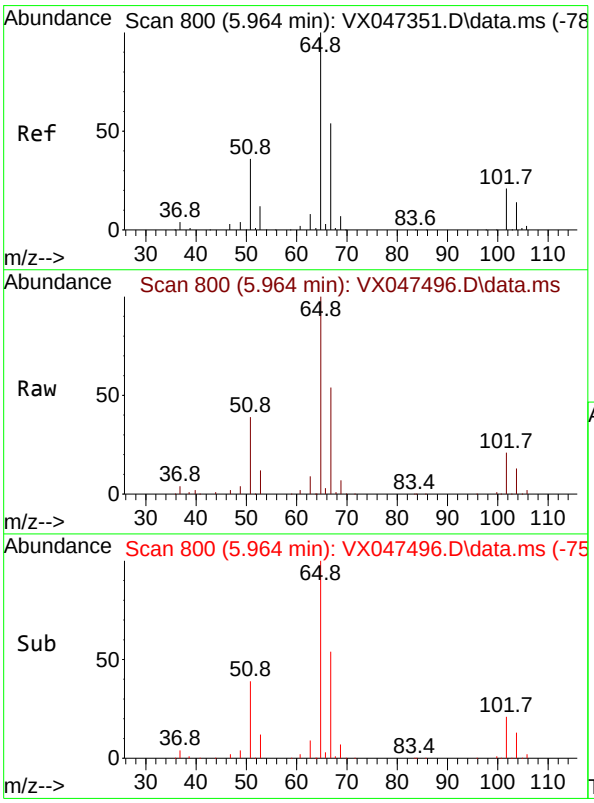
#31
Cyclohexane
Concen: 0.699 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion: 56 Resp: 3138

Ion	Ratio	Lower	Upper
56	100		
69	17.4	24.3	36.5#
84	91.4	65.3	97.9

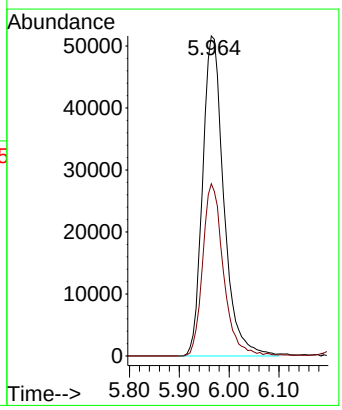


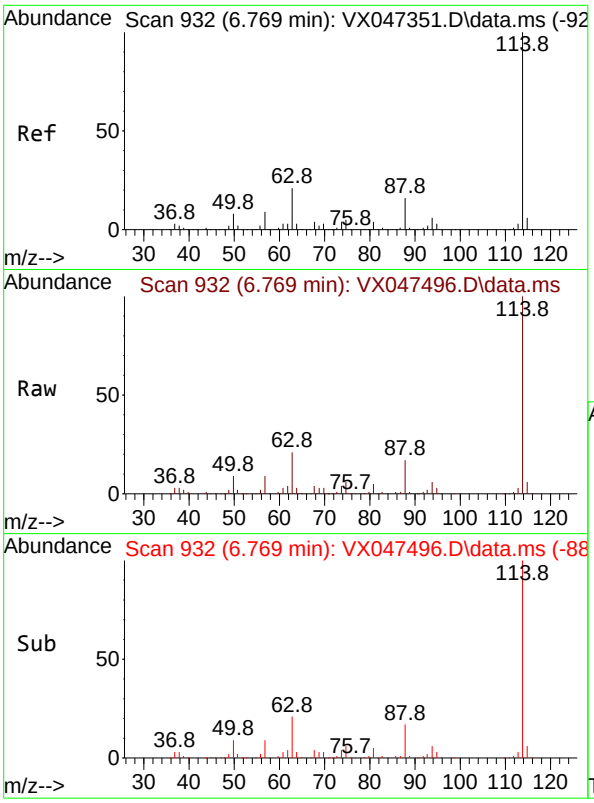


#33
1,2-Dichloroethane-d4
Concen: 54.628 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion: 65 Resp: 152353

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.0



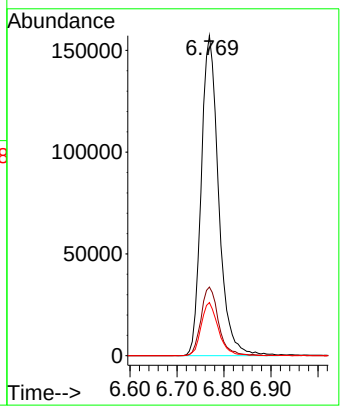


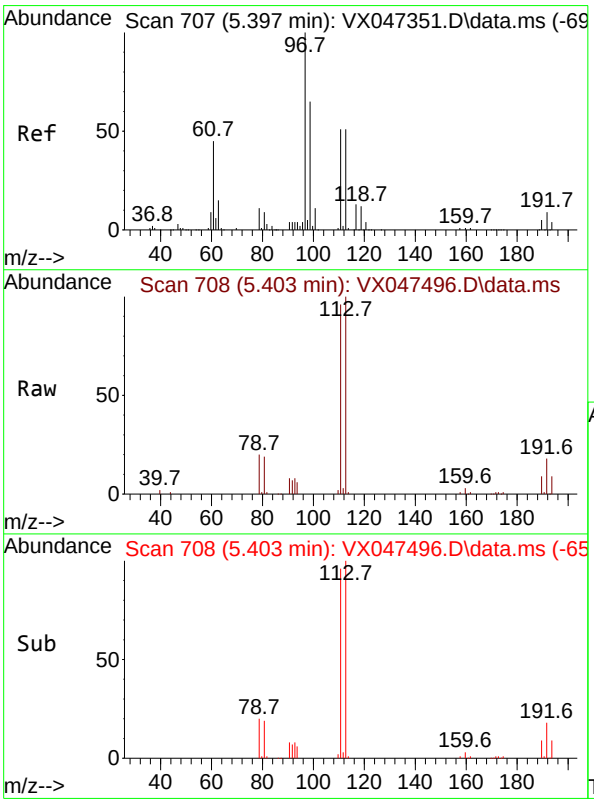
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion:114 Resp: 403908

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	42.4
88	16.6	0.0	33.0

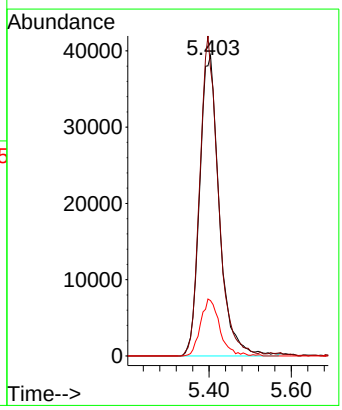


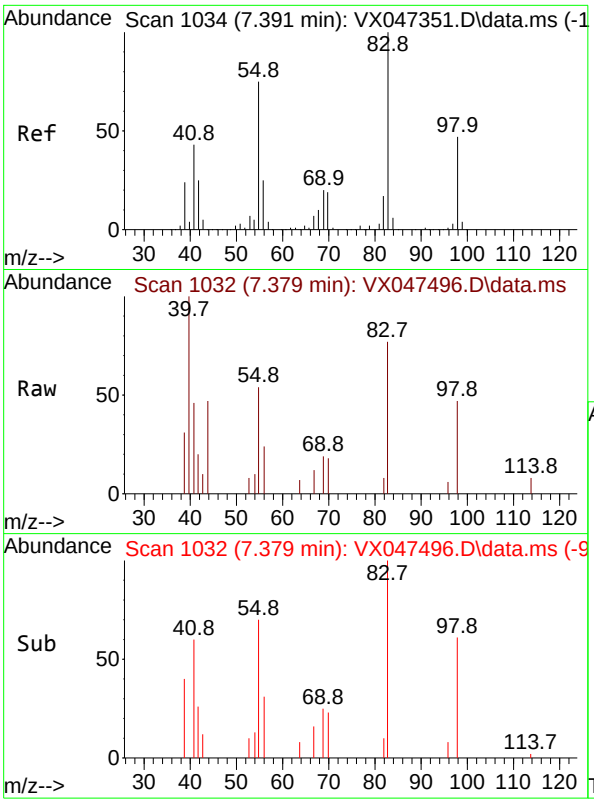


#35
Dibromofluoromethane
Concen: 49.840 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion:113 Resp: 130650

Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.4	122.2
192	18.4	14.1	21.1



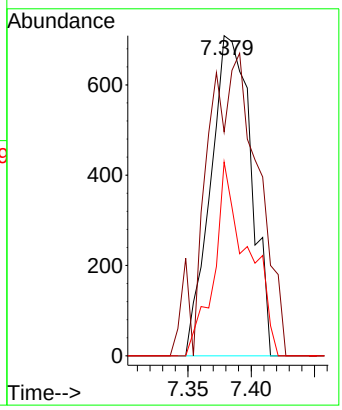


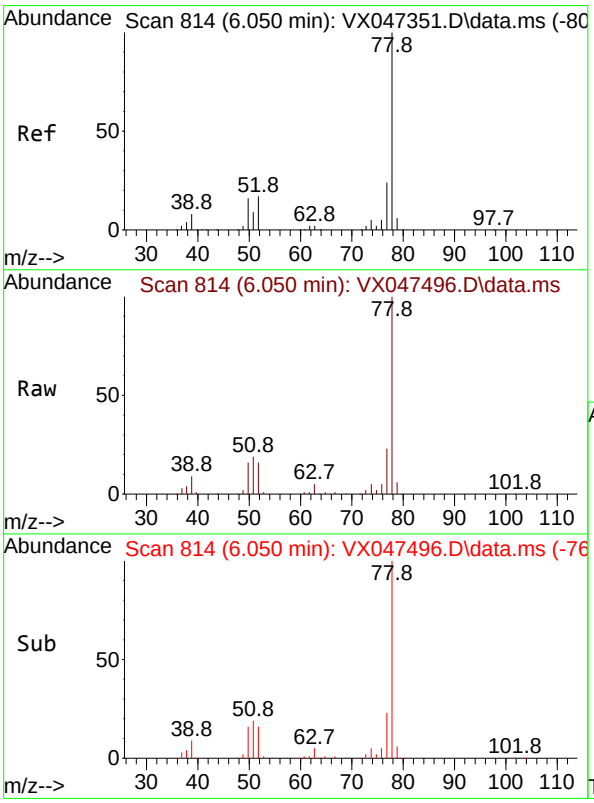
#39
Methylcyclohexane
Concen: 0.305 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.012 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion: 83 Resp: 1574

Ion	Ratio	Lower	Upper
83	100		
55	61.5	60.0	90.0
98	60.5	37.2	55.8#

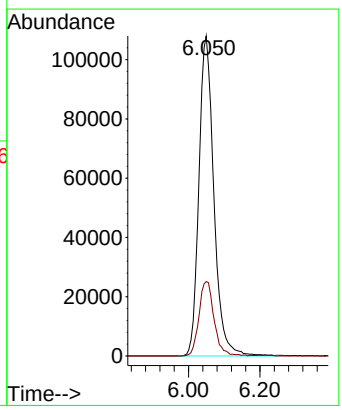


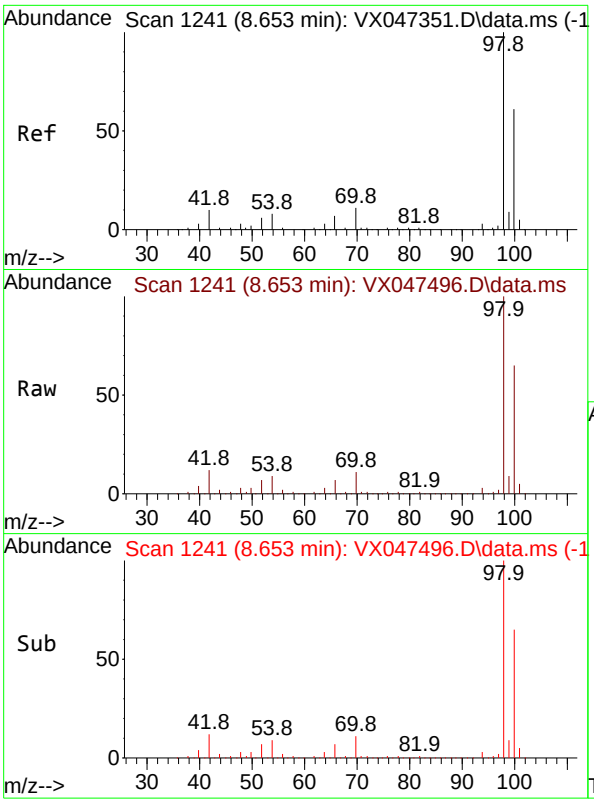


#40
Benzene
Concen: 25.266 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion: 78 Resp: 312949

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4



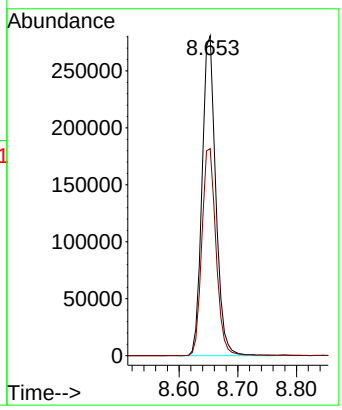


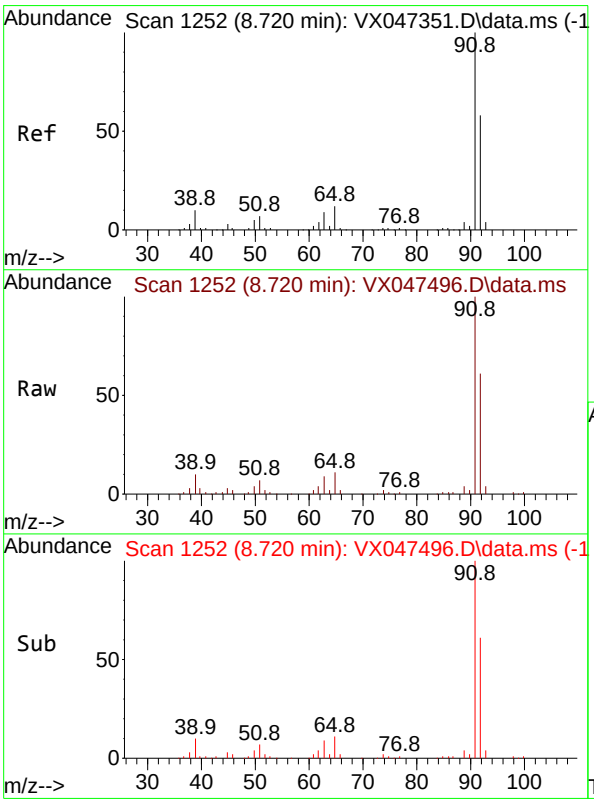
#50
Toluene-d8
Concen: 48.487 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion: 98 Resp: 454304

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.9	80.9

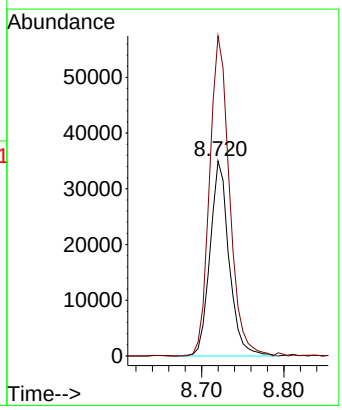


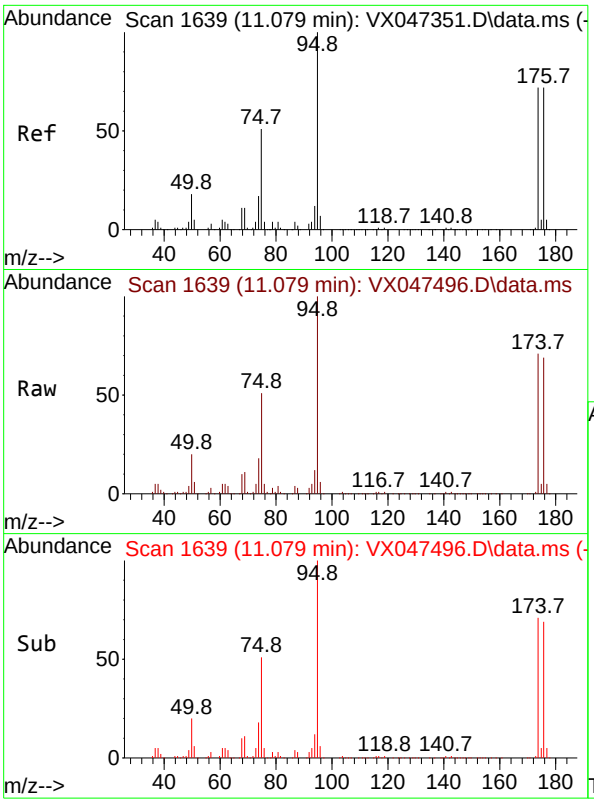


#52
Toluene
Concen: 7.360 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion: 92 Resp: 56330

Ion	Ratio	Lower	Upper
92	100		
91	171.6	136.3	204.5



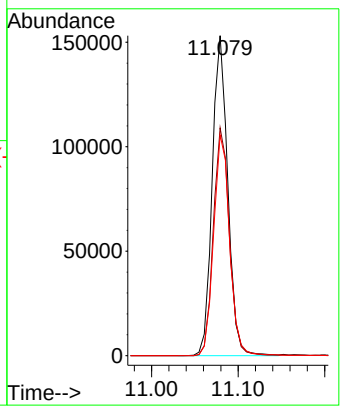


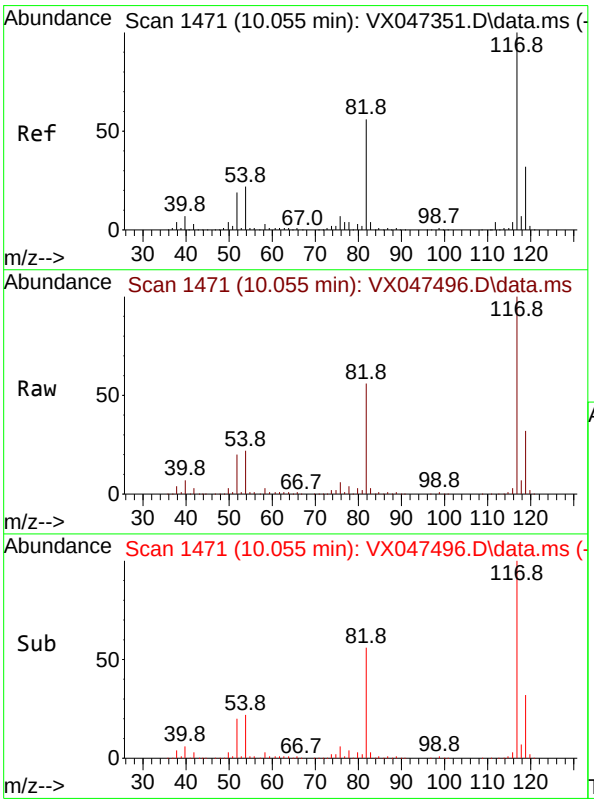
#62
4-Bromofluorobenzene
Concen: 55.282 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion: 95 Resp: 191142

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	148.0
176	71.1	0.0	145.4

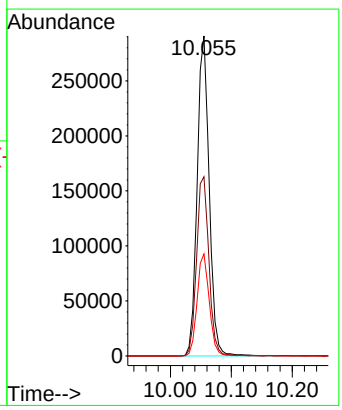


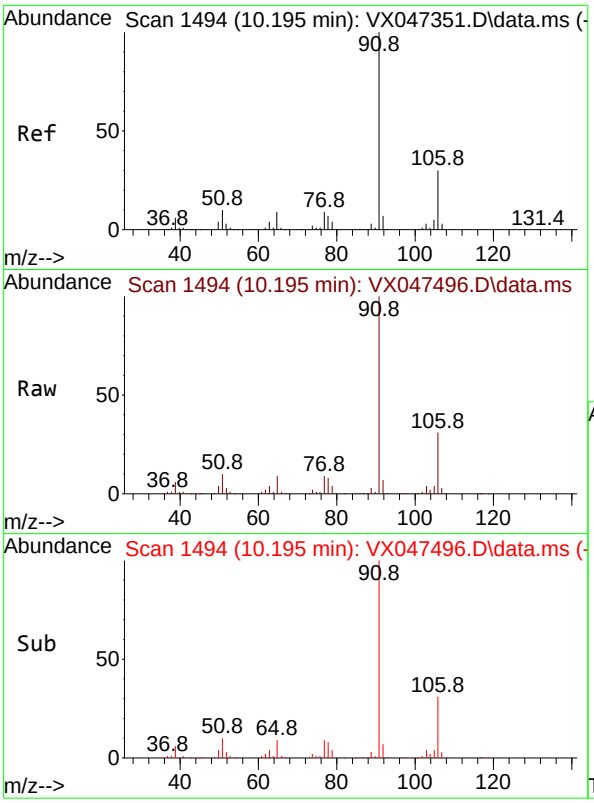


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion:117 Resp: 398616

Ion	Ratio	Lower	Upper
117	100		
82	56.0	45.0	67.4
119	31.9	25.8	38.8



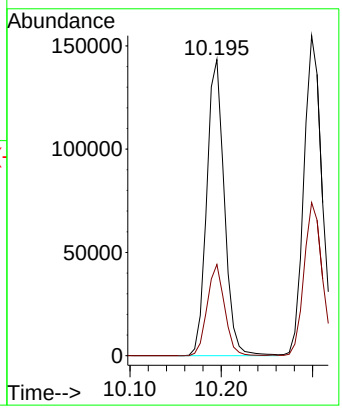


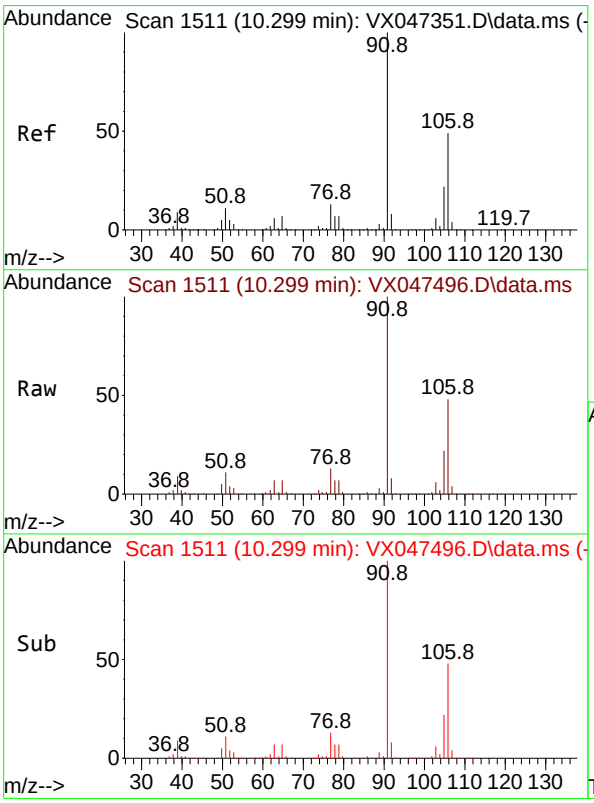
#67
Ethyl Benzene
Concen: 11.739 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion: 91 Resp: 191385

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.4	36.6

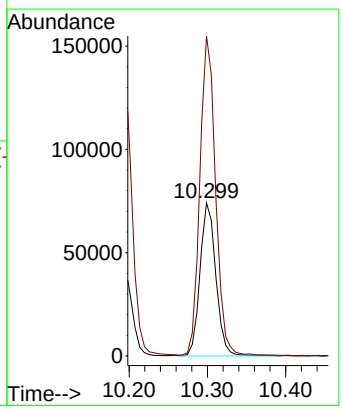


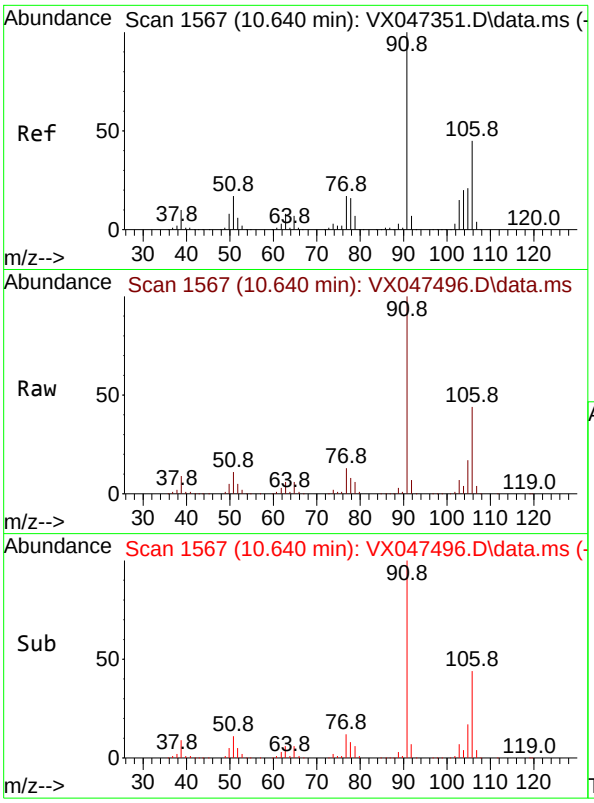


#68
m/p-Xylenes
Concen: 17.112 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion:106 Resp: 104028

Ion	Ratio	Lower	Upper
106	100		
91	208.4	164.7	247.1



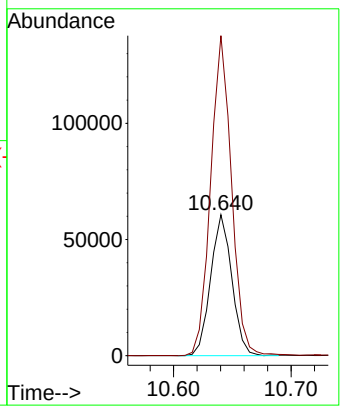


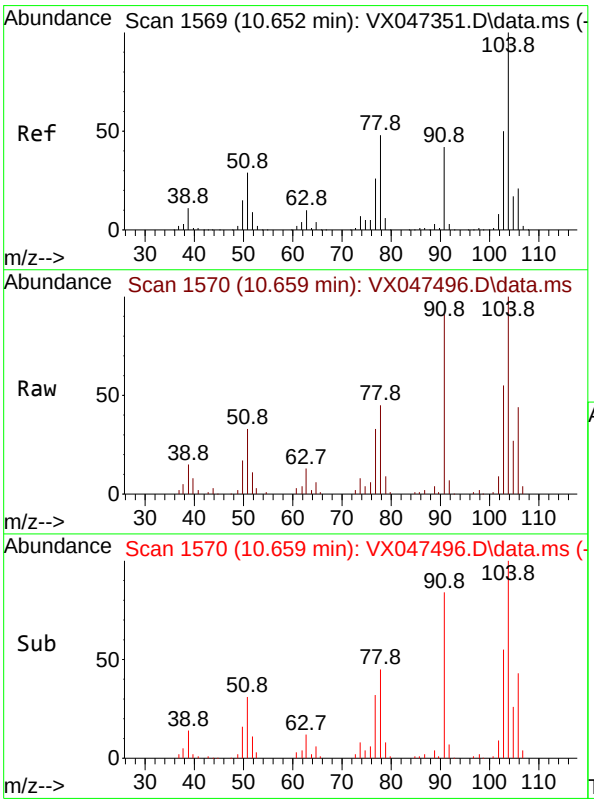
#69
o-Xylene
Concen: 13.036 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion:106 Resp: 76267

Ion	Ratio	Lower	Upper
106	100		
91	223.3	110.6	331.8

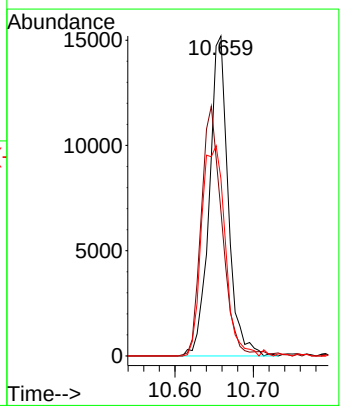


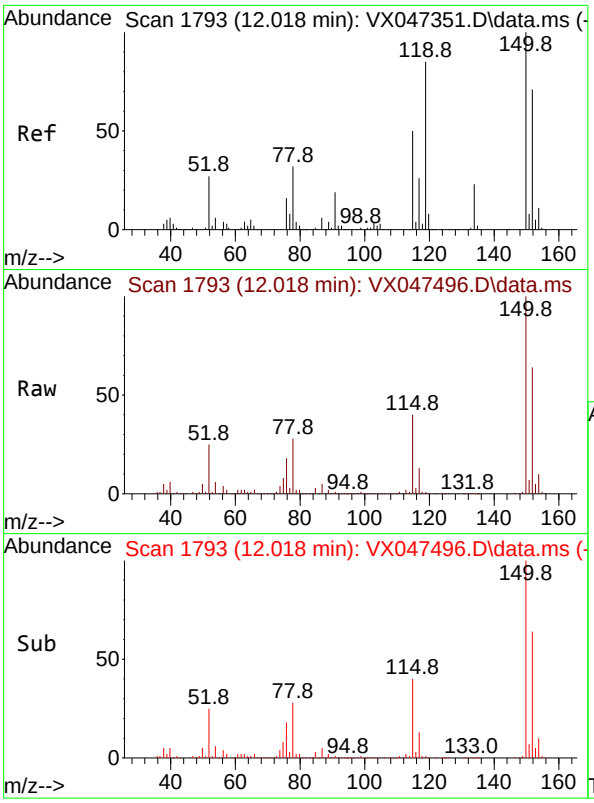


#70
Styrene
Concen: 2.574 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion:104 Resp: 25441

Ion	Ratio	Lower	Upper
104	100		
78	86.1	41.8	62.8#
103	81.9	43.6	65.4#



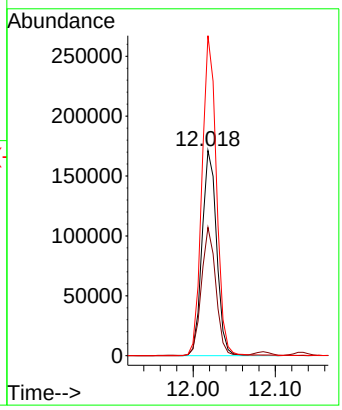


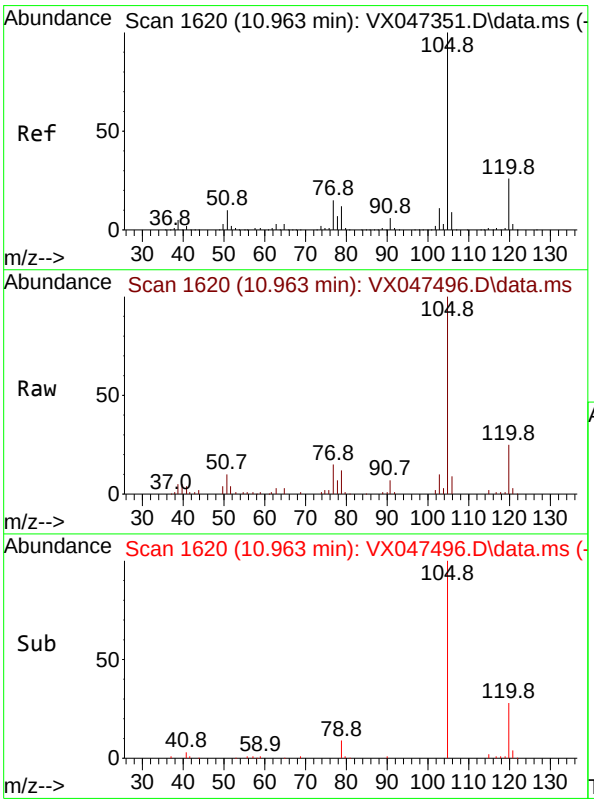
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion:152 Resp: 210868

Ion	Ratio	Lower	Upper
152	100		
115	61.6	44.6	133.8
150	154.9	0.0	349.8

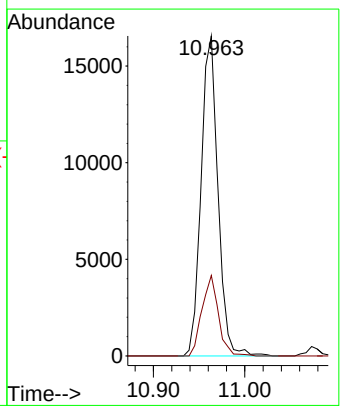


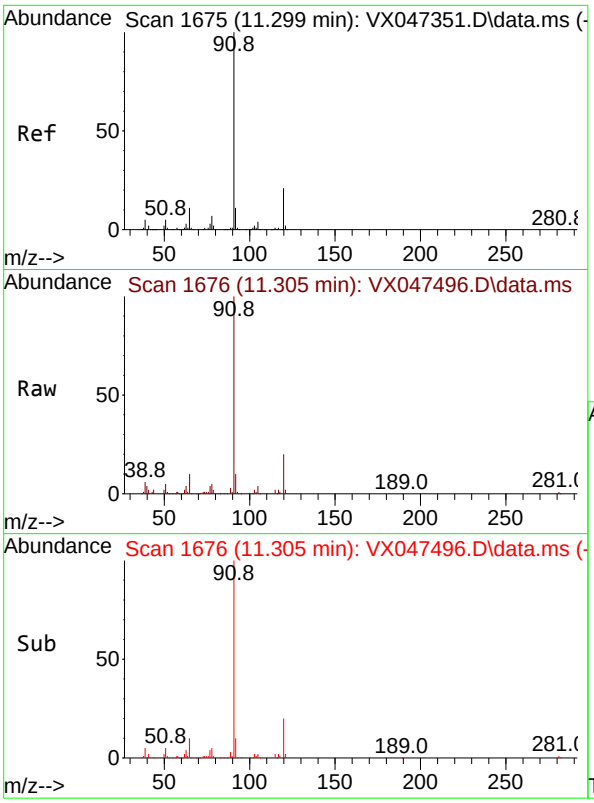


#73
Isopropylbenzene
Concen: 1.282 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion:105 Resp: 21162

Ion	Ratio	Lower	Upper
105	100		
120	24.6	12.9	38.6



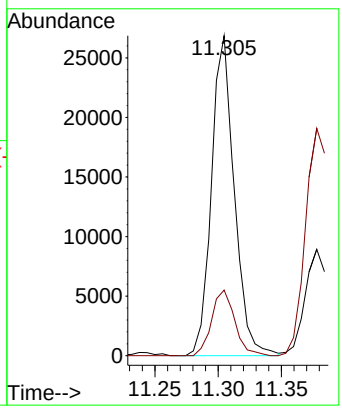


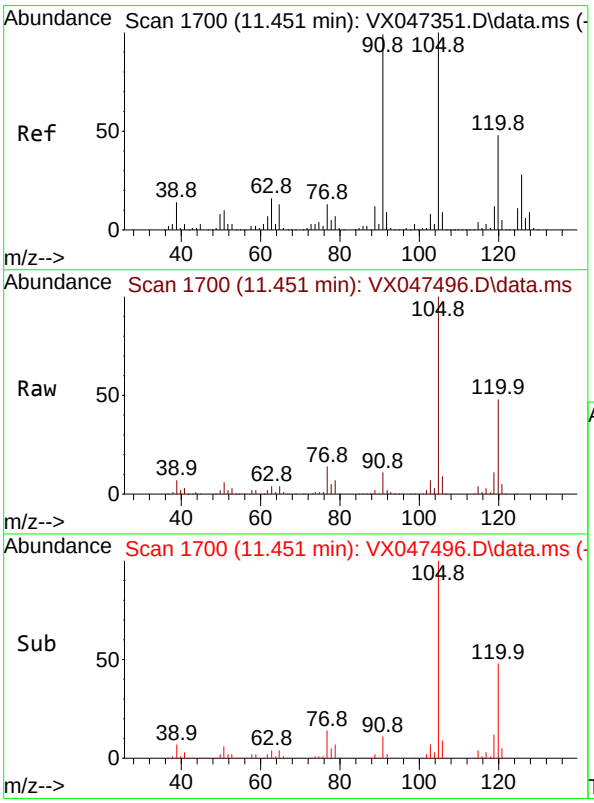
#78
n-propylbenzene
Concen: 1.707 ug/l
RT: 11.305 min Scan# 1(
Delta R.T. 0.006 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion: 91 Resp: 33641

Ion	Ratio	Lower	Upper
91	100		
120	20.8	11.0	33.0

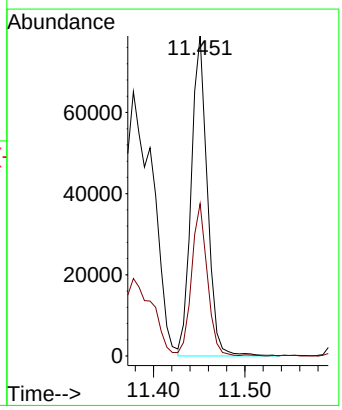


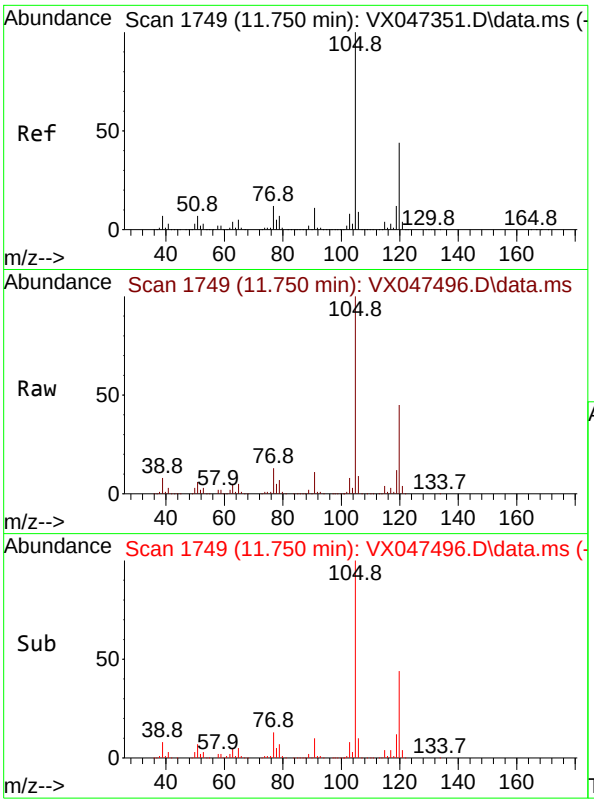


#80
1,3,5-Trimethylbenzene
Concen: 7.102 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Tgt Ion:105 Resp: 96424

Ion	Ratio	Lower	Upper
105	100		
120	45.9	23.9	71.7



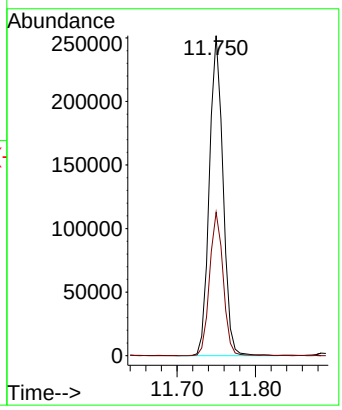


#84
1,2,4-Trimethylbenzene
Concen: 22.373 ug/l
RT: 11.750 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047496.D
Acq: 22 Aug 2025 14:40

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Tgt Ion:105 Resp: 303775

Ion	Ratio	Lower	Upper
105	100		
120	44.6	21.9	65.7



LSC Area Percent Report

Sample Results: **VX047496.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047496.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.270	24	30	67	rBV	975172	3315657	45.09%	12.848%
2	5.397	695	707	725	rBV3	130847	437598	5.95%	1.696%
3	5.562	725	734	753	rVB	198378	611061	8.31%	2.368%
4	5.964	790	800	807	rBV	143812	402481	5.47%	1.560%
5	6.050	807	814	832	rVB	239150	692336	9.41%	2.683%
6	6.769	923	932	955	rBV	374413	964147	13.11%	3.736%
7	8.653	1234	1241	1247	rBV	735381	1210797	16.47%	4.692%
8	8.720	1247	1252	1261	rVB	141705	236219	3.21%	0.915%
9	10.055	1465	1471	1486	rBV	888574	1249614	16.99%	4.842%
10	10.195	1488	1494	1503	rVV	323953	438970	5.97%	1.701%
11	10.299	1505	1511	1522	rVV	446988	618857	8.42%	2.398%
12	10.640	1562	1567	1583	rVB	382010	544177	7.40%	2.109%
13	11.079	1633	1639	1650	rBV	724838	922931	12.55%	3.576%
14	11.378	1683	1688	1696	rVV	170175	350939	4.77%	1.360%
15	11.451	1696	1700	1713	rVB	223956	280448	3.81%	1.087%
16	11.610	1721	1726	1735	rBV	127203	192735	2.62%	0.747%
17	11.750	1739	1749	1754	rBV	715356	867842	11.80%	3.363%
18	11.805	1754	1758	1762	rBV	133813	155943	2.12%	0.604%
19	12.018	1788	1793	1800	rBV	1082121	1345182	18.29%	5.213%
20	12.085	1800	1804	1808	rVB	229994	271047	3.69%	1.050%
21	12.238	1822	1829	1838	rBV	431081	587886	7.99%	2.278%
22	12.408	1852	1857	1862	rBV	201457	257916	3.51%	0.999%
23	12.609	1884	1890	1893	rBV	60565	74488	1.01%	0.289%
24	12.695	1900	1904	1910	rBV2	75648	103324	1.41%	0.400%
25	12.908	1932	1939	1944	rBV4	57827	127801	1.74%	0.495%
26	12.963	1944	1948	1955	rVB2	66332	93209	1.27%	0.361%
27	13.164	1977	1981	1991	rVB	61528	84437	1.15%	0.327%
28	13.286	1997	2001	2006	rBV2	182122	248512	3.38%	0.963%
29	13.420	2018	2023	2029	rVB2	73609	100849	1.37%	0.391%
30	13.774	2075	2081	2090	rBV	5768241	7353716	100.00%	28.496%
31	13.865	2090	2096	2102	rVB	118116	155297	2.11%	0.602%
32	14.633	2218	2222	2232	rVB	575407	704161	9.58%	2.729%
33	14.774	2240	2245	2254	rBV	570316	727895	9.90%	2.821%
34	15.609	2374	2382	2386	rBV	45250	78066	1.06%	0.303%

Sum of corrected areas: 25806538

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

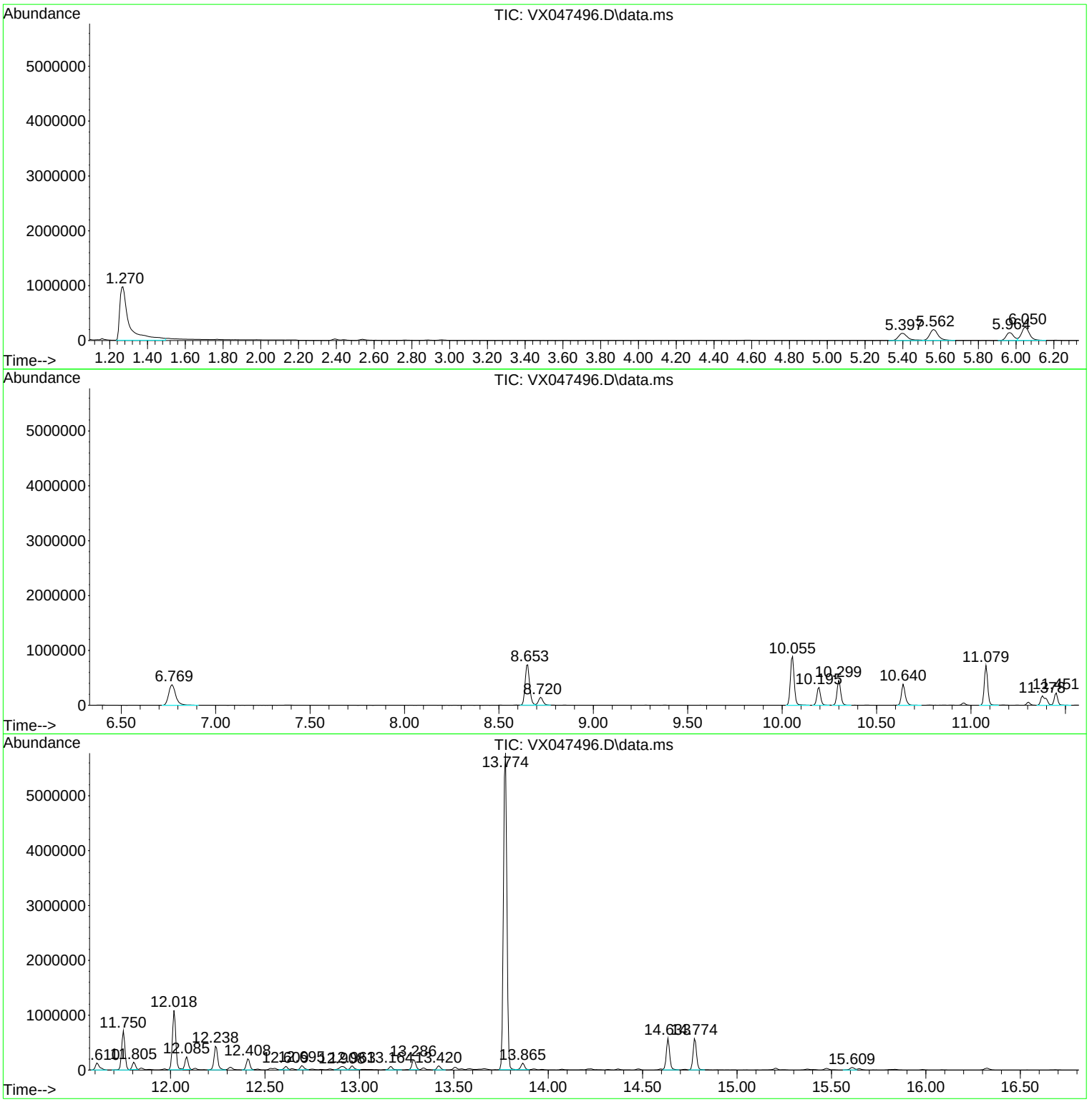
Sample Results: **VX047496.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

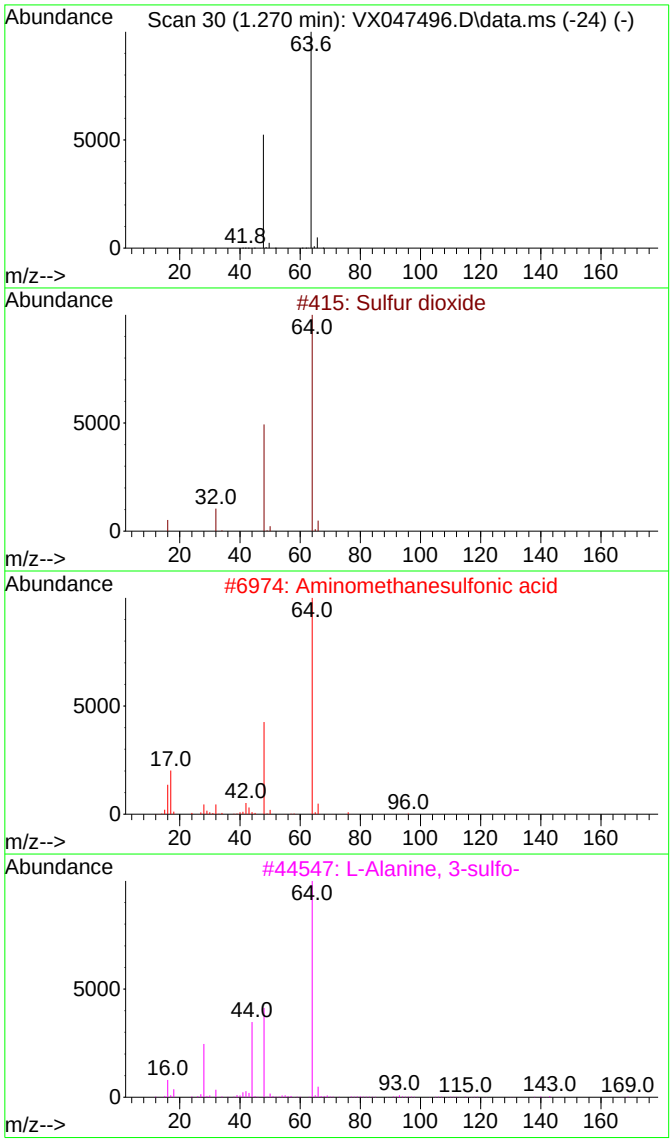
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

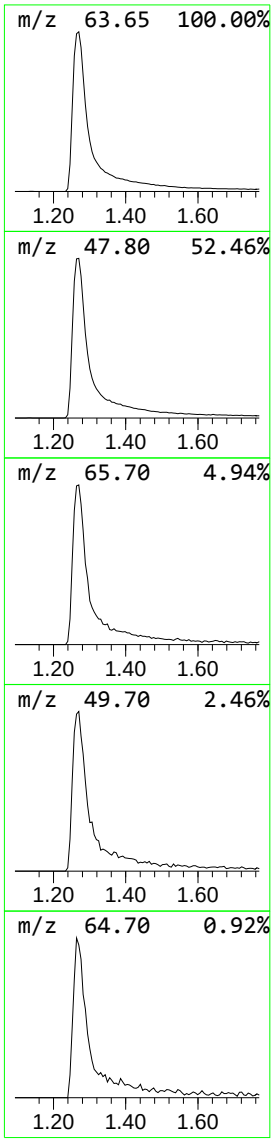
****

Peak Number 1 Sulfur dioxide Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.270	271.30 ug/l	3315660	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

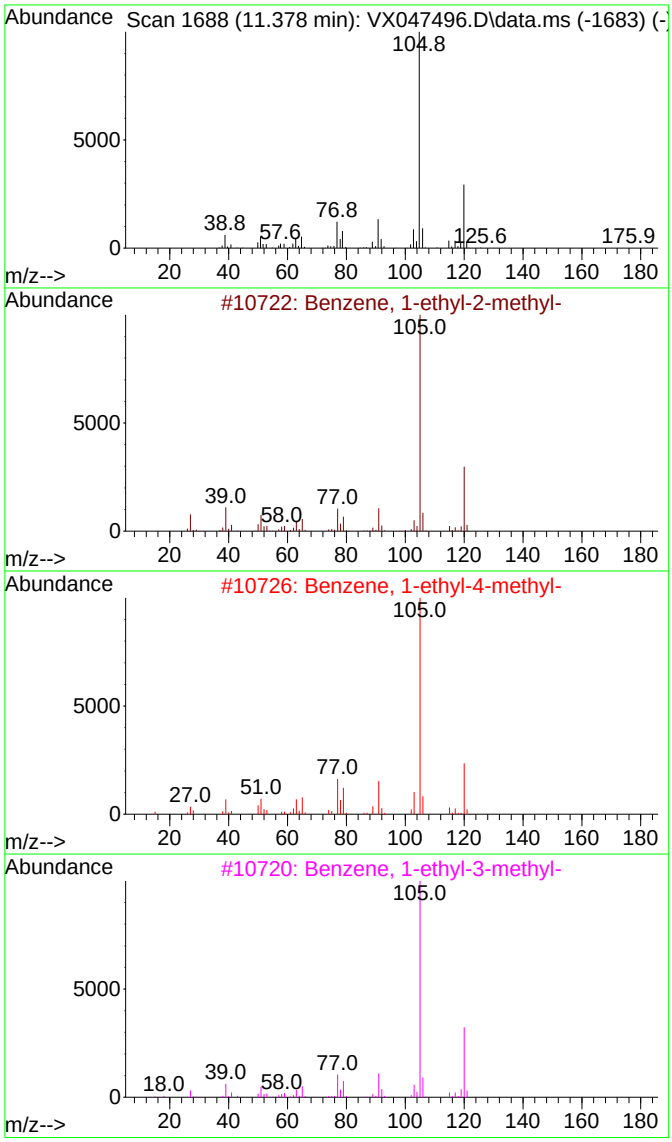
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

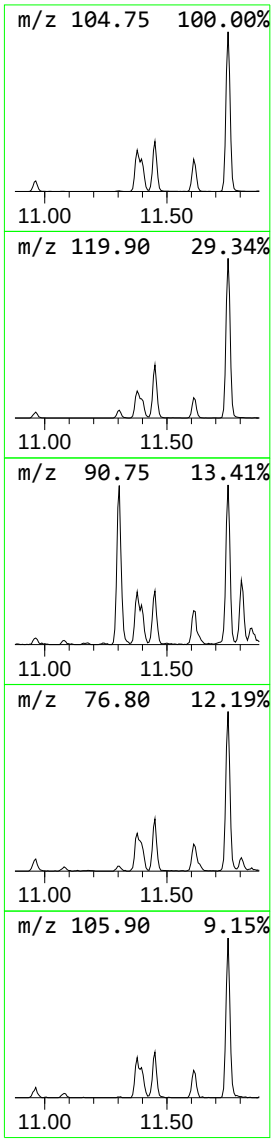
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Benzene, 1-ethyl-2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.378	13.04 ug/l	350939	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
4	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5	Mesitylene	120	C9H12	000108-67-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

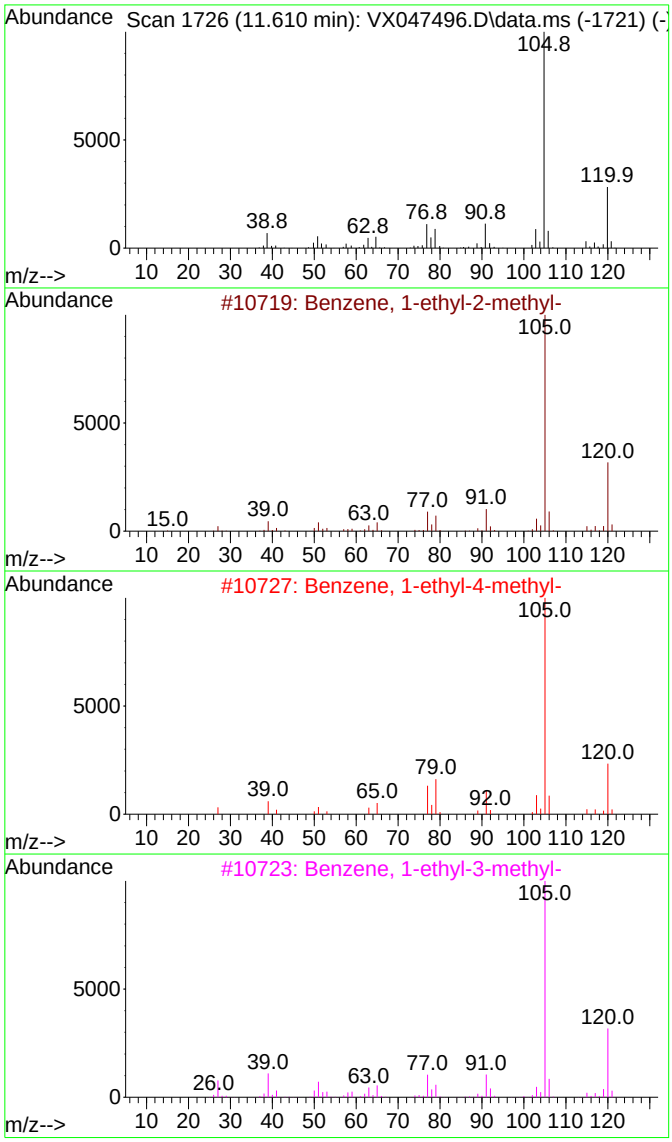
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

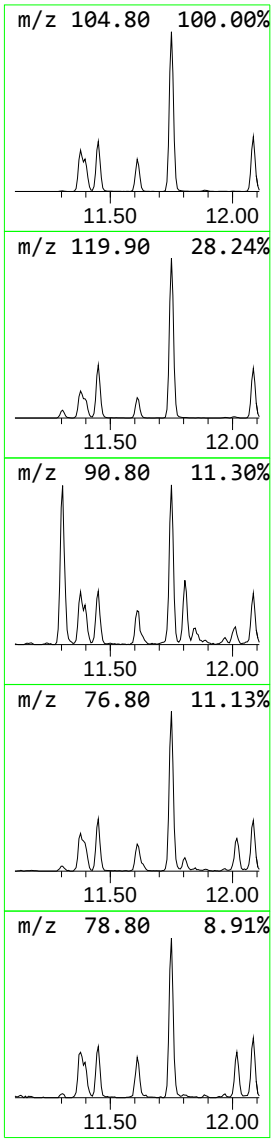
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 Benzene, 1-ethyl-4-methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.610	7.16 ug/l	192735	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	90
4	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	90
5	Mesitylene	120	C9H12	000108-67-8	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

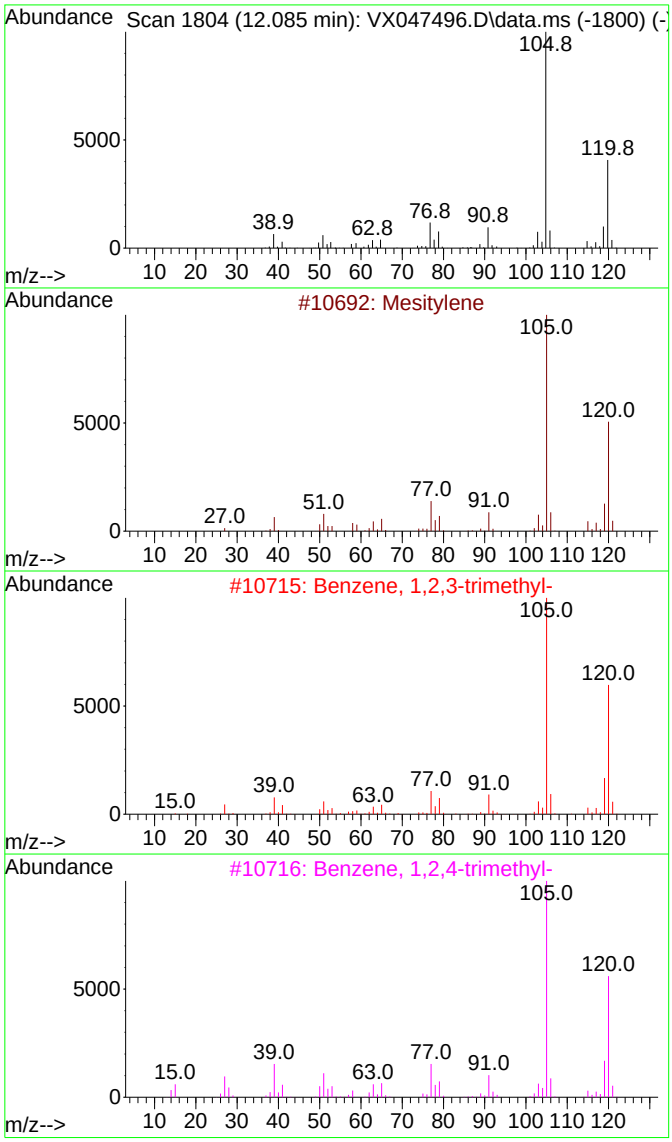
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

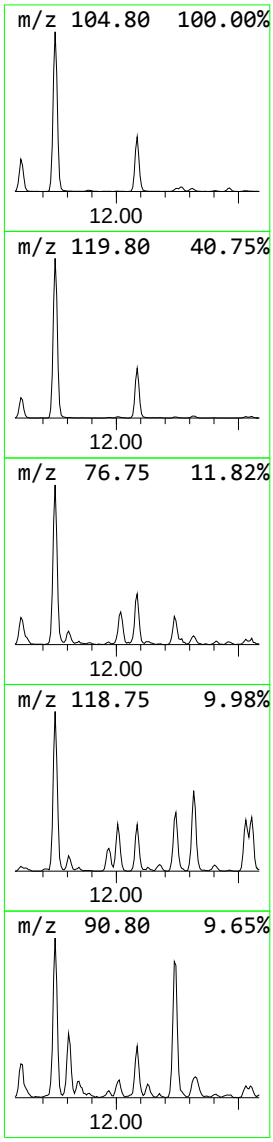
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Benzene, 1,2,3-trimethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.085	10.07 ug/l	271047	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Mesitylene	120	C9H12	000108-67-8	95
2	Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	95
3	Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91
4	Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5	Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

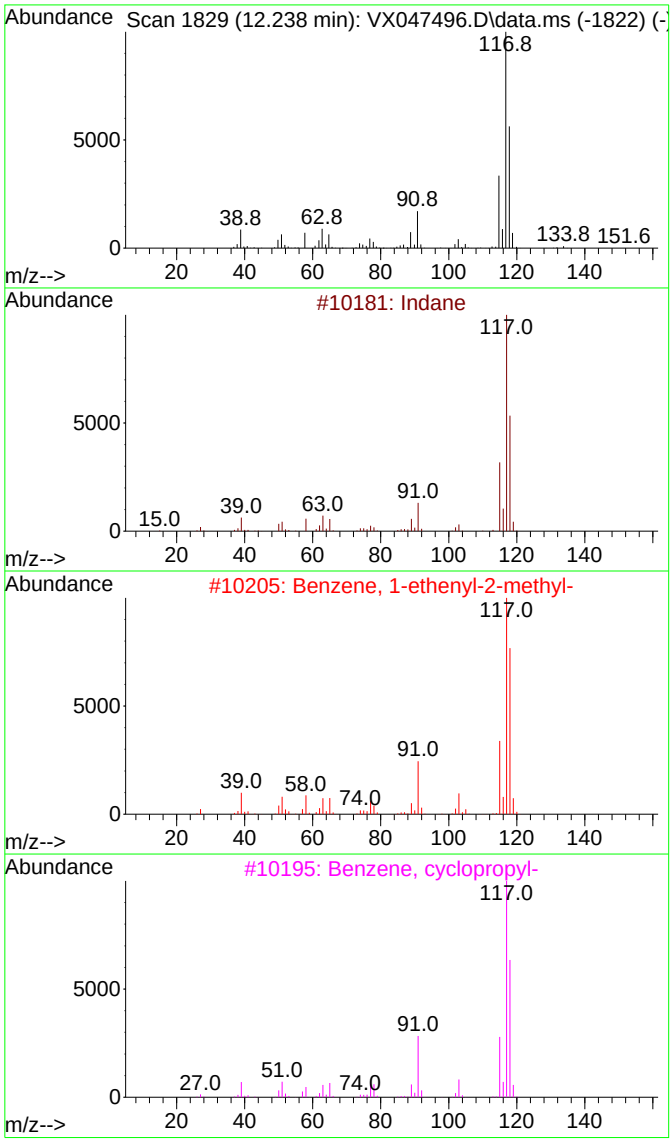
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

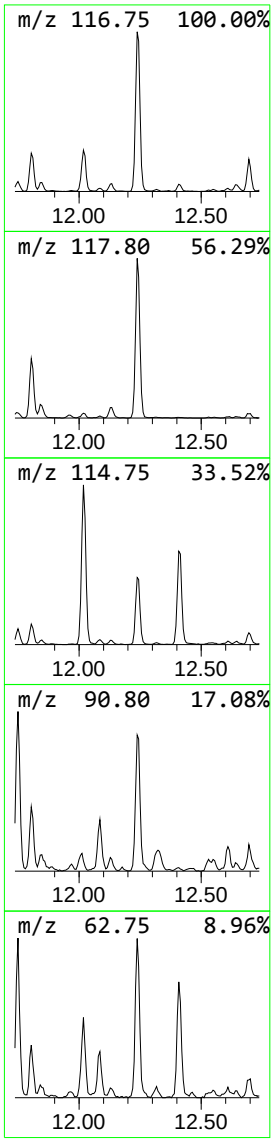
****

Peak Number 5 Indane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.238	21.85 ug/l	587886	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	81
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	74
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	74
5	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

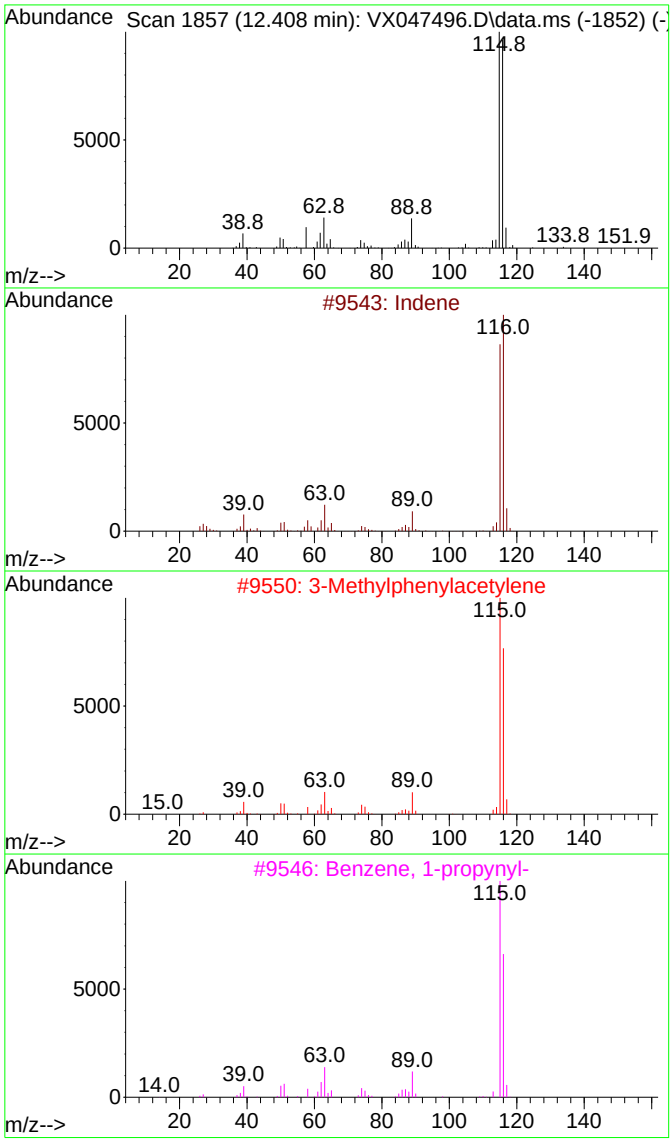
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

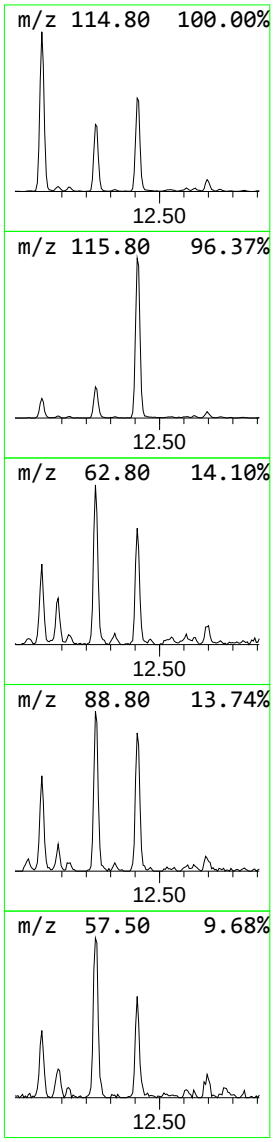
****

Peak Number 6 Indene Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.408	9.59 ug/l	257916	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indene	116	C9H8	000095-13-6	97
2	3-Methylphenylacetylene	116	C9H8	000766-82-5	91
3	Benzene, 1-propynyl-	116	C9H8	000673-32-5	90
4	Benzene, 1-ethynyl-4-methyl-	116	C9H8	000766-97-2	90
5	2-Methylphenylacetylene	116	C9H8	000766-47-2	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

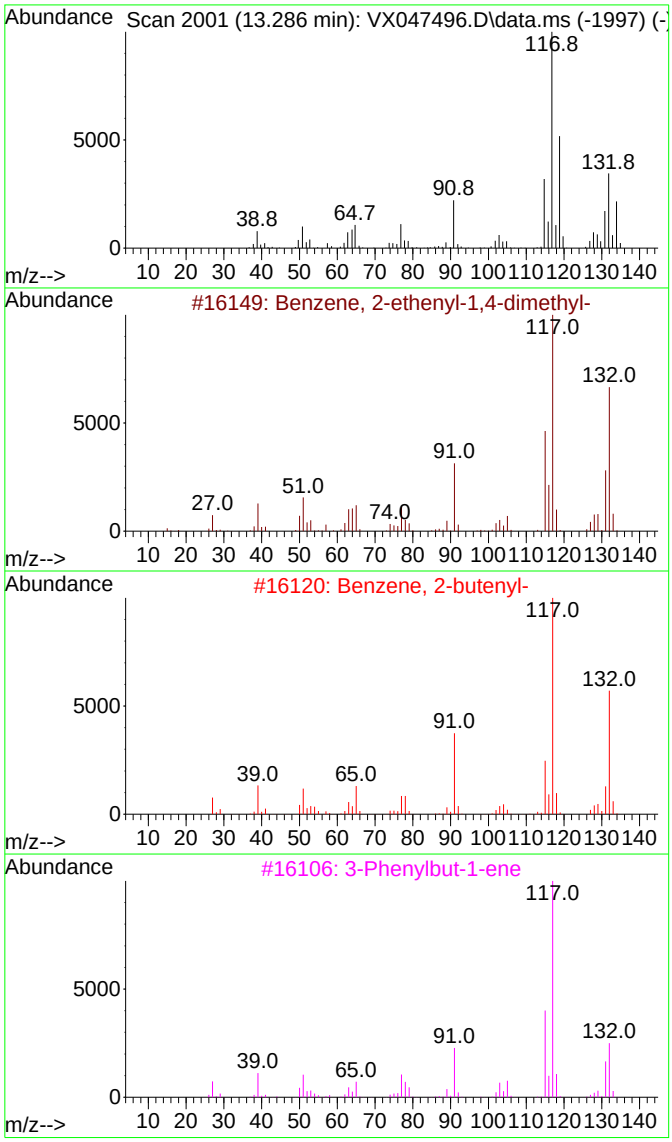
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

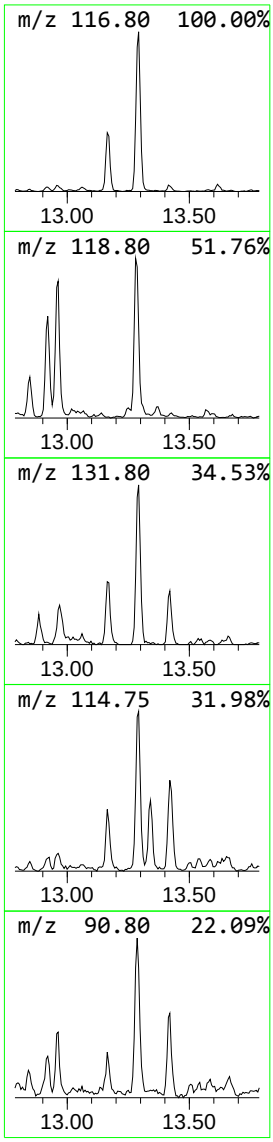
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.286	9.24 ug/l	248512	1,4-Dichlorobenzene-d4	12.018

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	91
2	Benzene, 2-butenyl-	132	C10H12	001560-06-1	70
3	3-Phenylbut-1-ene	132	C10H12	000934-10-1	70
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	70





Sample Results: **VX047496.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047496.D
Acq On : 22 Aug 2025 14:40
Operator : JC/MD
Sample : Q2903-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-18A-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.270	271.3	ug/l	3315660	1	5.562	611061	50.0
Benzene, 1-ethy...	11.378	13.0	ug/l	350939	4	12.018	1345180	50.0
Benzene, 1-ethy...	11.610	7.2	ug/l	192735	4	12.018	1345180	50.0
Benzene, 1,2,3-...	12.085	10.1	ug/l	271047	4	12.018	1345180	50.0
Indane	12.238	21.9	ug/l	587886	4	12.018	1345180	50.0
Indene	12.408	9.6	ug/l	257916	4	12.018	1345180	50.0
Benzene, 2-ethe...	13.286	9.2	ug/l	248512	4	12.018	1345180	50.0

Raw Data: **VX047497.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-16B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047497.D	1	08/22/25 15:01	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	4.90	J	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	U	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-16B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047497.D	1	08/22/25 15:01	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.5		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	49.8		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.8		77 - 121	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	182000	5.562			
540-36-3	1,4-Difluorobenzene	374000	6.769			
3114-55-4	Chlorobenzene-d5	382000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	203000	12.018			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VX047497.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-16B-081925	SDG No.:	Q2903
Lab Sample ID:	Q2903-12	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047497.D	1	08/22/25 15:01	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	210	J		1.27	ug/L

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\VX082225\
Data File : VX047497.D
Acq On : 22 Aug 2025 15:01
Operator : JC/MD
Sample : Q2903-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

Quant Time: Aug 25 01:29:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

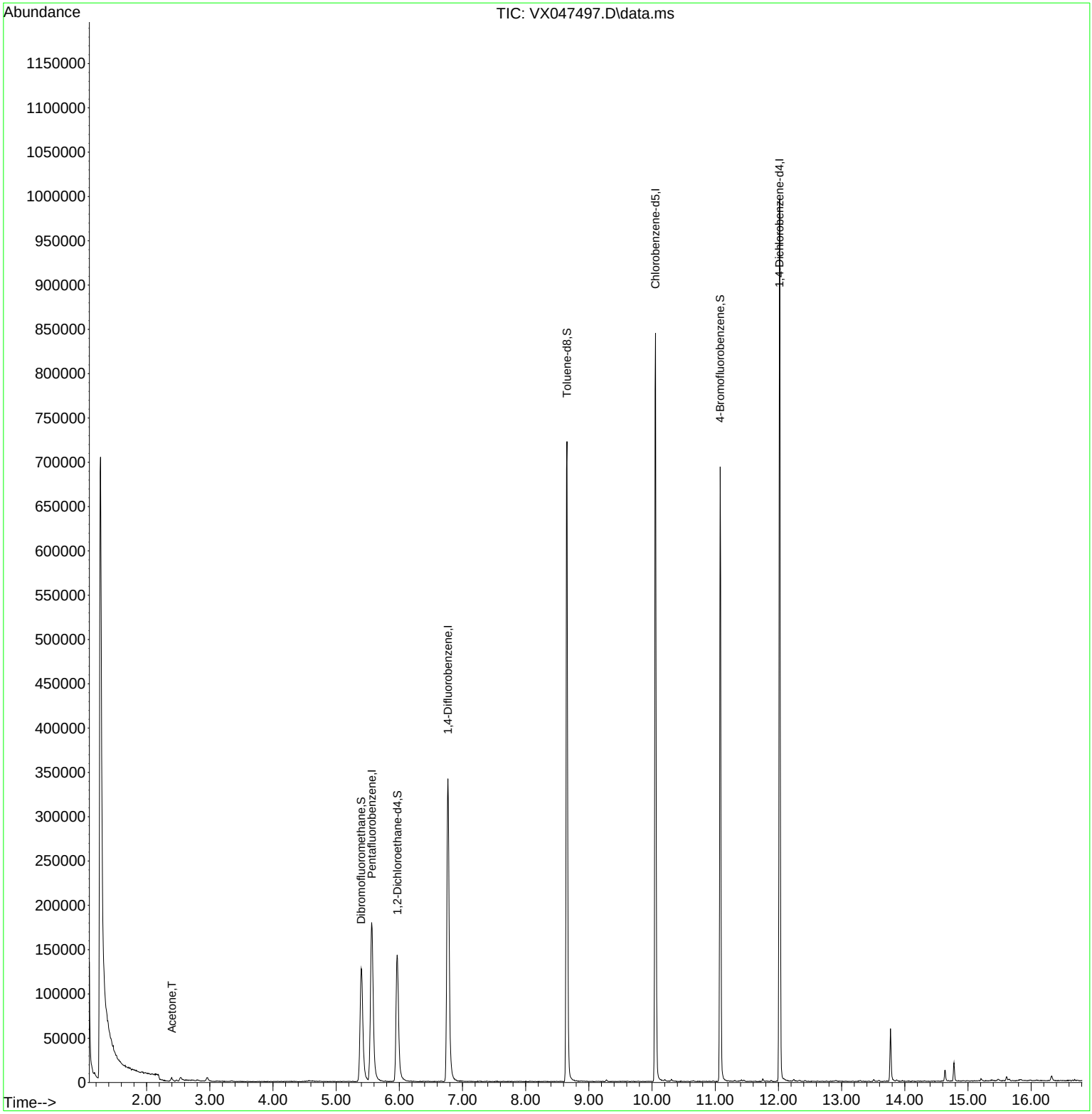
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	181722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	373576	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	382152	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	203331	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	151317	59.497	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.000%#			
35) Dibromofluoromethane	5.397	113	124041	51.161	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.320%			
50) Toluene-d8	8.653	98	431839	49.832	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.660%			
62) 4-Bromofluorobenzene	11.079	95	188045	58.802	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 117.600%			
Target Compounds						Qvalue
16) Acetone	2.398	43	4702	4.919	ug/l	98

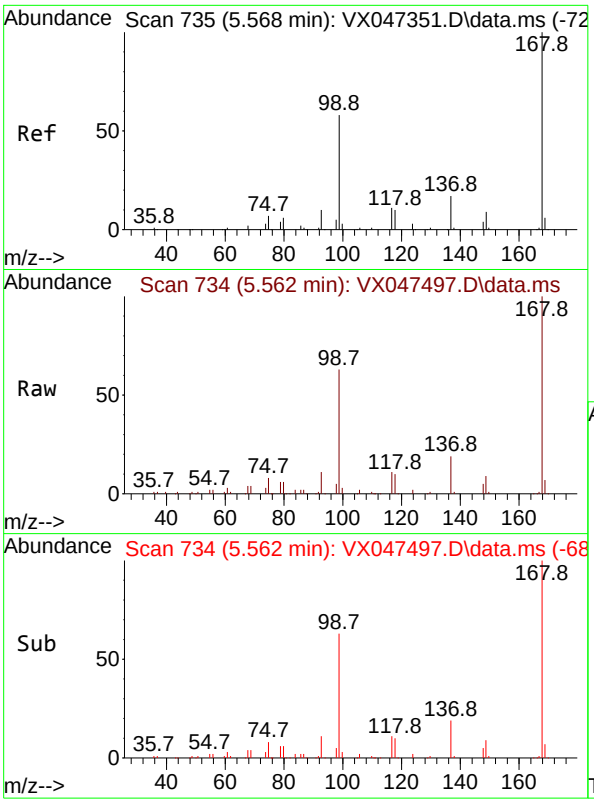
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047497.D
Acq On : 22 Aug 2025 15:01
Operator : JC/MD
Sample : Q2903-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

Quant Time: Aug 25 01:29:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



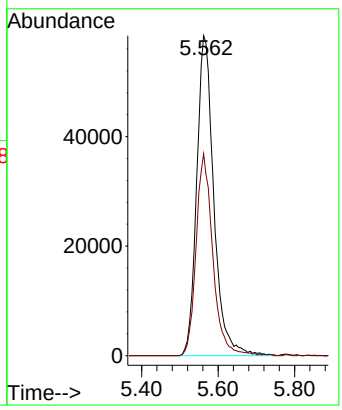


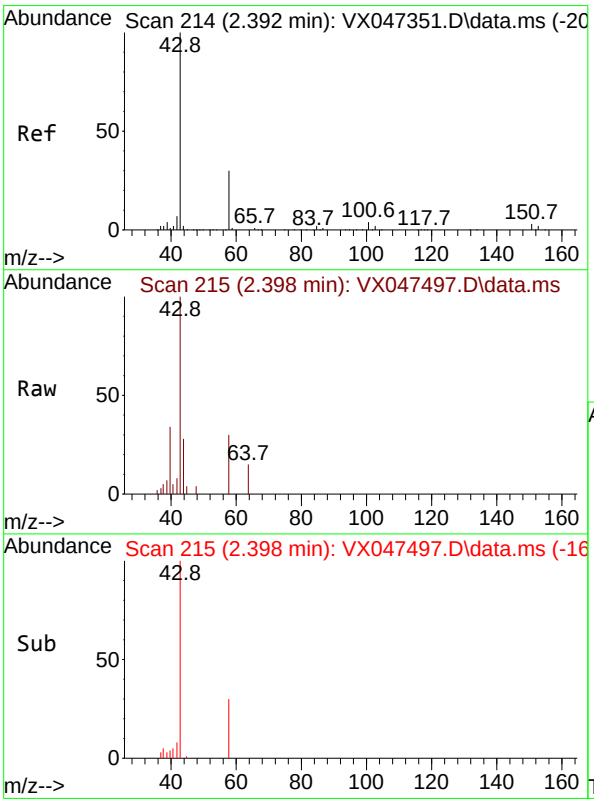
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

Tgt Ion:168 Resp: 181722

Ion	Ratio	Lower	Upper
168	100		
99	63.1	47.9	71.9

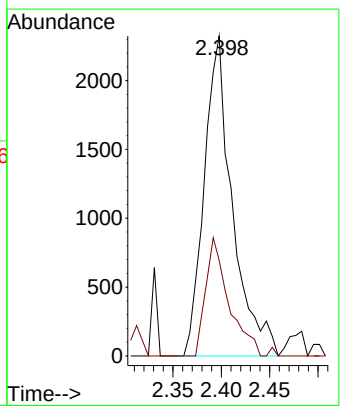


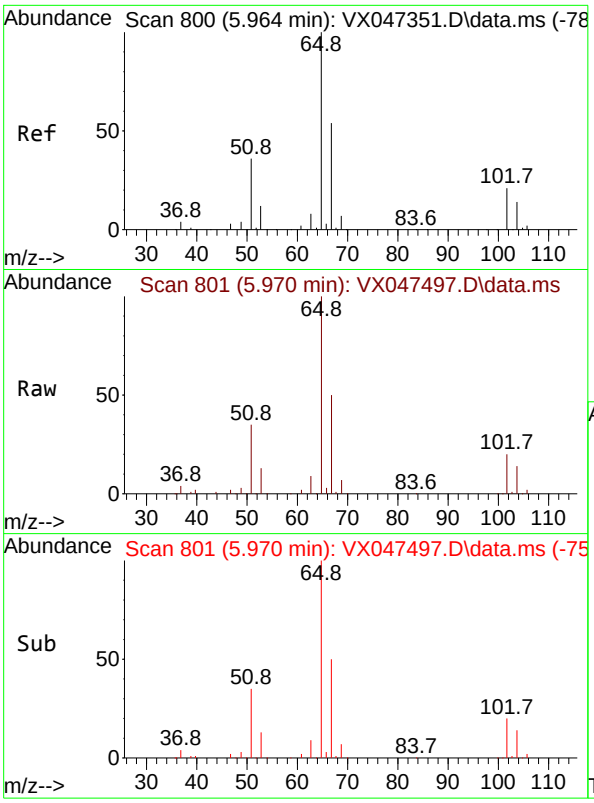


#16
Acetone
Concen: 4.919 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.006 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 43 Resp: 4702

Ion	Ratio	Lower	Upper
43	100		
58	29.9	24.8	37.2



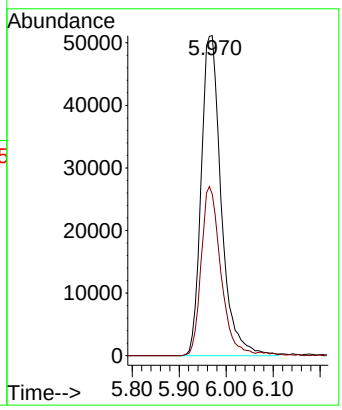


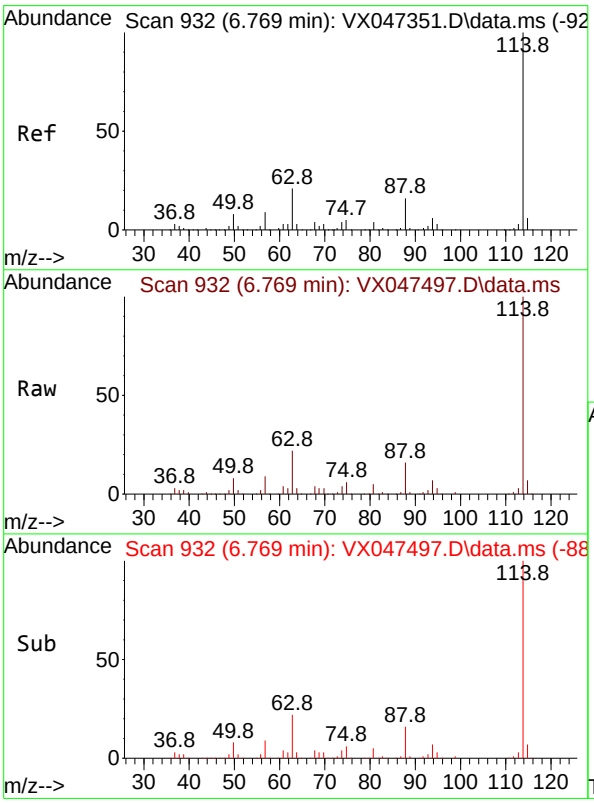
#33
1,2-Dichloroethane-d4
Concen: 59.497 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

Tgt Ion: 65 Resp: 151317

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	106.0

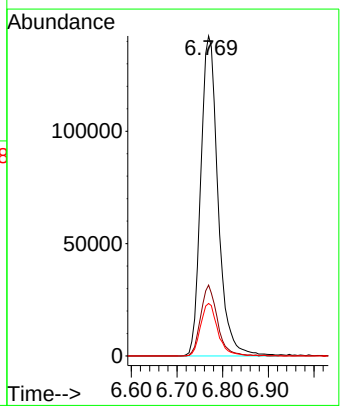


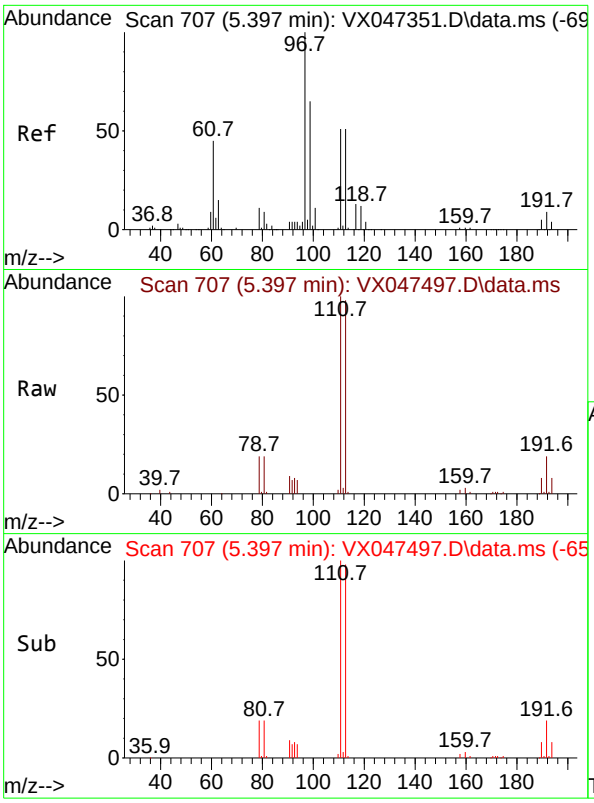


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion:114 Resp: 373576

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	42.4
88	16.4	0.0	33.0



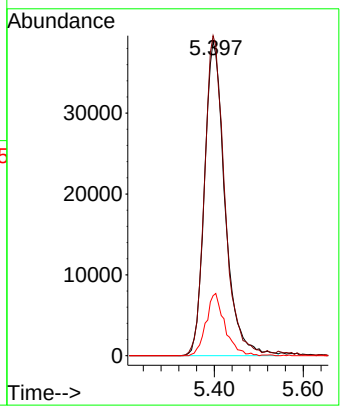


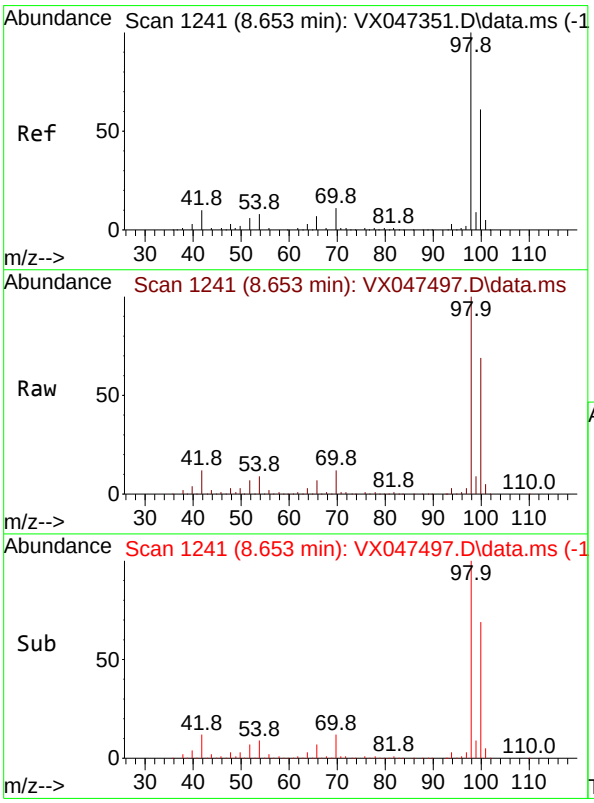
#35
Dibromofluoromethane
Concen: 51.161 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

Tgt Ion:113 Resp: 124041

Ion	Ratio	Lower	Upper
113	100		
111	100.5	81.4	122.2
192	18.4	14.1	21.1

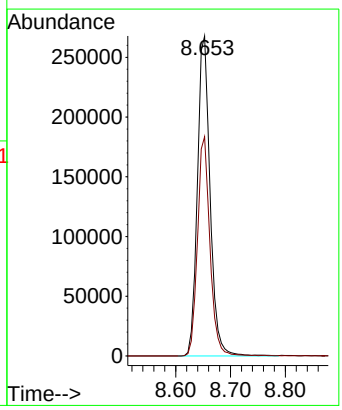


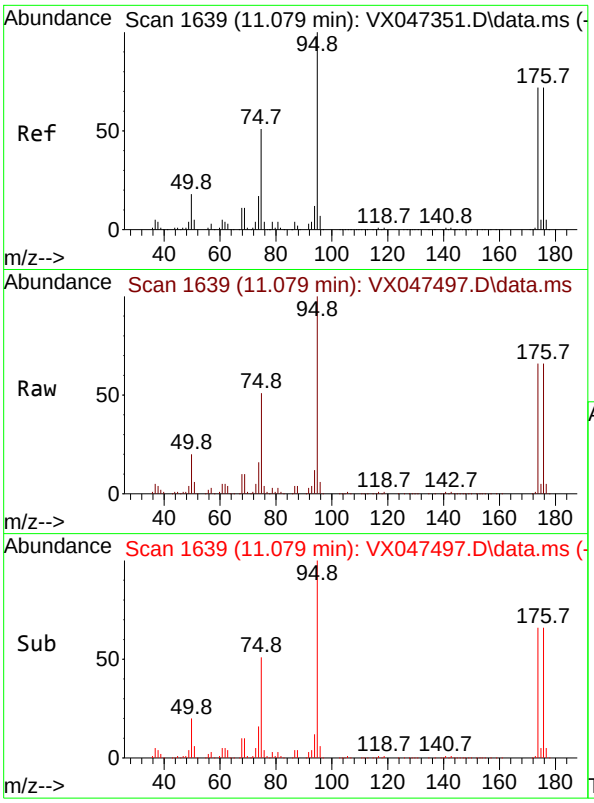


#50
Toluene-d8
Concen: 49.832 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion: 98 Resp: 431839

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.9	80.9



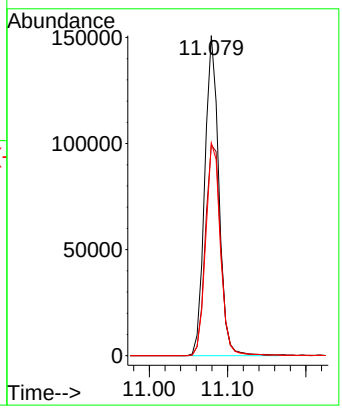


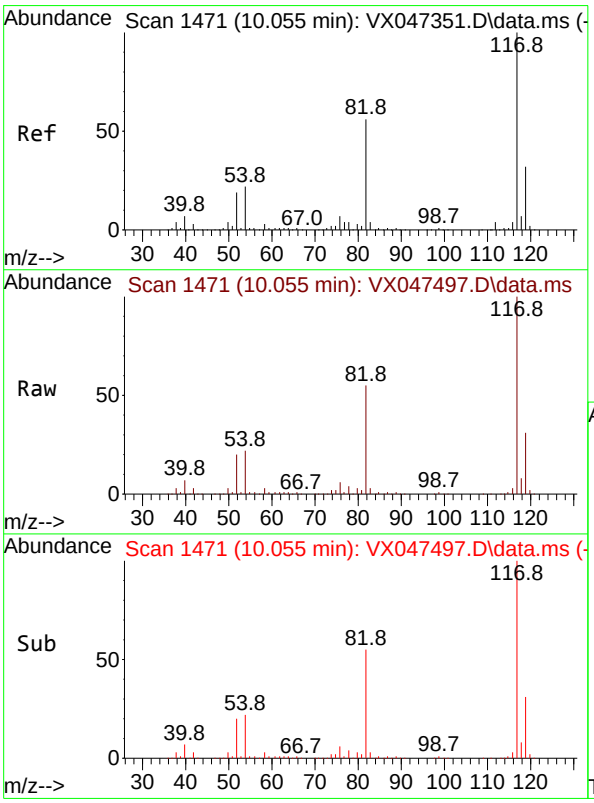
#62
4-Bromofluorobenzene
Concen: 58.802 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

Tgt Ion: 95 Resp: 188045

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	148.0
176	69.4	0.0	145.4

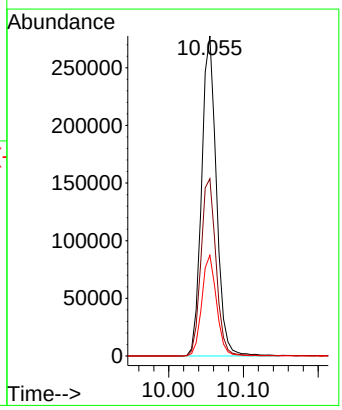


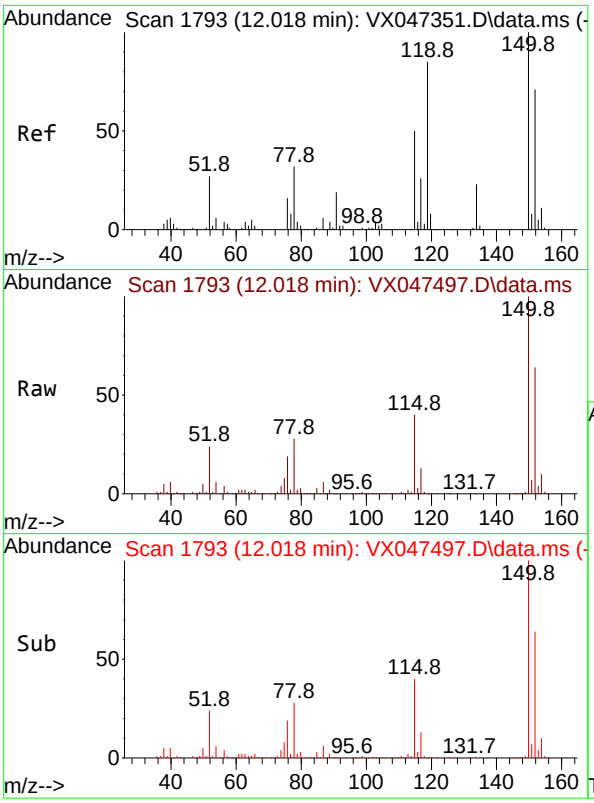


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Tgt Ion:117 Resp: 382152

Ion	Ratio	Lower	Upper
117	100		
82	55.4	45.0	67.4
119	31.5	25.8	38.8



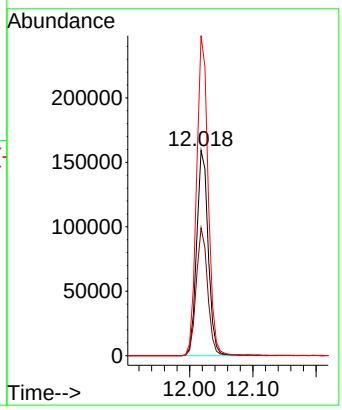


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047497.D
Acq: 22 Aug 2025 15:01

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

Tgt Ion:152 Resp: 203331

Ion	Ratio	Lower	Upper
152	100		
115	61.5	44.6	133.8
150	155.5	0.0	349.8



Sample Results: **VX047497.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047497.D
Acq On : 22 Aug 2025 15:01
Operator : JC/MD
Sample : Q2903-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047497.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.270	24	30	62	rBV	700579	2275734	100.00%	24.926%
2	5.397	696	707	725	rBV3	127368	403549	17.73%	4.420%
3	5.562	725	734	753	rVB	177678	545989	23.99%	5.980%
4	5.964	790	800	816	rBV	142630	413911	18.19%	4.534%
5	6.769	920	932	951	rBV	341970	888872	39.06%	9.736%
6	8.653	1234	1241	1258	rBV	722428	1170590	51.44%	12.821%
7	10.055	1465	1471	1483	rBV	844247	1180569	51.88%	12.931%
8	11.079	1634	1639	1657	rBV	693447	887139	38.98%	9.717%
9	12.018	1788	1793	1803	rBV	995862	1252824	55.05%	13.722%
10	13.774	2076	2081	2093	rBV	59636	83456	3.67%	0.914%
11	14.780	2242	2246	2256	rVB2	20647	27374	1.20%	0.300%

Sum of corrected areas: 9130007

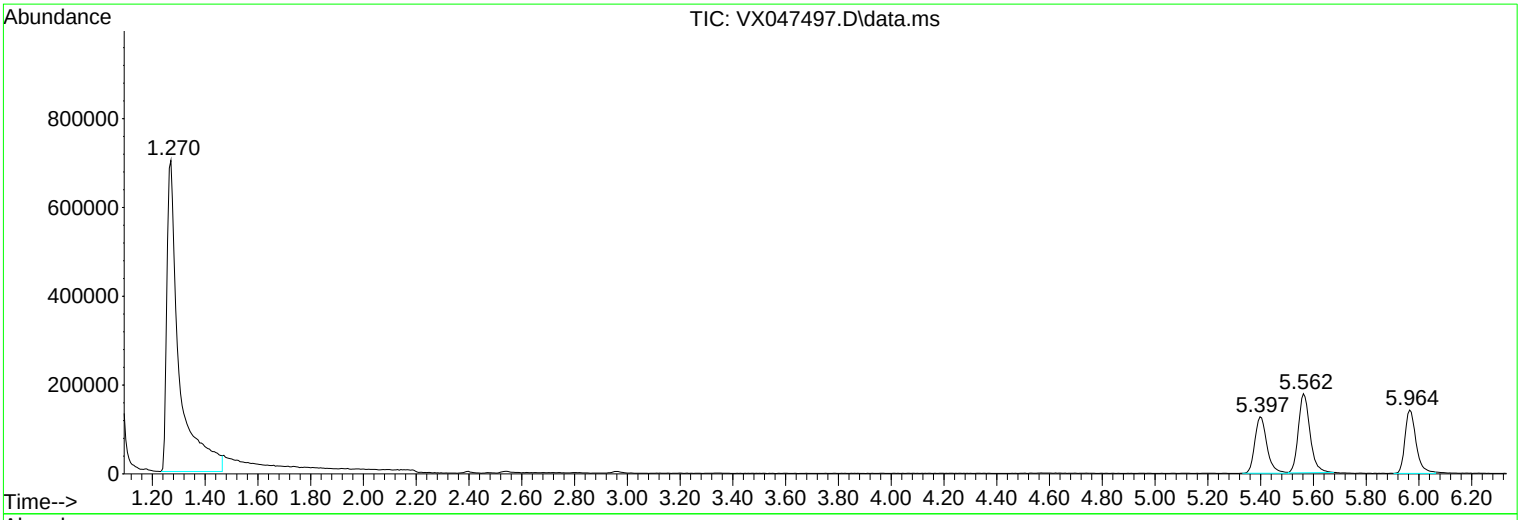
Sample Results: **VX047497.D**

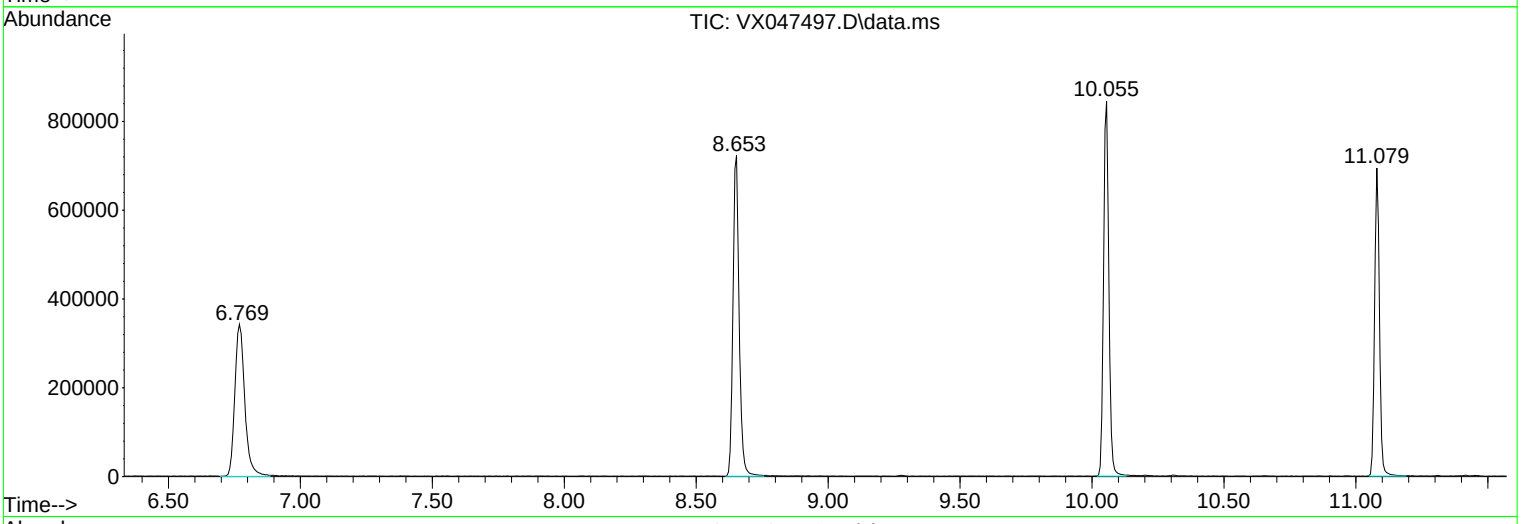
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047497.D
Acq On : 22 Aug 2025 15:01
Operator : JC/MD
Sample : Q2903-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

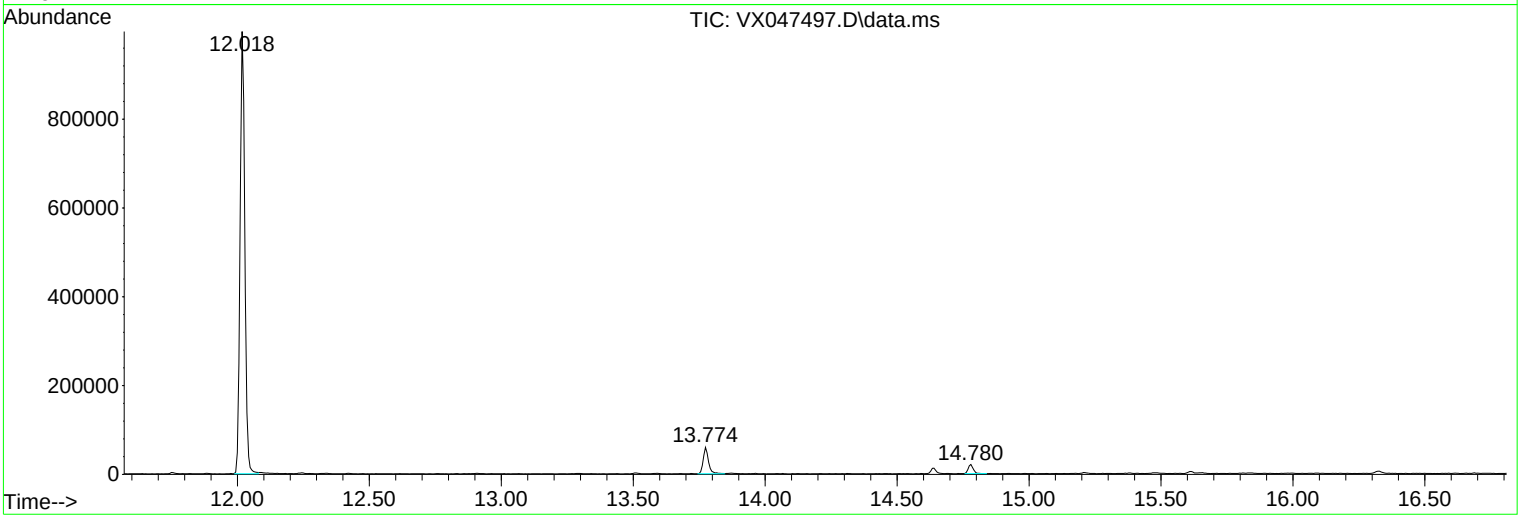
Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Sample Results: **VX047497.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047497.D
Acq On : 22 Aug 2025 15:01
Operator : JC/MD
Sample : Q2903-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

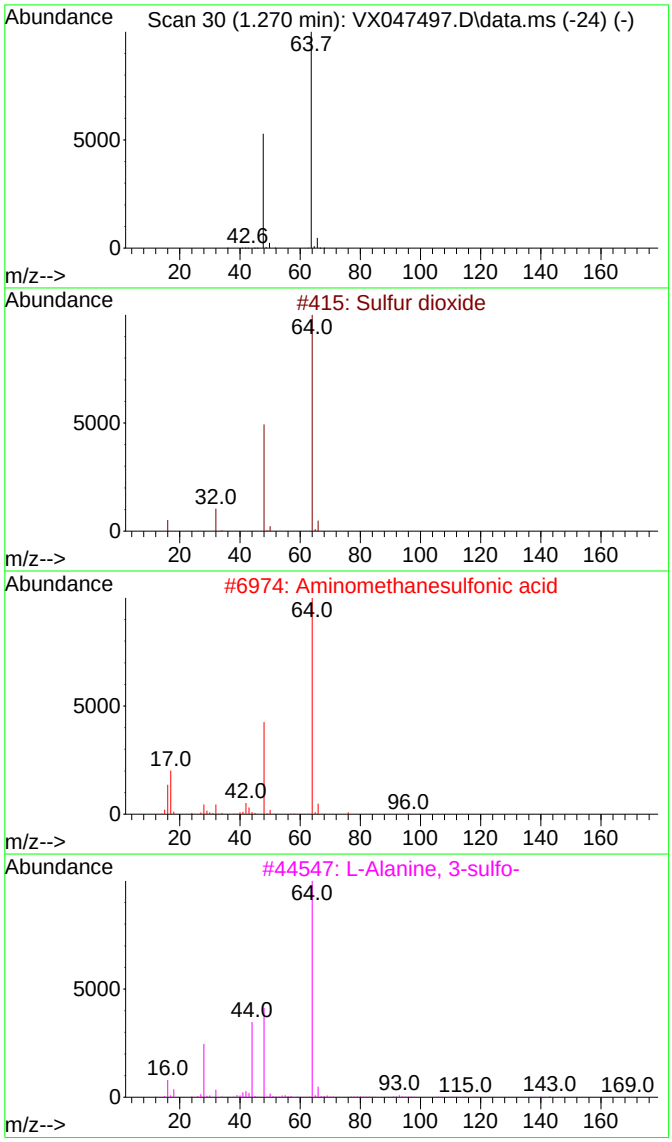
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

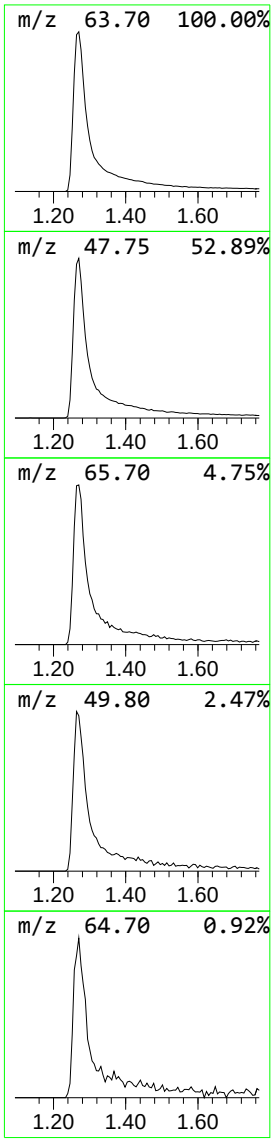
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.270	208.41 ug/l	2275730	Pentafluorobenzene	5.562

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	83
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	74
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3





Sample Results: **VX047497.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047497.D
Acq On : 22 Aug 2025 15:01
Operator : JC/MD
Sample : Q2903-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-16B-081925

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Sulfur dioxide	1.270	208.4	ug/l	2275730	1	5.562	545989	50.0

Raw Data: **VX047518.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	TB	SDG No.:	Q2903
Lab Sample ID:	Q2903-13	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047518.D	1	08/25/25 13:32	VX082525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	5.00	U	0.22	5.00	ug/L
74-87-3	Chloromethane	5.00	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	5.00	U	0.26	5.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	5.00	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	5.00	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	5.00	U	0.23	5.00	ug/L
67-64-1	Acetone	25.0	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	5.00	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	5.00	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	5.00	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	5.00	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	5.00	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	5.00	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	25.0	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	5.00	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	5.00	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	5.00	UQ	0.22	5.00	ug/L
67-66-3	Chloroform	5.00	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	5.00	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	5.00	U	0.16	5.00	ug/L
71-43-2	Benzene	5.00	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	5.00	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	5.00	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	5.00	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	5.00	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	25.0	U	0.68	25.0	ug/L
108-88-3	Toluene	5.00	U	0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	TB	SDG No.:	Q2903
Lab Sample ID:	Q2903-13	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047518.D	1	08/25/25 13:32	VX082525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	5.00	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	5.00	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	5.00	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	25.0	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	5.00	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	5.00	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	5.00	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	5.00	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	5.00	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	10.0	U	0.24	10.0	ug/L
95-47-6	o-Xylene	5.00	U	0.12	5.00	ug/L
100-42-5	Styrene	5.00	U	0.15	5.00	ug/L
75-25-2	Bromoform	5.00	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	5.00	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	5.00	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	5.00	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	5.00	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.00	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	5.00	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		74 - 125	112%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	50.0		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	298000	5.562			
540-36-3	1,4-Difluorobenzene	595000	6.769			
3114-55-4	Chlorobenzene-d5	589000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	295000	12.018			

Raw Data: **VX047518.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	TB	SDG No.:	Q2903
Lab Sample ID:	Q2903-13	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047518.D	1	08/25/25 13:32	VX082525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX082525\
Data File : VX047518.D
Acq On : 25 Aug 2025 13:32
Operator : JC/MD
Sample : Q2903-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Aug 26 00:38:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

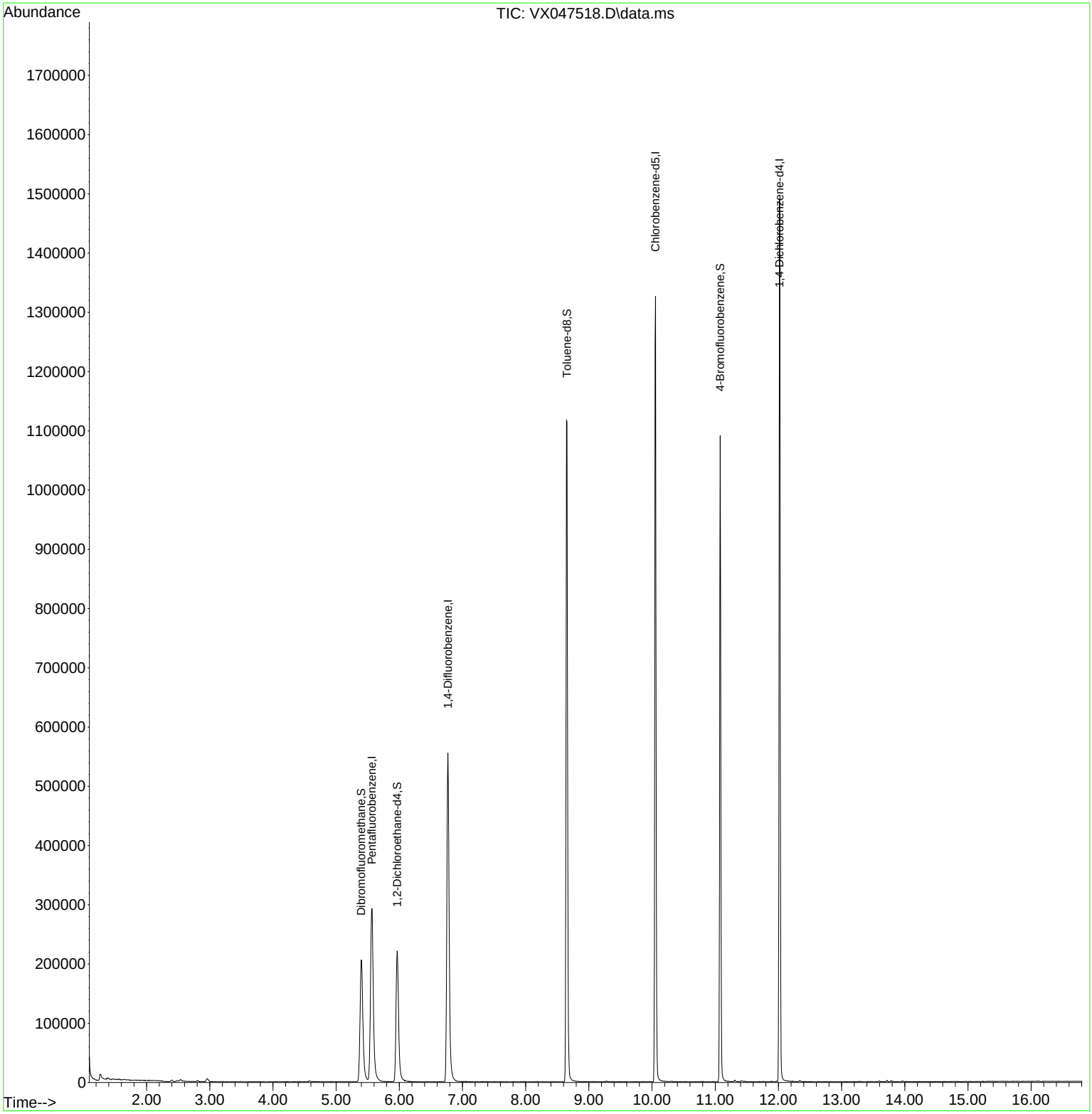
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	298330	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	594534	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	589303	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	294917	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	232895	55.780	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.560%			
35) Dibromofluoromethane	5.397	113	197024	51.061	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.120%			
50) Toluene-d8	8.653	98	690159	50.042	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.080%			
62) 4-Bromofluorobenzene	11.079	95	283680	55.740	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.480%			
Target Compounds						Qvalue

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

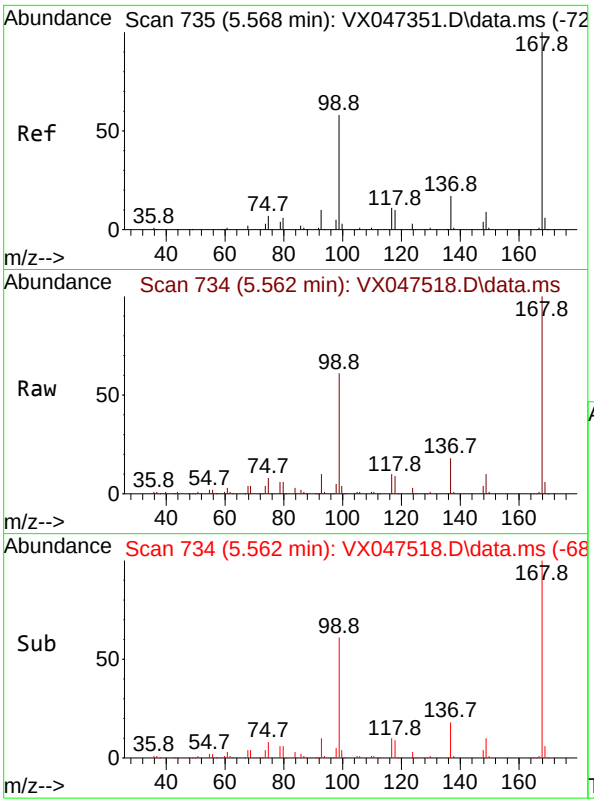
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047518.D
Acq On : 25 Aug 2025 13:32
Operator : JC/MD
Sample : Q2903-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Aug 26 00:38:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



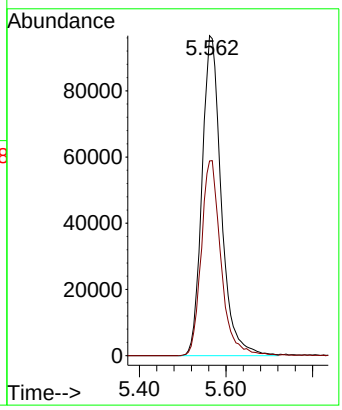
Instrument :
MSVOA_X
ClientSampleId :
TB

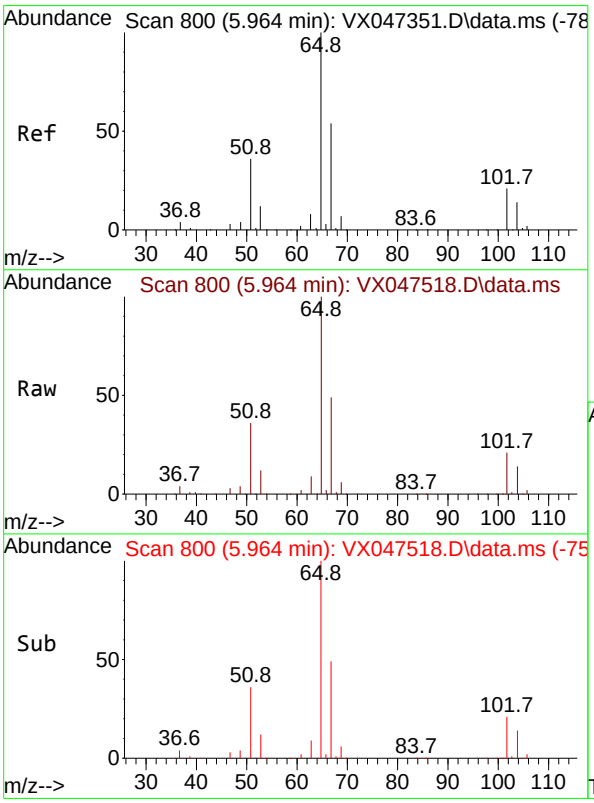


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047518.D
Acq: 25 Aug 2025 13:32

Tgt Ion:168 Resp: 298330

Ion	Ratio	Lower	Upper
168	100		
99	60.8	47.9	71.9

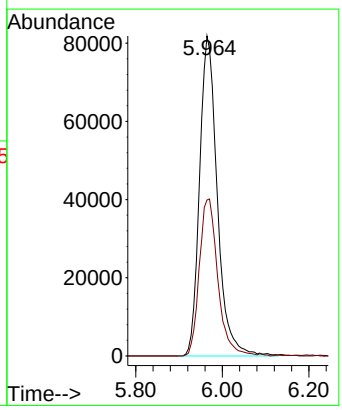


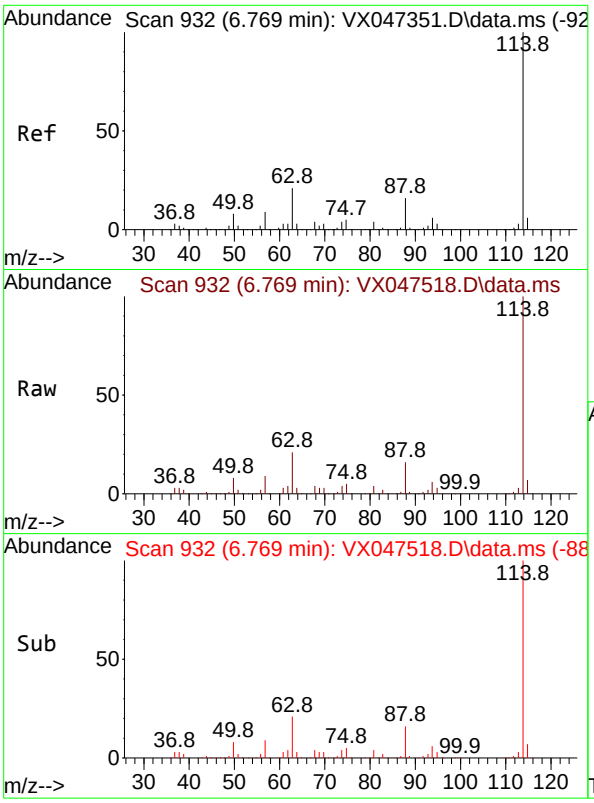


#33
1,2-Dichloroethane-d4
Concen: 55.780 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047518.D
Acq: 25 Aug 2025 13:32

Tgt Ion: 65 Resp: 232895

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	106.0



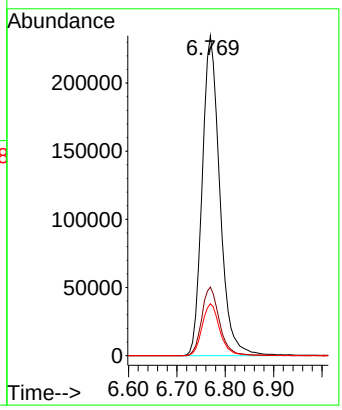


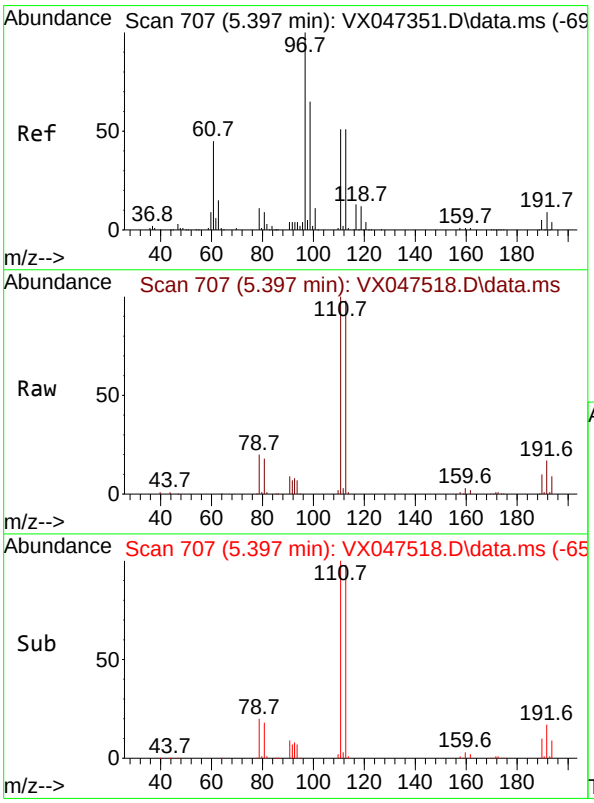
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047518.D
Acq: 25 Aug 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:114 Resp: 594534

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	42.4
88	16.2	0.0	33.0

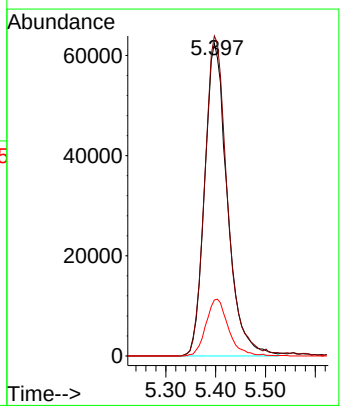


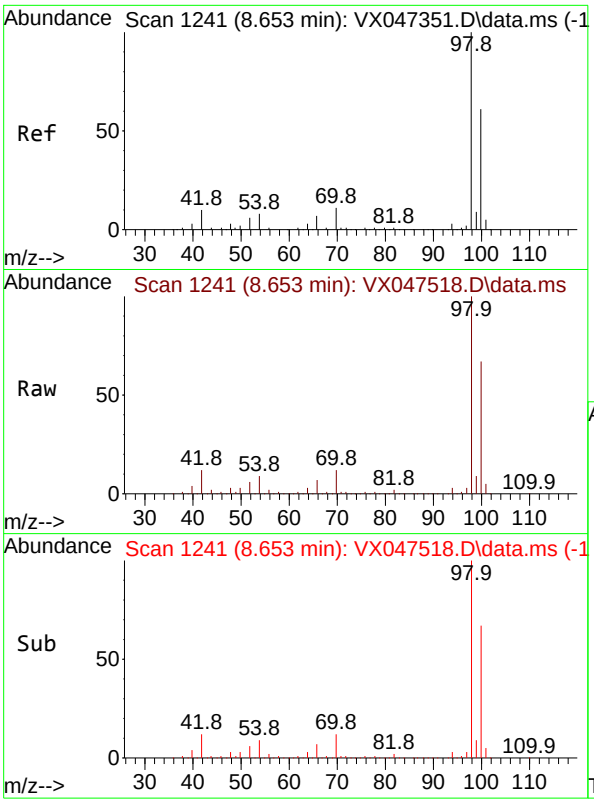


#35
Dibromofluoromethane
Concen: 51.061 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047518.D
Acq: 25 Aug 2025 13:32

Tgt Ion:113 Resp: 197024

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	18.0	14.1	21.1



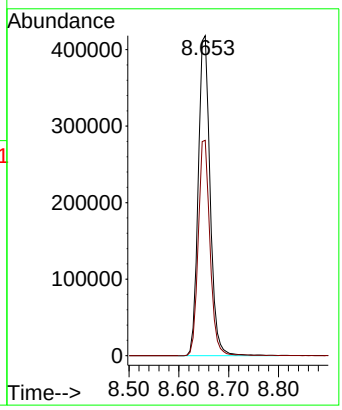


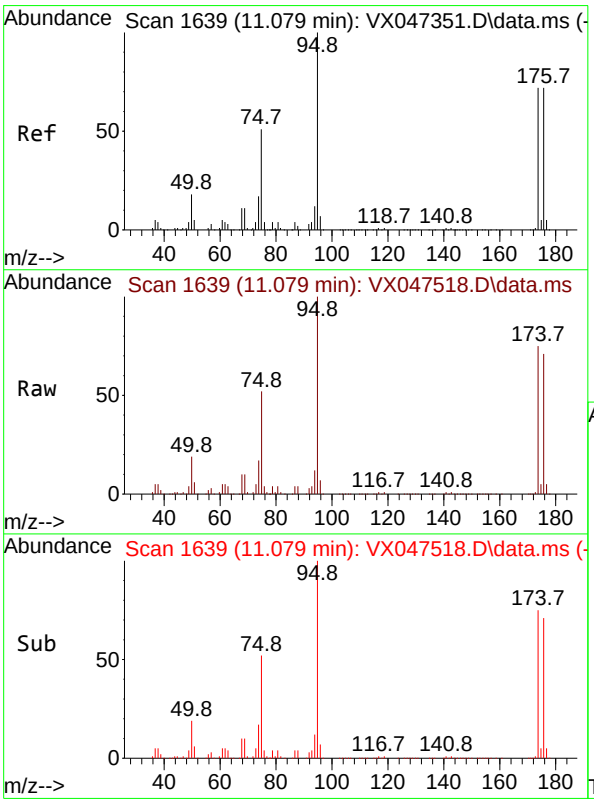
#50
Toluene-d8
Concen: 50.042 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047518.D
Acq: 25 Aug 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 98 Resp: 690159

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.9	80.9

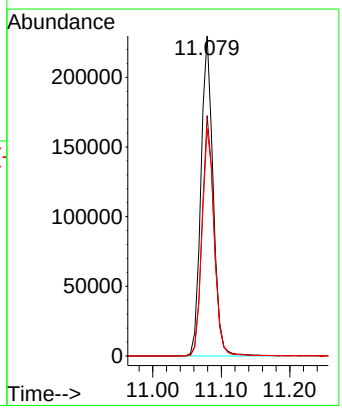


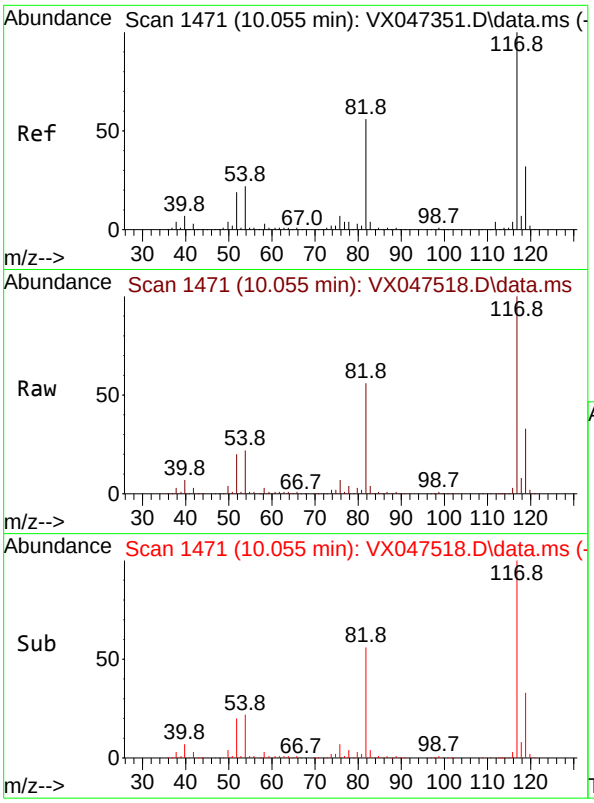


#62
4-Bromofluorobenzene
Concen: 55.740 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047518.D
Acq: 25 Aug 2025 13:32

Tgt Ion: 95 Resp: 283680

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	148.0
176	71.4	0.0	145.4



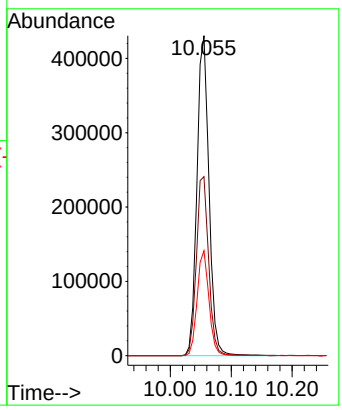


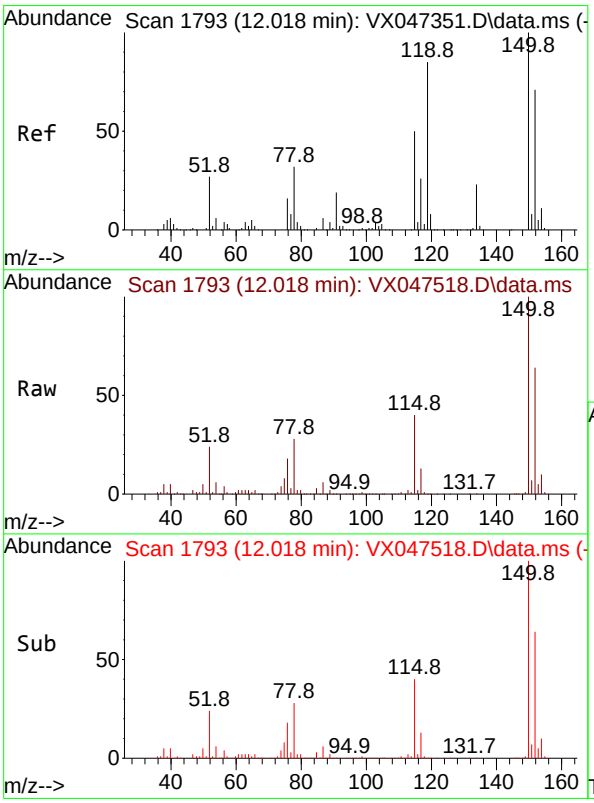
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047518.D
Acq: 25 Aug 2025 13:32

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:117 Resp: 589303

Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.0	67.4
119	32.8	25.8	38.8

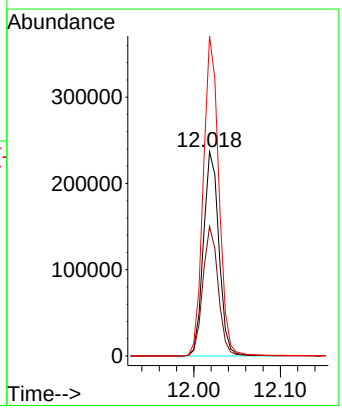




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047518.D
Acq: 25 Aug 2025 13:32

Tgt Ion:152 Resp: 294917

Ion	Ratio	Lower	Upper
152	100		
115	63.0	44.6	133.8
150	157.4	0.0	349.8



Sample Results: **VX047518.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047518.D
Acq On : 25 Aug 2025 13:32
Operator : JC/MD
Sample : Q2903-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047518.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	25	29	41	rBV	10658	28829	1.55%	0.274%
2	5.397	695	707	724	rBV3	205765	646608	34.73%	6.144%
3	5.568	724	735	756	rVB	290950	911098	48.93%	8.657%
4	5.964	789	800	819	rBV	221000	635432	34.13%	6.038%
5	6.769	923	932	954	rBV	555195	1413841	75.93%	13.434%
6	8.647	1234	1240	1265	rBV	1116127	1861914	100.00%	17.692%
7	10.055	1465	1471	1489	rBV	1326343	1837149	98.67%	17.456%
8	11.079	1634	1639	1652	rBV	1090312	1352967	72.67%	12.856%
9	12.018	1788	1793	1807	rBV	1490011	1836408	98.63%	17.449%

Sum of corrected areas: 10524246

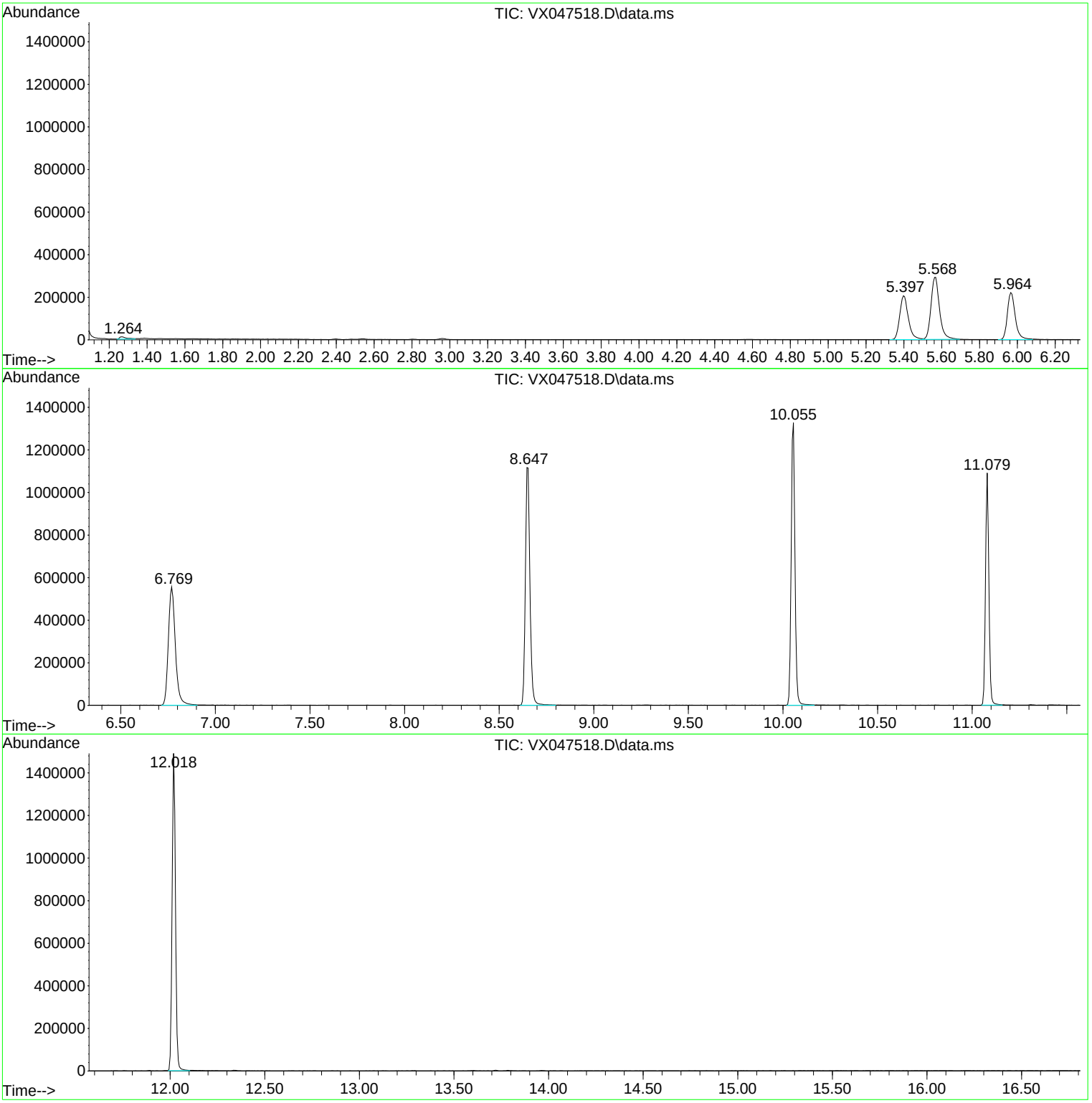
Sample Results: **VX047518.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047518.D
Acq On : 25 Aug 2025 13:32
Operator : JC/MD
Sample : Q2903-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047518.D
Acq On : 25 Aug 2025 13:32
Operator : JC/MD
Sample : Q2903-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Sample Results: **VX047518.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047518.D
Acq On : 25 Aug 2025 13:32
Operator : JC/MD
Sample : Q2903-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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: AECO02

Lab Code: ACE | SDG No.: Q2903

Instrument ID: MSVOA_X | Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:40 12:30

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

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.558	0.638	0.731	0.671	0.680	0.546	0.637	11.4
Chloromethane	0.539	0.568	0.624	0.567	0.594	0.549	0.573	5.4
Vinyl Chloride	0.651	0.751	0.800	0.729	0.757	0.630	0.720	9.2
Bromomethane	0.251	0.296	0.336	0.309	0.261		0.291	11.9
Chloroethane	0.392	0.440	0.463	0.410	0.422	0.515	0.440	10
Trichlorofluoromethane	1.012	1.121	1.188	1.060	1.069	0.938	1.065	8.1
1,1,2-Trichlorotrifluoroethane	0.589	0.664	0.697	0.624	0.637	0.494	0.618	11.4
1,1-Dichloroethene	0.575	0.664	0.697	0.635	0.651	0.555	0.630	8.6
Acetone	0.259	0.310	0.280	0.240	0.240	0.249	0.263	10.5
Carbon Disulfide	1.747	1.916	1.993	1.819	1.854	2.069	1.900	6.2
Methyl tert-butyl Ether	1.768	2.019	2.175	1.962	2.014	1.554	1.915	11.5
Methyl Acetate	0.620	0.661	0.769	0.689	0.728	0.621	0.682	8.7
Methylene Chloride	0.645	0.732	0.757	0.669	0.684	0.691	0.697	5.9
trans-1,2-Dichloroethene	0.638	0.705	0.725	0.655	0.664	0.621	0.668	6
1,1-Dichloroethane	1.180	1.294	1.356	1.210	1.238	1.052	1.222	8.5
Cyclohexane	1.024	1.202	1.210	1.082	1.113		1.126	7
2-Butanone	0.328	0.378	0.389	0.342	0.343	0.287	0.344	10.6
Carbon Tetrachloride	0.536	0.596	0.607	0.549	0.554	0.515	0.560	6.3
cis-1,2-Dichloroethene	0.758	0.826	0.846	0.769	0.779	0.692	0.778	7
Bromochloromethane	0.543	0.402	0.540	0.560	0.525	0.481	0.508	11.6
Chloroform	1.236	1.328	1.368	1.214	1.243	1.091	1.247	7.8
1,1,1-Trichloroethane	1.043	1.151	1.195	1.081	1.106	0.863	1.073	10.8
Methylcyclohexane	0.589	0.673	0.695	0.640	0.642	0.595	0.639	6.5
Benzene	1.502	1.665	1.701	1.516	1.504	1.312	1.533	9.1
1,2-Dichloroethane	0.521	0.594	0.600	0.532	0.528	0.484	0.543	8.3
Trichloroethene	0.383	0.423	0.432	0.390	0.391	0.336	0.393	8.6
1,2-Dichloropropane	0.349	0.415	0.421	0.381	0.382	0.357	0.384	7.6
Bromodichloromethane	0.548	0.621	0.635	0.578	0.573	0.513	0.578	7.8
4-Methyl-2-Pentanone	0.408	0.479	0.509	0.451	0.444	0.346	0.440	13
Toluene	0.920	1.043	1.057	0.936	0.927	0.802	0.947	9.9

* 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.

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: AECO02

Lab Code: ACE | SDG No.: Q2903

Instrument ID: MSVOA_X | Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:40 12:30

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

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.444	0.537	0.584	0.541	0.550	0.371	0.505	15.9
cis-1,3-Dichloropropene	0.531	0.608	0.642	0.592	0.602	0.451	0.571	12
1,1,2-Trichloroethane	0.358	0.393	0.396	0.352	0.347	0.313	0.360	8.6
2-Hexanone	0.284	0.338	0.347	0.310	0.306	0.239	0.304	12.9
Dibromochloromethane	0.412	0.461	0.464	0.426	0.420	0.382	0.428	7.3
1,2-Dibromoethane	0.358	0.397	0.409	0.365	0.361	0.336	0.371	7.2
Tetrachloroethene	0.351	0.384	0.398	0.360	0.360	0.316	0.362	7.8
Chlorobenzene	1.163	1.268	1.286	1.163	1.175	1.073	1.188	6.6
Ethyl Benzene	1.941	2.216	2.277	2.062	2.056	1.718	2.045	9.8
m/p-Xylenes	0.722	0.831	0.858	0.765	0.759	0.642	0.763	10.2
o-Xylene	0.679	0.793	0.813	0.735	0.732	0.651	0.734	8.6
Styrene	1.186	1.397	1.411	1.271	1.266	0.909	1.240	14.8
Bromoform	0.294	0.322	0.335	0.306	0.313	0.241	0.302	10.9
Isopropylbenzene	3.547	4.192	4.399	4.048	4.080	3.211	3.913	11.4
1,1,2,2-Tetrachloroethane	1.077	1.208	1.269	1.142	1.152	1.044	1.149	7.2
1,3-Dichlorobenzene	1.719	1.907	1.983	1.811	1.823	1.710	1.825	5.8
1,4-Dichlorobenzene	1.788	1.952	1.986	1.788	1.814	1.936	1.877	4.8
1,2-Dichlorobenzene	1.617	1.851	1.862	1.705	1.729	1.631	1.733	6.1
1,2-Dibromo-3-Chloropropane	0.182	0.225	0.247	0.238	0.249	0.191	0.222	13
1,2,4-Trichlorobenzene	1.030	1.168	1.234	1.191	1.204	1.144	1.161	6.2
1,2,3-Trichlorobenzene	0.919	1.109	1.174	1.132	1.160	1.075	1.095	8.5
1,2-Dichloroethane-d4	0.709	0.581	0.700	0.747	0.762		0.700	10.2
Dibromofluoromethane	0.310	0.278	0.331	0.354	0.349		0.325	9.6
Toluene-d8	1.157	0.994	1.171	1.246	1.232		1.160	8.7
4-Bromofluorobenzene	0.441	0.371	0.428	0.452	0.448		0.428	7.8

* 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 : 82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 2025
Response Via : Initial Calibration

Calibration Files
1 =VX047356.D 5 =VX047349.D 20 =VX047350.D 50 =VX047351.D 100 =VX047352.D 150 =VX047353.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.546	0.558	0.638	0.731	0.671	0.680	0.637	11.38
3)	P	Chloromethane	0.549	0.539	0.568	0.624	0.567	0.594	0.573	5.41
4)	C	Vinyl Chloride	0.630	0.651	0.751	0.800	0.729	0.757	0.720	9.16#
5)	T	Bromomethane		0.251	0.296	0.336	0.309	0.261	0.291	11.94
6)	T	Chloroethane	0.515	0.392	0.440	0.463	0.410	0.422	0.440	10.01
7)	T	Trichlorofluor...	0.938	1.012	1.121	1.188	1.060	1.069	1.065	8.10
8)	T	Diethyl Ether	0.340	0.351	0.387	0.415	0.370	0.385	0.375	7.21
9)	T	1,1,2-Trichlor...	0.494	0.589	0.664	0.697	0.624	0.637	0.618	11.41
10)	T	Methyl Iodide		0.820	0.912	1.163	1.181	1.215	1.058	16.96
11)	T	Tert butyl alc...		0.052	0.059	0.068	0.062	0.063	0.061	9.76
12)	CM	1,1-Dichloroet...	0.555	0.575	0.664	0.697	0.635	0.651	0.630	8.61#
13)	T	Acrolein		0.130	0.122	0.132	0.127	0.131	0.129	3.22
14)	T	Allyl chloride	0.951	1.023	1.143	1.211	1.109	1.124	1.093	8.47
15)	T	Acrylonitrile	0.248	0.260	0.314	0.340	0.299	0.303	0.294	11.64
16)	T	Acetone	0.249	0.259	0.310	0.280	0.240	0.240	0.263	10.48
17)	T	Carbon Disulfide	2.069	1.747	1.916	1.993	1.819	1.854	1.900	6.21
18)	T	Methyl Acetate	0.621	0.620	0.661	0.769	0.689	0.728	0.682	8.75
19)	T	Methyl tert-bu...	1.554	1.768	2.019	2.175	1.962	2.014	1.915	11.49
20)	T	Methylene Chlo...	0.691	0.645	0.732	0.757	0.669	0.684	0.697	5.94
21)	T	trans-1,2-Dich...	0.621	0.638	0.705	0.725	0.655	0.664	0.668	5.98
22)	T	Diisopropyl ether	1.735	2.035	2.372	2.460	2.180	2.186	2.161	11.92
23)	T	Vinyl Acetate	1.412	1.596	1.919	2.040	1.821	1.841	1.772	12.91
24)	P	1,1-Dichloroet...	1.052	1.180	1.294	1.356	1.210	1.238	1.222	8.53
25)	T	2-Butanone	0.287	0.328	0.378	0.389	0.342	0.343	0.344	10.56
26)	T	2,2-Dichloropr...	0.776	0.864	0.976	1.017	0.940	0.960	0.922	9.49
27)	T	cis-1,2-Dichlo...	0.692	0.758	0.826	0.846	0.769	0.779	0.778	6.99
28)	T	Bromochloromet...	0.481	0.543	0.402	0.540	0.560	0.525	0.508	11.55
29)	T	Tetrahydrofuran	0.219	0.206	0.227	0.246	0.219	0.219	0.223	5.97
30)	C	Chloroform	1.091	1.236	1.328	1.368	1.214	1.243	1.247	7.75#
31)	T	Cyclohexane		1.024	1.202	1.210	1.082	1.112	1.126	7.05
32)	T	1,1,1-Trichlor...	0.863	1.043	1.151	1.195	1.081	1.106	1.073	10.80
33)	S	1,2-Dichloroet...		0.709	0.581	0.700	0.747	0.762	0.700	10.19
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.310	0.278	0.331	0.354	0.349	0.325	9.56
36)	T	1,1-Dichloropr...	0.474	0.475	0.551	0.562	0.509	0.502	0.512	7.25
37)	T	Ethyl Acetate	0.492	0.491	0.568	0.590	0.528	0.523	0.532	7.57
38)	T	Carbon Tetrach...	0.515	0.536	0.596	0.607	0.549	0.554	0.560	6.31
39)	T	Methylcyclohexane	0.595	0.589	0.673	0.695	0.640	0.642	0.639	6.55
40)	TM	Benzene	1.312	1.502	1.665	1.701	1.516	1.504	1.533	9.07
41)	T	Methacrylonitrile	0.175	0.192	0.244	0.258	0.245	0.231	0.224	14.75
42)	TM	1,2-Dichloroet...	0.484	0.521	0.594	0.600	0.532	0.528	0.543	8.33
43)	T	Isopropyl Acetate	0.645	0.660	0.811	0.868	0.798	0.802	0.764	11.82
44)	TM	Trichloroethene	0.336	0.383	0.423	0.432	0.390	0.391	0.393	8.64
45)	C	1,2-Dichloropr...	0.357	0.349	0.415	0.421	0.381	0.382	0.384	7.60#
46)	T	Dibromomethane	0.248	0.272	0.302	0.302	0.273	0.276	0.279	7.34
47)	T	Bromodichlorom...	0.513	0.548	0.621	0.635	0.578	0.573	0.578	7.81
48)	T	Methyl methacr...	0.352	0.335	0.419	0.445	0.412	0.417	0.397	10.89
49)	T	1,4-Dioxane	0.003	0.004	0.004	0.004	0.004	0.004	0.004	14.33
50)	S	Toluene-d8		1.157	0.994	1.171	1.246	1.232	1.160	8.66
51)	T	4-Methyl-2-Pen...	0.346	0.408	0.479	0.509	0.451	0.444	0.440	12.98
52)	CM	Toluene	0.802	0.920	1.043	1.057	0.936	0.927	0.947	9.87#
53)	T	t-1,3-Dichloro...	0.371	0.444	0.537	0.584	0.541	0.550	0.505	15.92
54)	T	cis-1,3-Dichlo...	0.451	0.531	0.608	0.642	0.592	0.602	0.571	12.05
55)	T	1,1,2-Trichlor...	0.313	0.358	0.393	0.396	0.352	0.347	0.360	8.61
56)	T	Ethyl methacry...	0.405	0.466	0.562	0.617	0.563	0.569	0.530	14.84

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X081525W.M

57)	T	1,3-Dichloropr...	0.553	0.591	0.672	0.670	0.600	0.592	0.613	7.78
58)	T	2-Chloroethyl ...	0.103	0.191	0.184	0.274	0.256	0.259	0.211	30.82
59)	T	2-Hexanone	0.239	0.284	0.338	0.347	0.310	0.306	0.304	12.89
60)	T	Dibromochlorom...	0.382	0.412	0.461	0.464	0.426	0.420	0.428	7.31
61)	T	1,2-Dibromoethane	0.336	0.358	0.397	0.409	0.365	0.361	0.371	7.24
62)	S	4-Bromofluorob...		0.441	0.371	0.428	0.452	0.448	0.428	7.78
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.316	0.351	0.384	0.398	0.360	0.360	0.362	7.79
65)	PM	Chlorobenzene	1.073	1.163	1.268	1.286	1.163	1.175	1.188	6.58
66)	T	1,1,1,2-Tetrac...	0.345	0.389	0.423	0.441	0.403	0.409	0.402	8.27
67)	C	Ethyl Benzene	1.718	1.941	2.216	2.277	2.062	2.056	2.045	9.81#
68)	T	m/p-Xylenes	0.642	0.722	0.831	0.858	0.765	0.759	0.763	10.18
69)	T	o-Xylene	0.651	0.679	0.793	0.813	0.735	0.732	0.734	8.55
70)	T	Styrene	0.909	1.186	1.397	1.411	1.271	1.266	1.240	14.80
71)	P	Bromoform	0.241	0.294	0.322	0.335	0.306	0.313	0.302	10.89
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.211	3.547	4.192	4.399	4.048	4.080	3.913	11.36
74)	T	N-amyl acetate	1.047	1.230	1.539	1.729	1.658	1.712	1.486	19.05
75)	P	1,1,2,2-Tetrac...	1.044	1.077	1.208	1.269	1.142	1.152	1.149	7.19
76)	T	1,2,3-Trichlor...	0.818	0.888	0.941	1.014	0.919	0.921	0.917	6.98
77)	T	Bromobenzene	0.797	0.909	1.017	1.053	0.978	0.977	0.955	9.54
78)	T	n-propylbenzene	3.905	4.263	5.031	5.179	4.817	4.844	4.673	10.45
79)	T	2-Chlorotoluene	2.545	2.612	3.039	3.096	2.828	2.830	2.825	7.80
80)	T	1,3,5-Trimethy...	2.716	2.909	3.463	3.588	3.311	3.329	3.219	10.44
81)	T	trans-1,4-Dich...		0.089	0.141	0.199	0.215	0.246	0.178	35.26
82)	T	4-Chlorotoluene	3.043	3.128	3.542	3.630	3.299	3.338	3.330	6.83
83)	T	tert-Butylbenzene	2.658	2.867	3.451	3.619	3.334	3.342	3.212	11.48
84)	T	1,2,4-Trimethy...	2.516	2.990	3.521	3.645	3.318	3.326	3.219	12.74
85)	T	sec-Butylbenzene	3.273	3.630	4.323	4.417	4.101	4.142	3.981	11.07
86)	T	p-Isopropyltol...	2.961	3.071	3.569	3.726	3.416	3.469	3.369	8.75
87)	T	1,3-Dichlorobe...	1.710	1.719	1.907	1.983	1.811	1.823	1.825	5.82
88)	T	1,4-Dichlorobe...	1.936	1.788	1.952	1.986	1.788	1.814	1.877	4.81
89)	T	n-Butylbenzene	2.816	2.796	3.309	3.444	3.208	3.227	3.133	8.52
90)	T	Hexachloroethane	0.529	0.505	0.584	0.653	0.618	0.657	0.591	10.74
91)	T	1,2-Dichlorobe...	1.631	1.617	1.851	1.862	1.705	1.729	1.733	6.06
92)	T	1,2-Dibromo-3-...	0.191	0.182	0.225	0.247	0.238	0.249	0.222	13.01
93)	T	1,2,4-Trichlor...	1.144	1.030	1.168	1.234	1.191	1.204	1.161	6.16
94)	T	Hexachlorobuta...	0.562	0.367	0.387	0.404	0.376	0.383	0.413	17.91
95)	T	Naphthalene	2.674	2.705	3.401	3.779	3.639	3.717	3.319	15.20
96)	T	1,2,3-Trichlor...	1.075	0.919	1.109	1.174	1.132	1.160	1.095	8.48

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	281608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	479446	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	434591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	224159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	19963	5.065	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 10.140%#			
35) Dibromofluoromethane	5.397	113	14862	4.776	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 9.560%#			
50) Toluene-d8	8.653	98	55469	4.987	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 9.980%#			
62) 4-Bromofluorobenzene	11.079	95	21138	5.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 10.300%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	15718	4.378	ug/l	97
3) Chloromethane	1.313	50	15170	4.697	ug/l	92
4) Vinyl Chloride	1.392	62	18322	4.520	ug/l	94
5) Bromomethane	1.624	94	7076	4.322	ug/l	94
6) Chloroethane	1.709	64	11042	4.452	ug/l	96
7) Trichlorofluoromethane	1.904	101	28485	4.751	ug/l	93
8) Diethyl Ether	2.148	74	9891	4.685	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.343	101	16582	4.768	ug/l	99
10) Methyl Iodide	2.471	142	23080	3.872	ug/l	97
11) Tert butyl alcohol	2.965	59	7340	21.408	ug/l #	89
12) 1,1-Dichloroethene	2.337	96	16204	4.570	ug/l	92
13) Acrolein	2.252	56	18274	25.248	ug/l	97
14) Allyl chloride	2.678	41	28797	4.676	ug/l	100
15) Acrylonitrile	3.087	53	36613	22.099	ug/l	97
16) Acetone	2.392	43	36440	24.598	ug/l	94
17) Carbon Disulfide	2.532	76	49197	4.598	ug/l	99
18) Methyl Acetate	2.721	43	17456	4.547	ug/l	93
19) Methyl tert-butyl Ether	3.130	73	49799	4.617	ug/l	100
20) Methylene Chloride	2.806	84	18175	4.633	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	17974	4.776	ug/l	88
22) Diisopropyl ether	3.776	45	57311	4.708	ug/l	96
23) Vinyl Acetate	3.739	43	224747	22.525	ug/l	100
24) 1,1-Dichloroethane	3.623	63	33241	4.831	ug/l	99
25) 2-Butanone	4.581	43	46235	23.830	ug/l	97
26) 2,2-Dichloropropane	4.489	77	24325	4.684	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	21338	4.868	ug/l	96
28) Bromochloromethane	4.916	49	15283	5.338	ug/l	98
29) Tetrahydrofuran	5.038	42	28938m	23.076	ug/l	
30) Chloroform	5.105	83	34798	4.955	ug/l	97
31) Cyclohexane	5.483	56	28847	4.548	ug/l	91
32) 1,1,1-Trichloroethane	5.404	97	29367	4.859	ug/l	99
36) 1,1-Dichloropropene	5.702	75	22796	4.641	ug/l	96
37) Ethyl Acetate	4.739	43	23521	4.613	ug/l	99
38) Carbon Tetrachloride	5.690	117	25718	4.791	ug/l	96
39) Methylcyclohexane	7.385	83	28242	4.609	ug/l	98
40) Benzene	6.050	78	72021	4.899	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.958	41	9185	4.271 ug/l #	91
42) 1,2-Dichloroethane	6.099	62	24979	4.796 ug/l	99
43) Isopropyl Acetate	6.361	43	31621	4.316 ug/l	97
44) Trichloroethene	7.135	130	18386	4.884 ug/l	99
45) 1,2-Dichloropropane	7.434	63	16729	4.542 ug/l	95
46) Dibromomethane	7.592	93	13062	4.885 ug/l	97
47) Bromodichloromethane	7.824	83	26280	4.741 ug/l	95
48) Methyl methacrylate	7.702	41	16053	4.222 ug/l	99
49) 1,4-Dioxane	7.696	88	3959m	109.635 ug/l	
51) 4-Methyl-2-Pentanone	8.580	43	97891	23.221 ug/l	97
52) Toluene	8.720	92	44099	4.854 ug/l	98
53) t-1,3-Dichloropropene	8.982	75	21300	4.403 ug/l	94
54) cis-1,3-Dichloropropene	8.373	75	25475	4.652 ug/l	93
55) 1,1,2-Trichloroethane	9.153	97	17150	4.972 ug/l #	83
56) Ethyl methacrylate	9.122	69	22362	4.397 ug/l	97
57) 1,3-Dichloropropane	9.311	76	28336	4.821 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.245	63	45735	26.559 ug/l	98
59) 2-Hexanone	9.433	43	68164	23.375 ug/l	96
60) Dibromochloromethane	9.519	129	19760	4.820 ug/l	97
61) 1,2-Dibromoethane	9.610	107	17154	4.823 ug/l	97
64) Tetrachloroethene	9.275	164	15266	4.856 ug/l	91
65) Chlorobenzene	10.080	112	50559	4.896 ug/l	95
66) 1,1,1,2-Tetrachloroethane	10.165	131	16894	4.839 ug/l	96
67) Ethyl Benzene	10.195	91	84363	4.746 ug/l	98
68) m/p-Xylenes	10.299	106	62714	9.462 ug/l	97
69) o-Xylene	10.640	106	29488	4.623 ug/l	100
70) Styrene	10.653	104	51543	4.783 ug/l	98
71) Bromoform	10.799	173	12769	4.869 ug/l #	94
73) Isopropylbenzene	10.964	105	79512	4.533 ug/l	99
74) N-amyl acetate	10.842	43	27565	4.138 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	24139	4.687 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	19912m	4.843 ug/l	
77) Bromobenzene	11.195	156	20380	4.758 ug/l	96
78) n-propylbenzene	11.305	91	95550	4.561 ug/l	100
79) 2-Chlorotoluene	11.366	91	58544	4.623 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	65210	4.518 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.018	75	1992	9.640 ug/l	87
82) 4-Chlorotoluene	11.451	91	70117	4.697 ug/l	98
83) tert-Butylbenzene	11.713	119	64267	4.463 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	67032	4.644 ug/l	98
85) sec-Butylbenzene	11.890	105	81375	4.559 ug/l	99
86) p-Isopropyltoluene	12.006	119	68849	4.559 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	38531	4.709 ug/l	99
88) 1,4-Dichlorobenzene	12.037	146	40089	4.763 ug/l	93
89) n-Butylbenzene	12.329	91	62666	4.461 ug/l	99
90) Hexachloroethane	12.536	117	11325	4.274 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	36248	4.667 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	4081	4.097 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	23080	4.432 ug/l	96
94) Hexachlorobutadiene	13.725	225	8221	4.436 ug/l	94
95) Naphthalene	13.774	128	60645	4.076 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	20611	4.199 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

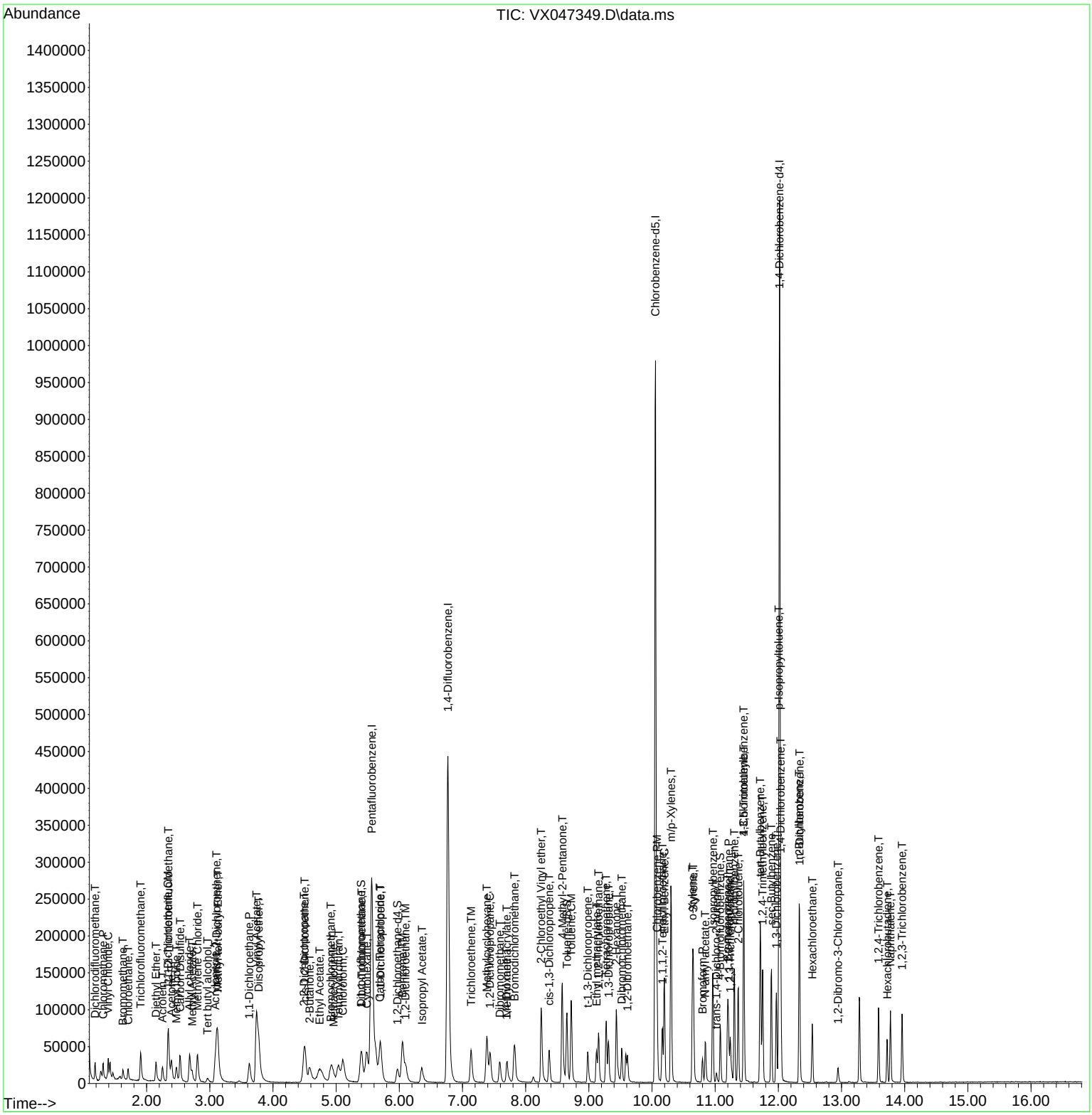
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047349.D
Acq On : 15 Aug 2025 09:40
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 18 02:52:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	259497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	434596	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	392362	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	60290	16.601	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 33.200%#			
35) Dibromofluoromethane	5.397	113	48382	17.153	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 34.300%#			
50) Toluene-d8	8.653	98	172730	17.133	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 34.260%#			
62) 4-Bromofluorobenzene	11.079	95	64433	17.320	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 34.640%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	66192	20.010	ug/l	96
3) Chloromethane	1.313	50	58950	19.810	ug/l	96
4) Vinyl Chloride	1.392	62	77968	20.874	ug/l	99
5) Bromomethane	1.624	94	30761	20.389	ug/l	89
6) Chloroethane	1.703	64	45658	19.979	ug/l	100
7) Trichlorofluoromethane	1.904	101	116366	21.062	ug/l	96
8) Diethyl Ether	2.148	74	40131	20.629	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	68887	21.495	ug/l	100
10) Methyl Iodide	2.471	142	94708	17.244	ug/l	99
11) Tert butyl alcohol	2.965	59	30471	96.445	ug/l	98
12) 1,1-Dichloroethene	2.337	96	68973	21.110	ug/l	98
13) Acrolein	2.252	56	63232	94.809	ug/l	100
14) Allyl chloride	2.678	41	118613	20.902	ug/l	99
15) Acrylonitrile	3.081	53	163095	106.830	ug/l	99
16) Acetone	2.392	43	161019	117.954	ug/l	95
17) Carbon Disulfide	2.532	76	198834	20.167	ug/l	98
18) Methyl Acetate	2.715	43	68662	19.410	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	209527	21.080	ug/l	98
20) Methylene Chloride	2.806	84	76029	21.033	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	73205	21.110	ug/l	99
22) Diisopropyl ether	3.776	45	246210	21.949	ug/l	98
23) Vinyl Acetate	3.733	43	996178	108.348	ug/l	97
24) 1,1-Dichloroethane	3.629	63	134271	21.177	ug/l	99
25) 2-Butanone	4.568	43	195973	109.614	ug/l	96
26) 2,2-Dichloropropane	4.489	77	101341	21.177	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	85695	21.217	ug/l	98
28) Bromochloromethane	4.910	49	41717	15.812	ug/l	100
29) Tetrahydrofuran	5.032	42	117869	102.002	ug/l	97
30) Chloroform	5.105	83	137885	21.309	ug/l	96
31) Cyclohexane	5.483	56	124775	21.348	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	119441	21.445	ug/l	98
36) 1,1-Dichloropropene	5.702	75	95703	21.494	ug/l	99
37) Ethyl Acetate	4.727	43	98709	21.355	ug/l	96
38) Carbon Tetrachloride	5.690	117	103616	21.296	ug/l	96
39) Methylcyclohexane	7.385	83	116913	21.051	ug/l	95
40) Benzene	6.050	78	289406	21.716	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	42490	21.799	ug/l		96
42) 1,2-Dichloroethane	6.098	62	103227	21.867	ug/l		98
43) Isopropyl Acetate	6.348	43	141062	21.243	ug/l		99
44) Trichloroethene	7.135	130	73526	21.546	ug/l		94
45) 1,2-Dichloropropane	7.434	63	72118	21.601	ug/l		100
46) Dibromomethane	7.586	93	52472	21.648	ug/l		99
47) Bromodichloromethane	7.824	83	107990	21.491	ug/l		98
48) Methyl methacrylate	7.696	41	72765	21.111	ug/l		100
49) 1,4-Dioxane	7.684	88	13554m	414.079	ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	416671	109.039	ug/l		100
52) Toluene	8.720	92	181368	22.024	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	93302	21.275	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	105701	21.294	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	68282	21.838	ug/l		98
56) Ethyl methacrylate	9.116	69	97675	21.188	ug/l		99
57) 1,3-Dichloropropane	9.311	76	116737	21.910	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	159793	78.521	ug/l		99
59) 2-Hexanone	9.433	43	293885	111.182	ug/l		100
60) Dibromochloromethane	9.519	129	80119	21.561	ug/l		98
61) 1,2-Dibromoethane	9.610	107	68961	21.388	ug/l		99
64) Tetrachloroethene	9.275	164	60329	21.257	ug/l		93
65) Chlorobenzene	10.079	112	198998	21.342	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	66366	21.056	ug/l		99
67) Ethyl Benzene	10.195	91	347834	21.675	ug/l		99
68) m/p-Xylenes	10.299	106	260945	43.608	ug/l		98
69) o-Xylene	10.640	106	124422	21.606	ug/l		99
70) Styrene	10.653	104	219310	22.540	ug/l		99
71) Bromoform	10.799	173	50519	21.335	ug/l	#	99
73) Isopropylbenzene	10.963	105	329846	21.425	ug/l		99
74) N-amyl acetate	10.842	43	121116	20.717	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	95098	21.039	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	74083m	20.531	ug/l		
77) Bromobenzene	11.195	156	80066	21.298	ug/l		99
78) n-propylbenzene	11.305	91	395888	21.531	ug/l		99
79) 2-Chlorotoluene	11.360	91	239133	21.515	ug/l		97
80) 1,3,5-Trimethylbenzene	11.451	105	272501	21.513	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11057	19.090	ug/l		90
82) 4-Chlorotoluene	11.451	91	278705	21.272	ug/l		99
83) tert-Butylbenzene	11.713	119	271541	21.487	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	277110	21.876	ug/l		100
85) sec-Butylbenzene	11.890	105	340203	21.719	ug/l		99
86) p-Isopropyltoluene	12.006	119	280855	21.189	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	150028	20.890	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	153630	20.798	ug/l		99
89) n-Butylbenzene	12.329	91	260428	21.124	ug/l		99
90) Hexachloroethane	12.536	117	45934	19.754	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	145629	21.363	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	17698	20.246	ug/l		100
93) 1,2,4-Trichlorobenzene	13.585	180	91878	20.105	ug/l		100
94) Hexachlorobutadiene	13.719	225	30481	18.738	ug/l		98
95) Naphthalene	13.774	128	267664	20.495	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	87275	20.261	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

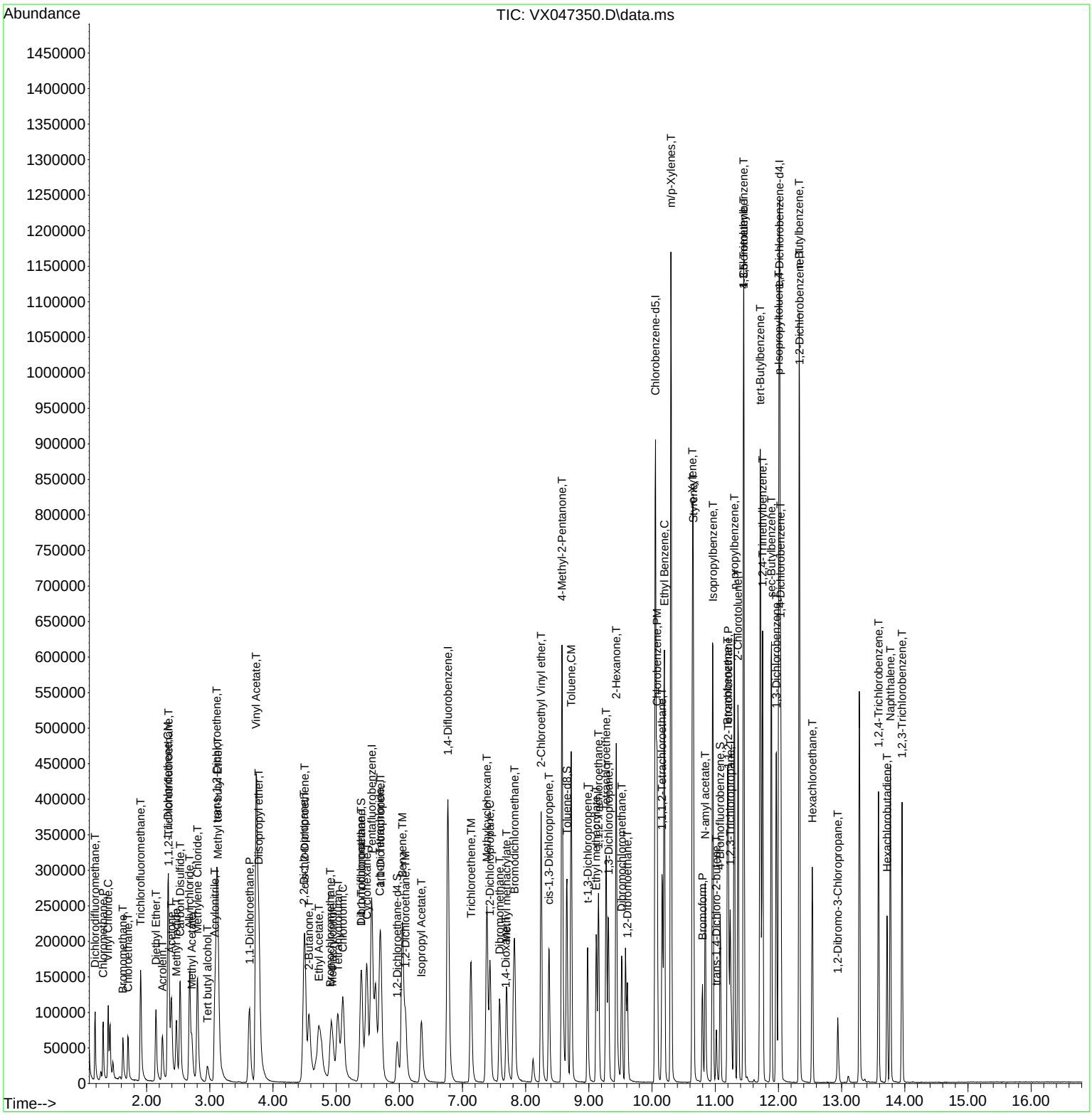
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047350.D
Acq On : 15 Aug 2025 10:01
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 18 02:53:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	238847	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	405572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	363128	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	177366	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	167238	50.030	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.060%			
35) Dibromofluoromethane	5.397	113	134437	51.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.140%			
50) Toluene-d8	8.653	98	475041	50.492	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.980%			
62) 4-Bromofluorobenzene	11.079	95	173764	50.050	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	174629	57.354	ug/l	100
3) Chloromethane	1.313	50	148962	54.385	ug/l	100
4) Vinyl Chloride	1.392	62	191163	55.604	ug/l	100
5) Bromomethane	1.630	94	80221	57.770	ug/l	100
6) Chloroethane	1.709	64	110475	52.521	ug/l	100
7) Trichlorofluoromethane	1.904	101	283655	55.781	ug/l	100
8) Diethyl Ether	2.148	74	99184	55.393	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	166491	56.441	ug/l	100
10) Methyl Iodide	2.471	142	277741	54.943	ug/l	100
11) Tert butyl alcohol	2.959	59	81382	279.856	ug/l	100
12) 1,1-Dichloroethene	2.337	96	166359	55.319	ug/l	100
13) Acrolein	2.251	56	157735	256.954	ug/l	100
14) Allyl chloride	2.678	41	289338	55.394	ug/l	100
15) Acrylonitrile	3.081	53	405784	288.775	ug/l	100
16) Acetone	2.392	43	334538	266.252	ug/l	100
17) Carbon Disulfide	2.532	76	476020	52.455	ug/l	100
18) Methyl Acetate	2.715	43	183721	56.425	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	519477	56.782	ug/l	100
20) Methylene Chloride	2.806	84	180921	54.377	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	173226	54.272	ug/l	100
22) Diisopropyl ether	3.776	45	587571	56.909	ug/l	100
23) Vinyl Acetate	3.733	43	2436350	287.897	ug/l	100
24) 1,1-Dichloroethane	3.623	63	323982	55.516	ug/l	100
25) 2-Butanone	4.568	43	464136	282.051	ug/l	100
26) 2,2-Dichloropropane	4.495	77	242859	55.137	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	202109	54.366	ug/l	100
28) Bromochloromethane	4.910	49	129079	53.153	ug/l	100
29) Tetrahydrofuran	5.025	42	293474	275.925	ug/l	100
30) Chloroform	5.105	83	326781	54.867	ug/l	100
31) Cyclohexane	5.483	56	288914	53.705	ug/l	100
32) 1,1,1-Trichloroethane	5.397	97	285500	55.692	ug/l	100
36) 1,1-Dichloropropene	5.708	75	228086	54.893	ug/l	100
37) Ethyl Acetate	4.721	43	239310	55.477	ug/l	100
38) Carbon Tetrachloride	5.690	117	246368	54.258	ug/l	100
39) Methylcyclohexane	7.391	83	281960	54.402	ug/l	100
40) Benzene	6.050	78	689965	55.477	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.940	41	104680	57.547	ug/l	100
42) 1,2-Dichloroethane	6.098	62	243489	55.271	ug/l	100
43) Isopropyl Acetate	6.348	43	352090	56.817	ug/l	100
44) Trichloroethene	7.135	130	175409	55.081	ug/l	100
45) 1,2-Dichloropropane	7.433	63	170556	54.740	ug/l	100
46) Dibromomethane	7.586	93	122428	54.124	ug/l	100
47) Bromodichloromethane	7.824	83	257393	54.888	ug/l	100
48) Methyl methacrylate	7.696	41	180568	56.136	ug/l	100
49) 1,4-Dioxane	7.677	88	36298	1188.274	ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	1031709	289.311	ug/l	100
52) Toluene	8.720	92	428577	55.767	ug/l	100
53) t-1,3-Dichloropropene	8.976	75	237021	57.913	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	260352	56.202	ug/l	100
55) 1,1,2-Trichloroethane	9.153	97	160439	54.984	ug/l	100
56) Ethyl methacrylate	9.116	69	250221	58.164	ug/l	100
57) 1,3-Dichloropropane	9.311	76	271755	54.656	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	555513	269.738	ug/l	100
59) 2-Hexanone	9.433	43	703268	285.099	ug/l	100
60) Dibromochloromethane	9.518	129	188384	54.326	ug/l	100
61) 1,2-Dibromoethane	9.610	107	165776	55.095	ug/l	100
64) Tetrachloroethene	9.275	164	144361	54.962	ug/l	100
65) Chlorobenzene	10.079	112	467009	54.119	ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	160305	54.954	ug/l	100
67) Ethyl Benzene	10.195	91	826783	55.667	ug/l	100
68) m/p-Xylenes	10.299	106	622895	112.475	ug/l	100
69) o-Xylene	10.640	106	295290	55.407	ug/l	100
70) Styrene	10.652	104	512239	56.883	ug/l	100
71) Bromoform	10.799	173	121692	55.530	ug/l	100
73) Isopropylbenzene	10.963	105	780181	56.210	ug/l	100
74) N-amyl acetate	10.841	43	306720	58.194	ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	225063	55.228	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	179785m	55.266	ug/l	
77) Bromobenzene	11.195	156	186832	55.124	ug/l	100
78) n-propylbenzene	11.299	91	918573	55.413	ug/l	100
79) 2-Chlorotoluene	11.360	91	549070	54.793	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	636323	55.720	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	35295	47.608	ug/l	100
82) 4-Chlorotoluene	11.451	91	643830	54.505	ug/l	100
83) tert-Butylbenzene	11.713	119	641951	56.344	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	646548	56.614	ug/l	100
85) sec-Butylbenzene	11.890	105	783341	55.470	ug/l	100
86) p-Isopropyltoluene	12.006	119	660872	55.303	ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	351718	54.320	ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	352196	52.886	ug/l	100
89) n-Butylbenzene	12.329	91	610840	54.957	ug/l	100
90) Hexachloroethane	12.536	117	115780	55.228	ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	330287	53.742	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	43861	55.654	ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	218820	53.111	ug/l	100
94) Hexachlorobutadiene	13.725	225	71744	48.921	ug/l	100
95) Naphthalene	13.774	128	670303	56.930	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	208179	53.605	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

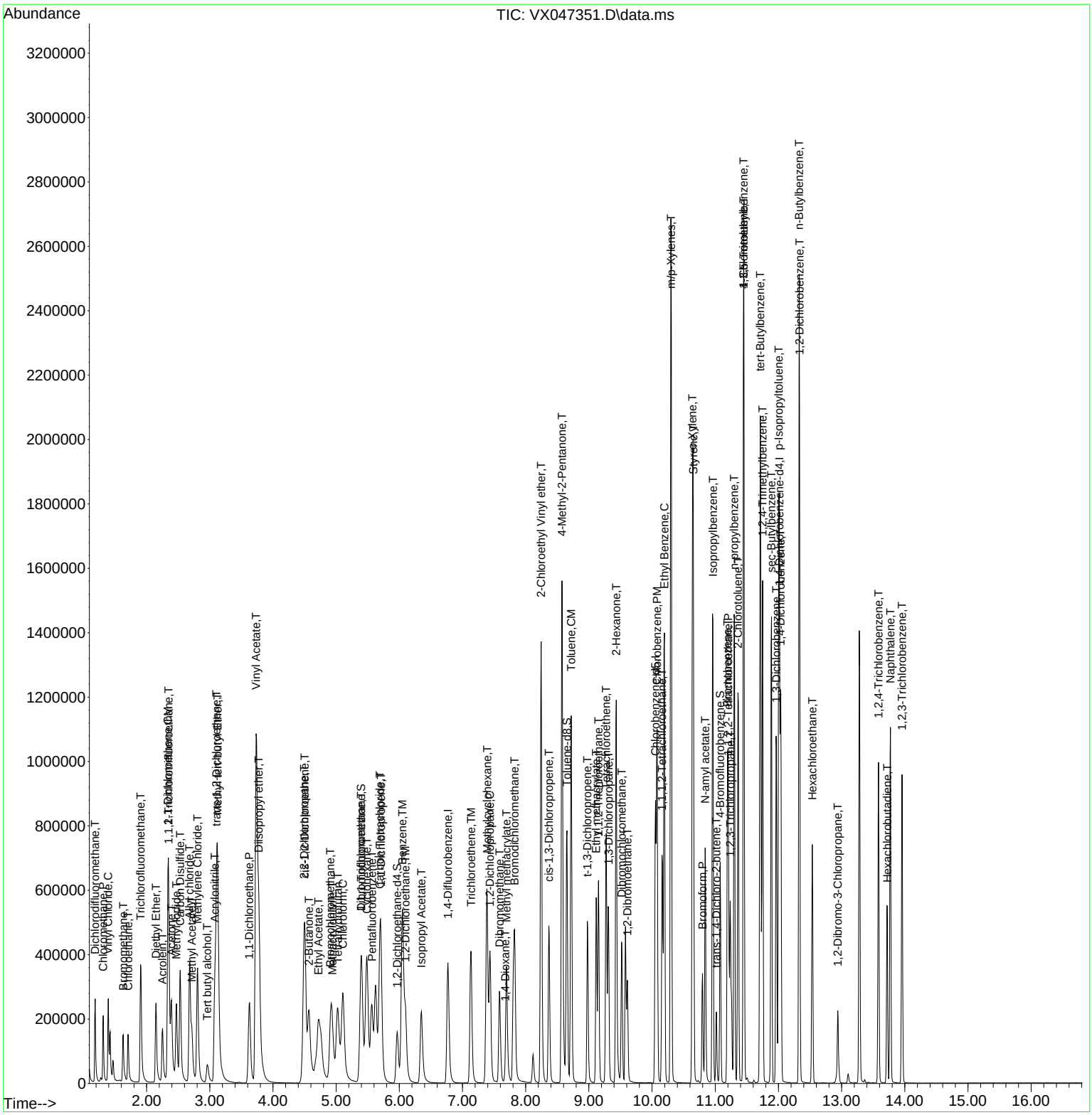
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047351.D
Acq On : 15 Aug 2025 10:22
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 18 02:53:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	230991	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	391443	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345492	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	345087	106.746	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117			Recovery = 213.500%#		
35) Dibromofluoromethane	5.397	113	276832	108.967	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124			Recovery = 217.940%#		
50) Toluene-d8	8.653	98	975414	107.419	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112			Recovery = 214.840%#		
62) 4-Bromofluorobenzene	11.079	95	353668	105.546	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123			Recovery = 211.100%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	309782	105.204	ug/l	99
3) Chloromethane	1.313	50	261885	98.864	ug/l	96
4) Vinyl Chloride	1.392	62	336909	101.331	ug/l	97
5) Bromomethane	1.624	94	142644	106.217	ug/l	96
6) Chloroethane	1.703	64	189413	93.112	ug/l	98
7) Trichlorofluoromethane	1.904	101	489572	99.548	ug/l	99
8) Diethyl Ether	2.148	74	171145	98.832	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	288420	101.101	ug/l	99
10) Methyl Iodide	2.471	142	545687	111.619	ug/l	98
11) Tert butyl alcohol	2.971	59	143673	510.865	ug/l	99
12) 1,1-Dichloroethene	2.337	96	293450	100.899	ug/l	99
13) Acrolein	2.252	56	294322	495.763	ug/l	100
14) Allyl chloride	2.678	41	512225	101.402	ug/l	99
15) Acrylonitrile	3.081	53	691797	509.058	ug/l	100
16) Acetone	2.392	43	554774	456.549	ug/l	98
17) Carbon Disulfide	2.532	76	840388	95.757	ug/l	100
18) Methyl Acetate	2.715	43	318444	101.128	ug/l	100
19) Methyl tert-butyl Ether	3.129	73	906301	102.433	ug/l	98
20) Methylene Chloride	2.806	84	309183	96.088	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	302669	98.051	ug/l	99
22) Diisopropyl ether	3.776	45	1007141	100.865	ug/l	99
23) Vinyl Acetate	3.733	43	4206762	514.008	ug/l	99
24) 1,1-Dichloroethane	3.623	63	558936	99.034	ug/l	99
25) 2-Butanone	4.568	43	789816	496.288	ug/l	98
26) 2,2-Dichloropropane	4.489	77	434139	101.916	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	355238	98.806	ug/l	99
28) Bromochloromethane	4.910	49	258648	110.131	ug/l	99
29) Tetrahydrofuran	5.019	42	505709	491.640	ug/l	98
30) Chloroform	5.105	83	560984	97.394	ug/l	100
31) Cyclohexane	5.489	56	499975	96.100	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	499294	100.709	ug/l	99
36) 1,1-Dichloropropene	5.702	75	398144	99.278	ug/l	100
37) Ethyl Acetate	4.727	43	413279	99.265	ug/l	99
38) Carbon Tetrachloride	5.690	117	430061	98.132	ug/l	99
39) Methylcyclohexane	7.385	83	500907	100.134	ug/l	97
40) Benzene	6.050	78	1186760	98.866	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.940	41	191678	109.177 ug/l	95
42) 1,2-Dichloroethane	6.098	62	416430	97.940 ug/l	99
43) Isopropyl Acetate	6.348	43	624423	104.400 ug/l	100
44) Trichloroethene	7.135	130	304976	99.224 ug/l	98
45) 1,2-Dichloropropane	7.434	63	298616	99.300 ug/l	97
46) Dibromomethane	7.586	93	214069	98.052 ug/l	99
47) Bromodichloromethane	7.824	83	452578	99.995 ug/l	100
48) Methyl methacrylate	7.696	41	322487	103.875 ug/l	99
49) 1,4-Dioxane	7.684	88	61142	2073.830 ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	1766006	513.097 ug/l	99
52) Toluene	8.720	92	733119	98.837 ug/l	100
53) t-1,3-Dichloropropene	8.982	75	423279	107.156 ug/l	97
54) cis-1,3-Dichloropropene	8.366	75	463640	103.698 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	275607	97.863 ug/l	98
56) Ethyl methacrylate	9.116	69	440765	106.154 ug/l	100
57) 1,3-Dichloropropane	9.311	76	469804	97.899 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	1000312	496.016 ug/l	99
59) 2-Hexanone	9.433	43	1215128	510.384 ug/l	100
60) Dibromochloromethane	9.519	129	333420	99.621 ug/l	100
61) 1,2-Dibromoethane	9.610	107	285821	98.420 ug/l	98
64) Tetrachloroethene	9.275	164	248666	99.506 ug/l	98
65) Chlorobenzene	10.079	112	803672	97.887 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.165	131	278595	100.380 ug/l	99
67) Ethyl Benzene	10.195	91	1424862	100.832 ug/l	99
68) m/p-Xylenes	10.299	106	1056553	200.518 ug/l	99
69) o-Xylene	10.640	106	508020	100.188 ug/l	99
70) Styrene	10.652	104	878271	102.509 ug/l	100
71) Bromoform	10.799	173	211374	101.376 ug/l	99
73) Isopropylbenzene	10.963	105	1326045	103.466 ug/l	99
74) N-amyl acetate	10.841	43	543008	111.573 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	374215	99.448 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	301098m	100.238 ug/l	
77) Bromobenzene	11.195	156	320460	102.397 ug/l	99
78) n-propylbenzene	11.305	91	1577819	103.081 ug/l	100
79) 2-Chlorotoluene	11.360	91	926261	100.105 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	1084580	102.852 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	70384	93.696 ug/l	98
82) 4-Chlorotoluene	11.451	91	1080450	99.058 ug/l	99
83) tert-Butylbenzene	11.713	119	1092054	103.803 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	1086843	103.064 ug/l	99
85) sec-Butylbenzene	11.890	105	1343222	103.010 ug/l	99
86) p-Isopropyltoluene	12.006	119	1118938	101.405 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	593233	99.223 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	585597	95.231 ug/l	99
89) n-Butylbenzene	12.329	91	1050897	102.394 ug/l	100
90) Hexachloroethane	12.536	117	202423	104.570 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	558580	98.430 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	77939	107.101 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	389962	102.504 ug/l	98
94) Hexachlorobutadiene	13.719	225	123286	91.042 ug/l	98
95) Naphthalene	13.774	128	1191910	109.632 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	370778	103.395 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

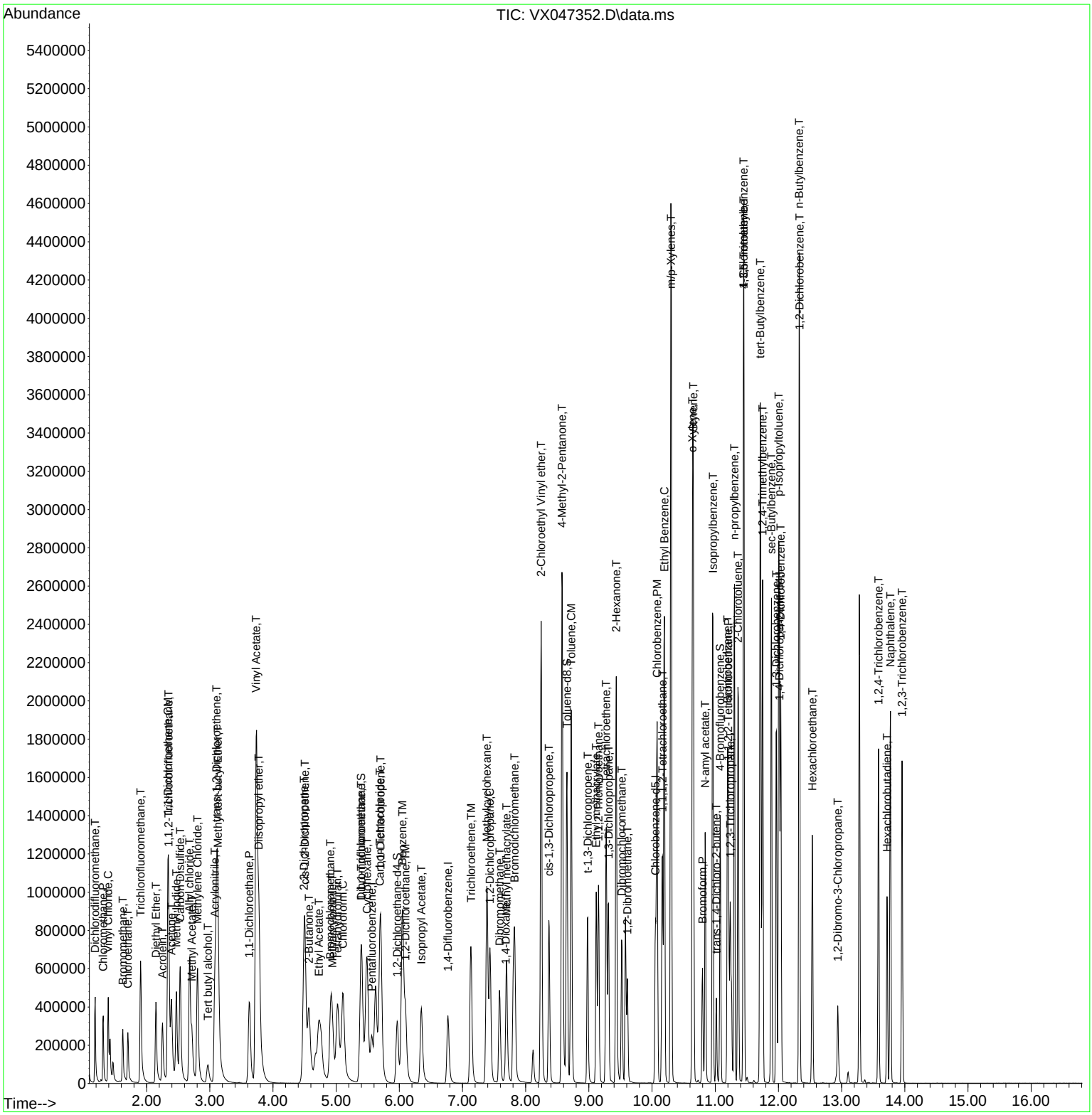
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047352.D
Acq On : 15 Aug 2025 10:43
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 02:54:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	218039	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	378315	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	330090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	153878	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	498398	163.328	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 326.660%#			
35) Dibromofluoromethane	5.397	113	396260	161.390	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 322.780%#			
50) Toluene-d8	8.653	98	1397755	159.272	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 318.540%#			
62) 4-Bromofluorobenzene	11.079	95	508844	157.125	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 314.240%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	445045	160.118	ug/l	98
3) Chloromethane	1.313	50	388526	155.385	ug/l	97
4) Vinyl Chloride	1.392	62	494933	157.702	ug/l	97
5) Bromomethane	1.618	94	170864	134.788	ug/l	100
6) Chloroethane	1.703	64	276042	143.758	ug/l	97
7) Trichlorofluoromethane	1.904	101	699331	150.647	ug/l	98
8) Diethyl Ether	2.148	74	251983	154.158	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	416485	154.664	ug/l	99
10) Methyl Iodide	2.471	142	794834	172.239	ug/l	98
11) Tert butyl alcohol	2.977	59	206679	778.553	ug/l	100
12) 1,1-Dichloroethene	2.337	96	425622	155.037	ug/l	99
13) Acrolein	2.252	56	429798	766.968	ug/l	100
14) Allyl chloride	2.678	41	735481	154.247	ug/l	99
15) Acrylonitrile	3.087	53	991254	772.742	ug/l	100
16) Acetone	2.392	43	784600	684.039	ug/l	99
17) Carbon Disulfide	2.532	76	1212975	146.420	ug/l	100
18) Methyl Acetate	2.715	43	476497	160.309	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	1317168	157.713	ug/l	100
20) Methylene Chloride	2.806	84	447216	147.242	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	434634	149.166	ug/l	98
22) Diisopropyl ether	3.776	45	1429793	151.699	ug/l	99
23) Vinyl Acetate	3.733	43	6020474	779.316	ug/l	100
24) 1,1-Dichloroethane	3.623	63	809793	152.005	ug/l	99
25) 2-Butanone	4.568	43	1122803	747.433	ug/l	98
26) 2,2-Dichloropropane	4.495	77	627662	156.100	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	509580	150.154	ug/l	99
28) Bromochloromethane	4.916	49	343257	154.839	ug/l	100
29) Tetrahydrofuran	5.019	42	717541	739.017	ug/l	97
30) Chloroform	5.105	83	812939	149.521	ug/l	99
31) Cyclohexane	5.483	56	727704	148.180	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	723635	154.630	ug/l	99
36) 1,1-Dichloropropene	5.702	75	570157	147.104	ug/l	99
37) Ethyl Acetate	4.727	43	593362	147.465	ug/l	97
38) Carbon Tetrachloride	5.690	117	628733	148.444	ug/l	98
39) Methylcyclohexane	7.385	83	729123	150.814	ug/l	97
40) Benzene	6.050	78	1706889	147.130	ug/l	100

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	262323	154.600	ug/l		98
42) 1,2-Dichloroethane	6.098	62	599255	145.829	ug/l		100
43) Isopropyl Acetate	6.348	43	910348	157.486	ug/l		100
44) Trichloroethene	7.129	130	443361	149.252	ug/l		98
45) 1,2-Dichloropropane	7.434	63	433512	149.161	ug/l		99
46) Dibromomethane	7.586	93	312886	148.288	ug/l		99
47) Bromodichloromethane	7.824	83	650767	148.773	ug/l		99
48) Methyl methacrylate	7.696	41	473316	157.749	ug/l		99
49) 1,4-Dioxane	7.677	88	88481	3105.263	ug/l		97
51) 4-Methyl-2-Pentanone	8.580	43	2521407	757.992	ug/l		100
52) Toluene	8.720	92	1052008	146.750	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	624499	163.583	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	682860	158.029	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	394302	144.868	ug/l		97
56) Ethyl methacrylate	9.116	69	646154	161.020	ug/l		99
57) 1,3-Dichloropropane	9.311	76	672087	144.911	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	1468000	748.853	ug/l		99
59) 2-Hexanone	9.433	43	1737616	755.168	ug/l		100
60) Dibromochloromethane	9.525	129	476650	147.358	ug/l		99
61) 1,2-Dibromoethane	9.610	107	410057	146.099	ug/l		99
64) Tetrachloroethene	9.275	164	356989	149.518	ug/l		99
65) Chlorobenzene	10.079	112	1163848	148.370	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	405123	152.780	ug/l		100
67) Ethyl Benzene	10.195	91	2036272	150.823	ug/l		99
68) m/p-Xylenes	10.299	106	1502542	298.466	ug/l		99
69) o-Xylene	10.640	106	725154	149.683	ug/l		100
70) Styrene	10.653	104	1253652	153.150	ug/l		99
71) Bromoform	10.799	173	309626	155.427	ug/l	#	99
73) Isopropylbenzene	10.963	105	1883521	156.417	ug/l		99
74) N-amyl acetate	10.842	43	790124	172.791	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	531651	150.375	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	425332m	150.704	ug/l		
77) Bromobenzene	11.195	156	451000	153.378	ug/l		99
78) n-propylbenzene	11.305	91	2235938	155.473	ug/l		99
79) 2-Chlorotoluene	11.366	91	1306418	150.272	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	1536791	155.110	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	113338	154.967	ug/l		97
82) 4-Chlorotoluene	11.451	91	1541070	150.376	ug/l		100
83) tert-Butylbenzene	11.713	119	1542621	156.062	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	1535261	154.952	ug/l		99
85) sec-Butylbenzene	11.890	105	1912224	156.078	ug/l		100
86) p-Isopropyltoluene	12.006	119	1601345	154.459	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	841394	149.783	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	837395	144.939	ug/l		100
89) n-Butylbenzene	12.329	91	1489473	154.462	ug/l		100
90) Hexachloroethane	12.536	117	303295	166.757	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	798192	149.701	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	115101	168.342	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	555658	155.453	ug/l		100
94) Hexachlorobutadiene	13.725	225	176870	139.013	ug/l		98
95) Naphthalene	13.774	128	1715681	167.959	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	535287	158.872	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
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 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 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

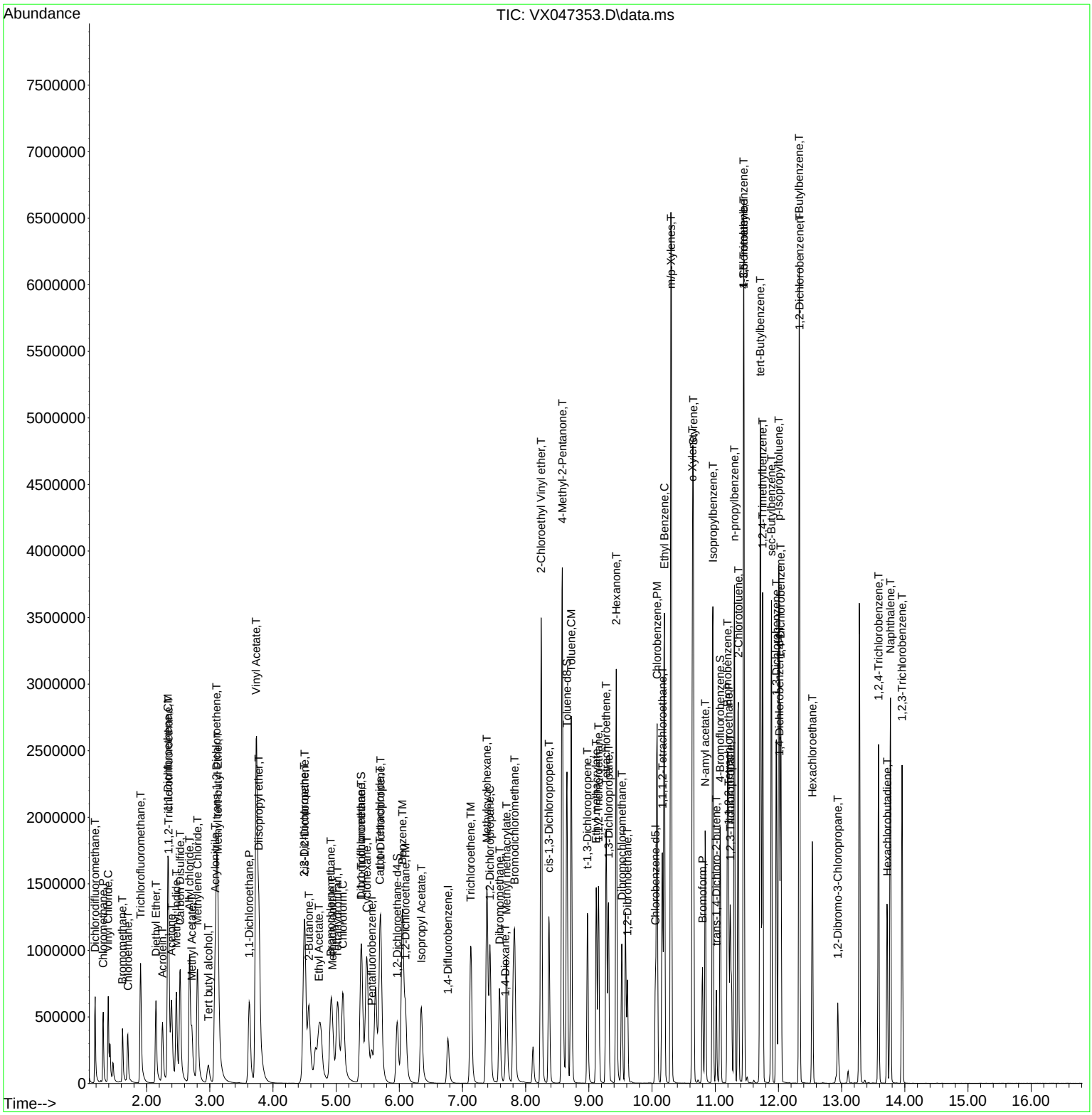
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047353.D
Acq On : 15 Aug 2025 11:05
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047356.D
Acq On : 15 Aug 2025 12:30
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:56:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	286149	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	494689	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	456440	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	228745	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	1.184	85	3127	0.857	ug/l	94
3) Chloromethane	1.313	50	3143	0.958	ug/l	99
4) Vinyl Chloride	1.392	62	3606	0.876	ug/l #	68
6) Chloroethane	1.709	64	2950	1.171	ug/l	91
7) Trichlorofluoromethane	1.904	101	5369	0.881	ug/l	86
8) Diethyl Ether	2.148	74	1947	0.908	ug/l	77
9) 1,1,2-Trichlorotrifluo...	2.349	101	2830	0.801	ug/l #	90
12) 1,1-Dichloroethene	2.337	96	3176	0.882	ug/l #	84
14) Allyl chloride	2.684	41	5441m	0.869	ug/l	
15) Acrylonitrile	3.087	53	7106	4.221	ug/l	89
16) Acetone	2.392	43	7123	4.732	ug/l	91
17) Carbon Disulfide	2.532	76	11842	1.089	ug/l #	93
18) Methyl Acetate	2.721	43	3556	0.912	ug/l #	84
19) Methyl tert-butyl Ether	3.129	73	8892	0.811	ug/l	95
20) Methylene Chloride	2.812	84	3953	0.992	ug/l	88
21) trans-1,2-Dichloroethene	3.111	96	3552	0.929	ug/l #	87
22) Diisopropyl ether	3.782	45	9930	0.803	ug/l	96
23) Vinyl Acetate	3.751	43	40393	3.984	ug/l #	90
24) 1,1-Dichloroethane	3.629	63	6019	0.861	ug/l #	85
25) 2-Butanone	4.605	43	8214	4.166	ug/l #	87
26) 2,2-Dichloropropane	4.489	77	4442	0.842	ug/l	80
27) cis-1,2-Dichloroethene	4.513	96	3960	0.889	ug/l	88
28) Bromochloromethane	4.934	49	2750	0.945	ug/l #	89
29) Tetrahydrofuran	5.044	42	6273m	4.923	ug/l	
30) Chloroform	5.117	83	6246	0.875	ug/l	86
32) 1,1,1-Trichloroethane	5.415	97	4939	0.804	ug/l #	49
36) 1,1-Dichloropropene	5.708	75	4692	0.926	ug/l	94
37) Ethyl Acetate	4.757	43	4864m	0.924	ug/l	
38) Carbon Tetrachloride	5.696	117	5100	0.921	ug/l	92
39) Methylcyclohexane	7.391	83	5884	0.931	ug/l	88
40) Benzene	6.056	78	12977	0.855	ug/l	92
41) Methacrylonitrile	4.958	41	1736m	0.782	ug/l	
42) 1,2-Dichloroethane	6.123	62	4784	0.890	ug/l	88
43) Isopropyl Acetate	6.366	43	6382	0.844	ug/l #	81
44) Trichloroethene	7.141	130	3329	0.857	ug/l	87
45) 1,2-Dichloropropane	7.446	63	3532	0.929	ug/l #	88

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047356.D
Acq On : 15 Aug 2025 12:30
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 02:56:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	2453	0.889	ug/l		94
47) Bromodichloromethane	7.830	83	5078	0.888	ug/l	#	98
48) Methyl methacrylate	7.720	41	3480m	0.887	ug/l		
49) 1,4-Dioxane	7.708	88	559m	15.003	ug/l		
51) 4-Methyl-2-Pentanone	8.586	43	17109	3.933	ug/l		96
52) Toluene	8.726	92	7930	0.846	ug/l		99
53) t-1,3-Dichloropropene	8.988	75	3671	0.735	ug/l		91
54) cis-1,3-Dichloropropene	8.378	75	4466	0.790	ug/l		94
55) 1,1,2-Trichloroethane	9.159	97	3095	0.870	ug/l		97
56) Ethyl methacrylate	9.128	69	4003	0.763	ug/l		94
57) 1,3-Dichloropropane	9.311	76	5471	0.902	ug/l		94
58) 2-Chloroethyl Vinyl ether	8.256	63	5074	10.313	ug/l		95
59) 2-Hexanone	9.439	43	11811	3.926	ug/l		92
60) Dibromochloromethane	9.524	129	3776	0.893	ug/l		87
61) 1,2-Dibromoethane	9.616	107	3325	0.906	ug/l		94
64) Tetrachloroethene	9.274	164	2888	0.875	ug/l		94
65) Chlorobenzene	10.079	112	9799	0.903	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.165	131	3146	0.858	ug/l	#	65
67) Ethyl Benzene	10.195	91	15680	0.840	ug/l		90
68) m/p-Xylenes	10.305	106	11714	1.683	ug/l		98
69) o-Xylene	10.640	106	5943	0.887	ug/l		93
70) Styrene	10.664	104	8294	0.733	ug/l		91
71) Bromoform	10.805	173	2201	0.799	ug/l	#	94
73) Isopropylbenzene	10.963	105	14688	0.821	ug/l		94
74) N-amyl acetate	10.853	43	4792	0.705	ug/l	#	94
75) 1,1,2,2-Tetrachloroethane	11.213	83	4778	0.909	ug/l		97
76) 1,2,3-Trichloropropane	11.244	75	3744m	0.892	ug/l		
77) Bromobenzene	11.201	156	3648	0.835	ug/l		92
78) n-propylbenzene	11.305	91	17866	0.836	ug/l		100
79) 2-Chlorotoluene	11.366	91	11644	0.901	ug/l		93
80) 1,3,5-Trimethylbenzene	11.451	105	12427	0.844	ug/l		99
82) 4-Chlorotoluene	11.457	91	13922	0.914	ug/l		97
83) tert-Butylbenzene	11.713	119	12162	0.828	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	11509	0.781	ug/l		99
85) sec-Butylbenzene	11.890	105	14973	0.822	ug/l		97
86) p-Isopropyltoluene	12.012	119	13546	0.879	ug/l		95
87) 1,3-Dichlorobenzene	11.975	146	7821	0.937	ug/l		97
88) 1,4-Dichlorobenzene	12.042	146	8856m	1.031	ug/l		
89) n-Butylbenzene	12.335	91	12883	0.899	ug/l		97
90) Hexachloroethane	12.536	117	2421	0.895	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	7461	0.941	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	12.945	75	876	0.862	ug/l		96
93) 1,2,4-Trichlorobenzene	13.591	180	5232	0.985	ug/l		99
94) Hexachlorobutadiene	13.725	225	2573	1.360	ug/l		95
95) Naphthalene	13.780	128	12231	0.805	ug/l		97
96) 1,2,3-Trichlorobenzene	13.957	180	4918	0.982	ug/l		99

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

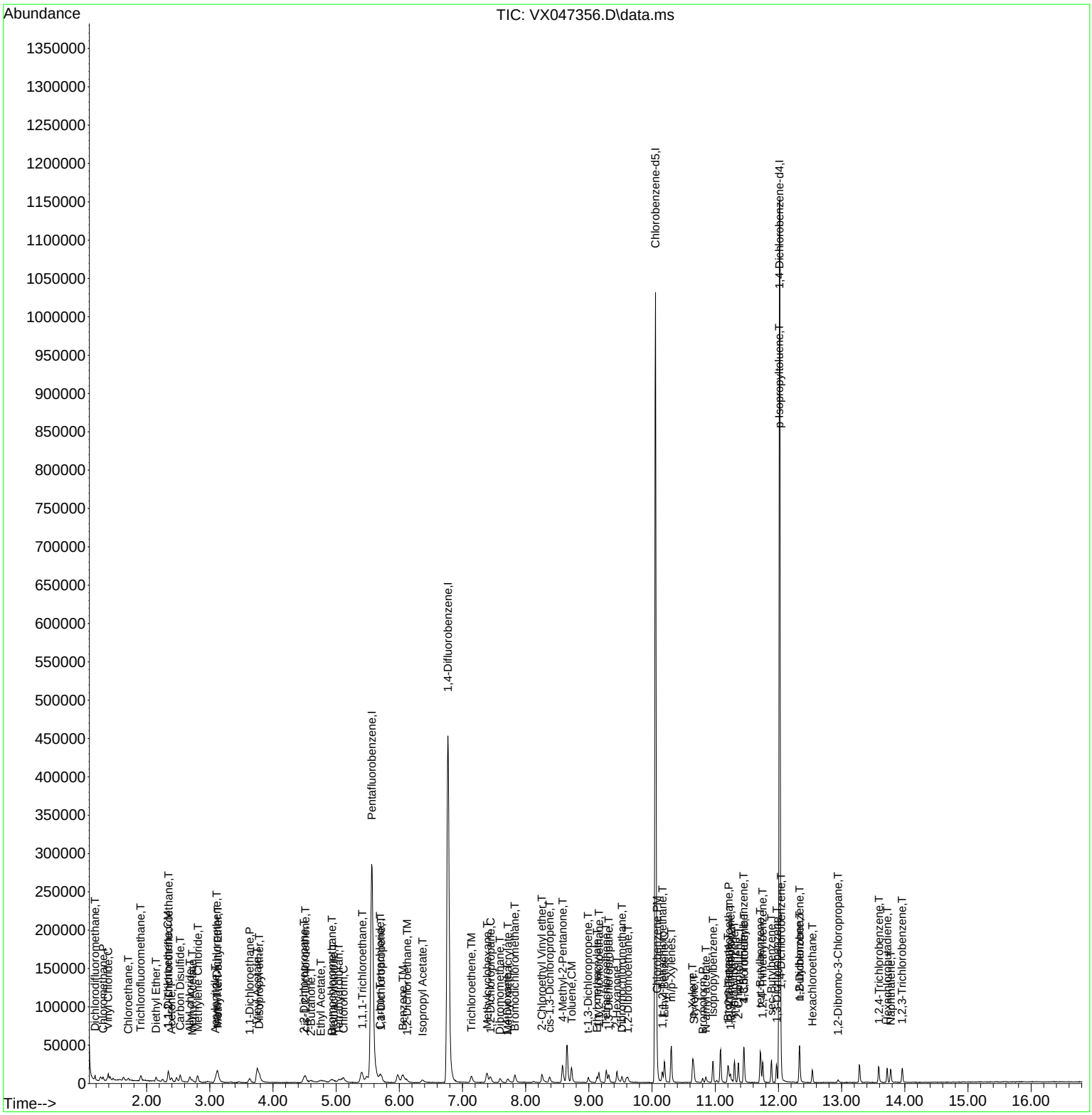
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047356.D
Acq On : 15 Aug 2025 12:30
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 02:56:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 02:51:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	250887	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	427543	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	379004	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	185789	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	192241	54.750	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.500%			
35) Dibromofluoromethane	5.391	113	153967	55.488	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.980%			
50) Toluene-d8	8.647	98	540007	54.448	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.900%			
62) 4-Bromofluorobenzene	11.079	95	200280	54.723	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	166246	51.981	ug/l	99
3) Chloromethane	1.313	50	143779	49.973	ug/l	96
4) Vinyl Chloride	1.392	62	183527	50.822	ug/l	97
5) Bromomethane	1.630	94	81779	56.066	ug/l	98
6) Chloroethane	1.703	64	109193	49.421	ug/l	99
7) Trichlorofluoromethane	1.904	101	266531	49.898	ug/l	99
8) Diethyl Ether	2.148	74	94290	50.132	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	155403	50.154	ug/l	99
10) Methyl Iodide	2.465	142	238348	44.887	ug/l	99
11) Tert butyl alcohol	2.959	59	70101	229.494	ug/l	97
12) 1,1-Dichloroethene	2.337	96	158941	50.316	ug/l	99
13) Acrolein	2.245	56	133586	207.171	ug/l	99
14) Allyl chloride	2.678	41	271599	49.503	ug/l	100
15) Acrylonitrile	3.075	53	369146	250.094	ug/l	99
16) Acetone	2.386	43	324930	246.195	ug/l	96
17) Carbon Disulfide	2.526	76	457873	48.034	ug/l	99
18) Methyl Acetate	2.715	43	163394	47.774	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	481187	50.072	ug/l	98
20) Methylene Chloride	2.800	84	173780	49.724	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	165465	49.352	ug/l	97
22) Diisopropyl ether	3.769	45	556979	51.358	ug/l	99
23) Vinyl Acetate	3.727	43	2264555	254.755	ug/l	99
24) 1,1-Dichloroethane	3.617	63	303962	49.586	ug/l	98
25) 2-Butanone	4.562	43	422081	244.186	ug/l	100
26) 2,2-Dichloropropane	4.483	77	232204	50.188	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	193324	49.507	ug/l	98
28) Bromochloromethane	4.903	49	145787	57.153	ug/l	100
29) Tetrahydrofuran	5.019	42	268867	240.659	ug/l	99
30) Chloroform	5.099	83	306888	49.055	ug/l	98
31) Cyclohexane	5.477	56	265960	47.066	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	263954	49.018	ug/l	99
36) 1,1-Dichloropropene	5.702	75	208616	47.627	ug/l	99
37) Ethyl Acetate	4.721	43	214695	47.213	ug/l	99
38) Carbon Tetrachloride	5.684	117	226854	47.393	ug/l	100
39) Methylcyclohexane	7.379	83	257199	47.074	ug/l	96
40) Benzene	6.043	78	638127	48.672	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	93517	48.768	ug/l		97
42) 1,2-Dichloroethane	6.086	62	226201	48.708	ug/l		99
43) Isopropyl Acetate	6.342	43	318400	48.740	ug/l		100
44) Trichloroethene	7.129	130	161053	47.974	ug/l		98
45) 1,2-Dichloropropane	7.427	63	160155	48.760	ug/l		98
46) Dibromomethane	7.580	93	115651	48.500	ug/l		98
47) Bromodichloromethane	7.824	83	237881	48.121	ug/l		100
48) Methyl methacrylate	7.690	41	164810	48.604	ug/l		99
49) 1,4-Dioxane	7.677	88	29362m	890.740	ug/l		
51) 4-Methyl-2-Pentanone	8.574	43	916499	243.797	ug/l		99
52) Toluene	8.720	92	394588	48.706	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	218807	50.716	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	243957	49.956	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	148831	48.385	ug/l		98
56) Ethyl methacrylate	9.116	69	227388	50.140	ug/l		100
57) 1,3-Dichloropropane	9.305	76	253108	48.290	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	480379	222.770	ug/l		98
59) 2-Hexanone	9.427	43	630542	242.481	ug/l		99
60) Dibromochloromethane	9.518	129	175911	48.122	ug/l		99
61) 1,2-Dibromoethane	9.610	107	152160	47.971	ug/l		99
64) Tetrachloroethene	9.275	164	131233	47.871	ug/l		98
65) Chlorobenzene	10.079	112	429835	47.724	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.159	131	146443	48.099	ug/l		99
67) Ethyl Benzene	10.189	91	756938	48.829	ug/l		99
68) m/p-Xylenes	10.299	106	570536	98.705	ug/l		99
69) o-Xylene	10.640	106	273804	49.223	ug/l		99
70) Styrene	10.652	104	471591	50.176	ug/l		100
71) Bromoform	10.799	173	110810	48.446	ug/l	#	99
73) Isopropylbenzene	10.957	105	718690	49.432	ug/l		100
74) N-amyl acetate	10.841	43	277245	50.217	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	205267	48.087	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	163259m	47.911	ug/l		
77) Bromobenzene	11.195	156	172064	48.465	ug/l		99
78) n-propylbenzene	11.299	91	856923	49.351	ug/l		99
79) 2-Chlorotoluene	11.360	91	506366	48.241	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	586315	49.013	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	32392	42.686	ug/l		99
82) 4-Chlorotoluene	11.451	91	592542	47.889	ug/l		99
83) tert-Butylbenzene	11.713	119	594831	49.841	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	595697	49.796	ug/l		99
85) sec-Butylbenzene	11.890	105	732328	49.507	ug/l		100
86) p-Isopropyltoluene	12.006	119	617508	49.332	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	325055	47.926	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	326132	46.752	ug/l		100
89) n-Butylbenzene	12.329	91	576963	49.556	ug/l		99
90) Hexachloroethane	12.536	117	107051	48.749	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	304391	47.283	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38911	47.135	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	206837	47.926	ug/l		98
94) Hexachlorobutadiene	13.725	225	66005	42.967	ug/l		98
95) Naphthalene	13.774	128	604650	49.026	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	194540	47.822	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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

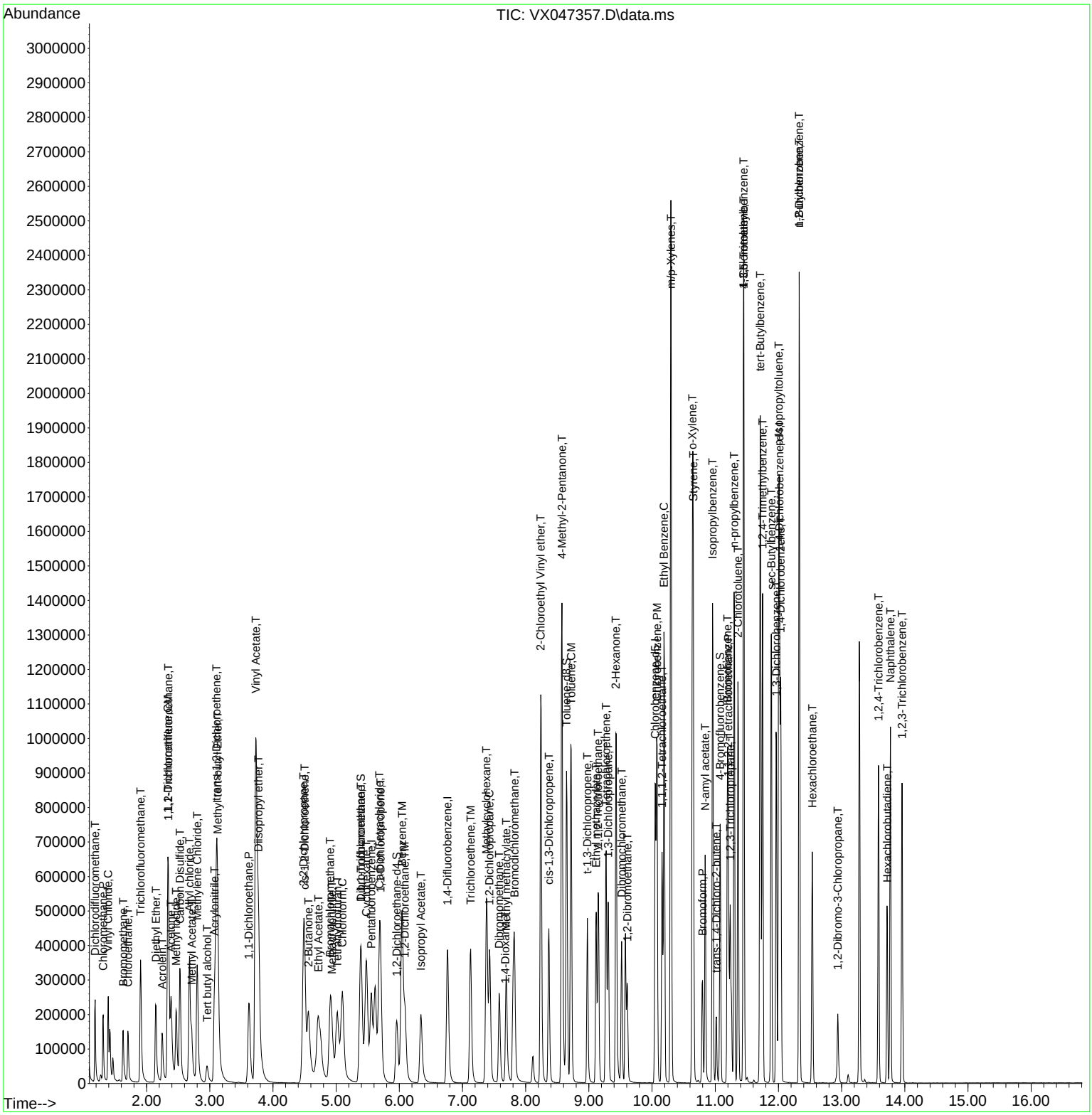
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	105	-0.01
2	T	Dichlorodifluoromethane	0.637	0.663	-4.1	95	0.00
3	P	Chloromethane	0.573	0.573	0.0	97	0.00
4	C	Vinyl Chloride	0.720	0.732	-1.7#	96	0.00
5	T	Bromomethane	0.291	0.326	-12.0	102	0.00
6	T	Chloroethane	0.440	0.435	1.1	99	0.00
7	T	Trichlorofluoromethane	1.065	1.062	0.3	94	0.00
8	T	Diethyl Ether	0.375	0.376	-0.3	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.618	0.619	-0.2	93	0.00
10	T	Methyl Iodide	1.058	0.950	10.2	86	0.00
11	T	Tert butyl alcohol	0.061	0.056	8.2	86	0.00
12	CM	1,1-Dichloroethene	0.630	0.634	-0.6#	96	0.00
13	T	Acrolein	0.129	0.106	17.8	85	0.00
14	T	Allyl chloride	1.093	1.083	0.9	94	0.00
15	T	Acrylonitrile	0.294	0.294	0.0	91	0.00
16	T	Acetone	0.263	0.259	1.5	97	0.00
17	T	Carbon Disulfide	1.900	1.825	3.9	96	0.00
18	T	Methyl Acetate	0.682	0.651	4.5	89	0.00
19	T	Methyl tert-butyl Ether	1.915	1.918	-0.2	93	0.00
20	T	Methylene Chloride	0.697	0.693	0.6	96	0.00
21	T	trans-1,2-Dichloroethene	0.668	0.660	1.2	96	0.00
22	T	Diisopropyl ether	2.161	2.220	-2.7	95	0.00
23	T	Vinyl Acetate	1.772	1.805	-1.9	93	0.00
24	P	1,1-Dichloroethane	1.222	1.212	0.8	94	0.00
25	T	2-Butanone	0.344	0.336	2.3	91	0.00
26	T	2,2-Dichloropropane	0.922	0.926	-0.4	96	-0.01
27	T	cis-1,2-Dichloroethene	0.778	0.771	0.9	96	0.00
28	T	Bromochloromethane	0.508	0.581	-14.4	113	0.00
29	T	Tetrahydrofuran	0.223	0.214	4.0	92	0.00
30	C	Chloroform	1.247	1.223	1.9#	94	0.00
31	T	Cyclohexane	1.126	1.060	5.9	92	0.00
32	T	1,1,1-Trichloroethane	1.073	1.052	2.0	92	0.00
33	S	1,2-Dichloroethane-d4	0.700	0.766	-9.4	115	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	105	0.00
35	S	Dibromofluoromethane	0.325	0.360	-10.8	115	0.00
36	T	1,1-Dichloropropene	0.512	0.488	4.7	91	0.00
37	T	Ethyl Acetate	0.532	0.502	5.6	90	0.00
38	T	Carbon Tetrachloride	0.560	0.531	5.2	92	0.00
39	T	Methylcyclohexane	0.639	0.602	5.8	91	-0.01
40	TM	Benzene	1.533	1.493	2.6	92	0.00
41	T	Methacrylonitrile	0.224	0.219	2.2	89	0.00
42	TM	1,2-Dichloroethane	0.543	0.529	2.6	93	-0.01
43	T	Isopropyl Acetate	0.764	0.745	2.5	90	0.00
44	TM	Trichloroethene	0.393	0.377	4.1	92	0.00
45	C	1,2-Dichloropropane	0.384	0.375	2.3#	94	0.00
46	T	Dibromomethane	0.279	0.271	2.9	94	0.00
47	T	Bromodichloromethane	0.578	0.556	3.8	92	0.00
48	T	Methyl methacrylate	0.397	0.385	3.0	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	0.004	0.003	25.0	81	0.00
50	S	Toluene-d8	1.160	1.263	-8.9	114	0.00
51	T	4-Methyl-2-Pentanone	0.440	0.429	2.5	89	0.00
52	CM	Toluene	0.947	0.923	2.5#	92	0.00
53	T	t-1,3-Dichloropropene	0.505	0.512	-1.4	92	0.00
54	T	cis-1,3-Dichloropropene	0.571	0.571	0.0	94	0.00
55	T	1,1,2-Trichloroethane	0.360	0.348	3.3	93	0.00
56	T	Ethyl methacrylate	0.530	0.532	-0.4	91	0.00
57	T	1,3-Dichloropropane	0.613	0.592	3.4	93	0.00
58	T	2-Chloroethyl Vinyl ether	0.211	0.225	-6.6	86	0.00
59	T	2-Hexanone	0.304	0.295	3.0	90	0.00
60	T	Dibromochloromethane	0.428	0.411	4.0	93	0.00
61	T	1,2-Dibromoethane	0.371	0.356	4.0	92	0.00
62	S	4-Bromofluorobenzene	0.428	0.468	-9.3	115	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	104	0.00
64	T	Tetrachloroethene	0.362	0.346	4.4	91	0.00
65	PM	Chlorobenzene	1.188	1.134	4.5	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.386	4.0	91	0.00
67	C	Ethyl Benzene	2.045	1.997	2.3#	92	0.00
68	T	m/p-Xylenes	0.763	0.753	1.3	92	0.00
69	T	o-Xylene	0.734	0.722	1.6	93	0.00
70	T	Styrene	1.240	1.244	-0.3	92	0.00
71	P	Bromoform	0.302	0.292	3.3	91	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	105	0.00
73	T	Isopropylbenzene	3.913	3.868	1.2	92	0.00
74	T	N-amyl acetate	1.486	1.492	-0.4	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.149	1.105	3.8	91	0.00
76	T	1,2,3-Trichloropropane	0.917	0.879	4.1	91	0.00
77	T	Bromobenzene	0.955	0.926	3.0	92	0.00
78	T	n-propylbenzene	4.673	4.612	1.3	93	0.00
79	T	2-Chlorotoluene	2.825	2.725	3.5	92	0.00
80	T	1,3,5-Trimethylbenzene	3.219	3.156	2.0	92	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.174	2.2	92	0.00
82	T	4-Chlorotoluene	3.330	3.189	4.2	92	0.00
83	T	tert-Butylbenzene	3.212	3.202	0.3	93	0.00
84	T	1,2,4-Trimethylbenzene	3.219	3.206	0.4	92	0.00
85	T	sec-Butylbenzene	3.981	3.942	1.0	93	0.00
86	T	p-Isopropyltoluene	3.369	3.324	1.3	93	0.00
87	T	1,3-Dichlorobenzene	1.825	1.750	4.1	92	0.00
88	T	1,4-Dichlorobenzene	1.877	1.755	6.5	93	0.00
89	T	n-Butylbenzene	3.133	3.105	0.9	94	0.00
90	T	Hexachloroethane	0.591	0.576	2.5	92	0.00
91	T	1,2-Dichlorobenzene	1.733	1.638	5.5	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.222	0.209	5.9	89	0.00
93	T	1,2,4-Trichlorobenzene	1.161	1.113	4.1	95	0.00
94	T	Hexachlorobutadiene	0.413	0.355	14.0	92	0.00
95	T	Naphthalene	3.319	3.254	2.0	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1.095	1.047	4.4	93	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\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	105	-0.01
2	T	Dichlorodifluoromethane	50.000	51.981	-4.0	95	0.00
3	P	Chloromethane	50.000	49.973	0.1	97	0.00
4	C	Vinyl Chloride	50.000	50.822	-1.6#	96	0.00
5	T	Bromomethane	50.000	56.066	-12.1	102	0.00
6	T	Chloroethane	50.000	49.421	1.2	99	0.00
7	T	Trichlorofluoromethane	50.000	49.898	0.2	94	0.00
8	T	Diethyl Ether	50.000	50.132	-0.3	95	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	50.154	-0.3	93	0.00
10	T	Methyl Iodide	50.000	44.887	10.2	86	0.00
11	T	Tert butyl alcohol	250.000	229.494	8.2	86	0.00
12	CM	1,1-Dichloroethene	50.000	50.316	-0.6#	96	0.00
13	T	Acrolein	250.000	207.171	17.1	85	0.00
14	T	Allyl chloride	50.000	49.503	1.0	94	0.00
15	T	Acrylonitrile	250.000	250.094	-0.0	91	0.00
16	T	Acetone	250.000	246.195	1.5	97	0.00
17	T	Carbon Disulfide	50.000	48.034	3.9	96	0.00
18	T	Methyl Acetate	50.000	47.774	4.5	89	0.00
19	T	Methyl tert-butyl Ether	50.000	50.072	-0.1	93	0.00
20	T	Methylene Chloride	50.000	49.724	0.6	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.352	1.3	96	0.00
22	T	Diisopropyl ether	50.000	51.358	-2.7	95	0.00
23	T	Vinyl Acetate	250.000	254.755	-1.9	93	0.00
24	P	1,1-Dichloroethane	50.000	49.586	0.8	94	0.00
25	T	2-Butanone	250.000	244.186	2.3	91	0.00
26	T	2,2-Dichloropropane	50.000	50.188	-0.4	96	-0.01
27	T	cis-1,2-Dichloroethene	50.000	49.507	1.0	96	0.00
28	T	Bromochloromethane	50.000	57.153	-14.3	113	0.00
29	T	Tetrahydrofuran	250.000	240.659	3.7	92	0.00
30	C	Chloroform	50.000	49.055	1.9#	94	0.00
31	T	Cyclohexane	50.000	47.066	5.9	92	0.00
32	T	1,1,1-Trichloroethane	50.000	49.018	2.0	92	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.750	-9.5	115	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	105	0.00
35	S	Dibromofluoromethane	50.000	55.488	-11.0	115	0.00
36	T	1,1-Dichloropropene	50.000	47.627	4.7	91	0.00
37	T	Ethyl Acetate	50.000	47.213	5.6	90	0.00
38	T	Carbon Tetrachloride	50.000	47.393	5.2	92	0.00
39	T	Methylcyclohexane	50.000	47.074	5.9	91	-0.01
40	TM	Benzene	50.000	48.672	2.7	92	0.00
41	T	Methacrylonitrile	50.000	48.768	2.5	89	0.00
42	TM	1,2-Dichloroethane	50.000	48.708	2.6	93	-0.01
43	T	Isopropyl Acetate	50.000	48.740	2.5	90	0.00
44	TM	Trichloroethene	50.000	47.974	4.1	92	0.00
45	C	1,2-Dichloropropane	50.000	48.760	2.5#	94	0.00
46	T	Dibromomethane	50.000	48.500	3.0	94	0.00
47	T	Bromodichloromethane	50.000	48.121	3.8	92	0.00
48	T	Methyl methacrylate	50.000	48.604	2.8	91	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	890.740	10.9	81	0.00
50	S	Toluene-d8	50.000	54.448	-8.9	114	0.00
51	T	4-Methyl-2-Pentanone	250.000	243.797	2.5	89	0.00
52	CM	Toluene	50.000	48.706	2.6#	92	0.00
53	T	t-1,3-Dichloropropene	50.000	50.716	-1.4	92	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.956	0.1	94	0.00
55	T	1,1,2-Trichloroethane	50.000	48.385	3.2	93	0.00
56	T	Ethyl methacrylate	50.000	50.140	-0.3	91	0.00
57	T	1,3-Dichloropropane	50.000	48.290	3.4	93	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	222.770	10.9	86	0.00
59	T	2-Hexanone	250.000	242.481	3.0	90	0.00
60	T	Dibromochloromethane	50.000	48.122	3.8	93	0.00
61	T	1,2-Dibromoethane	50.000	47.971	4.1	92	0.00
62	S	4-Bromofluorobenzene	50.000	54.723	-9.4	115	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	104	0.00
64	T	Tetrachloroethene	50.000	47.871	4.3	91	0.00
65	PM	Chlorobenzene	50.000	47.724	4.6	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.099	3.8	91	0.00
67	C	Ethyl Benzene	50.000	48.829	2.3#	92	0.00
68	T	m/p-Xylenes	100.000	98.705	1.3	92	0.00
69	T	o-Xylene	50.000	49.223	1.6	93	0.00
70	T	Styrene	50.000	50.176	-0.4	92	0.00
71	P	Bromoform	50.000	48.446	3.1	91	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	105	0.00
73	T	Isopropylbenzene	50.000	49.432	1.1	92	0.00
74	T	N-amyl acetate	50.000	50.217	-0.4	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.087	3.8	91	0.00
76	T	1,2,3-Trichloropropane	50.000	47.911	4.2	91	0.00
77	T	Bromobenzene	50.000	48.465	3.1	92	0.00
78	T	n-propylbenzene	50.000	49.351	1.3	93	0.00
79	T	2-Chlorotoluene	50.000	48.241	3.5	92	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.013	2.0	92	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.686	14.6	92	0.00
82	T	4-Chlorotoluene	50.000	47.889	4.2	92	0.00
83	T	tert-Butylbenzene	50.000	49.841	0.3	93	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.796	0.4	92	0.00
85	T	sec-Butylbenzene	50.000	49.507	1.0	93	0.00
86	T	p-Isopropyltoluene	50.000	49.332	1.3	93	0.00
87	T	1,3-Dichlorobenzene	50.000	47.926	4.1	92	0.00
88	T	1,4-Dichlorobenzene	50.000	46.752	6.5	93	0.00
89	T	n-Butylbenzene	50.000	49.556	0.9	94	0.00
90	T	Hexachloroethane	50.000	48.749	2.5	92	0.00
91	T	1,2-Dichlorobenzene	50.000	47.283	5.4	92	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.135	5.7	89	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.926	4.1	95	0.00
94	T	Hexachlorobutadiene	50.000	42.967	14.1	92	0.00
95	T	Naphthalene	50.000	49.026	1.9	90	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047357.D
Acq On : 15 Aug 2025 13:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX081525

Quant Time: Aug 18 04:22:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	47.822	4.4	93	0.00

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

Raw Data: **VX047455.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q2903
Instrument ID: MSVOA_X
Calibration Date/Time: 08/21/2025 09:35
Lab File ID: VX047455.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.598		-6.12	20
Chloromethane	0.573	0.516	0.1	-9.95	20
Vinyl Chloride	0.720	0.680		-5.56	20
Bromomethane	0.291	0.296		1.72	20
Chloroethane	0.440	0.405		-7.95	20
Trichlorofluoromethane	1.065	0.995		-6.57	20
1,1,2-Trichlorotrifluoroethane	0.618	0.599		-3.07	20
1,1-Dichloroethene	0.630	0.604		-4.13	20
Acetone	0.263	0.297		12.93	20
Carbon Disulfide	1.900	1.648		-13.26	20
Methyl tert-butyl Ether	1.915	2.010		4.96	20
Methyl Acetate	0.682	0.764		12.02	20
Methylene Chloride	0.697	0.692		-0.72	20
trans-1,2-Dichloroethene	0.668	0.627		-6.14	20
1,1-Dichloroethane	1.222	1.230	0.1	0.65	20
Cyclohexane	1.126	1.035		-8.08	20
2-Butanone	0.344	0.378		9.88	20
Carbon Tetrachloride	0.560	0.506		-9.64	20
cis-1,2-Dichloroethene	0.778	0.772		-0.77	20
Bromochloromethane	0.508	0.579		13.98	20
Chloroform	1.247	1.242		-0.4	20
1,1,1-Trichloroethane	1.073	1.042		-2.89	20
Methylcyclohexane	0.639	0.582		-8.92	20
Benzene	1.533	1.480		-3.46	20
1,2-Dichloroethane	0.543	0.540		-0.55	20
Trichloroethene	0.393	0.363		-7.63	20
1,2-Dichloropropane	0.384	0.379		-1.3	20
Bromodichloromethane	0.578	0.576		-0.35	20
4-Methyl-2-Pentanone	0.440	0.432		-1.82	20
Toluene	0.947	0.923		-2.53	20
t-1,3-Dichloropropene	0.505	0.534		5.74	20
cis-1,3-Dichloropropene	0.571	0.588		2.98	20
1,1,2-Trichloroethane	0.360	0.356		-1.11	20
2-Hexanone	0.304	0.296		-2.63	20
Dibromochloromethane	0.428	0.427		-0.23	20
1,2-Dibromoethane	0.371	0.363		-2.16	20
Tetrachloroethene	0.362	0.340		-6.08	20
Chlorobenzene	1.188	1.159	0.3	-2.44	20

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

Raw Data: **VX047455.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q2903
Instrument ID: MSVOA_X
Calibration Date/Time: 08/21/2025 09:35
Lab File ID: VX047455.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	2.008		-1.81	20
m/p-Xylenes	0.763	0.749		-1.84	20
o-Xylene	0.734	0.732		-0.27	20
Styrene	1.240	1.263		1.86	20
Bromoform	0.302	0.303	0.1	0.33	20
Isopropylbenzene	3.913	3.878		-0.89	20
1,1,2,2-Tetrachloroethane	1.149	1.154	0.3	0.44	20
1,3-Dichlorobenzene	1.825	1.747		-4.27	20
1,4-Dichlorobenzene	1.877	1.784		-4.95	20
1,2-Dichlorobenzene	1.733	1.686		-2.71	20
1,2-Dibromo-3-Chloropropane	0.222	0.217		-2.25	20
1,2,4-Trichlorobenzene	1.161	1.136		-2.15	20
1,2,3-Trichlorobenzene	1.095	1.091		-0.37	20
1,2-Dichloroethane-d4	0.700	0.705		0.71	20
Dibromofluoromethane	0.325	0.317		-2.46	20
Toluene-d8	1.160	1.105		-4.74	20
4-Bromofluorobenzene	0.428	0.421		-1.64	20

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

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	229258	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	398048	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	349454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	170891	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	161541	50.347	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.700%			
35) Dibromofluoromethane	5.391	113	126257	48.873	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.740%			
50) Toluene-d8	8.647	98	440017	47.654	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.300%			
62) 4-Bromofluorobenzene	11.079	95	167385	49.124	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.240%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	137054	46.896	ug/l	98
3) Chloromethane	1.313	50	118337	45.011	ug/l	100
4) Vinyl Chloride	1.392	62	155972	47.266	ug/l	97
5) Bromomethane	1.624	94	67970	50.995	ug/l	100
6) Chloroethane	1.703	64	92773	45.950	ug/l	97
7) Trichlorofluoromethane	1.904	101	228011	46.714	ug/l	97
8) Diethyl Ether	2.142	74	89364	51.996	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	137327	48.502	ug/l	99
10) Methyl Iodide	2.471	142	198280	40.864	ug/l	99
11) Tert butyl alcohol	2.959	59	74546	267.071	ug/l	100
12) 1,1-Dichloroethene	2.337	96	138483	47.975	ug/l	97
13) Acrolein	2.245	56	152087	258.116	ug/l	100
14) Allyl chloride	2.678	41	253477	50.558	ug/l	98
15) Acrylonitrile	3.081	53	341743	253.372	ug/l	99
16) Acetone	2.386	43	340465	282.303	ug/l	100
17) Carbon Disulfide	2.526	76	377752	43.368	ug/l	99
18) Methyl Acetate	2.709	43	175090	56.023	ug/l	99
19) Methyl tert-butyl Ether	3.117	73	460788	52.473	ug/l	97
20) Methylene Chloride	2.800	84	158663	49.682	ug/l	95
21) trans-1,2-Dichloroethene	3.105	96	143651	46.888	ug/l	100
22) Diisopropyl ether	3.764	45	530561	53.537	ug/l	90
23) Vinyl Acetate	3.727	43	2128926	262.092	ug/l	99
24) 1,1-Dichloroethane	3.617	63	281992	50.342	ug/l	98
25) 2-Butanone	4.556	43	432900	274.073	ug/l	100
26) 2,2-Dichloropropane	4.483	77	211457	50.016	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	176936	49.585	ug/l	99
28) Bromochloromethane	4.904	49	132726	56.941	ug/l	99
29) Tetrahydrofuran	5.013	42	247179	242.119	ug/l	98
30) Chloroform	5.099	83	284762	49.812	ug/l	98
31) Cyclohexane	5.477	56	237389	45.973	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	238782	48.527	ug/l	100
36) 1,1-Dichloropropene	5.696	75	187916	46.080	ug/l	99
37) Ethyl Acetate	4.715	43	185529	43.823	ug/l	98
38) Carbon Tetrachloride	5.684	117	201253	45.160	ug/l	98
39) Methylcyclohexane	7.379	83	231636	45.537	ug/l	95
40) Benzene	6.044	78	589135	48.265	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	85816	48.068	ug/l		96
42) 1,2-Dichloroethane	6.092	62	215079	49.745	ug/l		100
43) Isopropyl Acetate	6.336	43	301985	49.652	ug/l		99
44) Trichloroethene	7.129	130	144331	46.179	ug/l		98
45) 1,2-Dichloropropane	7.427	63	151021	49.387	ug/l		99
46) Dibromomethane	7.580	93	109389	49.273	ug/l		97
47) Bromodichloromethane	7.818	83	229317	49.826	ug/l		99
48) Methyl methacrylate	7.690	41	157170	49.786	ug/l		99
49) 1,4-Dioxane	7.677	88	35931	1170.790	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	859427	245.555	ug/l		98
52) Toluene	8.714	92	367491	48.722	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	212547	52.915	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	234037	51.476	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	141600	49.445	ug/l		98
56) Ethyl methacrylate	9.116	69	214659	50.841	ug/l		98
57) 1,3-Dichloropropane	9.305	76	245575	50.324	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	496030	246.162	ug/l		99
59) 2-Hexanone	9.427	43	588782	243.199	ug/l		100
60) Dibromochloromethane	9.519	129	169913	49.925	ug/l		99
61) 1,2-Dibromoethane	9.610	107	144626	48.974	ug/l		100
64) Tetrachloroethene	9.269	164	118711	46.965	ug/l		98
65) Chlorobenzene	10.079	112	404956	48.764	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	141556	50.425	ug/l		99
67) Ethyl Benzene	10.189	91	701634	49.089	ug/l		99
68) m/p-Xylenes	10.299	106	523170	98.164	ug/l		99
69) o-Xylene	10.640	106	255854	49.886	ug/l		98
70) Styrene	10.653	104	441303	50.924	ug/l		100
71) Bromoform	10.793	173	105815	50.174	ug/l	#	99
73) Isopropylbenzene	10.957	105	662630	49.550	ug/l		100
74) N-amyl acetate	10.842	43	257431	50.693	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	197287	50.246	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	158508m	50.572	ug/l		
77) Bromobenzene	11.195	156	162842	49.867	ug/l		99
78) n-propylbenzene	11.299	91	785818	49.201	ug/l		99
79) 2-Chlorotoluene	11.360	91	469970	48.677	ug/l		99
80) 1,3,5-Trimethylbenzene	11.445	105	543536	49.398	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	32124	45.408	ug/l		98
82) 4-Chlorotoluene	11.451	91	547058	48.067	ug/l		100
83) tert-Butylbenzene	11.713	119	546135	49.750	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	550436	50.024	ug/l		99
85) sec-Butylbenzene	11.890	105	669670	49.218	ug/l		100
86) p-Isopropyltoluene	12.006	119	568699	49.393	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	298542	47.855	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	304807	47.505	ug/l		99
89) n-Butylbenzene	12.329	91	533265	49.796	ug/l		99
90) Hexachloroethane	12.536	117	99175	49.100	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	288109	48.655	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37071	48.821	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	194113	48.899	ug/l		99
94) Hexachlorobutadiene	13.719	225	69786	49.389	ug/l		99
95) Naphthalene	13.774	128	585297	51.594	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	186476	49.836	ug/l		97

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

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

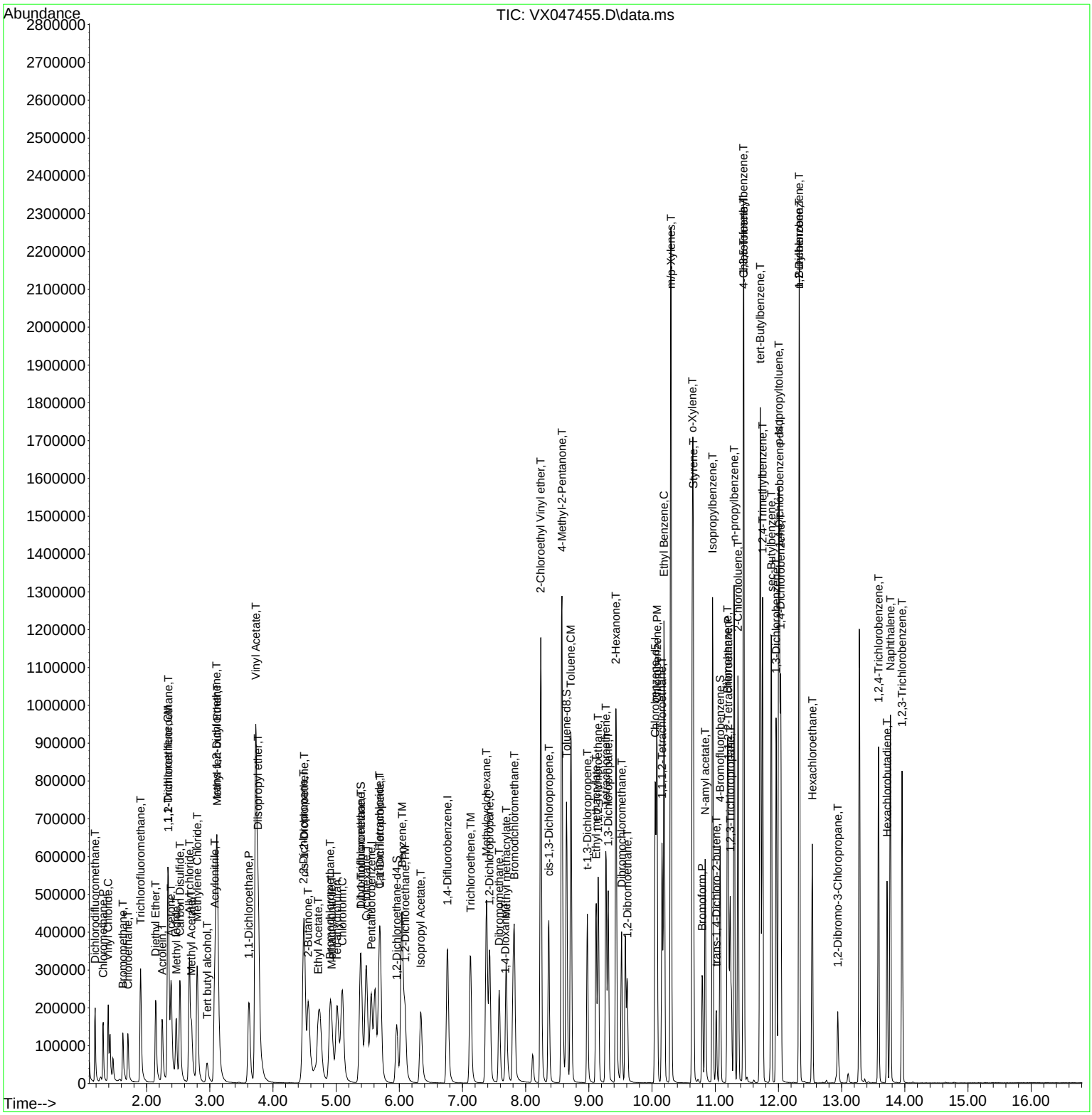
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025



Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	96	-0.01
2	T	Dichlorodifluoromethane	0.637	0.598	6.1	78	0.00
3	P	Chloromethane	0.573	0.516	9.9	79	0.00
4	C	Vinyl Chloride	0.720	0.680	5.6#	82	0.00
5	T	Bromomethane	0.291	0.296	-1.7	85	0.00
6	T	Chloroethane	0.440	0.405	8.0	84	0.00
7	T	Trichlorofluoromethane	1.065	0.995	6.6	80	0.00
8	T	Diethyl Ether	0.375	0.390	-4.0	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.618	0.599	3.1	82	0.00
10	T	Methyl Iodide	1.058	0.865	18.2	71	0.00
11	T	Tert butyl alcohol	0.061	0.065	-6.6	92	0.00
12	CM	1,1-Dichloroethene	0.630	0.604	4.1#	83	0.00
13	T	Acrolein	0.129	0.133	-3.1	96	0.00
14	T	Allyl chloride	1.093	1.106	-1.2	88	0.00
15	T	Acrylonitrile	0.294	0.298	-1.4	84	0.00
16	T	Acetone	0.263	0.297	-12.9	102	0.00
17	T	Carbon Disulfide	1.900	1.648	13.3	79	0.00
18	T	Methyl Acetate	0.682	0.764	-12.0	95	0.00
19	T	Methyl tert-butyl Ether	1.915	2.010	-5.0	89	0.00
20	T	Methylene Chloride	0.697	0.692	0.7	88	0.00
21	T	trans-1,2-Dichloroethene	0.668	0.627	6.1	83	0.00
22	T	Diisopropyl ether	2.161	2.314	-7.1	90	-0.01
23	T	Vinyl Acetate	1.772	1.857	-4.8	87	0.00
24	P	1,1-Dichloroethane	1.222	1.230	-0.7	87	0.00
25	T	2-Butanone	0.344	0.378	-9.9	93	-0.01
26	T	2,2-Dichloropropane	0.922	0.922	0.0	87	-0.01
27	T	cis-1,2-Dichloroethene	0.778	0.772	0.8	88	0.00
28	T	Bromochloromethane	0.508	0.579	-14.0	103	0.00
29	T	Tetrahydrofuran	0.223	0.216	3.1	84	-0.01
30	C	Chloroform	1.247	1.242	0.4#	87	0.00
31	T	Cyclohexane	1.126	1.035	8.1	82	0.00
32	T	1,1,1-Trichloroethane	1.073	1.042	2.9	84	0.00
33	S	1,2-Dichloroethane-d4	0.700	0.705	-0.7	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	98	0.00
35	S	Dibromofluoromethane	0.325	0.317	2.5	94	0.00
36	T	1,1-Dichloropropene	0.512	0.472	7.8	82	-0.01
37	T	Ethyl Acetate	0.532	0.466	12.4	78	0.00
38	T	Carbon Tetrachloride	0.560	0.506	9.6	82	0.00
39	T	Methylcyclohexane	0.639	0.582	8.9	82	-0.01
40	TM	Benzene	1.533	1.480	3.5	85	0.00
41	T	Methacrylonitrile	0.224	0.216	3.6	82	-0.01
42	TM	1,2-Dichloroethane	0.543	0.540	0.6	88	0.00
43	T	Isopropyl Acetate	0.764	0.759	0.7	86	-0.01
44	TM	Trichloroethene	0.393	0.363	7.6	82	0.00
45	C	1,2-Dichloropropane	0.384	0.379	1.3#	89	0.00
46	T	Dibromomethane	0.279	0.275	1.4	89	0.00
47	T	Bromodichloromethane	0.578	0.576	0.3	89	0.00
48	T	Methyl methacrylate	0.397	0.395	0.5	87	0.00

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	0.004	0.005	-25.0	99	0.00
50	S	Toluene-d8	1.160	1.105	4.7	93	0.00
51	T	4-Methyl-2-Pentanone	0.440	0.432	1.8	83	0.00
52	CM	Toluene	0.947	0.923	2.5#	86	0.00
53	T	t-1,3-Dichloropropene	0.505	0.534	-5.7	90	0.00
54	T	cis-1,3-Dichloropropene	0.571	0.588	-3.0	90	0.00
55	T	1,1,2-Trichloroethane	0.360	0.356	1.1	88	0.00
56	T	Ethyl methacrylate	0.530	0.539	-1.7	86	0.00
57	T	1,3-Dichloropropane	0.613	0.617	-0.7	90	0.00
58	T	2-Chloroethyl Vinyl ether	0.211	0.249	-18.0	89	0.00
59	T	2-Hexanone	0.304	0.296	2.6	84	0.00
60	T	Dibromochloromethane	0.428	0.427	0.2	90	0.00
61	T	1,2-Dibromoethane	0.371	0.363	2.2	87	0.00
62	S	4-Bromofluorobenzene	0.428	0.421	1.6	96	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.362	0.340	6.1	82	0.00
65	PM	Chlorobenzene	1.188	1.159	2.4	87	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.405	-0.7	88	0.00
67	C	Ethyl Benzene	2.045	2.008	1.8#	85	0.00
68	T	m/p-Xylenes	0.763	0.749	1.8	84	0.00
69	T	o-Xylene	0.734	0.732	0.3	87	0.00
70	T	Styrene	1.240	1.263	-1.9	86	0.00
71	P	Bromoform	0.302	0.303	-0.3	87	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
73	T	Isopropylbenzene	3.913	3.878	0.9	85	0.00
74	T	N-amyl acetate	1.486	1.506	-1.3	84	0.00
75	P	1,1,2,2-Tetrachloroethane	1.149	1.154	-0.4	88	0.00
76	T	1,2,3-Trichloropropane	0.917	0.928	-1.2	88	0.00
77	T	Bromobenzene	0.955	0.953	0.2	87	0.00
78	T	n-propylbenzene	4.673	4.598	1.6	86	0.00
79	T	2-Chlorotoluene	2.825	2.750	2.7	86	0.00
80	T	1,3,5-Trimethylbenzene	3.219	3.181	1.2	85	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.188	-5.6	91	0.00
82	T	4-Chlorotoluene	3.330	3.201	3.9	85	0.00
83	T	tert-Butylbenzene	3.212	3.196	0.5	85	0.00
84	T	1,2,4-Trimethylbenzene	3.219	3.221	-0.1	85	0.00
85	T	sec-Butylbenzene	3.981	3.919	1.6	85	0.00
86	T	p-Isopropyltoluene	3.369	3.328	1.2	86	0.00
87	T	1,3-Dichlorobenzene	1.825	1.747	4.3	85	0.00
88	T	1,4-Dichlorobenzene	1.877	1.784	5.0	87	0.00
89	T	n-Butylbenzene	3.133	3.120	0.4	87	0.00
90	T	Hexachloroethane	0.591	0.580	1.9	86	0.00
91	T	1,2-Dichlorobenzene	1.733	1.686	2.7	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.222	0.217	2.3	85	0.00
93	T	1,2,4-Trichlorobenzene	1.161	1.136	2.2	89	0.00
94	T	Hexachlorobutadiene	0.413	0.408	1.2	97	0.00
95	T	Naphthalene	3.319	3.425	-3.2	87	0.00

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1.095	1.091	0.4	90	0.00

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

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	96	-0.01
2	T	Dichlorodifluoromethane	50.000	46.896	6.2	78	0.00
3	P	Chloromethane	50.000	45.011	10.0	79	0.00
4	C	Vinyl Chloride	50.000	47.266	5.5#	82	0.00
5	T	Bromomethane	50.000	50.995	-2.0	85	0.00
6	T	Chloroethane	50.000	45.950	8.1	84	0.00
7	T	Trichlorofluoromethane	50.000	46.714	6.6	80	0.00
8	T	Diethyl Ether	50.000	51.996	-4.0	90	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	48.502	3.0	82	0.00
10	T	Methyl Iodide	50.000	40.864	18.3	71	0.00
11	T	Tert butyl alcohol	250.000	267.071	-6.8	92	0.00
12	CM	1,1-Dichloroethene	50.000	47.975	4.0#	83	0.00
13	T	Acrolein	250.000	258.116	-3.2	96	0.00
14	T	Allyl chloride	50.000	50.558	-1.1	88	0.00
15	T	Acrylonitrile	250.000	253.372	-1.3	84	0.00
16	T	Acetone	250.000	282.303	-12.9	102	0.00
17	T	Carbon Disulfide	50.000	43.368	13.3	79	0.00
18	T	Methyl Acetate	50.000	56.023	-12.0	95	0.00
19	T	Methyl tert-butyl Ether	50.000	52.473	-4.9	89	0.00
20	T	Methylene Chloride	50.000	49.682	0.6	88	0.00
21	T	trans-1,2-Dichloroethene	50.000	46.888	6.2	83	0.00
22	T	Diisopropyl ether	50.000	53.537	-7.1	90	-0.01
23	T	Vinyl Acetate	250.000	262.092	-4.8	87	0.00
24	P	1,1-Dichloroethane	50.000	50.342	-0.7	87	0.00
25	T	2-Butanone	250.000	274.073	-9.6	93	-0.01
26	T	2,2-Dichloropropane	50.000	50.016	-0.0	87	-0.01
27	T	cis-1,2-Dichloroethene	50.000	49.585	0.8	88	0.00
28	T	Bromochloromethane	50.000	56.941	-13.9	103	0.00
29	T	Tetrahydrofuran	250.000	242.119	3.2	84	-0.01
30	C	Chloroform	50.000	49.812	0.4#	87	0.00
31	T	Cyclohexane	50.000	45.973	8.1	82	0.00
32	T	1,1,1-Trichloroethane	50.000	48.527	2.9	84	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.347	-0.7	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	98	0.00
35	S	Dibromofluoromethane	50.000	48.873	2.3	94	0.00
36	T	1,1-Dichloropropene	50.000	46.080	7.8	82	-0.01
37	T	Ethyl Acetate	50.000	43.823	12.4	78	0.00
38	T	Carbon Tetrachloride	50.000	45.160	9.7	82	0.00
39	T	Methylcyclohexane	50.000	45.537	8.9	82	-0.01
40	TM	Benzene	50.000	48.265	3.5	85	0.00
41	T	Methacrylonitrile	50.000	48.068	3.9	82	-0.01
42	TM	1,2-Dichloroethane	50.000	49.745	0.5	88	0.00
43	T	Isopropyl Acetate	50.000	49.652	0.7	86	-0.01
44	TM	Trichloroethene	50.000	46.179	7.6	82	0.00
45	C	1,2-Dichloropropane	50.000	49.387	1.2#	89	0.00
46	T	Dibromomethane	50.000	49.273	1.5	89	0.00
47	T	Bromodichloromethane	50.000	49.826	0.3	89	0.00
48	T	Methyl methacrylate	50.000	49.786	0.4	87	0.00

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1170.790	-17.1	99	0.00
50	S	Toluene-d8	50.000	47.654	4.7	93	0.00
51	T	4-Methyl-2-Pentanone	250.000	245.555	1.8	83	0.00
52	CM	Toluene	50.000	48.722	2.6#	86	0.00
53	T	t-1,3-Dichloropropene	50.000	52.915	-5.8	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.476	-3.0	90	0.00
55	T	1,1,2-Trichloroethane	50.000	49.445	1.1	88	0.00
56	T	Ethyl methacrylate	50.000	50.841	-1.7	86	0.00
57	T	1,3-Dichloropropane	50.000	50.324	-0.6	90	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.162	1.5	89	0.00
59	T	2-Hexanone	250.000	243.199	2.7	84	0.00
60	T	Dibromochloromethane	50.000	49.925	0.2	90	0.00
61	T	1,2-Dibromoethane	50.000	48.974	2.1	87	0.00
62	S	4-Bromofluorobenzene	50.000	49.124	1.8	96	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	46.965	6.1	82	0.00
65	PM	Chlorobenzene	50.000	48.764	2.5	87	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.425	-0.8	88	0.00
67	C	Ethyl Benzene	50.000	49.089	1.8#	85	0.00
68	T	m/p-Xylenes	100.000	98.164	1.8	84	0.00
69	T	o-Xylene	50.000	49.886	0.2	87	0.00
70	T	Styrene	50.000	50.924	-1.8	86	0.00
71	P	Bromoform	50.000	50.174	-0.3	87	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	96	0.00
73	T	Isopropylbenzene	50.000	49.550	0.9	85	0.00
74	T	N-amyl acetate	50.000	50.693	-1.4	84	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.246	-0.5	88	0.00
76	T	1,2,3-Trichloropropane	50.000	50.572	-1.1	88	0.00
77	T	Bromobenzene	50.000	49.867	0.3	87	0.00
78	T	n-propylbenzene	50.000	49.201	1.6	86	0.00
79	T	2-Chlorotoluene	50.000	48.677	2.6	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.398	1.2	85	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.408	9.2	91	0.00
82	T	4-Chlorotoluene	50.000	48.067	3.9	85	0.00
83	T	tert-Butylbenzene	50.000	49.750	0.5	85	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.024	-0.0	85	0.00
85	T	sec-Butylbenzene	50.000	49.218	1.6	85	0.00
86	T	p-Isopropyltoluene	50.000	49.393	1.2	86	0.00
87	T	1,3-Dichlorobenzene	50.000	47.855	4.3	85	0.00
88	T	1,4-Dichlorobenzene	50.000	47.505	5.0	87	0.00
89	T	n-Butylbenzene	50.000	49.796	0.4	87	0.00
90	T	Hexachloroethane	50.000	49.100	1.8	86	0.00
91	T	1,2-Dichlorobenzene	50.000	48.655	2.7	87	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	48.821	2.4	85	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.899	2.2	89	0.00
94	T	Hexachlorobutadiene	50.000	49.389	1.2	97	0.00
95	T	Naphthalene	50.000	51.594	-3.2	87	0.00

Sample Results: **VX047455.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047455.D
Acq On : 21 Aug 2025 09:35
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 22 03:38:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	49.836	0.3	90	0.00

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

Raw Data: **VX047484.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q2903
Instrument ID: MSVOA_X
Calibration Date/Time: 08/22/2025 10:00
Lab File ID: VX047484.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.547		-14.13	20
Chloromethane	0.573	0.473	0.1	-17.45	20
Vinyl Chloride	0.720	0.631		-12.36	20
Bromomethane	0.291	0.250		-14.09	20
Chloroethane	0.440	0.402		-8.64	20
Trichlorofluoromethane	1.065	0.924		-13.24	20
1,1,2-Trichlorotrifluoroethane	0.618	0.560		-9.39	20
1,1-Dichloroethene	0.630	0.555		-11.9	20
Acetone	0.263	0.282		7.22	20
Carbon Disulfide	1.900	1.609		-15.32	20
Methyl tert-butyl Ether	1.915	2.042		6.63	20
Methyl Acetate	0.682	0.790		15.84	20
Methylene Chloride	0.697	0.691		-0.86	20
trans-1,2-Dichloroethene	0.668	0.628		-5.99	20
1,1-Dichloroethane	1.222	1.211	0.1	-0.9	20
Cyclohexane	1.126	0.960		-14.74	20
2-Butanone	0.344	0.384		11.63	20
Carbon Tetrachloride	0.560	0.491		-12.32	20
cis-1,2-Dichloroethene	0.778	0.776		-0.26	20
Bromochloromethane	0.508	0.605		19.09	20
Chloroform	1.247	1.259		0.96	20
1,1,1-Trichloroethane	1.073	1.002		-6.62	20
Methylcyclohexane	0.639	0.539		-15.65	20
Benzene	1.533	1.461		-4.7	20
1,2-Dichloroethane	0.543	0.547		0.74	20
Trichloroethene	0.393	0.354		-9.92	20
1,2-Dichloropropane	0.384	0.384		0	20
Bromodichloromethane	0.578	0.591		2.25	20
4-Methyl-2-Pentanone	0.440	0.451		2.5	20
Toluene	0.947	0.910		-3.91	20
t-1,3-Dichloropropene	0.505	0.537		6.34	20
cis-1,3-Dichloropropene	0.571	0.594		4.03	20
1,1,2-Trichloroethane	0.360	0.370		2.78	20
2-Hexanone	0.304	0.307		0.99	20
Dibromochloromethane	0.428	0.433		1.17	20
1,2-Dibromoethane	0.371	0.377		1.62	20
Tetrachloroethene	0.362	0.321		-11.33	20
Chlorobenzene	1.188	1.118	0.3	-5.89	20

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

Raw Data: **VX047484.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: AECO02
Lab Code: ACE
SDG No.: Q2903
Instrument ID: MSVOA_X
Calibration Date/Time: 08/22/2025 10:00
Lab File ID: VX047484.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	1.893		-7.43	20
m/p-Xylenes	0.763	0.718		-5.9	20
o-Xylene	0.734	0.694		-5.45	20
Styrene	1.240	1.233		-0.56	20
Bromoform	0.302	0.306	0.1	1.33	20
Isopropylbenzene	3.913	3.516		-10.15	20
1,1,2,2-Tetrachloroethane	1.149	1.119	0.3	-2.61	20
1,3-Dichlorobenzene	1.825	1.671		-8.44	20
1,4-Dichlorobenzene	1.877	1.682		-10.39	20
1,2-Dichlorobenzene	1.733	1.613		-6.92	20
1,2-Dibromo-3-Chloropropane	0.222	0.213		-4.05	20
1,2,4-Trichlorobenzene	1.161	1.089		-6.2	20
1,2,3-Trichlorobenzene	1.095	1.040		-5.02	20
1,2-Dichloroethane-d4	0.700	0.775		10.71	20
Dibromofluoromethane	0.325	0.344		5.85	20
Toluene-d8	1.160	1.183		1.98	20
4-Bromofluorobenzene	0.428	0.453		5.84	20

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

Sample Results: **VX047484.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047484.D
Acq On : 22 Aug 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 25 01:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	202377	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	354638	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	324101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	162878	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156876	55.388	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 110.780%			
35) Dibromofluoromethane	5.391	113	122046	53.026	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.060%			
50) Toluene-d8	8.647	98	419479	50.990	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.980%			
62) 4-Bromofluorobenzene	11.079	95	160561	52.889	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.780%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	110755	42.931	ug/l	97
3) Chloromethane	1.313	50	95701	41.236	ug/l	98
4) Vinyl Chloride	1.392	62	127745	43.854	ug/l	96
5) Bromomethane	1.624	94	50511	42.930	ug/l	100
6) Chloroethane	1.703	64	81422	45.685	ug/l	99
7) Trichlorofluoromethane	1.904	101	186994	43.399	ug/l	99
8) Diethyl Ether	2.142	74	78847	51.970	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	113344	45.348	ug/l	98
10) Methyl Iodide	2.465	142	161545	37.716	ug/l	99
11) Tert butyl alcohol	2.959	59	69422	281.749	ug/l	100
12) 1,1-Dichloroethene	2.337	96	112343	44.089	ug/l	99
13) Acrolein	2.245	56	135030	259.607	ug/l	98
14) Allyl chloride	2.678	41	218245	49.313	ug/l	98
15) Acrylonitrile	3.081	53	313610	263.398	ug/l	99
16) Acetone	2.386	43	285280	267.964	ug/l	99
17) Carbon Disulfide	2.526	76	325641	42.351	ug/l	100
18) Methyl Acetate	2.709	43	159856	57.943	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	413165	53.300	ug/l	98
20) Methylene Chloride	2.800	84	139844	49.606	ug/l	97
21) trans-1,2-Dichloroethene	3.105	96	127129	47.007	ug/l	100
22) Diisopropyl ether	3.769	45	472502	54.011	ug/l	97
23) Vinyl Acetate	3.727	43	1915183	267.095	ug/l	99
24) 1,1-Dichloroethane	3.623	63	245050	49.558	ug/l	98
25) 2-Butanone	4.562	43	388898	278.919	ug/l	97
26) 2,2-Dichloropropane	4.483	77	180865	48.462	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	157104	49.875	ug/l	97
28) Bromochloromethane	4.903	49	122494	59.532	ug/l	100
29) Tetrahydrofuran	5.013	42	231797	257.210	ug/l	99
30) Chloroform	5.099	83	254837	50.499	ug/l	100
31) Cyclohexane	5.477	56	194217	42.608	ug/l	97
32) 1,1,1-Trichloroethane	5.385	97	202843	46.699	ug/l	99
36) 1,1-Dichloropropene	5.696	75	161908	44.562	ug/l	99
37) Ethyl Acetate	4.714	43	166297	44.088	ug/l	97
38) Carbon Tetrachloride	5.684	117	174249	43.887	ug/l	98
39) Methylcyclohexane	7.379	83	191087	42.164	ug/l	94
40) Benzene	6.043	78	517963	47.628	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047484.D
Acq On : 22 Aug 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 25 01:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	79394	49.915	ug/l		95
42) 1,2-Dichloroethane	6.092	62	193834	50.319	ug/l		99
43) Isopropyl Acetate	6.342	43	276273	50.985	ug/l		100
44) Trichloroethene	7.129	130	125639	45.119	ug/l		96
45) 1,2-Dichloropropane	7.433	63	136102	49.956	ug/l		99
46) Dibromomethane	7.580	93	100509	50.815	ug/l		96
47) Bromodichloromethane	7.824	83	209501	51.092	ug/l		100
48) Methyl methacrylate	7.690	41	145500	51.731	ug/l		99
49) 1,4-Dioxane	7.683	88	30467	1114.267	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	798993	256.232	ug/l		99
52) Toluene	8.714	92	322875	48.047	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	190463	53.221	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	210731	52.024	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	131207	51.424	ug/l		97
56) Ethyl methacrylate	9.116	69	196701	52.290	ug/l		99
57) 1,3-Dichloropropane	9.305	76	222481	51.172	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	457939	254.774	ug/l		98
59) 2-Hexanone	9.427	43	544688	252.526	ug/l		99
60) Dibromochloromethane	9.518	129	153592	50.654	ug/l		99
61) 1,2-Dibromoethane	9.610	107	133672	50.806	ug/l		98
64) Tetrachloroethene	9.275	164	103941	44.338	ug/l		99
65) Chlorobenzene	10.079	112	362411	47.055	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	127301	48.895	ug/l		100
67) Ethyl Benzene	10.189	91	613672	46.294	ug/l		99
68) m/p-Xylenes	10.299	106	465601	94.196	ug/l		100
69) o-Xylene	10.640	106	224870	47.274	ug/l		99
70) Styrene	10.652	104	399566	49.714	ug/l		99
71) Bromoform	10.799	173	99174	50.704	ug/l	#	98
73) Isopropylbenzene	10.957	105	572656	44.928	ug/l		99
74) N-amyl acetate	10.841	43	236728	48.909	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	182217	48.691	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	142676m	47.760	ug/l		
77) Bromobenzene	11.195	156	146540	47.082	ug/l		100
78) n-propylbenzene	11.299	91	687439	45.159	ug/l		100
79) 2-Chlorotoluene	11.360	91	415839	45.189	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	484384	46.188	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	27258	41.288	ug/l		100
82) 4-Chlorotoluene	11.451	91	496085	45.733	ug/l		100
83) tert-Butylbenzene	11.713	119	482449	46.111	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	488939	46.621	ug/l		99
85) sec-Butylbenzene	11.890	105	588223	45.359	ug/l		100
86) p-Isopropyltoluene	12.006	119	499743	45.540	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	272218	45.782	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	273935	44.794	ug/l		99
89) n-Butylbenzene	12.329	91	471493	46.193	ug/l		99
90) Hexachloroethane	12.536	117	84225	43.750	ug/l		96
91) 1,2-Dichlorobenzene	12.329	146	262651	46.538	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34717	47.970	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	177352	46.875	ug/l		99
94) Hexachlorobutadiene	13.719	225	63133	46.878	ug/l		99
95) Naphthalene	13.774	128	539890	49.933	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	169441	47.511	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047484.D
Acq On : 22 Aug 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 25 01:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

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

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

Sample Results: **VX047484.D**

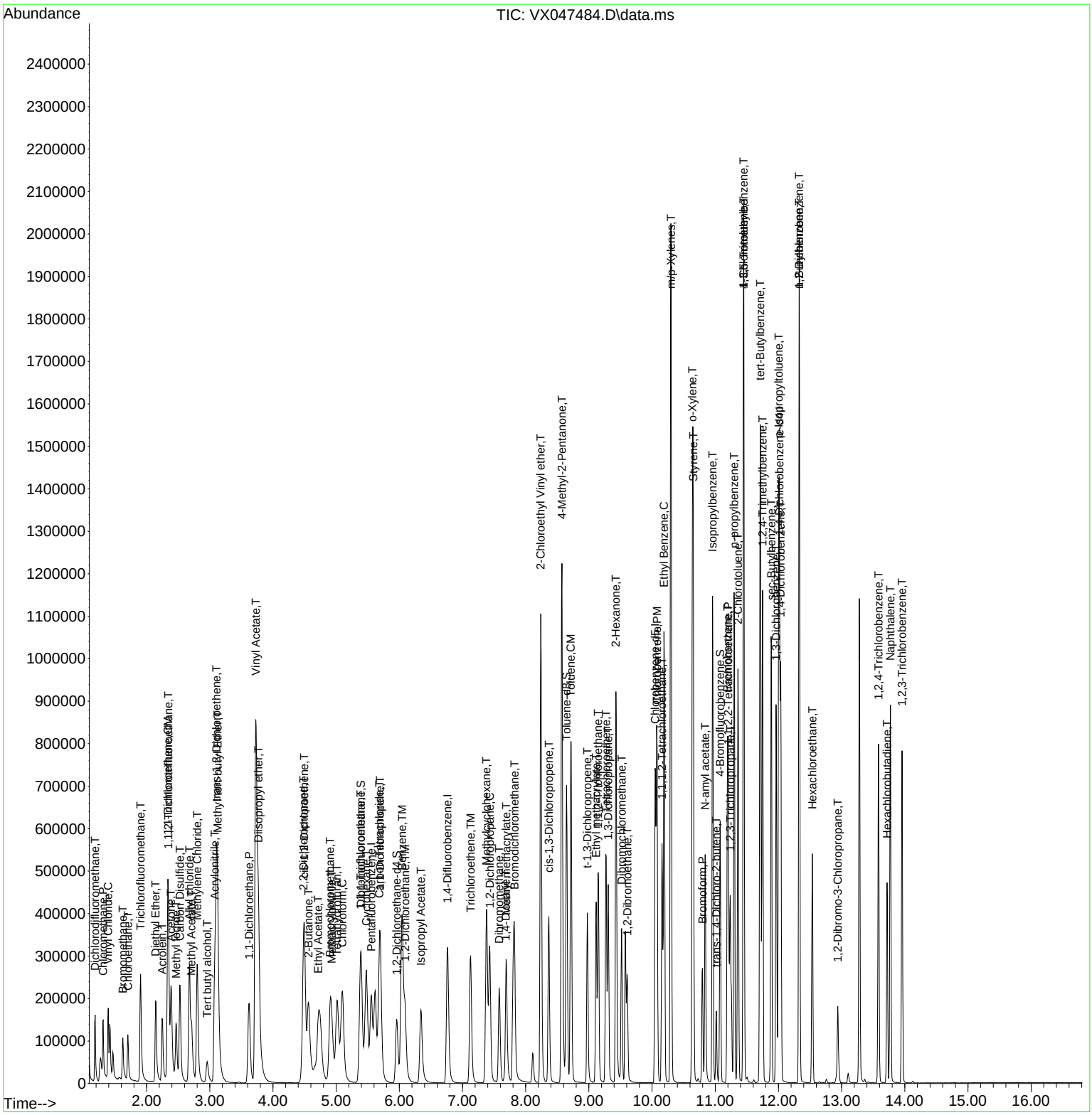
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047484.D
Acq On : 22 Aug 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 25 01:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



Sample Results: **VX047484.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047484.D
Acq On : 22 Aug 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 01:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	85	-0.01
2	T	Dichlorodifluoromethane	0.637	0.547	14.1	63	0.00
3	P	Chloromethane	0.573	0.473	17.5	64	0.00
4	C	Vinyl Chloride	0.720	0.631	12.4#	67	0.00
5	T	Bromomethane	0.291	0.250	14.1	63	0.00
6	T	Chloroethane	0.440	0.402	8.6	74	0.00
7	T	Trichlorofluoromethane	1.065	0.924	13.2	66	0.00
8	T	Diethyl Ether	0.375	0.390	-4.0	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.618	0.560	9.4	68	0.00
10	T	Methyl Iodide	1.058	0.798	24.6	58	0.00
11	T	Tert butyl alcohol	0.061	0.069	-13.1	85	0.00
12	CM	1,1-Dichloroethene	0.630	0.555	11.9#	68	0.00
13	T	Acrolein	0.129	0.133	-3.1	86	0.00
14	T	Allyl chloride	1.093	1.078	1.4	75	0.00
15	T	Acrylonitrile	0.294	0.310	-5.4	77	0.00
16	T	Acetone	0.263	0.282	-7.2	85	0.00
17	T	Carbon Disulfide	1.900	1.609	15.3	68	0.00
18	T	Methyl Acetate	0.682	0.790	-15.8	87	0.00
19	T	Methyl tert-butyl Ether	1.915	2.042	-6.6	80	0.00
20	T	Methylene Chloride	0.697	0.691	0.9	77	0.00
21	T	trans-1,2-Dichloroethene	0.668	0.628	6.0	73	0.00
22	T	Diisopropyl ether	2.161	2.335	-8.1	80	0.00
23	T	Vinyl Acetate	1.772	1.893	-6.8	79	0.00
24	P	1,1-Dichloroethane	1.222	1.211	0.9	76	0.00
25	T	2-Butanone	0.344	0.384	-11.6	84	0.00
26	T	2,2-Dichloropropane	0.922	0.894	3.0	74	-0.01
27	T	cis-1,2-Dichloroethene	0.778	0.776	0.3	78	0.00
28	T	Bromochloromethane	0.508	0.605	-19.1	95	0.00
29	T	Tetrahydrofuran	0.223	0.229	-2.7	79	-0.01
30	C	Chloroform	1.247	1.259	-1.0#	78	0.00
31	T	Cyclohexane	1.126	0.960	14.7	67	0.00
32	T	1,1,1-Trichloroethane	1.073	1.002	6.6	71	-0.01
33	S	1,2-Dichloroethane-d4	0.700	0.775	-10.7	94	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	0.00
35	S	Dibromofluoromethane	0.325	0.344	-5.8	91	0.00
36	T	1,1-Dichloropropene	0.512	0.457	10.7	71	-0.01
37	T	Ethyl Acetate	0.532	0.469	11.8	69	0.00
38	T	Carbon Tetrachloride	0.560	0.491	12.3	71	0.00
39	T	Methylcyclohexane	0.639	0.539	15.6	68	-0.01
40	TM	Benzene	1.533	1.461	4.7	75	0.00
41	T	Methacrylonitrile	0.224	0.224	0.0	76	-0.01
42	TM	1,2-Dichloroethane	0.543	0.547	-0.7	80	0.00
43	T	Isopropyl Acetate	0.764	0.779	-2.0	78	0.00
44	TM	Trichloroethene	0.393	0.354	9.9	72	0.00
45	C	1,2-Dichloropropane	0.384	0.384	0.0	80	0.00
46	T	Dibromomethane	0.279	0.283	-1.4	82	0.00
47	T	Bromodichloromethane	0.578	0.591	-2.2	81	0.00
48	T	Methyl methacrylate	0.397	0.410	-3.3	81	0.00

Sample Results: **VX047484.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047484.D
Acq On : 22 Aug 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 01:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	0.004	0.004	0.0	84	0.00
50	S	Toluene-d8	1.160	1.183	-2.0	88	0.00
51	T	4-Methyl-2-Pentanone	0.440	0.451	-2.5	77	0.00
52	CM	Toluene	0.947	0.910	3.9#	75	0.00
53	T	t-1,3-Dichloropropene	0.505	0.537	-6.3	80	0.00
54	T	cis-1,3-Dichloropropene	0.571	0.594	-4.0	81	0.00
55	T	1,1,2-Trichloroethane	0.360	0.370	-2.8	82	0.00
56	T	Ethyl methacrylate	0.530	0.555	-4.7	79	0.00
57	T	1,3-Dichloropropane	0.613	0.627	-2.3	82	0.00
58	T	2-Chloroethyl Vinyl ether	0.211	0.258	-22.3	82	0.00
59	T	2-Hexanone	0.304	0.307	-1.0	77	0.00
60	T	Dibromochloromethane	0.428	0.433	-1.2	82	0.00
61	T	1,2-Dibromoethane	0.371	0.377	-1.6	81	0.00
62	S	4-Bromofluorobenzene	0.428	0.453	-5.8	92	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.362	0.321	11.3	72	0.00
65	PM	Chlorobenzene	1.188	1.118	5.9	78	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.393	2.2	79	0.00
67	C	Ethyl Benzene	2.045	1.893	7.4#	74	0.00
68	T	m/p-Xylenes	0.763	0.718	5.9	75	0.00
69	T	o-Xylene	0.734	0.694	5.4	76	0.00
70	T	Styrene	1.240	1.233	0.6	78	0.00
71	P	Bromoform	0.302	0.306	-1.3	81	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	92	0.00
73	T	Isopropylbenzene	3.913	3.516	10.1	73	0.00
74	T	N-amyl acetate	1.486	1.453	2.2	77	0.00
75	P	1,1,2,2-Tetrachloroethane	1.149	1.119	2.6	81	0.00
76	T	1,2,3-Trichloropropane	0.917	0.876	4.5	79	0.00
77	T	Bromobenzene	0.955	0.900	5.8	78	0.00
78	T	n-propylbenzene	4.673	4.221	9.7	75	0.00
79	T	2-Chlorotoluene	2.825	2.553	9.6	76	0.00
80	T	1,3,5-Trimethylbenzene	3.219	2.974	7.6	76	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.167	6.2	77	0.00
82	T	4-Chlorotoluene	3.330	3.046	8.5	77	0.00
83	T	tert-Butylbenzene	3.212	2.962	7.8	75	0.00
84	T	1,2,4-Trimethylbenzene	3.219	3.002	6.7	76	0.00
85	T	sec-Butylbenzene	3.981	3.611	9.3	75	0.00
86	T	p-Isopropyltoluene	3.369	3.068	8.9	76	0.00
87	T	1,3-Dichlorobenzene	1.825	1.671	8.4	77	0.00
88	T	1,4-Dichlorobenzene	1.877	1.682	10.4	78	0.00
89	T	n-Butylbenzene	3.133	2.895	7.6	77	0.00
90	T	Hexachloroethane	0.591	0.517	12.5	73	0.00
91	T	1,2-Dichlorobenzene	1.733	1.613	6.9	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.222	0.213	4.1	79	0.00
93	T	1,2,4-Trichlorobenzene	1.161	1.089	6.2	81	0.00
94	T	Hexachlorobutadiene	0.413	0.388	6.1	88	0.00
95	T	Naphthalene	3.319	3.315	0.1	81	0.00

Sample Results: **VX047484.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047484.D
Acq On : 22 Aug 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 01:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1.095	1.040	5.0	81	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Sample Results: **VX047484.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047484.D
Acq On : 22 Aug 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 01:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	85	-0.01
2	T	Dichlorodifluoromethane	50.000	42.931	14.1	63	0.00
3	P	Chloromethane	50.000	41.236	17.5	64	0.00
4	C	Vinyl Chloride	50.000	43.854	12.3#	67	0.00
5	T	Bromomethane	50.000	42.930	14.1	63	0.00
6	T	Chloroethane	50.000	45.685	8.6	74	0.00
7	T	Trichlorofluoromethane	50.000	43.399	13.2	66	0.00
8	T	Diethyl Ether	50.000	51.970	-3.9	79	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	45.348	9.3	68	0.00
10	T	Methyl Iodide	50.000	37.716	24.6	58	0.00
11	T	Tert butyl alcohol	250.000	281.749	-12.7	85	0.00
12	CM	1,1-Dichloroethene	50.000	44.089	11.8#	68	0.00
13	T	Acrolein	250.000	259.607	-3.8	86	0.00
14	T	Allyl chloride	50.000	49.313	1.4	75	0.00
15	T	Acrylonitrile	250.000	263.398	-5.4	77	0.00
16	T	Acetone	250.000	267.964	-7.2	85	0.00
17	T	Carbon Disulfide	50.000	42.351	15.3	68	0.00
18	T	Methyl Acetate	50.000	57.943	-15.9	87	0.00
19	T	Methyl tert-butyl Ether	50.000	53.300	-6.6	80	0.00
20	T	Methylene Chloride	50.000	49.606	0.8	77	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.007	6.0	73	0.00
22	T	Diisopropyl ether	50.000	54.011	-8.0	80	0.00
23	T	Vinyl Acetate	250.000	267.095	-6.8	79	0.00
24	P	1,1-Dichloroethane	50.000	49.558	0.9	76	0.00
25	T	2-Butanone	250.000	278.919	-11.6	84	0.00
26	T	2,2-Dichloropropane	50.000	48.462	3.1	74	-0.01
27	T	cis-1,2-Dichloroethene	50.000	49.875	0.3	78	0.00
28	T	Bromochloromethane	50.000	59.532	-19.1	95	0.00
29	T	Tetrahydrofuran	250.000	257.210	-2.9	79	-0.01
30	C	Chloroform	50.000	50.499	-1.0#	78	0.00
31	T	Cyclohexane	50.000	42.608	14.8	67	0.00
32	T	1,1,1-Trichloroethane	50.000	46.699	6.6	71	-0.01
33	S	1,2-Dichloroethane-d4	50.000	55.388	-10.8	94	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	0.00
35	S	Dibromofluoromethane	50.000	53.026	-6.1	91	0.00
36	T	1,1-Dichloropropene	50.000	44.562	10.9	71	-0.01
37	T	Ethyl Acetate	50.000	44.088	11.8	69	0.00
38	T	Carbon Tetrachloride	50.000	43.887	12.2	71	0.00
39	T	Methylcyclohexane	50.000	42.164	15.7	68	-0.01
40	TM	Benzene	50.000	47.628	4.7	75	0.00
41	T	Methacrylonitrile	50.000	49.915	0.2	76	-0.01
42	TM	1,2-Dichloroethane	50.000	50.319	-0.6	80	0.00
43	T	Isopropyl Acetate	50.000	50.985	-2.0	78	0.00
44	TM	Trichloroethene	50.000	45.119	9.8	72	0.00
45	C	1,2-Dichloropropane	50.000	49.956	0.1#	80	0.00
46	T	Dibromomethane	50.000	50.815	-1.6	82	0.00
47	T	Bromodichloromethane	50.000	51.092	-2.2	81	0.00
48	T	Methyl methacrylate	50.000	51.731	-3.5	81	0.00

Sample Results: **VX047484.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047484.D
Acq On : 22 Aug 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 01:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1114.267	-11.4	84	0.00
50	S	Toluene-d8	50.000	50.990	-2.0	88	0.00
51	T	4-Methyl-2-Pentanone	250.000	256.232	-2.5	77	0.00
52	CM	Toluene	50.000	48.047	3.9#	75	0.00
53	T	t-1,3-Dichloropropene	50.000	53.221	-6.4	80	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.024	-4.0	81	0.00
55	T	1,1,2-Trichloroethane	50.000	51.424	-2.8	82	0.00
56	T	Ethyl methacrylate	50.000	52.290	-4.6	79	0.00
57	T	1,3-Dichloropropane	50.000	51.172	-2.3	82	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	254.774	-1.9	82	0.00
59	T	2-Hexanone	250.000	252.526	-1.0	77	0.00
60	T	Dibromochloromethane	50.000	50.654	-1.3	82	0.00
61	T	1,2-Dibromoethane	50.000	50.806	-1.6	81	0.00
62	S	4-Bromofluorobenzene	50.000	52.889	-5.8	92	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	44.338	11.3	72	0.00
65	PM	Chlorobenzene	50.000	47.055	5.9	78	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	48.895	2.2	79	0.00
67	C	Ethyl Benzene	50.000	46.294	7.4#	74	0.00
68	T	m/p-Xylenes	100.000	94.196	5.8	75	0.00
69	T	o-Xylene	50.000	47.274	5.5	76	0.00
70	T	Styrene	50.000	49.714	0.6	78	0.00
71	P	Bromoform	50.000	50.704	-1.4	81	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	92	0.00
73	T	Isopropylbenzene	50.000	44.928	10.1	73	0.00
74	T	N-amyl acetate	50.000	48.909	2.2	77	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.691	2.6	81	0.00
76	T	1,2,3-Trichloropropane	50.000	47.760	4.5	79	0.00
77	T	Bromobenzene	50.000	47.082	5.8	78	0.00
78	T	n-propylbenzene	50.000	45.159	9.7	75	0.00
79	T	2-Chlorotoluene	50.000	45.189	9.6	76	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.188	7.6	76	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	41.288	17.4	77	0.00
82	T	4-Chlorotoluene	50.000	45.733	8.5	77	0.00
83	T	tert-Butylbenzene	50.000	46.111	7.8	75	0.00
84	T	1,2,4-Trimethylbenzene	50.000	46.621	6.8	76	0.00
85	T	sec-Butylbenzene	50.000	45.359	9.3	75	0.00
86	T	p-Isopropyltoluene	50.000	45.540	8.9	76	0.00
87	T	1,3-Dichlorobenzene	50.000	45.782	8.4	77	0.00
88	T	1,4-Dichlorobenzene	50.000	44.794	10.4	78	0.00
89	T	n-Butylbenzene	50.000	46.193	7.6	77	0.00
90	T	Hexachloroethane	50.000	43.750	12.5	73	0.00
91	T	1,2-Dichlorobenzene	50.000	46.538	6.9	80	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	47.970	4.1	79	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.875	6.3	81	0.00
94	T	Hexachlorobutadiene	50.000	46.878	6.2	88	0.00
95	T	Naphthalene	50.000	49.933	0.1	81	0.00

Sample Results: **VX047484.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047484.D
Acq On : 22 Aug 2025 10:00
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 25 01:19:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	47.511	5.0	81	0.00

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

Raw Data: **VX047511.D**

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: AECO02
Lab Code: ACE
SDG No.: Q2903
Instrument ID: MSVOA_X
Calibration Date/Time: 08/25/2025 10:14
Lab File ID: VX047511.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.592		-7.06	20
Chloromethane	0.573	0.503	0.1	-12.22	20
Vinyl Chloride	0.720	0.665		-7.64	20
Bromomethane	0.291	0.304		4.47	20
Chloroethane	0.440	0.395		-10.23	20
Trichlorofluoromethane	1.065	0.990		-7.04	20
1,1,2-Trichlorotrifluoroethane	0.618	0.608		-1.62	20
1,1-Dichloroethene	0.630	0.602		-4.44	20
Acetone	0.263	0.305		15.97	20
Carbon Disulfide	1.900	1.660		-12.63	20
Methyl tert-butyl Ether	1.915	2.057		7.41	20
Methyl Acetate	0.682	0.848		24.34	20
Methylene Chloride	0.697	0.688		-1.29	20
trans-1,2-Dichloroethene	0.668	0.637		-4.64	20
1,1-Dichloroethane	1.222	1.242	0.1	1.64	20
Cyclohexane	1.126	1.019		-9.5	20
2-Butanone	0.344	0.418		21.51	20
Carbon Tetrachloride	0.560	0.544		-2.86	20
cis-1,2-Dichloroethene	0.778	0.774		-0.51	20
Bromochloromethane	0.508	0.547		7.68	20
Chloroform	1.247	1.267		1.6	20
1,1,1-Trichloroethane	1.073	1.063		-0.93	20
Methylcyclohexane	0.639	0.589		-7.82	20
Benzene	1.533	1.529		-0.26	20
1,2-Dichloroethane	0.543	0.551		1.47	20
Trichloroethene	0.393	0.383		-2.55	20
1,2-Dichloropropane	0.384	0.394		2.6	20
Bromodichloromethane	0.578	0.601		3.98	20
4-Methyl-2-Pentanone	0.440	0.495		12.5	20
Toluene	0.947	0.950		0.32	20
t-1,3-Dichloropropene	0.505	0.558		10.49	20
cis-1,3-Dichloropropene	0.571	0.608		6.48	20
1,1,2-Trichloroethane	0.360	0.375		4.17	20
2-Hexanone	0.304	0.344		13.16	20
Dibromochloromethane	0.428	0.454		6.07	20
1,2-Dibromoethane	0.371	0.386		4.04	20
Tetrachloroethene	0.362	0.337		-6.91	20
Chlorobenzene	1.188	1.157	0.3	-2.61	20

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

Raw Data: **VX047511.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	AECO02
Lab Code:	ACE	SDG No.:	Q2903
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/25/2025 10:14
Lab File ID:	VX047511.D	Init. Calib. Date(s):	08/15/2025 08/15/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:40 12:30

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	1.994		-2.49	20
m/p-Xylenes	0.763	0.747		-2.1	20
o-Xylene	0.734	0.734		0	20
Styrene	1.240	1.285		3.63	20
Bromoform	0.302	0.327	0.1	8.28	20
Isopropylbenzene	3.913	3.954		1.05	20
1,1,2,2-Tetrachloroethane	1.149	1.213	0.3	5.57	20
1,3-Dichlorobenzene	1.825	1.810		-0.82	20
1,4-Dichlorobenzene	1.877	1.835		-2.24	20
1,2-Dichlorobenzene	1.733	1.752		1.1	20
1,2-Dibromo-3-Chloropropane	0.222	0.245		10.36	20
1,2,4-Trichlorobenzene	1.161	1.183		1.89	20
1,2,3-Trichlorobenzene	1.095	1.120		2.28	20
1,2-Dichloroethane-d4	0.700	0.709		1.29	20
Dibromofluoromethane	0.325	0.333		2.46	20
Toluene-d8	1.160	1.165		0.43	20
4-Bromofluorobenzene	0.428	0.438		2.34	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\VX082525\
Data File : VX047511.D
Acq On : 25 Aug 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 00:34:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2025
Supervised By :Mahesh Dadoda 08/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	225340	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	383910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	348301	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	169040	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	159870	50.693	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.380%			
35) Dibromofluoromethane	5.391	113	127874	51.322	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.640%			
50) Toluene-d8	8.647	98	447425	50.240	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.480%			
62) 4-Bromofluorobenzene	11.079	95	168309	51.214	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.420%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	133434	46.451	ug/l	100
3) Chloromethane	1.307	50	113236	43.820	ug/l	95
4) Vinyl Chloride	1.392	62	149781	46.179	ug/l	98
5) Bromomethane	1.618	94	68488	52.277	ug/l	97
6) Chloroethane	1.703	64	88968	44.832	ug/l	96
7) Trichlorofluoromethane	1.904	101	222992	46.480	ug/l	99
8) Diethyl Ether	2.148	74	86030	50.926	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.343	101	137019	49.234	ug/l	99
10) Methyl Iodide	2.465	142	177169	37.148	ug/l	98
11) Tert butyl alcohol	2.959	59	89365	325.728	ug/l	99
12) 1,1-Dichloroethene	2.331	96	135701	47.829	ug/l	100
13) Acrolein	2.246	56	194221	335.355	ug/l	99
14) Allyl chloride	2.678	41	253414	51.425	ug/l	97
15) Acrylonitrile	3.081	53	371660	280.344	ug/l	100
16) Acetone	2.392	43	343816	290.038	ug/l	100
17) Carbon Disulfide	2.526	76	373958	43.679	ug/l	99
18) Methyl Acetate	2.709	43	191155	62.227	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	463572	53.708	ug/l	99
20) Methylene Chloride	2.800	84	155047	49.394	ug/l	100
21) trans-1,2-Dichloroethene	3.105	96	143447	47.636	ug/l	97
22) Diisopropyl ether	3.770	45	519398	53.322	ug/l	98
23) Vinyl Acetate	3.727	43	2129205	266.684	ug/l	100
24) 1,1-Dichloroethane	3.617	63	279842	50.827	ug/l	99
25) 2-Butanone	4.562	43	471300	303.572	ug/l	98
26) 2,2-Dichloropropane	4.483	77	214266	51.561	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	174400	49.724	ug/l	99
28) Bromochloromethane	4.904	49	123248	53.794	ug/l	99
29) Tetrahydrofuran	5.013	42	286035	285.051	ug/l	99
30) Chloroform	5.099	83	285526	50.814	ug/l	100
31) Cyclohexane	5.477	56	229630	45.244	ug/l	95
32) 1,1,1-Trichloroethane	5.391	97	239445	49.508	ug/l	99
36) 1,1-Dichloropropene	5.696	75	187385	47.642	ug/l	99
37) Ethyl Acetate	4.721	43	194816	47.711	ug/l #	96
38) Carbon Tetrachloride	5.678	117	208682	48.552	ug/l	98
39) Methylcyclohexane	7.385	83	226307	46.128	ug/l	95
40) Benzene	6.044	78	587089	49.868	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047511.D
Acq On : 25 Aug 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 00:34:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2025
Supervised By :Mahesh Dadoda 08/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	97641	56.706	ug/l		97
42) 1,2-Dichloroethane	6.092	62	211685	50.763	ug/l		99
43) Isopropyl Acetate	6.342	43	318057	54.221	ug/l		99
44) Trichloroethene	7.129	130	146855	48.717	ug/l		100
45) 1,2-Dichloropropane	7.428	63	151288	51.296	ug/l		98
46) Dibromomethane	7.580	93	108662	50.748	ug/l		99
47) Bromodichloromethane	7.818	83	230552	51.939	ug/l		98
48) Methyl methacrylate	7.690	41	165395	54.320	ug/l		99
49) 1,4-Dioxane	7.671	88	41098	1388.469	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	949886	281.396	ug/l		98
52) Toluene	8.714	92	364755	50.140	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	214161	55.280	ug/l		98
54) cis-1,3-Dichloropropene	8.366	75	233542	53.259	ug/l		100
55) 1,1,2-Trichloroethane	9.147	97	143869	52.088	ug/l		98
56) Ethyl methacrylate	9.116	69	222885	54.733	ug/l		99
57) 1,3-Dichloropropane	9.305	76	246424	52.358	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.238	63	478357	246.134	ug/l		99
59) 2-Hexanone	9.427	43	659390	282.395	ug/l		100
60) Dibromochloromethane	9.519	129	174144	53.053	ug/l		98
61) 1,2-Dibromoethane	9.610	107	148250	52.050	ug/l		99
64) Tetrachloroethene	9.275	164	117377	46.591	ug/l		97
65) Chlorobenzene	10.080	112	403154	48.708	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	142376	50.885	ug/l		99
67) Ethyl Benzene	10.189	91	694490	48.750	ug/l		99
68) m/p-Xylenes	10.299	106	520400	97.968	ug/l		98
69) o-Xylene	10.640	106	255708	50.022	ug/l		99
70) Styrene	10.653	104	447574	51.818	ug/l		100
71) Bromoform	10.799	173	113790	54.134	ug/l	#	100
73) Isopropylbenzene	10.957	105	668401	50.529	ug/l		100
74) N-amyl acetate	10.842	43	277462	55.235	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	205097	52.808	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	166267m	53.628	ug/l		
77) Bromobenzene	11.195	156	163106	50.494	ug/l		99
78) n-propylbenzene	11.305	91	794308	50.277	ug/l		99
79) 2-Chlorotoluene	11.360	91	470478	49.263	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	549200	50.459	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	32889	46.723	ug/l		99
82) 4-Chlorotoluene	11.451	91	556677	49.448	ug/l		99
83) tert-Butylbenzene	11.713	119	560212	51.591	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	560489	51.496	ug/l		100
85) sec-Butylbenzene	11.890	105	687118	51.053	ug/l		100
86) p-Isopropyltoluene	12.006	119	576167	50.590	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	305907	49.572	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	310157	48.868	ug/l		100
89) n-Butylbenzene	12.329	91	538893	50.872	ug/l		100
90) Hexachloroethane	12.536	117	103526	51.815	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	296193	50.568	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	41383	55.096	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	200034	50.943	ug/l		98
94) Hexachlorobutadiene	13.725	225	67313	48.160	ug/l		97
95) Naphthalene	13.774	128	610778	54.430	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	189278	51.138	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047511.D
Acq On : 25 Aug 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 00:34:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2025
Supervised By :Mahesh Dadoda 08/26/2025

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

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

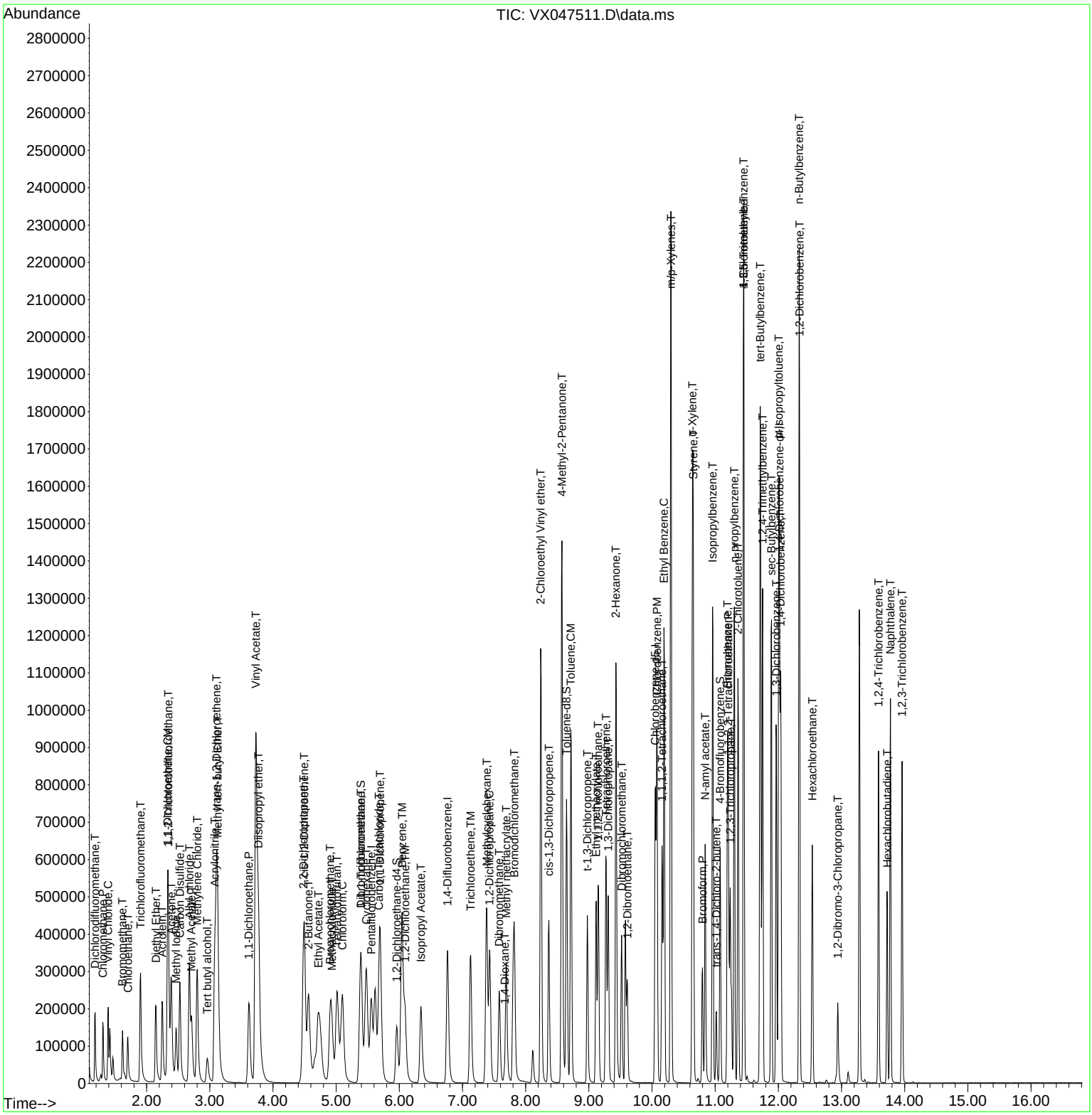
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047511.D
Acq On : 25 Aug 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 26 00:34:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2025
Supervised By :Mahesh Dadoda 08/26/2025



Sample Results: **VX047511.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047511.D
Acq On : 25 Aug 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 26 00:34:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	94	-0.01
2	T	Dichlorodifluoromethane	0.637	0.592	7.1	76	0.00
3	P	Chloromethane	0.573	0.503	12.2	76	0.00
4	C	Vinyl Chloride	0.720	0.665	7.6#	78	0.00
5	T	Bromomethane	0.291	0.304	-4.5	85	-0.01
6	T	Chloroethane	0.440	0.395	10.2	81	0.00
7	T	Trichlorofluoromethane	1.065	0.990	7.0	79	0.00
8	T	Diethyl Ether	0.375	0.382	-1.9	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.618	0.608	1.6	82	0.00
10	T	Methyl Iodide	1.058	0.786	25.7#	64	0.00
11	T	Tert butyl alcohol	0.061	0.079	-29.5#	110	0.00
12	CM	1,1-Dichloroethene	0.630	0.602	4.4#	82	0.00
13	T	Acrolein	0.129	0.172	-33.3#	123	0.00
14	T	Allyl chloride	1.093	1.125	-2.9	88	0.00
15	T	Acrylonitrile	0.294	0.330	-12.2	92	0.00
16	T	Acetone	0.263	0.305	-16.0	103	0.00
17	T	Carbon Disulfide	1.900	1.660	12.6	79	0.00
18	T	Methyl Acetate	0.682	0.848	-24.3	104	0.00
19	T	Methyl tert-butyl Ether	1.915	2.057	-7.4	89	0.00
20	T	Methylene Chloride	0.697	0.688	1.3	86	0.00
21	T	trans-1,2-Dichloroethene	0.668	0.637	4.6	83	0.00
22	T	Diisopropyl ether	2.161	2.305	-6.7	88	0.00
23	T	Vinyl Acetate	1.772	1.890	-6.7	87	0.00
24	P	1,1-Dichloroethane	1.222	1.242	-1.6	86	0.00
25	T	2-Butanone	0.344	0.418	-21.5	102	0.00
26	T	2,2-Dichloropropane	0.922	0.951	-3.1	88	-0.01
27	T	cis-1,2-Dichloroethene	0.778	0.774	0.5	86	0.00
28	T	Bromochloromethane	0.508	0.547	-7.7	95	0.00
29	T	Tetrahydrofuran	0.223	0.254	-13.9	97	-0.01
30	C	Chloroform	1.247	1.267	-1.6#	87	0.00
31	T	Cyclohexane	1.126	1.019	9.5	79	0.00
32	T	1,1,1-Trichloroethane	1.073	1.063	0.9	84	0.00
33	S	1,2-Dichloroethane-d4	0.700	0.709	-1.3	96	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
35	S	Dibromofluoromethane	0.325	0.333	-2.5	95	0.00
36	T	1,1-Dichloropropene	0.512	0.488	4.7	82	-0.01
37	T	Ethyl Acetate	0.532	0.507	4.7	81	0.00
38	T	Carbon Tetrachloride	0.560	0.544	2.9	85	-0.01
39	T	Methylcyclohexane	0.639	0.589	7.8	80	0.00
40	TM	Benzene	1.533	1.529	0.3	85	0.00
41	T	Methacrylonitrile	0.224	0.254	-13.4	93	0.00
42	TM	1,2-Dichloroethane	0.543	0.551	-1.5	87	0.00
43	T	Isopropyl Acetate	0.764	0.828	-8.4	90	0.00
44	TM	Trichloroethene	0.393	0.383	2.5	84	0.00
45	C	1,2-Dichloropropane	0.384	0.394	-2.6#	89	0.00
46	T	Dibromomethane	0.279	0.283	-1.4	89	0.00
47	T	Bromodichloromethane	0.578	0.601	-4.0	90	0.00
48	T	Methyl methacrylate	0.397	0.431	-8.6	92	0.00

Sample Results: **VX047511.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047511.D
Acq On : 25 Aug 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 26 00:34:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	0.004	0.005	-25.0	113	0.00
50	S	Toluene-d8	1.160	1.165	-0.4	94	0.00
51	T	4-Methyl-2-Pentanone	0.440	0.495	-12.5	92	0.00
52	CM	Toluene	0.947	0.950	-0.3#	85	0.00
53	T	t-1,3-Dichloropropene	0.505	0.558	-10.5	90	0.00
54	T	cis-1,3-Dichloropropene	0.571	0.608	-6.5	90	0.00
55	T	1,1,2-Trichloroethane	0.360	0.375	-4.2	90	0.00
56	T	Ethyl methacrylate	0.530	0.581	-9.6	89	0.00
57	T	1,3-Dichloropropane	0.613	0.642	-4.7	91	0.00
58	T	2-Chloroethyl Vinyl ether	0.211	0.249	-18.0	86	0.00
59	T	2-Hexanone	0.304	0.344	-13.2	94	0.00
60	T	Dibromochloromethane	0.428	0.454	-6.1	92	0.00
61	T	1,2-Dibromoethane	0.371	0.386	-4.0	89	0.00
62	S	4-Bromofluorobenzene	0.428	0.438	-2.3	97	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
64	T	Tetrachloroethene	0.362	0.337	6.9	81	0.00
65	PM	Chlorobenzene	1.188	1.157	2.6	86	0.00
66	T	1,1,1,2-Tetrachloroethane	0.402	0.409	-1.7	89	0.00
67	C	Ethyl Benzene	2.045	1.994	2.5#	84	0.00
68	T	m/p-Xylenes	0.763	0.747	2.1	84	0.00
69	T	o-Xylene	0.734	0.734	0.0	87	0.00
70	T	Styrene	1.240	1.285	-3.6	87	0.00
71	P	Bromoform	0.302	0.327	-8.3	94	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.913	3.954	-1.0	86	0.00
74	T	N-amyl acetate	1.486	1.641	-10.4	90	0.00
75	P	1,1,2,2-Tetrachloroethane	1.149	1.213	-5.6	91	0.00
76	T	1,2,3-Trichloropropane	0.917	0.984	-7.3	92	0.00
77	T	Bromobenzene	0.955	0.965	-1.0	87	0.00
78	T	n-propylbenzene	4.673	4.699	-0.6	86	0.00
79	T	2-Chlorotoluene	2.825	2.783	1.5	86	0.00
80	T	1,3,5-Trimethylbenzene	3.219	3.249	-0.9	86	0.00
81	T	trans-1,4-Dichloro-2-butene	0.178	0.195	-9.6	93	0.00
82	T	4-Chlorotoluene	3.330	3.293	1.1	86	0.00
83	T	tert-Butylbenzene	3.212	3.314	-3.2	87	0.00
84	T	1,2,4-Trimethylbenzene	3.219	3.316	-3.0	87	0.00
85	T	sec-Butylbenzene	3.981	4.065	-2.1	88	0.00
86	T	p-Isopropyltoluene	3.369	3.408	-1.2	87	0.00
87	T	1,3-Dichlorobenzene	1.825	1.810	0.8	87	0.00
88	T	1,4-Dichlorobenzene	1.877	1.835	2.2	88	0.00
89	T	n-Butylbenzene	3.133	3.188	-1.8	88	0.00
90	T	Hexachloroethane	0.591	0.612	-3.6	89	0.00
91	T	1,2-Dichlorobenzene	1.733	1.752	-1.1	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.222	0.245	-10.4	94	0.00
93	T	1,2,4-Trichlorobenzene	1.161	1.183	-1.9	91	0.00
94	T	Hexachlorobutadiene	0.413	0.398	3.6	94	0.00
95	T	Naphthalene	3.319	3.613	-8.9	91	0.00

Sample Results: **VX047511.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047511.D
Acq On : 25 Aug 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 26 00:34:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1.095	1.120	-2.3	91	0.00

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

Sample Results: **VX047511.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047511.D
Acq On : 25 Aug 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 26 00:34:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	94	-0.01
2	T	Dichlorodifluoromethane	50.000	46.451	7.1	76	0.00
3	P	Chloromethane	50.000	43.820	12.4	76	0.00
4	C	Vinyl Chloride	50.000	46.179	7.6#	78	0.00
5	T	Bromomethane	50.000	52.277	-4.6	85	-0.01
6	T	Chloroethane	50.000	44.832	10.3	81	0.00
7	T	Trichlorofluoromethane	50.000	46.480	7.0	79	0.00
8	T	Diethyl Ether	50.000	50.926	-1.9	87	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.234	1.5	82	0.00
10	T	Methyl Iodide	50.000	37.148	25.7#	64	0.00
11	T	Tert butyl alcohol	250.000	325.728	-30.3#	110	0.00
12	CM	1,1-Dichloroethene	50.000	47.829	4.3#	82	0.00
13	T	Acrolein	250.000	335.355	-34.1#	123	0.00
14	T	Allyl chloride	50.000	51.425	-2.8	88	0.00
15	T	Acrylonitrile	250.000	280.344	-12.1	92	0.00
16	T	Acetone	250.000	290.038	-16.0	103	0.00
17	T	Carbon Disulfide	50.000	43.679	12.6	79	0.00
18	T	Methyl Acetate	50.000	62.227	-24.5	104	0.00
19	T	Methyl tert-butyl Ether	50.000	53.708	-7.4	89	0.00
20	T	Methylene Chloride	50.000	49.394	1.2	86	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.636	4.7	83	0.00
22	T	Diisopropyl ether	50.000	53.322	-6.6	88	0.00
23	T	Vinyl Acetate	250.000	266.684	-6.7	87	0.00
24	P	1,1-Dichloroethane	50.000	50.827	-1.7	86	0.00
25	T	2-Butanone	250.000	303.572	-21.4	102	0.00
26	T	2,2-Dichloropropane	50.000	51.561	-3.1	88	-0.01
27	T	cis-1,2-Dichloroethene	50.000	49.724	0.6	86	0.00
28	T	Bromochloromethane	50.000	53.794	-7.6	95	0.00
29	T	Tetrahydrofuran	250.000	285.051	-14.0	97	-0.01
30	C	Chloroform	50.000	50.814	-1.6#	87	0.00
31	T	Cyclohexane	50.000	45.244	9.5	79	0.00
32	T	1,1,1-Trichloroethane	50.000	49.508	1.0	84	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.693	-1.4	96	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	95	0.00
35	S	Dibromofluoromethane	50.000	51.322	-2.6	95	0.00
36	T	1,1-Dichloropropene	50.000	47.642	4.7	82	-0.01
37	T	Ethyl Acetate	50.000	47.711	4.6	81	0.00
38	T	Carbon Tetrachloride	50.000	48.552	2.9	85	-0.01
39	T	Methylcyclohexane	50.000	46.128	7.7	80	0.00
40	TM	Benzene	50.000	49.868	0.3	85	0.00
41	T	Methacrylonitrile	50.000	56.706	-13.4	93	0.00
42	TM	1,2-Dichloroethane	50.000	50.763	-1.5	87	0.00
43	T	Isopropyl Acetate	50.000	54.221	-8.4	90	0.00
44	TM	Trichloroethene	50.000	48.717	2.6	84	0.00
45	C	1,2-Dichloropropane	50.000	51.296	-2.6#	89	0.00
46	T	Dibromomethane	50.000	50.748	-1.5	89	0.00
47	T	Bromodichloromethane	50.000	51.939	-3.9	90	0.00
48	T	Methyl methacrylate	50.000	54.320	-8.6	92	0.00

Sample Results: **VX047511.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047511.D
Acq On : 25 Aug 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 26 00:34:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	1388.469	-38.8#	113	0.00
50	S	Toluene-d8	50.000	50.240	-0.5	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	281.396	-12.6	92	0.00
52	CM	Toluene	50.000	50.140	-0.3#	85	0.00
53	T	t-1,3-Dichloropropene	50.000	55.280	-10.6	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	53.259	-6.5	90	0.00
55	T	1,1,2-Trichloroethane	50.000	52.088	-4.2	90	0.00
56	T	Ethyl methacrylate	50.000	54.733	-9.5	89	0.00
57	T	1,3-Dichloropropane	50.000	52.358	-4.7	91	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.134	1.5	86	0.00
59	T	2-Hexanone	250.000	282.395	-13.0	94	0.00
60	T	Dibromochloromethane	50.000	53.053	-6.1	92	0.00
61	T	1,2-Dibromoethane	50.000	52.050	-4.1	89	0.00
62	S	4-Bromofluorobenzene	50.000	51.214	-2.4	97	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	96	0.00
64	T	Tetrachloroethene	50.000	46.591	6.8	81	0.00
65	PM	Chlorobenzene	50.000	48.708	2.6	86	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.885	-1.8	89	0.00
67	C	Ethyl Benzene	50.000	48.750	2.5#	84	0.00
68	T	m/p-Xylenes	100.000	97.968	2.0	84	0.00
69	T	o-Xylene	50.000	50.022	-0.0	87	0.00
70	T	Styrene	50.000	51.818	-3.6	87	0.00
71	P	Bromoform	50.000	54.134	-8.3	94	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	50.529	-1.1	86	0.00
74	T	N-amyl acetate	50.000	55.235	-10.5	90	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.808	-5.6	91	0.00
76	T	1,2,3-Trichloropropane	50.000	53.628	-7.3	92	0.00
77	T	Bromobenzene	50.000	50.494	-1.0	87	0.00
78	T	n-propylbenzene	50.000	50.277	-0.6	86	0.00
79	T	2-Chlorotoluene	50.000	49.263	1.5	86	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.459	-0.9	86	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	46.723	6.6	93	0.00
82	T	4-Chlorotoluene	50.000	49.448	1.1	86	0.00
83	T	tert-Butylbenzene	50.000	51.591	-3.2	87	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.496	-3.0	87	0.00
85	T	sec-Butylbenzene	50.000	51.053	-2.1	88	0.00
86	T	p-Isopropyltoluene	50.000	50.590	-1.2	87	0.00
87	T	1,3-Dichlorobenzene	50.000	49.572	0.9	87	0.00
88	T	1,4-Dichlorobenzene	50.000	48.868	2.3	88	0.00
89	T	n-Butylbenzene	50.000	50.872	-1.7	88	0.00
90	T	Hexachloroethane	50.000	51.815	-3.6	89	0.00
91	T	1,2-Dichlorobenzene	50.000	50.568	-1.1	90	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	55.096	-10.2	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.943	-1.9	91	0.00
94	T	Hexachlorobutadiene	50.000	48.160	3.7	94	0.00
95	T	Naphthalene	50.000	54.430	-8.9	91	0.00

Sample Results: **VX047511.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047511.D
Acq On : 25 Aug 2025 10:14
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 26 00:34:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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	51.138	-2.3	91	0.00

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

QC SAMPLE DATA

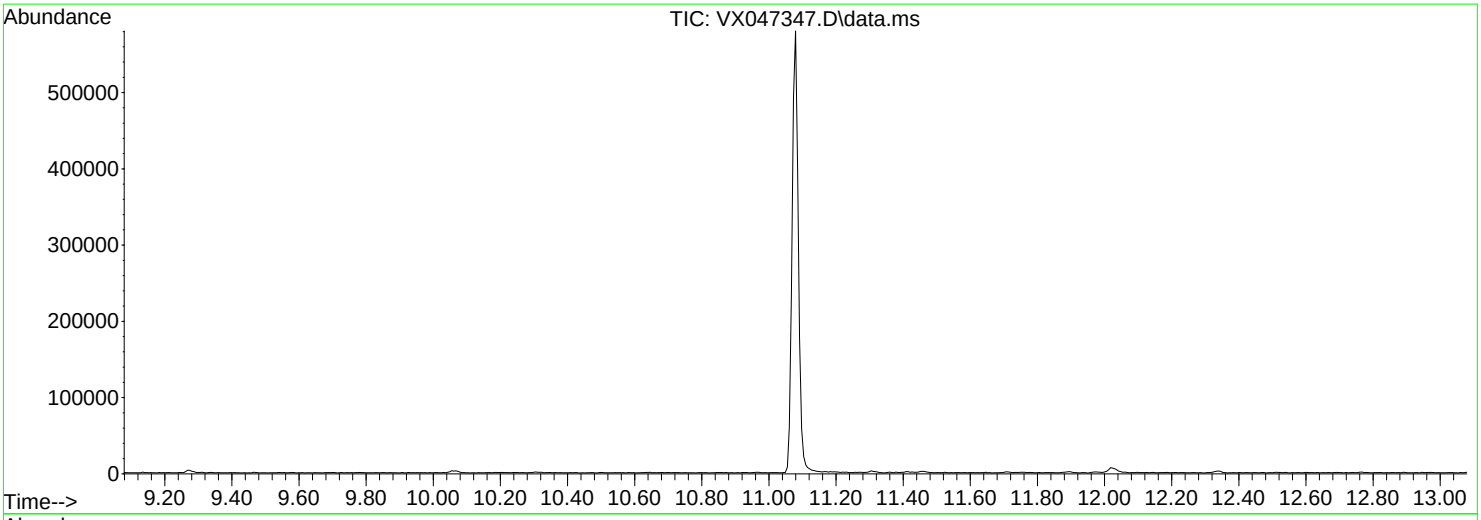
Sample Results: **VX047347.D**

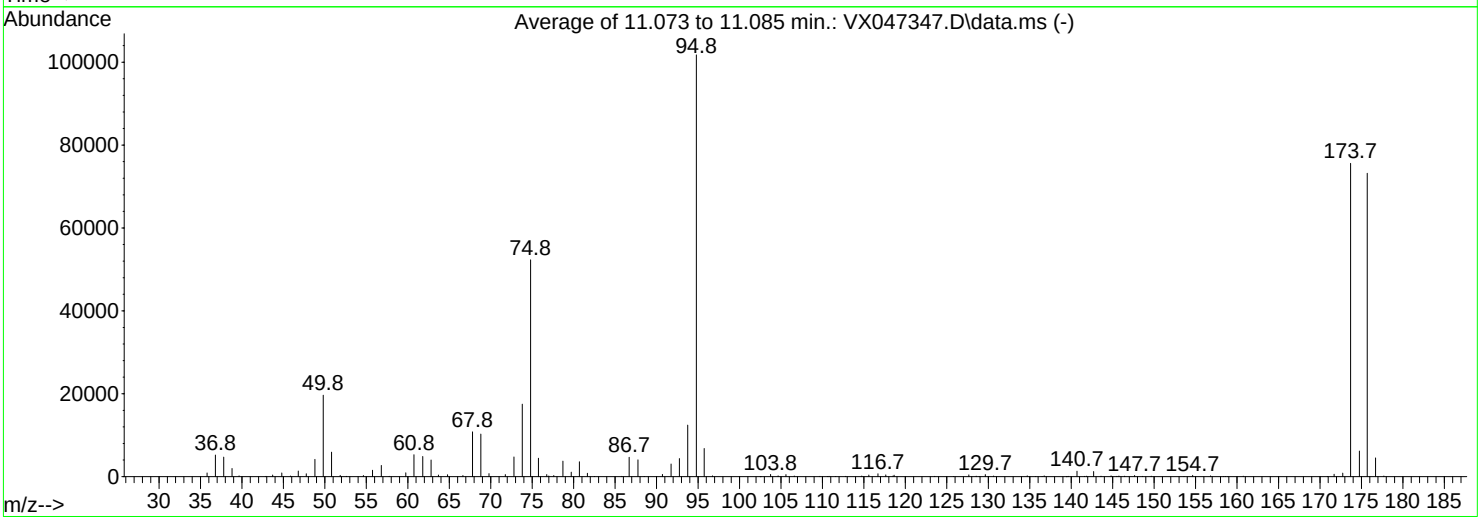
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081525\
Data File : VX047347.D
Acq On : 15 Aug 2025 08:28
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 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	19.3	19650	PASS
75	95	30	60	51.4	52320	PASS
95	95	100	100	100.0	101773	PASS
96	95	5	9	6.7	6795	PASS
173	174	0.00	2	1.1	867	PASS
174	95	50	100	74.3	75603	PASS
175	174	5	9	8.2	6186	PASS
176	174	95	101	96.8	73213	PASS
177	176	5	9	6.2	4510	PASS

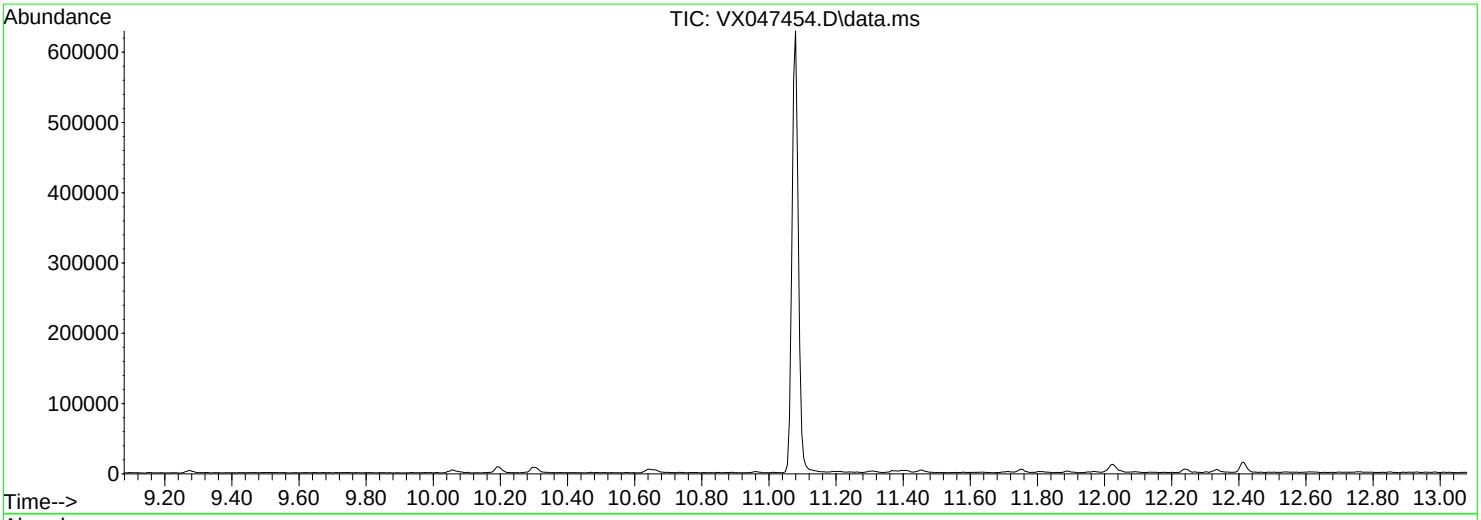
Sample Results: **VX047454.D**

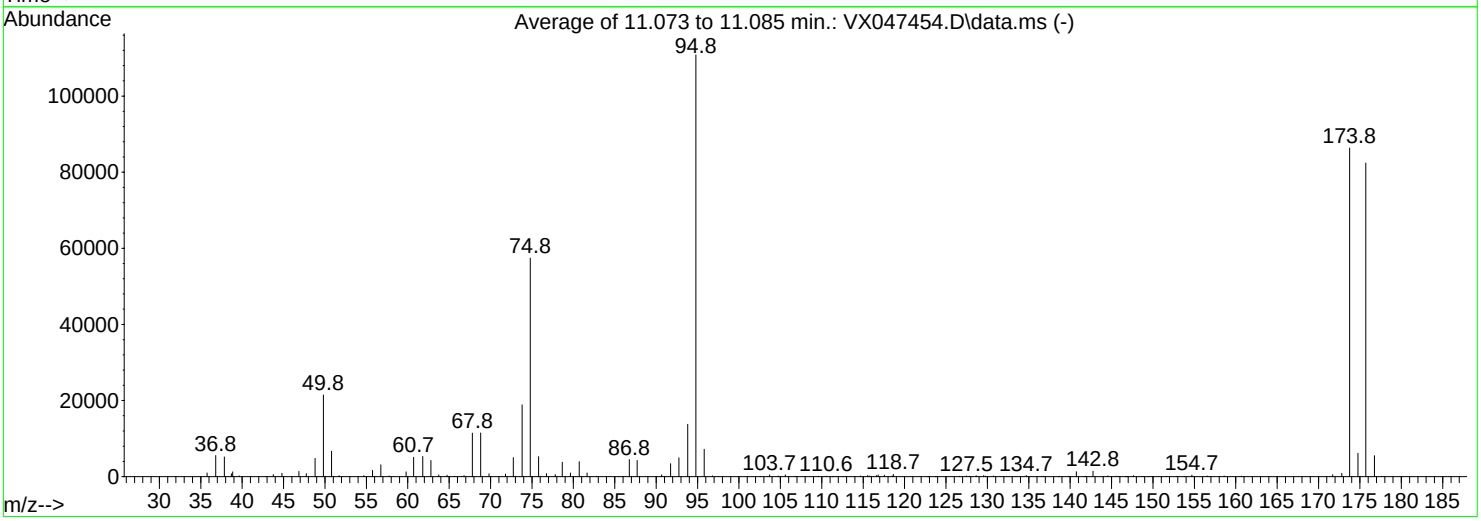
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047454.D
Acq On : 21 Aug 2025 07:58
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 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	21493	PASS
75	95	30	60	51.8	57413	PASS
95	95	100	100	100.0	110837	PASS
96	95	5	9	6.5	7187	PASS
173	174	0.00	2	1.0	873	PASS
174	95	50	100	77.9	86360	PASS
175	174	5	9	7.1	6128	PASS
176	174	95	101	95.4	82403	PASS
177	176	5	9	6.7	5524	PASS

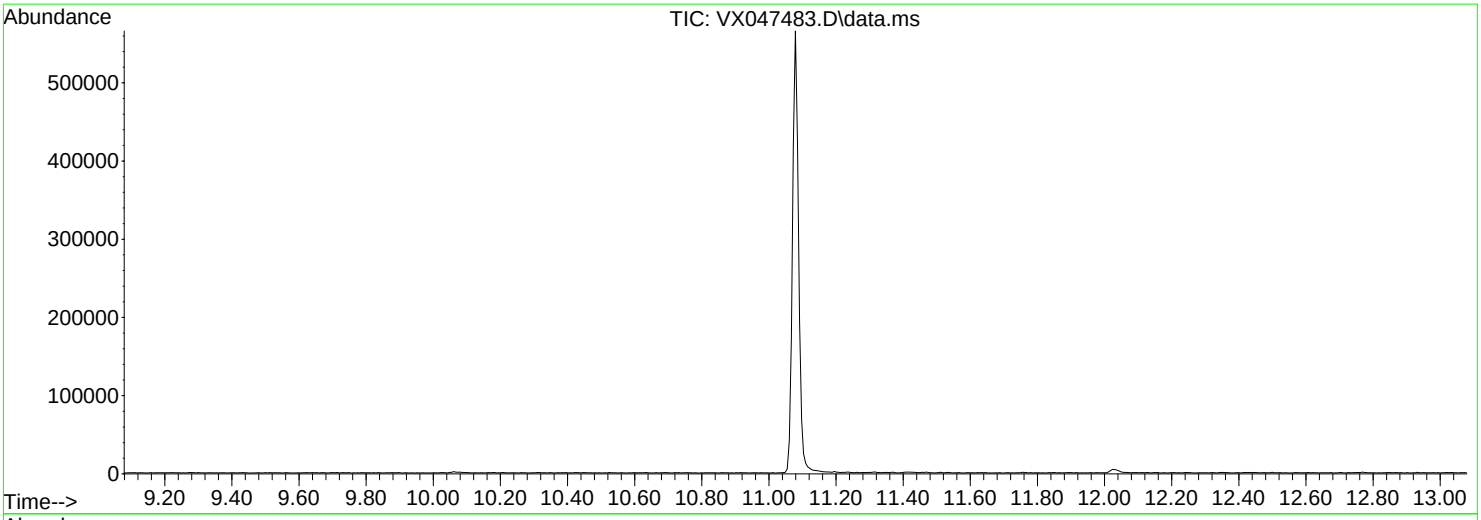
Sample Results: **VX047483.D**

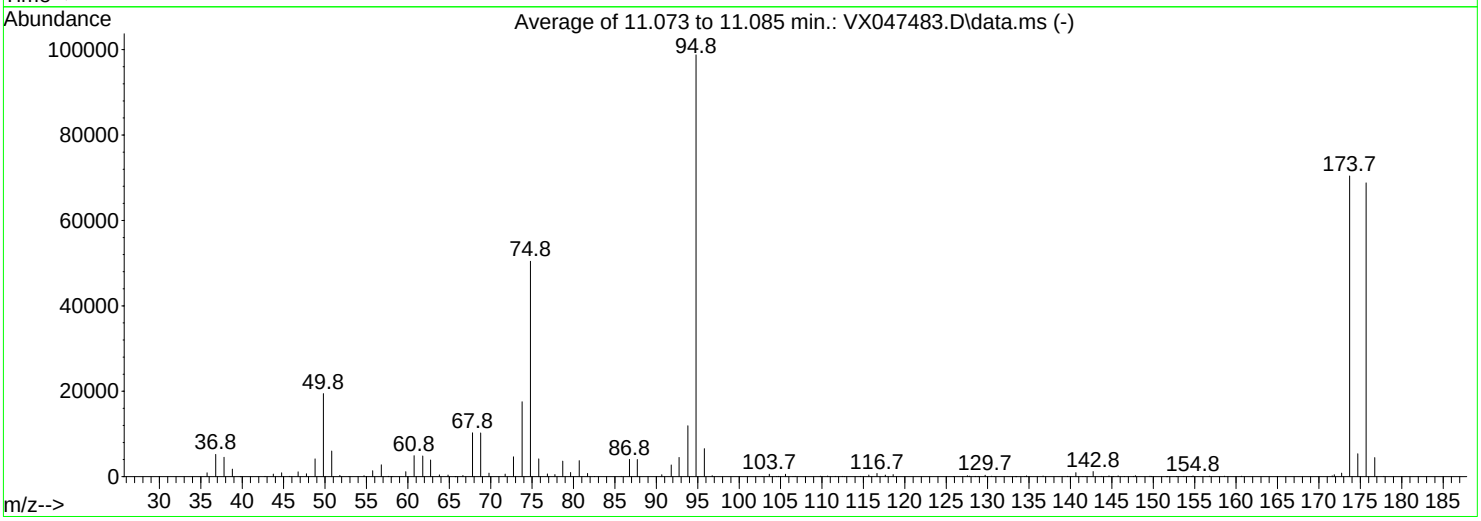
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047483.D
Acq On : 22 Aug 2025 08:25
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 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	19.7	19453	PASS
75	95	30	60	51.1	50448	PASS
95	95	100	100	100.0	98781	PASS
96	95	5	9	6.6	6551	PASS
173	174	0.00	2	1.2	839	PASS
174	95	50	100	71.3	70411	PASS
175	174	5	9	7.6	5361	PASS
176	174	95	101	97.7	68784	PASS
177	176	5	9	6.5	4464	PASS

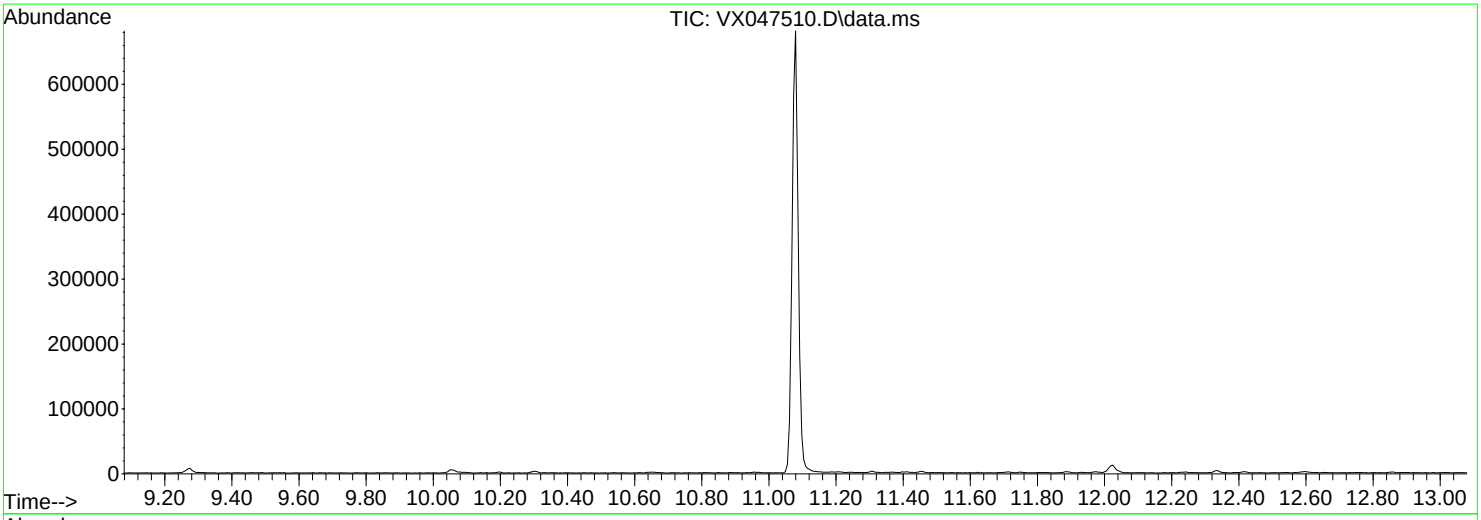
Sample Results: **VX047510.D**

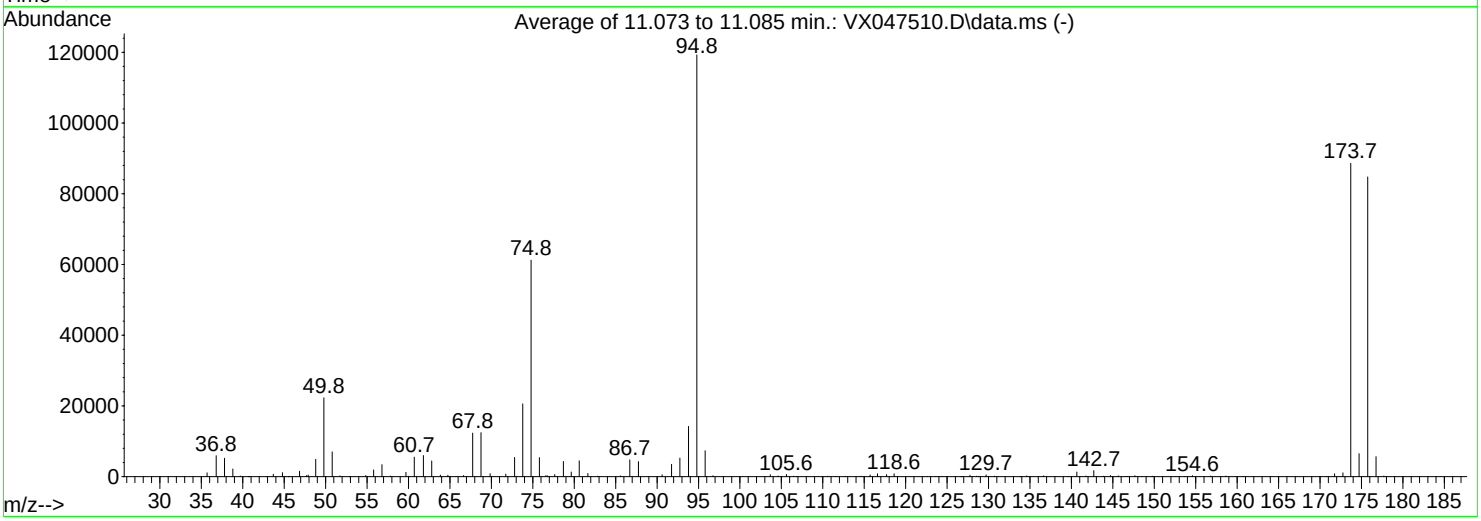
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047510.D
Acq On : 25 Aug 2025 08:12
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260
Last Update : Mon Aug 18 04:18:28 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	18.7	22289	PASS
75	95	30	60	51.3	61211	PASS
95	95	100	100	100.0	119288	PASS
96	95	5	9	6.2	7337	PASS
173	174	0.00	2	1.2	1104	PASS
174	95	50	100	74.3	88611	PASS
175	174	5	9	7.4	6518	PASS
176	174	95	101	95.6	84741	PASS
177	176	5	9	6.7	5649	PASS

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0821WBL01	SDG No.:	Q2903
Lab Sample ID:	VX0821WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047457.D	1	08/21/25 10:24	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0821WBL01	SDG No.:	Q2903
Lab Sample ID:	VX0821WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047457.D	1	08/21/25 10:24	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.4		74 - 125	115%	SPK: 50
1868-53-7	Dibromofluoromethane	48.9		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	48.7		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	217000	5.562			
540-36-3	1,4-Difluorobenzene	446000	6.769			
3114-55-4	Chlorobenzene-d5	448000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	232000	12.018			

Raw Data: **VX047457.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0821WBL01	SDG No.:	Q2903
Lab Sample ID:	VX0821WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047457.D	1	08/21/25 10:24	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Time: Aug 22 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

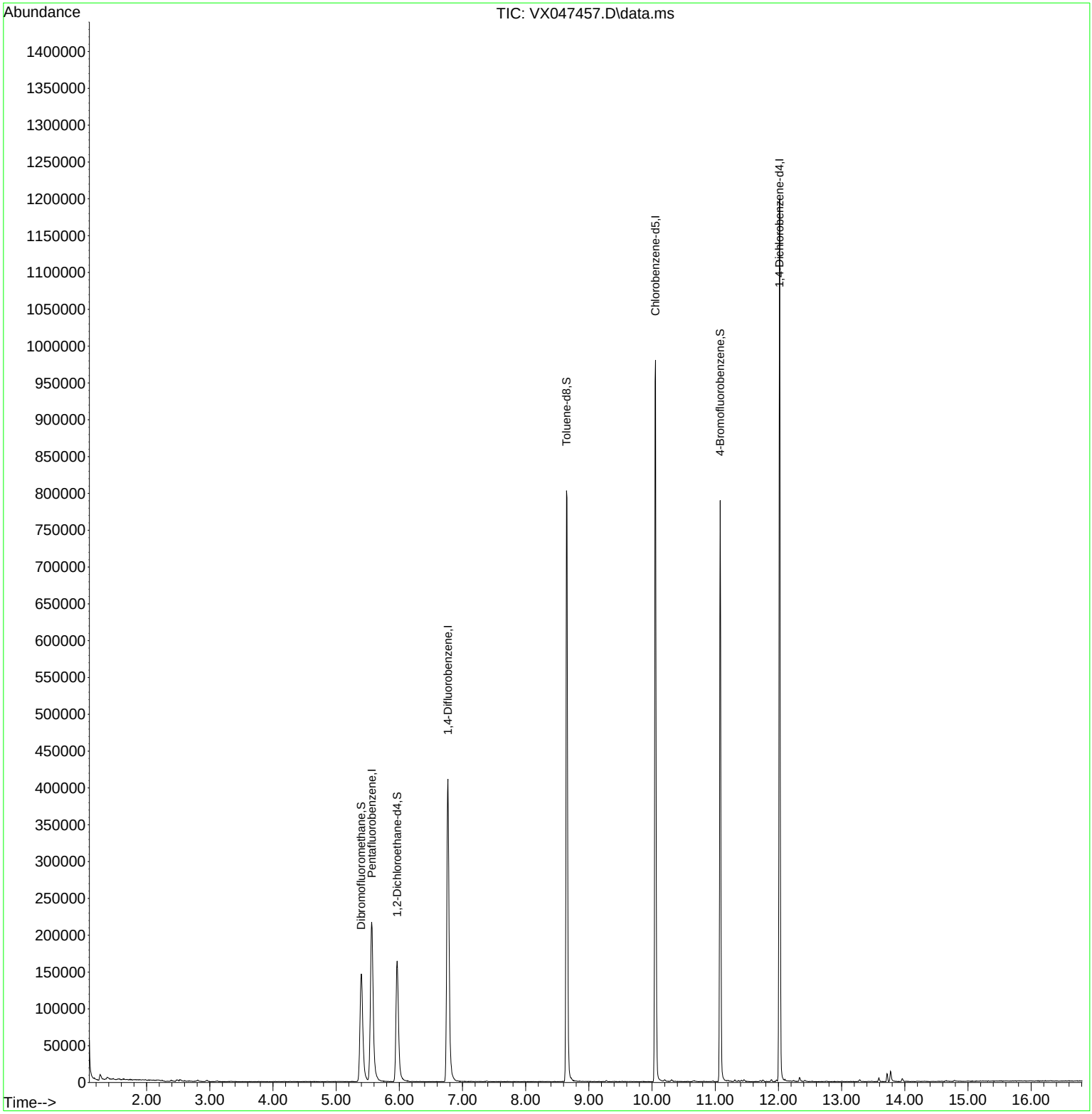
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	216518	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	445927	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	448054	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	231897	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	173844	57.370	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.740%			
35) Dibromofluoromethane	5.397	113	141661	48.948	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.900%			
50) Toluene-d8	8.647	98	503800	48.703	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.400%			
62) 4-Bromofluorobenzene	11.079	95	212116	55.568	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.140%			
Target Compounds						Qvalue

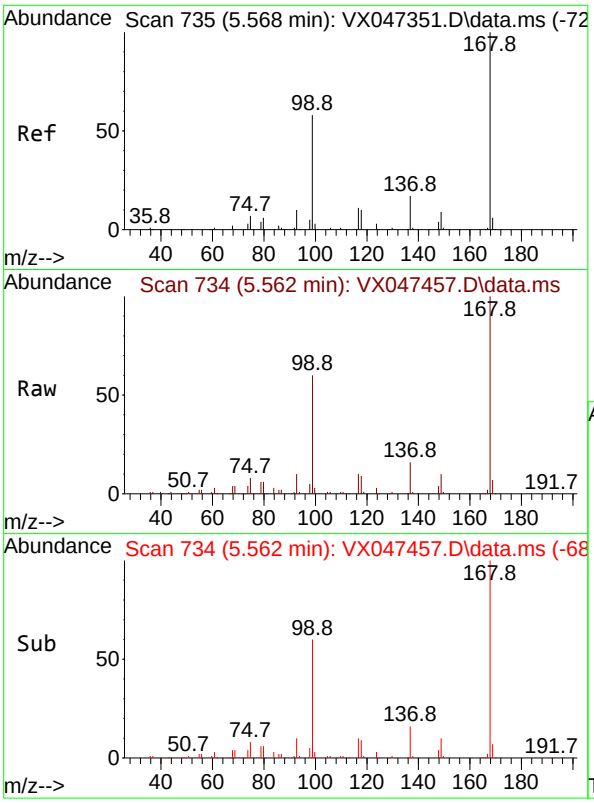
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Time: Aug 22 03:39:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



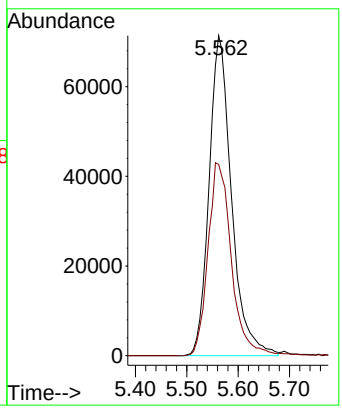


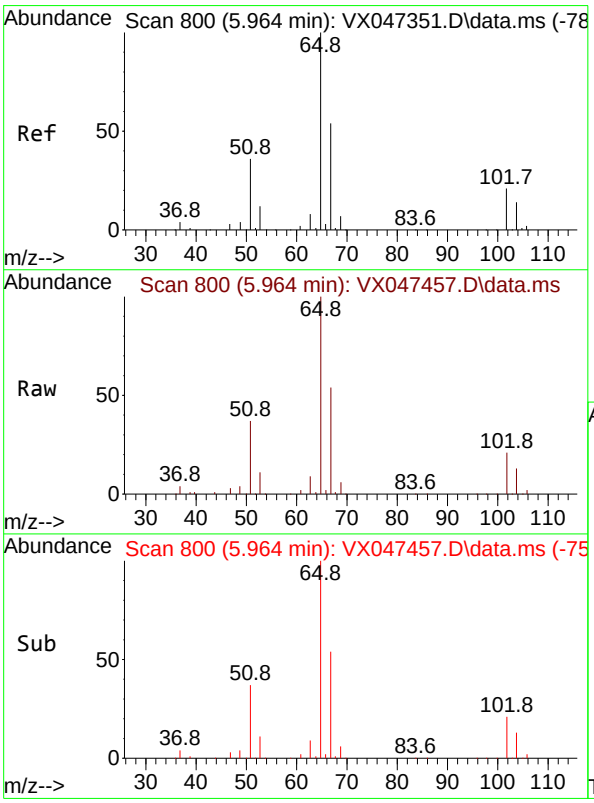
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion:168 Resp: 216518

Ion	Ratio	Lower	Upper
168	100		
99	59.8	47.9	71.9

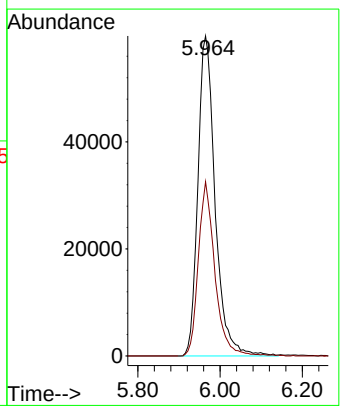


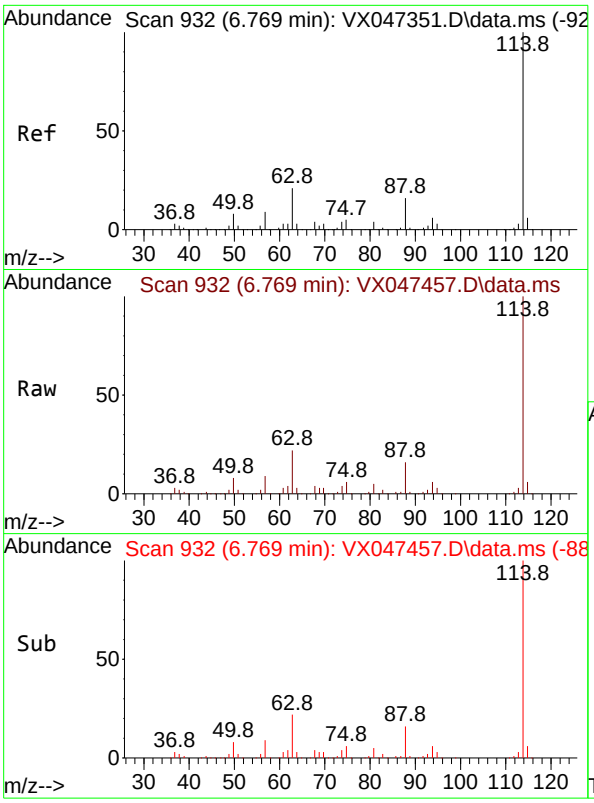


#33
1,2-Dichloroethane-d4
Concen: 57.370 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 65 Resp: 173844

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.0



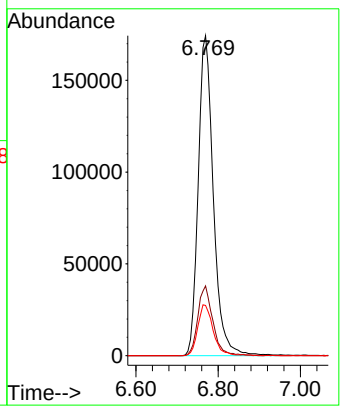


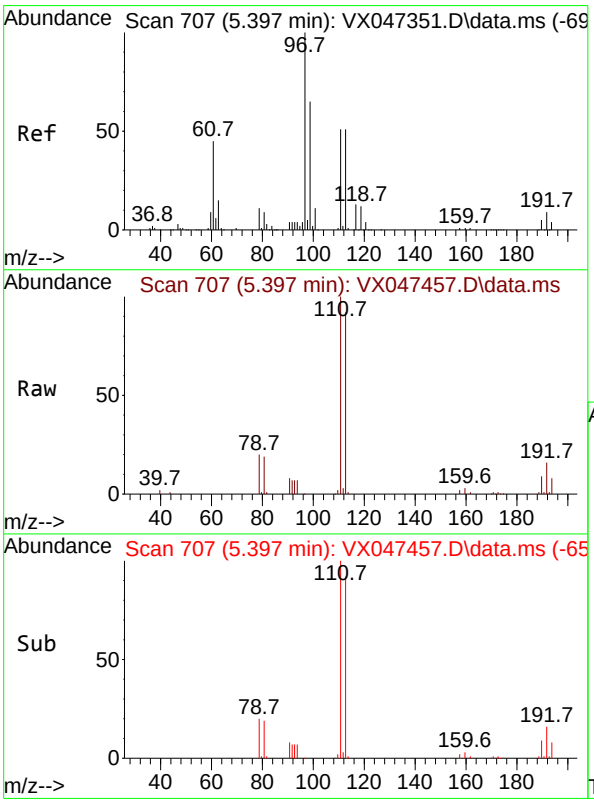
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion:114 Resp: 445927

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	42.4
88	15.7	0.0	33.0

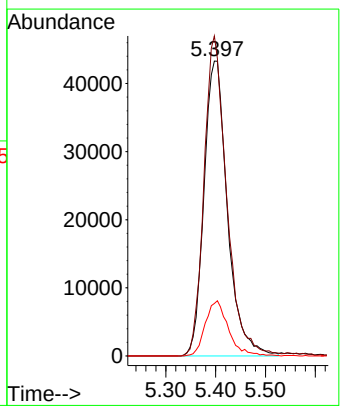


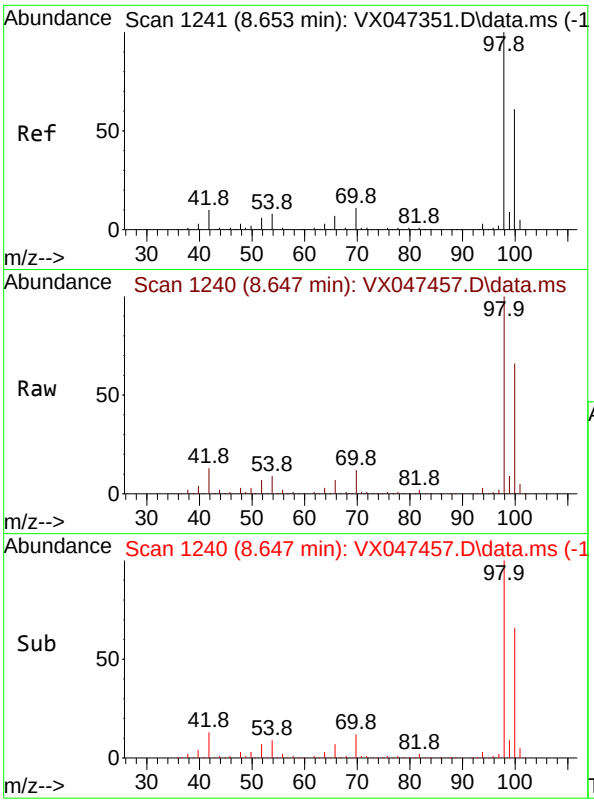


#35
Dibromofluoromethane
Concen: 48.948 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion:113 Resp: 141661

Ion	Ratio	Lower	Upper
113	100		
111	104.7	81.4	122.2
192	18.4	14.1	21.1



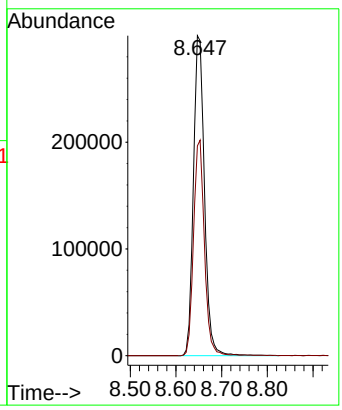


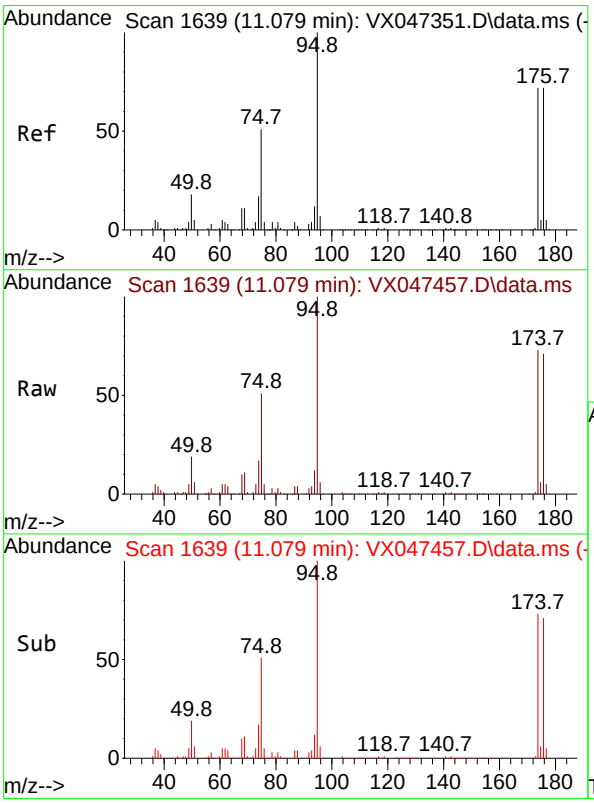
#50
Toluene-d8
Concen: 48.703 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion: 98 Resp: 503800

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.9	80.9

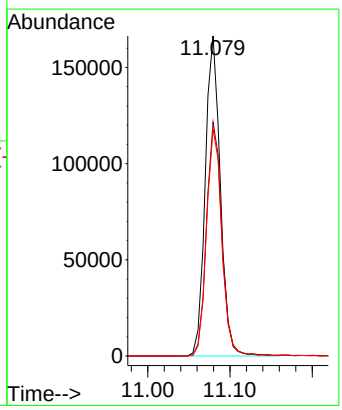


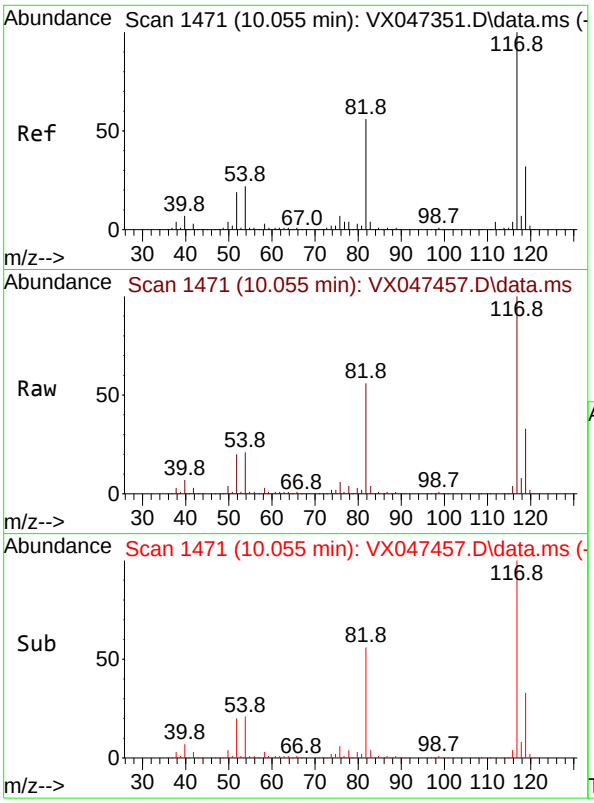


#62
4-Bromofluorobenzene
Concen: 55.568 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion: 95 Resp: 212116

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	148.0
176	71.7	0.0	145.4



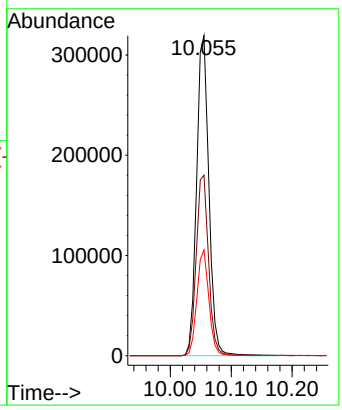


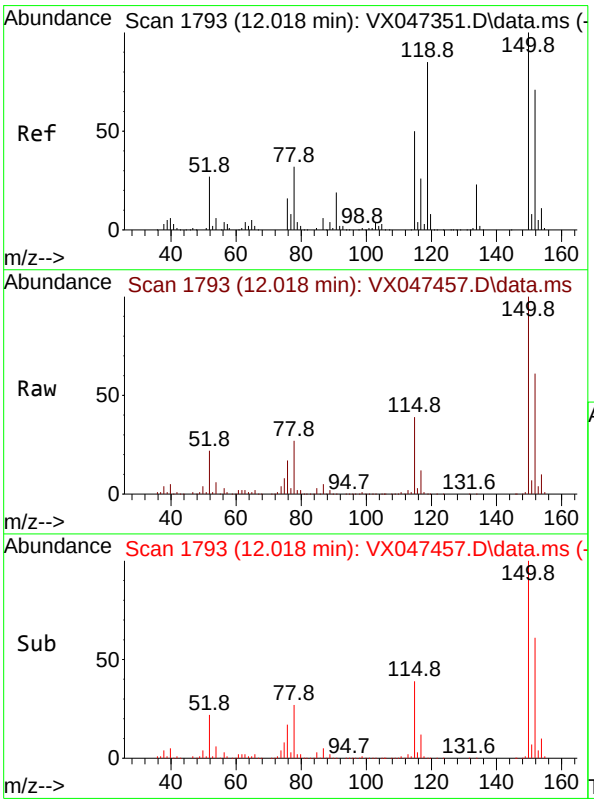
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Tgt Ion:117 Resp: 448054

Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.0	67.4
119	33.1	25.8	38.8

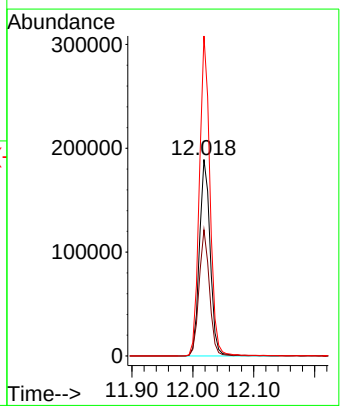




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047457.D
Acq: 21 Aug 2025 10:24

Tgt Ion:152 Resp: 231897

Ion	Ratio	Lower	Upper
152	100		
115	62.1	44.6	133.8
150	159.9	0.0	349.8



Sample Results: **VX047457.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047457.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	% max.	% of total
1	1.264	25	29	35	rBV	7526	14866	1.03%	0.188%
2	5.397	696	707	724	rBV2	146305	466332	32.29%	5.900%
3	5.562	724	734	753	rVB2	214883	661461	45.80%	8.369%
4	5.964	790	800	821	rBV2	163984	473674	32.80%	5.993%
5	6.769	920	932	955	rBV	410913	1052663	72.89%	13.319%
6	8.647	1234	1240	1260	rBV	802424	1355807	93.88%	17.154%
7	10.055	1465	1471	1489	rBV	979592	1395726	96.65%	17.659%
8	11.079	1633	1639	1652	rBV	789349	1015571	70.32%	12.850%
9	12.018	1788	1793	1806	rBV	1197854	1444162	100.00%	18.272%
10	13.774	2076	2081	2090	rBV	14186	23296	1.61%	0.295%

Sum of corrected areas: 7903558

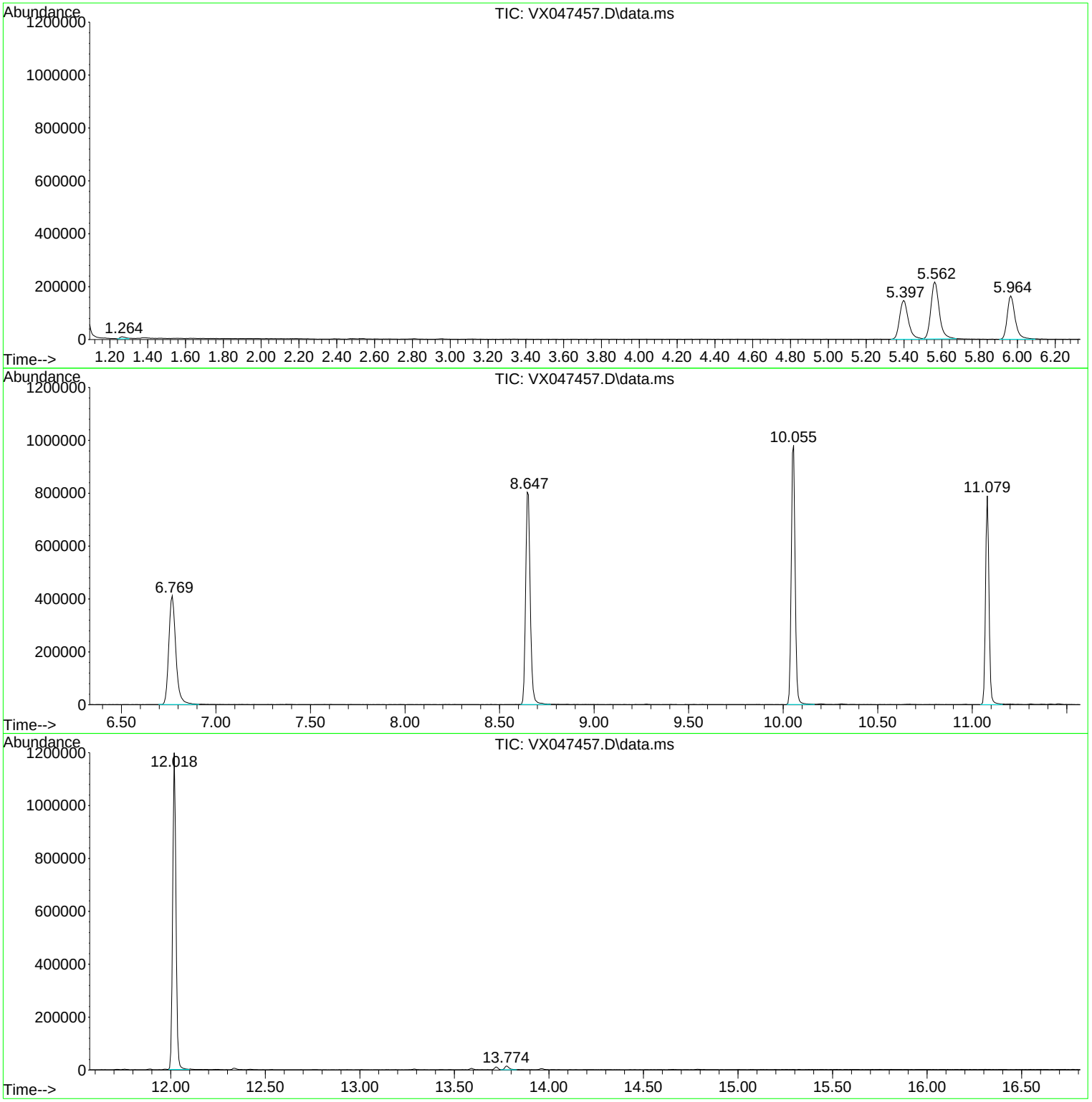
Sample Results: **VX047457.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX047457.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047457.D
Acq On : 21 Aug 2025 10:24
Operator : JC/MD
Sample : VX0821WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Raw Data: **VX047486.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0822WBL01	SDG No.:	Q2903
Lab Sample ID:	VX0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047486.D	1	08/22/25 10:53	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0822WBL01	SDG No.:	Q2903
Lab Sample ID:	VX0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047486.D	1	08/22/25 10:53	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.9		74 - 125	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	49.3		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		77 - 121	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	211000	5.562			
540-36-3	1,4-Difluorobenzene	425000	6.769			
3114-55-4	Chlorobenzene-d5	433000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	222000	12.018			

Raw Data: **VX047486.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0822WBL01	SDG No.:	Q2903
Lab Sample ID:	VX0822WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047486.D	1	08/22/25 10:53	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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: **VX047486.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Time: Aug 25 01:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

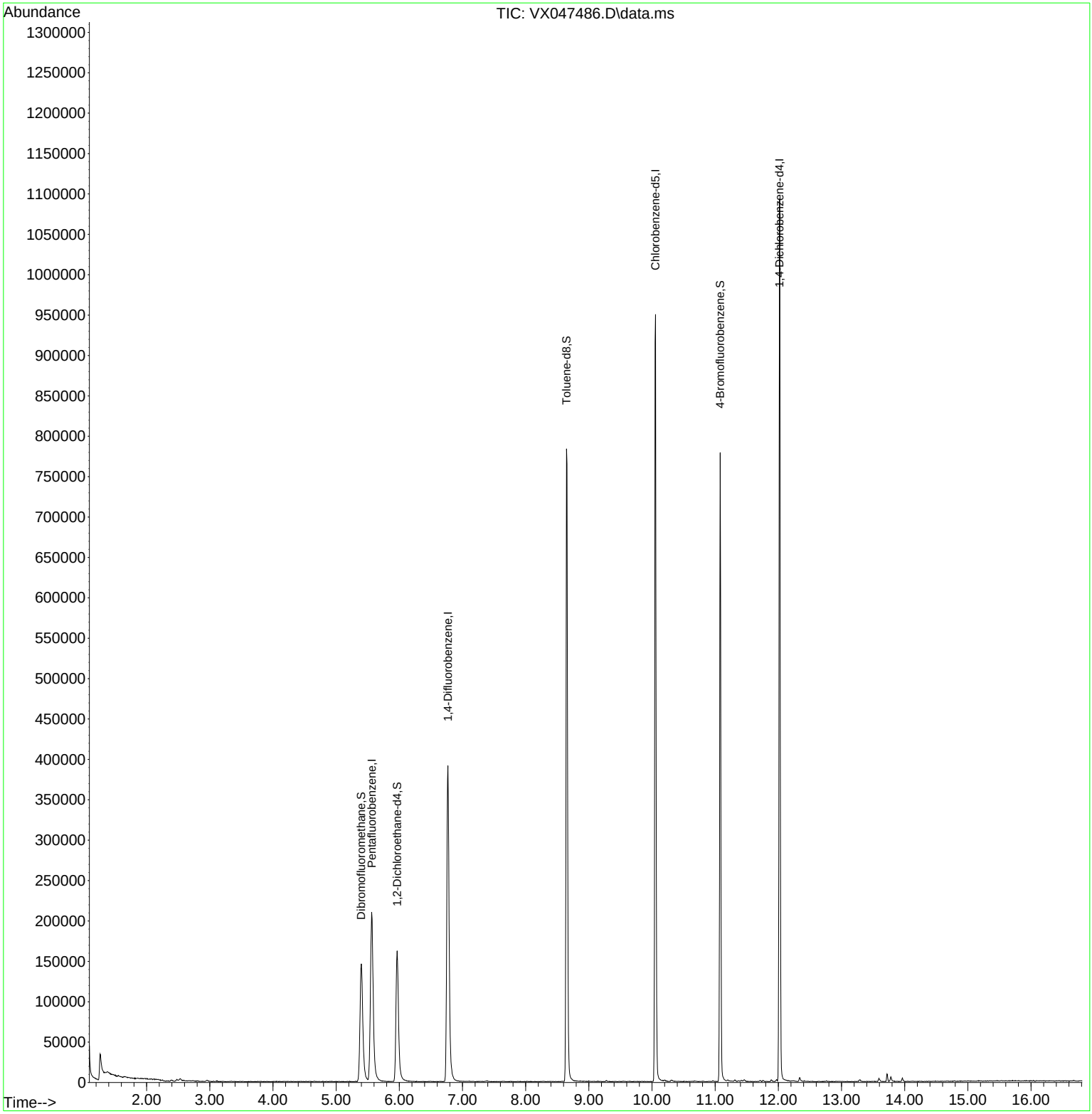
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	210866	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	425323	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	433100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	221983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	170925	57.918	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.840%			
35) Dibromofluoromethane	5.397	113	139968	50.706	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.420%			
50) Toluene-d8	8.647	98	486341	49.293	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 98.580%			
62) 4-Bromofluorobenzene	11.079	95	205709	56.500	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.000%			
Target Compounds						Qvalue

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

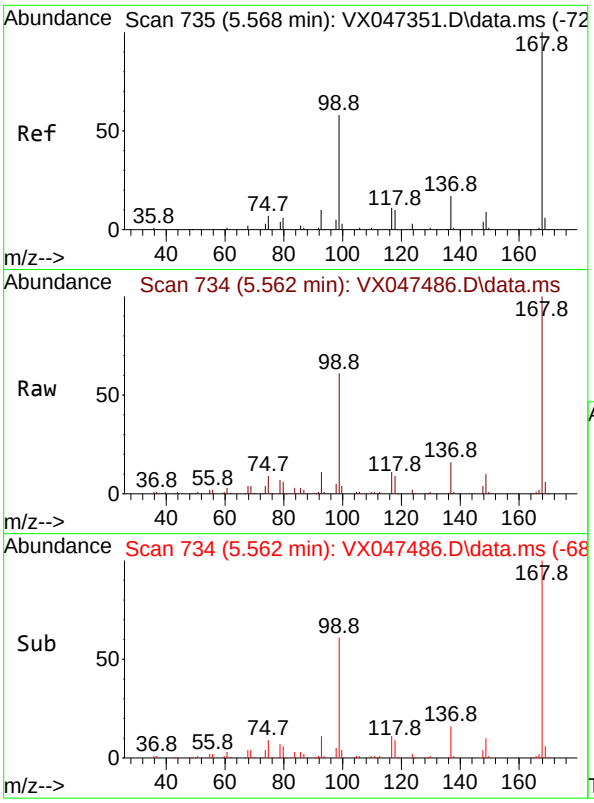
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Time: Aug 25 01:24:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



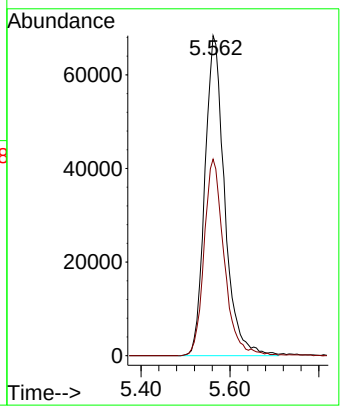
Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

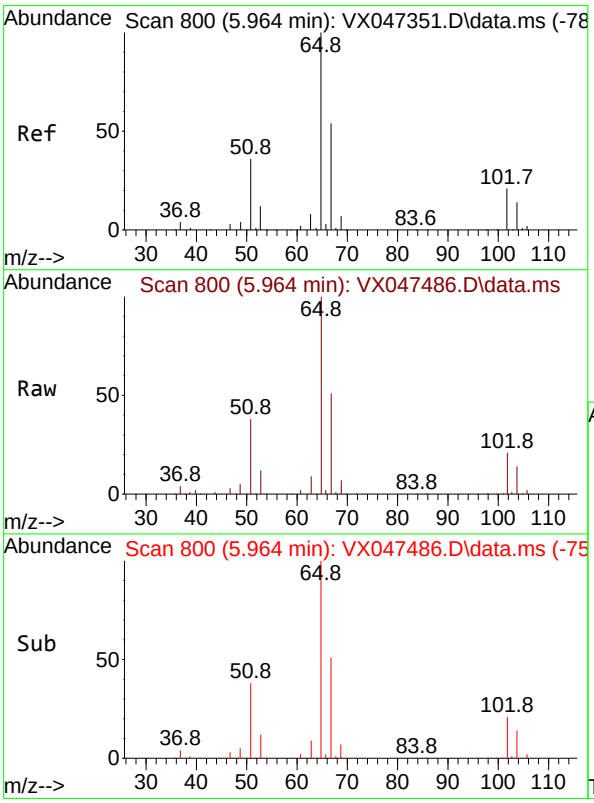


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion:168 Resp: 210866

Ion	Ratio	Lower	Upper
168	100		
99	61.4	47.9	71.9

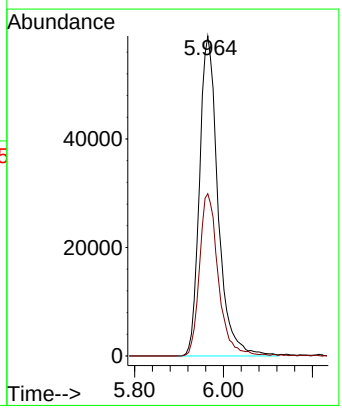


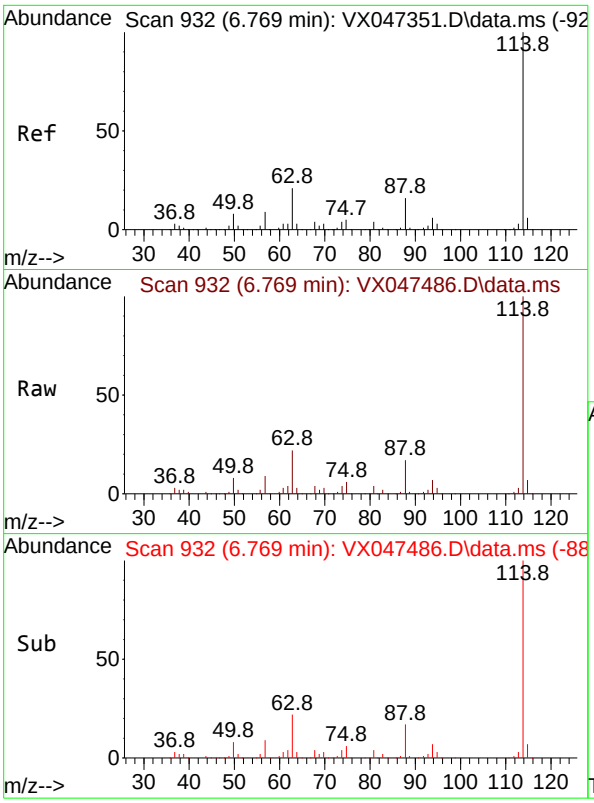


#33
1,2-Dichloroethane-d4
Concen: 57.918 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 65 Resp: 170925

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	106.0



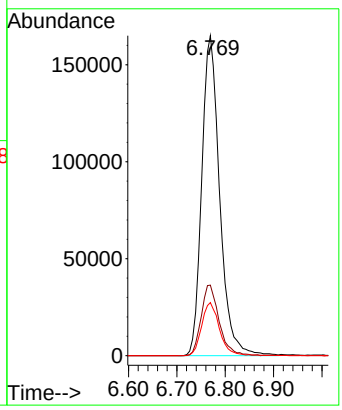


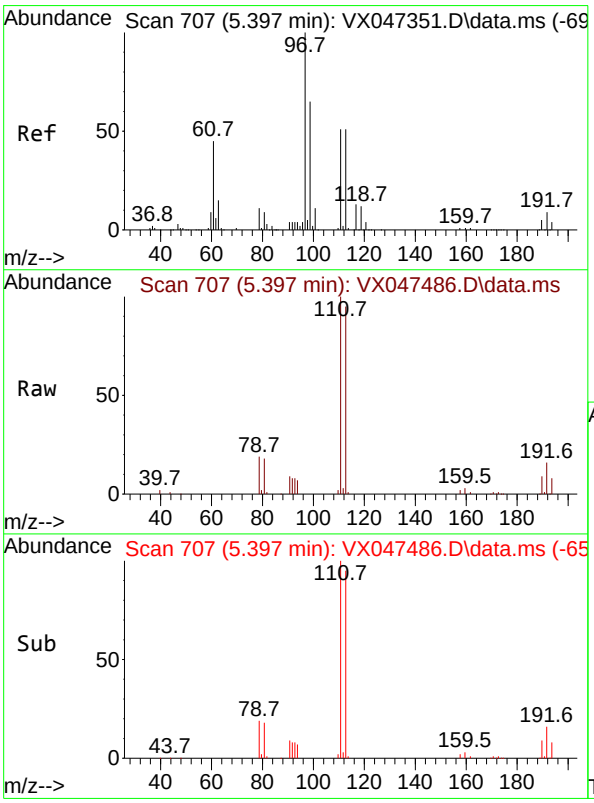
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion:114 Resp: 425323

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	42.4
88	16.6	0.0	33.0

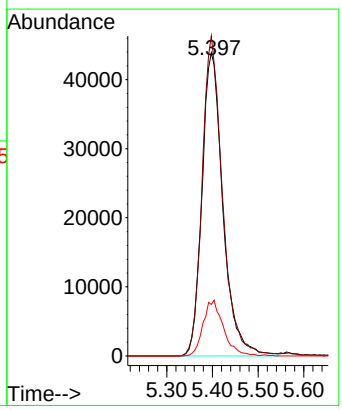


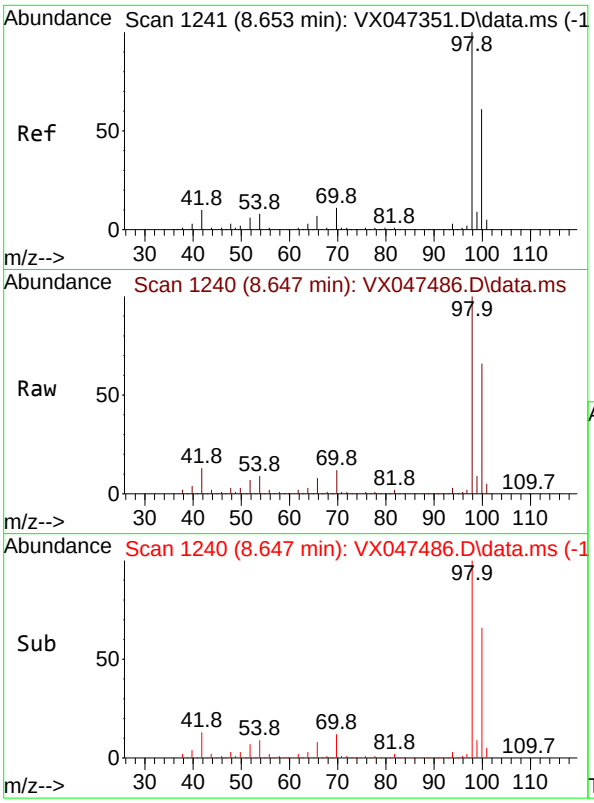


#35
Dibromofluoromethane
Concen: 50.706 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion:113 Resp: 139968

Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.4	122.2
192	17.9	14.1	21.1



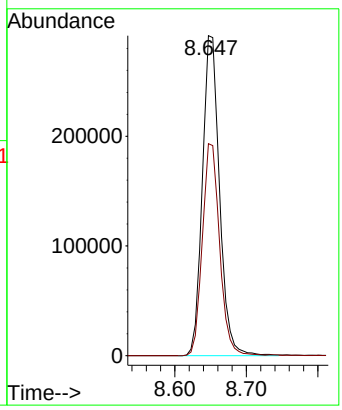


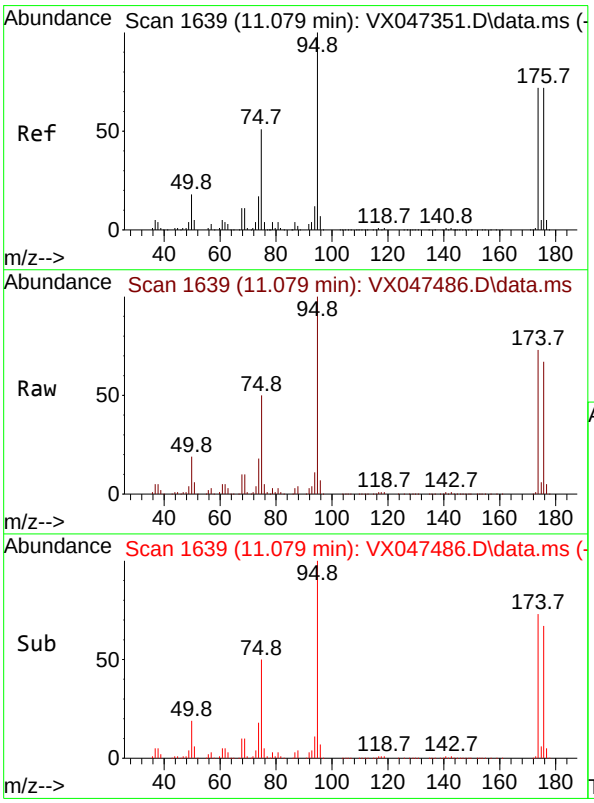
#50
Toluene-d8
Concen: 49.293 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion: 98 Resp: 486341

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.9	80.9

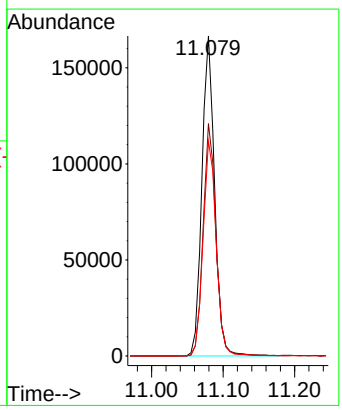


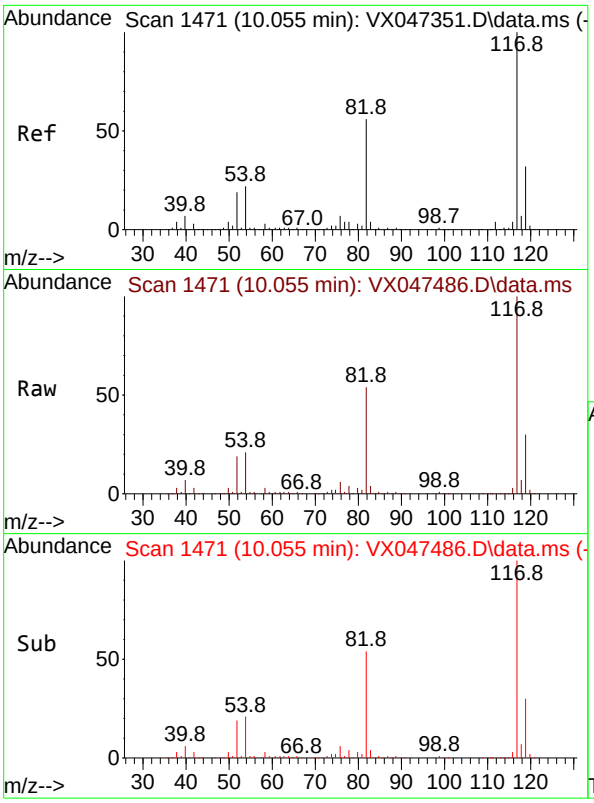


#62
4-Bromofluorobenzene
Concen: 56.500 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion: 95 Resp: 205709

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	148.0
176	69.6	0.0	145.4



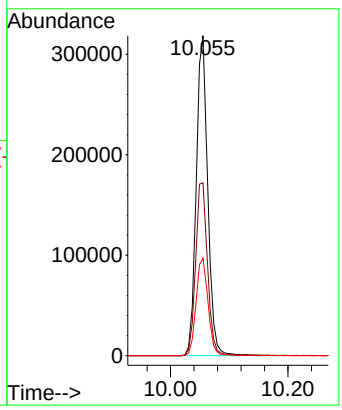


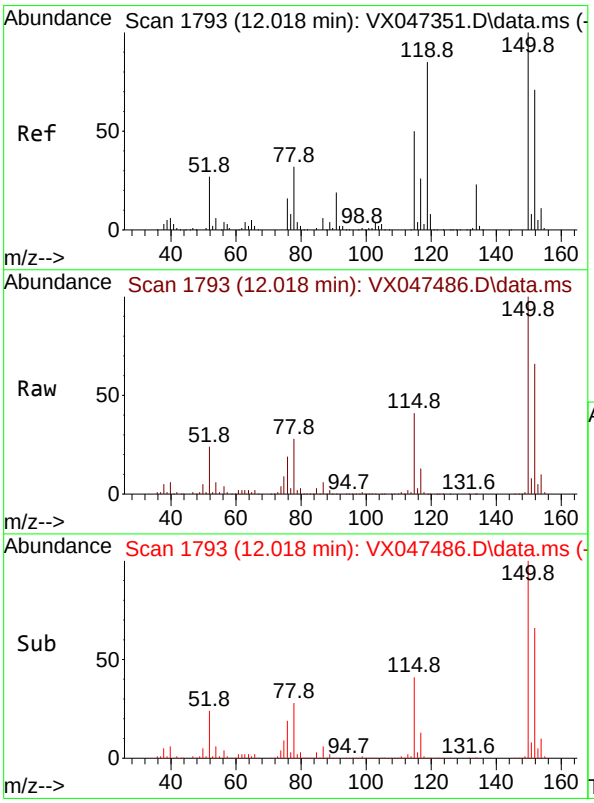
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Tgt Ion:117 Resp: 433100

Ion	Ratio	Lower	Upper
117	100		
82	54.0	45.0	67.4
119	30.5	25.8	38.8

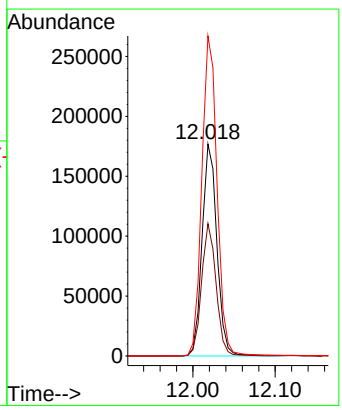




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047486.D
Acq: 22 Aug 2025 10:53

Tgt Ion:152 Resp: 221983

Ion	Ratio	Lower	Upper
152	100		
115	61.4	44.6	133.8
150	155.9	0.0	349.8



Sample Results: **VX047486.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047486.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	24	29	39	rBV	31999	85195	6.19%	1.109%
2	5.397	696	707	724	rBV2	145854	459687	33.40%	5.985%
3	5.562	724	734	758	rVB	208927	647937	47.08%	8.436%
4	5.964	790	800	823	rBV	161840	465070	33.79%	6.055%
5	6.769	922	932	956	rBV	390962	1013485	73.64%	13.195%
6	8.647	1234	1240	1262	rBV	783078	1313615	95.45%	17.103%
7	10.055	1465	1471	1487	rBV	949381	1339972	97.36%	17.446%
8	11.079	1633	1639	1654	rBV	778634	979394	71.16%	12.752%
9	12.018	1788	1793	1806	rBV	1091990	1376242	100.00%	17.918%

Sum of corrected areas: 7680597

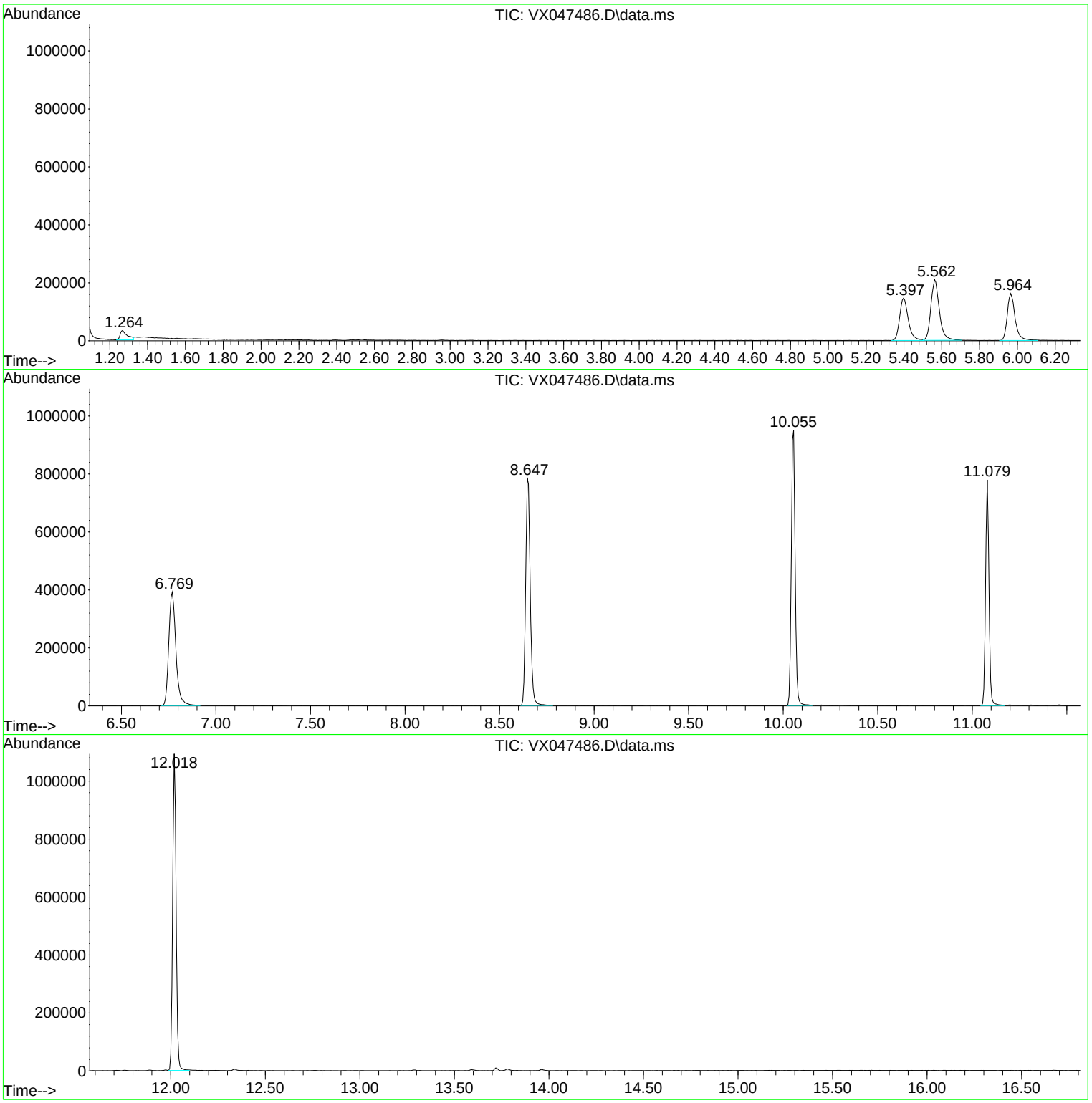
Sample Results: **VX047486.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX047486.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047486.D
Acq On : 22 Aug 2025 10:53
Operator : JC/MD
Sample : VX0822WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0825WBL01	SDG No.:	Q2903
Lab Sample ID:	VX0825WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047513.D	1	08/25/25 11:04	VX082525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	0.22	1.00	ug/L
74-87-3	Chloromethane	1.00	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	1.00	U	0.26	1.00	ug/L
74-83-9	Bromomethane	5.00	U	1.40	5.00	ug/L
75-00-3	Chloroethane	1.00	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	1.00	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	1.00	U	0.23	1.00	ug/L
67-64-1	Acetone	5.00	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.00	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.00	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.00	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	1.00	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.00	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	1.00	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	5.00	U	1.50	5.00	ug/L
78-93-3	2-Butanone	5.00	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	1.00	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1.00	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	1.00	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	1.00	U	0.16	1.00	ug/L
71-43-2	Benzene	1.00	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	1.00	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1.00	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	1.00	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	5.00	U	0.68	5.00	ug/L
108-88-3	Toluene	1.00	U	0.14	1.00	ug/L

Raw Data: **VX047513.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0825WBL01	SDG No.:	Q2903
Lab Sample ID:	VX0825WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047513.D	1	08/25/25 11:04	VX082525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.00	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.00	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.00	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	5.00	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	1.00	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	1.00	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	1.00	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	1.00	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	1.00	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	2.00	U	0.24	2.00	ug/L
95-47-6	o-Xylene	1.00	U	0.12	1.00	ug/L
100-42-5	Styrene	1.00	U	0.15	1.00	ug/L
75-25-2	Bromoform	1.00	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.00	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	1.00	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	1.00	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	1.00	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		74 - 125	109%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	48.6		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	289000	5.562			
540-36-3	1,4-Difluorobenzene	581000	6.769			
3114-55-4	Chlorobenzene-d5	569000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	285000	12.018			

Raw Data: **VX047513.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0825WBL01	SDG No.:	Q2903
Lab Sample ID:	VX0825WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047513.D	1	08/25/25 11:04	VX082525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX082525\
Data File : VX047513.D
Acq On : 25 Aug 2025 11:04
Operator : JC/MD
Sample : VX0825WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBL01

Quant Time: Aug 26 00:35:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	288899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	581002	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	569460	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	285001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	221014	54.663	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.320%			
35) Dibromofluoromethane	5.397	113	187003	49.593	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.180%			
50) Toluene-d8	8.647	98	655089	48.605	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 97.220%			
62) 4-Bromofluorobenzene	11.079	95	268429	53.972	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.940%			

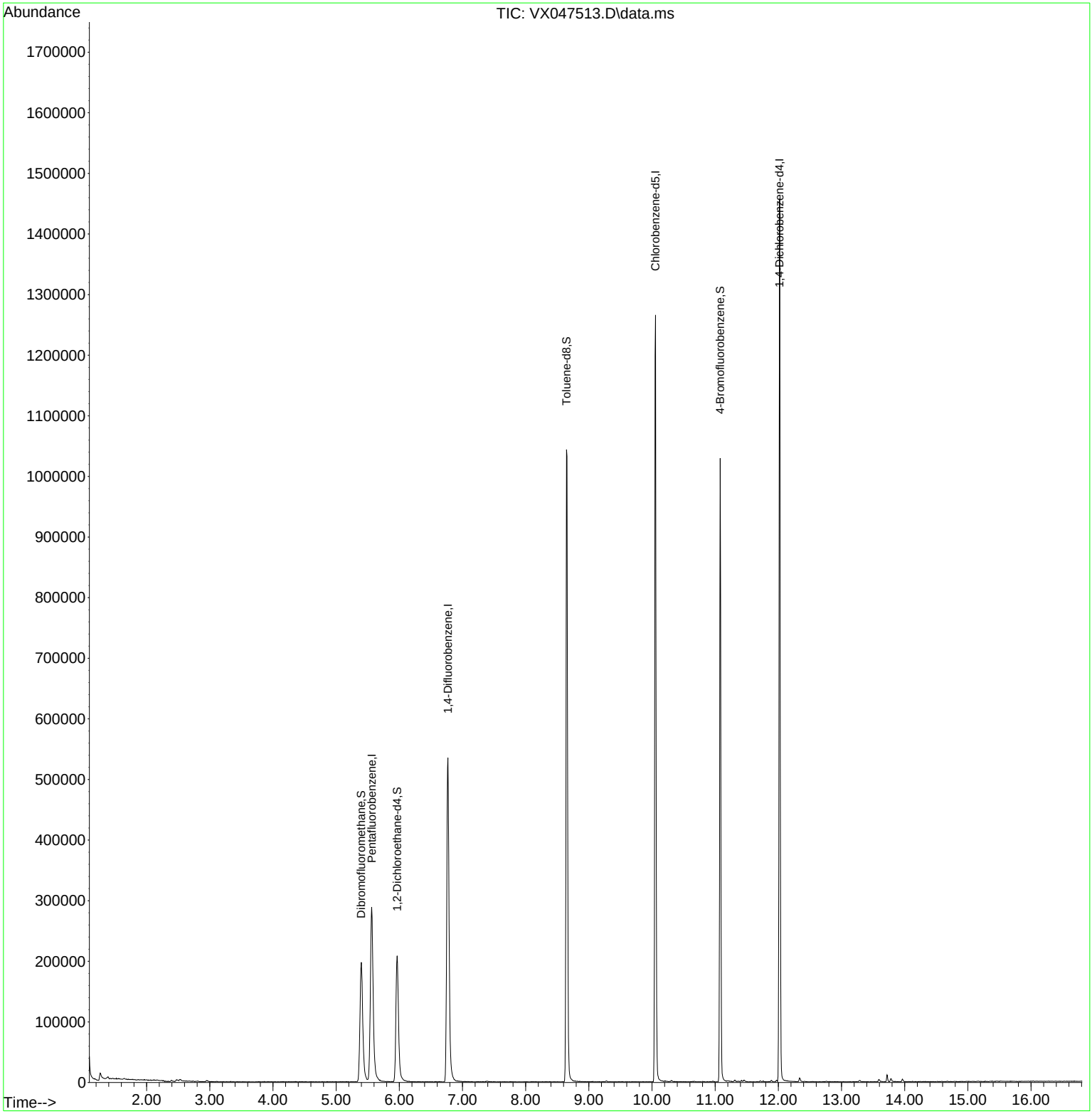
Target Compounds Qvalue

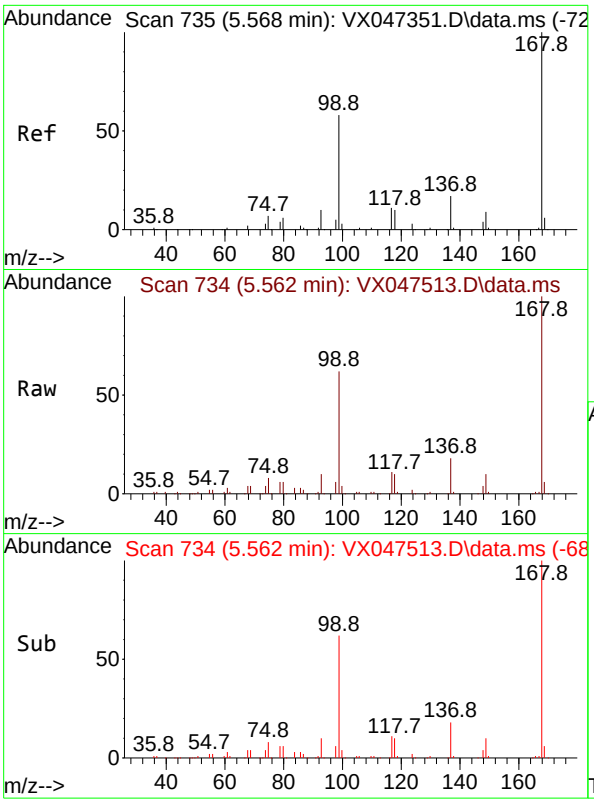
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047513.D
Acq On : 25 Aug 2025 11:04
Operator : JC/MD
Sample : VX0825WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBL01

Quant Time: Aug 26 00:35:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



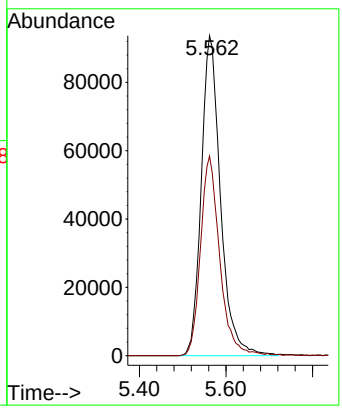


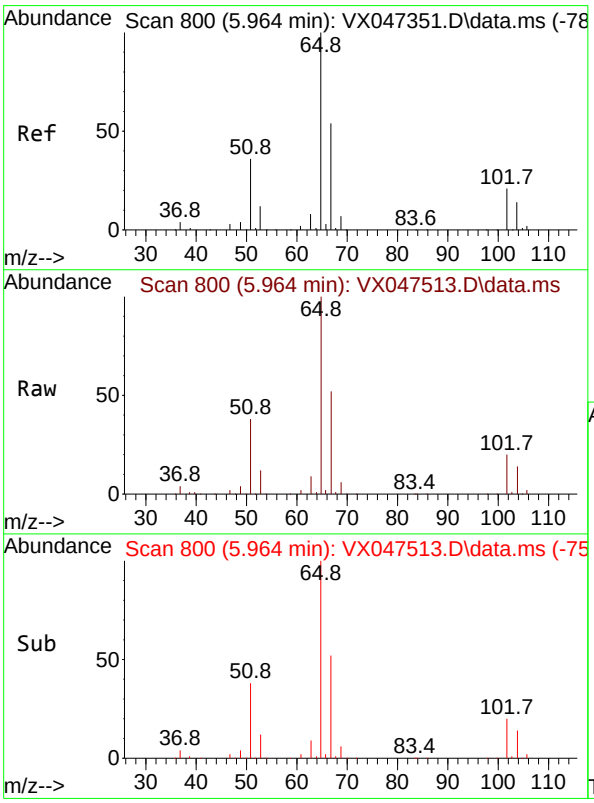
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047513.D
Acq: 25 Aug 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBL01

Tgt Ion:168 Resp: 288899

Ion	Ratio	Lower	Upper
168	100		
99	62.4	47.9	71.9

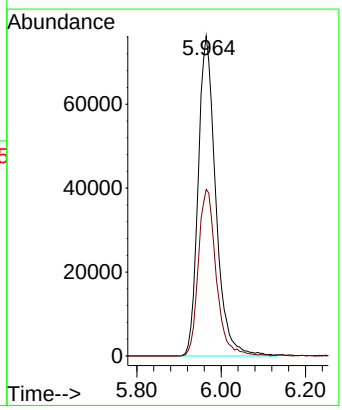


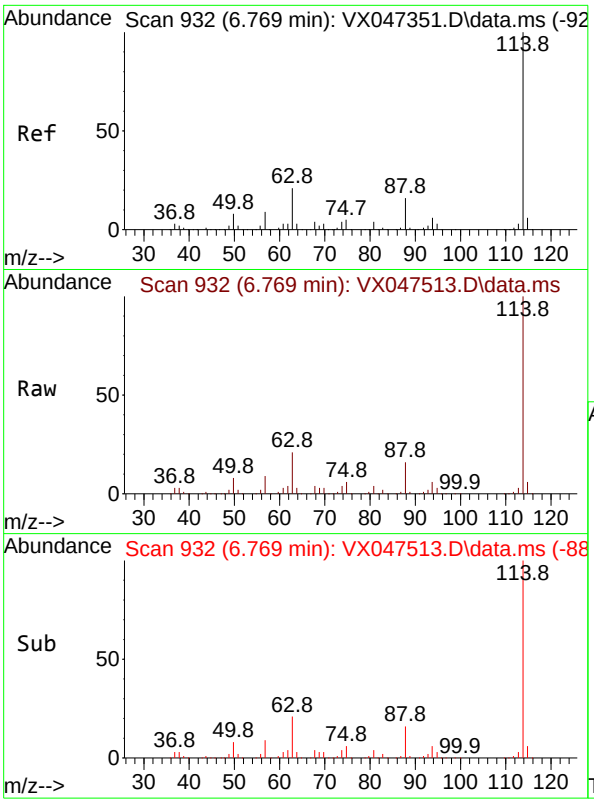


#33
1,2-Dichloroethane-d4
Concen: 54.663 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047513.D
Acq: 25 Aug 2025 11:04

Tgt Ion: 65 Resp: 221014

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	106.0



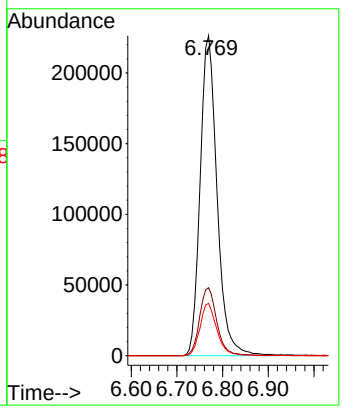


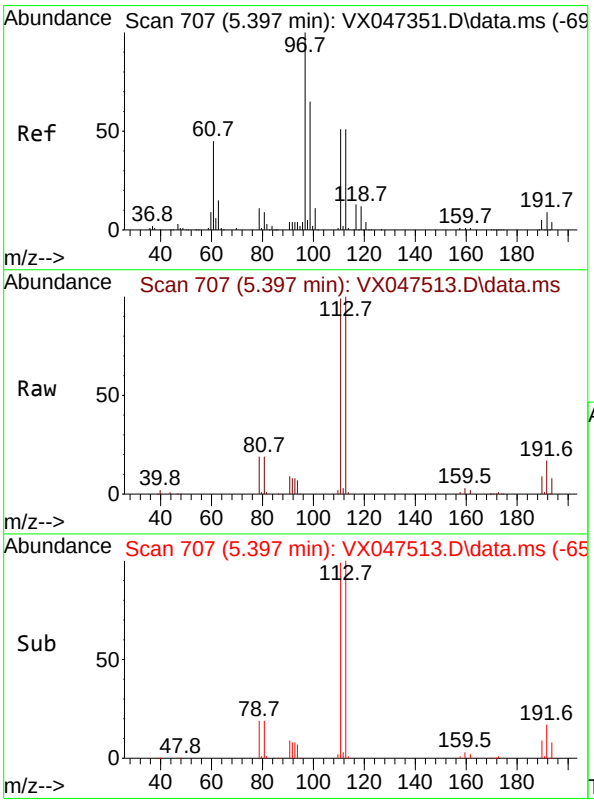
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047513.D
Acq: 25 Aug 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBL01

Tgt Ion:114 Resp: 581002

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	16.4	0.0	33.0

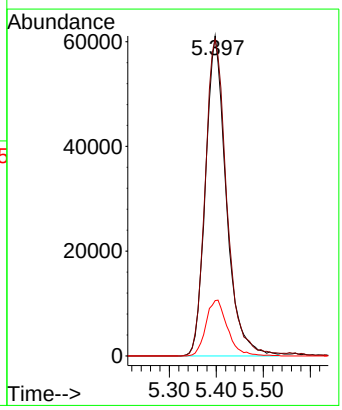


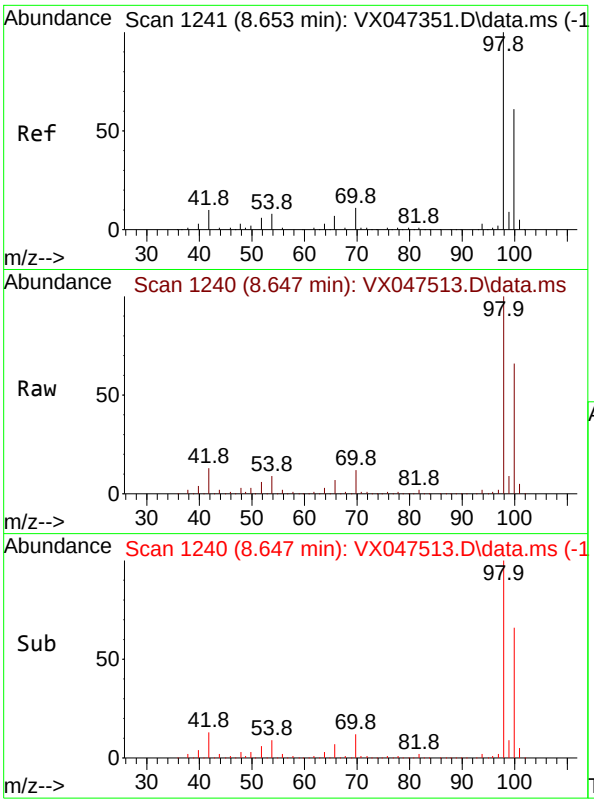


#35
Dibromofluoromethane
Concen: 49.593 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047513.D
Acq: 25 Aug 2025 11:04

Tgt Ion:113 Resp: 187003

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.4	122.2
192	18.2	14.1	21.1



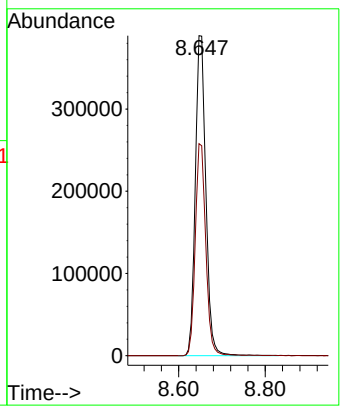


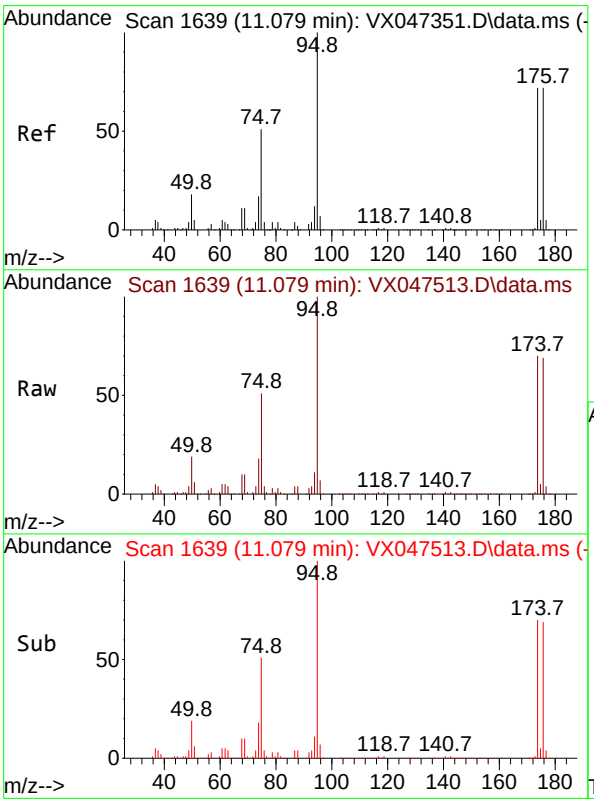
#50
Toluene-d8
Concen: 48.605 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047513.D
Acq: 25 Aug 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBL01

Tgt Ion: 98 Resp: 655089

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.9	80.9

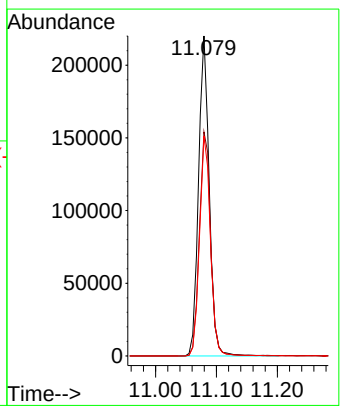


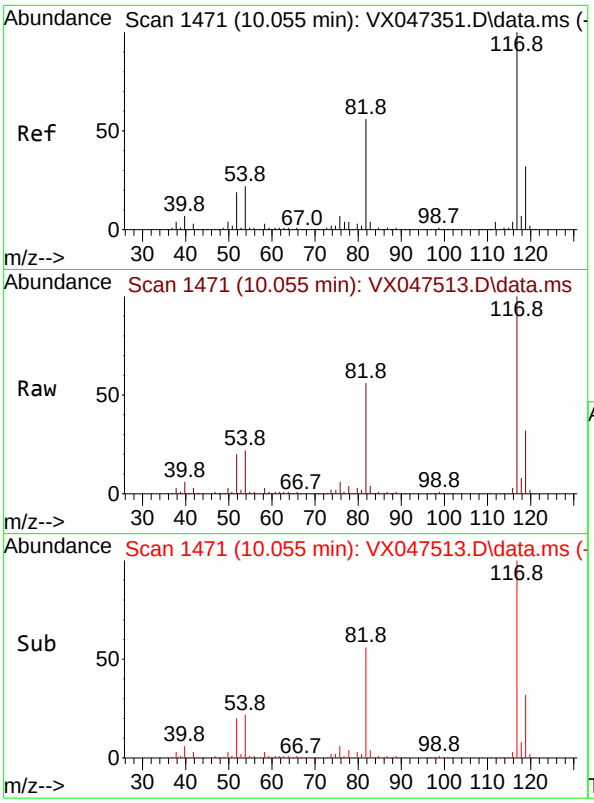


#62
4-Bromofluorobenzene
Concen: 53.972 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047513.D
Acq: 25 Aug 2025 11:04

Tgt Ion: 95 Resp: 268429

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	148.0
176	70.3	0.0	145.4



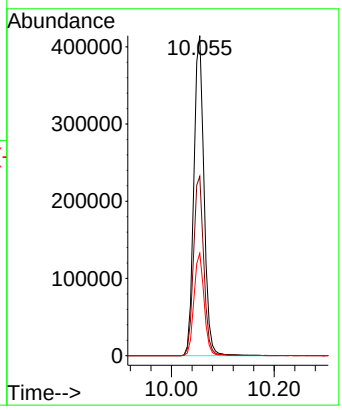


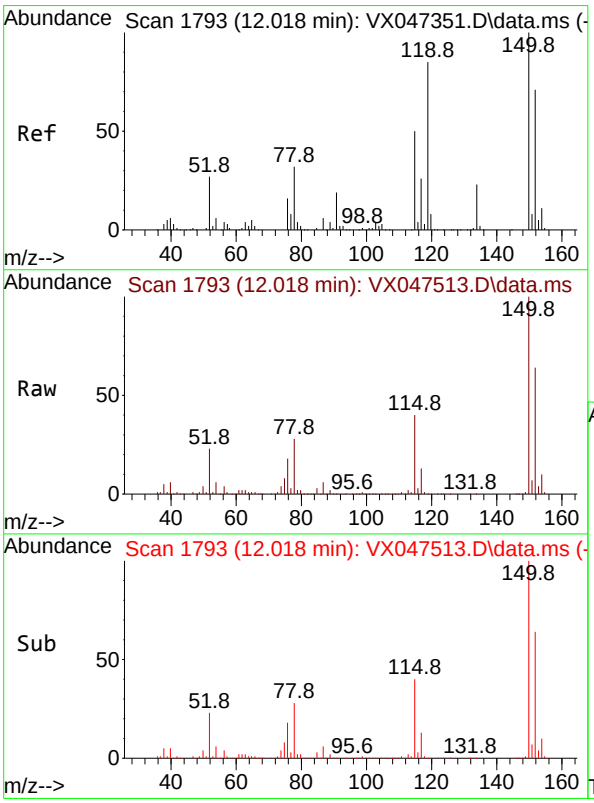
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047513.D
Acq: 25 Aug 2025 11:04

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBL01

Tgt Ion:117 Resp: 569460

Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.0	67.4
119	32.0	25.8	38.8

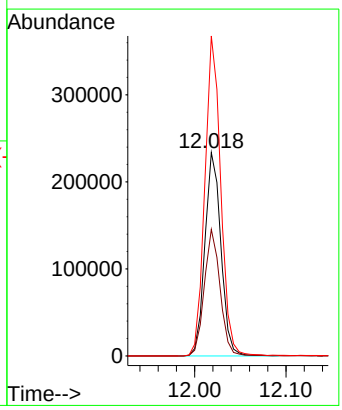




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047513.D
Acq: 25 Aug 2025 11:04

Tgt Ion:152 Resp: 285001

Ion	Ratio	Lower	Upper
152	100		
115	61.3	44.6	133.8
150	156.0	0.0	349.8



Sample Results: **VX047513.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047513.D
Acq On : 25 Aug 2025 11:04
Operator : JC/MD
Sample : VX0825WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047513.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	25	29	35	rBV3	12114	25778	1.45%	0.256%
2	5.397	695	707	723	rBV3	197238	613834	34.61%	6.085%
3	5.562	724	734	755	rVB	286713	879083	49.56%	8.715%
4	5.964	790	800	819	rBV	207761	603634	34.03%	5.984%
5	6.769	922	932	953	rBV	534851	1381962	77.91%	13.700%
6	8.647	1234	1240	1258	rBV	1042901	1761638	99.31%	17.464%
7	10.055	1465	1471	1489	rBV	1264966	1773813	100.00%	17.584%
8	11.079	1634	1639	1655	rBV	1028672	1281465	72.24%	12.703%
9	12.018	1788	1793	1806	rBV	1456348	1766304	99.58%	17.510%

Sum of corrected areas: 10087511

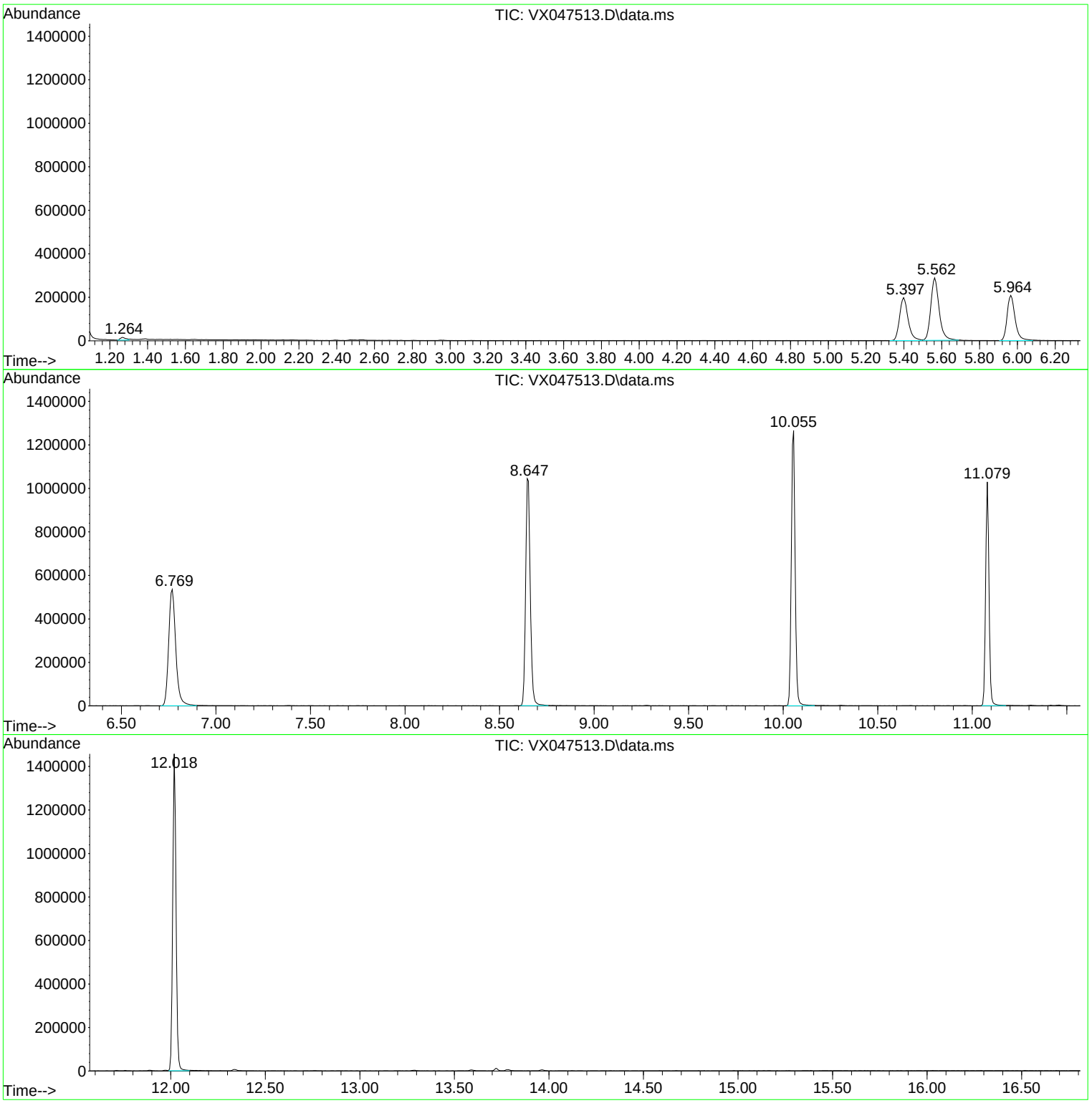
Sample Results: **VX047513.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047513.D
Acq On : 25 Aug 2025 11:04
Operator : JC/MD
Sample : VX0825WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Sample Results: **VX047513.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047513.D
Acq On : 25 Aug 2025 11:04
Operator : JC/MD
Sample : VX0825WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047513.D
Acq On : 25 Aug 2025 11:04
Operator : JC/MD
Sample : VX0825WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0821WBS02	SDG No.:	Q2903
Lab Sample ID:	VX0821WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047467.D	1	08/21/25 14:07	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.6		0.22	1.00	ug/L
74-87-3	Chloromethane	19.6		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.3		0.26	1.00	ug/L
74-83-9	Bromomethane	20.0		1.40	5.00	ug/L
75-00-3	Chloroethane	20.6		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.5		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.0		0.23	1.00	ug/L
67-64-1	Acetone	100		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.9		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	22.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	24.1		0.27	1.00	ug/L
75-09-2	Methylene Chloride	22.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.7		1.50	5.00	ug/L
78-93-3	2-Butanone	120		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	24.6		0.22	1.00	ug/L
67-66-3	Chloroform	22.6		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.7		0.16	1.00	ug/L
71-43-2	Benzene	20.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.1		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.1		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	21.0		0.14	1.00	ug/L

Raw Data: **VX047467.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0821WBS02	SDG No.:	Q2903
Lab Sample ID:	VX0821WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047467.D	1	08/21/25 14:07	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.1		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.9		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	21.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.0		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.2		0.24	2.00	ug/L
95-47-6	o-Xylene	20.5		0.12	1.00	ug/L
100-42-5	Styrene	20.8		0.15	1.00	ug/L
75-25-2	Bromoform	20.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.0		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.8		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.5		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.2		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.2		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.3		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.3		74 - 125	115%	SPK: 50
1868-53-7	Dibromofluoromethane	51.6		75 - 124	103%	SPK: 50
2037-26-5	Toluene-d8	50.2		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		77 - 121	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	5.562			
540-36-3	1,4-Difluorobenzene	396000	6.769			
3114-55-4	Chlorobenzene-d5	371000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	193000	12.018			

Raw Data: **VX047467.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0821WBS02	SDG No.:	Q2903
Lab Sample ID:	VX0821WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047467.D	1	08/21/25 14:07	VX082125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	219757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	395822	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	370697	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	193487	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	176124	57.266	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.540%			
35) Dibromofluoromethane	5.397	113	132673	51.645	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.300%			
50) Toluene-d8	8.653	98	460935	50.200	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 100.400%			
62) 4-Bromofluorobenzene	11.079	95	188500	55.632	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	52136	18.611	ug/l	96
3) Chloromethane	1.313	50	49473	19.631	ug/l	99
4) Vinyl Chloride	1.392	62	61123	19.324	ug/l	100
5) Bromomethane	1.630	94	25522	19.976	ug/l	97
6) Chloroethane	1.709	64	39889	20.611	ug/l	100
7) Trichlorofluoromethane	1.904	101	91456	19.547	ug/l	99
8) Diethyl Ether	2.148	74	36285	22.025	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	53527	19.722	ug/l	98
10) Methyl Iodide	2.471	142	67680	14.551	ug/l	99
11) Tert butyl alcohol	2.959	59	30845	115.284	ug/l	99
12) 1,1-Dichloroethene	2.337	96	55363	20.009	ug/l	98
13) Acrolein	2.251	56	59011	104.481	ug/l	98
14) Allyl chloride	2.678	41	99967	20.801	ug/l	99
15) Acrylonitrile	3.081	53	143612	111.079	ug/l	99
16) Acetone	2.392	43	118906	102.856	ug/l	96
17) Carbon Disulfide	2.526	76	149558	17.912	ug/l	100
18) Methyl Acetate	2.715	43	72122	24.075	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	186862	22.199	ug/l	99
20) Methylene Chloride	2.806	84	67266	21.974	ug/l	94
21) trans-1,2-Dichloroethene	3.105	96	60380	20.560	ug/l	98
22) Diisopropyl ether	3.769	45	221856	23.355	ug/l	85
23) Vinyl Acetate	3.733	43	864017	110.968	ug/l	100
24) 1,1-Dichloroethane	3.623	63	117074	21.804	ug/l	98
25) 2-Butanone	4.574	43	178447	117.861	ug/l	99
26) 2,2-Dichloropropane	4.495	77	80184	19.786	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	74958	21.915	ug/l	98
28) Bromochloromethane	4.916	49	55023	24.626	ug/l	100
29) Tetrahydrofuran	5.031	42	108635	111.012	ug/l	98
30) Chloroform	5.105	83	123736	22.580	ug/l	94
31) Cyclohexane	5.483	56	97308	19.660	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	97000	20.565	ug/l	98
36) 1,1-Dichloropropene	5.708	75	80408	19.828	ug/l	99
37) Ethyl Acetate	4.727	43	77407	18.387	ug/l	98
38) Carbon Tetrachloride	5.696	117	86344	19.484	ug/l	95
39) Methylcyclohexane	7.385	83	89674	17.728	ug/l	90
40) Benzene	6.050	78	250369	20.627	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	40042	22.555	ug/l		92
42) 1,2-Dichloroethane	6.098	62	92470	21.507	ug/l		100
43) Isopropyl Acetate	6.348	43	125855	20.809	ug/l		100
44) Trichloroethene	7.135	130	62561	20.129	ug/l		99
45) 1,2-Dichloropropane	7.433	63	64285	21.141	ug/l		100
46) Dibromomethane	7.586	93	45974	20.825	ug/l		99
47) Bromodichloromethane	7.824	83	95100	20.779	ug/l		100
48) Methyl methacrylate	7.696	41	66527	21.192	ug/l		97
49) 1,4-Dioxane	7.690	88	11979	392.523	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	381590	109.641	ug/l		97
52) Toluene	8.720	92	157838	21.044	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	83536	20.914	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	95182	21.053	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	62404	21.913	ug/l		99
56) Ethyl methacrylate	9.116	69	89883	21.408	ug/l		98
57) 1,3-Dichloropropane	9.311	76	106790	22.007	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	184544	97.327	ug/l		99
59) 2-Hexanone	9.433	43	254945	105.899	ug/l		100
60) Dibromochloromethane	9.518	129	71992	21.272	ug/l		99
61) 1,2-Dibromoethane	9.610	107	61680	21.004	ug/l		99
64) Tetrachloroethene	9.275	164	48854	18.220	ug/l		95
65) Chlorobenzene	10.079	112	175397	19.911	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.165	131	60389	20.279	ug/l		98
67) Ethyl Benzene	10.195	91	298088	19.660	ug/l		98
68) m/p-Xylenes	10.299	106	227285	40.202	ug/l		99
69) o-Xylene	10.640	106	111463	20.487	ug/l		98
70) Styrene	10.652	104	191132	20.792	ug/l		100
71) Bromoform	10.799	173	45830	20.486	ug/l	#	97
73) Isopropylbenzene	10.963	105	285672	18.867	ug/l		100
74) N-amyl acetate	10.841	43	109541	19.051	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	88882	19.993	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	68907m	19.417	ug/l		
77) Bromobenzene	11.195	156	71647	19.378	ug/l		99
78) n-propylbenzene	11.305	91	337183	18.646	ug/l		99
79) 2-Chlorotoluene	11.366	91	209103	19.128	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	235770	18.925	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	11188	19.413	ug/l		89
82) 4-Chlorotoluene	11.451	91	244430	18.969	ug/l		100
83) tert-Butylbenzene	11.713	119	235583	18.954	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	240110	19.273	ug/l		99
85) sec-Butylbenzene	11.890	105	288712	18.741	ug/l		100
86) p-Isopropyltoluene	12.006	119	244146	18.728	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	132909	18.817	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	134397	18.500	ug/l		98
89) n-Butylbenzene	12.329	91	222499	18.350	ug/l		99
90) Hexachloroethane	12.536	117	41201	18.016	ug/l		95
91) 1,2-Dichlorobenzene	12.335	146	128956	19.235	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16504	19.197	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	81841	18.209	ug/l		99
94) Hexachlorobutadiene	13.725	225	27303	17.066	ug/l		97
95) Naphthalene	13.774	128	261329	20.346	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	77394	18.268	ug/l		100

Sample Results: **VX047467.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

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

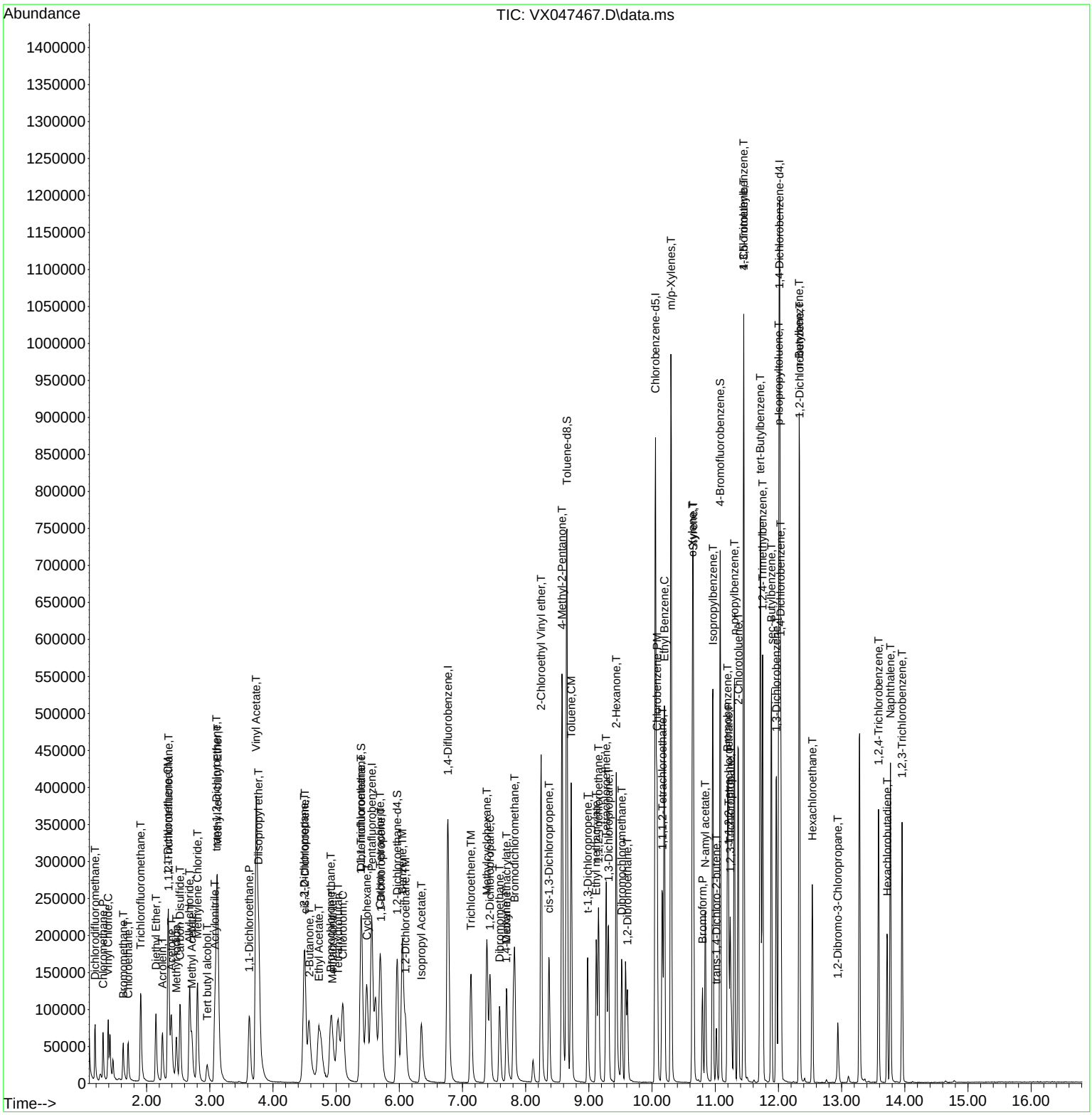
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082125\
Data File : VX047467.D
Acq On : 21 Aug 2025 14:07
Operator : JC/MD
Sample : VX0821WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Quant Time: Aug 22 03:46:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0821WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/22/2025



Raw Data: **VX047487.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0822WBS01	SDG No.:	Q2903
Lab Sample ID:	VX0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047487.D	1	08/22/25 11:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	17.3		0.22	1.00	ug/L
74-87-3	Chloromethane	16.7		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	17.6		0.26	1.00	ug/L
74-83-9	Bromomethane	17.4		1.40	5.00	ug/L
75-00-3	Chloroethane	18.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.4		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.4		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.5		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.1		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.1		0.19	1.00	ug/L
74-97-5	Bromochloromethane	22.2		0.22	1.00	ug/L
67-66-3	Chloroform	20.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.6		0.16	1.00	ug/L
71-43-2	Benzene	19.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.6		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.1		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.0		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	19.3		0.14	1.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0822WBS01	SDG No.:	Q2903
Lab Sample ID:	VX0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047487.D	1	08/22/25 11:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	98.3		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.6		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	37.2		0.24	2.00	ug/L
95-47-6	o-Xylene	18.5		0.12	1.00	ug/L
100-42-5	Styrene	19.2		0.15	1.00	ug/L
75-25-2	Bromoform	19.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.8		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.2		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.9		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.4		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.6		74 - 125	105%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	46.7		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		77 - 121	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	232000	5.556			
540-36-3	1,4-Difluorobenzene	415000	6.763			
3114-55-4	Chlorobenzene-d5	390000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	202000	12.018			

Raw Data: **VX047487.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0822WBS01	SDG No.:	Q2903
Lab Sample ID:	VX0822WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047487.D	1	08/22/25 11:22	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	232449	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	415073	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	390461	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	202080	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	171028	52.572	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.140%			
35) Dibromofluoromethane	5.391	113	130007	48.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.520%			
50) Toluene-d8	8.647	98	449419	46.675	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 93.360%			
62) 4-Bromofluorobenzene	11.079	95	176754	49.746	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	51174	17.270	ug/l	99
3) Chloromethane	1.313	50	44538	16.708	ug/l	98
4) Vinyl Chloride	1.392	62	58849	17.589	ug/l	93
5) Bromomethane	1.630	94	23511	17.397	ug/l	94
6) Chloroethane	1.703	64	38529	18.821	ug/l	99
7) Trichlorofluoromethane	1.904	101	91060	18.400	ug/l	97
8) Diethyl Ether	2.148	74	36013	20.666	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	53596	18.669	ug/l	99
10) Methyl Iodide	2.471	142	66149	13.446	ug/l	97
11) Tert butyl alcohol	2.953	59	32571	115.088	ug/l	99
12) 1,1-Dichloroethene	2.337	96	54939	18.772	ug/l	96
13) Acrolein	2.246	56	69385	116.141	ug/l	100
14) Allyl chloride	2.678	41	99953	19.663	ug/l	98
15) Acrylonitrile	3.081	53	144182	105.431	ug/l	99
16) Acetone	2.392	43	128916	105.426	ug/l	98
17) Carbon Disulfide	2.526	76	155587	17.617	ug/l	99
18) Methyl Acetate	2.709	43	70950	22.390	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	186480	20.944	ug/l	97
20) Methylene Chloride	2.800	84	66440	20.519	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	58539	18.845	ug/l	97
22) Diisopropyl ether	3.770	45	215371	21.434	ug/l	99
23) Vinyl Acetate	3.733	43	859031	104.303	ug/l	100
24) 1,1-Dichloroethane	3.623	63	113640	20.009	ug/l	97
25) 2-Butanone	4.562	43	176691	110.329	ug/l	99
26) 2,2-Dichloropropane	4.483	77	85341	19.909	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	72888	20.146	ug/l	98
28) Bromochloromethane	4.904	49	52453	22.194	ug/l	98
29) Tetrahydrofuran	5.026	42	104993	101.432	ug/l	98
30) Chloroform	5.099	83	121232	20.915	ug/l	98
31) Cyclohexane	5.483	56	94533	18.056	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	96493	19.341	ug/l	98
36) 1,1-Dichloropropene	5.696	75	76562	18.004	ug/l	99
37) Ethyl Acetate	4.721	43	72556	16.435	ug/l	97
38) Carbon Tetrachloride	5.684	117	83963	18.068	ug/l	98
39) Methylcyclohexane	7.385	83	87969	16.584	ug/l	99
40) Benzene	6.044	78	244459	19.206	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	36243	19.468	ug/l		97
42) 1,2-Dichloroethane	6.086	62	89482	19.847	ug/l		99
43) Isopropyl Acetate	6.348	43	126571	19.957	ug/l		99
44) Trichloroethene	7.129	130	60557	18.581	ug/l		100
45) 1,2-Dichloropropane	7.434	63	64005	20.072	ug/l		95
46) Dibromomethane	7.580	93	45646	19.717	ug/l		97
47) Bromodichloromethane	7.824	83	96072	20.018	ug/l		98
48) Methyl methacrylate	7.696	41	64383	19.558	ug/l		99
49) 1,4-Dioxane	7.690	88	12964	405.097	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	366900	100.531	ug/l		97
52) Toluene	8.720	92	151845	19.306	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	85073	20.311	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	96096	20.269	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	61171	20.484	ug/l		98
56) Ethyl methacrylate	9.116	69	88107	20.012	ug/l		99
57) 1,3-Dichloropropane	9.305	76	104397	20.516	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	176711	89.599	ug/l		98
59) 2-Hexanone	9.433	43	248238	98.330	ug/l		99
60) Dibromochloromethane	9.519	129	72418	20.406	ug/l		98
61) 1,2-Dibromoethane	9.610	107	60377	19.607	ug/l		99
64) Tetrachloroethene	9.275	164	50131	17.750	ug/l		98
65) Chlorobenzene	10.079	112	174653	18.823	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.159	131	59666	19.022	ug/l		98
67) Ethyl Benzene	10.189	91	289354	18.118	ug/l		100
68) m/p-Xylenes	10.299	106	221576	37.209	ug/l		100
69) o-Xylene	10.640	106	106294	18.548	ug/l		100
70) Styrene	10.653	104	186142	19.224	ug/l		99
71) Bromoform	10.799	173	44798	19.011	ug/l	#	99
73) Isopropylbenzene	10.957	105	273545	17.298	ug/l		99
74) N-amyl acetate	10.842	43	104769	17.447	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	87283	18.799	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	67433m	18.194	ug/l		
77) Bromobenzene	11.195	156	70615	18.287	ug/l		99
78) n-propylbenzene	11.299	91	330035	17.475	ug/l		100
79) 2-Chlorotoluene	11.360	91	202982	17.779	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	231822	17.817	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.012	75	11110	18.845	ug/l		97
82) 4-Chlorotoluene	11.451	91	240627	17.879	ug/l		100
83) tert-Butylbenzene	11.713	119	229135	17.652	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	237410	18.246	ug/l		99
85) sec-Butylbenzene	11.890	105	283969	17.649	ug/l		99
86) p-Isopropyltoluene	12.006	119	236780	17.391	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	131601	17.839	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	134836	17.771	ug/l		98
89) n-Butylbenzene	12.329	91	219671	17.347	ug/l		100
90) Hexachloroethane	12.536	117	38492	16.115	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	127172	18.162	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16058	17.884	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	81591	17.381	ug/l		98
94) Hexachlorobutadiene	13.719	225	27743	16.604	ug/l		97
95) Naphthalene	13.774	128	240627	17.938	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	77660	17.551	ug/l		98

Sample Results: **VX047487.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

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

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

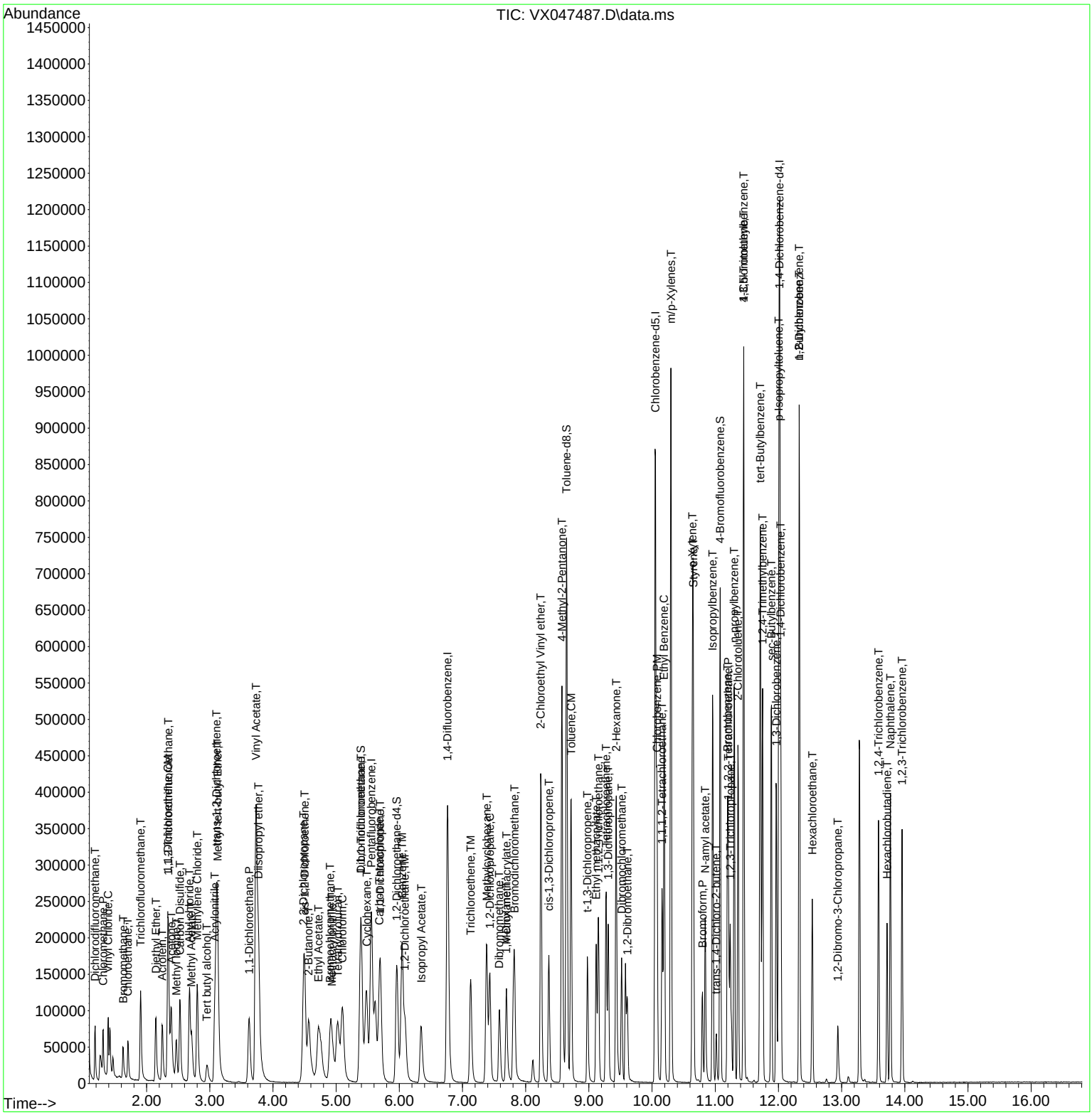
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047487.D
Acq On : 22 Aug 2025 11:22
Operator : JC/MD
Sample : VX0822WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 25 01:24:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0822WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0825WBS01	SDG No.:	Q2903
Lab Sample ID:	VX0825WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047514.D	1	08/25/25 12:03	VX082525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.9		0.22	1.00	ug/L
74-87-3	Chloromethane	16.0		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.8		0.26	1.00	ug/L
74-83-9	Bromomethane	17.3		1.40	5.00	ug/L
75-00-3	Chloroethane	16.9		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.2		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	16.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.8		0.27	1.00	ug/L
75-09-2	Methylene Chloride	18.5		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.4		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	27.5		0.22	1.00	ug/L
67-66-3	Chloroform	19.1		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.5		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.16	1.00	ug/L
71-43-2	Benzene	18.5		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.9		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.6		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.7		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	95.5		0.68	5.00	ug/L
108-88-3	Toluene	18.4		0.14	1.00	ug/L

Raw Data: **VX047514.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0825WBS01	SDG No.:	Q2903
Lab Sample ID:	VX0825WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047514.D	1	08/25/25 12:03	VX082525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.9		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	96.3		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	17.6		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	36.9		0.24	2.00	ug/L
95-47-6	o-Xylene	18.4		0.12	1.00	ug/L
100-42-5	Styrene	19.2		0.15	1.00	ug/L
75-25-2	Bromoform	19.0		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	17.9		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.0		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.2		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.5		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	17.0		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.0		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.1		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.9		74 - 125	106%	SPK: 50
1868-53-7	Dibromofluoromethane	52.7		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	50.9		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.1		77 - 121	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	228000	5.556			
540-36-3	1,4-Difluorobenzene	394000	6.763			
3114-55-4	Chlorobenzene-d5	358000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	182000	12.018			

Raw Data: **VX047514.D**

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

Report of Analysis

Client:	AECOM	Date Collected:	
Project:	National Grid Equity - Brooklyn NY	Date Received:	
Client Sample ID:	VX0825WBS01	SDG No.:	Q2903
Lab Sample ID:	VX0825WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047514.D	1	08/25/25 12:03	VX082525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX082525\
Data File : VX047514.D
Acq On : 25 Aug 2025 12:03
Operator : JC/MD
Sample : VX0825WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 00:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2025
Supervised By :Mahesh Dadoda 08/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	227627	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	393751	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	357988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	182091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	168592	52.921	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.840%			
35) Dibromofluoromethane	5.391	113	134691	52.707	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.420%			
50) Toluene-d8	8.647	98	464679	50.874	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.740%			
62) 4-Bromofluorobenzene	11.079	95	182348	54.099	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	49095	16.919	ug/l	97
3) Chloromethane	1.307	50	41718	15.982	ug/l	91
4) Vinyl Chloride	1.392	62	55011	16.790	ug/l	95
5) Bromomethane	1.630	94	22913	17.314	ug/l	99
6) Chloroethane	1.703	64	33866	16.894	ug/l	92
7) Trichlorofluoromethane	1.904	101	85878	17.720	ug/l	99
8) Diethyl Ether	2.142	74	30636	17.953	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	51292	18.245	ug/l	99
10) Methyl Iodide	2.471	142	60622	12.583	ug/l	96
11) Tert butyl alcohol	2.953	59	29133	105.121	ug/l	100
12) 1,1-Dichloroethene	2.337	96	50469	17.610	ug/l	96
13) Acrolein	2.246	56	51249	87.601	ug/l	97
14) Allyl chloride	2.678	41	89872	18.054	ug/l	98
15) Acrylonitrile	3.081	53	125236	93.517	ug/l	99
16) Acetone	2.392	43	129648	108.270	ug/l	97
17) Carbon Disulfide	2.526	76	138738	16.042	ug/l	100
18) Methyl Acetate	2.715	43	67695	21.816	ug/l	95
19) Methyl tert-butyl Ether	3.124	73	166841	19.136	ug/l	95
20) Methylene Chloride	2.800	84	58700	18.512	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	53574	17.612	ug/l	98
22) Diisopropyl ether	3.770	45	192687	19.583	ug/l	96
23) Vinyl Acetate	3.733	43	752162	93.262	ug/l	99
24) 1,1-Dichloroethane	3.623	63	103102	18.538	ug/l	98
25) 2-Butanone	4.568	43	161121	102.738	ug/l	99
26) 2,2-Dichloropropane	4.483	77	80502	19.178	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	65648	18.529	ug/l	100
28) Bromochloromethane	4.910	49	63733	27.538	ug/l	100
29) Tetrahydrofuran	5.026	42	95553	94.268	ug/l	98
30) Chloroform	5.105	83	108630	19.138	ug/l	95
31) Cyclohexane	5.477	56	89040	17.367	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	90282	18.479	ug/l	98
36) 1,1-Dichloropropene	5.702	75	70079	17.372	ug/l	97
37) Ethyl Acetate	4.721	43	70187	16.759	ug/l	97
38) Carbon Tetrachloride	5.684	117	78694	17.851	ug/l	95
39) Methylcyclohexane	7.379	83	85093	16.911	ug/l	97
40) Benzene	6.044	78	223335	18.496	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047514.D
Acq On : 25 Aug 2025 12:03
Operator : JC/MD
Sample : VX0825WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 00:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2025
Supervised By :Mahesh Dadoda 08/26/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	32930	18.646	ug/l		96
42) 1,2-Dichloroethane	6.092	62	80660	18.859	ug/l		100
43) Isopropyl Acetate	6.342	43	110480	18.363	ug/l		99
44) Trichloroethene	7.129	130	54279	17.556	ug/l		97
45) 1,2-Dichloropropane	7.434	63	56522	18.685	ug/l		98
46) Dibromomethane	7.580	93	41021	18.679	ug/l		98
47) Bromodichloromethane	7.824	83	85767	18.839	ug/l		99
48) Methyl methacrylate	7.696	41	55667	17.826	ug/l		99
49) 1,4-Dioxane	7.684	88	12622	415.768	ug/l		96
51) 4-Methyl-2-Pentanone	8.574	43	330514	95.465	ug/l		98
52) Toluene	8.720	92	137180	18.386	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	75271	18.944	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	85180	18.940	ug/l		99
55) 1,1,2-Trichloroethane	9.153	97	52503	18.534	ug/l		96
56) Ethyl methacrylate	9.116	69	77337	18.517	ug/l		97
57) 1,3-Dichloropropane	9.305	76	91170	18.887	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	180525	95.847	ug/l		99
59) 2-Hexanone	9.427	43	230570	96.277	ug/l		99
60) Dibromochloromethane	9.519	129	64637	19.199	ug/l		99
61) 1,2-Dibromoethane	9.610	107	54740	18.739	ug/l		97
64) Tetrachloroethene	9.275	164	45608	17.613	ug/l		99
65) Chlorobenzene	10.080	112	157124	18.470	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	53393	18.566	ug/l		99
67) Ethyl Benzene	10.189	91	265282	18.118	ug/l		99
68) m/p-Xylenes	10.299	106	201484	36.904	ug/l		98
69) o-Xylene	10.640	106	96490	18.365	ug/l		99
70) Styrene	10.653	104	170430	19.198	ug/l		99
71) Bromoform	10.799	173	40995	18.975	ug/l	#	99
73) Isopropylbenzene	10.957	105	254687	17.873	ug/l		99
74) N-amyl acetate	10.842	43	92637	17.120	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	78637	18.796	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	60095m	17.994	ug/l		
77) Bromobenzene	11.195	156	64601	18.566	ug/l		98
78) n-propylbenzene	11.299	91	311546	18.307	ug/l		99
79) 2-Chlorotoluene	11.360	91	187625	18.238	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	214667	18.310	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	10198	19.050	ug/l		97
82) 4-Chlorotoluene	11.451	91	217662	17.949	ug/l		100
83) tert-Butylbenzene	11.713	119	215426	18.417	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	218291	18.618	ug/l		99
85) sec-Butylbenzene	11.890	105	265714	18.328	ug/l		99
86) p-Isopropyltoluene	12.006	119	226329	18.448	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	119938	18.043	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	124174	18.162	ug/l		98
89) n-Butylbenzene	12.329	91	208841	18.302	ug/l		100
90) Hexachloroethane	12.536	117	37953	17.634	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	116672	18.491	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	13793	17.047	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	76059	17.982	ug/l		99
94) Hexachlorobutadiene	13.719	225	27523	18.280	ug/l		96
95) Naphthalene	13.774	128	217728	18.012	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	72027	18.065	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047514.D
Acq On : 25 Aug 2025 12:03
Operator : JC/MD
Sample : VX0825WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2025
Supervised By :Mahesh Dadoda 08/26/2025

Quant Time: Aug 26 00:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

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

Sample Results: **VX047514.D**

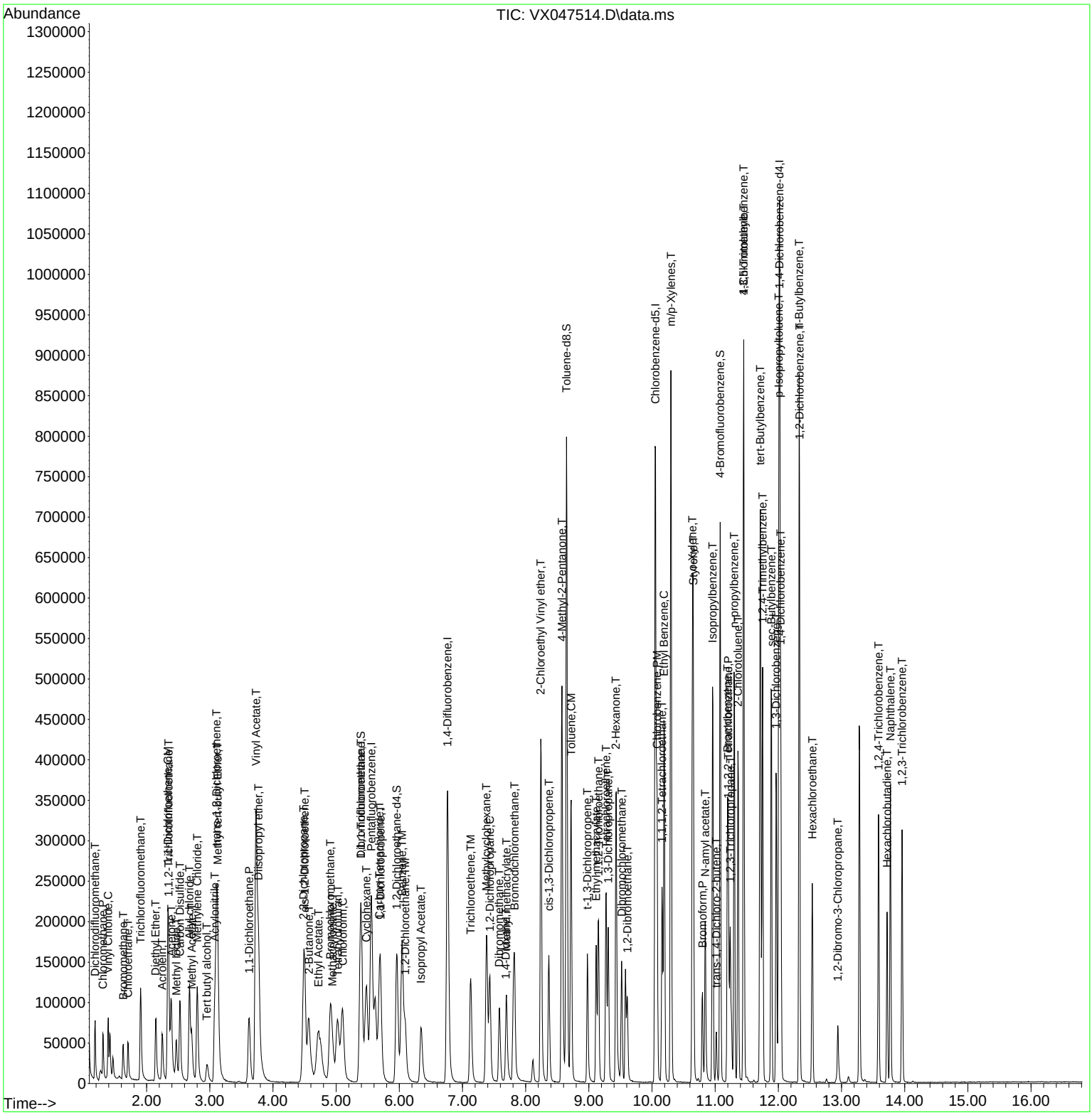
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082525\
Data File : VX047514.D
Acq On : 25 Aug 2025 12:03
Operator : JC/MD
Sample : VX0825WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 26 00:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0825WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/26/2025
Supervised By :Mahesh Dadoda 08/26/2025



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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6B-081925MS	SDG No.:	Q2903
Lab Sample ID:	Q2903-05MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047507.D	1	08/22/25 18:30	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	41.1		0.22	5.00	ug/L
74-87-3	Chloromethane	45.7		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	45.4		0.26	5.00	ug/L
74-83-9	Bromomethane	36.1		1.40	5.00	ug/L
75-00-3	Chloroethane	47.5		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	43.6		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	43.6		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	46.4		0.23	5.00	ug/L
67-64-1	Acetone	280		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	46.0		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	57.1		0.16	5.00	ug/L
79-20-9	Methyl Acetate	67.7		0.27	5.00	ug/L
75-09-2	Methylene Chloride	54.0		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	49.0		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	53.6		0.23	5.00	ug/L
110-82-7	Cyclohexane	41.1		1.50	5.00	ug/L
78-93-3	2-Butanone	320		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	41.3		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	53.7		0.19	5.00	ug/L
74-97-5	Bromochloromethane	63.1		0.22	5.00	ug/L
67-66-3	Chloroform	54.6		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	48.9		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	36.1		0.16	5.00	ug/L
71-43-2	Benzene	47.6		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	50.8		0.22	5.00	ug/L
79-01-6	Trichloroethene	43.8		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	49.1		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	49.9		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	280		0.68	25.0	ug/L
108-88-3	Toluene	46.8		0.14	5.00	ug/L

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6B-081925MS	SDG No.:	Q2903
Lab Sample ID:	Q2903-05MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047507.D	1	08/22/25 18:30	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	49.8		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	48.2		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	52.2		0.21	5.00	ug/L
591-78-6	2-Hexanone	270		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	50.4		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	50.8		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	38.5		0.23	5.00	ug/L
108-90-7	Chlorobenzene	43.6		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	42.5		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	86.4		0.24	10.0	ug/L
95-47-6	o-Xylene	43.8		0.12	5.00	ug/L
100-42-5	Styrene	46.5		0.15	5.00	ug/L
75-25-2	Bromoform	49.3		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	40.1		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	47.5		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	41.7		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	40.9		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	43.0		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	47.4		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	40.1		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	41.1		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	65.6	*	74 - 125	131%	SPK: 50
1868-53-7	Dibromofluoromethane	56.0		75 - 124	112%	SPK: 50
2037-26-5	Toluene-d8	51.4		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.8		77 - 121	114%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	5.568			
540-36-3	1,4-Difluorobenzene	332000	6.769			
3114-55-4	Chlorobenzene-d5	317000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	162000	12.018			

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6B-081925MS	SDG No.:	Q2903
Lab Sample ID:	Q2903-05MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047507.D	1	08/22/25 18:30	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX082225\
Data File : VX047507.D
Acq On : 22 Aug 2025 18:30
Operator : JC/MD
Sample : Q2903-05MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 25 01:32:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	173158	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	331997	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	317077	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	162431	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	158900	65.569	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 131.140%#			
35) Dibromofluoromethane	5.397	113	120730	56.031	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.060%			
50) Toluene-d8	8.647	98	395469	51.350	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.700%			
62) 4-Bromofluorobenzene	11.079	95	161423	56.799	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 113.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	90761	41.117	ug/l	99
3) Chloromethane	1.313	50	90736	45.694	ug/l	100
4) Vinyl Chloride	1.392	62	113270	45.446	ug/l #	88
5) Bromomethane	1.624	94	36337	36.094	ug/l	98
6) Chloroethane	1.703	64	72453	47.512	ug/l	96
7) Trichlorofluoromethane	1.904	101	160692	43.588	ug/l	100
8) Diethyl Ether	2.148	74	73515	56.632	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	93249	43.604	ug/l	99
10) Methyl Iodide	2.471	142	112632	30.733	ug/l	98
11) Tert butyl alcohol	2.965	59	69795	331.061	ug/l	99
12) 1,1-Dichloroethene	2.337	96	101175	46.406	ug/l	99
13) Acrolein	2.252	56	147630	331.726	ug/l	99
14) Allyl chloride	2.685	41	191072	50.458	ug/l	99
15) Acrylonitrile	3.081	53	312537	306.791	ug/l	98
16) Acetone	2.392	43	255946	280.978	ug/l	99
17) Carbon Disulfide	2.532	76	302629	45.999	ug/l	99
18) Methyl Acetate	2.715	43	159732	67.668	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	378672	57.093	ug/l	100
20) Methylene Chloride	2.806	84	130220	53.986	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	113359	48.988	ug/l	100
22) Diisopropyl ether	3.770	45	434197	58.008	ug/l	86
23) Vinyl Acetate	3.733	43	1780737	290.252	ug/l	100
24) 1,1-Dichloroethane	3.623	63	226833	53.614	ug/l	97
25) 2-Butanone	4.568	43	382669	320.763	ug/l	99
26) 2,2-Dichloropropane	4.489	77	140245	43.919	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	144848	53.744	ug/l	98
28) Bromochloromethane	4.916	49	111005	63.052	ug/l	98
29) Tetrahydrofuran	5.026	42	239740	310.914	ug/l	99
30) Chloroform	5.105	83	235720	54.592	ug/l	98
31) Cyclohexane	5.483	56	160442	41.138	ug/l	96
32) 1,1,1-Trichloroethane	5.397	97	181622	48.869	ug/l	99
36) 1,1-Dichloropropene	5.708	75	141812	41.693	ug/l	99
37) Ethyl Acetate	4.721	43	164547	46.599	ug/l	98
38) Carbon Tetrachloride	5.690	117	153501	41.298	ug/l	96
39) Methylcyclohexane	7.385	83	152971	36.055	ug/l	96
40) Benzene	6.050	78	484809	47.620	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047507.D
Acq On : 22 Aug 2025 18:30
Operator : JC/MD
Sample : Q2903-05MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 25 01:32:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	82265	55.247	ug/l		98
42) 1,2-Dichloroethane	6.092	62	183152	50.788	ug/l		99
43) Isopropyl Acetate	6.349	43	268525	52.935	ug/l		99
44) Trichloroethene	7.129	130	114138	43.784	ug/l		100
45) 1,2-Dichloropropane	7.434	63	125167	49.075	ug/l		99
46) Dibromomethane	7.586	93	92378	49.889	ug/l		98
47) Bromodichloromethane	7.824	83	191536	49.896	ug/l		99
48) Methyl methacrylate	7.696	41	139601	53.018	ug/l		99
49) 1,4-Dioxane	7.690	88	26599	1039.145	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	818771	280.481	ug/l		98
52) Toluene	8.720	92	294400	46.797	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	166844	49.801	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	182725	48.186	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	124718	52.215	ug/l		96
56) Ethyl methacrylate	9.116	69	186628	52.996	ug/l		98
57) 1,3-Dichloropropane	9.305	76	208808	51.303	ug/l		100
59) 2-Hexanone	9.433	43	553034	273.881	ug/l		99
60) Dibromochloromethane	9.519	129	143176	50.439	ug/l		99
61) 1,2-Dibromoethane	9.610	107	125162	50.815	ug/l		98
64) Tetrachloroethene	9.275	164	88215	38.464	ug/l		99
65) Chlorobenzene	10.080	112	328702	43.623	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	116073	45.570	ug/l		99
67) Ethyl Benzene	10.195	91	551500	42.525	ug/l		99
68) m/p-Xylenes	10.299	106	417760	86.390	ug/l		99
69) o-Xylene	10.640	106	204021	43.841	ug/l		100
70) Styrene	10.653	104	365681	46.506	ug/l		99
71) Bromoform	10.799	173	94293	49.276	ug/l	#	98
73) Isopropylbenzene	10.964	105	510097	40.130	ug/l		100
74) N-amyl acetate	10.842	43	229484	47.543	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	177255	47.496	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	142477m	47.824	ug/l		
77) Bromobenzene	11.195	156	133807	43.109	ug/l		99
78) n-propylbenzene	11.299	91	600632	39.565	ug/l		100
79) 2-Chlorotoluene	11.360	91	378040	41.195	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	431237	41.233	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	22855	35.967	ug/l		96
82) 4-Chlorotoluene	11.451	91	442783	40.931	ug/l		100
83) tert-Butylbenzene	11.713	119	426051	40.833	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	438214	41.900	ug/l		100
85) sec-Butylbenzene	11.890	105	501503	38.778	ug/l		100
86) p-Isopropyltoluene	12.006	119	421390	38.505	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	247362	41.716	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	249347	40.885	ug/l		100
89) n-Butylbenzene	12.329	91	384457	37.770	ug/l		100
90) Hexachloroethane	12.536	117	71806	37.401	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	241873	42.975	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	34229	47.426	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	151386	40.122	ug/l		98
94) Hexachlorobutadiene	13.719	225	43392	32.309	ug/l		97
95) Naphthalene	13.774	128	504429	46.781	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	146250	41.121	ug/l		99

Sample Results: **VX047507.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047507.D
Acq On : 22 Aug 2025 18:30
Operator : JC/MD
Sample : Q2903-05MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 25 01:32:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

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

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

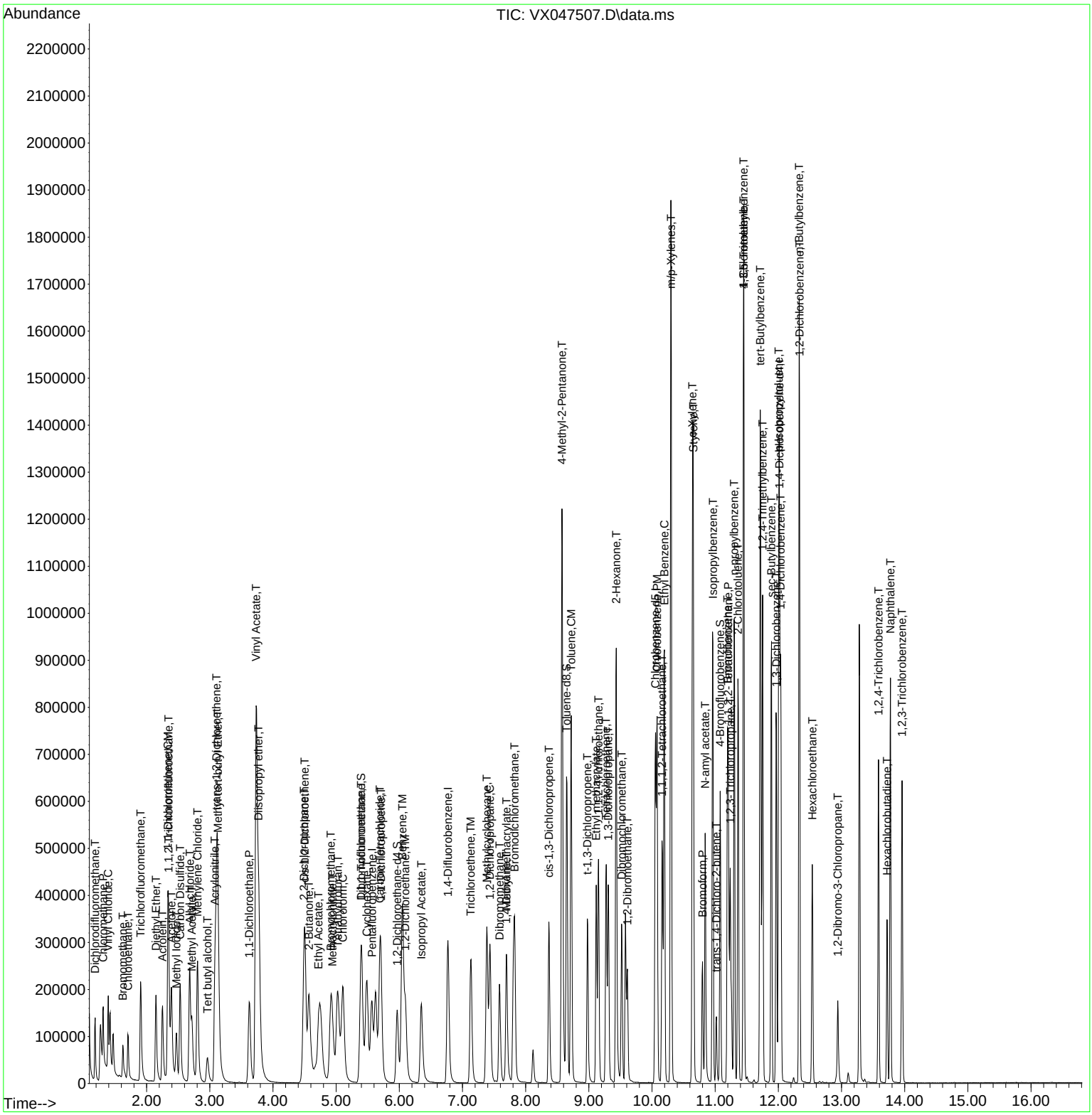
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047507.D
Acq On : 22 Aug 2025 18:30
Operator : JC/MD
Sample : Q2903-05MS
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 25 01:32:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025



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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6B-081925MSD	SDG No.:	Q2903
Lab Sample ID:	Q2903-06MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047508.D	1	08/22/25 18:51	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	43.9		0.22	5.00	ug/L
74-87-3	Chloromethane	48.6		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	49.4		0.26	5.00	ug/L
74-83-9	Bromomethane	46.2		1.40	5.00	ug/L
75-00-3	Chloroethane	54.7		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	47.2		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	47.0		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	50.7		0.23	5.00	ug/L
67-64-1	Acetone	300		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	51.0		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	65.1		0.16	5.00	ug/L
79-20-9	Methyl Acetate	73.6		0.27	5.00	ug/L
75-09-2	Methylene Chloride	59.6		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	54.3		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	59.6		0.23	5.00	ug/L
110-82-7	Cyclohexane	45.9		1.50	5.00	ug/L
78-93-3	2-Butanone	350		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	45.8		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	60.1		0.19	5.00	ug/L
74-97-5	Bromochloromethane	68.3		0.22	5.00	ug/L
67-66-3	Chloroform	60.9		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	54.4		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	40.2		0.16	5.00	ug/L
71-43-2	Benzene	54.4		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	57.3		0.22	5.00	ug/L
79-01-6	Trichloroethene	49.6		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	57.0		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	56.7		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	320		0.68	25.0	ug/L
108-88-3	Toluene	54.1		0.14	5.00	ug/L

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Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6B-081925MSD	SDG No.:	Q2903
Lab Sample ID:	Q2903-06MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047508.D	1	08/22/25 18:51	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	59.4		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	56.6		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	59.5		0.21	5.00	ug/L
591-78-6	2-Hexanone	310		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	58.4		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	58.6		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	45.0		0.23	5.00	ug/L
108-90-7	Chlorobenzene	51.9		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	50.0		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	100		0.24	10.0	ug/L
95-47-6	o-Xylene	52.3		0.12	5.00	ug/L
100-42-5	Styrene	54.8		0.15	5.00	ug/L
75-25-2	Bromoform	57.2		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	48.1		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	57.2		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	49.8		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	49.6		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	51.8		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	56.7		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	47.9		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	50.3		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	72.9	*	74 - 125	146%	SPK: 50
1868-53-7	Dibromofluoromethane	64.1	*	75 - 124	128%	SPK: 50
2037-26-5	Toluene-d8	60.8	*	86 - 113	122%	SPK: 50
460-00-4	4-Bromofluorobenzene	65.1	*	77 - 121	130%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	156000	5.562			
540-36-3	1,4-Difluorobenzene	296000	6.769			
3114-55-4	Chlorobenzene-d5	277000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	140000	12.018			

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

Report of Analysis

Client:	AECOM	Date Collected:	08/19/25
Project:	National Grid Equity - Brooklyn NY	Date Received:	08/19/25
Client Sample ID:	MW-6B-081925MSD	SDG No.:	Q2903
Lab Sample ID:	Q2903-06MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047508.D	1	08/22/25 18:51	VX082225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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\VX082225\
Data File : VX047508.D
Acq On : 22 Aug 2025 18:51
Operator : JC/MD
Sample : Q2903-06MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 25 01:33:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	156491	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	296002	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	277028	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	139791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	159623	72.883	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 145.760%#			
35) Dibromofluoromethane	5.397	113	123140	64.099	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 128.200%#			
50) Toluene-d8	8.653	98	417238	60.765	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 121.520%#			
62) 4-Bromofluorobenzene	11.079	95	165026	65.128	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 130.260%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	87555	43.890	ug/l	99
3) Chloromethane	1.313	50	87155	48.565	ug/l	97
4) Vinyl Chloride	1.392	62	111167	49.353	ug/l #	85
5) Bromomethane	1.624	94	42049	46.217	ug/l	98
6) Chloroethane	1.703	64	75404	54.714	ug/l	97
7) Trichlorofluoromethane	1.904	101	157400	47.242	ug/l	99
8) Diethyl Ether	2.148	74	72750	62.012	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.349	101	90826	46.994	ug/l	98
10) Methyl Iodide	2.471	142	143645	43.370	ug/l	99
11) Tert butyl alcohol	2.965	59	71673	376.177	ug/l	100
12) 1,1-Dichloroethene	2.337	96	99809	50.656	ug/l	96
13) Acrolein	2.251	56	141815	352.598	ug/l	98
14) Allyl chloride	2.684	41	196358	57.377	ug/l	98
15) Acrylonitrile	3.081	53	311493	338.332	ug/l	99
16) Acetone	2.392	43	248060	301.324	ug/l	100
17) Carbon Disulfide	2.532	76	303326	51.016	ug/l	99
18) Methyl Acetate	2.715	43	156995	73.592	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	390161	65.090	ug/l	99
20) Methylene Chloride	2.806	84	129835	59.559	ug/l	97
21) trans-1,2-Dichloroethene	3.111	96	113453	54.251	ug/l	97
22) Diisopropyl ether	3.769	45	439205	64.926	ug/l #	83
23) Vinyl Acetate	3.733	43	1796631	324.031	ug/l	99
24) 1,1-Dichloroethane	3.623	63	227966	59.621	ug/l	97
25) 2-Butanone	4.568	43	381483	353.825	ug/l	97
26) 2,2-Dichloropropane	4.495	77	143385	49.685	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	146393	60.102	ug/l	97
28) Bromochloromethane	4.916	49	108720	68.331	ug/l	99
29) Tetrahydrofuran	5.025	42	242589	348.116	ug/l	99
30) Chloroform	5.105	83	237452	60.850	ug/l	97
31) Cyclohexane	5.489	56	161903	45.934	ug/l	97
32) 1,1,1-Trichloroethane	5.397	97	182562	54.354	ug/l	99
36) 1,1-Dichloropropene	5.702	75	140880	46.456	ug/l	99
37) Ethyl Acetate	4.727	43	164587	52.279	ug/l	98
38) Carbon Tetrachloride	5.696	117	151643	45.759	ug/l	99
39) Methylcyclohexane	7.385	83	152171	40.228	ug/l	93
40) Benzene	6.050	78	493602	54.379	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047508.D
Acq On : 22 Aug 2025 18:51
Operator : JC/MD
Sample : Q2903-06MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Quant Time: Aug 25 01:33:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.946	41	81875	61.671	ug/l		97
42) 1,2-Dichloroethane	6.098	62	184098	57.259	ug/l		99
43) Isopropyl Acetate	6.348	43	274474	60.687	ug/l		99
44) Trichloroethene	7.135	130	115228	49.577	ug/l		96
45) 1,2-Dichloropropane	7.433	63	129597	56.991	ug/l		100
46) Dibromomethane	7.586	93	95411	57.793	ug/l		97
47) Bromodichloromethane	7.824	83	194140	56.725	ug/l		99
48) Methyl methacrylate	7.696	41	143407	61.086	ug/l		98
49) 1,4-Dioxane	7.689	88	29253	1281.801	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	827119	317.796	ug/l		99
52) Toluene	8.720	92	303194	54.056	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	177327	59.366	ug/l		100
54) cis-1,3-Dichloropropene	8.372	75	191373	56.604	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	126611	59.453	ug/l		99
56) Ethyl methacrylate	9.116	69	193540	61.642	ug/l		99
57) 1,3-Dichloropropane	9.305	76	216801	59.744	ug/l		99
59) 2-Hexanone	9.433	43	563695	313.107	ug/l		99
60) Dibromochloromethane	9.518	129	147868	58.426	ug/l		99
61) 1,2-Dibromoethane	9.610	107	128728	58.619	ug/l		99
64) Tetrachloroethene	9.275	164	90142	44.986	ug/l		97
65) Chlorobenzene	10.079	112	341413	51.861	ug/l		96
66) 1,1,1,2-Tetrachloroethane	10.165	131	119905	53.880	ug/l		99
67) Ethyl Benzene	10.195	91	566504	49.997	ug/l		100
68) m/p-Xylenes	10.299	106	427277	101.131	ug/l		98
69) o-Xylene	10.640	106	212459	52.255	ug/l		100
70) Styrene	10.652	104	376357	54.783	ug/l		99
71) Bromoform	10.799	173	95629	57.199	ug/l	#	99
73) Isopropylbenzene	10.957	105	526680	48.146	ug/l		100
74) N-amyl acetate	10.841	43	237986	57.290	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	183841	57.239	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	144631m	56.410	ug/l		
77) Bromobenzene	11.195	156	139937	52.386	ug/l		99
78) n-propylbenzene	11.299	91	624186	47.776	ug/l		100
79) 2-Chlorotoluene	11.360	91	393762	49.857	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	438352	48.702	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	24114	42.316	ug/l		97
82) 4-Chlorotoluene	11.451	91	462602	49.689	ug/l		99
83) tert-Butylbenzene	11.713	119	444080	49.453	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	458028	50.887	ug/l		99
85) sec-Butylbenzene	11.890	105	518860	46.618	ug/l		100
86) p-Isopropyltoluene	12.006	119	440130	46.731	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	254365	49.844	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	260200	49.575	ug/l		100
89) n-Butylbenzene	12.329	91	395032	45.094	ug/l		100
90) Hexachloroethane	12.536	117	76920	46.554	ug/l		94
91) 1,2-Dichlorobenzene	12.329	146	250687	51.754	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	35212	56.689	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	155439	47.868	ug/l		98
94) Hexachlorobutadiene	13.725	225	49252	42.611	ug/l		97
95) Naphthalene	13.774	128	527913	56.889	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	153995	50.311	ug/l		99

Sample Results: **VX047508.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082225\
Data File : VX047508.D
Acq On : 22 Aug 2025 18:51
Operator : JC/MD
Sample : Q2903-06MSD
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 26 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/25/2025
Supervised By :Semsettin Yesilyurt 08/25/2025

Quant Time: Aug 25 01:33:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 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\VX082225\
Data File : VX047508.D
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Instrument :
MSVOA_X
ClientSampleId :
MW-6B-081925MSD

Manual Integrations APPROVED

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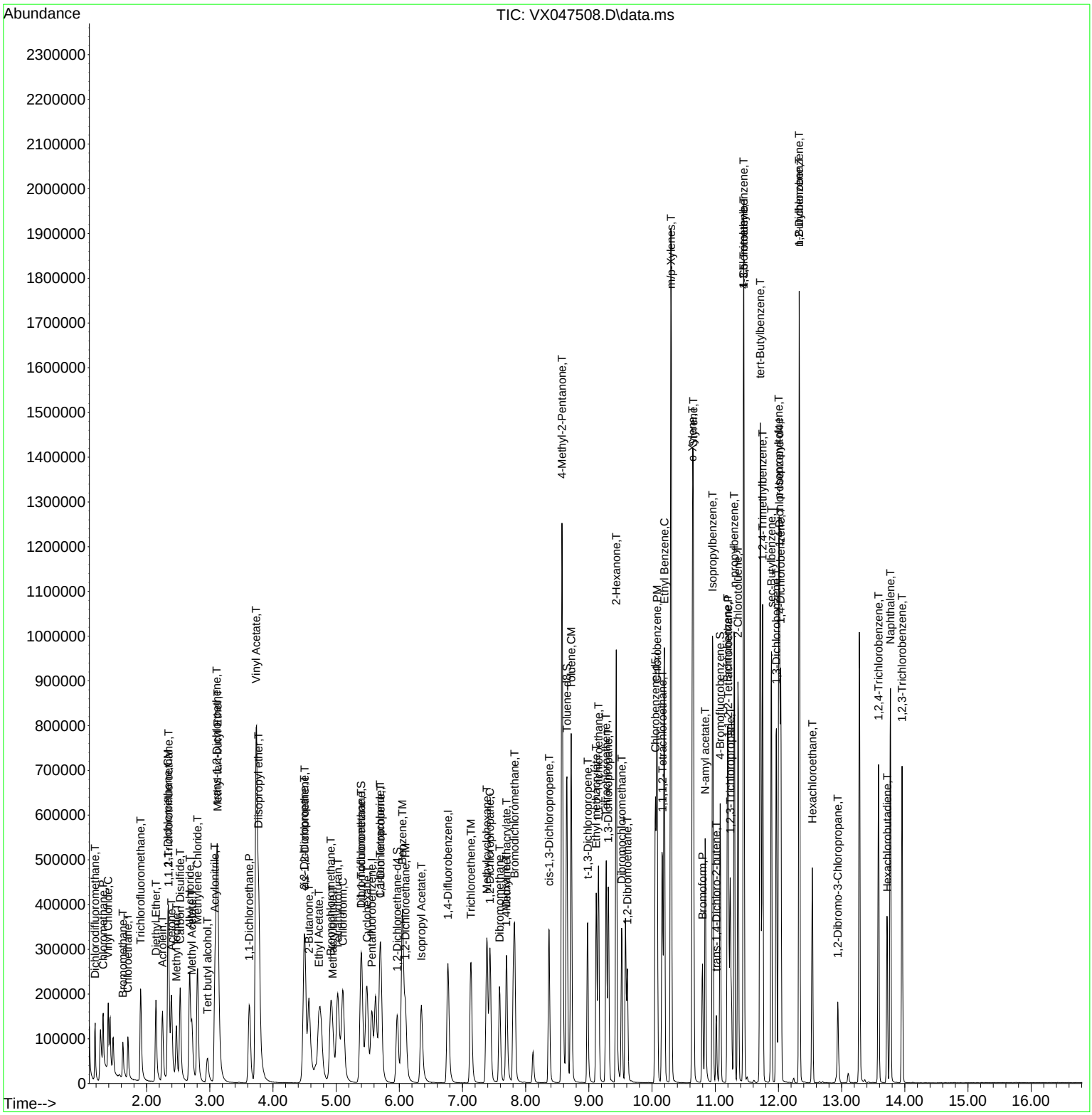

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX047349.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	1,4-Dioxane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	Tetrahydrofuran	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,4-Dioxane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICCC050	VX047351.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:42:59 AM	MMDadoda	8/19/2025 1:41:07 AM	Peak Integrated by Software
VSTDICC100	VX047352.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:03 AM	MMDadoda	8/19/2025 1:41:08 AM	Peak Integrated by Software
VSTDICC150	VX047353.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:07 AM	MMDadoda	8/19/2025 1:41:10 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dichlorobenzene	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dioxane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Allyl chloride	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Ethyl Acetate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047356.D	Methacrylonitrile	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Methyl methacrylate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Tetrahydrofuran	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,4-Dioxane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDCCC050	VX047369.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:44 AM	MMDadoda	8/19/2025 1:41:35 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	Vx082125	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047455.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:18:39 AM	MMDadoda	8/22/2025 10:54:21 PM	Peak Integrated by Software
VX0821WBS02	VX047467.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:18:52 AM	MMDadoda	8/22/2025 10:54:29 PM	Peak Integrated by Software
Q2903-03	VX047475.D	cis-1,2-Dichloroethene	JOHN	8/22/2025 9:19:28 AM	MMDadoda	8/22/2025 10:54:34 PM	Peak Integrated by Software
VSTDCCC050	VX047482.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:19:36 AM	MMDadoda	8/22/2025 10:54:39 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX082225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047484.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:18 AM	SAM	8/25/2025 3:21:27 PM	Peak Integrated by Software
VX0822WBS01	VX047487.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:23 AM	SAM	8/25/2025 3:21:28 PM	Peak Integrated by Software
Q2903-05MS	VX047507.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:34 AM	SAM	8/25/2025 3:21:34 PM	Peak Integrated by Software
Q2903-06MSD	VX047508.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:39 AM	SAM	8/25/2025 3:21:35 PM	Peak Integrated by Software
VSTDCCC050	VX047509.D	1,2,3-Trichloropropane	JOHN	8/25/2025 8:45:44 AM	SAM	8/25/2025 3:21:37 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX082525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047511.D	1,2,3-Trichloropropane	JOHN	8/26/2025 8:53:55 AM	MMDadoda	8/26/2025 3:15:50 PM	Peak Integrated by Software
VX0825WBS01	VX047514.D	1,2,3-Trichloropropane	JOHN	8/26/2025 8:53:59 AM	MMDadoda	8/26/2025 3:15:52 PM	Peak Integrated by Software
VSTDCCC050	VX047520.D	1,2,3-Trichloropropane	JOHN	8/26/2025 8:54:08 AM	MMDadoda	8/26/2025 3:15:54 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047347.D	15 Aug 2025 08:28	JC/MD	Ok
2	VSTDICC001	VX047348.D	15 Aug 2025 09:18	JC/MD	Not Ok
3	VSTDICC005	VX047349.D	15 Aug 2025 09:40	JC/MD	Ok,M
4	VSTDICC020	VX047350.D	15 Aug 2025 10:01	JC/MD	Ok,M
5	VSTDICCC050	VX047351.D	15 Aug 2025 10:22	JC/MD	Ok,M
6	VSTDICC100	VX047352.D	15 Aug 2025 10:43	JC/MD	Ok,M
7	VSTDICC150	VX047353.D	15 Aug 2025 11:05	JC/MD	Ok,M
8	IBLK	VX047354.D	15 Aug 2025 11:26	JC/MD	Ok
9	VSTDICC001	VX047355.D	15 Aug 2025 12:08	JC/MD	Not Ok
10	VSTDICC001	VX047356.D	15 Aug 2025 12:30	JC/MD	Ok,M
11	VSTDICV050	VX047357.D	15 Aug 2025 13:11	JC/MD	Ok,M
12	VX0815WBL01	VX047358.D	15 Aug 2025 13:39	JC/MD	Ok
13	VX0815MBL01	VX047359.D	15 Aug 2025 14:00	JC/MD	Ok
14	VX0815WBS01	VX047360.D	15 Aug 2025 14:21	JC/MD	Ok,M
15	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49	JC/MD	Ok,M
16	Q2880-01	VX047362.D	15 Aug 2025 15:10	JC/MD	Ok
17	Q2880-02	VX047363.D	15 Aug 2025 15:32	JC/MD	Ok
18	Q2880-03	VX047364.D	15 Aug 2025 15:53	JC/MD	Ok
19	Q2880-04	VX047365.D	15 Aug 2025 16:15	JC/MD	Ok
20	Q2886-01	VX047366.D	15 Aug 2025 16:36	JC/MD	Ok
21	Q2886-02	VX047367.D	15 Aug 2025 16:58	JC/MD	ReRun

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 # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2837-01	VX047368.D	15 Aug 2025 17:19	JC/MD	Ok,M
23	VSTDCCC050	VX047369.D	15 Aug 2025 17:41	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 # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047454.D	21 Aug 2025 07:58	JC/MD	Ok
2	VSTDCCC050	VX047455.D	21 Aug 2025 09:35	JC/MD	Ok,M
3	VX0821MBL01	VX047456.D	21 Aug 2025 10:03	JC/MD	Ok
4	VX0821WBL01	VX047457.D	21 Aug 2025 10:24	JC/MD	Ok
5	VX0821WBS01	VX047458.D	21 Aug 2025 10:50	JC/MD	Not Ok
6	VX0821WBSD01	VX047459.D	21 Aug 2025 11:18	JC/MD	Not Ok
7	Q2869-04	VX047460.D	21 Aug 2025 11:39	JC/MD	Dilution
8	Q2869-05	VX047461.D	21 Aug 2025 12:00	JC/MD	Ok
9	Q2869-03	VX047462.D	21 Aug 2025 12:22	JC/MD	Ok
10	Q2900-02DL	VX047463.D	21 Aug 2025 12:43	JC/MD	Ok
11	Q2900-03DL	VX047464.D	21 Aug 2025 13:04	JC/MD	Ok
12	Q2900-05DL	VX047465.D	21 Aug 2025 13:25	JC/MD	Ok
13	Q2900-08	VX047466.D	21 Aug 2025 13:46	JC/MD	Ok
14	VX0821WBS02	VX047467.D	21 Aug 2025 14:07	JC/MD	Ok,M
15	Q2869-04DL	VX047468.D	21 Aug 2025 14:28	JC/MD	Ok
16	Q2900-07RE	VX047469.D	21 Aug 2025 14:49	JC/MD	Confirms
17	VX0821WBSD02	VX047470.D	21 Aug 2025 15:10	JC/MD	Ok,M
18	Q2900-06	VX047471.D	21 Aug 2025 15:31	JC/MD	Ok
19	Q2903-01	VX047472.D	21 Aug 2025 15:53	JC/MD	Ok
20	Q2903-02	VX047473.D	21 Aug 2025 16:14	JC/MD	ReRun
21	Q2900-04	VX047474.D	21 Aug 2025 16:35	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2903-03	VX047475.D	21 Aug 2025 16:56	JC/MD	Ok,M
23	Q2903-04	VX047476.D	21 Aug 2025 17:17	JC/MD	Ok
24	Q2903-05MS	VX047477.D	21 Aug 2025 17:39	JC/MD	Not Ok
25	Q2903-06MSD	VX047478.D	21 Aug 2025 18:00	JC/MD	Not Ok
26	Q2903-07	VX047479.D	21 Aug 2025 18:21	JC/MD	Dilution
27	Q2903-08	VX047480.D	21 Aug 2025 18:42	JC/MD	Ok
28	Q2903-09	VX047481.D	21 Aug 2025 19:03	JC/MD	ReRun
29	VSTDCCC050	VX047482.D	21 Aug 2025 19:25	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047483.D	22 Aug 2025 08:25	JC/MD	Ok
2	VSTDCCC050	VX047484.D	22 Aug 2025 10:00	JC/MD	Ok,M
3	VX0822MBL01	VX047485.D	22 Aug 2025 10:32	JC/MD	Ok
4	VX0822WBL01	VX047486.D	22 Aug 2025 10:53	JC/MD	Ok
5	VX0822WBS01	VX047487.D	22 Aug 2025 11:22	JC/MD	Ok,M
6	VX0822WBSD01	VX047488.D	22 Aug 2025 11:51	JC/MD	Ok,M
7	Q2903-07DL	VX047489.D	22 Aug 2025 12:12	JC/MD	Ok
8	Q2903-13	VX047490.D	22 Aug 2025 12:34	JC/MD	ReRun
9	Q2927-01	VX047491.D	22 Aug 2025 12:55	JC/MD	Ok
10	IBLK	VX047492.D	22 Aug 2025 13:16	JC/MD	Ok
11	Q2903-02RE	VX047493.D	22 Aug 2025 13:37	JC/MD	Confirms
12	Q2903-09	VX047494.D	22 Aug 2025 13:58	JC/MD	Ok
13	Q2903-10	VX047495.D	22 Aug 2025 14:19	JC/MD	Ok
14	Q2903-11	VX047496.D	22 Aug 2025 14:40	JC/MD	Ok
15	Q2903-12	VX047497.D	22 Aug 2025 15:01	JC/MD	Ok
16	Q2934-01	VX047498.D	22 Aug 2025 15:22	JC/MD	Ok
17	Q2934-02	VX047499.D	22 Aug 2025 15:43	JC/MD	Ok
18	Q2934-03	VX047500.D	22 Aug 2025 16:04	JC/MD	Ok
19	Q2934-04	VX047501.D	22 Aug 2025 16:25	JC/MD	Ok
20	IBLK	VX047502.D	22 Aug 2025 16:46	JC/MD	Ok
21	Q2939-01	VX047503.D	22 Aug 2025 17:07	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2939-02	VX047504.D	22 Aug 2025 17:27	JC/MD	Ok
23	Q2939-03	VX047505.D	22 Aug 2025 17:48	JC/MD	Ok
24	Q2939-04	VX047506.D	22 Aug 2025 18:09	JC/MD	Ok
25	Q2903-05MS	VX047507.D	22 Aug 2025 18:30	JC/MD	Ok,M
26	Q2903-06MSD	VX047508.D	22 Aug 2025 18:51	JC/MD	Ok,M
27	VSTDCCC050	VX047509.D	22 Aug 2025 19:12	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082525

Review By	John Carlone	Review On	8/26/2025 8:55:04 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/26/2025 3:13:43 PM		
SubDirectory	VX082525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135277
Initial Calibration Stds	
CCC	VP135278,VP135279
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047510.D	25 Aug 2025 08:12	JC/MD	Ok
2	VSTDCCC050	VX047511.D	25 Aug 2025 10:14	JC/MD	Ok,M
3	VX0825MBL01	VX047512.D	25 Aug 2025 10:43	JC/MD	Ok
4	VX0825WBL01	VX047513.D	25 Aug 2025 11:04	JC/MD	Ok
5	VX0825WBS01	VX047514.D	25 Aug 2025 12:03	JC/MD	Ok,M
6	VX0825WBSD01	VX047515.D	25 Aug 2025 12:30	JC/MD	Ok,M
7	IBLK	VX047516.D	25 Aug 2025 12:51	JC/MD	Ok
8	Q2939-01	VX047517.D	25 Aug 2025 13:12	JC/MD	Ok
9	Q2903-13	VX047518.D	25 Aug 2025 13:32	JC/MD	Ok
10	Q2954-11	VX047519.D	25 Aug 2025 15:30	JC/MD	Ok
11	VSTDCCC050	VX047520.D	25 Aug 2025 16:13	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047347.D	15 Aug 2025 08:28		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047348.D	15 Aug 2025 09:18	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX047349.D	15 Aug 2025 09:40	LR-58,81	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047350.D	15 Aug 2025 10:01		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047351.D	15 Aug 2025 10:22		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047352.D	15 Aug 2025 10:43		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047353.D	15 Aug 2025 11:05		JC/MD	Ok,M
8	IBLK	IBLK	VX047354.D	15 Aug 2025 11:26		JC/MD	Ok
9	VSTDICC001	VSTDICC001	VX047355.D	15 Aug 2025 12:08	Not used	JC/MD	Not Ok
10	VSTDICC001	VSTDICC001	VX047356.D	15 Aug 2025 12:30		JC/MD	Ok,M
11	VSTDICV050	ICVVX081525	VX047357.D	15 Aug 2025 13:11		JC/MD	Ok,M
12	VX0815WBL01	VX0815WBL01	VX047358.D	15 Aug 2025 13:39		JC/MD	Ok
13	VX0815MBL01	VX0815MBL01	VX047359.D	15 Aug 2025 14:00		JC/MD	Ok
14	VX0815WBS01	VX0815WBS01	VX047360.D	15 Aug 2025 14:21		JC/MD	Ok,M
15	VX0815WBSD01	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49		JC/MD	Ok,M
16	Q2880-01	STORAGE-BLANK-SO	VX047362.D	15 Aug 2025 15:10	vial A pH<2	JC/MD	Ok
17	Q2880-02	STORAGE-BLANK-WA	VX047363.D	15 Aug 2025 15:32	vial A pH<2	JC/MD	Ok
18	Q2880-03	STORAGE-BLANK-WA	VX047364.D	15 Aug 2025 15:53	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2880-04	STORAGE-BLANK-SAI	VX047365.D	15 Aug 2025 16:15	vial A pH<2	JC/MD	Ok
20	Q2886-01	BP-TT182D-TB-202508	VX047366.D	15 Aug 2025 16:36	vial A pH<2	JC/MD	Ok
21	Q2886-02	BP-TT182D-GW-20250	VX047367.D	15 Aug 2025 16:58	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2837-01	TW-WTS-13	VX047368.D	15 Aug 2025 17:19	vial B pH<2	JC/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VX047369.D	15 Aug 2025 17:41		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
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	VX047454.D	21 Aug 2025 07:58		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047455.D	21 Aug 2025 09:35	pH#Lot#V12668	JC/MD	Ok,M
3	VX0821MBL01	VX0821MBL01	VX047456.D	21 Aug 2025 10:03		JC/MD	Ok
4	VX0821WBL01	VX0821WBL01	VX047457.D	21 Aug 2025 10:24		JC/MD	Ok
5	VX0821WBS01	VX0821WBS01	VX047458.D	21 Aug 2025 10:50	Recovery fail	JC/MD	Not Ok
6	VX0821WBSD01	VX0821WBSD01	VX047459.D	21 Aug 2025 11:18	Recovery fail	JC/MD	Not Ok
7	Q2869-04	MW-11A-13.5-081325	VX047460.D	21 Aug 2025 11:39	vial A pH<2 Need 20X	JC/MD	Dilution
8	Q2869-05	MW-19B-71.5-081325-I	VX047461.D	21 Aug 2025 12:00	vial A pH<2	JC/MD	Ok
9	Q2869-03	MW-01-6.5-081325	VX047462.D	21 Aug 2025 12:22	vial A pH<2	JC/MD	Ok
10	Q2900-02DL	MN-12C-081825DL	VX047463.D	21 Aug 2025 12:43	vial B pH<2	JC/MD	Ok
11	Q2900-03DL	DUP-01-081825DL	VX047464.D	21 Aug 2025 13:04	vial B pH<2	JC/MD	Ok
12	Q2900-05DL	MW-11C-081825DL	VX047465.D	21 Aug 2025 13:25	vial B pH<2	JC/MD	Ok
13	Q2900-08	TB-081825	VX047466.D	21 Aug 2025 13:46	vial B pH<2 TB	JC/MD	Ok
14	VX0821WBS02	VX0821WBS02	VX047467.D	21 Aug 2025 14:07		JC/MD	Ok,M
15	Q2869-04DL	MW-11A-13.5-081325D	VX047468.D	21 Aug 2025 14:28	vial B pH<2	JC/MD	Ok
16	Q2900-07RE	MW-11B-081825RE	VX047469.D	21 Aug 2025 14:49	vial B pH<2 Surrogate Fail	JC/MD	Confirms
17	VX0821WBSD02	VX0821WBSD02	VX047470.D	21 Aug 2025 15:10		JC/MD	Ok,M
18	Q2900-06	MW-17C-081825	VX047471.D	21 Aug 2025 15:31	vial B pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082125

Review By	John Carlone	Review On	8/22/2025 9:26:16 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/22/2025 10:55:07 PM		
SubDirectory	VX082125	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135197
Initial Calibration Stds	
CCC	VP135198,VP135199
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2903-01	MW-6A-081925	VX047472.D	21 Aug 2025 15:53	vial A pH<2	JC/MD	Ok
20	Q2903-02	MW-1C-081925	VX047473.D	21 Aug 2025 16:14	vial A pH<2 Surrogate Fail	JC/MD	ReRun
21	Q2900-04	MW-17B-081825	VX047474.D	21 Aug 2025 16:35	vial B pH<2	JC/MD	Ok
22	Q2903-03	MW-6B-081925	VX047475.D	21 Aug 2025 16:56	vial A pH<2	JC/MD	Ok,M
23	Q2903-04	MW-1B-081925	VX047476.D	21 Aug 2025 17:17	vial A pH<2	JC/MD	Ok
24	Q2903-05MS	MW-6B-081925MS	VX047477.D	21 Aug 2025 17:39	Spike not added	JC/MD	Not Ok
25	Q2903-06MSD	MW-6B-081925MSD	VX047478.D	21 Aug 2025 18:00	Surrogate Fail;Spike not added	JC/MD	Not Ok
26	Q2903-07	MW-12B-081925	VX047479.D	21 Aug 2025 18:21	vial A pH<2 Surrogate Fail;Need 10X	JC/MD	Dilution
27	Q2903-08	MW-18B-081925	VX047480.D	21 Aug 2025 18:42	vial A pH<2	JC/MD	Ok
28	Q2903-09	DUP-02-081925	VX047481.D	21 Aug 2025 19:03	vial A pH<2 Surrogate Fail	JC/MD	ReRun
29	VSTDCCC050	VSTDCCC050EC	VX047482.D	21 Aug 2025 19:25		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
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	VX047483.D	22 Aug 2025 08:25		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047484.D	22 Aug 2025 10:00	pH#Lot#V12668	JC/MD	Ok,M
3	VX0822MBL01	VX0822MBL01	VX047485.D	22 Aug 2025 10:32		JC/MD	Ok
4	VX0822WBL01	VX0822WBL01	VX047486.D	22 Aug 2025 10:53		JC/MD	Ok
5	VX0822WBS01	VX0822WBS01	VX047487.D	22 Aug 2025 11:22		JC/MD	Ok,M
6	VX0822WBSD01	VX0822WBSD01	VX047488.D	22 Aug 2025 11:51		JC/MD	Ok,M
7	Q2903-07DL	MW-12B-081925DL	VX047489.D	22 Aug 2025 12:12	vial B pH<2	JC/MD	Ok
8	Q2903-13	TB	VX047490.D	22 Aug 2025 12:34	vial A pH<2 TB;Surrogate Fail	JC/MD	ReRun
9	Q2927-01	A6121M	VX047491.D	22 Aug 2025 12:55	vial A pH<2	JC/MD	Ok
10	IBLK	IBLK	VX047492.D	22 Aug 2025 13:16		JC/MD	Ok
11	Q2903-02RE	MW-1C-081925RE	VX047493.D	22 Aug 2025 13:37	vial B pH<2 Surrogate Fail	JC/MD	Confirms
12	Q2903-09	DUP-02-081925	VX047494.D	22 Aug 2025 13:58	vial B pH<2	JC/MD	Ok
13	Q2903-10	MW-17A-081925	VX047495.D	22 Aug 2025 14:19	vial A pH<2	JC/MD	Ok
14	Q2903-11	MW-18A-081925	VX047496.D	22 Aug 2025 14:40	vial A pH<2	JC/MD	Ok
15	Q2903-12	MW-16B-081925	VX047497.D	22 Aug 2025 15:01	vial A pH<2	JC/MD	Ok
16	Q2934-01	ENV-SW01	VX047498.D	22 Aug 2025 15:22	vial A pH<2	JC/MD	Ok
17	Q2934-02	ENV-SW02	VX047499.D	22 Aug 2025 15:43	vial A pH<2	JC/MD	Ok
18	Q2934-03	ENV-SW03	VX047500.D	22 Aug 2025 16:04	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082225

Review By	John Carlone	Review On	8/25/2025 8:50:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 3:23:15 PM		
SubDirectory	VX082225	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135234
Initial Calibration Stds	
CCC	VP135235,VP135236
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2934-04	ENV-SW04	VX047501.D	22 Aug 2025 16:25	vial A pH<2	JC/MD	Ok
20	IBLK	IBLK	VX047502.D	22 Aug 2025 16:46		JC/MD	Ok
21	Q2939-01	STORAGE-BLANK-SO	VX047503.D	22 Aug 2025 17:07	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2939-02	STORAGE-BLANK-WA	VX047504.D	22 Aug 2025 17:27	vial A pH<2	JC/MD	Ok
23	Q2939-03	STORAGE-BLANK-WA	VX047505.D	22 Aug 2025 17:48	vial A pH<2	JC/MD	Ok
24	Q2939-04	STORAGE-BLANK-SA	VX047506.D	22 Aug 2025 18:09	vial A pH<2	JC/MD	Ok
25	Q2903-05MS	MW-6B-081925MS	VX047507.D	22 Aug 2025 18:30	vial A pH<2	JC/MD	Ok,M
26	Q2903-06MSD	MW-6B-081925MSD	VX047508.D	22 Aug 2025 18:51	vial A pH<2	JC/MD	Ok,M
27	VSTDCCC050	VSTDCCC050EC	VX047509.D	22 Aug 2025 19:12		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082525

Review By	John Carlone	Review On	8/26/2025 8:55:04 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/26/2025 3:13:43 PM		
SubDirectory	VX082525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135277
Initial Calibration Stds	
CCC	VP135278,VP135279
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	VX047510.D	25 Aug 2025 08:12		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047511.D	25 Aug 2025 10:14	pH#Lot#V12668	JC/MD	Ok,M
3	VX0825MBL01	VX0825MBL01	VX047512.D	25 Aug 2025 10:43		JC/MD	Ok
4	VX0825WBL01	VX0825WBL01	VX047513.D	25 Aug 2025 11:04		JC/MD	Ok
5	VX0825WBS01	VX0825WBS01	VX047514.D	25 Aug 2025 12:03		JC/MD	Ok,M
6	VX0825WBSD01	VX0825WBSD01	VX047515.D	25 Aug 2025 12:30		JC/MD	Ok,M
7	IBLK	IBLK	VX047516.D	25 Aug 2025 12:51		JC/MD	Ok
8	Q2939-01	STORAGE-BLANK-SO	VX047517.D	25 Aug 2025 13:12	vial B pH<2	JC/MD	Ok
9	Q2903-13	TB	VX047518.D	25 Aug 2025 13:32	vial B pH<2 TB	JC/MD	Ok
10	Q2954-11	BRIDGE	VX047519.D	25 Aug 2025 15:30	vial A pH<2	JC/MD	Ok
11	VSTDCCC050	VSTDCCC050EC	VX047520.D	25 Aug 2025 16:13		JC/MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 · Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2903
COC Number 2045004

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: AECOM
ADDRESS: 250 Apollo Dr
CITY Chelmsford STATE: MA ZIP: 01824
ATTENTION: Peter S. Cox, P.G.
PHONE: 1-978 905-2100 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Equity
PROJECT NO.: 60673602 LOCATION: Brooklyn, NY
PROJECT MANAGER: Peter S. Cox
e-mail: Pete.Cox@aecom.com
PHONE: 1-978-764-4[illegible] FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#: TBD
ADDRESS: 250 Apollo Dr
CITY Chelmsford STATE: MA ZIP: 01824
ATTENTION: Peter S. Cox PHONE: 1-978 905-2100

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ 10 Days DAYS*
HARDCOPY (DATA PACKAGE): 10 Days DAYS*
EDD: 10 Days DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☑ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☑ NYS ASP A ☐ NYS ASP B
- ☑ Other EQuIS
- ☐ EDD FORMAT _____

ANALYSIS

1: 8270E - SVOCs 2. Add to VOCs 3. 4. 5. 6. 7. 8. 9.

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1 (E)	2 (A)	3	4	5	6	7	8	9	COMMENTS
1.	MW-6A-081925	W		X	8/19/25	0820	3	X	X								
2.	MW-1C-081925	W		X	8/19/25	0929	3	X	X								
3.	MW-6B-081925	W		X	8/19/25	0955	3	X	X								
4.	MW-1B-081925	W		X	8/19/25	0955	3	X	X								
5.	MS-01-081925	W		X	8/19/25	1000	3	X	X								
6.	MSD-01-081925	W		X	8/19/25	1000	3	X	X								
7.	MW-2B-081925	W		X	8/19/25	1056	3	X	X								
8.	MW-10B-081925	W		X	8/19/25	1122	3	X	X								
9.	DUP-02-081925	W		X	8/19/25	1122	3	X	X								
10.	MW-17A-081925	W		X	8/19/25	1227	3	X	X								

PRESERVATIVES: ← Specify Preservatives — A-HCl, B-HN03, C-H2SO4, D-NaOH, E-ICE, F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8/19/25	1. 1525 8-19-25
2.	DATE/TIME:	2.
3.	DATE/TIME: 1725 8-19-25	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.1 °C
Comments:

Page 1 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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ALLIANCE PROJECT NO.
QUOTE NO. Q2903
COC Number 2045001

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: AECOM
ADDRESS: 250 Apollo Dr
CITY Chelmsford STATE MA ZIP 01824
ATTENTION: Peter S. Cox, P.G.
PHONE: 1-978-905-2100 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Equity
PROJECT NO: 60133662 LOCATION: Brooklyn NY
PROJECT MANAGER: Peter S. Cox
e-mail: Pete.cox@AECOM.com
PHONE: 978-905-2100 FAX:

CLIENT BILLING INFORMATION

BILL TO: AECOM PO#: TBD
ADDRESS: 250 Apollo Dr
CITY Chelmsford STATE: MA ZIP 01824
ATTENTION: Peter S. Cox PHONE: 1-978-905-2100

DATA TURNAROUND INFORMATION

FAX (RUSH) 10 DAYS*
HARDCOPY (DATA PACKAGE): 10 DAYS*
EDD: 10 DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)
☑ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP
☐ Level 3 (Results + QC + Raw Data) ☑ NYS ASP A ☐ NYS ASP B
☑ Other EQUIS
☐ EDD FORMAT

ANALYSIS

1: 8270E-SVOC 2: 624oD-VOC 3. 4 5 6 7 8 9

ALLIANCE 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.	MW-16A-081925	W		X	8/19/25	1247	3	X	X								
2.	MW-16B-081925	W		X	8/19/25	1308	3	X	X								
3.	TB	W		X	8/19/25	0800	B2		X								
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

Specify Preservatives: A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	8/19/25 1525	1. 8-19-25
2.		2.
3.	8-19-25 1725	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.2 °C
Comments:

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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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	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2903 AECO02
Client Name : AECOM
Client Contact : Peter S
Invoice Name : AECOM
Invoice Contact : Peter S

Order Date : 8/19/2025 3:36:00 PM
Project Name : National Grid Equity - Broc
Receive DateTime : 8/19/2025 5:25:00 PM
Purchase Order :

Project Mgr :
Report Type : ~~Level 2~~ NYS ASP A
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2903-01	MW-6A-081925	Water	08/19/2025	08:28					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-02	MW-1C-081925	Water	08/19/2025	09:29					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-03	MW-6B-081925	Water	08/19/2025	09:55					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-04	MW-1B-081925	Water	08/19/2025	09:45					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-05	Q2903-03MS ~~MS-01-081925~~	Water	08/19/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-06	Q2903-03MSD ~~MSD-01-081925~~	Water	08/19/2025	10:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-07	MW-12B-081925	Water	08/19/2025	10:58					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-08	MW-18B-081925	Water	08/19/2025	11:22					

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Fax : 908 789 8922

DP 08/25/2025

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2903 AECO02
Client Name : AECOM
Client Contact : Peter S
Invoice Name : AECOM
Invoice Contact : Peter S

Order Date : 8/19/2025 3:36:00 PM
Project Name : National Grid Equity - Broc
Receive DateTime : 8/19/2025 5:25:00 PM
Purchase Order :

Project Mgr :
Report Type : NYS ASP A ~~Level 2~~
EDD Type : EXCEL NJCLEANUP
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-09	DUP-02-081925	Water	08/19/2025	11:22					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-10	MW-17A-081925	Water	08/19/2025	12:27					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-11	MW-18A-081925	Water	08/19/2025	12:47					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-12	MW-16B-081925	Water	08/19/2025	13:08					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2903-13	TB	Water	08/19/2025	08:00					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : JW
Date / Time : 8/20/25 0810

Received By : JC
Date / Time : 8/20/25 810

Received on 8/19/25 @ 1725
Placed in SM-REF-2

Storage Area : VOA Refridgerator Room