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

DATA PACKAGE

VOLATILE ORGANICS

PROJECT NAME : USACE018-44 DOD

FIRST ENVIRONMENT, INC.

10 Park Place, Bldg 1A, Suite 504

Butler, NJ - 07405

Phone No: 973-334-0003

ORDER ID : Q2814

ATTENTION : Al Smith

Laboratory Certification ID # 20012

Alliance TECHNICAL GROUP

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Cover Page

Order ID : Q2814

Project ID : USACE018-44 DOD

Client : First Environment, Inc.

Lab Sample Number	Client Sample Number
Q2814-01	TW-84SB-E
Q2814-02	TW-17M-N
Q2814-03	TW-17M-W
Q2814-04	TW-82H-N
Q2814-05	TW-82H-E
Q2814-06	TW-82H-S
Q2814-07	TW-82H-W
Q2814-08	TW-38M-E
Q2814-09	TW-38M-W
Q2814-10	TW-38M-N
Q2814-11	TW-38M-S
Q2814-12	TW-BP-S
Q2814-13	TW-BP-N
Q2814-14	TW-BP-E
Q2814-15	TW-BP-W
Q2814-16	FB
Q2814-17	TW-518R-S
Q2814-18	TW-518R-N
Q2814-19	TW-518R-E
Q2814-20	TW-518R-W
Q2814-21	TB
Q2814-22	TW-84SB-E
Q2814-23	TW-17M-W

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: 8/20/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

First Environment, Inc.
Project Name: USACE018-44 DOD
Project # N/A
Order ID # Q2814
Test Name: VOC-TCLVOA-10

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

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#121-1324UIThe 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
TW-82H-S [Toluene-d8 - 79%],
TW-82H-SRE [1,2-Dichloroethane-d4 - 119%],
TW-82H-W [Toluene-d8 - 75%],
TW-82H-WRE [1,2-Dichloroethane-d4 - 124%]
TW-BP-S [1,2-Dichloroethane-d4 - 143%, 4-Bromofluorobenzene - 135%, Dibromofluoromethane - 142%, Toluene-d8 - 122%],
TW-BP-SRE [1,2-Dichloroethane-d4 - 119%]
TW-518R-N [1,2-Dichloroethane-d4 - 124%],
TW-518R-NRE [Toluene-d8 - 113%],
TW-518R-E [1,2-Dichloroethane-d4 - 123%],
TW-518R-ERE [1 and2-Dichloroethane-d4 - 119%].
samples were reanalyzed to confirm the failure and reported.

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

The RPD were met for all analysis.
The Blank Spike met requirements for all compounds.
The Blank Spike Duplicate met requirements for all compounds.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.

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The Continuous Calibration File ID VX047309.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

The not QT review data is reported in the Miscellaneous.
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

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY

ORDER ID: Q2814 MATRIX: Water

METHOD: 8260D

		NA	NO	YES
1.	Chromatograms Labeled/Compounds Identified. (Field samples and Method Blanks)			✓
2.	GC/MS Tuning Specifications BFB Meet Criteria (NOTE THAT THERE ARE DIFFERENT CRITERIA FOR NY ASP CLP, CLP AND NJ)			✓
3.	GC/MS Tuning Frequency - Performed every 24 hours for 600 series and 12 hours for 8000 Series.			✓
4.	GC/MS Calibration - Initial Calibration performed before sample analysis and continuing calibration performed within 24 hours of sample analysis for 600 series and 12 hours for 8000 series.			✓
5.	GC/MS Calibration Requirements. The Initial Calibration met the requirements. The Continuous Calibration File ID VX047309.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.			✓
6.	Blank Contamination - If yes, list compounds and concentrations in each blank:		✓	
7.	Surrogate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable ranges. The Surrogate recoveries were met for all analysis except for TW-82H-S [Toluene-d8 - 79%], TW-82H-SRE [1,2-Dichloroethane-d4 - 119%], TW-82H-W [Toluene-d8 - 75%], TW-82H-WRE [1,2-Dichloroethane-d4 - 124%] TW-BP-S [1,2-Dichloroethane-d4 - 143%, 4-Bromofluorobenzene - 135%, Dibromofluoromethane - 142%, Toluene-d8 - 122%], TW-BP-SRE [1,2-Dichloroethane-d4 - 119%] TW-518R-N [1,2-Dichloroethane-d4 - 124%], TW-518R-NRE [Toluene-d8 - 113%], TW-518R-E [1,2-Dichloroethane-d4 - 123%], TW-518R-ERE [1 and2-Dichloroethane-d4 - 119%]. Samples were reanalyzed to confirm the failure and reported.		✓	
8.	Matrix Spike/Matrix Spike Duplicate Recoveries Meet Criteria If not met, list those compounds and their recoveries which fall outside the acceptable range.			✓

GC/MS VOA CONFORMANCE/NON-CONFORMANCE SUMMARY (CONTINUED)

		NA	NO	YES
9.	Internal Standard Area/Retention Time Shift Meet Criteria			✓
	Comments:			
10.	Analysis Holding Time Met			✓
	If not met, list number of days exceeded for each sample:			

ADDITIONAL COMMENTS:

Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

The not QT review data is reported in the Miscellaneous.

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.

_____ _____

QA REVIEW Date

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2814

	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:** 08/20/2025

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LAB CHRONICLE

OrderID:	Q2814	**OrderDate:**	8/11/2025 10:31:02 AM
Client:	First Environment, Inc.	**Project:**	USACE018-44 DOD
Contact:	Al Smith	**Location:**	D31,D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2814-01	**TW-84SB-E**	**Water**			**08/05/25**			**08/08/25**
			VOC-TCLVOA-10	8260-Low			08/12/25	
Q2814-02	**TW-17M-N**	**Water**			**08/05/25**			**08/08/25**
			VOC-TCLVOA-10	8260-Low			08/12/25	
Q2814-03	**TW-17M-W**	**Water**			**08/05/25**			**08/08/25**
			VOC-TCLVOA-10	8260-Low			08/12/25	
Q2814-04	**TW-82H-N**	**Water**			**08/06/25**			**08/08/25**
			VOC-TCLVOA-10	8260-Low			08/12/25	
Q2814-05	**TW-82H-E**	**Water**			**08/06/25**			**08/08/25**
			VOC-TCLVOA-10	8260-Low			08/12/25	
Q2814-06	**TW-82H-S**	**Water**			**08/06/25**			**08/08/25**
			VOC-TCLVOA-10	8260-Low			08/12/25	
Q2814-06RE	**TW-82H-SRE**	**Water**			**08/06/25**			**08/08/25**
			VOC-TCLVOA-10	8260-Low			08/13/25	
Q2814-07	**TW-82H-W**	**Water**			**08/06/25**			**08/08/25**
			VOC-TCLVOA-10	8260-Low			08/12/25	
Q2814-07RE	**TW-82H-WRE**	**Water**			**08/06/25**			**08/08/25**
			VOC-TCLVOA-10	8260-Low			08/13/25	
Q2814-08	**TW-38M-E**	**Water**			**08/06/25**			**08/08/25**
			VOC-TCLVOA-10	8260-Low			08/12/25	
Q2814-09	**TW-38M-W**	**Water**			**08/06/25**			**08/08/25**
			VOC-TCLVOA-10	8260-Low			08/12/25	
Q2814-10	**TW-38M-N**	**Water**			**08/06/25**			**08/08/25**

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LAB CHRONICLE

			VOC-TCLVOA-10	8260-Low		08/12/25	
Q2814-11	**TW-38M-S**	**Water**			**08/06/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/12/25	
Q2814-12	**TW-BP-S**	**Water**			**08/04/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/12/25	
Q2814-12RE	**TW-BP-SRE**	**Water**			**08/04/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/13/25	
Q2814-13	**TW-BP-N**	**Water**			**08/04/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/12/25	
Q2814-14	**TW-BP-E**	**Water**			**08/04/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/12/25	
Q2814-15	**TW-BP-W**	**Water**			**08/04/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/12/25	
Q2814-16	**FB**	**Water**			**08/04/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/13/25	
Q2814-17	**TW-518R-S**	**Water**			**08/05/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/14/25	
Q2814-18	**TW-518R-N**	**Water**			**08/05/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/13/25	
Q2814-18RE	**TW-518R-NRE**	**Water**			**08/05/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/14/25	
Q2814-19	**TW-518R-E**	**Water**			**08/05/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/13/25	
Q2814-19RE	**TW-518R-ERE**	**Water**			**08/05/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/14/25	
Q2814-20	**TW-518R-W**	**Water**			**08/05/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/13/25	
Q2814-21	**TB**	**Water**			**08/08/25**		**08/08/25**
			VOC-TCLVOA-10	8260-Low		08/14/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2814

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TW-84SB-E**									
Q2814-01	TW-84SB-E	Water	Acetone		5.30		1.50	3.80	5.00	ug/L
Q2814-01	TW-84SB-E	Water	Carbon Disulfide		0.44	J	0.21	0.75	1.00	ug/L
			Total Voc :		5.74					
			Total Concentration:		5.74					
Client ID:	**TW-17M-N**									
Q2814-02	TW-17M-N	Water	Acetone		4.40	J	1.50	3.80	5.00	ug/L
Q2814-02	TW-17M-N	Water	Carbon Disulfide		0.65	J	0.21	0.75	1.00	ug/L
			Total Voc :		5.05					
			Total Concentration:		5.05					
Client ID:	**TW-17M-W**									
Q2814-03	TW-17M-W	Water	Acetone		4.50	J	1.50	3.80	5.00	ug/L
			Total Voc :		4.50					
			Total Concentration:		4.50					
Client ID:	**TW-82H-N**									
Q2814-04	TW-82H-N	Water	Acetone		12.4		1.50	3.80	5.00	ug/L
Q2814-04	TW-82H-N	Water	Methylene Chloride		0.31	J	0.28	0.50	1.00	ug/L
			Total Voc :		12.7					
			Total Concentration:		12.7					
Client ID:	**TW-82H-E**									
Q2814-05	TW-82H-E	Water	Acetone		9.70		1.50	3.80	5.00	ug/L
Q2814-05	TW-82H-E	Water	Carbon Disulfide		0.27	J	0.21	0.75	1.00	ug/L
Q2814-05	TW-82H-E	Water	Methyl tert-butyl Ether		0.66	J	0.16	0.50	1.00	ug/L
			Total Voc :		10.6					
			Total Concentration:		10.6					
Client ID:	**TW-82H-S**									
Q2814-06	TW-82H-S	Water	Acetone		6.00		1.50	3.80	5.00	ug/L
			Total Voc :		6.00					
			Total Concentration:		6.00					
Client ID:	**TW-82H-SRE**									
Q2814-06RE	TW-82H-SRE	Water	Acetone		9.10		1.50	3.80	5.00	ug/L
			Total Voc :		9.10					
			Total Concentration:		9.10					
Client ID:	**TW-82H-W**									
Q2814-07	TW-82H-W	Water	Acetone		5.50		1.50	3.80	5.00	ug/L
Q2814-07	TW-82H-W	Water	Carbon Disulfide		1.40		0.21	0.75	1.00	ug/L
Q2814-07	TW-82H-W	Water	Toluene		24.6		0.14	0.50	1.00	ug/L
Q2814-07	TW-82H-W	Water	Ethyl Benzene		0.34	J	0.13	0.50	1.00	ug/L
			Total Voc :		31.8					
Q2814-07	TW-82H-W	Water	Sulfur dioxide	*	94.6	J	0		0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2814

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
			Total Tics :		94.6					
			Total Concentration:		126					
Client ID:	**TW-82H-WRE**									
Q2814-07RE	TW-82H-WRE	Water	Acetone		17.3		1.50	3.80	5.00	ug/L
Q2814-07RE	TW-82H-WRE	Water	Carbon Disulfide		2.00		0.21	0.75	1.00	ug/L
Q2814-07RE	TW-82H-WRE	Water	Methylene Chloride		0.42	J	0.28	0.50	1.00	ug/L
Q2814-07RE	TW-82H-WRE	Water	Toluene		38.8		0.14	0.50	1.00	ug/L
Q2814-07RE	TW-82H-WRE	Water	Ethyl Benzene		0.44	J	0.13	0.50	1.00	ug/L
			Total Voc :		59.0					
			Total Concentration:		59.0					
Client ID:	**TW-38M-E**									
Q2814-08	TW-38M-E	Water	Acetone		4.00	J	1.50	3.80	5.00	ug/L
Q2814-08	TW-38M-E	Water	Carbon Disulfide		0.50	J	0.21	0.75	1.00	ug/L
Q2814-08	TW-38M-E	Water	Methylene Chloride		0.28	J	0.28	0.50	1.00	ug/L
			Total Voc :		4.78					
Q2814-08	TW-38M-E	Water	Sulfur dioxide	*	7.30	J	0		0	ug/L
			Total Tics :		7.30					
			Total Concentration:		12.1					
Client ID:	**TW-38M-W**									
Q2814-09	TW-38M-W	Water	Acetone		4.90	J	1.50	3.80	5.00	ug/L
Q2814-09	TW-38M-W	Water	Carbon Disulfide		0.45	J	0.21	0.75	1.00	ug/L
Q2814-09	TW-38M-W	Water	Methylene Chloride		0.30	J	0.28	0.50	1.00	ug/L
			Total Voc :		5.65					
			Total Concentration:		5.65					
Client ID:	**TW-38M-N**									
Q2814-10	TW-38M-N	Water	Acetone		4.40	J	1.50	3.80	5.00	ug/L
Q2814-10	TW-38M-N	Water	Carbon Disulfide		0.36	J	0.21	0.75	1.00	ug/L
			Total Voc :		4.76					
			Total Concentration:		4.76					
Client ID:	**TW-38M-S**									
Q2814-11	TW-38M-S	Water	Acetone		4.70	J	1.50	3.80	5.00	ug/L
Q2814-11	TW-38M-S	Water	Methylene Chloride		0.34	J	0.28	0.50	1.00	ug/L
			Total Voc :		5.04					
			Total Concentration:		5.04					
Client ID:	**TW-BP-S**									
Q2814-12	TW-BP-S	Water	Acetone		16.5		1.50	3.80	5.00	ug/L
Q2814-12	TW-BP-S	Water	Carbon Disulfide		0.73	J	0.21	0.75	1.00	ug/L
Q2814-12	TW-BP-S	Water	Toluene		0.33	J	0.14	0.50	1.00	ug/L
			Total Voc :		17.6					
			Total Concentration:		17.6					

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Hit Summary Sheet
SW-846

SDG No.: Q2814

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Client ID:	**TW-BP-SRE**									
Q2814-12RE	TW-BP-SRE	Water	Acetone		7.80		1.50	3.80	5.00	ug/L
			Total Voc :		7.80					
			Total Concentration:		7.80					
Client ID:	**TW-BP-N**									
Q2814-13	TW-BP-N	Water	Acetone		9.90		1.50	3.80	5.00	ug/L
			Total Voc :		9.90					
			Total Concentration:		9.90					
Client ID:	**TW-BP-E**									
Q2814-14	TW-BP-E	Water	Acetone		6.60		1.50	3.80	5.00	ug/L
			Total Voc :		6.60					
			Total Concentration:		6.60					
Client ID:	**TW-BP-W**									
Q2814-15	TW-BP-W	Water	Acetone		6.00		1.50	3.80	5.00	ug/L
			Total Voc :		6.00					
			Total Concentration:		6.00					
Client ID:	**FB**									
Q2814-16	FB	Water	Acetone		6.30		1.50	3.80	5.00	ug/L
			Total Voc :		6.30					
			Total Concentration:		6.30					
Client ID:	**TW-518R-S**									
Q2814-17	TW-518R-S	Water	Acetone		7.60		1.50	3.80	5.00	ug/L
Q2814-17	TW-518R-S	Water	Carbon Disulfide		0.94	J	0.21	0.75	1.00	ug/L
			Total Voc :		8.54					
			Total Concentration:		8.54					
Client ID:	**TW-518R-N**									
Q2814-18	TW-518R-N	Water	Acetone		8.80		1.50	3.80	5.00	ug/L
Q2814-18	TW-518R-N	Water	Carbon Disulfide		0.69	J	0.21	0.75	1.00	ug/L
Q2814-18	TW-518R-N	Water	Methylene Chloride		0.38	J	0.28	0.50	1.00	ug/L
			Total Voc :		9.87					
Q2814-18	TW-518R-N	Water	Sulfur dioxide	*	8.60	J	0		0	ug/L
			Total Tics :		8.60					
			Total Concentration:		18.5					
Client ID:	**TW-518R-NRE**									
Q2814-18RE	TW-518R-NRE	Water	Acetone		7.20		1.50	3.80	5.00	ug/L
Q2814-18RE	TW-518R-NRE	Water	Carbon Disulfide		0.50	J	0.21	0.75	1.00	ug/L
			Total Voc :		7.70					
			Total Concentration:		7.70					
Client ID:	**TW-518R-E**									
Q2814-19	TW-518R-E	Water	Acetone		6.40		1.50	3.80	5.00	ug/L
Q2814-19	TW-518R-E	Water	Carbon Disulfide		1.70		0.21	0.75	1.00	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q2814

Client: First Environment, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	LOD	RDL	Units
Q2814-19	TW-518R-E	Water	Methylene Chloride		0.43	J	0.28	0.50	1.00	ug/L
			Total Voc :		8.53					
Q2814-19	TW-518R-E	Water	Sulfur dioxide	*	210	J	0		0	ug/L
			Total Tics :		210					
			Total Concentration:		219					
Client ID:	**TW-518R-ERE**									
Q2814-19RE	TW-518R-ERE	Water	Acetone		5.20		1.50	3.80	5.00	ug/L
Q2814-19RE	TW-518R-ERE	Water	Carbon Disulfide		1.90		0.21	0.75	1.00	ug/L
			Total Voc :		7.10					
			Total Concentration:		7.10					
Client ID:	**TW-518R-W**									
Q2814-20	TW-518R-W	Water	Acetone		8.00		1.50	3.80	5.00	ug/L
Q2814-20	TW-518R-W	Water	Carbon Disulfide		0.81	J	0.21	0.75	1.00	ug/L
Q2814-20	TW-518R-W	Water	Methyl tert-butyl Ether		0.49	J	0.16	0.50	1.00	ug/L
Q2814-20	TW-518R-W	Water	Methylene Chloride		0.33	J	0.28	0.50	1.00	ug/L
			Total Voc :		9.63					
Q2814-20	TW-518R-W	Water	Sulfur dioxide	*	70.5	J	0		0	ug/L
			Total Tics :		70.5					
			Total Concentration:		80.1					
Client ID:	**TB**									
Q2814-21	TB	Water	Acetone		3.60	J	1.50	3.80	5.00	ug/L
			Total Voc :		3.60					
			Total Concentration:		3.60					

QC SUMMARY

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

SDG No.: Q2814

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2814-01	TW-84SB-E	1,2-Dichloroethane-d4	50	50.2	100		81	118
		Dibromofluoromethane	50	50.9	102		80	119
		Toluene-d8	50	45.0	90		89	112
		4-Bromofluorobenzene	50	50.6	101		85	114
Q2814-02	TW-17M-N	1,2-Dichloroethane-d4	50	54.2	108		81	118
		Dibromofluoromethane	50	49.7	99		80	119
		Toluene-d8	50	55.6	111		89	112
		4-Bromofluorobenzene	50	54.0	108		85	114
Q2814-03	TW-17M-W	1,2-Dichloroethane-d4	50	49.9	100		81	118
		Dibromofluoromethane	50	52.2	104		80	119
		Toluene-d8	50	45.6	91		89	112
		4-Bromofluorobenzene	50	51.4	103		85	114
Q2814-04	TW-82H-N	1,2-Dichloroethane-d4	50	50.1	100		81	118
		Dibromofluoromethane	50	52.6	105		80	119
		Toluene-d8	50	46.0	92		89	112
		4-Bromofluorobenzene	50	51.5	103		85	114
Q2814-05	TW-82H-E	1,2-Dichloroethane-d4	50	48.0	96		81	118
		Dibromofluoromethane	50	50.7	101		80	119
		Toluene-d8	50	44.5	89		89	112
		4-Bromofluorobenzene	50	50.6	101		85	114
Q2814-06	TW-82H-S	1,2-Dichloroethane-d4	50	43.1	86		81	118
		Dibromofluoromethane	50	45.4	91		80	119
		Toluene-d8	50	39.5	79	*	89	112
		4-Bromofluorobenzene	50	44.2	88		85	114
Q2814-06RE	TW-82H-SRE	1,2-Dichloroethane-d4	50	59.8	119	*	81	118
		Dibromofluoromethane	50	57.3	114		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	55.5	111		85	114
Q2814-07	TW-82H-W	1,2-Dichloroethane-d4	50	42.2	84		81	118
		Dibromofluoromethane	50	43.3	86		80	119
		Toluene-d8	50	37.6	75	*	89	112
		4-Bromofluorobenzene	50	42.7	85		85	114
Q2814-07RE	TW-82H-WRE	1,2-Dichloroethane-d4	50	62.2	124	*	81	118
		Dibromofluoromethane	50	57.6	115		80	119
		Toluene-d8	50	47.5	95		89	112
		4-Bromofluorobenzene	50	55.6	111		85	114
Q2814-08	TW-38M-E	1,2-Dichloroethane-d4	50	51.2	102		81	118
		Dibromofluoromethane	50	53.0	106		80	119
		Toluene-d8	50	45.8	92		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114
Q2814-09	TW-38M-W	1,2-Dichloroethane-d4	50	52.7	105		81	118
		Dibromofluoromethane	50	54.4	109		80	119
		Toluene-d8	50	47.7	95		89	112
		4-Bromofluorobenzene	50	53.1	106		85	114
Q2814-10	TW-38M-N	1,2-Dichloroethane-d4	50	50.1	100		81	118
		Dibromofluoromethane	50	51.7	103		80	119
		Toluene-d8	50	45.1	90		89	112
		4-Bromofluorobenzene	50	50.3	101		85	114
Q2814-11	TW-38M-S	1,2-Dichloroethane-d4	50	54.0	108		81	118
		Dibromofluoromethane	50	55.4	111		80	119

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Surrogate Summary

SDG No.: Q2814

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2814-11	TW-38M-S	Toluene-d8	50	48.4	97		89	112
		4-Bromofluorobenzene	50	53.9	108		85	114
Q2814-12	TW-BP-S	1,2-Dichloroethane-d4	50	71.5	143	*	81	118
		Dibromofluoromethane	50	71.3	142	*	80	119
		Toluene-d8	50	60.9	122	*	89	112
		4-Bromofluorobenzene	50	67.5	135	*	85	114
Q2814-12RE	TW-BP-SRE	1,2-Dichloroethane-d4	50	59.6	119	*	81	118
		Dibromofluoromethane	50	57.5	115		80	119
		Toluene-d8	50	48.3	97		89	112
		4-Bromofluorobenzene	50	55.1	110		85	114
Q2814-13	TW-BP-N	1,2-Dichloroethane-d4	50	52.5	105		81	118
		Dibromofluoromethane	50	54.3	109		80	119
		Toluene-d8	50	46.2	92		89	112
		4-Bromofluorobenzene	50	52.1	104		85	114
Q2814-14	TW-BP-E	1,2-Dichloroethane-d4	50	50.3	101		81	118
		Dibromofluoromethane	50	52.9	106		80	119
		Toluene-d8	50	46.0	92		89	112
		4-Bromofluorobenzene	50	51.2	102		85	114
Q2814-15	TW-BP-W	1,2-Dichloroethane-d4	50	50.9	102		81	118
		Dibromofluoromethane	50	52.1	104		80	119
		Toluene-d8	50	45.0	90		89	112
		4-Bromofluorobenzene	50	51.0	102		85	114
Q2814-16	FB	1,2-Dichloroethane-d4	50	56.7	113		81	118
		Dibromofluoromethane	50	55.1	110		80	119
		Toluene-d8	50	46.3	93		89	112
		4-Bromofluorobenzene	50	53.2	106		85	114
Q2814-17	TW-518R-S	1,2-Dichloroethane-d4	50	55.7	111		81	118
		Dibromofluoromethane	50	49.6	99		80	119
		Toluene-d8	50	55.0	110		89	112
		4-Bromofluorobenzene	50	53.4	107		85	114
Q2814-18	TW-518R-N	1,2-Dichloroethane-d4	50	62.0	124	*	81	118
		Dibromofluoromethane	50	56.7	113		80	119
		Toluene-d8	50	46.4	93		89	112
		4-Bromofluorobenzene	50	53.8	108		85	114
Q2814-18RE	TW-518R-NRE	1,2-Dichloroethane-d4	50	58.3	117		81	118
		Dibromofluoromethane	50	50.1	100		80	119
		Toluene-d8	50	56.5	113	*	89	112
		4-Bromofluorobenzene	50	54.7	109		85	114
Q2814-19	TW-518R-E	1,2-Dichloroethane-d4	50	61.3	123	*	81	118
		Dibromofluoromethane	50	55.7	111		80	119
		Toluene-d8	50	45.6	91		89	112
		4-Bromofluorobenzene	50	53.3	107		85	114
Q2814-19RE	TW-518R-ERE	1,2-Dichloroethane-d4	50	59.5	119	*	81	118
		Dibromofluoromethane	50	49.6	99		80	119
		Toluene-d8	50	54.3	109		89	112
		4-Bromofluorobenzene	50	54.2	108		85	114
Q2814-20	TW-518R-W	1,2-Dichloroethane-d4	50	58.0	116		81	118
		Dibromofluoromethane	50	54.0	108		80	119
		Toluene-d8	50	44.9	90		89	112
		4-Bromofluorobenzene	50	50.1	100		85	114

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Surrogate Summary

SDG No.: Q2814

Client: First Environment, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2814-21	TB	1,2-Dichloroethane-d4	50	57.1	114		81	118
		Dibromofluoromethane	50	50.3	101		80	119
		Toluene-d8	50	55.0	110		89	112
		4-Bromofluorobenzene	50	51.8	104		85	114
VX0812WBL02	VX0812WBL02	1,2-Dichloroethane-d4	50	55.8	112		81	118
		Dibromofluoromethane	50	49.5	99		80	119
		Toluene-d8	50	55.1	110		89	112
		4-Bromofluorobenzene	50	53.2	106		85	114
VX0812WBS01	VX0812WBS01	1,2-Dichloroethane-d4	50	47.0	94		81	118
		Dibromofluoromethane	50	50.5	101		80	119
		Toluene-d8	50	44.5	89		89	112
		4-Bromofluorobenzene	50	48.2	96		85	114
VX0812WBSD0	VX0812WBSD01	1,2-Dichloroethane-d4	50	48.9	98		81	118
		Dibromofluoromethane	50	51.1	102		80	119
		Toluene-d8	50	45.3	91		89	112
		4-Bromofluorobenzene	50	51.3	103		85	114
VX0813WBL01	VX0813WBL01	1,2-Dichloroethane-d4	50	57.9	116		81	118
		Dibromofluoromethane	50	56.7	113		80	119
		Toluene-d8	50	47.1	94		89	112
		4-Bromofluorobenzene	50	53.6	107		85	114
VX0813WBS01	VX0813WBS01	1,2-Dichloroethane-d4	50	54.7	109		81	118
		Dibromofluoromethane	50	55.7	111		80	119
		Toluene-d8	50	48.4	97		89	112
		4-Bromofluorobenzene	50	54.4	109		85	114
VX0814WBL01	VX0814WBL01	1,2-Dichloroethane-d4	50	57.0	114		81	118
		Dibromofluoromethane	50	50.3	101		80	119
		Toluene-d8	50	54.9	110		89	112
		4-Bromofluorobenzene	50	52.8	106		85	114
VX0814WBS02	VX0814WBS02	1,2-Dichloroethane-d4	50	56.5	113		81	118
		Dibromofluoromethane	50	57.6	115		80	119
		Toluene-d8	50	48.0	96		89	112
		4-Bromofluorobenzene	50	56.2	112		85	114

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2814 **Analytical Method:** SW8260-Low

Client: First Environment, Inc. **Datafile :** VX047288.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0812WBS01	Dichlorodifluoromethane	20	19.7	ug/L	99			32	152	
	Chloromethane	20	17.6	ug/L	88			50	139	
	Vinyl chloride	20	18.9	ug/L	95			58	137	
	Bromomethane	20	17.5	ug/L	88			53	141	
	Chloroethane	20	17.3	ug/L	86			60	138	
	Trichlorofluoromethane	20	19.2	ug/L	96			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.2	ug/L	91			70	136	
	1,1-Dichloroethene	20	18.3	ug/L	92			71	131	
	Acetone	100	88.0	ug/L	88			39	160	
	Carbon disulfide	20	18.2	ug/L	91			64	133	
	Methyl tert-butyl Ether	20	19.1	ug/L	96			71	124	
	Methyl Acetate	20	20.5	ug/L	103			56	136	
	Methylene Chloride	20	18.7	ug/L	94			74	124	
	trans-1,2-Dichloroethene	20	18.4	ug/L	92			75	124	
	1,1-Dichloroethane	20	18.3	ug/L	92			77	125	
	Cyclohexane	20	17.4	ug/L	87			71	130	
	2-Butanone	100	88.4	ug/L	88			56	143	
	Carbon Tetrachloride	20	18.3	ug/L	92			72	136	
	cis-1,2-Dichloroethene	20	18.5	ug/L	93			78	123	
	Bromochloromethane	20	22.9	ug/L	115			78	123	
	Chloroform	20	18.5	ug/L	93			79	124	
	1,1,1-Trichloroethane	20	18.7	ug/L	94			74	131	
	Methylcyclohexane	20	18.3	ug/L	92			72	132	
	Benzene	20	18.7	ug/L	94			79	120	
	1,2-Dichloroethane	20	19.0	ug/L	95			73	128	
	Trichloroethene	20	18.4	ug/L	92			79	123	
	1,2-Dichloropropane	20	18.6	ug/L	93			78	122	
	Bromodichloromethane	20	18.6	ug/L	93			79	125	
	4-Methyl-2-Pentanone	100	97.7	ug/L	98			67	130	
	Toluene	20	18.8	ug/L	94			80	121	
	t-1,3-Dichloropropene	20	17.9	ug/L	90			73	127	
	cis-1,3-Dichloropropene	20	18.4	ug/L	92			75	124	
	1,1,2-Trichloroethane	20	19.4	ug/L	97			80	119	
	2-Hexanone	100	100	ug/L	100			57	139	
	Dibromochloromethane	20	19.2	ug/L	96			74	126	
	1,2-Dibromoethane	20	18.7	ug/L	94			77	121	
	Tetrachloroethene	20	18.2	ug/L	91			74	129	
	Chlorobenzene	20	18.6	ug/L	93			82	118	
	Ethyl Benzene	20	18.5	ug/L	93			79	121	
	m/p-Xylenes	40	37.2	ug/L	93			80	121	
	o-Xylene	20	18.8	ug/L	94			78	122	
	Styrene	20	19.2	ug/L	96			78	123	
	Bromoform	20	19.2	ug/L	96			66	130	
	Isopropylbenzene	20	17.9	ug/L	90			72	131	
	1,1,2,2-Tetrachloroethane	20	18.8	ug/L	94			71	121	
	1,3-Dichlorobenzene	20	18.4	ug/L	92			80	119	
	1,4-Dichlorobenzene	20	18.3	ug/L	92			79	118	
	1,2-Dichlorobenzene	20	18.4	ug/L	92			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2814**	**Analytical Method:**	**SW8260-Low**
Client:	**First Environment, Inc.**	**Datafile :**	VX047288.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0812WBS01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93			62	128	
	1,2,4-Trichlorobenzene	20	18.8	ug/L	94			69	130	
	1,2,3-Trichlorobenzene	20	18.6	ug/L	93			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2814 **Analytical Method:** SW8260-Low

Client: First Environment, Inc. **Datafile :** VX047292.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0812WBSD01	Dichlorodifluoromethane	20	20.3	ug/L	102	3		32	152	20
	Chloromethane	20	17.6	ug/L	88	0		50	139	20
	Vinyl chloride	20	19.5	ug/L	98	3		58	137	20
	Bromomethane	20	18.3	ug/L	92	4		53	141	20
	Chloroethane	20	17.6	ug/L	88	2		60	138	20
	Trichlorofluoromethane	20	19.4	ug/L	97	1		65	141	20
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96	5		70	136	20
	1,1-Dichloroethene	20	19.2	ug/L	96	4		71	131	20
	Acetone	100	94.3	ug/L	94	7		39	160	20
	Carbon disulfide	20	18.4	ug/L	92	1		64	133	20
	Methyl tert-butyl Ether	20	19.5	ug/L	98	2		71	124	20
	Methyl Acetate	20	20.0	ug/L	100	3		56	136	20
	Methylene Chloride	20	19.5	ug/L	98	4		74	124	20
	trans-1,2-Dichloroethene	20	19.4	ug/L	97	5		75	124	20
	1,1-Dichloroethane	20	19.4	ug/L	97	5		77	125	20
	Cyclohexane	20	18.9	ug/L	95	9		71	130	20
	2-Butanone	100	91.1	ug/L	91	3		56	143	20
	Carbon Tetrachloride	20	18.8	ug/L	94	2		72	136	20
	cis-1,2-Dichloroethene	20	19.2	ug/L	96	3		78	123	20
	Bromochloromethane	20	23.9	ug/L	119	3		78	123	20
	Chloroform	20	19.8	ug/L	99	6		79	124	20
	1,1,1-Trichloroethane	20	19.2	ug/L	96	2		74	131	20
	Methylcyclohexane	20	18.3	ug/L	92	0		72	132	20
	Benzene	20	19.4	ug/L	97	3		79	120	20
	1,2-Dichloroethane	20	19.4	ug/L	97	2		73	128	20
	Trichloroethene	20	19.1	ug/L	96	4		79	123	20
	1,2-Dichloropropane	20	18.9	ug/L	95	2		78	122	20
	Bromodichloromethane	20	19.1	ug/L	96	3		79	125	20
	4-Methyl-2-Pentanone	100	98.7	ug/L	99	1		67	130	20
	Toluene	20	19.9	ug/L	100	6		80	121	20
	t-1,3-Dichloropropene	20	18.2	ug/L	91	1		73	127	20
	cis-1,3-Dichloropropene	20	19.2	ug/L	96	4		75	124	20
	1,1,2-Trichloroethane	20	19.7	ug/L	99	2		80	119	20
	2-Hexanone	100	100	ug/L	100	0		57	139	20
	Dibromochloromethane	20	19.5	ug/L	98	2		74	126	20
	1,2-Dibromoethane	20	19.2	ug/L	96	2		77	121	20
	Tetrachloroethene	20	18.7	ug/L	94	3		74	129	20
	Chlorobenzene	20	19.2	ug/L	96	3		82	118	20
	Ethyl Benzene	20	19.1	ug/L	96	3		79	121	20
	m/p-Xylenes	40	38.9	ug/L	97	4		80	121	20
	o-Xylene	20	19.6	ug/L	98	4		78	122	20
	Styrene	20	19.6	ug/L	98	2		78	123	20
	Bromoform	20	19.2	ug/L	96	0		66	130	20
	Isopropylbenzene	20	18.2	ug/L	91	1		72	131	20
	1,1,2,2-Tetrachloroethane	20	18.4	ug/L	92	2		71	121	20
	1,3-Dichlorobenzene	20	17.9	ug/L	90	2		80	119	20
	1,4-Dichlorobenzene	20	18.3	ug/L	92	0		79	118	20
	1,2-Dichlorobenzene	20	18.3	ug/L	92	0		80	119	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2814**	**Analytical Method:**	**SW8260-Low**
Client:	**First Environment, Inc.**	**Datafile :**	VX047292.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0812WBSD01	1,2-Dibromo-3-Chloropropane	20	18.6	ug/L	93	0		62	128	20
	1,2,4-Trichlorobenzene	20	17.3	ug/L	86	9		69	130	20
	1,2,3-Trichlorobenzene	20	17.5	ug/L	88	6		69	129	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2814 **Analytical Method:** SW8260-Low

Client: First Environment, Inc. **Datafile :** VX047312.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0813WBS01	Dichlorodifluoromethane	20	18.9	ug/L	95			32	152	
	Chloromethane	20	19.3	ug/L	97			50	139	
	Vinyl chloride	20	20.5	ug/L	103			58	137	
	Bromomethane	20	19.2	ug/L	96			53	141	
	Chloroethane	20	19.2	ug/L	96			60	138	
	Trichlorofluoromethane	20	19.4	ug/L	97			65	141	
	1,1,2-Trichlorotrifluoroethane	20	18.7	ug/L	94			70	136	
	1,1-Dichloroethene	20	20.0	ug/L	100			71	131	
	Acetone	100	110	ug/L	110			39	160	
	Carbon disulfide	20	18.9	ug/L	95			64	133	
	Methyl tert-butyl Ether	20	22.2	ug/L	111			71	124	
	Methyl Acetate	20	25.3	ug/L	127			56	136	
	Methylene Chloride	20	22.0	ug/L	110			74	124	
	trans-1,2-Dichloroethene	20	20.5	ug/L	103			75	124	
	1,1-Dichloroethane	20	21.1	ug/L	106			77	125	
	Cyclohexane	20	17.8	ug/L	89			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	19.2	ug/L	96			72	136	
	cis-1,2-Dichloroethene	20	20.9	ug/L	104			78	123	
	Bromochloromethane	20	23.8	ug/L	119			78	123	
	Chloroform	20	21.5	ug/L	108			79	124	
	1,1,1-Trichloroethane	20	20.4	ug/L	102			74	131	
	Methylcyclohexane	20	16.9	ug/L	85			72	132	
	Benzene	20	20.7	ug/L	104			79	120	
	1,2-Dichloroethane	20	22.0	ug/L	110			73	128	
	Trichloroethene	20	19.6	ug/L	98			79	123	
	1,2-Dichloropropane	20	20.7	ug/L	104			78	122	
	Bromodichloromethane	20	21.2	ug/L	106			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	20.6	ug/L	103			80	121	
	t-1,3-Dichloropropene	20	19.7	ug/L	99			73	127	
	cis-1,3-Dichloropropene	20	20.4	ug/L	102			75	124	
	1,1,2-Trichloroethane	20	22.2	ug/L	111			80	119	
	2-Hexanone	100	120	ug/L	120			57	139	
	Dibromochloromethane	20	21.8	ug/L	109			74	126	
	1,2-Dibromoethane	20	22.0	ug/L	110			77	121	
	Tetrachloroethene	20	19.3	ug/L	97			74	129	
	Chlorobenzene	20	20.1	ug/L	101			82	118	
	Ethyl Benzene	20	19.6	ug/L	98			79	121	
	m/p-Xylenes	40	40.4	ug/L	101			80	121	
	o-Xylene	20	20.1	ug/L	101			78	122	
	Styrene	20	20.7	ug/L	104			78	123	
	Bromoform	20	21.1	ug/L	106			66	130	
	Isopropylbenzene	20	18.9	ug/L	95			72	131	
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106			71	121	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			80	119	
	1,4-Dichlorobenzene	20	19.9	ug/L	100			79	118	
	1,2-Dichlorobenzene	20	19.8	ug/L	99			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2814 **Analytical Method:** SW8260-Low

Client: First Environment, Inc. **Datafile :** VX047312.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0813WBS01	1,2-Dibromo-3-Chloropropane	20	21.1	ug/L	106			62	128	
	1,2,4-Trichlorobenzene	20	19.4	ug/L	97			69	130	
	1,2,3-Trichlorobenzene	20	18.6	ug/L	93			69	129	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2814 **Analytical Method:** SW8260-Low

Client: First Environment, Inc. **Datafile :** VX047342.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0814WBS02	Dichlorodifluoromethane	20	17.2	ug/L	86			32	152	
	Chloromethane	20	16.4	ug/L	82			50	139	
	Vinyl chloride	20	17.5	ug/L	88			58	137	
	Bromomethane	20	15.6	ug/L	78			53	141	
	Chloroethane	20	16.9	ug/L	85			60	138	
	Trichlorofluoromethane	20	17.2	ug/L	86			65	141	
	1,1,2-Trichlorotrifluoroethane	20	17.2	ug/L	86			70	136	
	1,1-Dichloroethene	20	17.6	ug/L	88			71	131	
	Acetone	100	120	ug/L	120			39	160	
	Carbon disulfide	20	16.2	ug/L	81			64	133	
	Methyl tert-butyl Ether	20	20.7	ug/L	104			71	124	
	Methyl Acetate	20	24.0	ug/L	120			56	136	
	Methylene Chloride	20	19.3	ug/L	97			74	124	
	trans-1,2-Dichloroethene	20	19.1	ug/L	96			75	124	
	1,1-Dichloroethane	20	19.1	ug/L	96			77	125	
	Cyclohexane	20	16.1	ug/L	81			71	130	
	2-Butanone	100	110	ug/L	110			56	143	
	Carbon Tetrachloride	20	16.9	ug/L	85			72	136	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			78	123	
	Bromochloromethane	20	21.1	ug/L	106			78	123	
	Chloroform	20	19.9	ug/L	100			79	124	
	1,1,1-Trichloroethane	20	18.5	ug/L	93			74	131	
	Methylcyclohexane	20	14.9	ug/L	75			72	132	
	Benzene	20	18.5	ug/L	93			79	120	
	1,2-Dichloroethane	20	19.7	ug/L	99			73	128	
	Trichloroethene	20	17.7	ug/L	89			79	123	
	1,2-Dichloropropane	20	18.6	ug/L	93			78	122	
	Bromodichloromethane	20	19.1	ug/L	96			79	125	
	4-Methyl-2-Pentanone	100	110	ug/L	110			67	130	
	Toluene	20	19.0	ug/L	95			80	121	
	t-1,3-Dichloropropene	20	18.1	ug/L	91			73	127	
	cis-1,3-Dichloropropene	20	18.3	ug/L	92			75	124	
	1,1,2-Trichloroethane	20	20.3	ug/L	102			80	119	
	2-Hexanone	100	120	ug/L	120			57	139	
	Dibromochloromethane	20	20.2	ug/L	101			74	126	
	1,2-Dibromoethane	20	19.8	ug/L	99			77	121	
	Tetrachloroethene	20	16.9	ug/L	85			74	129	
	Chlorobenzene	20	18.4	ug/L	92			82	118	
	Ethyl Benzene	20	17.9	ug/L	90			79	121	
	m/p-Xylenes	40	36.4	ug/L	91			80	121	
	o-Xylene	20	18.2	ug/L	91			78	122	
	Styrene	20	18.9	ug/L	95			78	123	
	Bromoform	20	19.4	ug/L	97			66	130	
	Isopropylbenzene	20	17.6	ug/L	88			72	131	
	1,1,2,2-Tetrachloroethane	20	20.5	ug/L	103			71	121	
	1,3-Dichlorobenzene	20	18.6	ug/L	93			80	119	
	1,4-Dichlorobenzene	20	18.6	ug/L	93			79	118	
	1,2-Dichlorobenzene	20	18.6	ug/L	93			80	119	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2814**	**Analytical Method:**	**SW8260-Low**
Client:	**First Environment, Inc.**	**Datafile :**	VX047342.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0814WBS02	1,2-Dibromo-3-Chloropropane	20	20.4	ug/L	102			62	128	
	1,2,4-Trichlorobenzene	20	18.1	ug/L	91			69	130	
	1,2,3-Trichlorobenzene	20	18.2	ug/L	91			69	129	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0812WBL02

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG NO.: Q2814

Lab File ID: VX047287.D | Lab Sample ID: VX0812WBL02

Date Analyzed: 08/12/2025 | Time Analyzed: 11:17

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
VX0812WBS01	VX0812WBS01	VX047288.D	08/12/2025
TW-84SB-E	Q2814-01	VX047290.D	08/12/2025
TW-17M-N	Q2814-02	VX047291.D	08/12/2025
VX0812WBSD01	VX0812WBSD01	VX047292.D	08/12/2025
TW-17M-W	Q2814-03	VX047293.D	08/12/2025
TW-82H-N	Q2814-04	VX047294.D	08/12/2025
TW-82H-E	Q2814-05	VX047295.D	08/12/2025
TW-82H-S	Q2814-06	VX047296.D	08/12/2025
TW-82H-W	Q2814-07	VX047297.D	08/12/2025
TW-38M-E	Q2814-08	VX047298.D	08/12/2025
TW-38M-W	Q2814-09	VX047299.D	08/12/2025
TW-38M-N	Q2814-10	VX047300.D	08/12/2025
TW-38M-S	Q2814-11	VX047301.D	08/12/2025
TW-BP-S	Q2814-12	VX047302.D	08/12/2025
TW-BP-N	Q2814-13	VX047303.D	08/12/2025
TW-BP-E	Q2814-14	VX047304.D	08/12/2025
TW-BP-W	Q2814-15	VX047305.D	08/12/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0813WBL01

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2814

Lab File ID: VX047311.D Lab Sample ID: VX0813WBL01

Date Analyzed: 08/13/2025 Time Analyzed: 11:02

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
VX0813WBS01	VX0813WBS01	VX047312.D	08/13/2025
TW-BP-SRE	Q2814-12RE	VX047314.D	08/13/2025
FB	Q2814-16	VX047315.D	08/13/2025
TW-82H-SRE	Q2814-06RE	VX047317.D	08/13/2025
TW-82H-WRE	Q2814-07RE	VX047318.D	08/13/2025
TW-518R-N	Q2814-18	VX047320.D	08/13/2025
TW-518R-E	Q2814-19	VX047321.D	08/13/2025
TW-518R-W	Q2814-20	VX047322.D	08/13/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VX0814WBL01

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2814

Lab File ID: VX047338.D Lab Sample ID: VX0814WBL01

Date Analyzed: 08/14/2025 Time Analyzed: 11:54

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
TB	Q2814-21	VX047339.D	08/14/2025
TW-518R-S	Q2814-17	VX047341.D	08/14/2025
VX0814WBS02	VX0814WBS02	VX047342.D	08/14/2025
TW-518R-NRE	Q2814-18RE	VX047344.D	08/14/2025
TW-518R-ERE	Q2814-19RE	VX047345.D	08/14/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: FIRS02
Lab Code: ACE
SDG NO.: Q2814
Lab File ID: VX047054.D
BFB Injection Date: 07/21/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:53
GC Column: DB-624UI ID: 0.18 (mm)
Heated Purge: Y/N N

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

1-Value is % mass 174

2-Value is % mass 176

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

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

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG NO.: Q2814

Lab File ID: VX047283.D | BFB Injection Date: 08/12/2025

Instrument ID: MSVOA_X | BFB Injection Time: 07:51

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
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	74.4
175	5.0 - 9.0% of mass 174	5.7 (7.6) 1
176	95.0 - 101.0% of mass 174	71.7 (96.3) 1
177	5.0 - 9.0% of mass 176	4.8 (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	VX047284.D	08/12/2025	09:53
VX0812WBL02	VX0812WBL02	VX047287.D	08/12/2025	11:17
VX0812WBS01	VX0812WBS01	VX047288.D	08/12/2025	11:52
TW-84SB-E	Q2814-01	VX047290.D	08/12/2025	12:43
TW-17M-N	Q2814-02	VX047291.D	08/12/2025	13:05
VX0812WBSD01	VX0812WBSD01	VX047292.D	08/12/2025	13:26
TW-17M-W	Q2814-03	VX047293.D	08/12/2025	13:51
TW-82H-N	Q2814-04	VX047294.D	08/12/2025	14:13
TW-82H-E	Q2814-05	VX047295.D	08/12/2025	14:34
TW-82H-S	Q2814-06	VX047296.D	08/12/2025	14:56
TW-82H-W	Q2814-07	VX047297.D	08/12/2025	15:18
TW-38M-E	Q2814-08	VX047298.D	08/12/2025	15:39
TW-38M-W	Q2814-09	VX047299.D	08/12/2025	16:01
TW-38M-N	Q2814-10	VX047300.D	08/12/2025	16:23
TW-38M-S	Q2814-11	VX047301.D	08/12/2025	16:44
TW-BP-S	Q2814-12	VX047302.D	08/12/2025	17:06
TW-BP-N	Q2814-13	VX047303.D	08/12/2025	17:28
TW-BP-E	Q2814-14	VX047304.D	08/12/2025	17:49

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG NO.: Q2814

Lab File ID: VX047283.D | BFB Injection Date: 08/12/2025

Instrument ID: MSVOA_X | BFB Injection Time: 07:51

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
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.8 (1) 1
174	50.0 - 100.0% of mass 95	74.4
175	5.0 - 9.0% of mass 174	5.7 (7.6) 1
176	95.0 - 101.0% of mass 174	71.7 (96.3) 1
177	5.0 - 9.0% of mass 176	4.8 (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
TW-BP-W	Q2814-15	VX047305.D	08/12/2025	18:11
VSTDCCC050EC	VSTDCCC050	VX047307.D	08/12/2025	18:54

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: FIRS02
Lab Code: ACE
SDG NO.: Q2814
Lab File ID: VX047308.D
BFB Injection Date: 08/13/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:30
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	51.6
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	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	72.3
175	5.0 - 9.0% of mass 174	5.5 (7.6) 1
176	95.0 - 101.0% of mass 174	71.1 (98.4) 1
177	5.0 - 9.0% of mass 176	4.6 (6.4) 2

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

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX047309.D	08/13/2025	09:44
VX0813WBL01	VX0813WBL01	VX047311.D	08/13/2025	11:02
VX0813WBS01	VX0813WBS01	VX047312.D	08/13/2025	11:24
TW-BP-SRE	Q2814-12RE	VX047314.D	08/13/2025	12:13
FB	Q2814-16	VX047315.D	08/13/2025	12:35
TW-82H-SRE	Q2814-06RE	VX047317.D	08/13/2025	13:18
TW-82H-WRE	Q2814-07RE	VX047318.D	08/13/2025	13:40
TW-518R-N	Q2814-18	VX047320.D	08/13/2025	14:24
TW-518R-E	Q2814-19	VX047321.D	08/13/2025	14:45
TW-518R-W	Q2814-20	VX047322.D	08/13/2025	15:07
VSTDCCC050EC	VSTDCCC050	VX047334.D	08/13/2025	19:50

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: FIRS02
Lab Code: ACE
SDG NO.: Q2814
Lab File ID: VX047335.D
BFB Injection Date: 08/14/2025
Instrument ID: MSVOA_X
BFB Injection Time: 08:54
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	52
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	71.6
175	5.0 - 9.0% of mass 174	5.7 (8) 1
176	95.0 - 101.0% of mass 174	70 (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	VX047336.D	08/14/2025	10:37
VX0814WBL01	VX0814WBL01	VX047338.D	08/14/2025	11:54
TB	Q2814-21	VX047339.D	08/14/2025	12:47
TW-518R-S	Q2814-17	VX047341.D	08/14/2025	13:58
VX0814WBS02	VX0814WBS02	VX047342.D	08/14/2025	16:15
TW-518R-NRE	Q2814-18RE	VX047344.D	08/14/2025	17:05
TW-518R-ERE	Q2814-19RE	VX047345.D	08/14/2025	17:26
VSTDCCC050EC	VSTDCCC050	VX047346.D	08/14/2025	17:48

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2814

Lab File ID: VX047284.D Date Analyzed: 08/12/2025

Instrument ID: MSVOA_X Time Analyzed: 09:53

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	222209	5.56	370615	6.76	329997	10.05
UPPER LIMIT	444418	6.056	741230	7.263	659994	10.549
LOWER LIMIT	111105	5.056	185308	6.263	164999	9.549
EPA SAMPLE NO.						
TW-84SB-E	248717	5.56	430062	6.77	385662	10.06
TW-17M-N	350869	5.56	660980	6.77	651660	10.06
TW-17M-W	250644	5.56	435165	6.77	391228	10.06
TW-82H-N	248664	5.57	420068	6.77	379296	10.06
TW-82H-E	246817	5.57	417838	6.77	379612	10.06
TW-82H-S	288206	5.57	492096	6.78	446908	10.06
TW-82H-W	362823	5.56	637261	6.77	569300	10.06
TW-38M-E	264975	5.57	454854	6.77	416219	10.06
TW-38M-W	224812	5.57	391363	6.78	352853	10.06
TW-38M-N	256738	5.57	441768	6.77	402262	10.06
TW-38M-S	217653	5.57	374811	6.78	339646	10.06
TW-BP-S	130839	5.57	231793	6.77	208120	10.06
TW-BP-N	226893	5.57	392505	6.78	356804	10.06
TW-BP-E	230820	5.57	391799	6.78	358156	10.06
TW-BP-W	226107	5.57	389996	6.78	350131	10.06
VX0812WBL02	346553	5.56	664166	6.76	641288	10.06
VX0812WBS01	266708	5.56	450165	6.76	403402	10.05
VX0812WBSD01	231626	5.57	397164	6.77	359769	10.06

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2814

Lab File ID: VX047284.D Date Analyzed: 08/12/2025

Instrument ID: MSVOA_X Time Analyzed: 09:53

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	222209	5.56	370615	6.76	329997	10.05
UPPER LIMIT	444418	6.056	741230	7.263	659994	10.549
LOWER LIMIT	111105	5.056	185308	6.263	164999	9.549
EPA SAMPLE NO.						

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2814

Lab File ID: VX047284.D Date Analyzed: 08/12/2025

Instrument ID: MSVOA_X Time Analyzed: 09:53

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

	IS4 AREA #	RT #				
12 HOUR STD	165820	12.018				
UPPER LIMIT	331640	12.518				
LOWER LIMIT	82910	11.518				
EPA SAMPLE NO.						
TW-84SB-E	200668	12.02				
TW-17M-N	322981	12.02				
TW-17M-W	200683	12.02				
TW-82H-N	196916	12.02				
TW-82H-E	196582	12.02				
TW-82H-S	228813	12.02				
TW-82H-W	291317	12.02				
TW-38M-E	208948	12.02				
TW-38M-W	180111	12.02				
TW-38M-N	205788	12.02				
TW-38M-S	176128	12.02				
TW-BP-S	106606	12.02				
TW-BP-N	179716	12.02				
TW-BP-E	181876	12.02				
TW-BP-W	180840	12.02				
VX0812WBL02	313492	12.02				
VX0812WBS01	207271	12.02				
VX0812WBSD01	187721	12.02				

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2814

Lab File ID: VX047284.D Date Analyzed: 08/12/2025

Instrument ID: MSVOA_X Time Analyzed: 09:53

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

	IS4 AREA #	RT #				
12 HOUR STD	165820	12.018				
UPPER LIMIT	331640	12.518				
LOWER LIMIT	82910	11.518				
EPA SAMPLE NO.						

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: FIRS02

Lab Code: ACE SDG NO.: Q2814

Lab File ID: VX047309.D Date Analyzed: 08/13/2025

Instrument ID: MSVOA_X Time Analyzed: 09:44

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	202458	5.56	343367	6.76	311895	10.05
UPPER LIMIT	404916	6.056	686734	7.263	623790	10.549
LOWER LIMIT	101229	5.056	171684	6.263	155948	9.549
EPA SAMPLE NO.						
TW-82H-SRE	190085	5.57	345739	6.78	321042	10.06
TW-82H-WRE	175507	5.57	326793	6.78	307131	10.06
TW-BP-SRE	179477	5.57	320322	6.77	302132	10.06
FB	198338	5.57	355555	6.78	329474	10.06
TW-518R-N	180502	5.57	338323	6.78	317215	10.06
TW-518R-E	178377	5.57	334539	6.78	311867	10.06
TW-518R-W	191995	5.57	355307	6.78	335766	10.06
VX0813WBL01	202155	5.56	360108	6.76	331541	10.06
VX0813WBS01	201153	5.57	351465	6.77	321390	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2814

Lab File ID: VX047309.D Date Analyzed: 08/13/2025

Instrument ID: MSVOA_X Time Analyzed: 09:44

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

	IS4 AREA #	RT #				
12 HOUR STD	156059	12.018				
UPPER LIMIT	312118	12.518				
LOWER LIMIT	78029.5	11.518				
EPA SAMPLE NO.						
TW-82H-SRE	164920	12.02				
TW-82H-WRE	157483	12.02				
TW-BP-SRE	155373	12.02				
FB	170270	12.02				
TW-518R-N	158976	12.02				
TW-518R-E	156454	12.02				
TW-518R-W	169163	12.02				
VX0813WBL01	172532	12.02				
VX0813WBS01	166290	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: FIRS02

Lab Code: ACE SDG NO.: Q2814

Lab File ID: VX047336.D Date Analyzed: 08/14/2025

Instrument ID: MSVOA_X Time Analyzed: 10:37

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	216185	5.56	364381	6.76	324602	10.05
UPPER LIMIT	432370	6.056	728762	7.263	649204	10.549
LOWER LIMIT	108093	5.056	182191	6.263	162301	9.549
EPA SAMPLE NO.						
TW-518R-S	230111	5.57	440338	6.77	435075	10.06
TW-518R-NRE	238899	5.57	455924	6.77	448067	10.06
TW-518R-ERE	230467	5.57	443658	6.78	448334	10.06
TB	228684	5.56	436084	6.76	425164	10.06
VX0814WBL01	213625	5.56	406583	6.76	399638	10.06
VX0814WBS02	220703	5.56	392445	6.76	359167	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG NO.: Q2814

Lab File ID: VX047336.D Date Analyzed: 08/14/2025

Instrument ID: MSVOA_X Time Analyzed: 10:37

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

	IS4 AREA #	RT #				
12 HOUR STD	163540	12.018				
UPPER LIMIT	327080	12.518				
LOWER LIMIT	81770	11.518				
EPA SAMPLE NO.						
TW-518R-S	217218	12.02				
TW-518R-NRE	229471	12.02				
TW-518R-ERE	231965	12.02				
TB	212249	12.02				
VX0814WBL01	203879	12.02				
VX0814WBS02	182232	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

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	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
VX047290.D	1	08/12/25 12:43	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	5.30		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.44	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	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
VX047290.D	1	08/12/25 12:43	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.2		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	45.0		89 - 112		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	249000	5.562				
540-36-3	1,4-Difluorobenzene	430000	6.769				
3114-55-4	Chlorobenzene-d5	386000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	201000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-84SB-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-01	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
VX047290.D	1	08/12/25 12:43	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047290.D
Acq On : 12 Aug 2025 12:43
Operator : JC/MD
Sample : Q2814-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

Quant Time: Aug 13 01:18:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

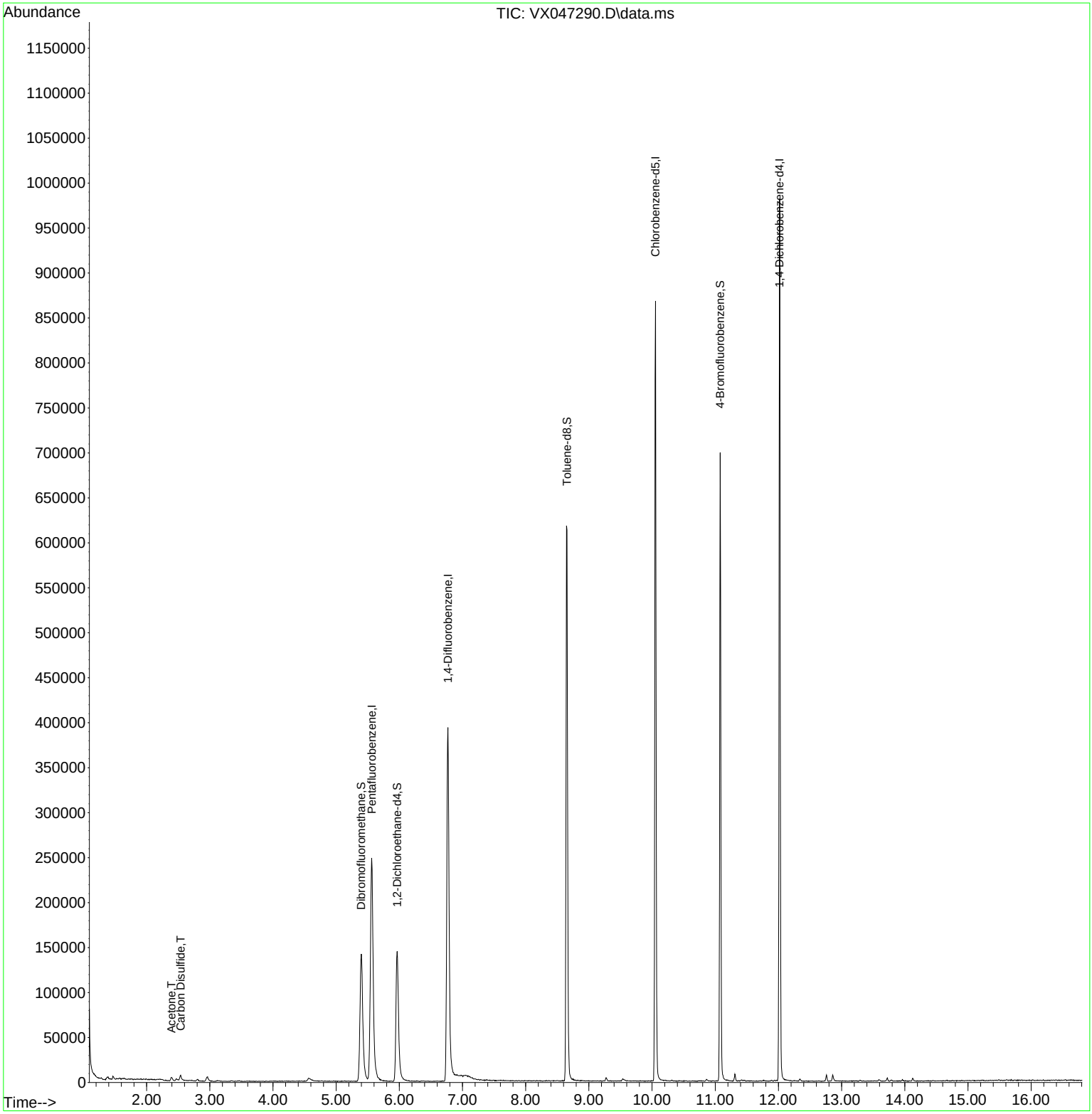
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	248717	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	430062	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	385662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	200668	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155557	50.208	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.420%			
35) Dibromofluoromethane	5.397	113	135191	50.913	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.820%			
50) Toluene-d8	8.653	98	387096	45.015	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.020%#			
62) 4-Bromofluorobenzene	11.079	95	187357	50.558	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.120%			
Target Compounds						Qvalue
16) Acetone	2.392	43	6543	5.272	ug/l	90
17) Carbon Disulfide	2.538	76	3943	0.436	ug/l #	88

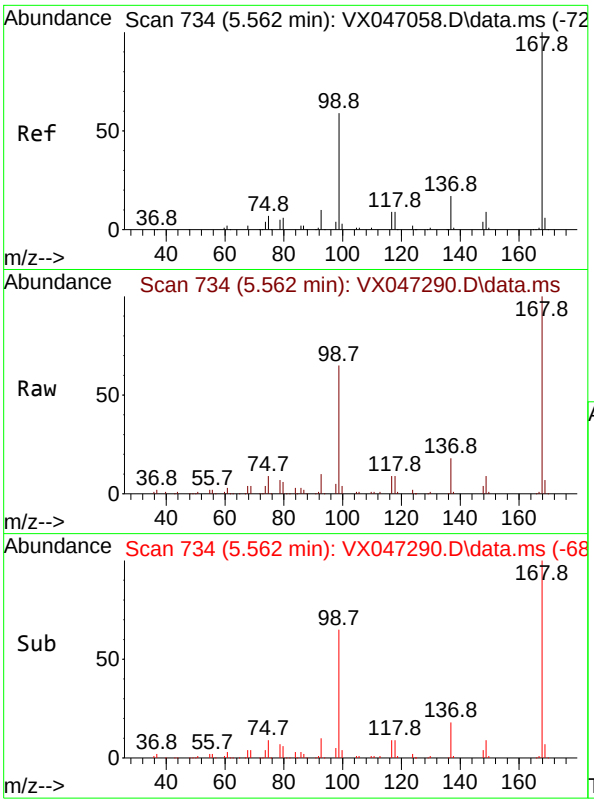
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047290.D
Acq On : 12 Aug 2025 12:43
Operator : JC/MD
Sample : Q2814-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

Quant Time: Aug 13 01:18:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



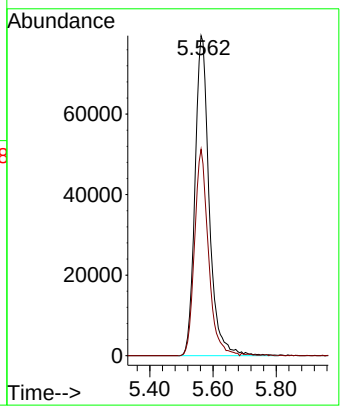


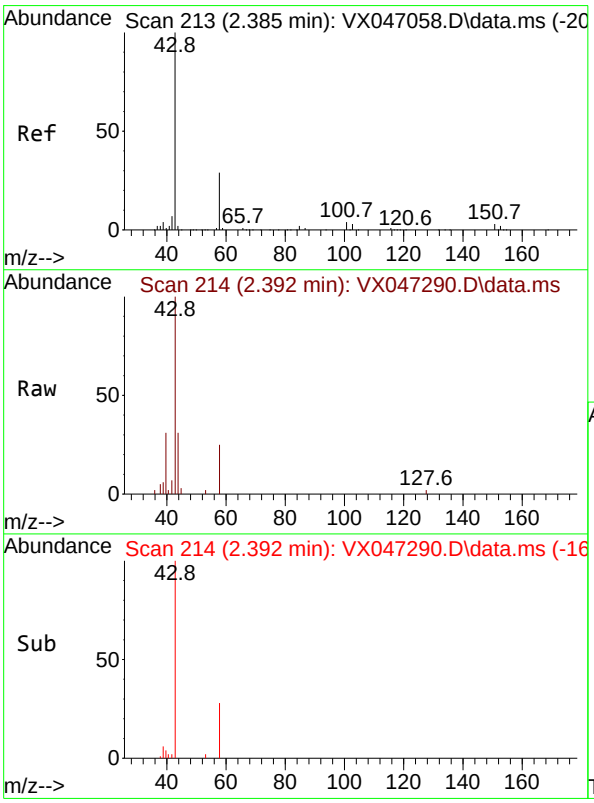
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

Tgt Ion:168 Resp: 248717

Ion	Ratio	Lower	Upper
168	100		
99	64.5	48.0	72.0

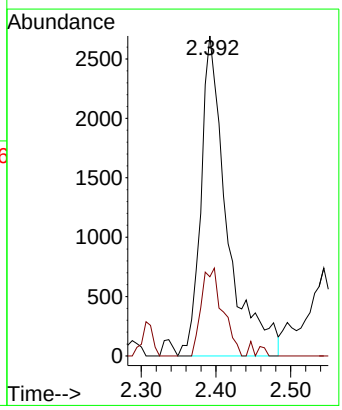


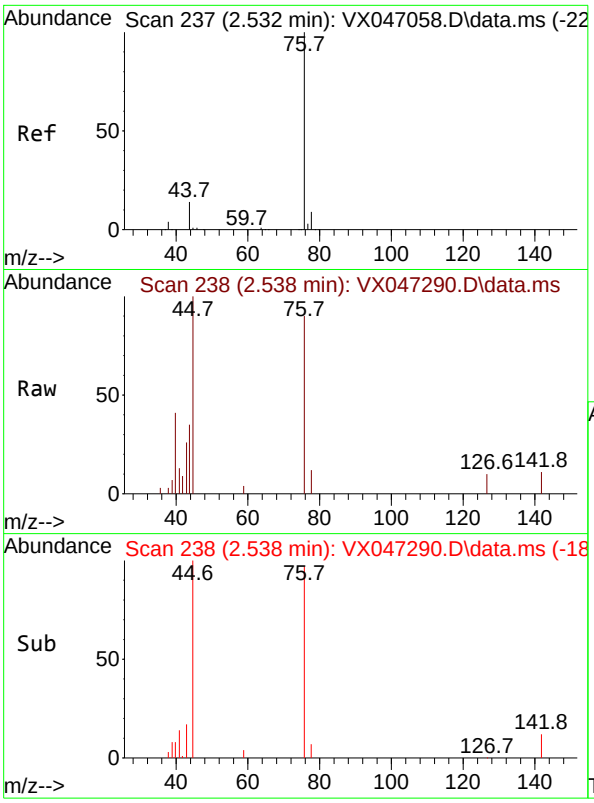


#16
Acetone
Concen: 5.272 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Tgt Ion: 43 Resp: 6543

Ion	Ratio	Lower	Upper
43	100		
58	24.8	24.0	36.0



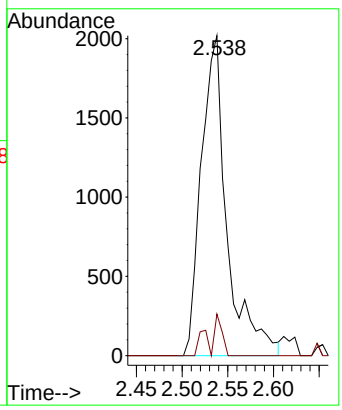


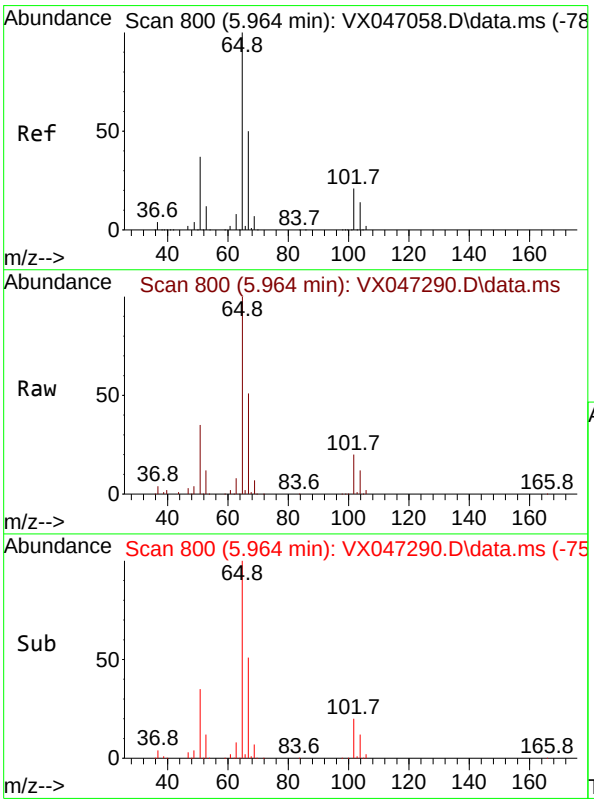
#17
Carbon Disulfide
Concen: 0.436 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

Tgt Ion: 76 Resp: 3943

Ion	Ratio	Lower	Upper
76	100		
78	13.0	7.0	10.4#

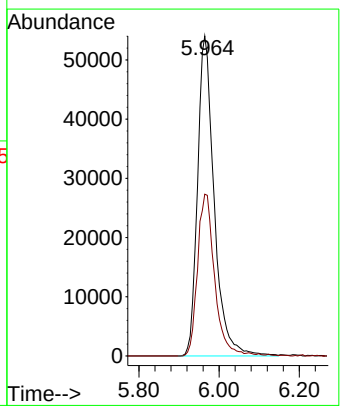


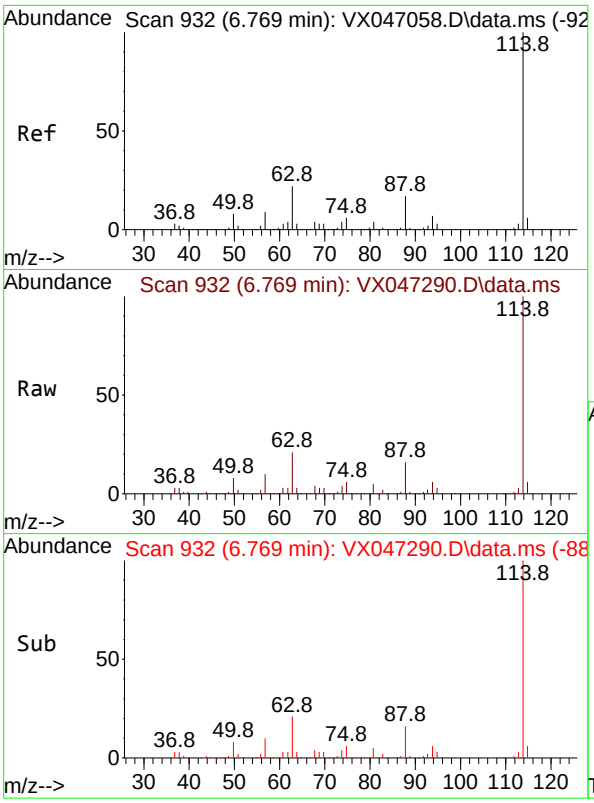


#33
1,2-Dichloroethane-d4
Concen: 50.208 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Tgt Ion: 65 Resp: 155557

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8



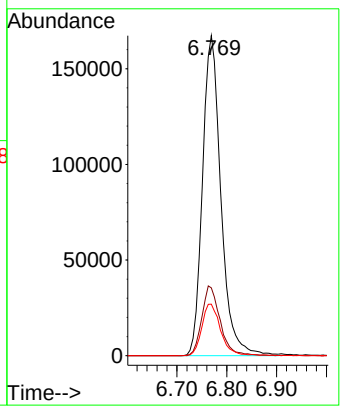


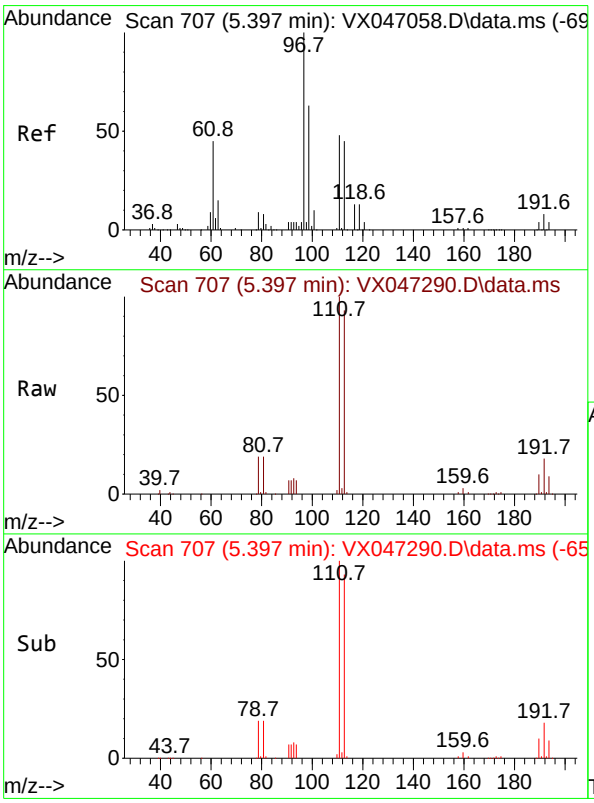
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

Tgt Ion:114 Resp: 430062

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.2
88	16.1	0.0	33.8

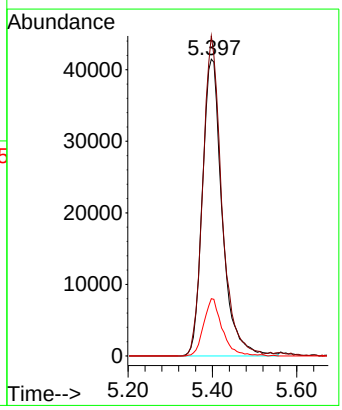


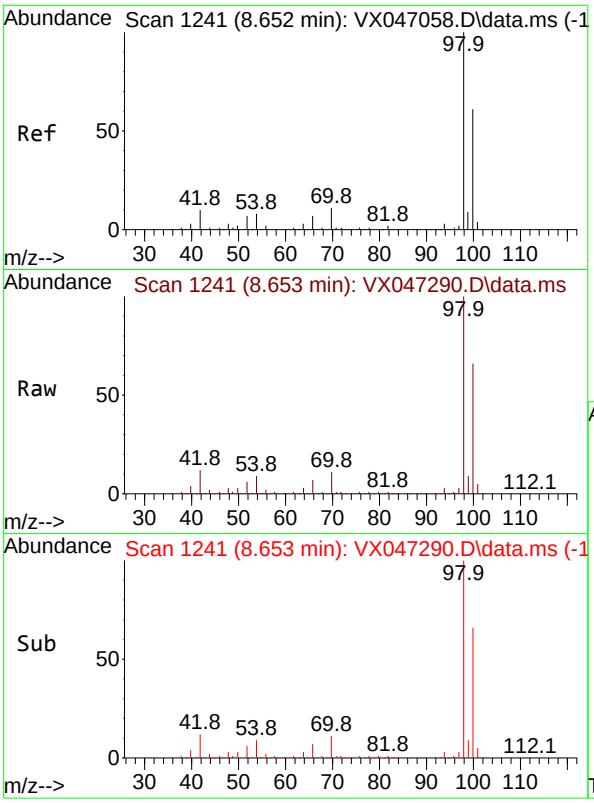


#35
Dibromofluoromethane
Concen: 50.913 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Tgt Ion:113 Resp: 135191

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	124.0
192	18.2	14.9	22.3



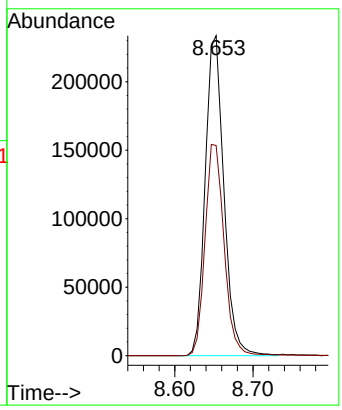


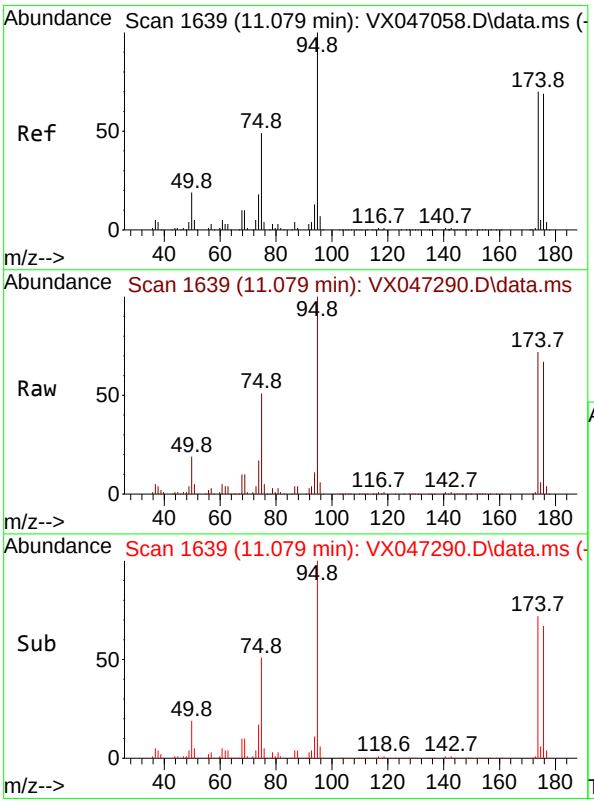
#50
Toluene-d8
Concen: 45.015 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

Tgt Ion: 98 Resp: 387096

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.3	79.9

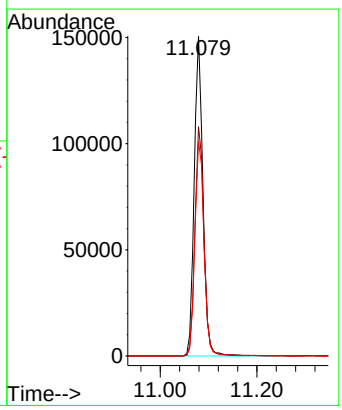


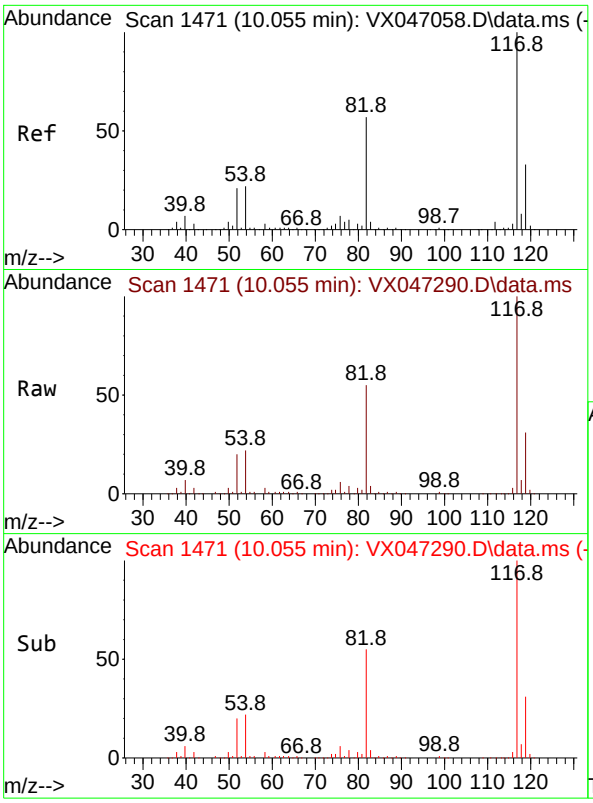


#62
4-Bromofluorobenzene
Concen: 50.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Tgt Ion: 95 Resp: 187357

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	144.6
176	70.0	0.0	139.6



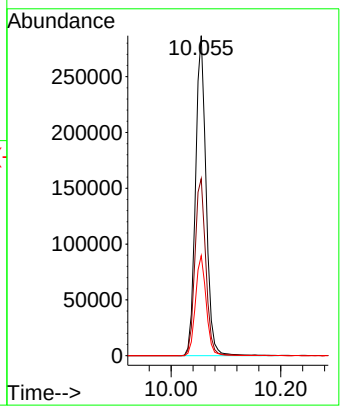


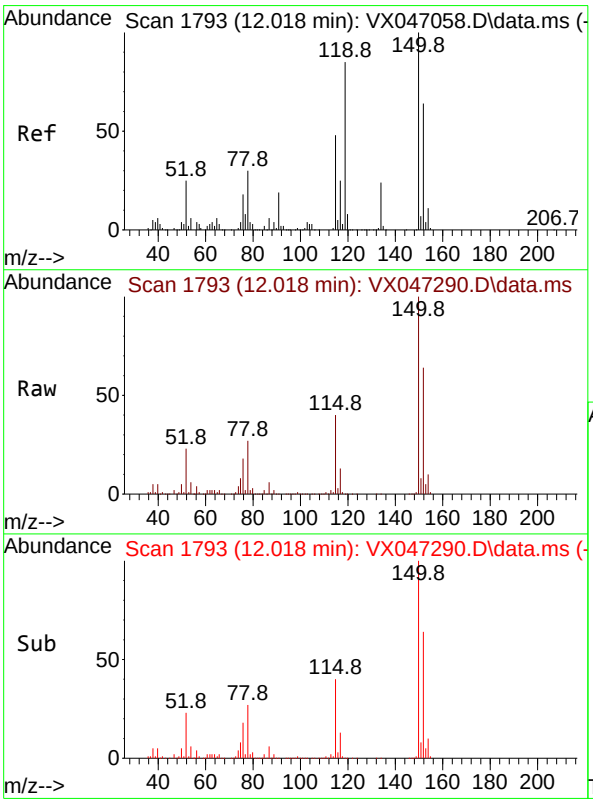
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

Tgt Ion:117 Resp: 385662

Ion	Ratio	Lower	Upper
117	100		
82	55.3	45.4	68.2
119	31.3	26.1	39.1

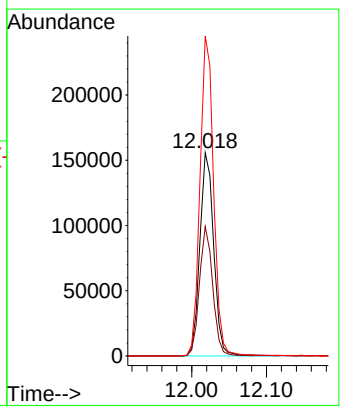




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047290.D
Acq: 12 Aug 2025 12:43

Tgt Ion:152 Resp: 200668

Ion	Ratio	Lower	Upper
152	100		
115	61.2	45.6	136.7
150	155.0	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047290.D
Acq On : 12 Aug 2025 12:43
Operator : JC/MD
Sample : Q2814-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047290.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.965	299	308	318	rBV4	5029	13176	1.06%	0.188%
2	5.397	696	707	723	rBV3	141472	444254	35.91%	6.341%
3	5.562	723	734	751	rVV	245917	744443	60.17%	10.626%
4	5.964	789	800	821	rBV2	144632	424570	34.31%	6.060%
5	6.769	922	932	946	rBV	393373	1017457	82.23%	14.522%
6	8.647	1234	1240	1254	rBV	617087	1045698	84.51%	14.926%
7	10.055	1465	1471	1485	rBV	867125	1198026	96.83%	17.100%
8	11.079	1634	1639	1655	rBV	698269	881171	71.22%	12.577%
9	12.018	1788	1793	1820	rVB	980746	1237297	100.00%	17.660%

Sum of corrected areas: 7006092

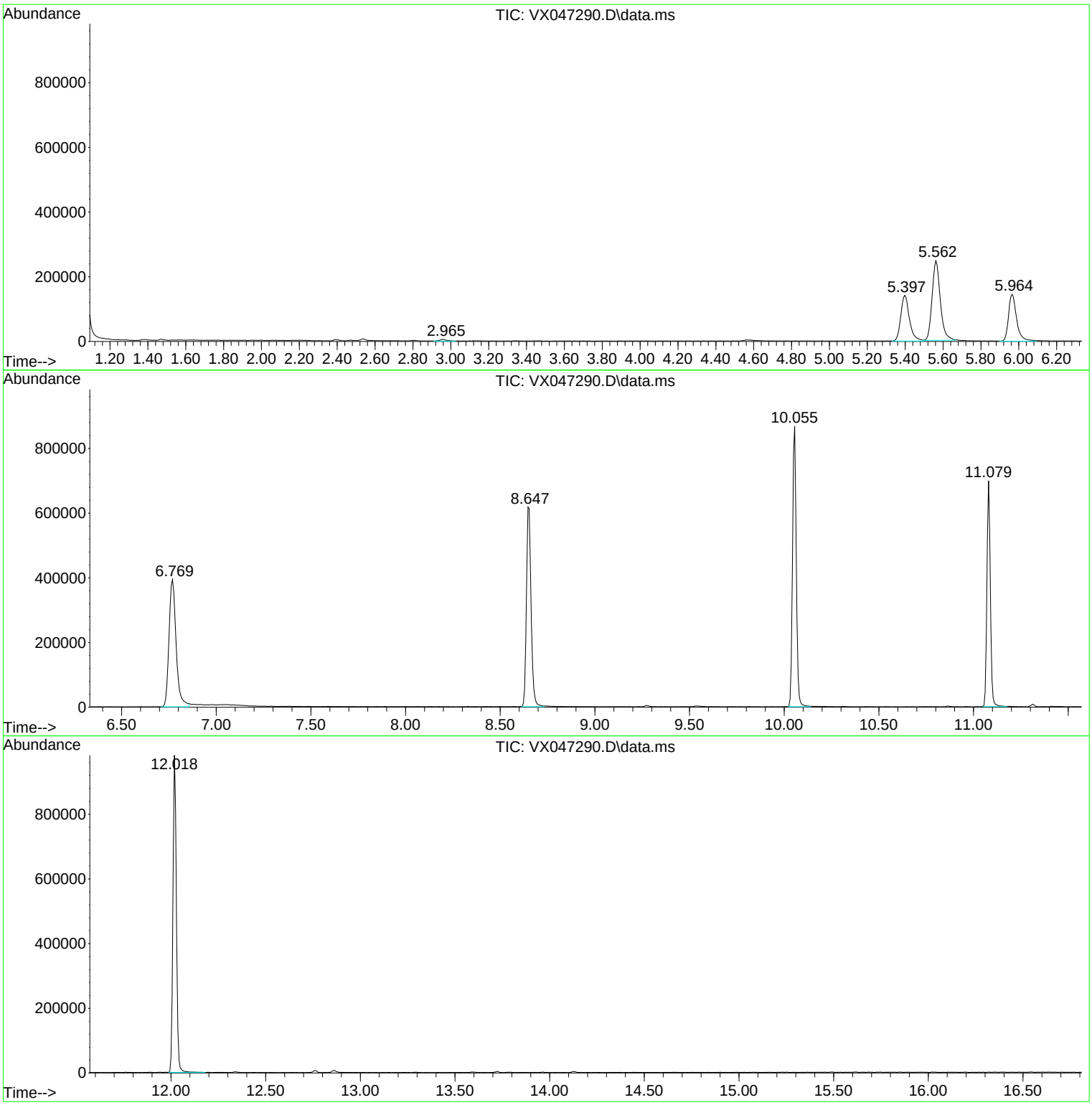
Sample Results: **VX047290.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047290.D
Acq On : 12 Aug 2025 12:43
Operator : JC/MD
Sample : Q2814-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047290.D
Acq On : 12 Aug 2025 12:43
Operator : JC/MD
Sample : Q2814-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX081225\
Data File : VX047290.D
Acq On : 12 Aug 2025 12:43
Operator : JC/MD
Sample : Q2814-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-84SB-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-02	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
VX047291.D	1	08/12/25 13:05	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.40	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.65	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-02	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
VX047291.D	1	08/12/25 13:05	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.2		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	55.6		89 - 112		111%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	351000	5.562				
540-36-3	1,4-Difluorobenzene	661000	6.769				
3114-55-4	Chlorobenzene-d5	652000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	323000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-02	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
VX047291.D	1	08/12/25 13:05	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047291.D
Acq On : 12 Aug 2025 13:05
Operator : JC/MD
Sample : Q2814-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

Quant Time: Aug 13 01:19:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

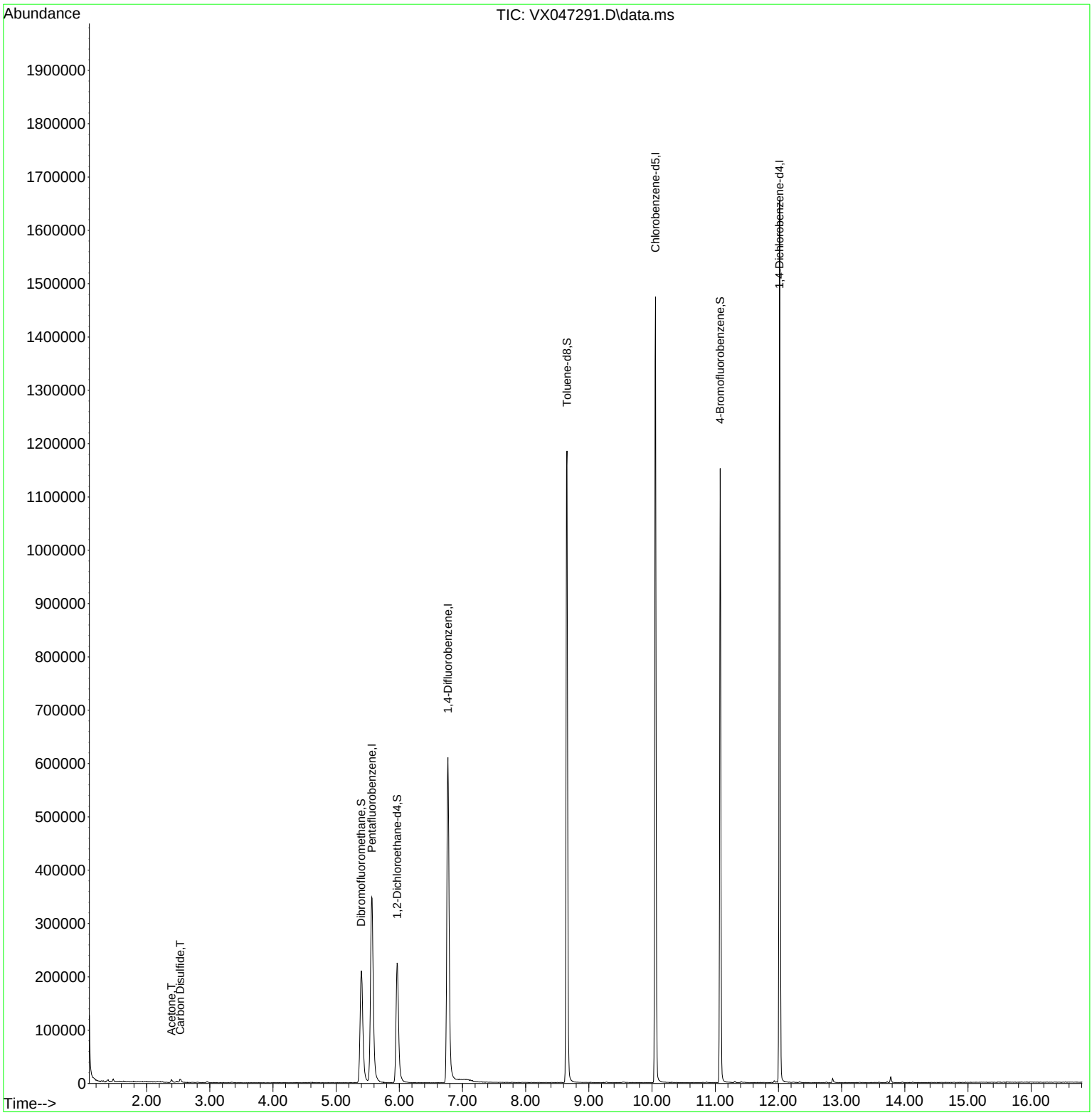
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	350869	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	660980	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	651660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	322981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	236756	54.169	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 108.340%			
35) Dibromofluoromethane	5.397	113	202948	49.729	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.460%			
50) Toluene-d8	8.653	98	734915	55.606	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 111.220%			
62) 4-Bromofluorobenzene	11.079	95	307414	53.974	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.940%			
Target Compounds						Qvalue
16) Acetone	2.392	43	7766	4.435	ug/l #	88
17) Carbon Disulfide	2.532	76	8344	0.654	ug/l	95

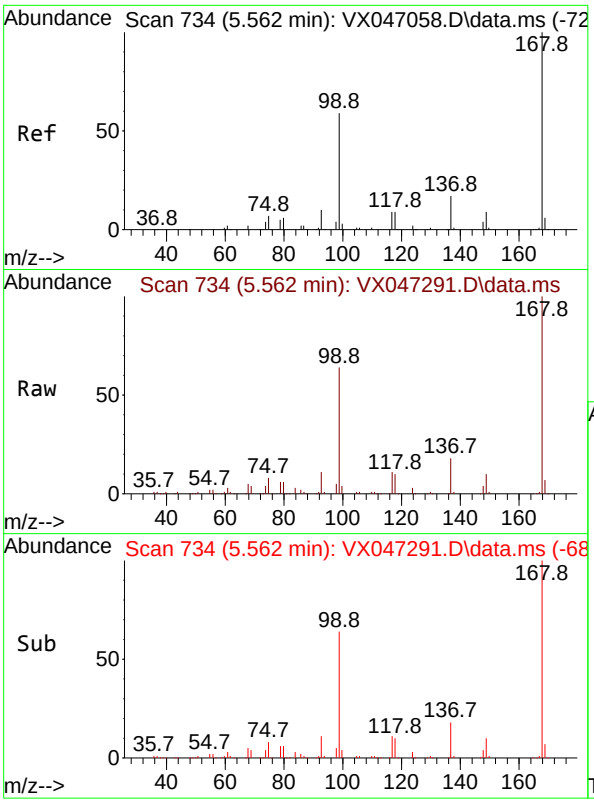
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047291.D
Acq On : 12 Aug 2025 13:05
Operator : JC/MD
Sample : Q2814-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

Quant Time: Aug 13 01:19:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



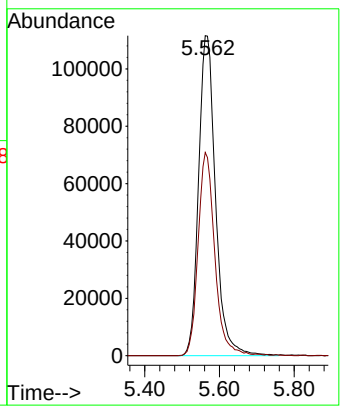


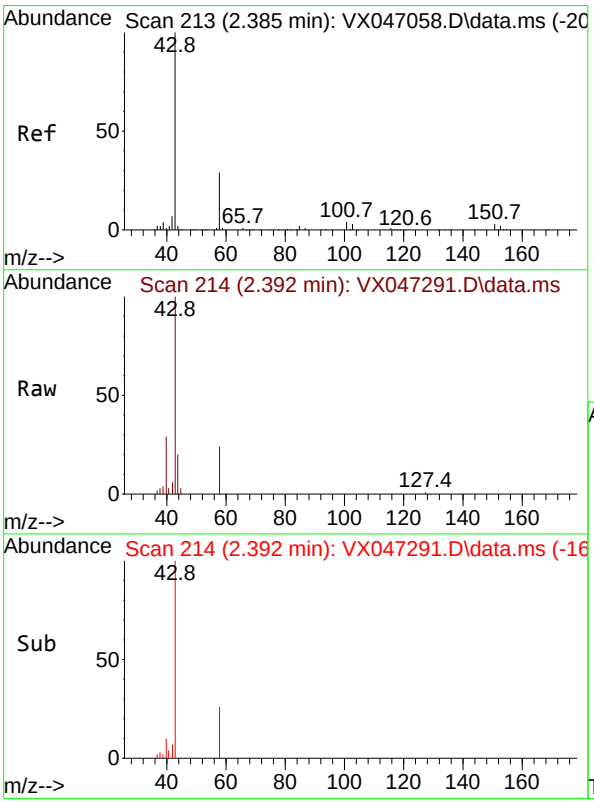
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

Tgt Ion:168 Resp: 350869

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.0	72.0

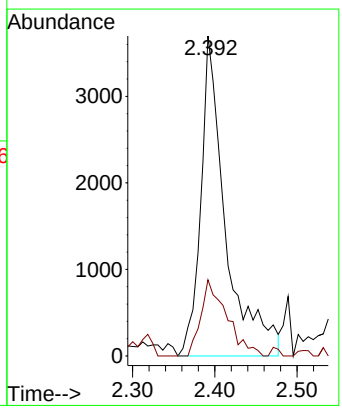


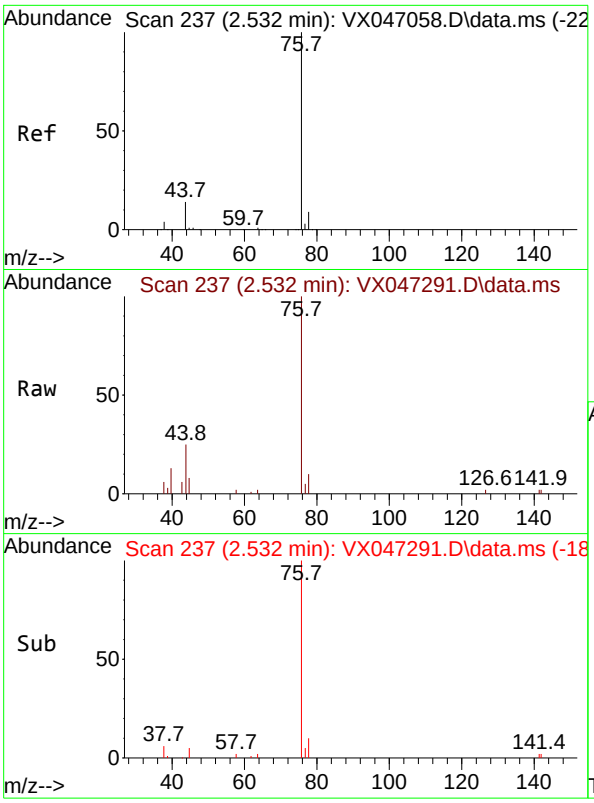


#16
Acetone
Concen: 4.435 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Tgt Ion: 43 Resp: 7766

Ion	Ratio	Lower	Upper
43	100		
58	23.3	24.0	36.0#



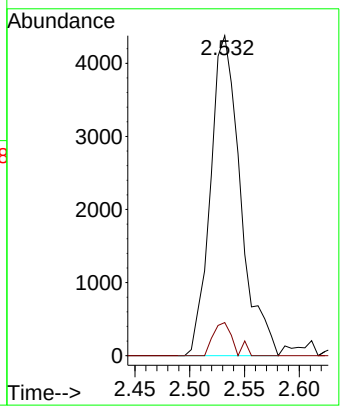


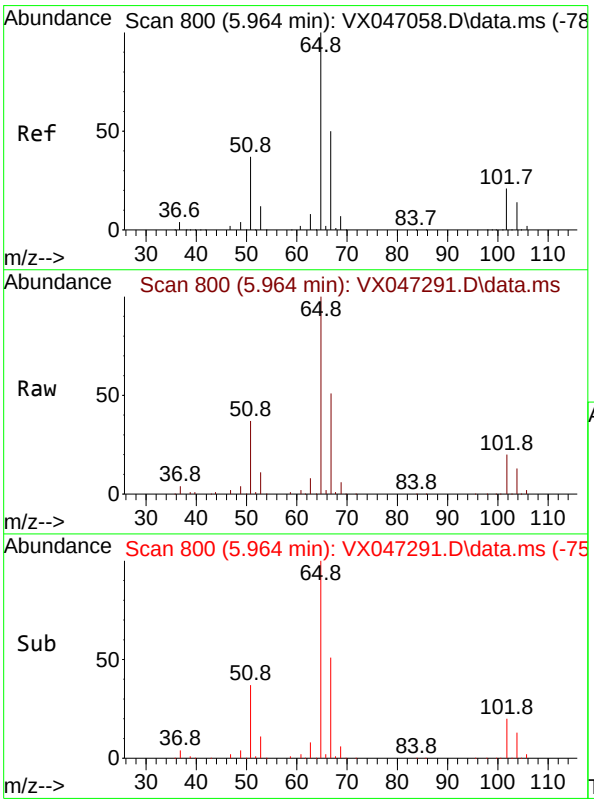
#17
Carbon Disulfide
Concen: 0.654 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

Tgt Ion: 76 Resp: 8344

Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.0	10.4

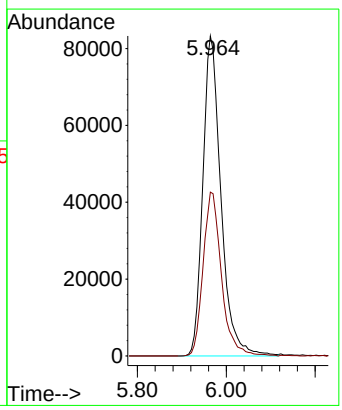


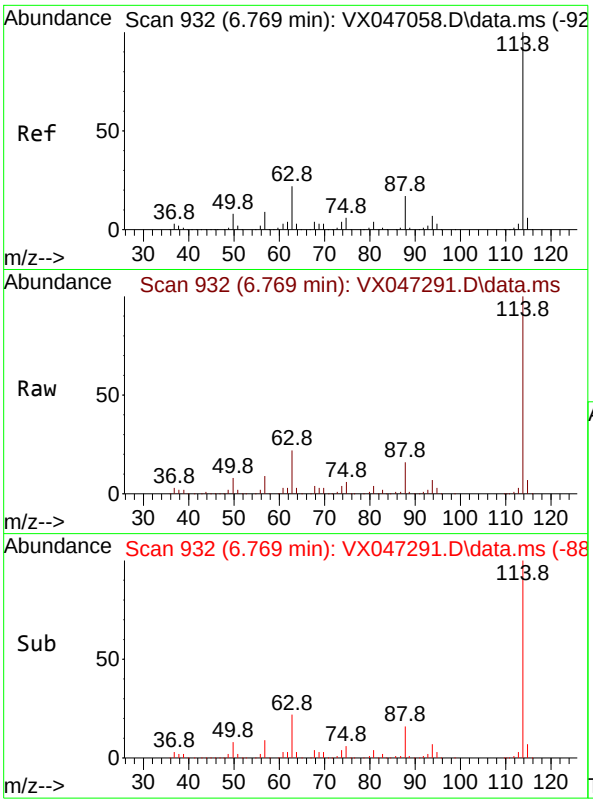


#33
1,2-Dichloroethane-d4
Concen: 54.169 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Tgt Ion: 65 Resp: 236756

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.8



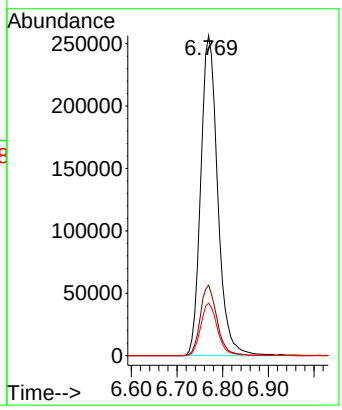


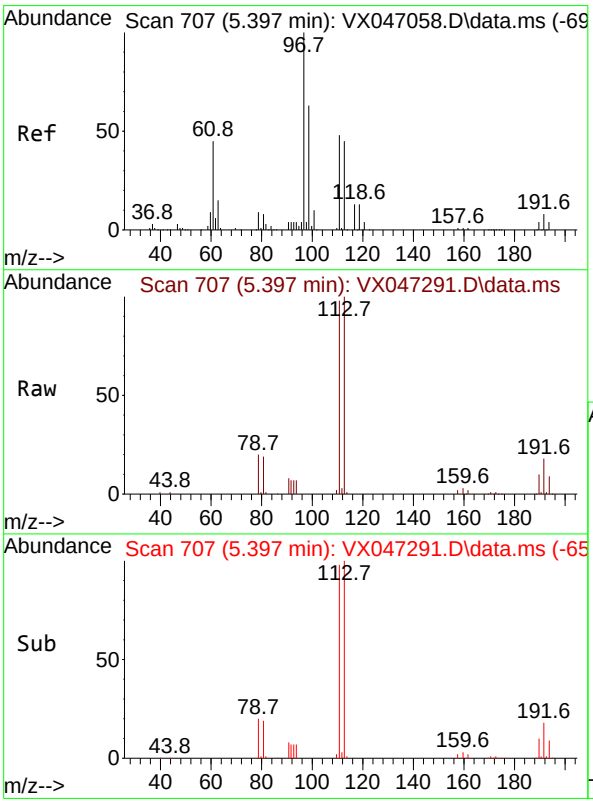
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

Tgt Ion:114 Resp: 660980

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	43.2
88	16.4	0.0	33.8

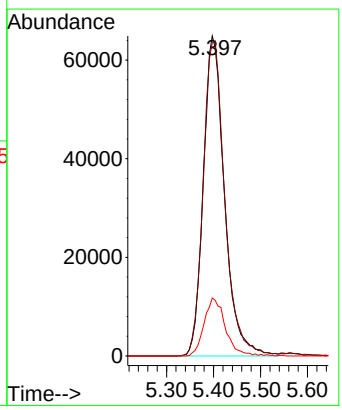


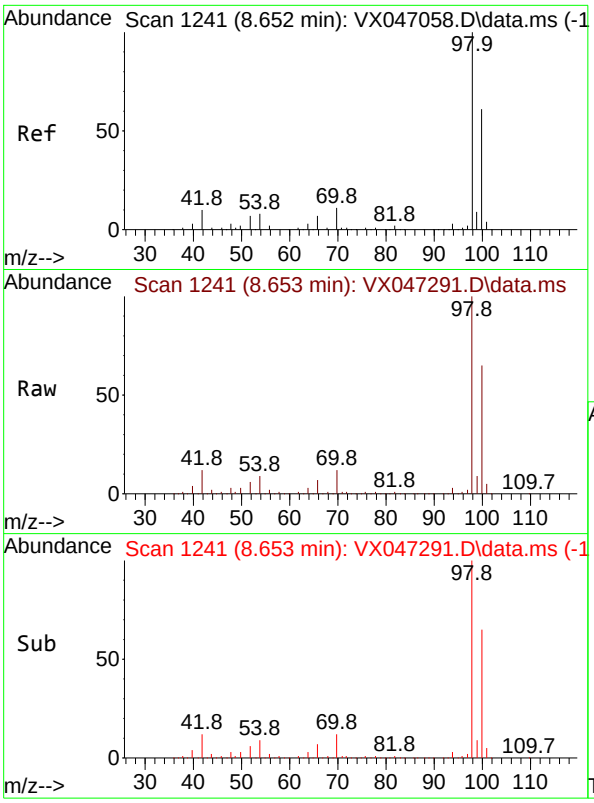


#35
Dibromofluoromethane
Concen: 49.729 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Tgt Ion:113 Resp: 202948

Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.6	124.0
192	18.2	14.9	22.3



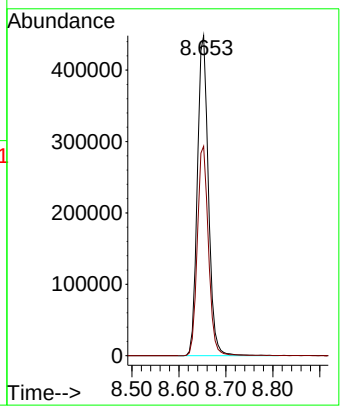


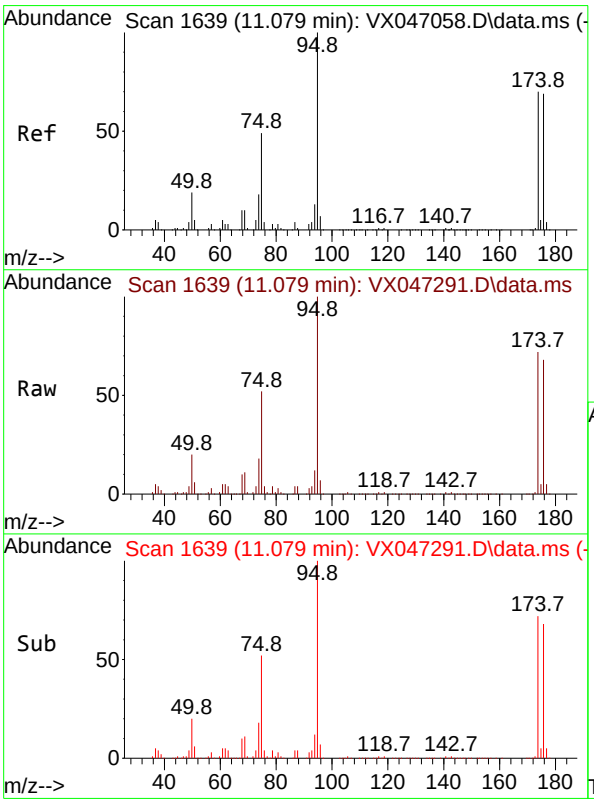
#50
Toluene-d8
Concen: 55.606 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

Tgt Ion: 98 Resp: 734915

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.3	79.9

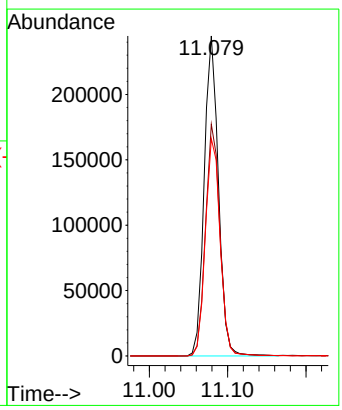


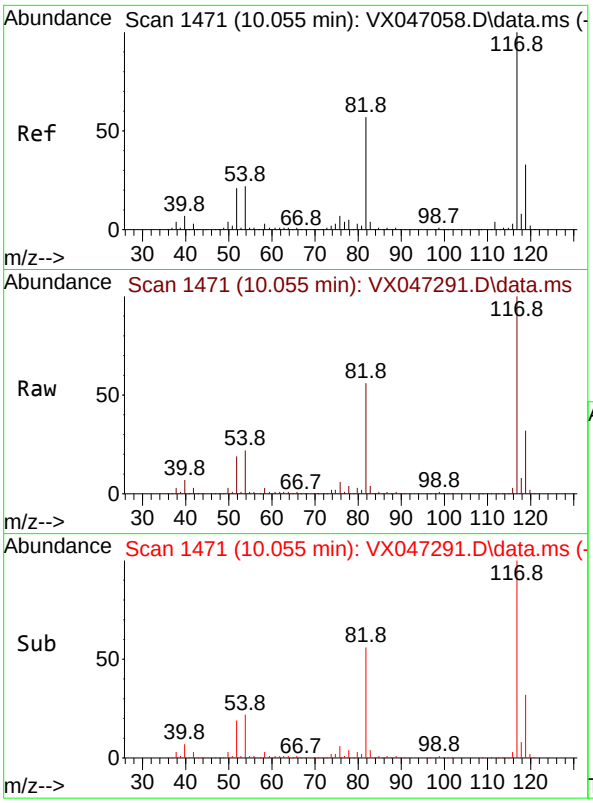


#62
4-Bromofluorobenzene
Concen: 53.974 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Tgt Ion: 95 Resp: 307414

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	144.6
176	70.5	0.0	139.6



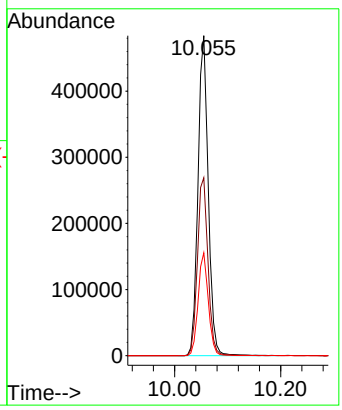


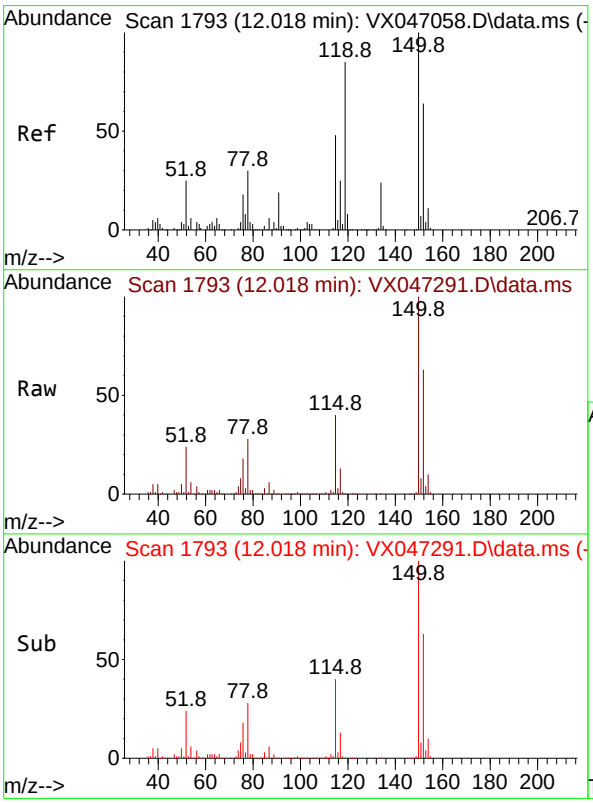
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

Tgt Ion:117 Resp: 651660

Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.4	68.2
119	32.1	26.1	39.1

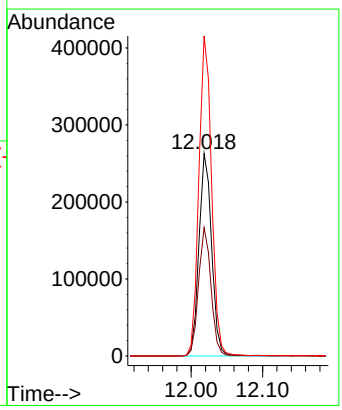




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047291.D
Acq: 12 Aug 2025 13:05

Tgt Ion:152 Resp: 322981

Ion	Ratio	Lower	Upper
152	100		
115	62.4	45.6	136.7
150	158.7	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047291.D
Acq On : 12 Aug 2025 13:05
Operator : JC/MD
Sample : Q2814-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047291.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.397	695	707	723	rBV2	210218	659340	32.58%	5.769%
2	5.562	724	734	760	rVB	347649	1081490	53.44%	9.463%
3	5.964	788	800	823	rBV	225196	647678	32.01%	5.667%
4	6.769	922	932	954	rBV	610304	1582935	78.22%	13.850%
5	8.653	1234	1241	1260	rBV	1184436	1966988	97.20%	17.211%
6	10.055	1465	1471	1488	rBV	1473421	2023605	100.00%	17.706%
7	11.079	1634	1639	1651	rBV	1151768	1456120	71.96%	12.741%
8	12.018	1788	1793	1804	rBV	1654223	2010619	99.36%	17.593%

Sum of corrected areas: 11428775

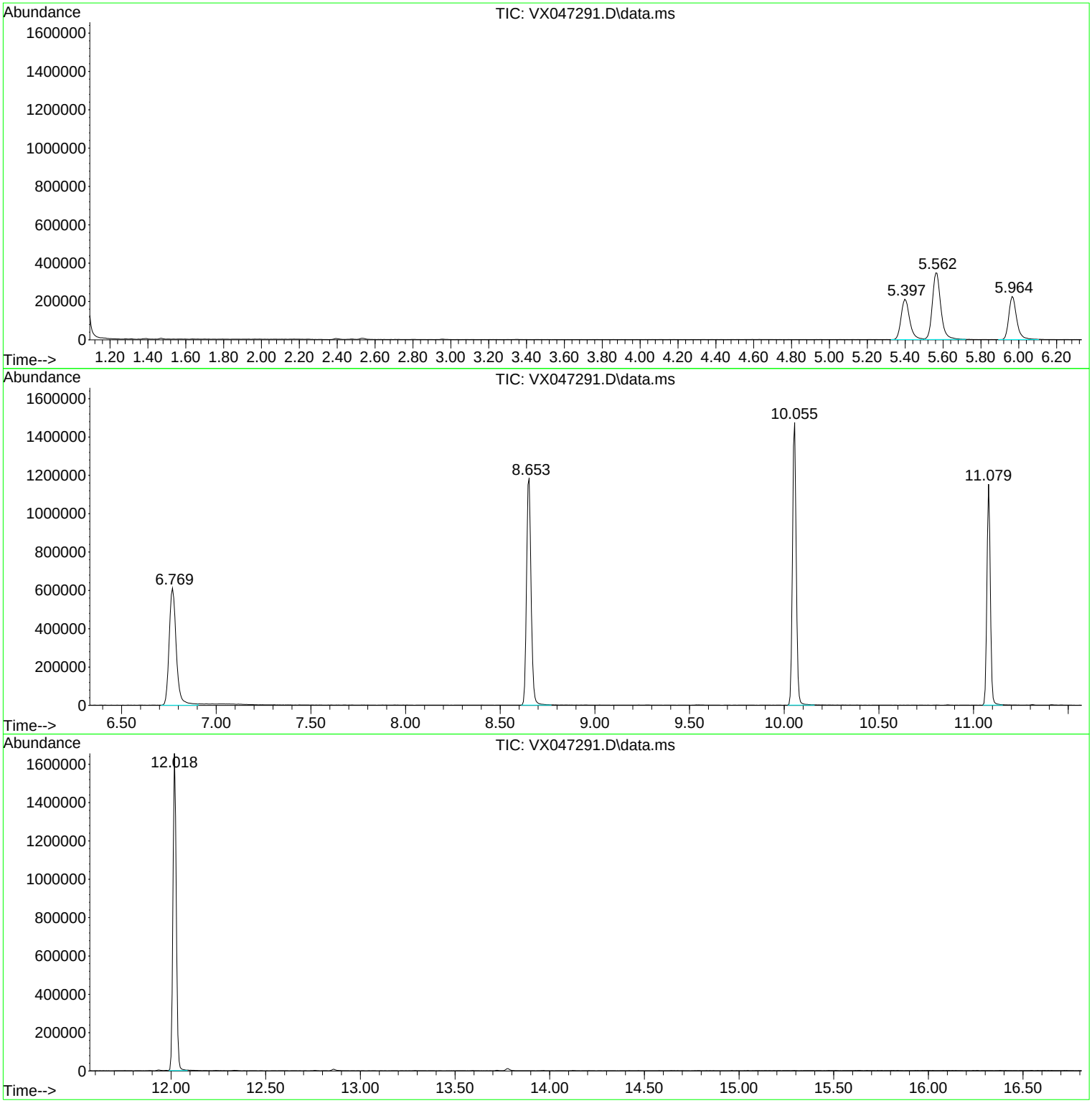
Sample Results: **VX047291.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047291.D
Acq On : 12 Aug 2025 13:05
Operator : JC/MD
Sample : Q2814-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047291.D
Acq On : 12 Aug 2025 13:05
Operator : JC/MD
Sample : Q2814-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX081225\
Data File : VX047291.D
Acq On : 12 Aug 2025 13:05
Operator : JC/MD
Sample : Q2814-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	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
VX047293.D	1	08/12/25 13:51	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.50	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	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
VX047293.D	1	08/12/25 13:51	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	49.9		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	45.6		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.4		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	251000	5.562				
540-36-3	1,4-Difluorobenzene	435000	6.769				
3114-55-4	Chlorobenzene-d5	391000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	201000	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-17M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-03	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
VX047293.D	1	08/12/25 13:51	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047293.D
Acq On : 12 Aug 2025 13:51
Operator : JC/MD
Sample : Q2814-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-W

Quant Time: Aug 13 01:20:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

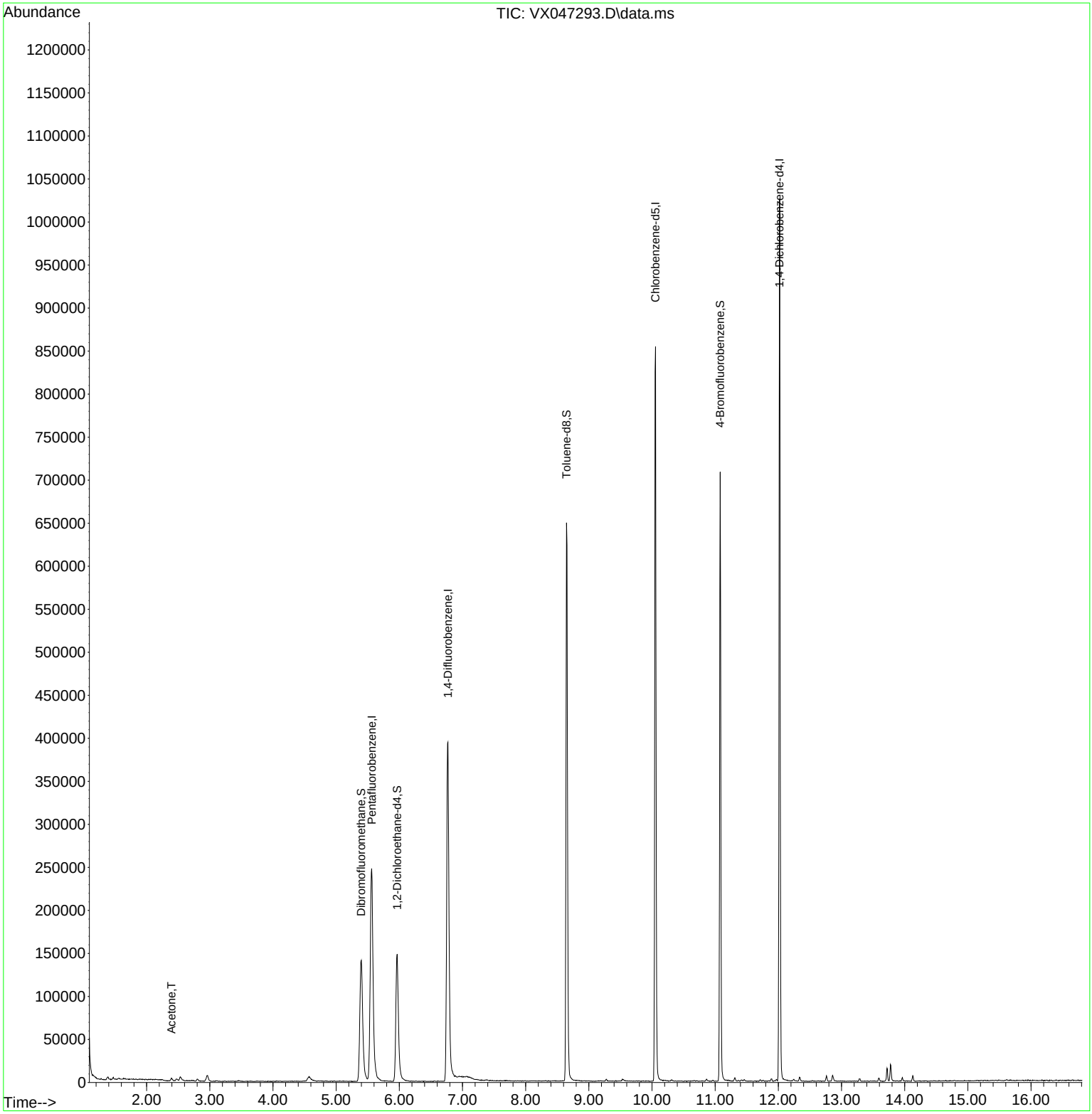
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	250644	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	435165	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	391228	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	200683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155908	49.935	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 99.860%			
35) Dibromofluoromethane	5.398	113	140298	52.217	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.440%			
50) Toluene-d8	8.647	98	396744	45.596	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.200%#			
62) 4-Bromofluorobenzene	11.079	95	192896	51.442	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.880%			
Target Compounds						Qvalue
16) Acetone	2.392	43	5610	4.485	ug/l	90

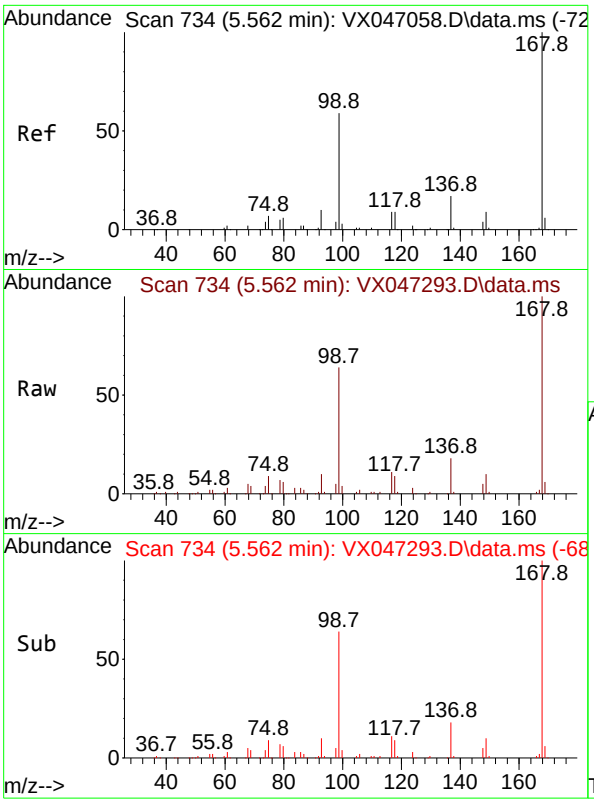
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047293.D
Acq On : 12 Aug 2025 13:51
Operator : JC/MD
Sample : Q2814-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-W

Quant Time: Aug 13 01:20:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



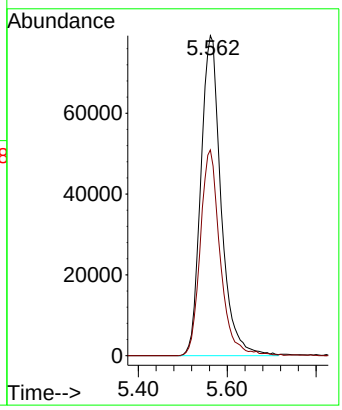


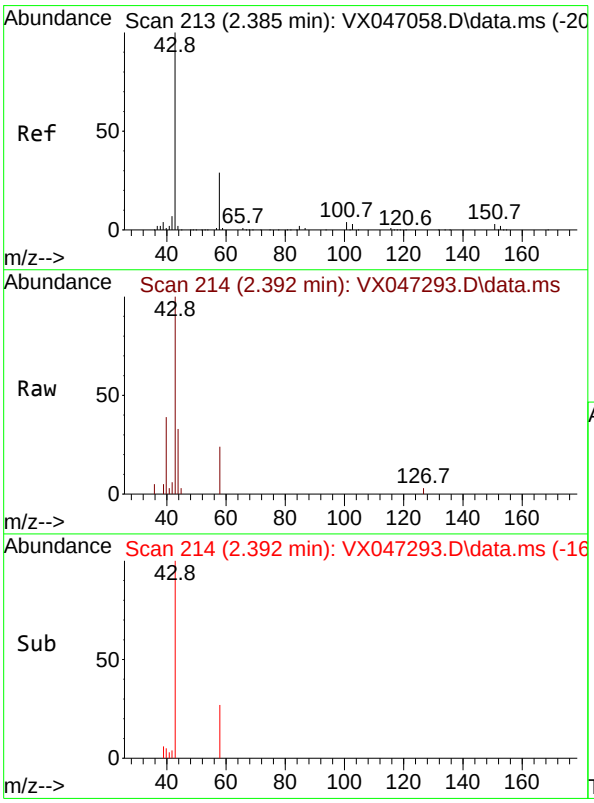
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047293.D
Acq: 12 Aug 2025 13:51

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-W

Tgt Ion:168 Resp: 250644

Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.0	72.0

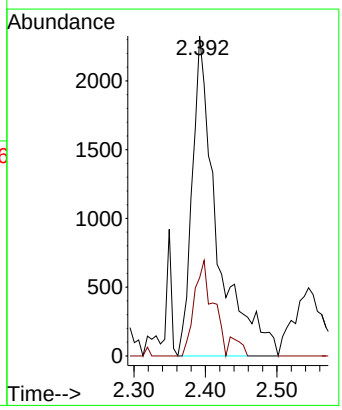


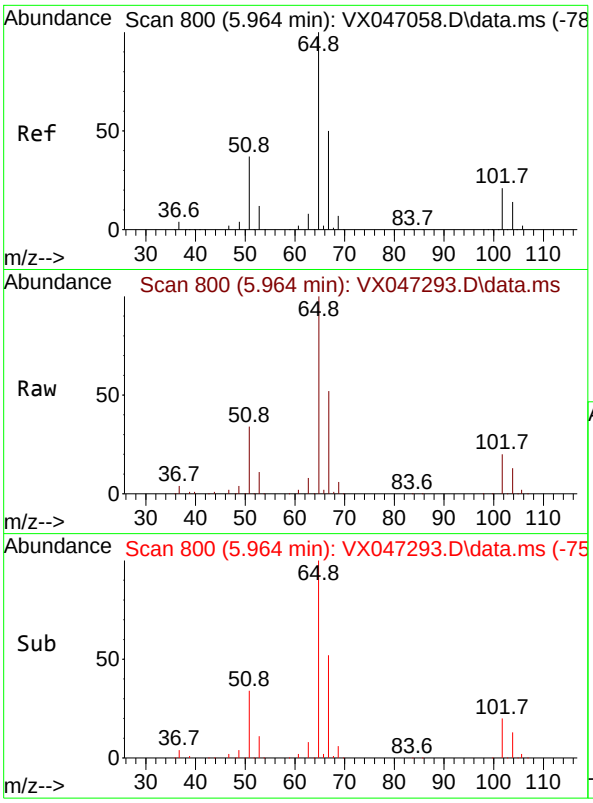


#16
Acetone
Concen: 4.485 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047293.D
Acq: 12 Aug 2025 13:51

Tgt Ion: 43 Resp: 5610

Ion	Ratio	Lower	Upper
43	100		
58	24.5	24.0	36.0



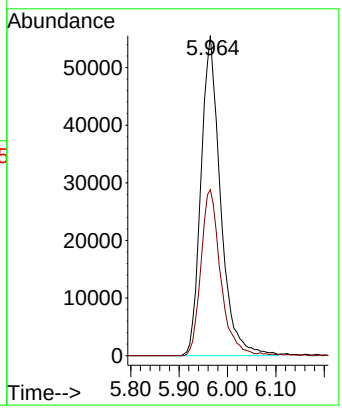


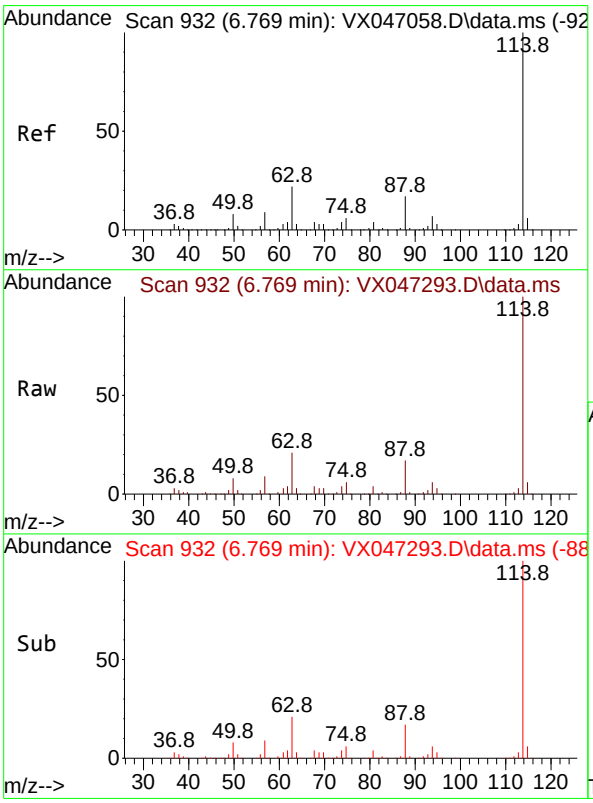
#33
1,2-Dichloroethane-d4
Concen: 49.935 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.001 min
Lab File: VX047293.D
Acq: 12 Aug 2025 13:51

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-W

Tgt Ion: 65 Resp: 155908

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.8

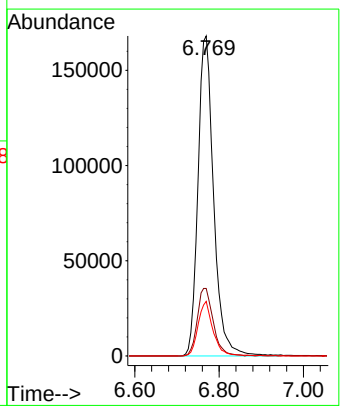


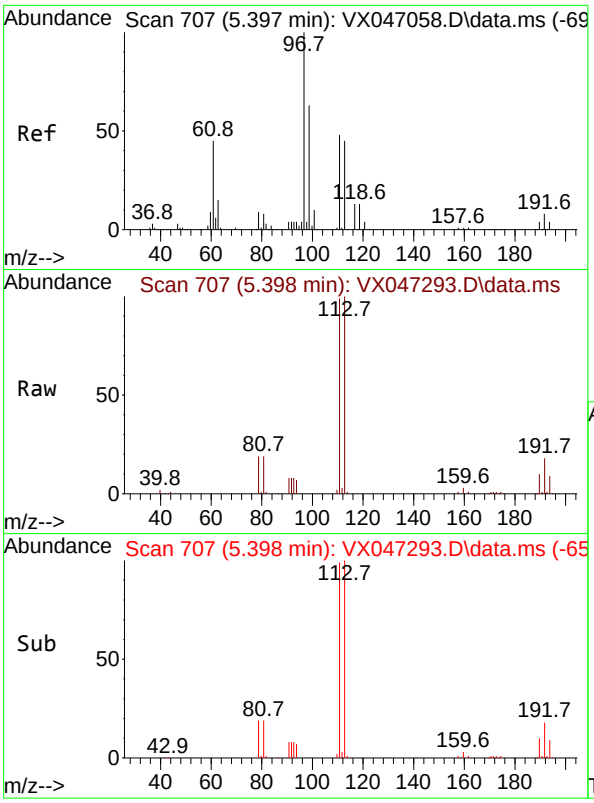


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.001 min
Lab File: VX047293.D
Acq: 12 Aug 2025 13:51

Tgt Ion:114 Resp: 435165

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	43.2
88	17.1	0.0	33.8



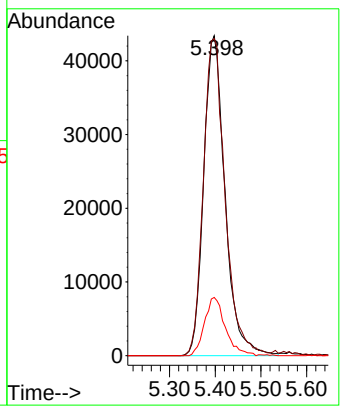


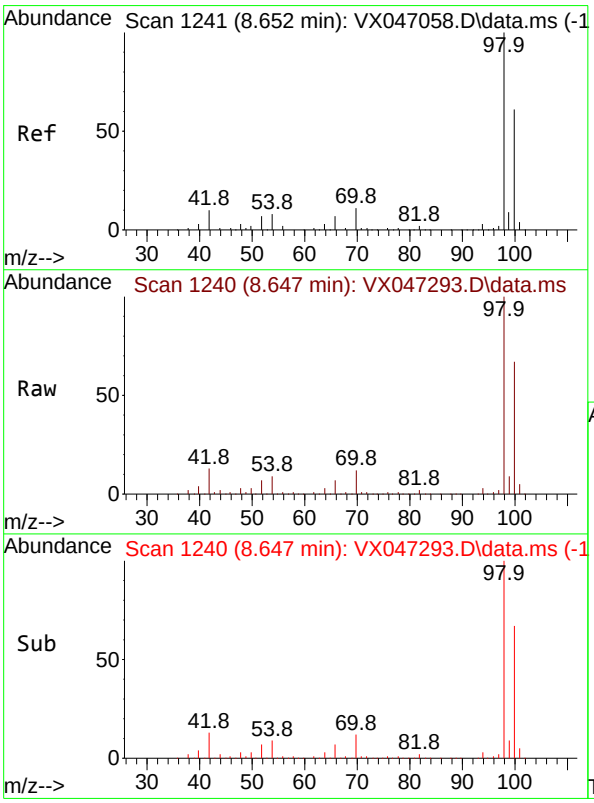
#35
Dibromofluoromethane
Concen: 52.217 ug/l
RT: 5.398 min Scan# 7
Delta R.T. 0.001 min
Lab File: VX047293.D
Acq: 12 Aug 2025 13:51

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-W

Tgt Ion:113 Resp: 140298

Ion	Ratio	Lower	Upper
113	100		
111	101.5	82.6	124.0
192	17.9	14.9	22.3

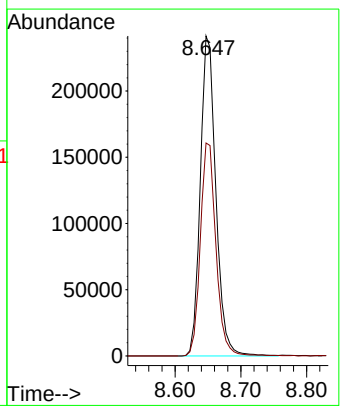


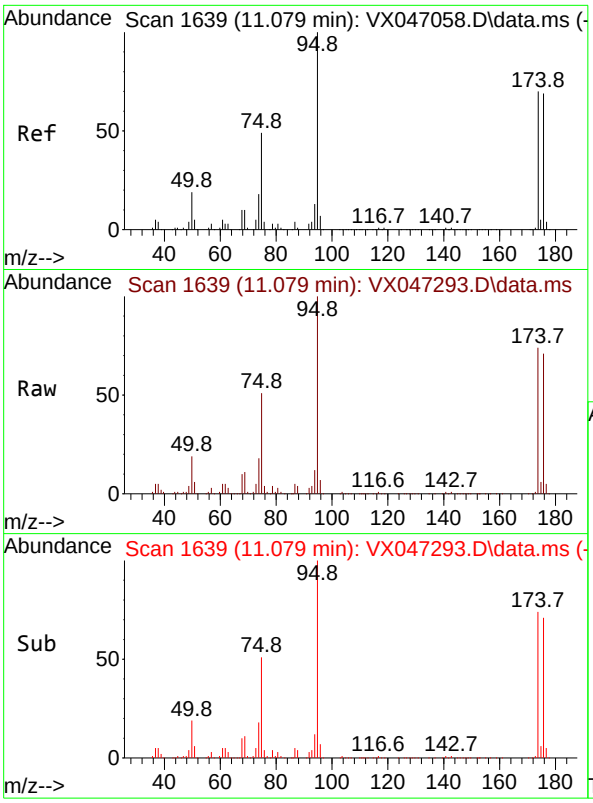


#50
Toluene-d8
Concen: 45.596 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047293.D
Acq: 12 Aug 2025 13:51

Tgt Ion: 98 Resp: 396744

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.3	79.9



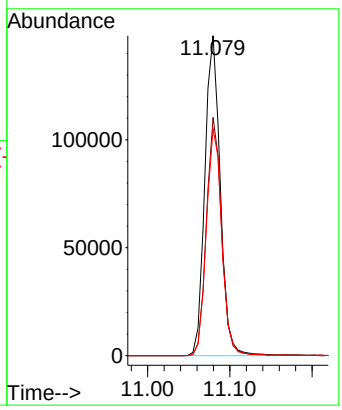


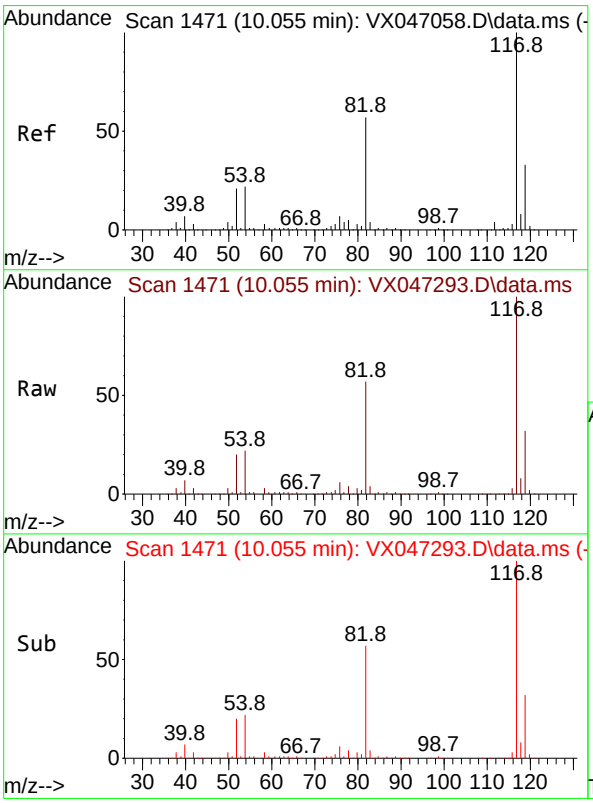
#62
4-Bromofluorobenzene
Concen: 51.442 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047293.D
Acq: 12 Aug 2025 13:51

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-W

Tgt Ion: 95 Resp: 192896

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	144.6
176	71.2	0.0	139.6

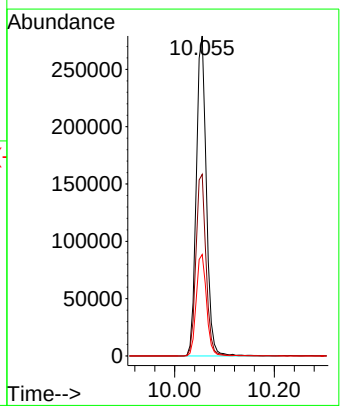


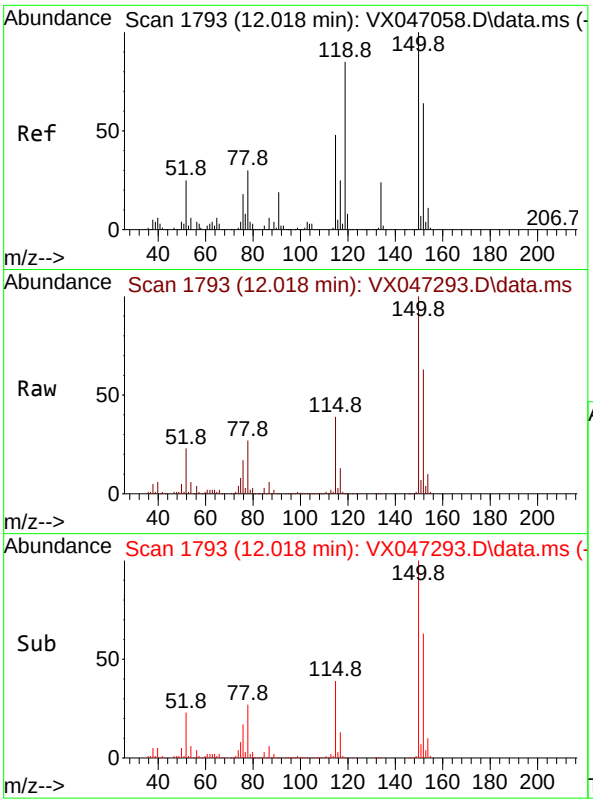


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.001 min
Lab File: VX047293.D
Acq: 12 Aug 2025 13:51

Tgt Ion:117 Resp: 391228

Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.4	68.2
119	31.7	26.1	39.1



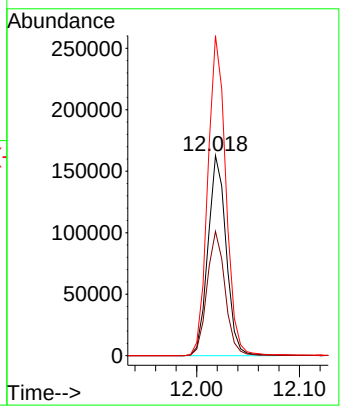


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047293.D
Acq: 12 Aug 2025 13:51

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-W

Tgt Ion:152 Resp: 200683

Ion	Ratio	Lower	Upper
152	100		
115	61.7	45.6	136.7
150	158.4	0.0	354.6



Sample Results: **VX047293.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047293.D
Acq On : 12 Aug 2025 13:51
Operator : JC/MD
Sample : Q2814-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-W

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047293.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.959	300	307	316	rBV3	6797	16626	1.32%	0.230%
2	4.568	563	571	577	rBV2	5321	16321	1.30%	0.226%
3	5.398	696	707	723	rBV3	140567	456898	36.36%	6.323%
4	5.562	723	734	756	rVB	246194	772121	61.44%	10.685%
5	5.964	790	800	820	rBV	147709	428889	34.13%	5.935%
6	6.769	922	932	949	rBV	393928	1030898	82.03%	14.266%
7	8.647	1234	1240	1258	rBV	648424	1071221	85.24%	14.824%
8	10.055	1465	1471	1485	rBV	853283	1215538	96.72%	16.821%
9	11.079	1634	1639	1652	rBV	707301	913271	72.67%	12.638%
10	12.018	1788	1793	1807	rBV	1025017	1256713	100.00%	17.391%
11	13.719	2064	2072	2077	rBV6	15175	20806	1.66%	0.288%
12	13.774	2077	2081	2088	rVB2	19047	26942	2.14%	0.373%

Sum of corrected areas: 7226244

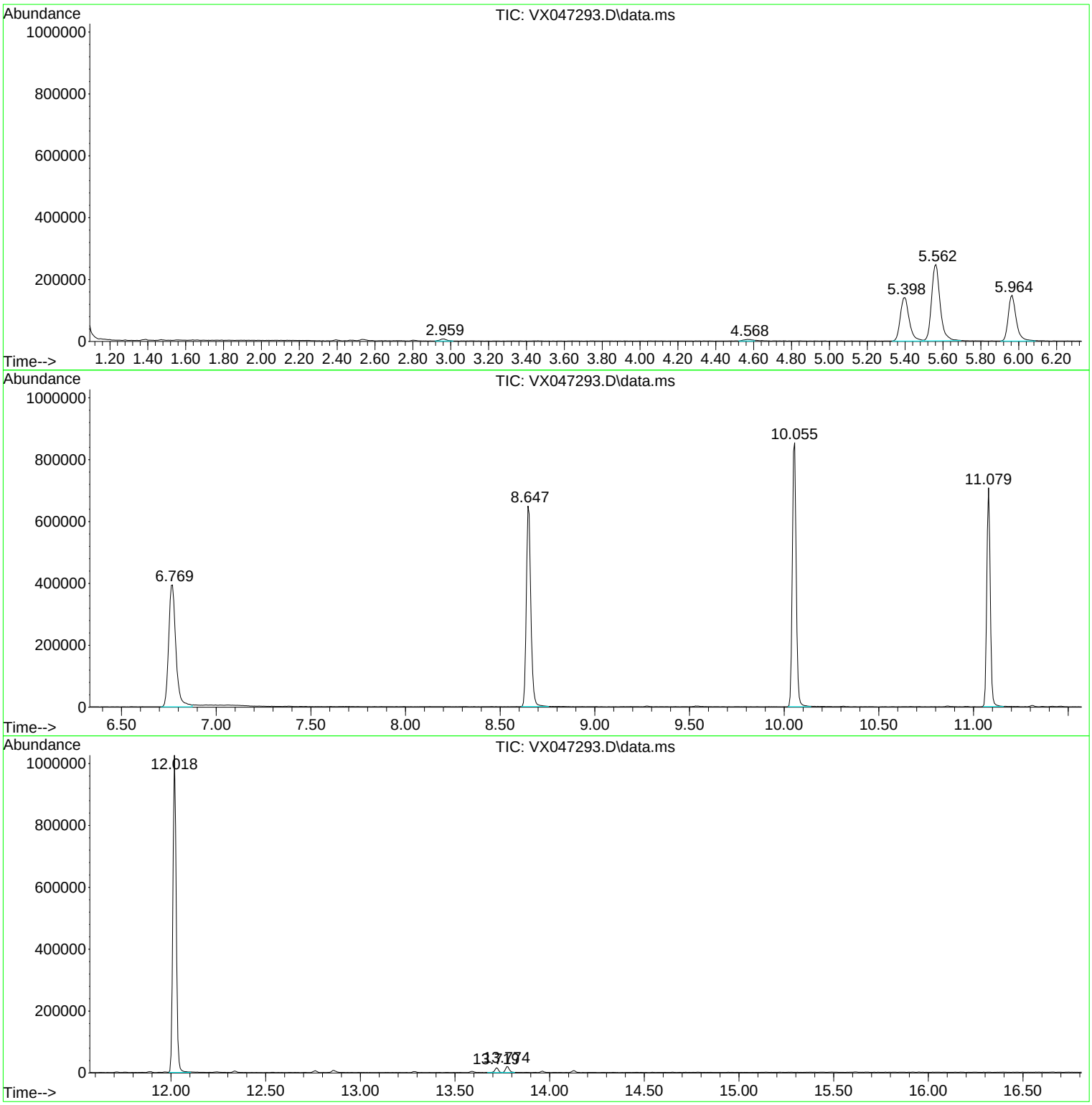
Sample Results: **VX047293.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047293.D
Acq On : 12 Aug 2025 13:51
Operator : JC/MD
Sample : Q2814-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047293.D
Acq On : 12 Aug 2025 13:51
Operator : JC/MD
Sample : Q2814-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX081225\
Data File : VX047293.D
Acq On : 12 Aug 2025 13:51
Operator : JC/MD
Sample : Q2814-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-17M-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-04	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
VX047294.D	1	08/12/25 14:13	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	12.4		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.31	J	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-04	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
VX047294.D	1	08/12/25 14:13	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.6		80 - 119		105%	SPK: 50
2037-26-5	Toluene-d8	46.0		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.5		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	249000	5.568				
540-36-3	1,4-Difluorobenzene	420000	6.769				
3114-55-4	Chlorobenzene-d5	379000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	197000	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-04	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
VX047294.D	1	08/12/25 14:13	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047294.D
Acq On : 12 Aug 2025 14:13
Operator : JC/MD
Sample : Q2814-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-N

Quant Time: Aug 13 01:21:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

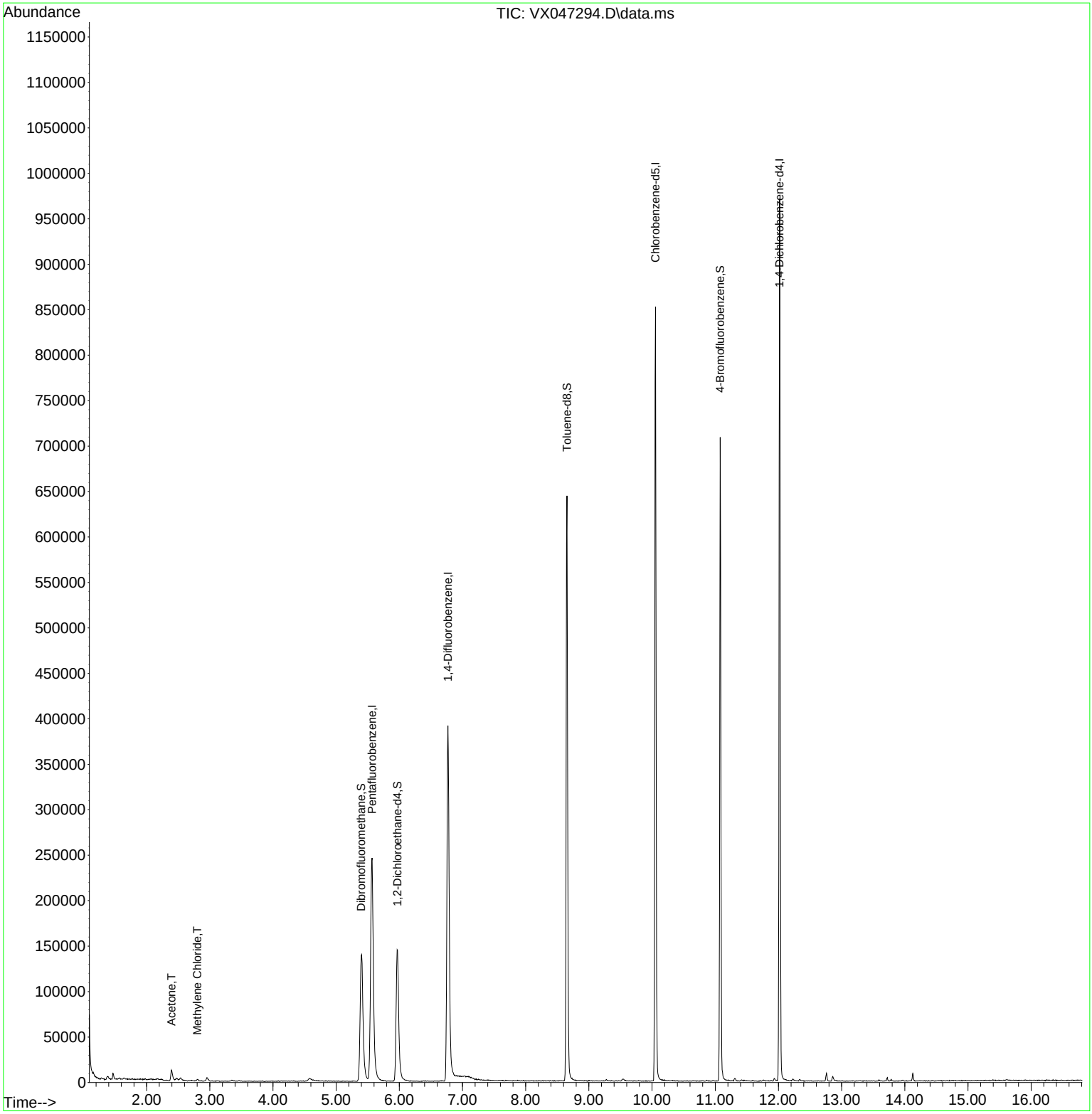
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	248664	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	420068	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	379296	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	155083	50.066	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.140%			
35) Dibromofluoromethane	5.397	113	136376	52.581	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.160%			
50) Toluene-d8	8.653	98	386600	46.027	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.060%			
62) 4-Bromofluorobenzene	11.079	95	186460	51.513	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.020%			
Target Compounds						Qvalue
16) Acetone	2.392	43	15400	12.410	ug/l	95
20) Methylene Chloride	2.800	84	1069	0.313	ug/l #	81

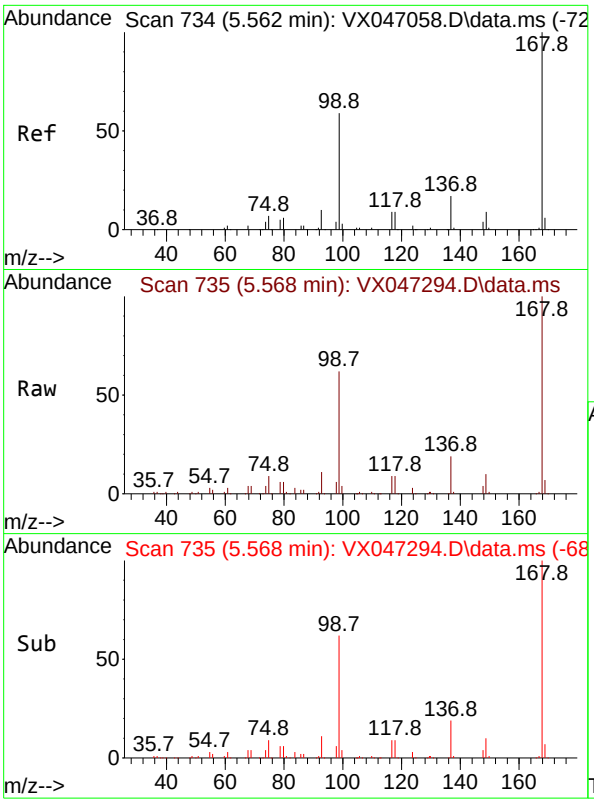
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047294.D
Acq On : 12 Aug 2025 14:13
Operator : JC/MD
Sample : Q2814-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-N

Quant Time: Aug 13 01:21:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



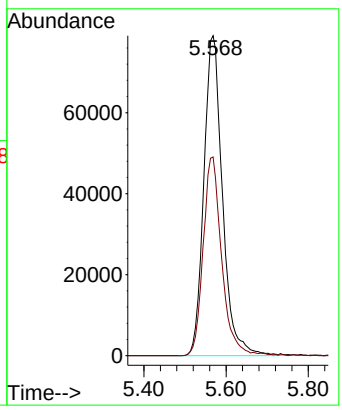


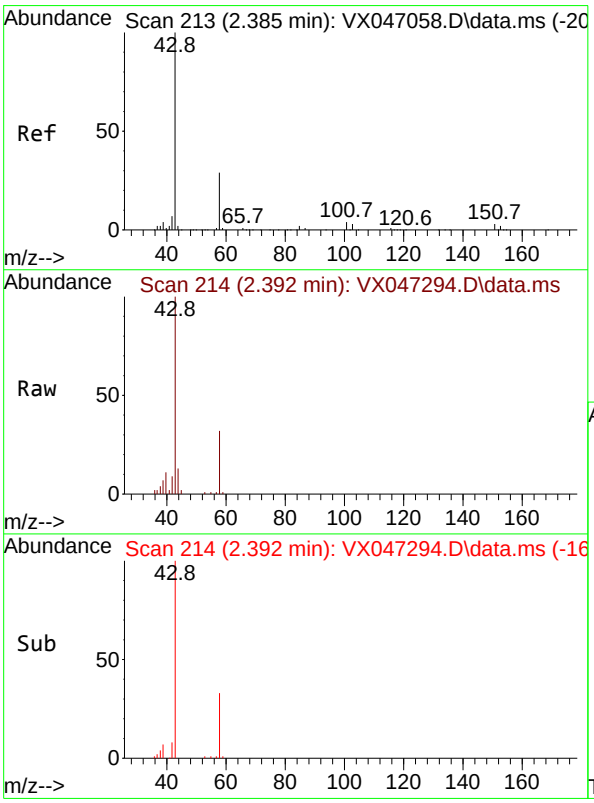
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047294.D
Acq: 12 Aug 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-N

Tgt Ion:168 Resp: 248664

Ion	Ratio	Lower	Upper
168	100		
99	62.1	48.0	72.0

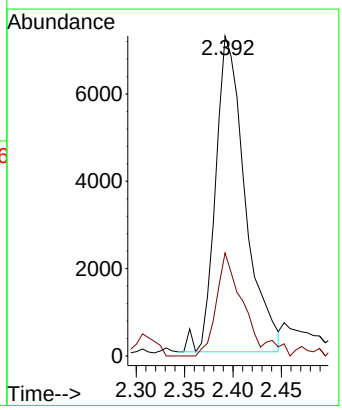


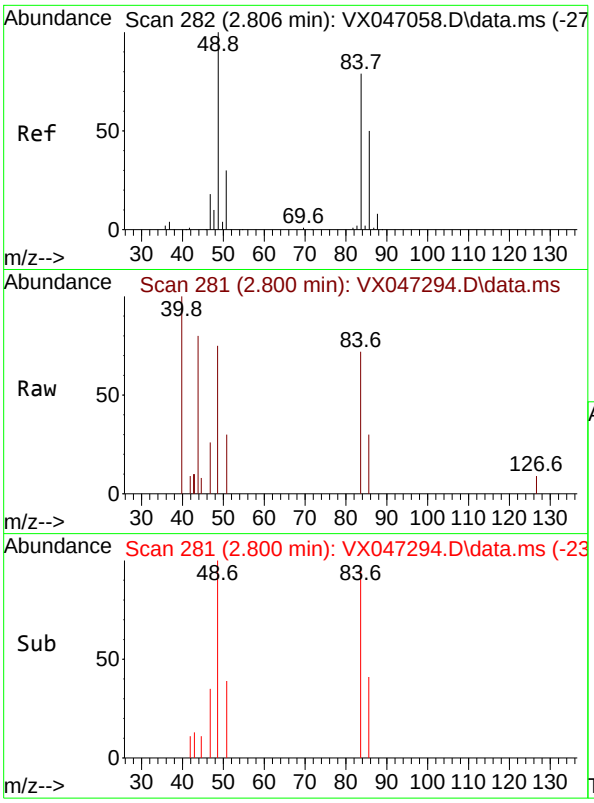


#16
Acetone
Concen: 12.410 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047294.D
Acq: 12 Aug 2025 14:13

Tgt Ion: 43 Resp: 15400

Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.0	36.0



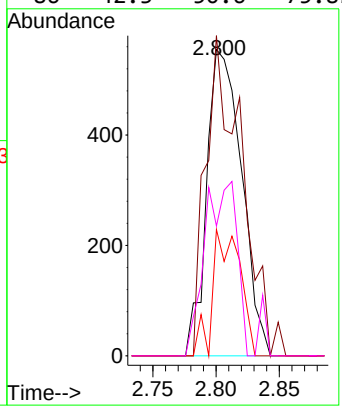


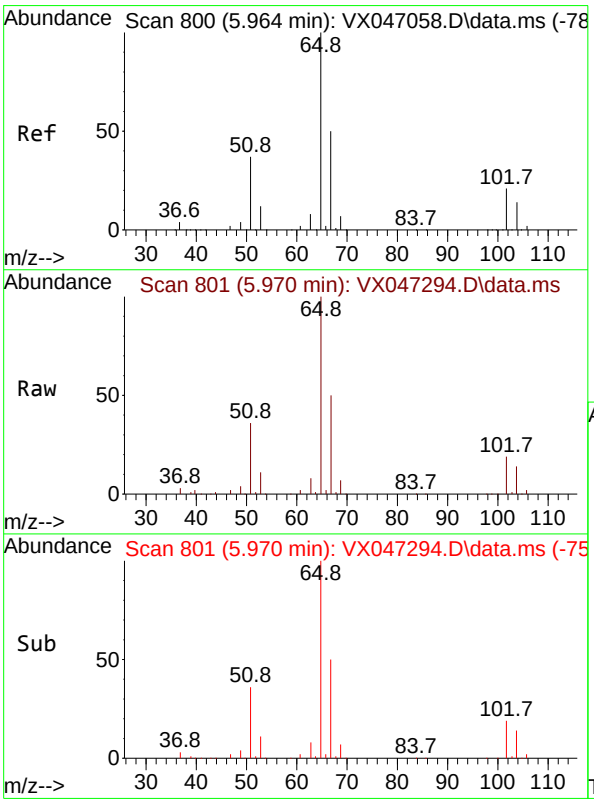
#20
Methylene Chloride
Concen: 0.313 ug/l
RT: 2.800 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047294.D
Acq: 12 Aug 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-N

Tgt Ion: 84 Resp: 1069

Ion	Ratio	Lower	Upper
84	100		
49	104.5	101.6	152.4
51	41.3	30.3	45.5
86	42.3	50.6	75.8#

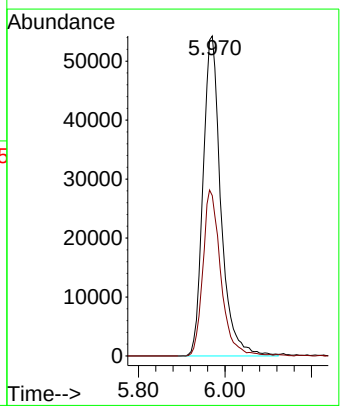


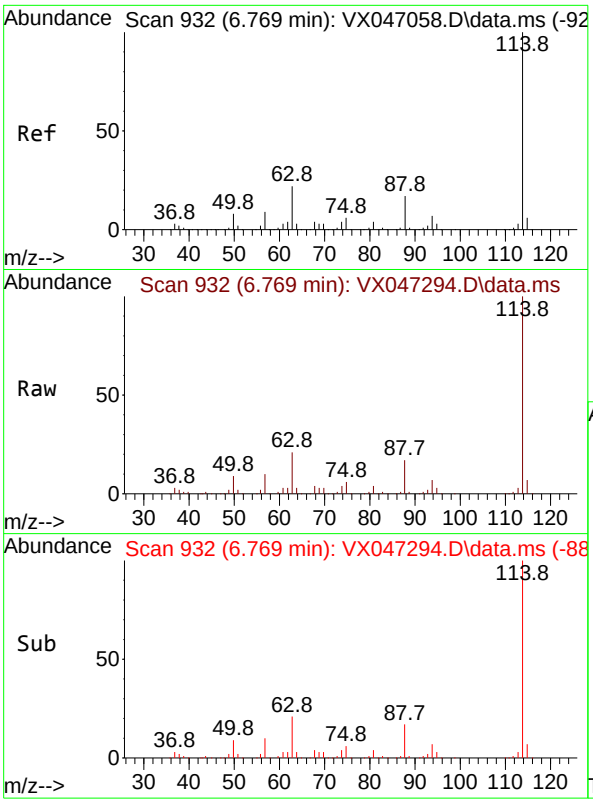


#33
1,2-Dichloroethane-d4
Concen: 50.066 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047294.D
Acq: 12 Aug 2025 14:13

Tgt Ion: 65 Resp: 155083

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.8



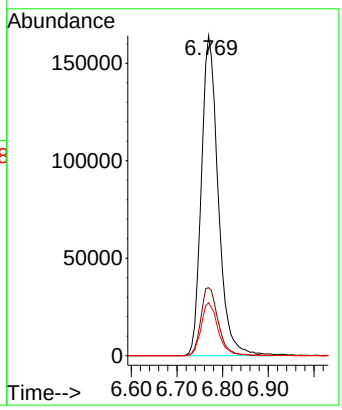


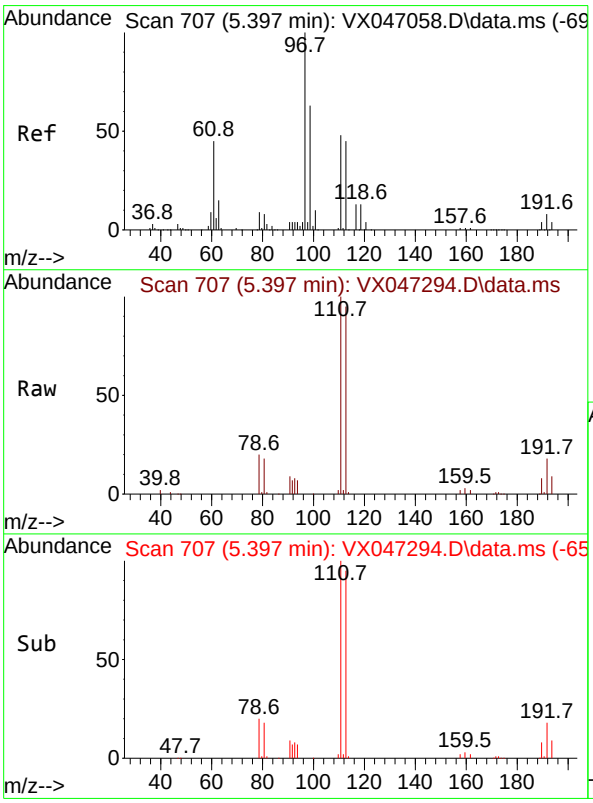
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047294.D
Acq: 12 Aug 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-N

Tgt Ion:114 Resp: 420068

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.2
88	16.5	0.0	33.8

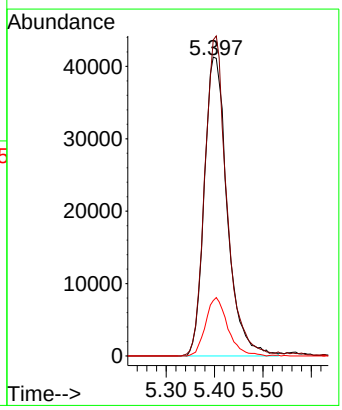


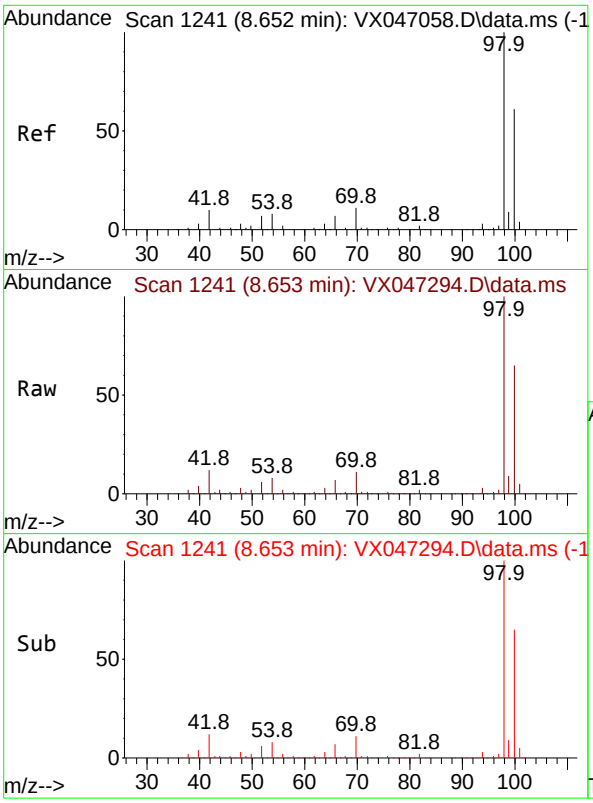


#35
Dibromofluoromethane
Concen: 52.581 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047294.D
Acq: 12 Aug 2025 14:13

Tgt Ion:113 Resp: 136376

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	124.0
192	18.9	14.9	22.3



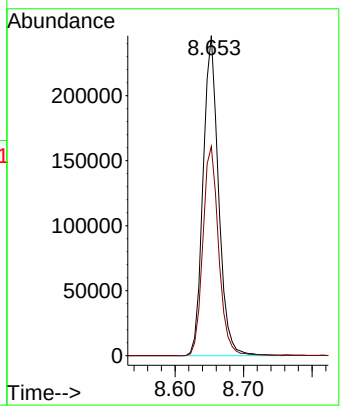


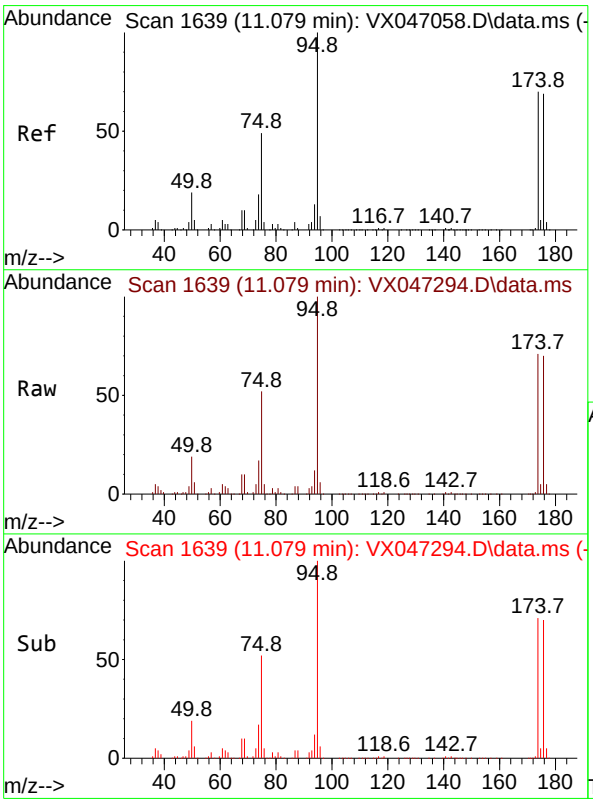
#50
Toluene-d8
Concen: 46.027 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047294.D
Acq: 12 Aug 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-N

Tgt Ion: 98 Resp: 386600

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.3	79.9

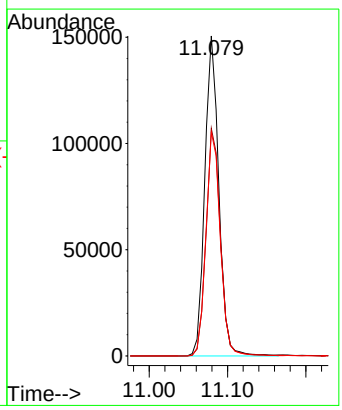


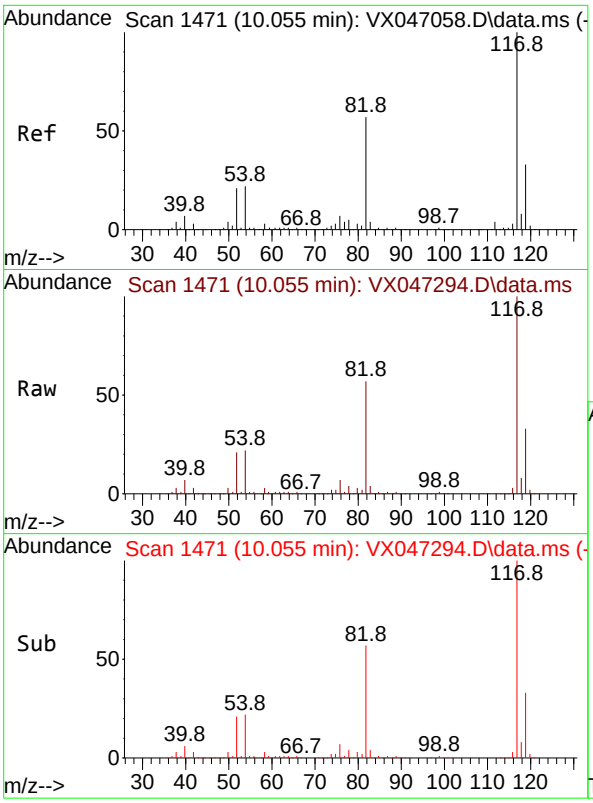


#62
4-Bromofluorobenzene
Concen: 51.513 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047294.D
Acq: 12 Aug 2025 14:13

Tgt Ion: 95 Resp: 186460

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	144.6
176	72.0	0.0	139.6



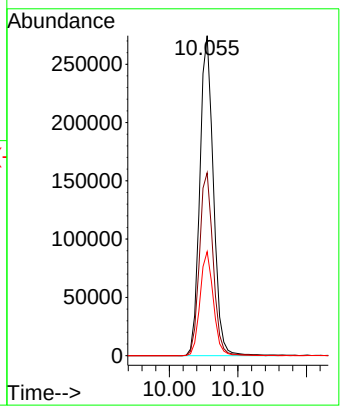


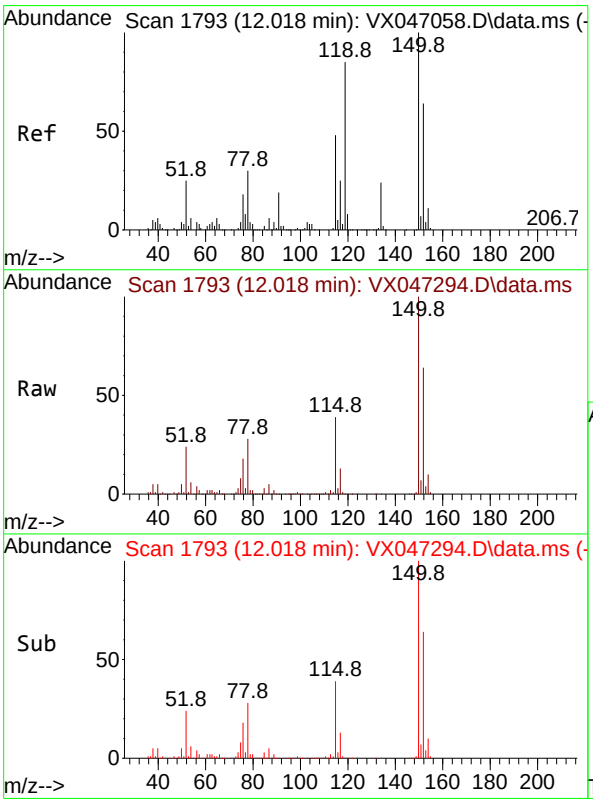
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047294.D
Acq: 12 Aug 2025 14:13

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-N

Tgt Ion:117 Resp: 379296

Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.4	68.2
119	32.5	26.1	39.1

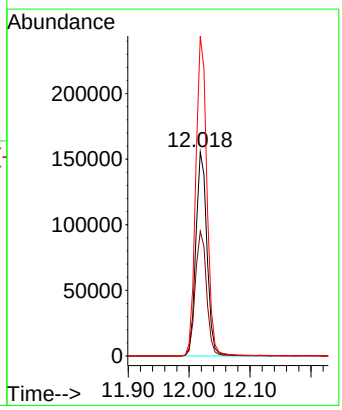




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047294.D
Acq: 12 Aug 2025 14:13

Tgt Ion:152 Resp: 196916

Ion	Ratio	Lower	Upper
152	100		
115	62.2	45.6	136.7
150	157.3	0.0	354.6



Sample Results: **VX047294.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047294.D
Acq On : 12 Aug 2025 14:13
Operator : JC/MD
Sample : Q2814-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-N

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047294.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.392	208	214	223	rBV	12092	25626	2.10%	0.366%
2	5.403	695	708	724	rBV	139516	452278	37.05%	6.456%
3	5.568	724	735	756	rVB	244365	757342	62.03%	10.811%
4	5.964	791	800	821	rBV	144562	418665	34.29%	5.977%
5	6.769	922	932	952	rBV	391274	1013707	83.03%	14.471%
6	8.653	1234	1241	1253	rBV	643582	1044299	85.54%	14.908%
7	10.055	1465	1471	1485	rBV	851671	1182949	96.90%	16.887%
8	11.079	1634	1639	1653	rBV	707774	889374	72.85%	12.696%
9	12.018	1788	1793	1804	rBV	969954	1220832	100.00%	17.428%

Sum of corrected areas: 7005072

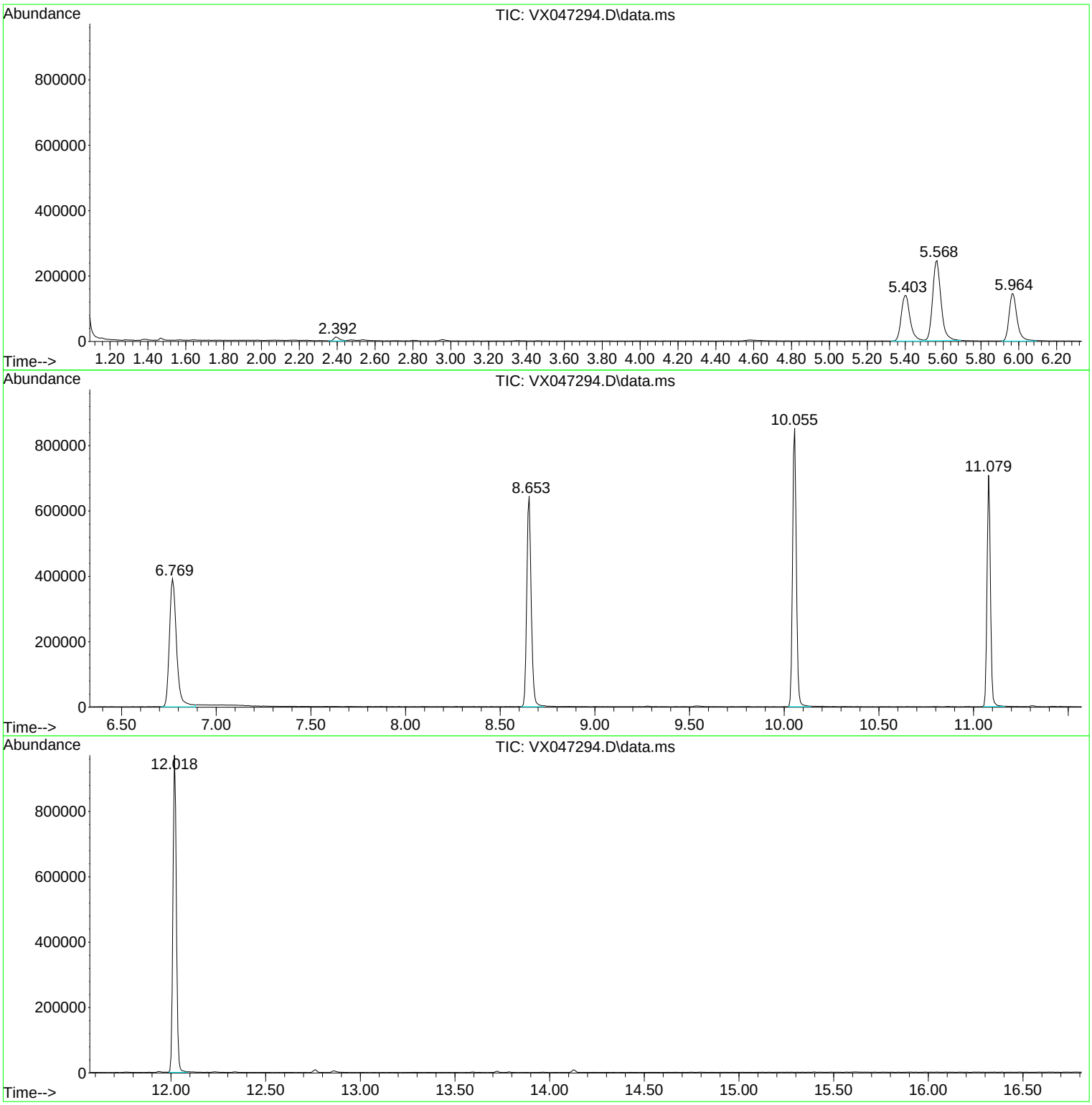
Sample Results: **VX047294.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047294.D
Acq On : 12 Aug 2025 14:13
Operator : JC/MD
Sample : Q2814-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047294.D
Acq On : 12 Aug 2025 14:13
Operator : JC/MD
Sample : Q2814-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047294.D
Acq On : 12 Aug 2025 14:13
Operator : JC/MD
Sample : Q2814-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-05	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
VX047295.D	1	08/12/25 14:34	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	9.70		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.27	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.66	J	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-05	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
VX047295.D	1	08/12/25 14:34	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.0		81 - 118		96%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	44.5		89 - 112		89%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	247000	5.568				
540-36-3	1,4-Difluorobenzene	418000	6.769				
3114-55-4	Chlorobenzene-d5	380000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	197000	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-05	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
VX047295.D	1	08/12/25 14:34	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047295.D
Acq On : 12 Aug 2025 14:34
Operator : JC/MD
Sample : Q2814-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Quant Time: Aug 13 01:21:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

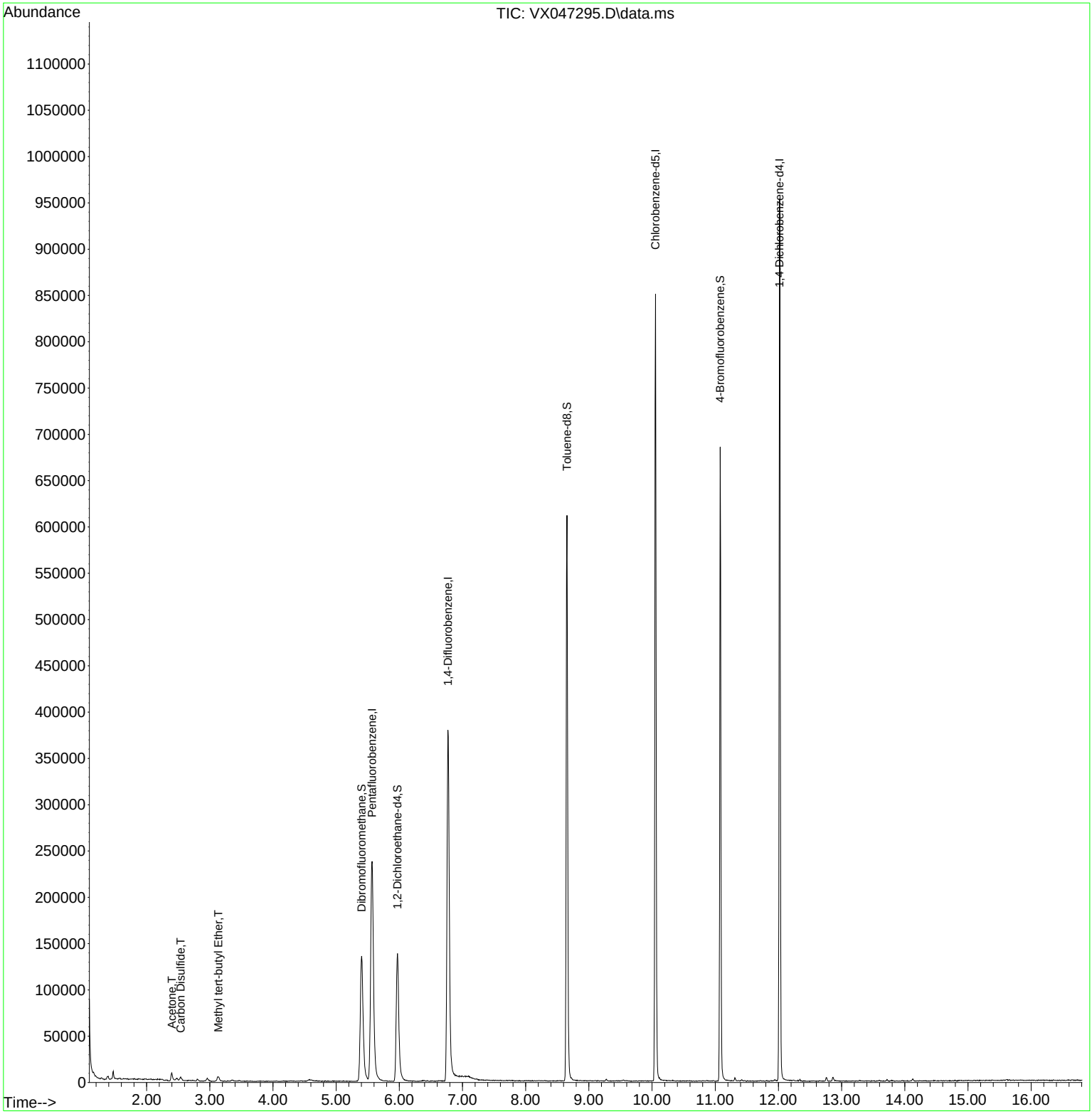
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	246817	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	417838	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	379612	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	196582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	147445	47.956	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 95.920%			
35) Dibromofluoromethane	5.403	113	130786	50.695	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	8.653	98	371795	44.500	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.000%#			
62) 4-Bromofluorobenzene	11.079	95	182279	50.626	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.260%			
Target Compounds						Qvalue
16) Acetone	2.398	43	11956	9.707	ug/l	99
17) Carbon Disulfide	2.538	76	2434	0.271	ug/l #	76
19) Methyl tert-butyl Ether	3.136	73	6183	0.655	ug/l	96

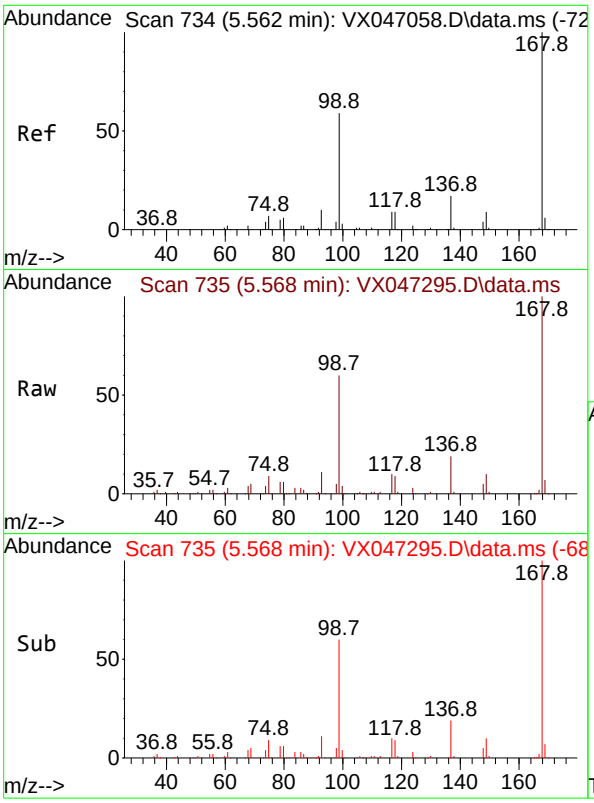
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047295.D
Acq On : 12 Aug 2025 14:34
Operator : JC/MD
Sample : Q2814-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Quant Time: Aug 13 01:21:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



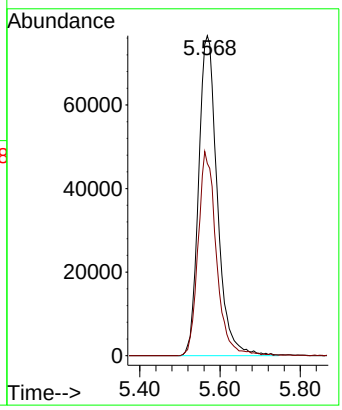


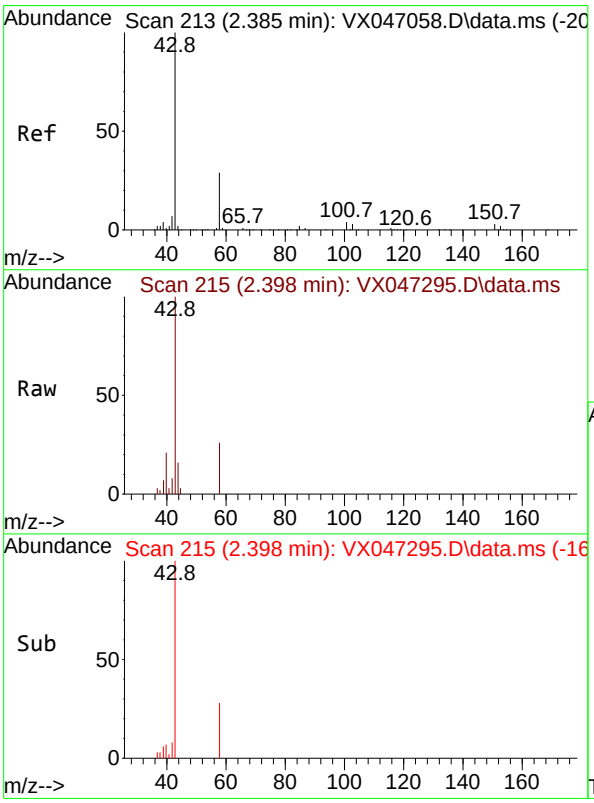
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Tgt Ion:168 Resp: 246817

Ion	Ratio	Lower	Upper
168	100		
99	60.0	48.0	72.0

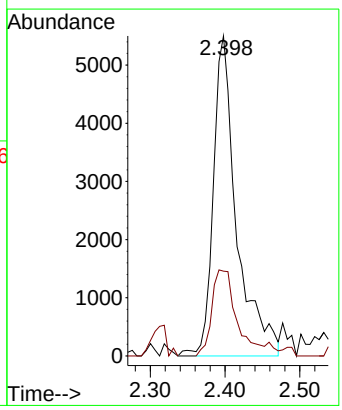


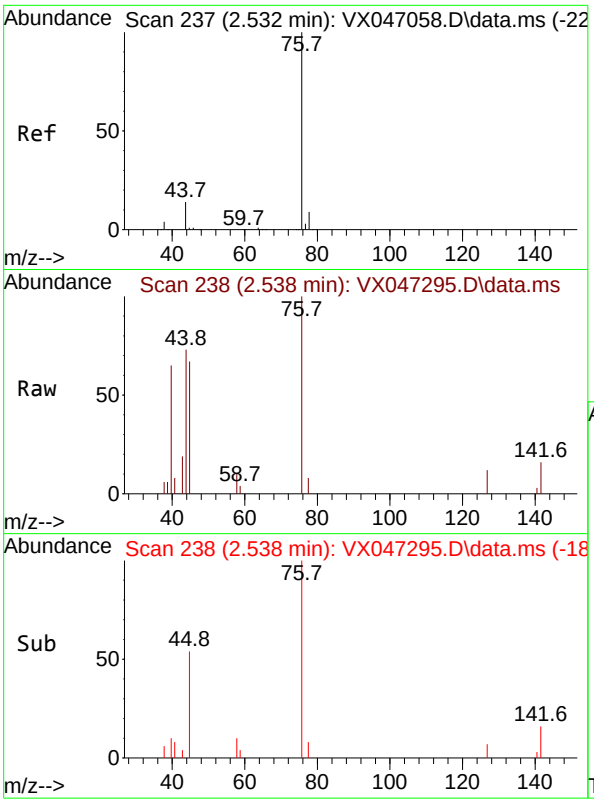


#16
Acetone
Concen: 9.707 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion: 43 Resp: 11956

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.0	36.0



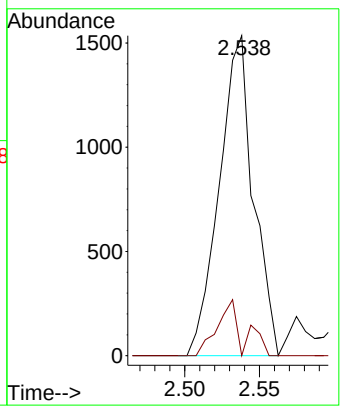


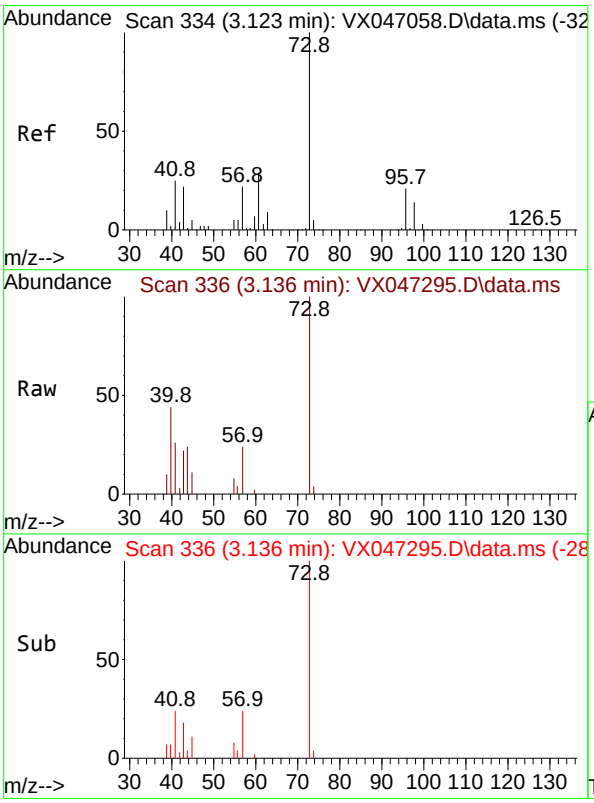
#17
Carbon Disulfide
Concen: 0.271 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Tgt Ion: 76 Resp: 2434

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

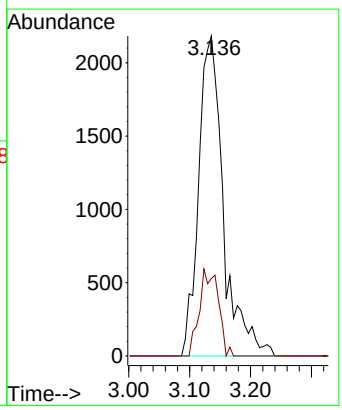


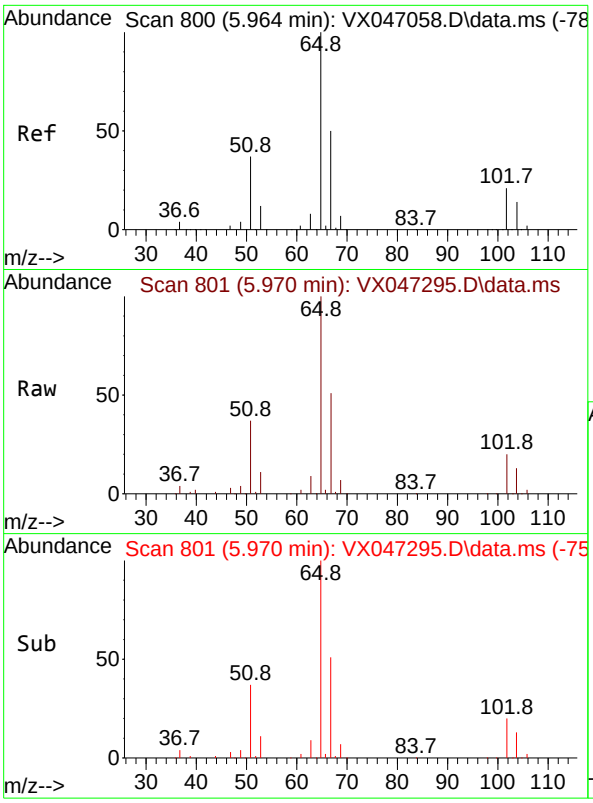


#19
Methyl tert-butyl Ether
Concen: 0.655 ug/l
RT: 3.136 min Scan# 336
Delta R.T. 0.013 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion: 73 Resp: 6183

Ion	Ratio	Lower	Upper
73	100		
57	24.2	17.7	26.5



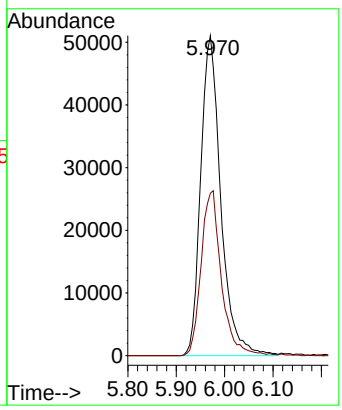


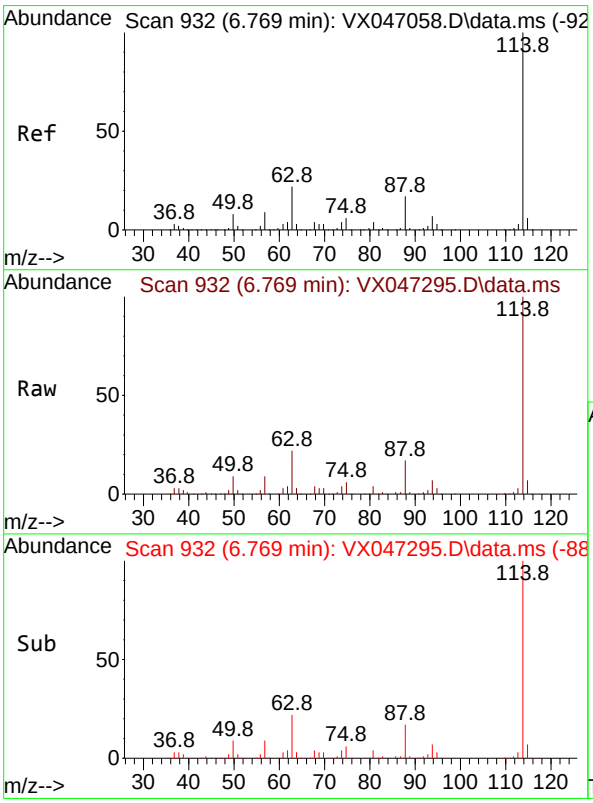
#33
1,2-Dichloroethane-d4
Concen: 47.956 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Tgt Ion: 65 Resp: 147445

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.8

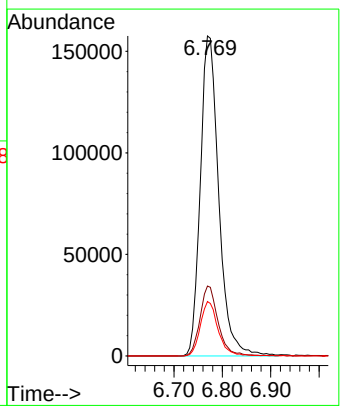


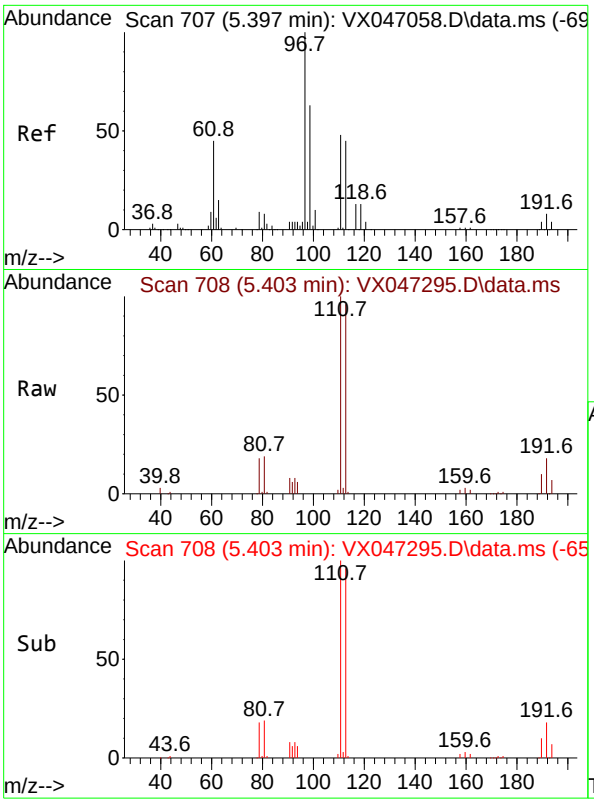


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion:114 Resp: 417838

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	17.0	0.0	33.8



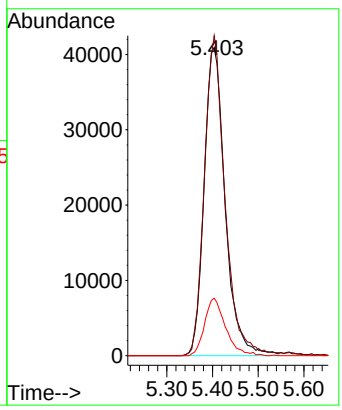


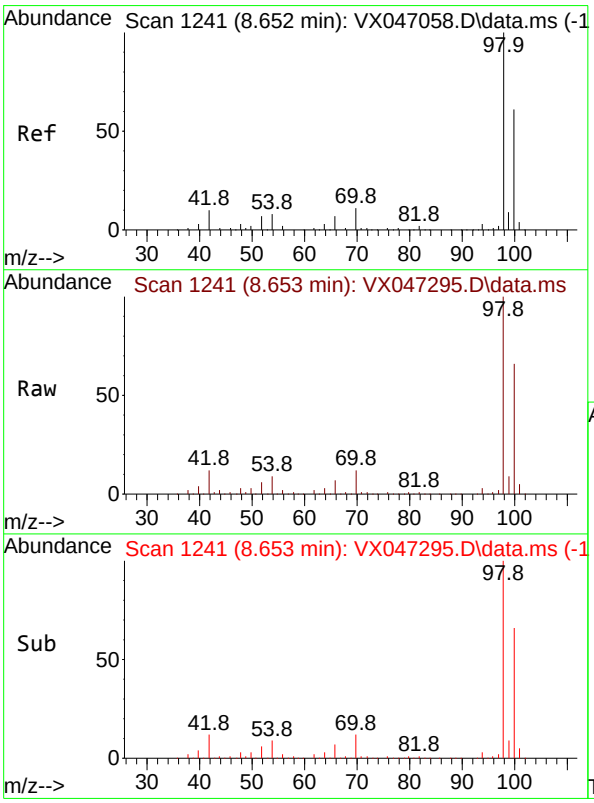
#35
Dibromofluoromethane
Concen: 50.695 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Tgt Ion:113 Resp: 130786

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	124.0
192	18.6	14.9	22.3

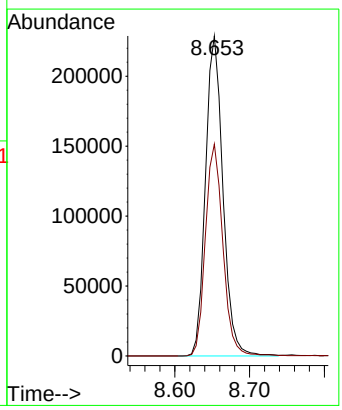


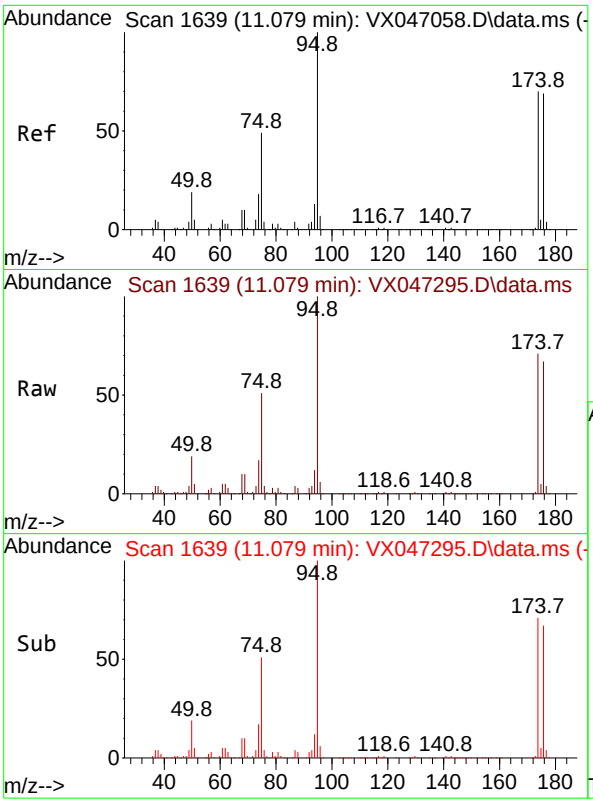


#50
Toluene-d8
Concen: 44.500 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion: 98 Resp: 371795

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9



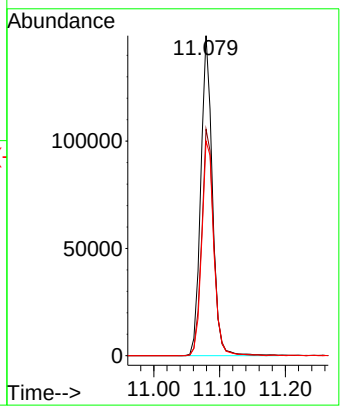


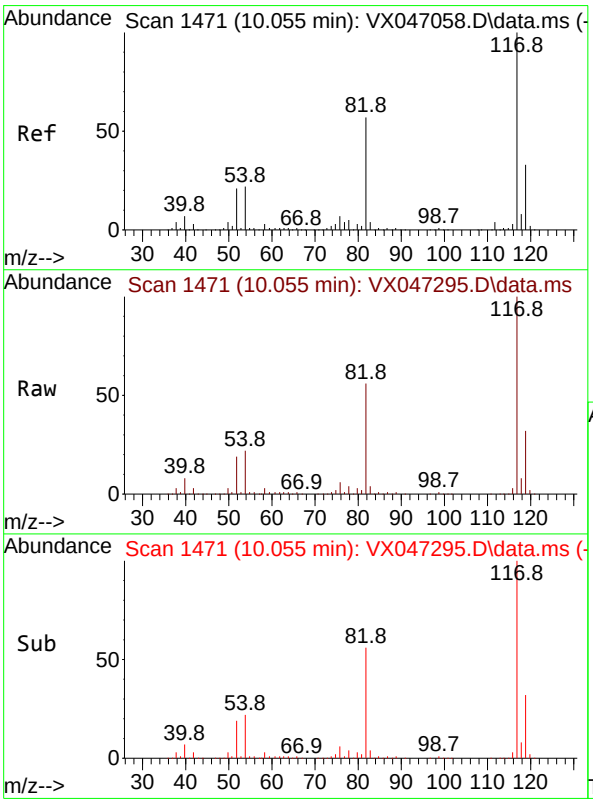
#62
4-Bromofluorobenzene
Concen: 50.626 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Tgt Ion: 95 Resp: 182279

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	144.6
176	70.0	0.0	139.6

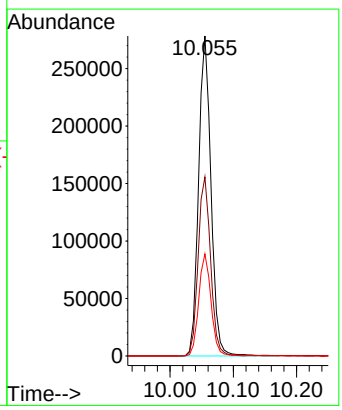


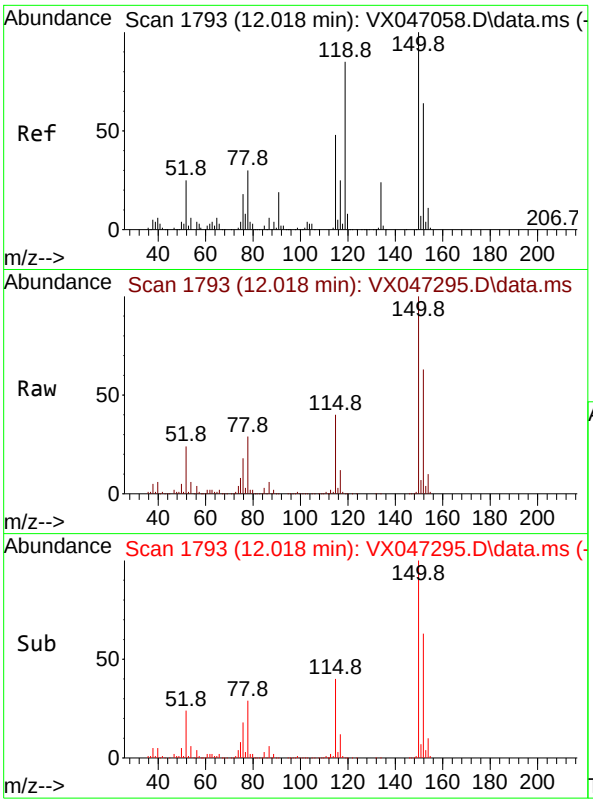


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Tgt Ion:117 Resp: 379612

Ion	Ratio	Lower	Upper
117	100		
82	55.9	45.4	68.2
119	31.9	26.1	39.1



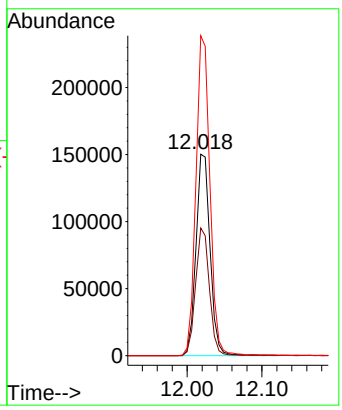


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047295.D
Acq: 12 Aug 2025 14:34

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Tgt Ion:152 Resp: 196582

Ion	Ratio	Lower	Upper
152	100		
115	62.3	45.6	136.7
150	158.2	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047295.D
Acq On : 12 Aug 2025 14:34
Operator : JC/MD
Sample : Q2814-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047295.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.471	54	63	67	rBV	8845	12599	1.04%	0.183%
2	2.398	209	215	223	rBV	8742	17287	1.42%	0.252%
3	3.136	325	336	342	rBV6	4872	13392	1.10%	0.195%
4	5.403	695	708	725	rBV2	135178	429893	35.36%	6.261%
5	5.568	725	735	759	rVB2	236626	753243	61.96%	10.970%
6	5.970	791	801	820	rBV2	138142	403323	33.17%	5.874%
7	6.769	924	932	947	rBV	378792	985128	81.03%	14.348%
8	8.653	1234	1241	1251	rBV	610704	998977	82.17%	14.549%
9	10.055	1465	1471	1489	rBV	849848	1176760	96.79%	17.139%
10	11.079	1634	1639	1654	rBV	684686	859778	70.72%	12.522%
11	12.018	1788	1793	1804	rBV	952199	1215765	100.00%	17.707%

Sum of corrected areas: 6866145

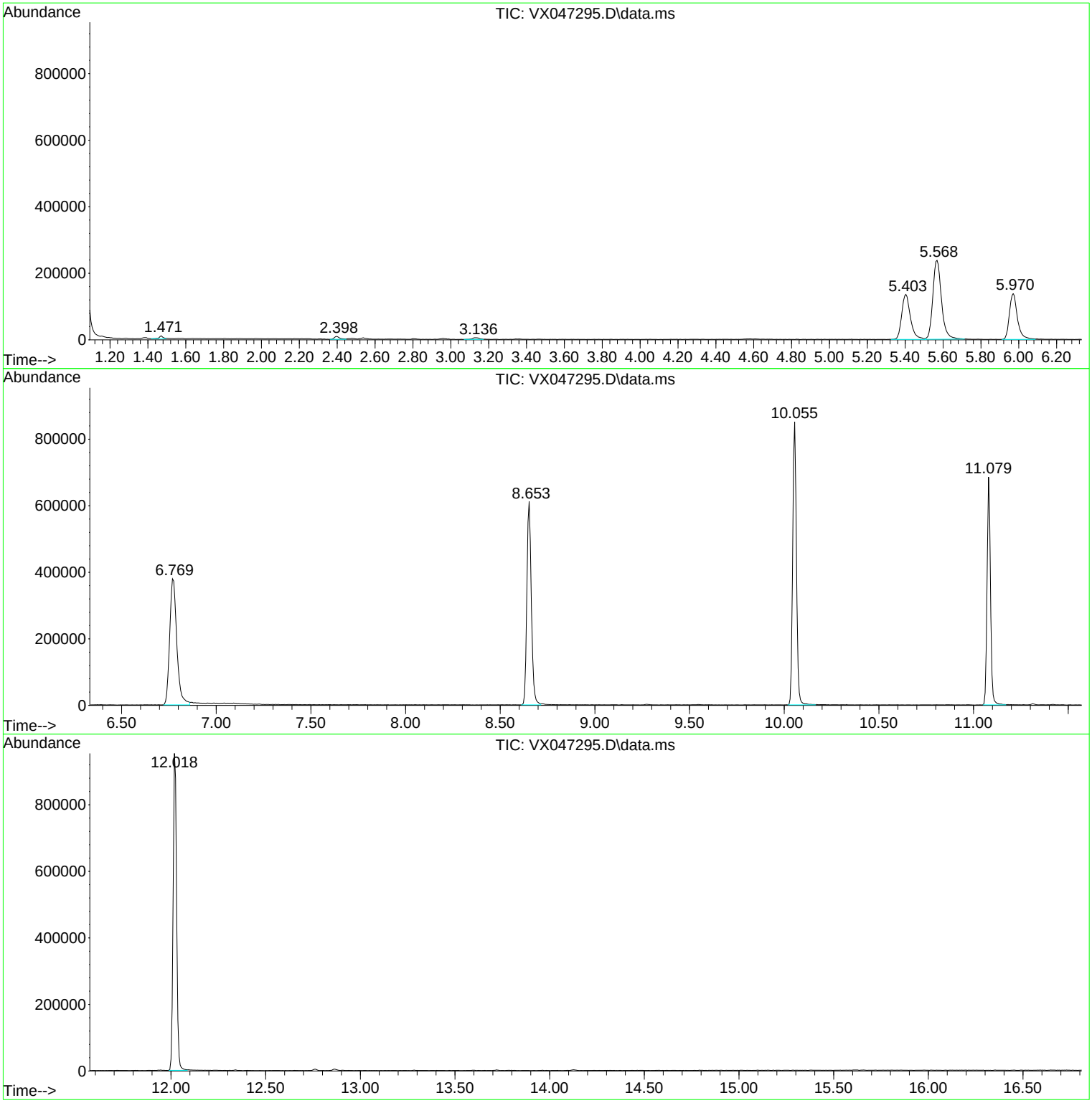
Sample Results: **VX047295.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047295.D
Acq On : 12 Aug 2025 14:34
Operator : JC/MD
Sample : Q2814-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047295.D
Acq On : 12 Aug 2025 14:34
Operator : JC/MD
Sample : Q2814-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX081225\
Data File : VX047295.D
Acq On : 12 Aug 2025 14:34
Operator : JC/MD
Sample : Q2814-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-06	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
VX047296.D	1	08/12/25 14:56	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	6.00		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-06	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
VX047296.D	1	08/12/25 14:56	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	43.1		81 - 118		86%	SPK: 50
1868-53-7	Dibromofluoromethane	45.4		80 - 119		91%	SPK: 50
2037-26-5	Toluene-d8	39.5	*	89 - 112		79%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		85 - 114		88%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	288000	5.568				
540-36-3	1,4-Difluorobenzene	492000	6.775				
3114-55-4	Chlorobenzene-d5	447000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	229000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-06	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
VX047296.D	1	08/12/25 14:56	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047296.D
Acq On : 12 Aug 2025 14:56
Operator : JC/MD
Sample : Q2814-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

Quant Time: Aug 13 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

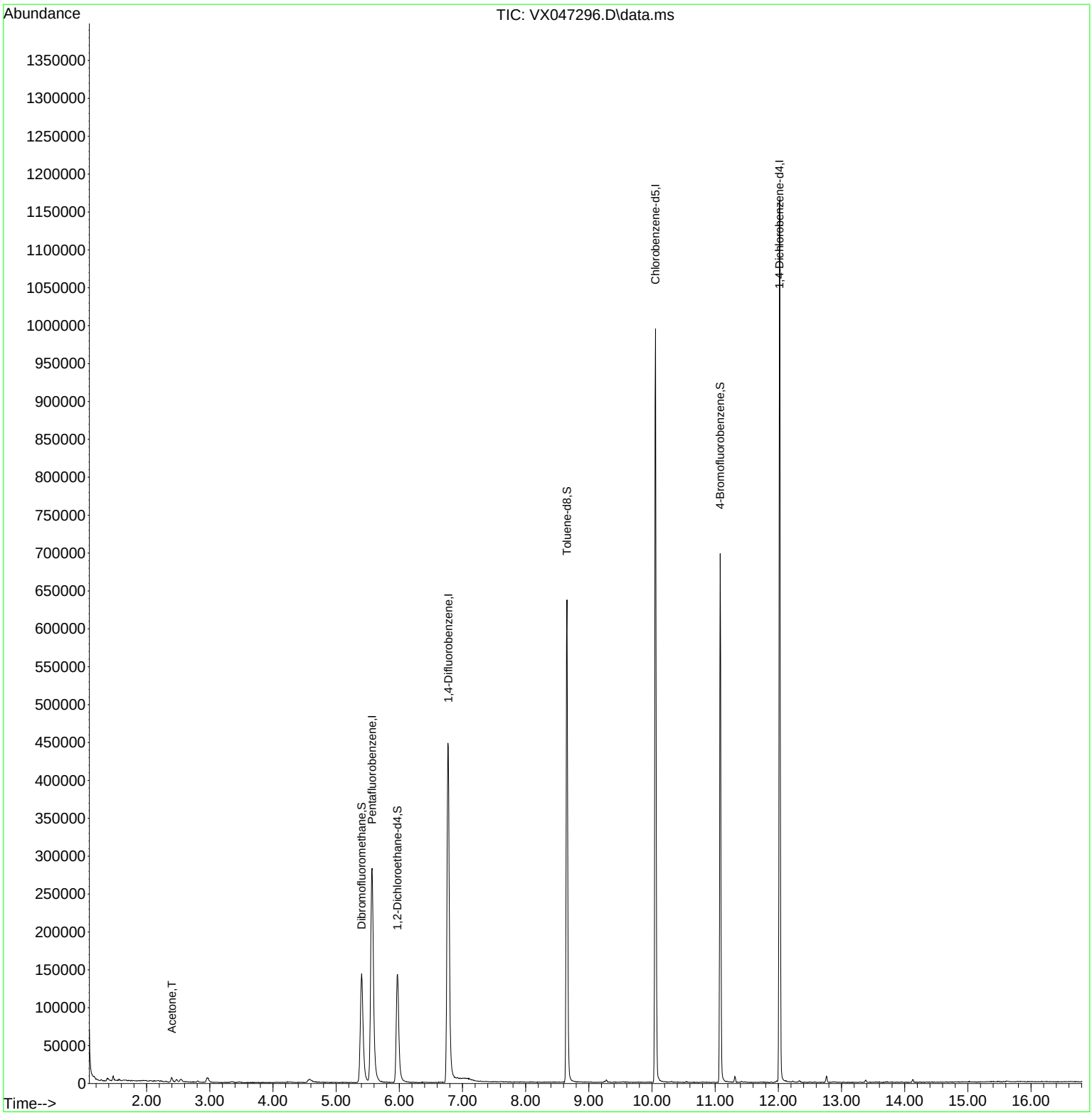
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	288206	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	492096	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	446908	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	228813	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	154815	43.122	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	86.240%		
35) Dibromofluoromethane	5.404	113	137943	45.400	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	90.800%		
50) Toluene-d8	8.653	98	388585	39.492	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	78.980%#		
62) 4-Bromofluorobenzene	11.079	95	187601	44.242	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	88.480%		
Target Compounds						Qvalue
16) Acetone	2.398	43	8650	6.014	ug/l	97

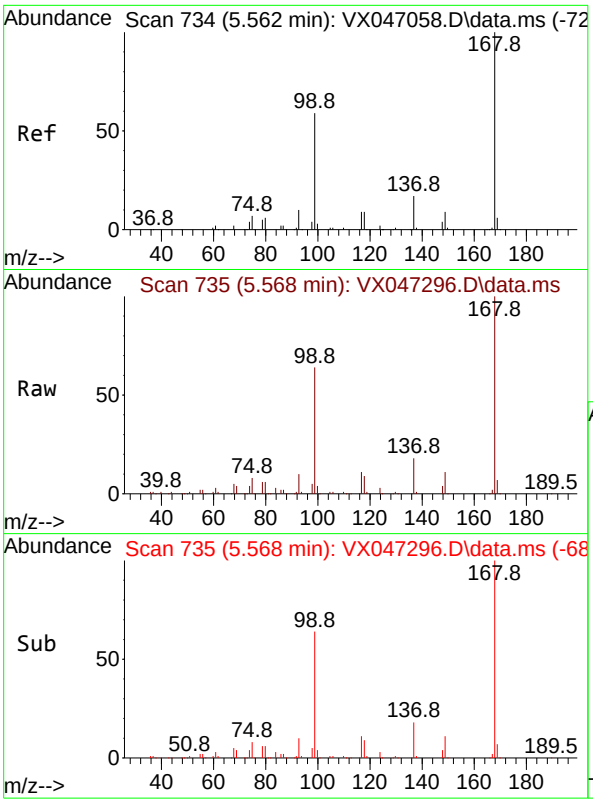
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047296.D
Acq On : 12 Aug 2025 14:56
Operator : JC/MD
Sample : Q2814-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

Quant Time: Aug 13 01:22:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



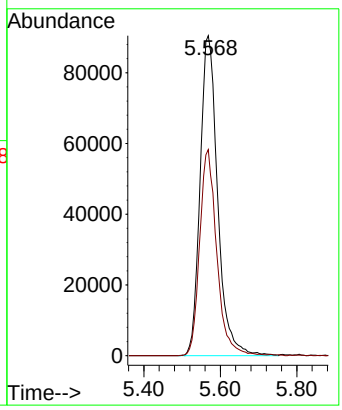


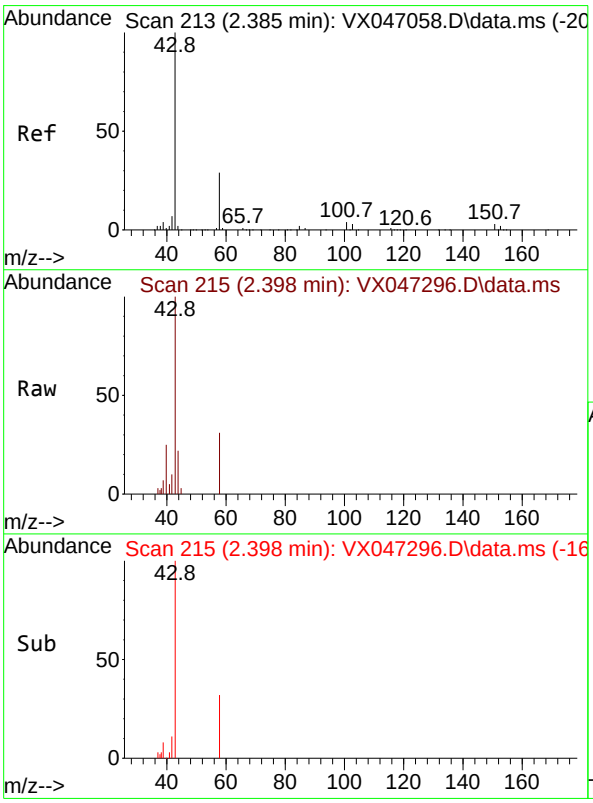
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

Tgt Ion:168 Resp: 288206

Ion	Ratio	Lower	Upper
168	100		
99	64.4	48.0	72.0

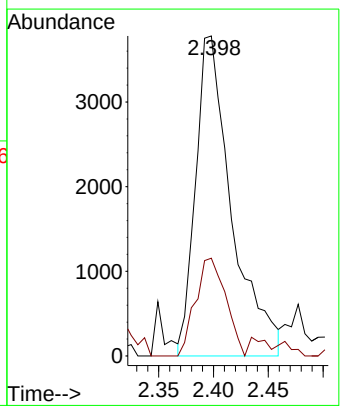


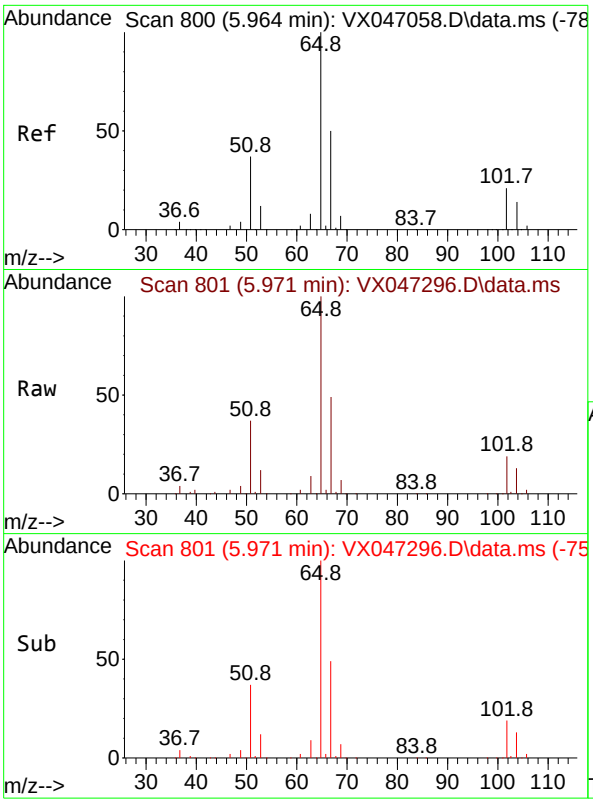


#16
Acetone
Concen: 6.014 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Tgt Ion: 43 Resp: 8650

Ion	Ratio	Lower	Upper
43	100		
58	31.7	24.0	36.0



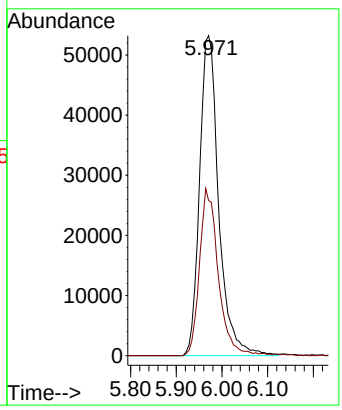


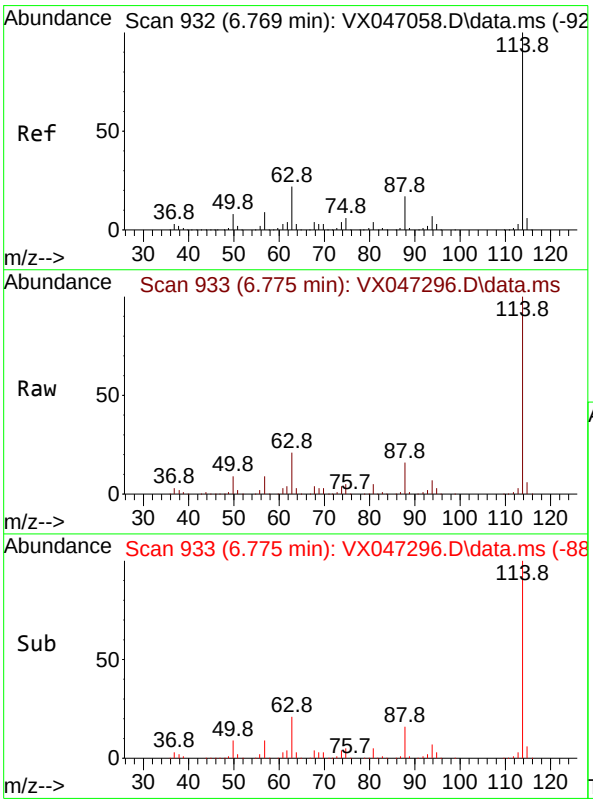
#33
1,2-Dichloroethane-d4
Concen: 43.122 ug/l
RT: 5.971 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

Tgt Ion: 65 Resp: 154815

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.8

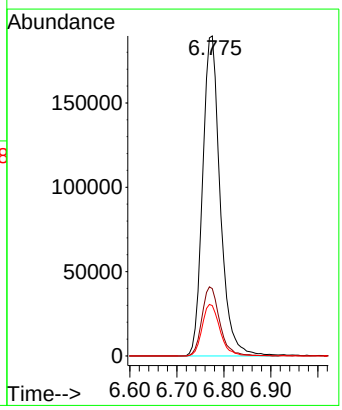


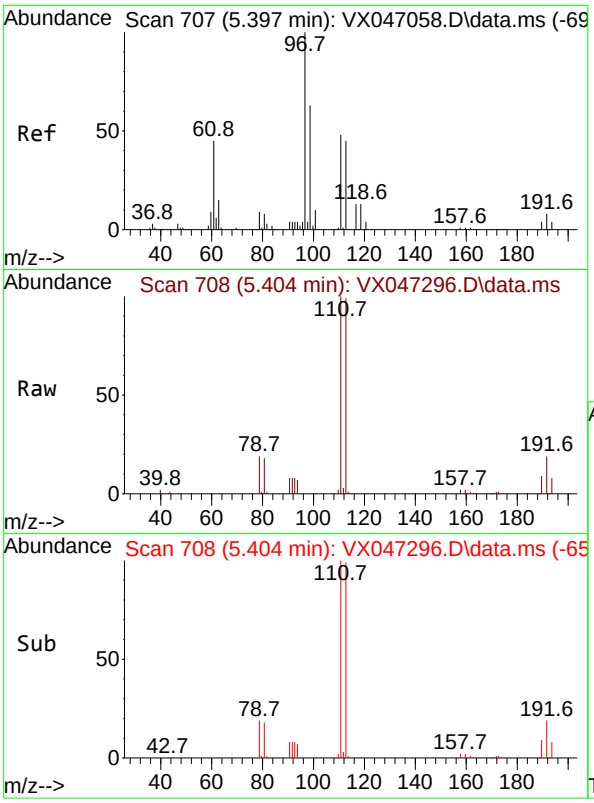


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.007 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Tgt Ion:114 Resp: 492096

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.2
88	15.8	0.0	33.8



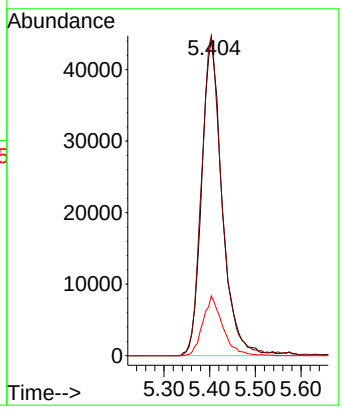


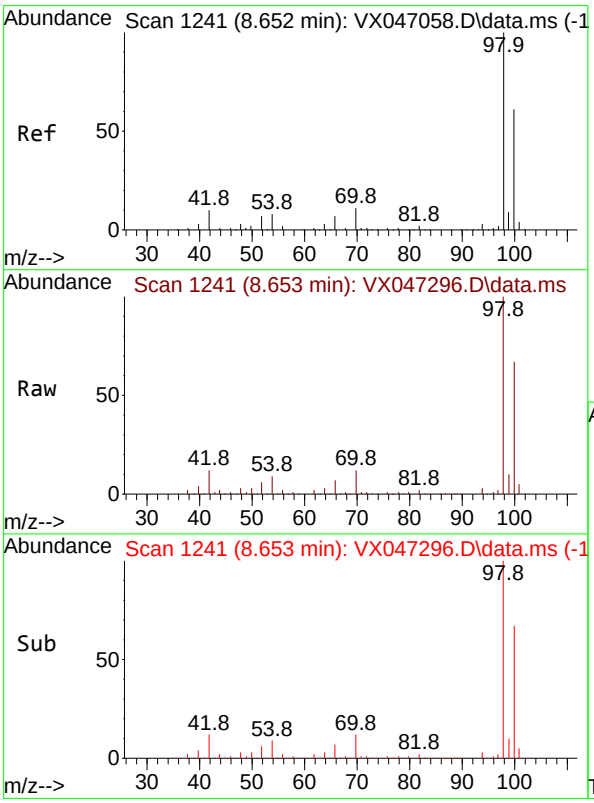
#35
Dibromofluoromethane
Concen: 45.400 ug/l
RT: 5.404 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

Tgt Ion:113 Resp: 137943

Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.6	124.0
192	18.2	14.9	22.3

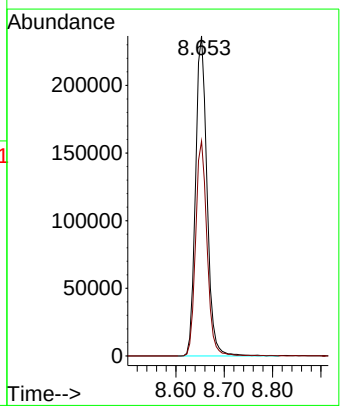


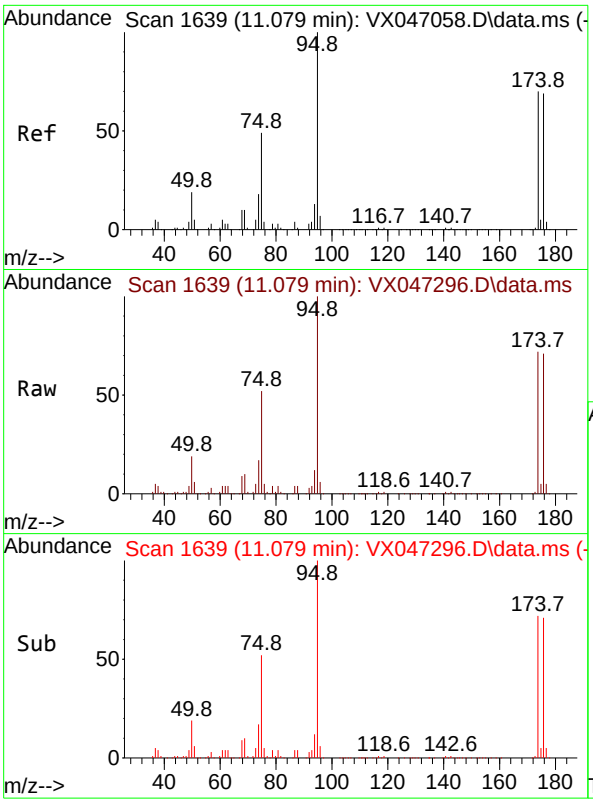


#50
Toluene-d8
Concen: 39.492 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Tgt Ion: 98 Resp: 388585

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9



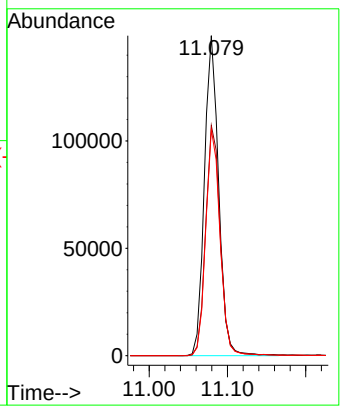


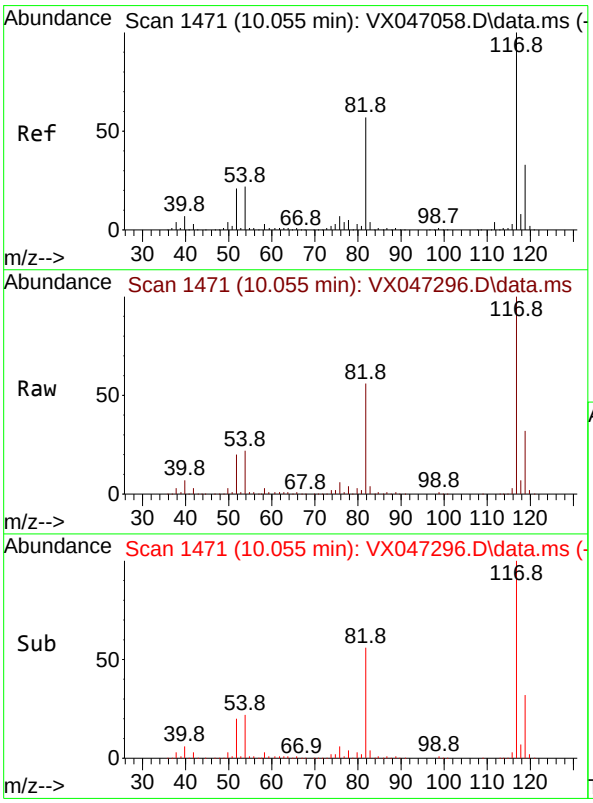
#62
4-Bromofluorobenzene
Concen: 44.242 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

Tgt Ion: 95 Resp: 187601

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	144.6
176	71.3	0.0	139.6

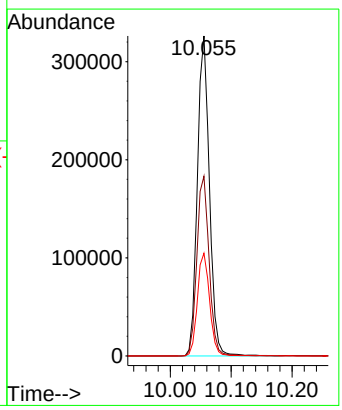


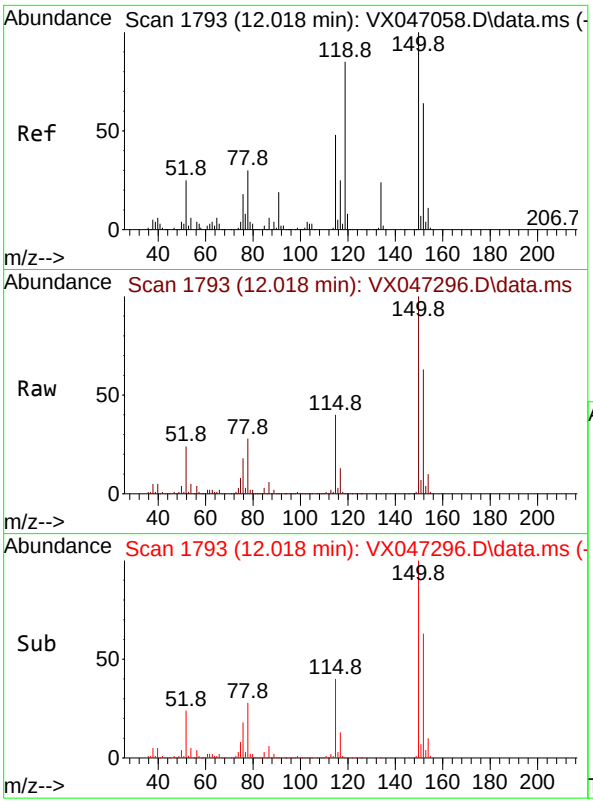


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Tgt Ion:117 Resp: 446908

Ion	Ratio	Lower	Upper
117	100		
82	56.2	45.4	68.2
119	32.1	26.1	39.1



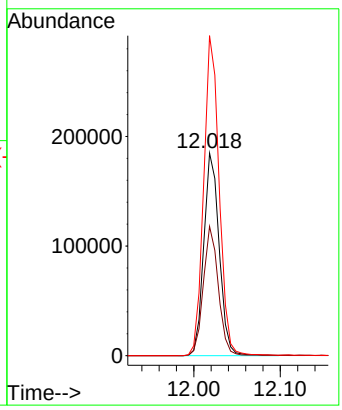


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047296.D
Acq: 12 Aug 2025 14:56

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

Tgt Ion:152 Resp: 228813

Ion	Ratio	Lower	Upper
152	100		
115	62.4	45.6	136.7
150	158.9	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047296.D
Acq On : 12 Aug 2025 14:56
Operator : JC/MD
Sample : Q2814-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047296.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.965	300	308	320	rBV4	6011	16620	1.17%	0.216%
2	4.581	561	573	586	rBV4	4297	19185	1.35%	0.249%
3	5.404	697	708	724	rBV2	143371	446150	31.32%	5.788%
4	5.568	724	735	758	rVB	281765	884853	62.11%	11.478%
5	5.971	792	801	817	rBV	142814	416069	29.21%	5.397%
6	6.769	923	932	949	rBV	447805	1174612	82.45%	15.237%
7	8.653	1234	1241	1256	rBV	636826	1045162	73.36%	13.558%
8	10.055	1465	1471	1482	rBV	994374	1388504	97.46%	18.012%
9	11.079	1634	1639	1653	rBV	697797	893038	62.68%	11.585%
10	12.018	1788	1793	1806	rBV	1162943	1424647	100.00%	18.481%

Sum of corrected areas: 7708840

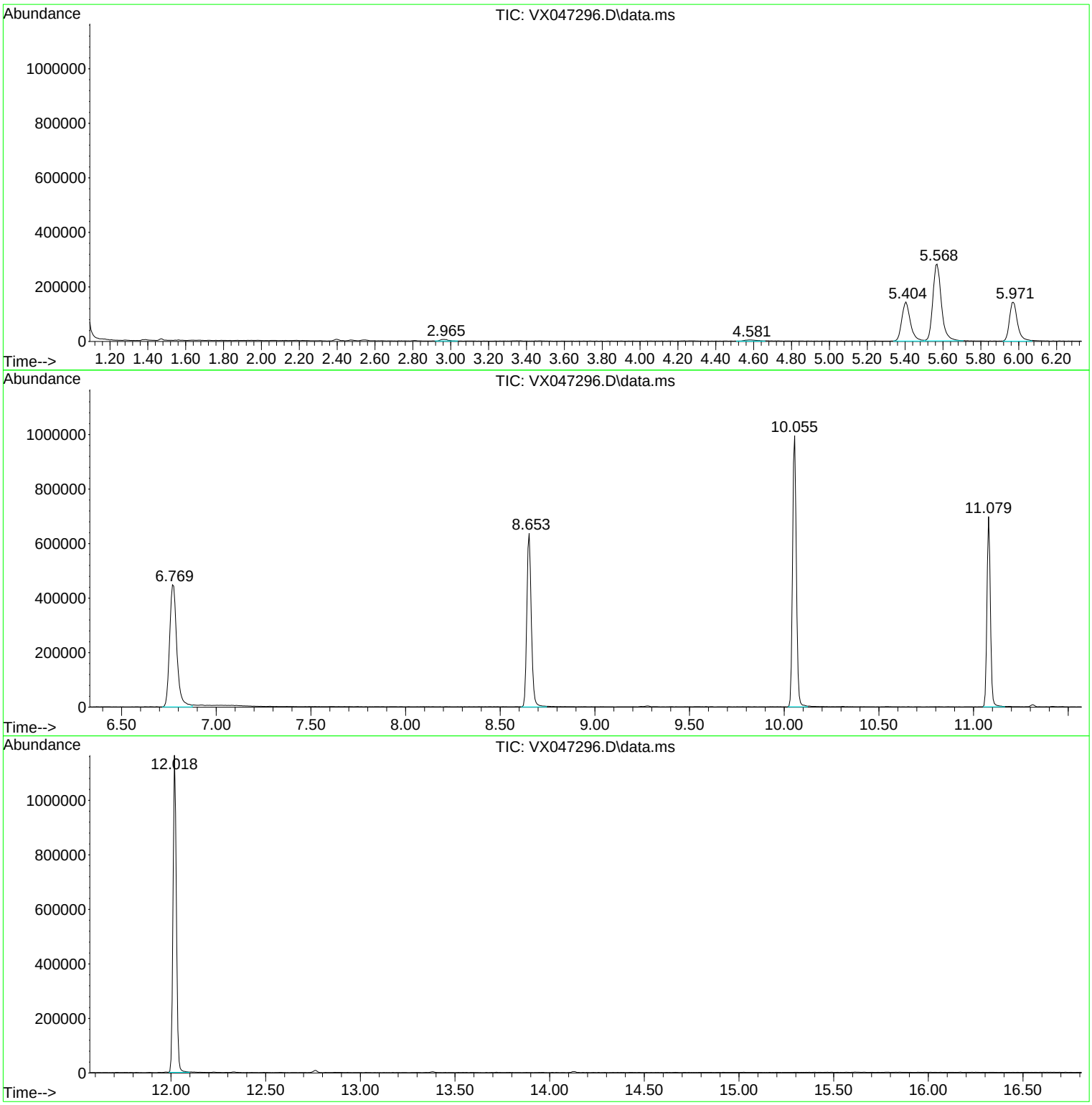
Sample Results: **VX047296.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047296.D
Acq On : 12 Aug 2025 14:56
Operator : JC/MD
Sample : Q2814-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047296.D
Acq On : 12 Aug 2025 14:56
Operator : JC/MD
Sample : Q2814-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047296.D
Acq On : 12 Aug 2025 14:56
Operator : JC/MD
Sample : Q2814-06
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-SRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-06RE	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
VX047317.D	1	08/13/25 13:18	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	9.10		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-SRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-06RE	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
VX047317.D	1	08/13/25 13:18	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.7	*	81 - 118		119%	SPK: 50
1868-53-7	Dibromofluoromethane	57.2		80 - 119		114%	SPK: 50
2037-26-5	Toluene-d8	48.0		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	190000	5.568				
540-36-3	1,4-Difluorobenzene	346000	6.775				
3114-55-4	Chlorobenzene-d5	321000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	165000	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-SRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-06RE	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
VX047317.D	1	08/13/25 13:18	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081325\
Data File : VX047317.D
Acq On : 13 Aug 2025 13:18
Operator : JC/MD
Sample : Q2814-06RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-SRE

Quant Time: Aug 14 03:28:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

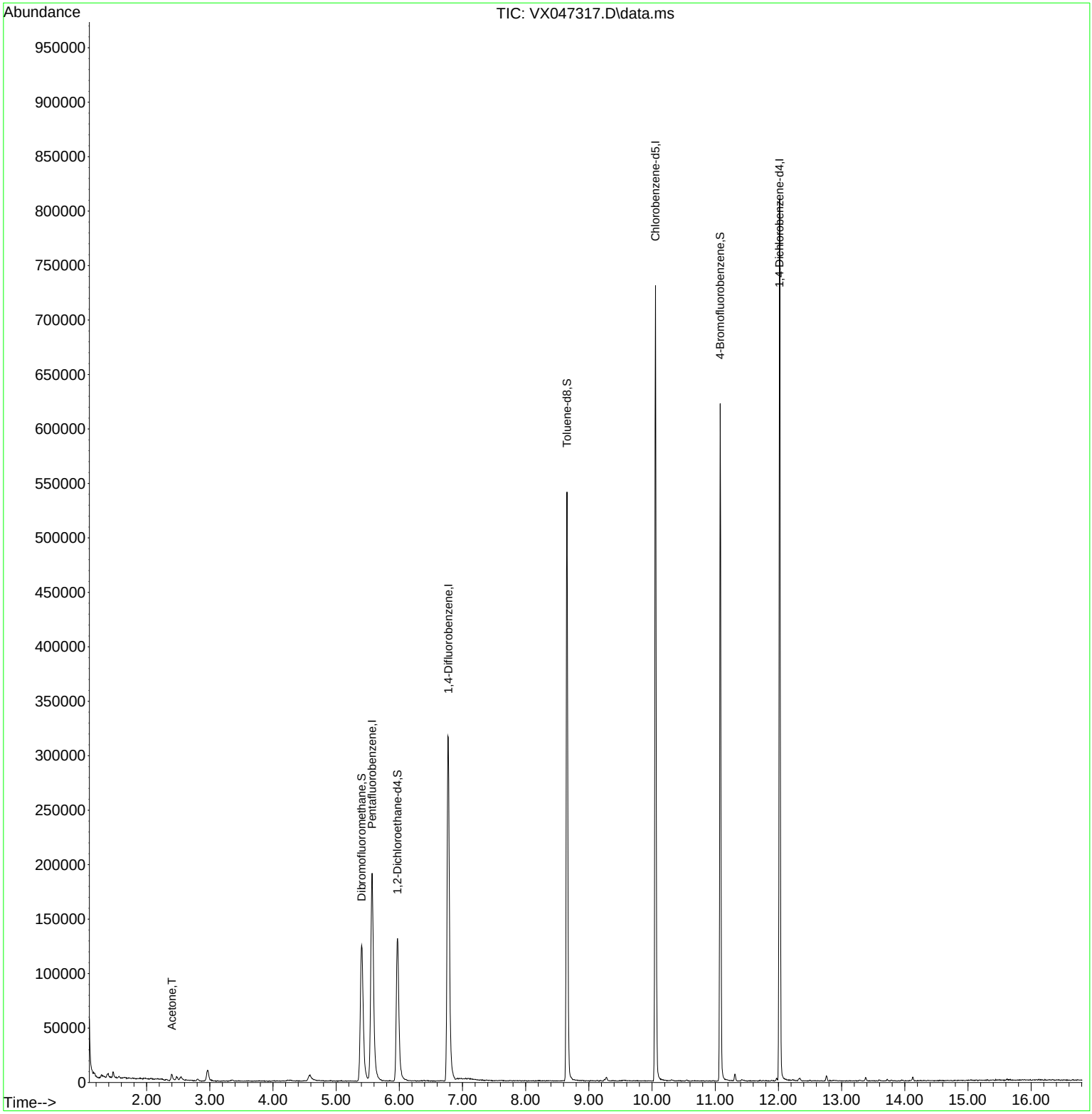
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	190085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	345739	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321042	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	164920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	141472	59.747	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.500%#			
35) Dibromofluoromethane	5.404	113	122206	57.247	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.500%			
50) Toluene-d8	8.653	98	331608	47.967	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.940%			
62) 4-Bromofluorobenzene	11.079	95	165199	55.451	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.900%			
Target Compounds						Qvalue
16) Acetone	2.398	43	8598	9.064	ug/l	93

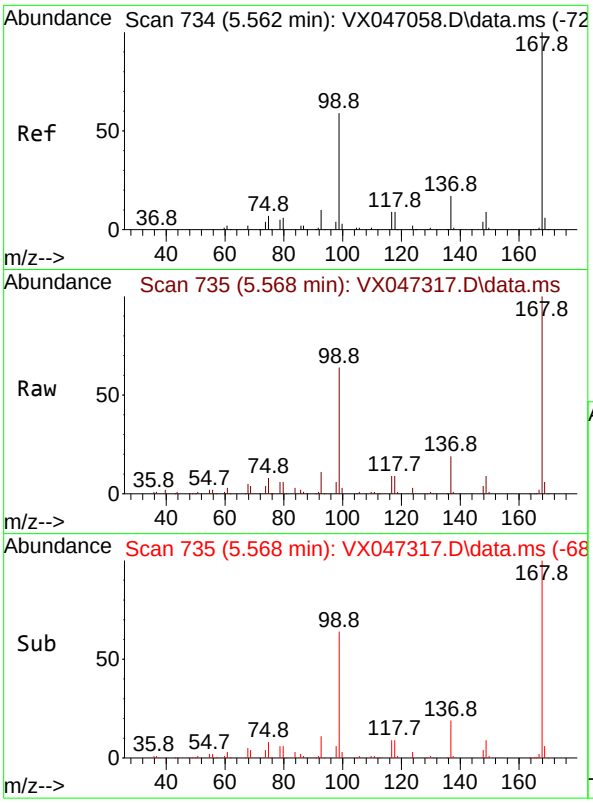
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047317.D
Acq On : 13 Aug 2025 13:18
Operator : JC/MD
Sample : Q2814-06RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-SRE

Quant Time: Aug 14 03:28:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



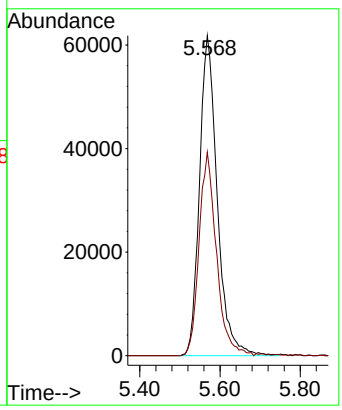


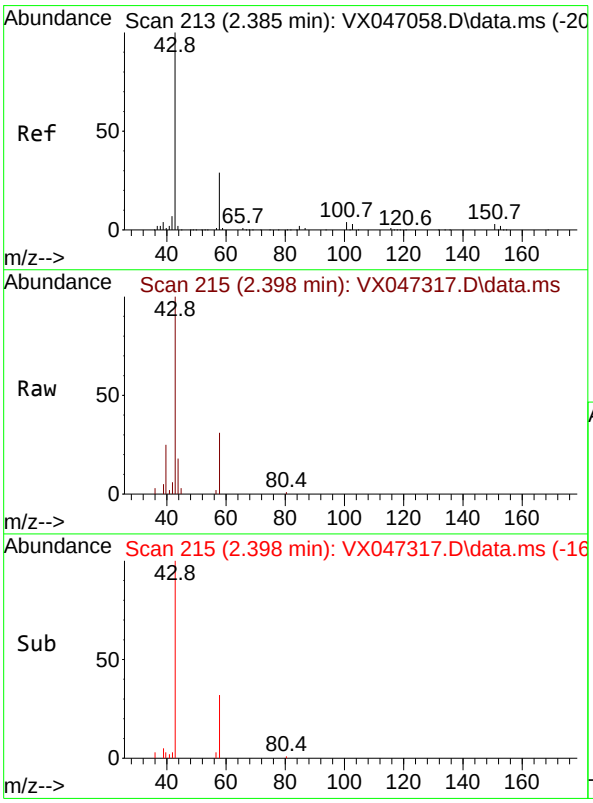
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-SRE

Tgt Ion:168 Resp: 190085

Ion	Ratio	Lower	Upper
168	100		
99	63.6	48.0	72.0

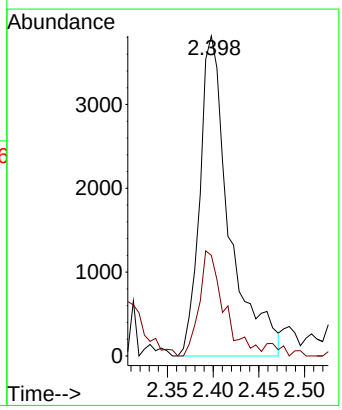


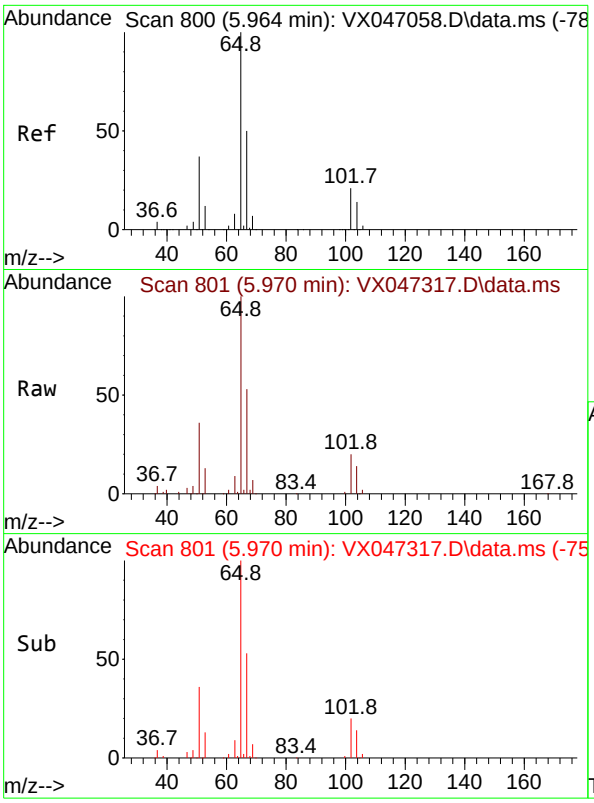


#16
Acetone
Concen: 9.064 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Tgt Ion: 43 Resp: 8598

Ion	Ratio	Lower	Upper
43	100		
58	33.9	24.0	36.0



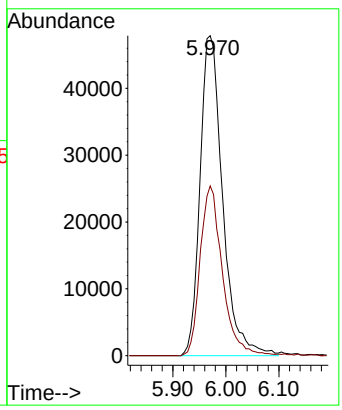


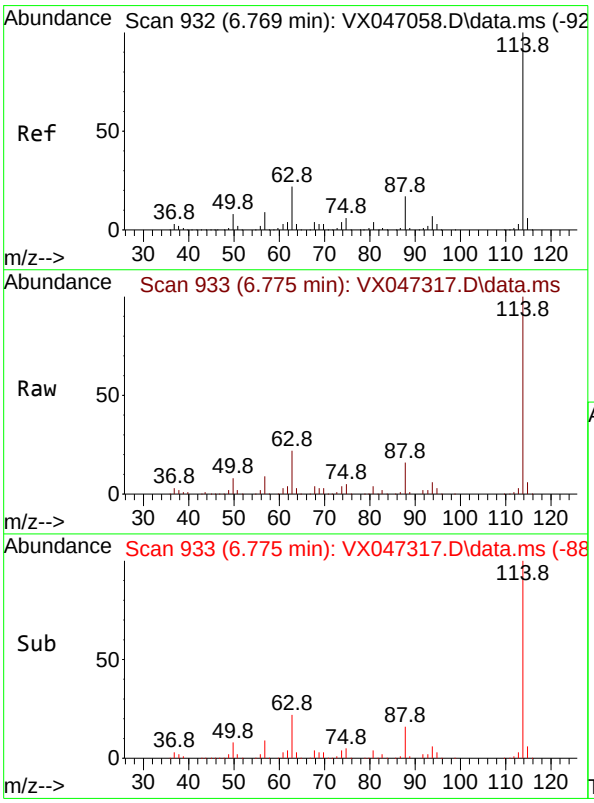
#33
1,2-Dichloroethane-d4
Concen: 59.747 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-SRE

Tgt Ion: 65 Resp: 141472

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.8

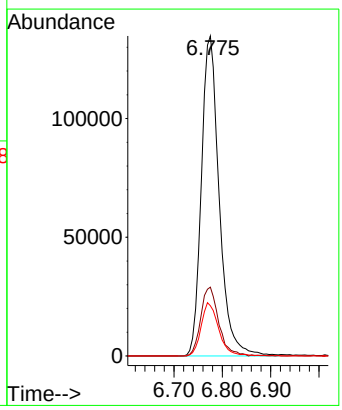


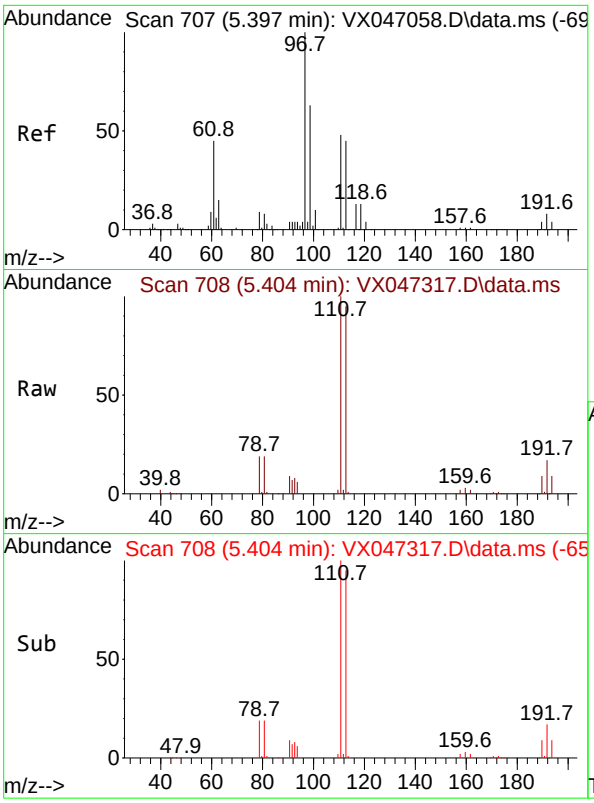


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.007 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Tgt Ion:114 Resp: 345739

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.2
88	15.7	0.0	33.8



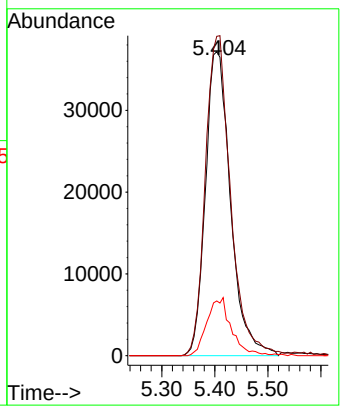


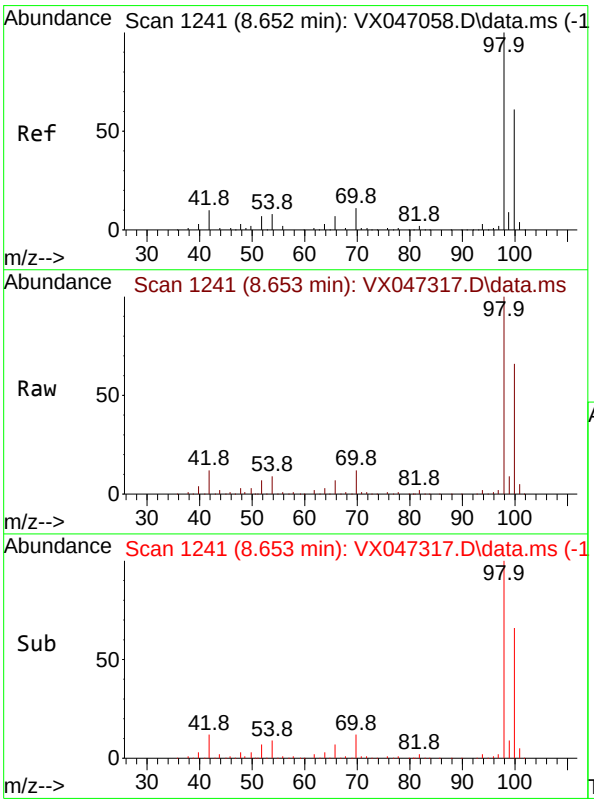
#35
Dibromofluoromethane
Concen: 57.247 ug/l
RT: 5.404 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-SRE

Tgt Ion:113 Resp: 122206

Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.6	124.0
192	18.5	14.9	22.3

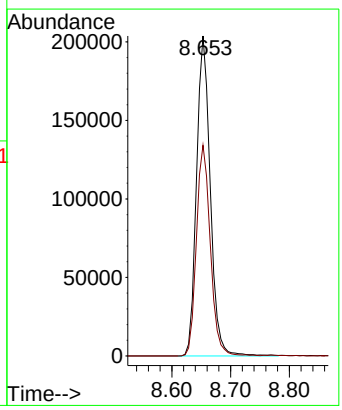


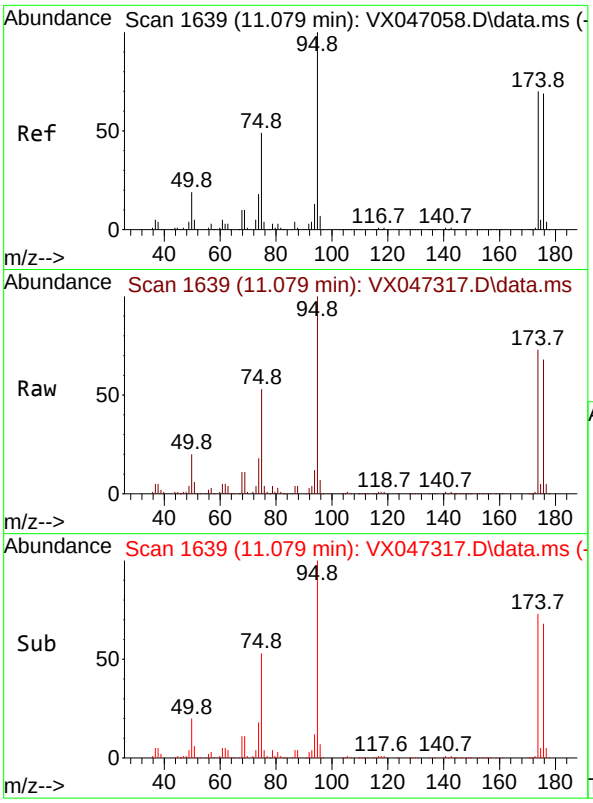


#50
Toluene-d8
Concen: 47.967 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Tgt Ion: 98 Resp: 331608

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9



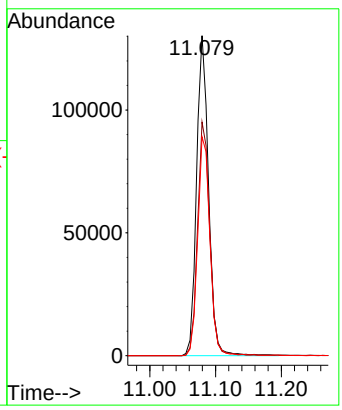


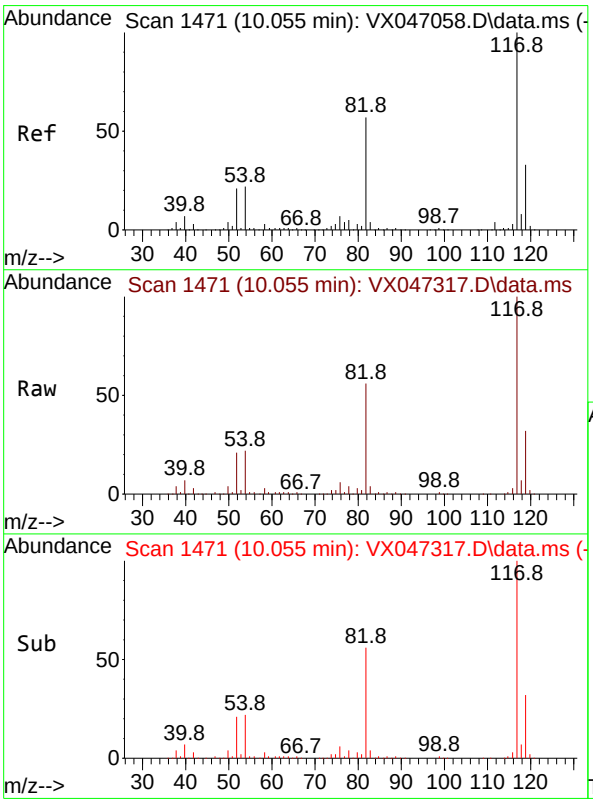
#62
4-Bromofluorobenzene
Concen: 55.451 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-SRE

Tgt Ion: 95 Resp: 165199

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	144.6
176	70.0	0.0	139.6

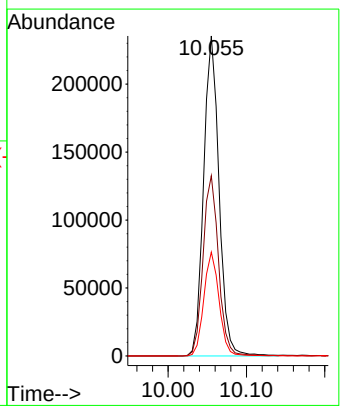


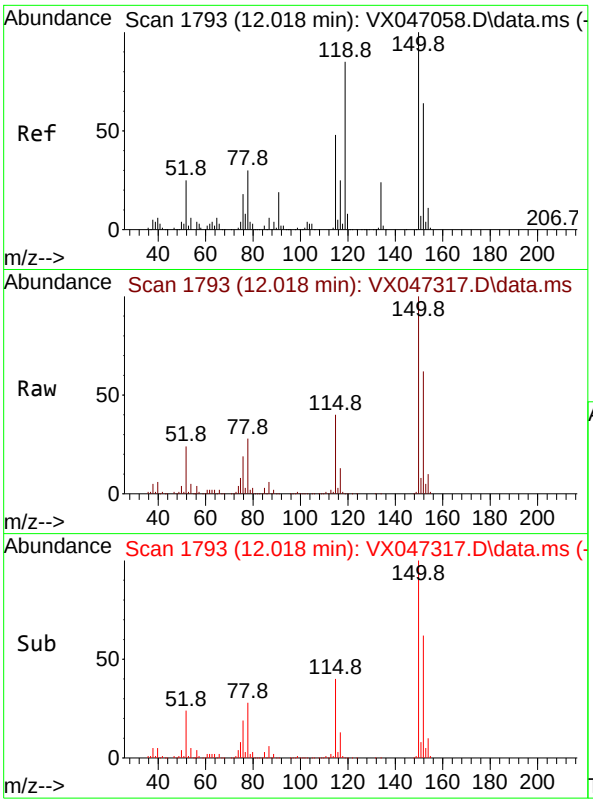


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Tgt Ion:117 Resp: 321042

Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.4	68.2
119	32.5	26.1	39.1



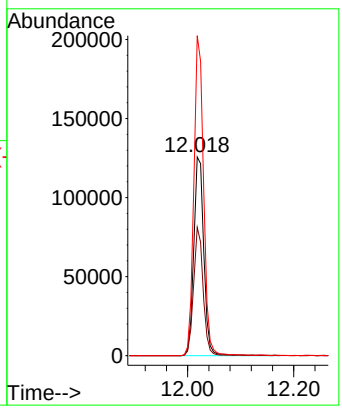


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047317.D
Acq: 13 Aug 2025 13:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-SRE

Tgt Ion:152 Resp: 164920

Ion	Ratio	Lower	Upper
152	100		
115	61.5	45.6	136.7
150	155.8	0.0	354.6



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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-07	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
VX047297.D	1	08/12/25 15:18	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	5.50		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	1.40		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	24.6		0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-07	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
VX047297.D	1	08/12/25 15:18	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.34	J	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	42.2		81 - 118		84%	SPK: 50
1868-53-7	Dibromofluoromethane	43.2		80 - 119		86%	SPK: 50
2037-26-5	Toluene-d8	37.6	*	89 - 112		75%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.7		85 - 114		85%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	363000	5.562				
540-36-3	1,4-Difluorobenzene	637000	6.769				
3114-55-4	Chlorobenzene-d5	569000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	291000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-07	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
VX047297.D	1	08/12/25 15:18	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	94.6	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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047297.D
Acq On : 12 Aug 2025 15:18
Operator : JC/MD
Sample : Q2814-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

Quant Time: Aug 13 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

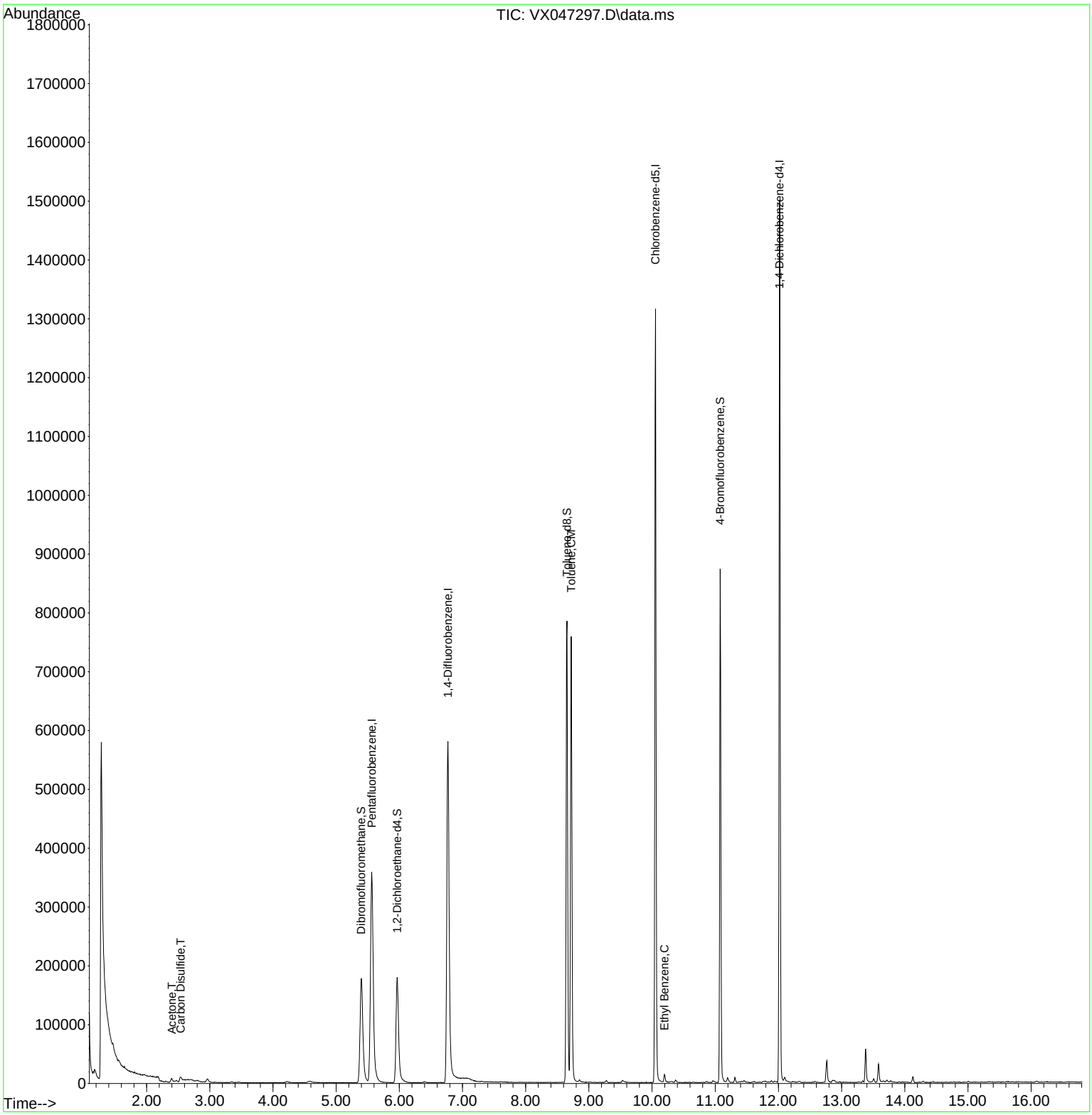
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	362823	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	637261	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	569300	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	291317	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	190629	42.178	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	84.360%		
35) Dibromofluoromethane	5.397	113	170160	43.246	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.500%		
50) Toluene-d8	8.653	98	478891	37.583	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	75.160%#		
62) 4-Bromofluorobenzene	11.079	95	234682	42.738	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	85.480%		
Target Compounds						Qvalue
16) Acetone	2.398	43	9967	5.505	ug/l #	87
17) Carbon Disulfide	2.538	76	18403	1.395	ug/l #	76
52) Toluene	8.720	92	293648	24.604	ug/l	98
67) Ethyl Benzene	10.195	91	7896	0.339	ug/l	91

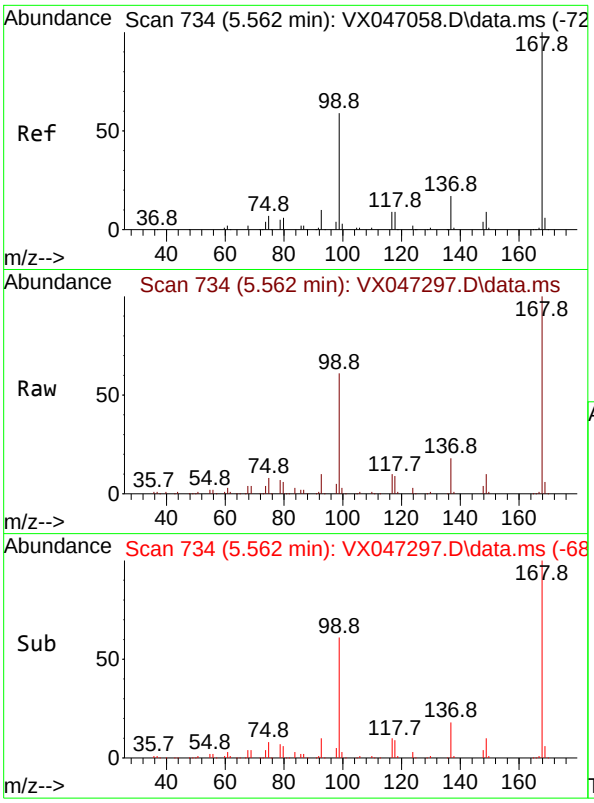
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047297.D
Acq On : 12 Aug 2025 15:18
Operator : JC/MD
Sample : Q2814-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

Quant Time: Aug 13 01:22:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



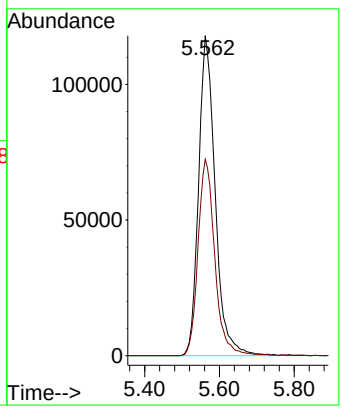


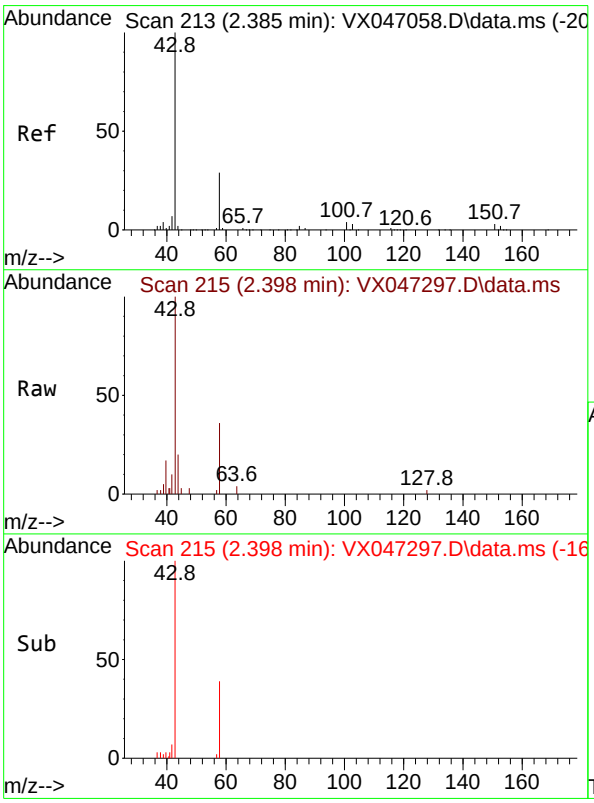
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

Tgt Ion:168 Resp: 362823

Ion	Ratio	Lower	Upper
168	100		
99	61.3	48.0	72.0

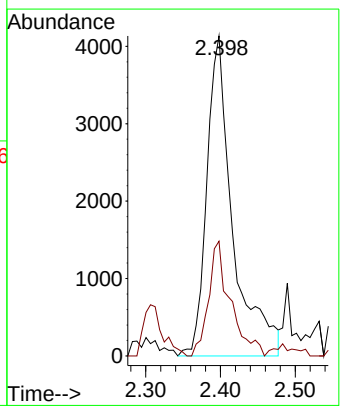


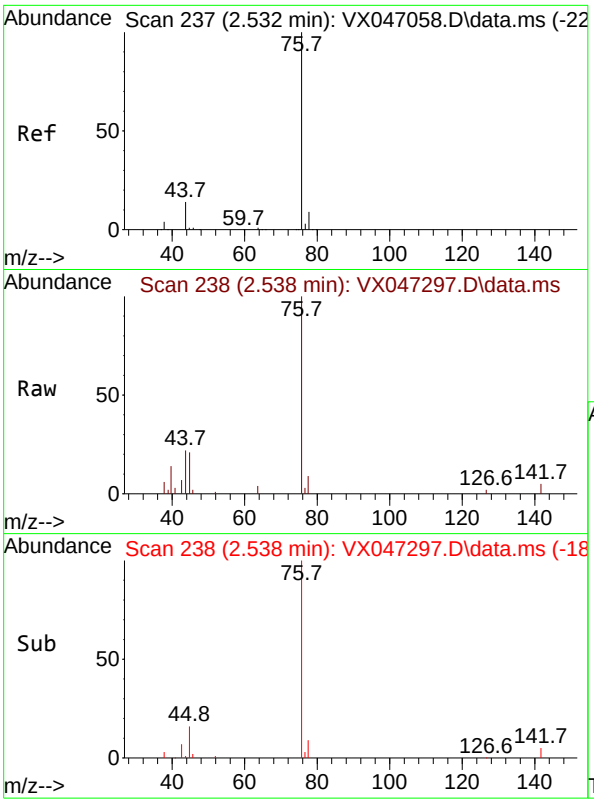


#16
Acetone
Concen: 5.505 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion: 43 Resp: 9967

Ion	Ratio	Lower	Upper
43	100		
58	36.8	24.0	36.0#



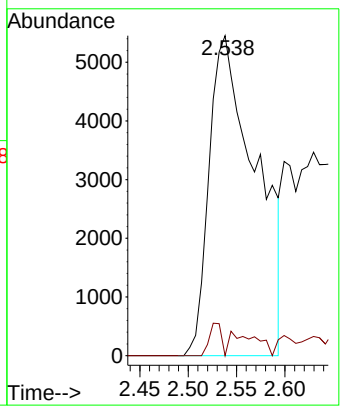


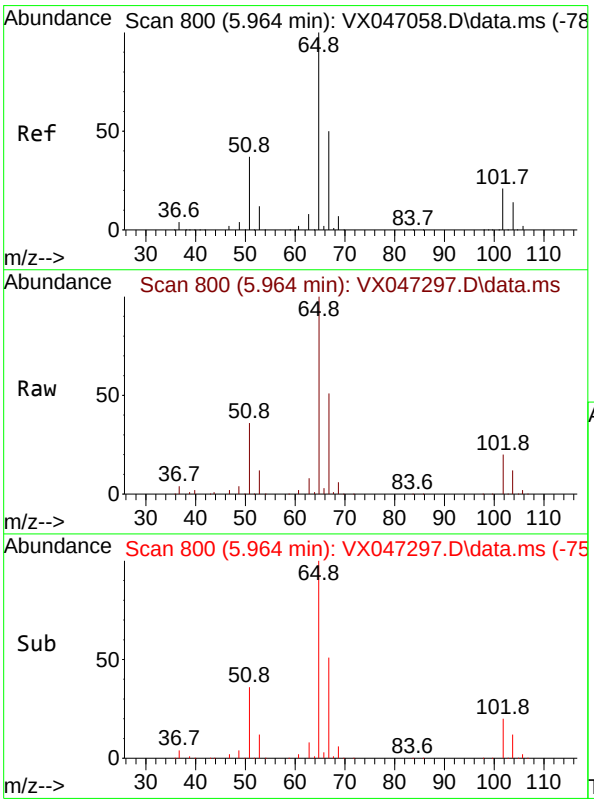
#17
Carbon Disulfide
Concen: 1.395 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

Tgt Ion: 76 Resp: 18403

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

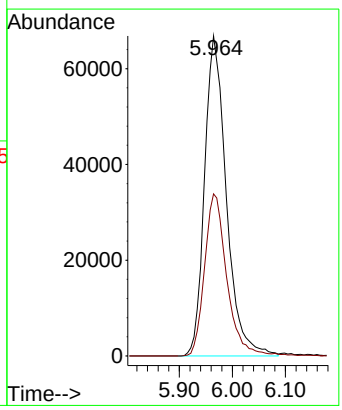


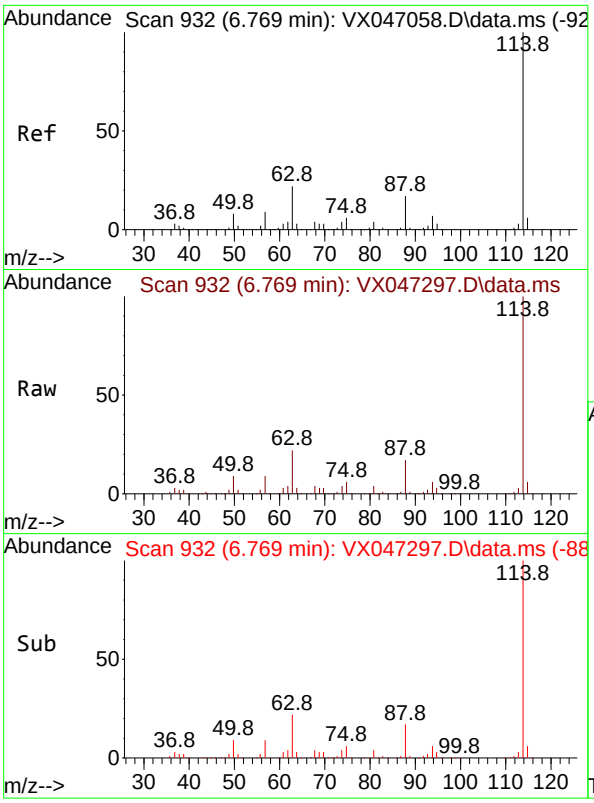


#33
1,2-Dichloroethane-d4
Concen: 42.178 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion: 65 Resp: 190629

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.8



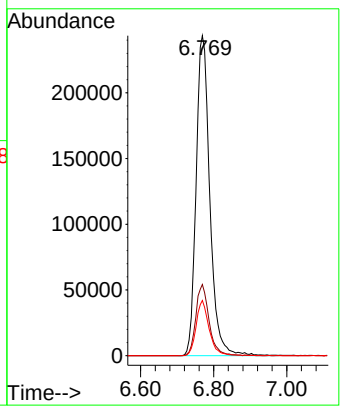


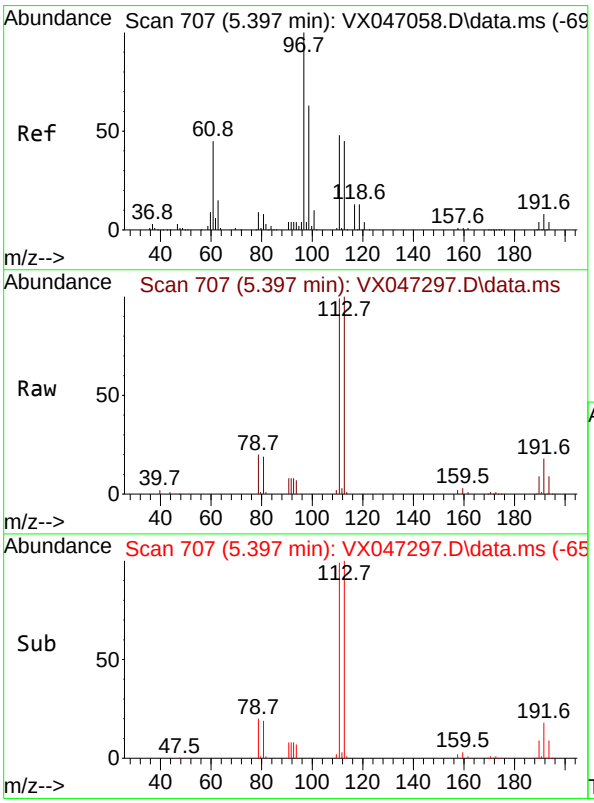
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

Tgt Ion:114 Resp: 637261

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.2
88	17.3	0.0	33.8

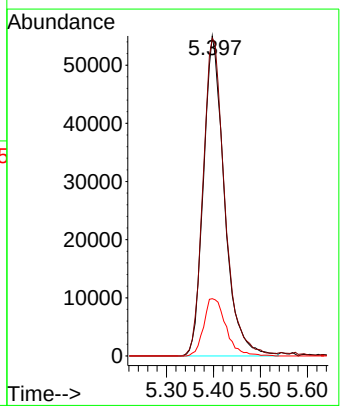


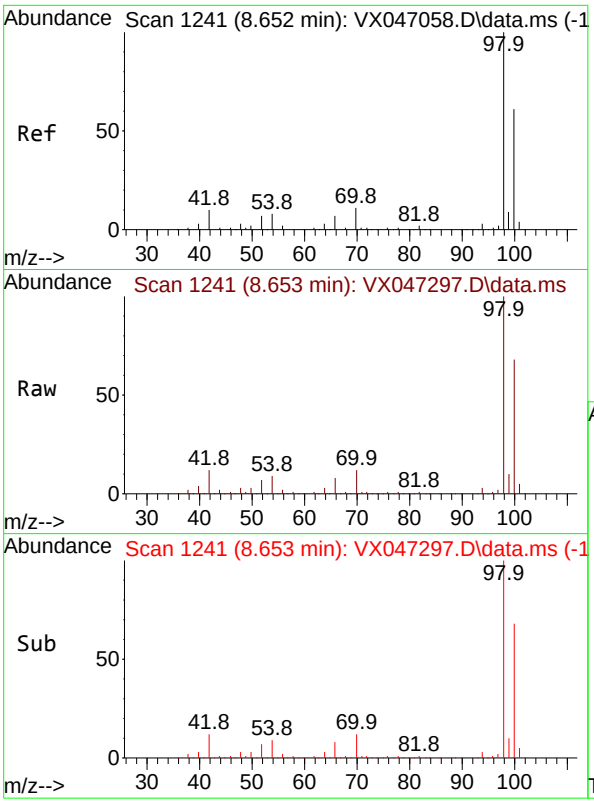


#35
Dibromofluoromethane
Concen: 43.246 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion:113 Resp: 170160

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.6	124.0
192	19.0	14.9	22.3



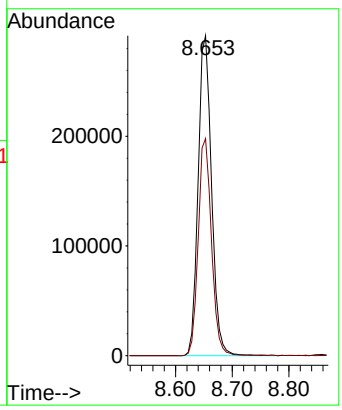


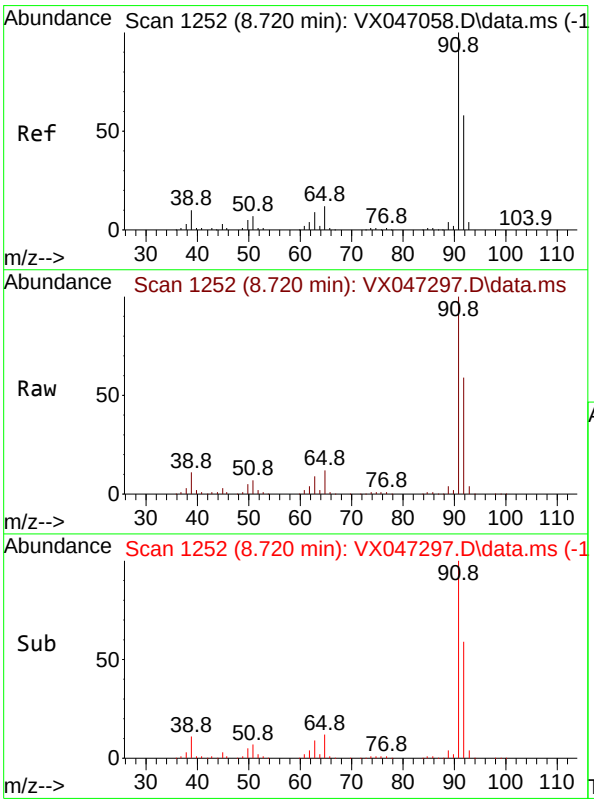
#50
Toluene-d8
Concen: 37.583 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

Tgt Ion: 98 Resp: 478891

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9

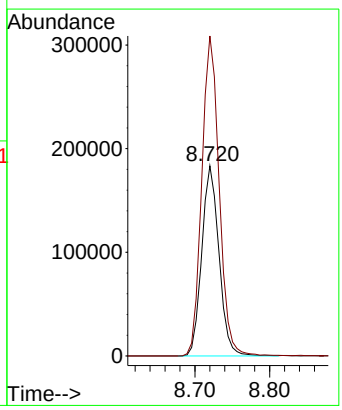


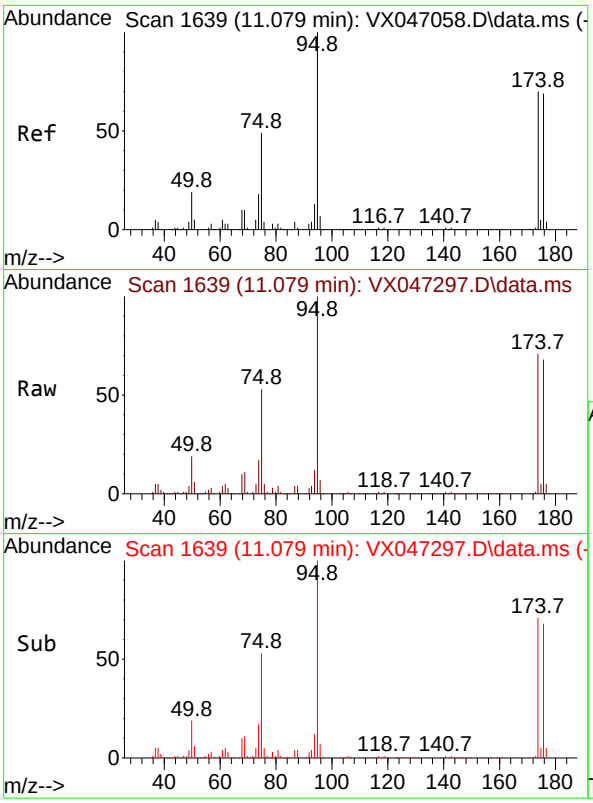


#52
Toluene
Concen: 24.604 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion: 92 Resp: 293648

Ion	Ratio	Lower	Upper
92	100		
91	170.0	137.9	206.9



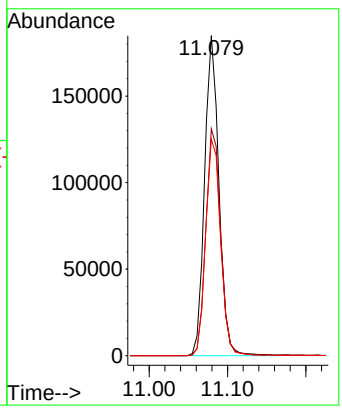


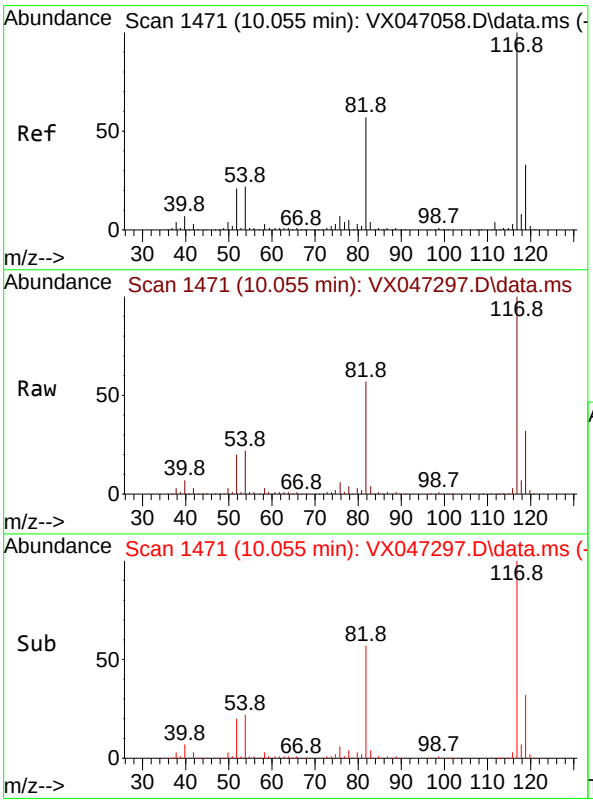
#62
4-Bromofluorobenzene
Concen: 42.738 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

Tgt Ion: 95 Resp: 234682

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	144.6
176	70.5	0.0	139.6

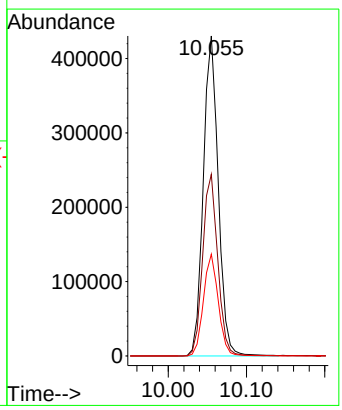


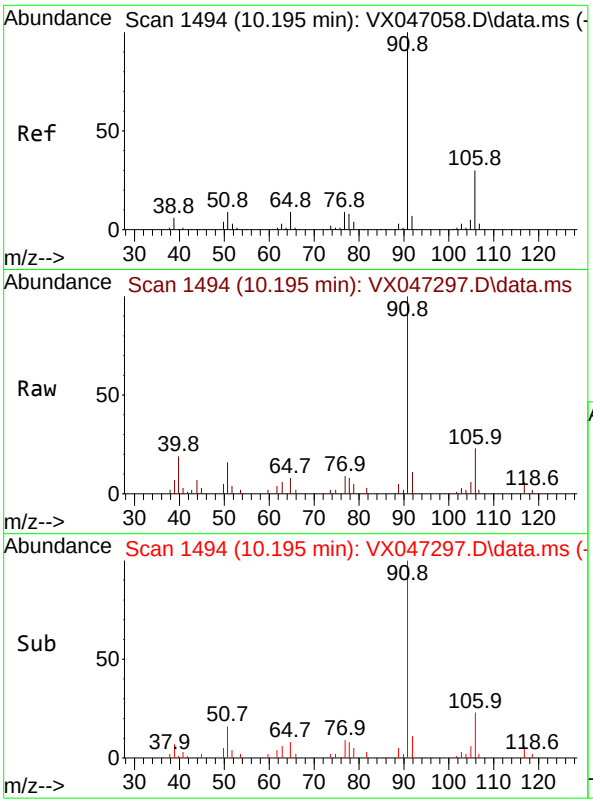


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion:117 Resp: 569300

Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.4	68.2
119	31.8	26.1	39.1



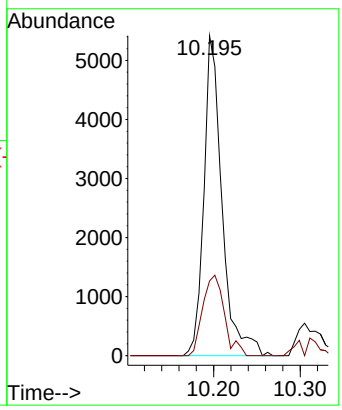


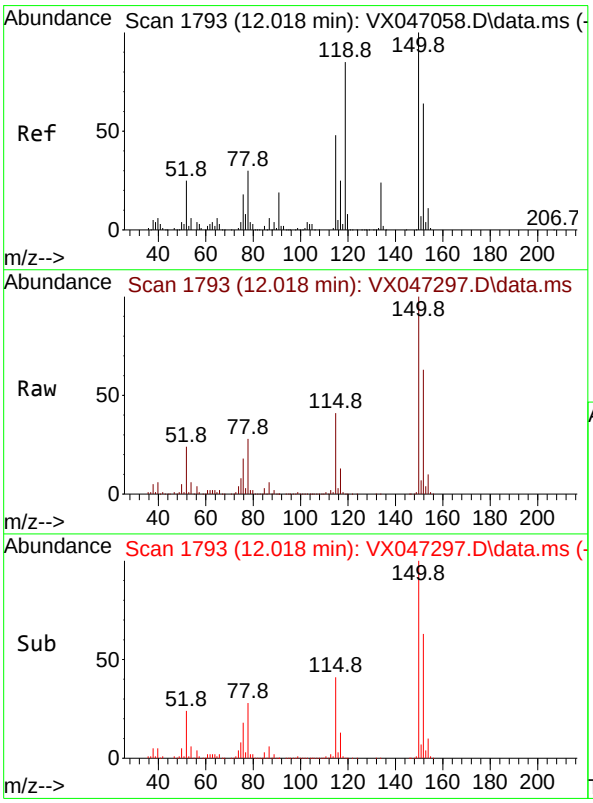
#67
Ethyl Benzene
Concen: 0.339 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

Tgt Ion: 91 Resp: 7896

Ion	Ratio	Lower	Upper
91	100		
106	25.1	24.2	36.4

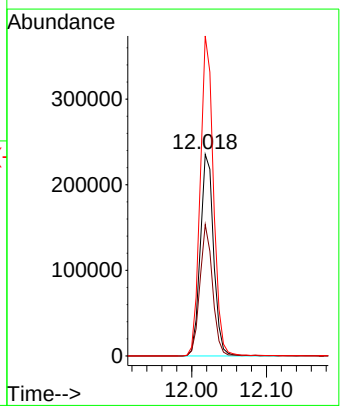




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047297.D
Acq: 12 Aug 2025 15:18

Tgt Ion:152 Resp: 291317

Ion	Ratio	Lower	Upper
152	100		
115	62.3	45.6	136.7
150	157.5	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047297.D
Acq On : 12 Aug 2025 15:18
Operator : JC/MD
Sample : Q2814-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047297.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.173	13	14	24	rVB2	15009	30533	1.46%	0.230%
2	1.282	27	32	60	rBV	571872	2089523	100.00%	15.738%
3	5.397	695	707	724	rBV2	177480	560617	26.83%	4.223%
4	5.562	724	734	758	rVB	357191	1104513	52.86%	8.319%
5	5.964	789	800	828	rBV	179161	525347	25.14%	3.957%
6	6.769	922	932	958	rBV	579942	1552400	74.29%	11.693%
7	8.653	1233	1241	1247	rBV	784453	1291178	61.79%	9.725%
8	8.720	1247	1252	1267	rVB	756922	1218841	58.33%	9.180%
9	10.055	1465	1471	1487	rBV	1314872	1772118	84.81%	13.348%
10	11.079	1634	1639	1649	rBV	873226	1119812	53.59%	8.434%
11	12.018	1788	1793	1803	rBV	1499863	1824807	87.33%	13.745%
12	12.768	1909	1916	1923	rBV2	36790	59089	2.83%	0.445%
13	13.384	2012	2017	2026	rBV	55912	81161	3.88%	0.611%
14	13.585	2044	2050	2056	rBV3	30605	46661	2.23%	0.351%

Sum of corrected areas: 13276600

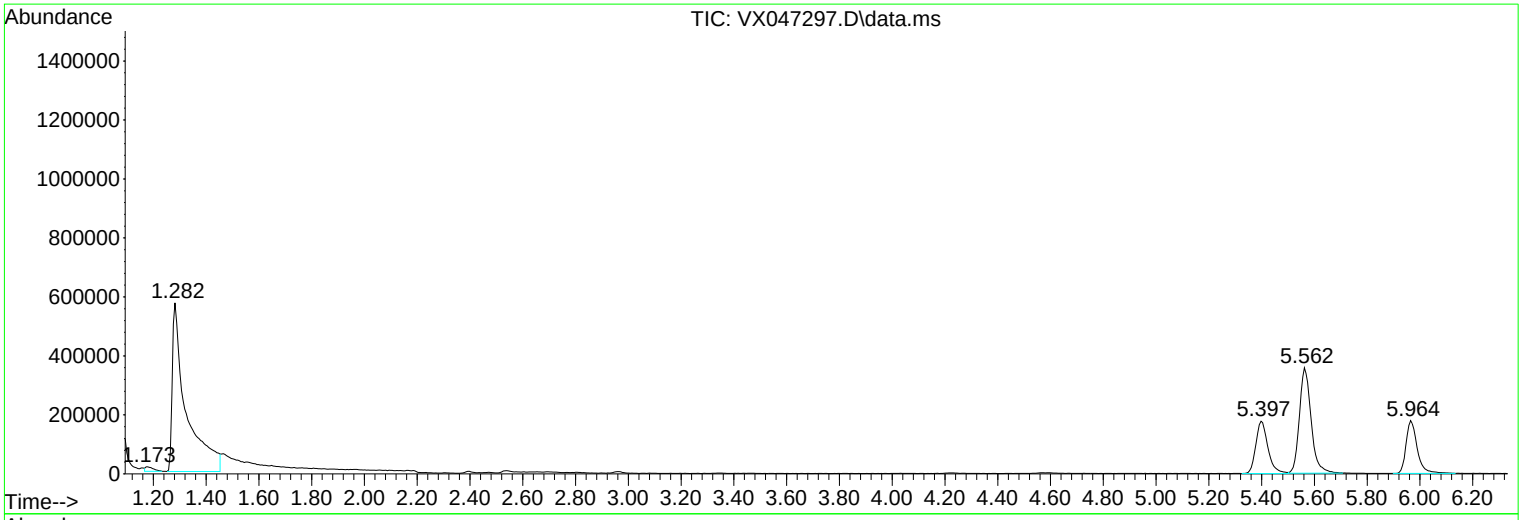
Sample Results: **VX047297.D**

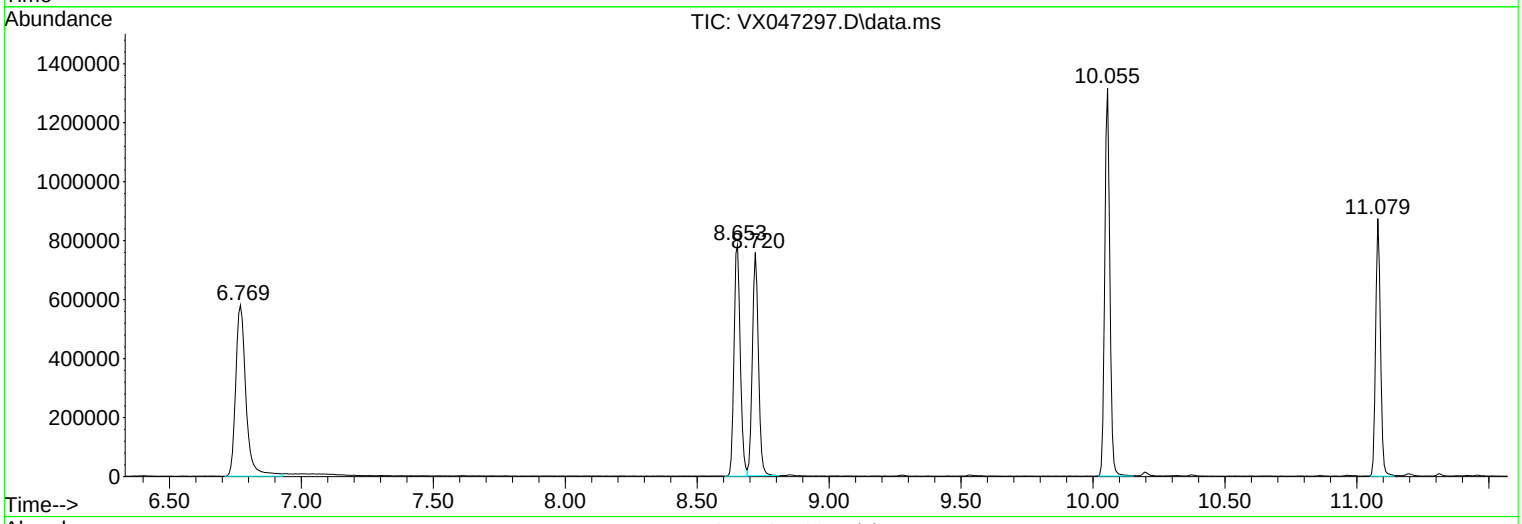
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047297.D
Acq On : 12 Aug 2025 15:18
Operator : JC/MD
Sample : Q2814-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

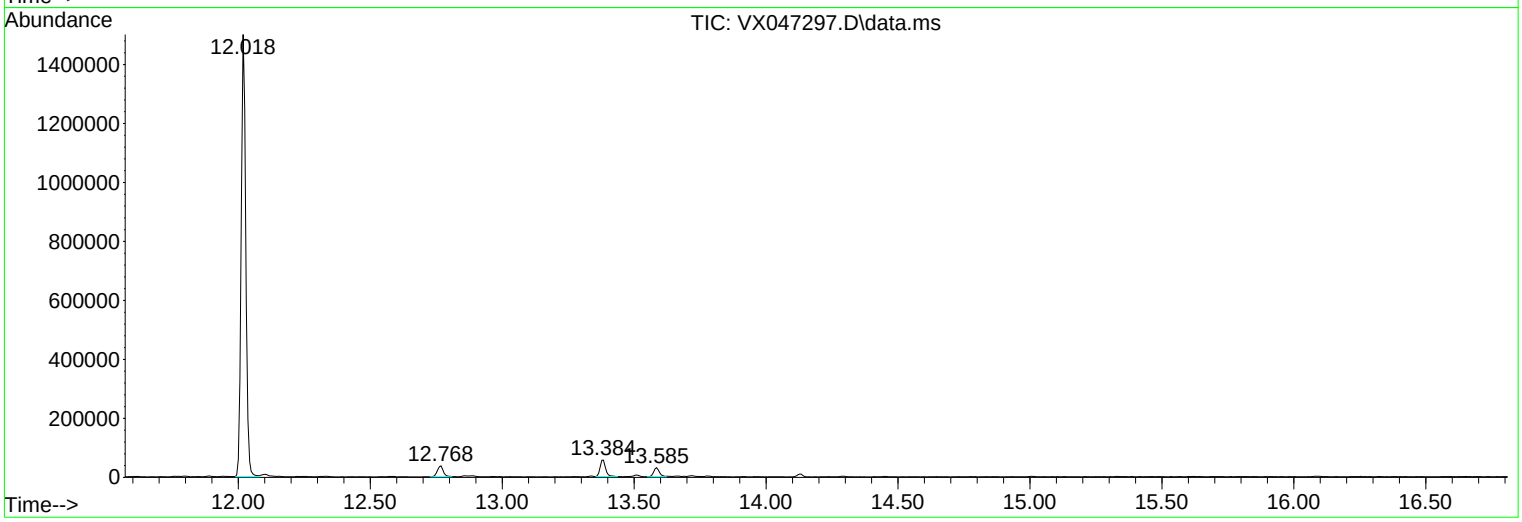
Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047297.D
Acq On : 12 Aug 2025 15:18
Operator : JC/MD
Sample : Q2814-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

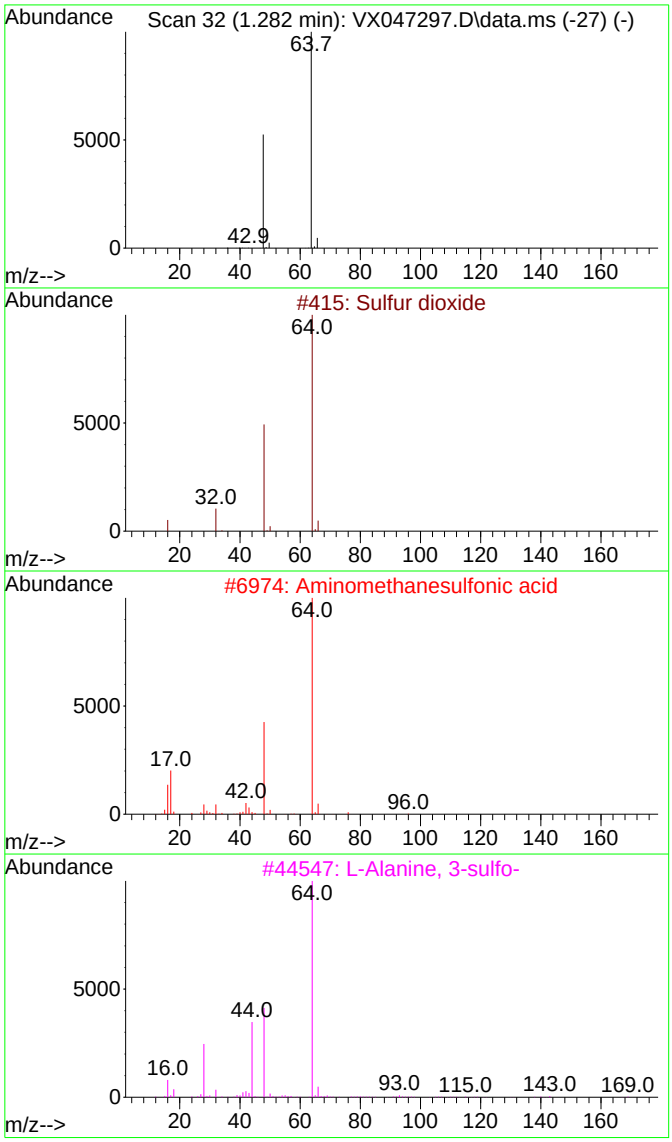
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

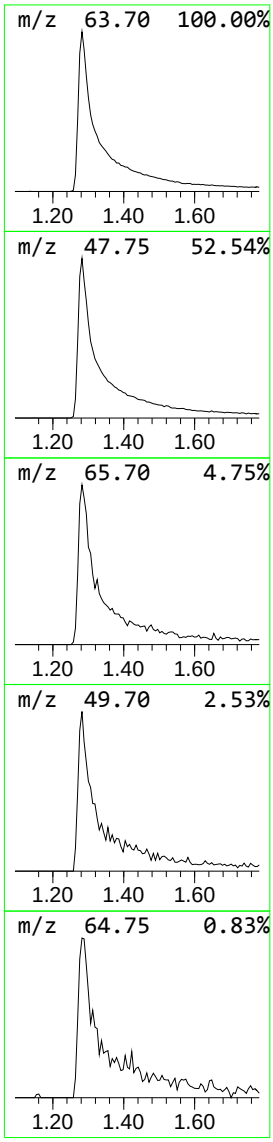
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.282	94.59 ug/l	2089520	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





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047297.D
Acq On : 12 Aug 2025 15:18
Operator : JC/MD
Sample : Q2814-07
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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	1.282	94.6	ug/l	2089520	1	5.562	1104510	50.0

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-WRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-07RE	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
VX047318.D	1	08/13/25 13:40	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	17.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	2.00		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.42	J	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	38.8		0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-WRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-07RE	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
VX047318.D	1	08/13/25 13:40	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.44	J	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	62.2	*	81 - 118		124%	SPK: 50
1868-53-7	Dibromofluoromethane	57.6		80 - 119		115%	SPK: 50
2037-26-5	Toluene-d8	47.5		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.6		85 - 114		111%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	176000	5.568				
540-36-3	1,4-Difluorobenzene	327000	6.775				
3114-55-4	Chlorobenzene-d5	307000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	157000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-82H-WRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-07RE	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
VX047318.D	1	08/13/25 13:40	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081325\
Data File : VX047318.D
Acq On : 13 Aug 2025 13:40
Operator : JC/MD
Sample : Q2814-07RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-WRE

Quant Time: Aug 14 03:28:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

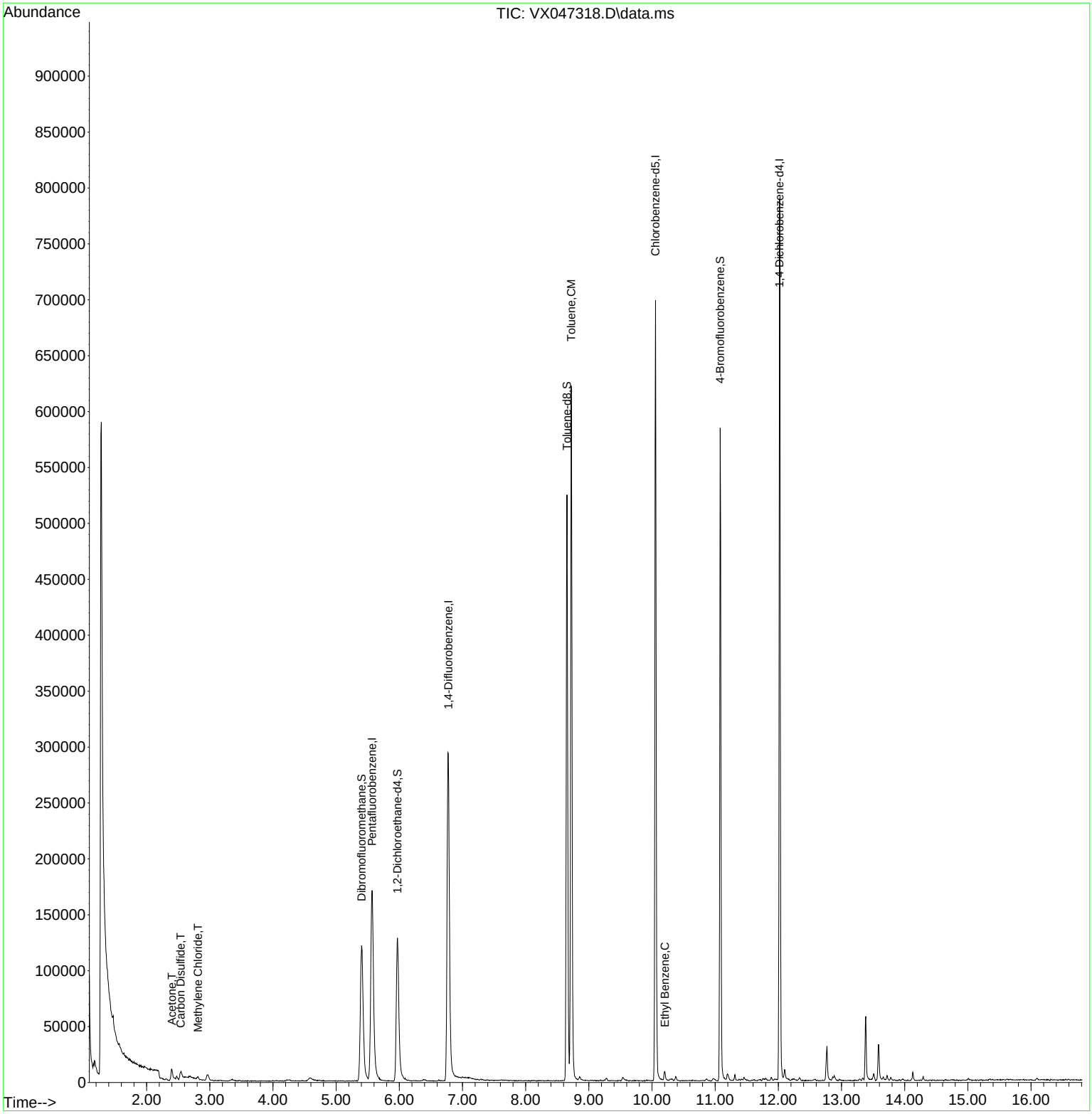
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	175507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	326793	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	307131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	157483	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	135926	62.173	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 124.340%#			
35) Dibromofluoromethane	5.404	113	116193	57.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.180%			
50) Toluene-d8	8.653	98	310226	47.476	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.960%			
62) 4-Bromofluorobenzene	11.079	95	156459	55.562	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 111.120%			
Target Compounds						Qvalue
16) Acetone	2.398	43	15119	17.263	ug/l	100
17) Carbon Disulfide	2.538	76	13017	2.040	ug/l	98
20) Methylene Chloride	2.813	84	1004	0.417	ug/l #	92
52) Toluene	8.720	92	237209	38.758	ug/l	100
67) Ethyl Benzene	10.201	91	5547	0.441	ug/l	99

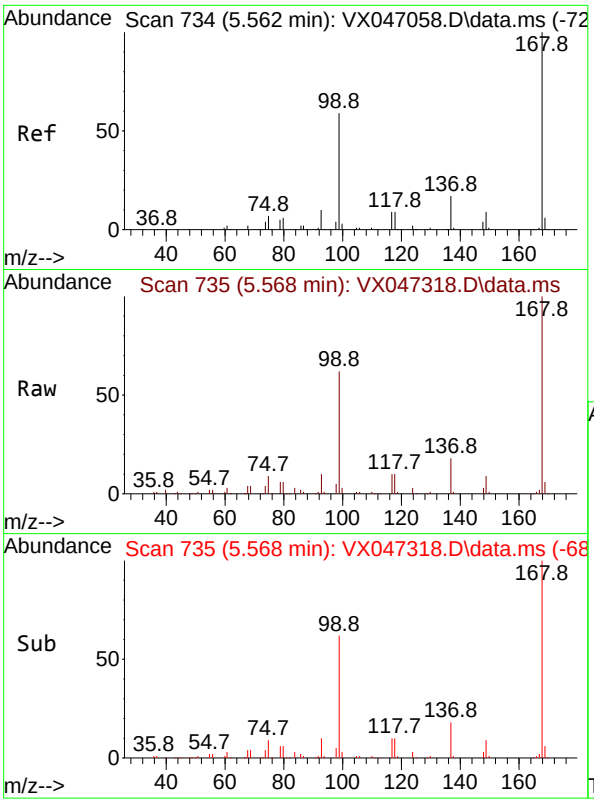
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047318.D
Acq On : 13 Aug 2025 13:40
Operator : JC/MD
Sample : Q2814-07RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-WRE

Quant Time: Aug 14 03:28:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



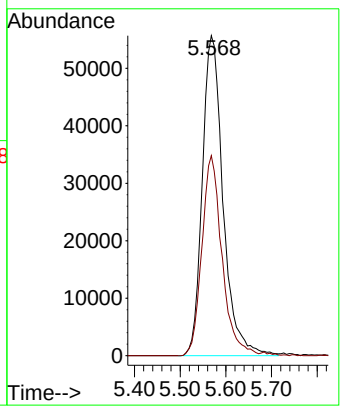


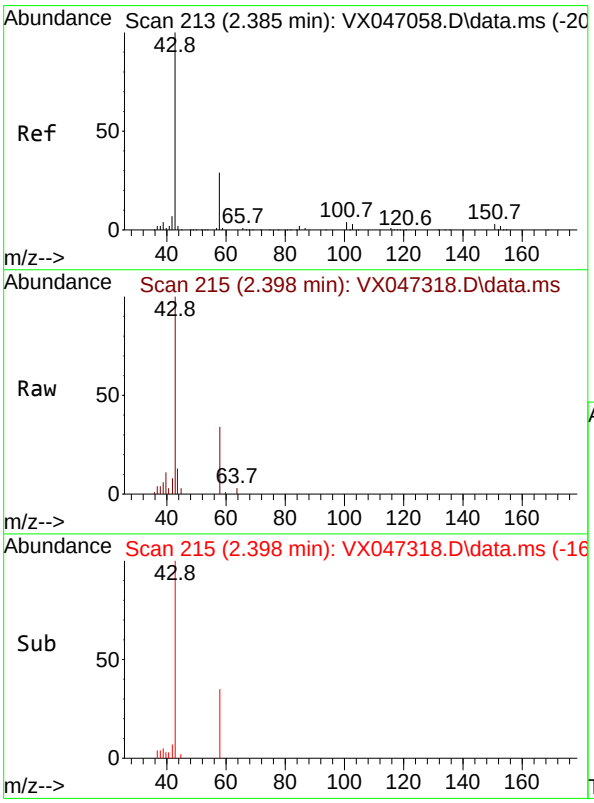
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-WRE

Tgt Ion:168 Resp: 175507

Ion	Ratio	Lower	Upper
168	100		
99	62.5	48.0	72.0

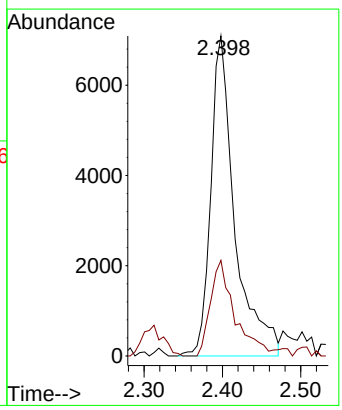


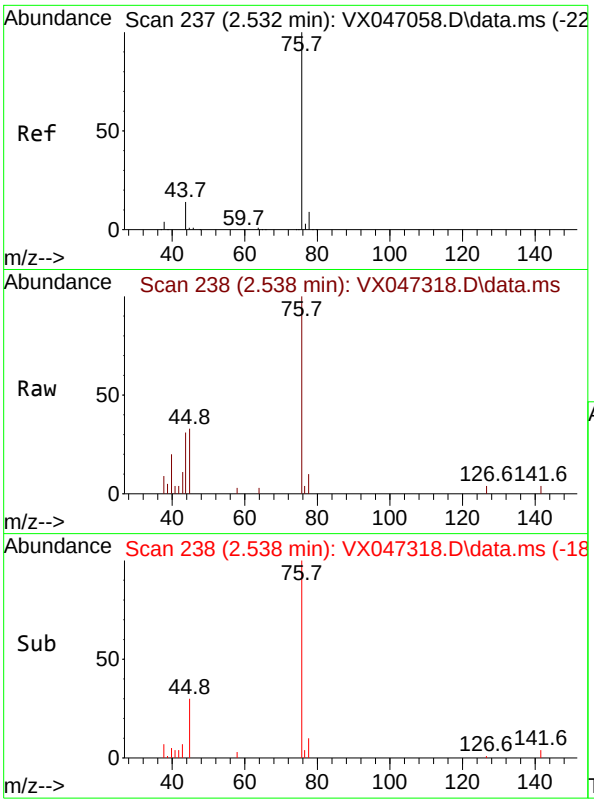


#16
Acetone
Concen: 17.263 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Tgt Ion: 43 Resp: 15119

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.0	36.0



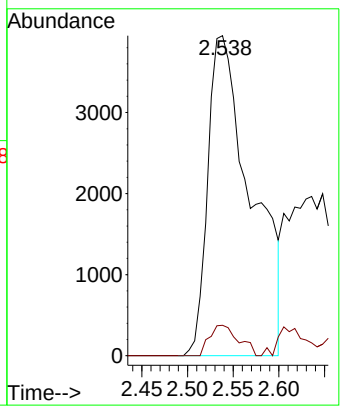


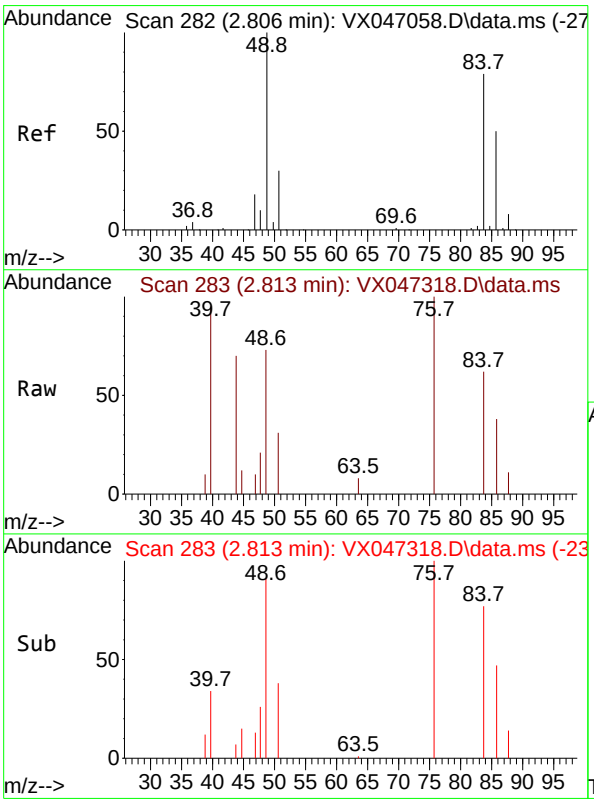
#17
Carbon Disulfide
Concen: 2.040 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.007 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-WRE

Tgt Ion: 76 Resp: 13017

Ion	Ratio	Lower	Upper
76	100		
78	9.5	7.0	10.4

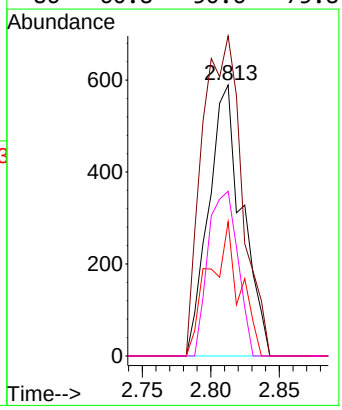


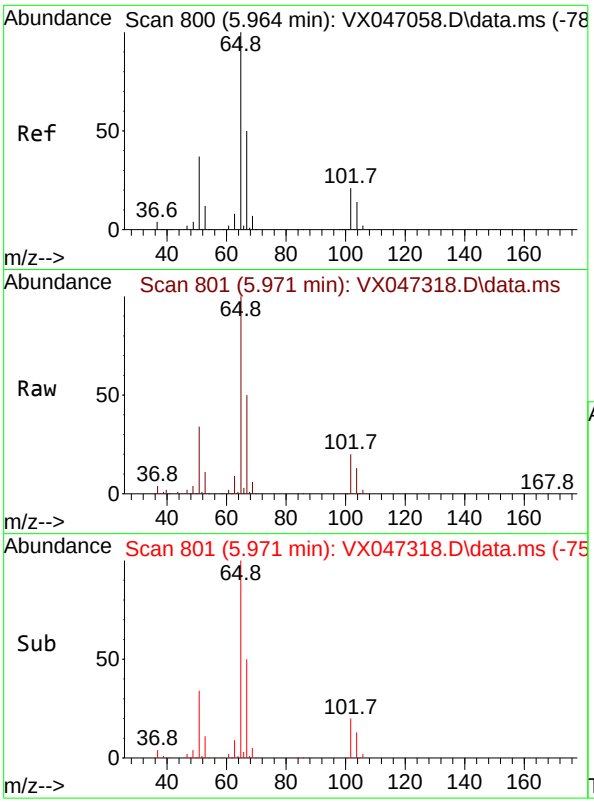


#20
Methylene Chloride
Concen: 0.417 ug/l
RT: 2.813 min Scan# 283
Delta R.T. 0.007 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Tgt Ion: 84 Resp: 1004

Ion	Ratio	Lower	Upper
84	100		
49	118.2	101.6	152.4
51	49.6	30.3	45.5#
86	60.8	50.6	75.8



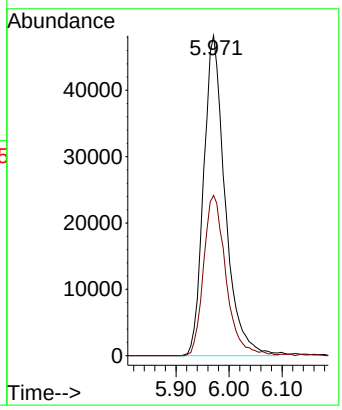


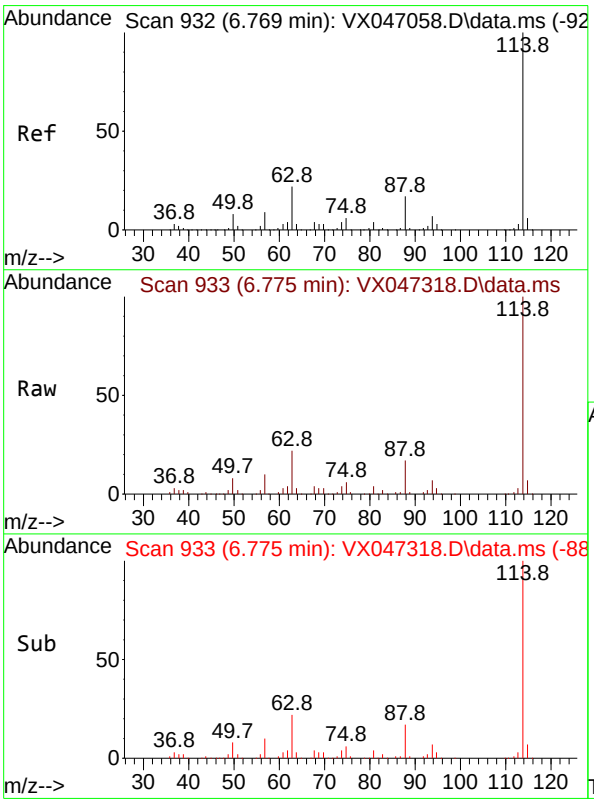
#33
1,2-Dichloroethane-d4
Concen: 62.173 ug/l
RT: 5.971 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-WRE

Tgt Ion: 65 Resp: 135926

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.8

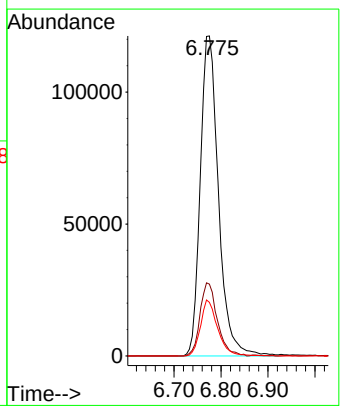


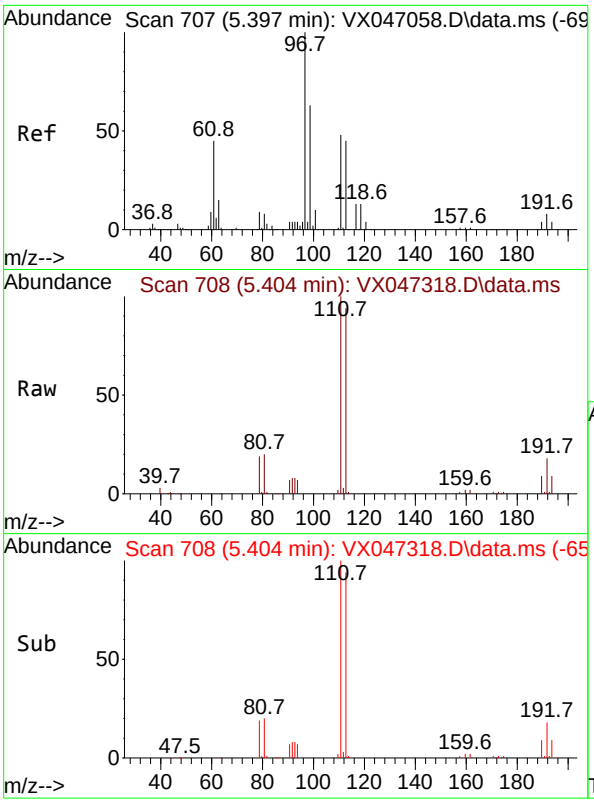


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.007 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Tgt Ion:114 Resp: 326793

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.2
88	16.7	0.0	33.8



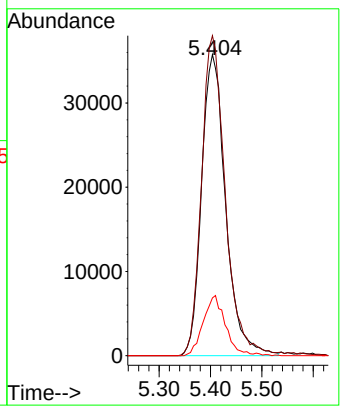


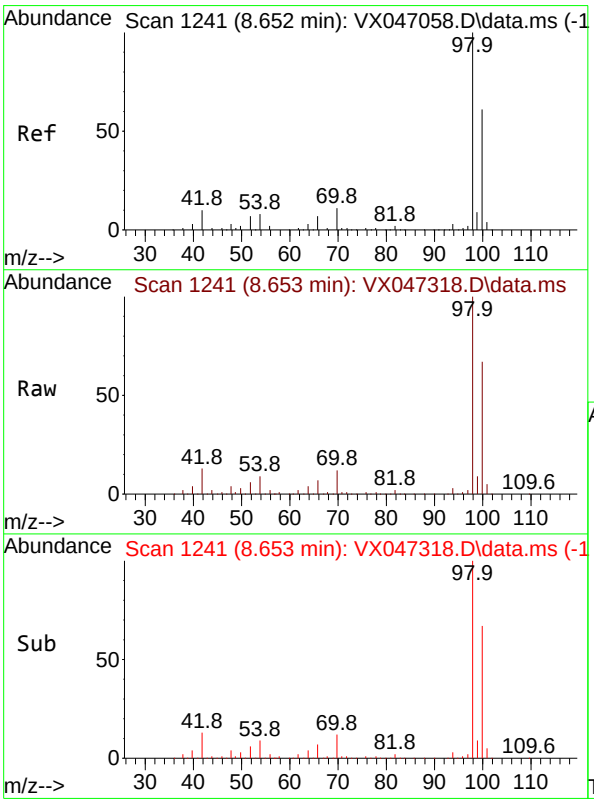
#35
Dibromofluoromethane
Concen: 57.586 ug/l
RT: 5.404 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-WRE

Tgt Ion:113 Resp: 116193

Ion	Ratio	Lower	Upper
113	100		
111	104.8	82.6	124.0
192	18.3	14.9	22.3

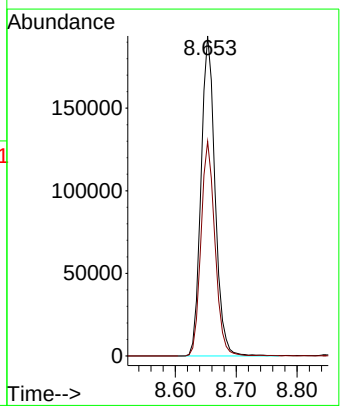


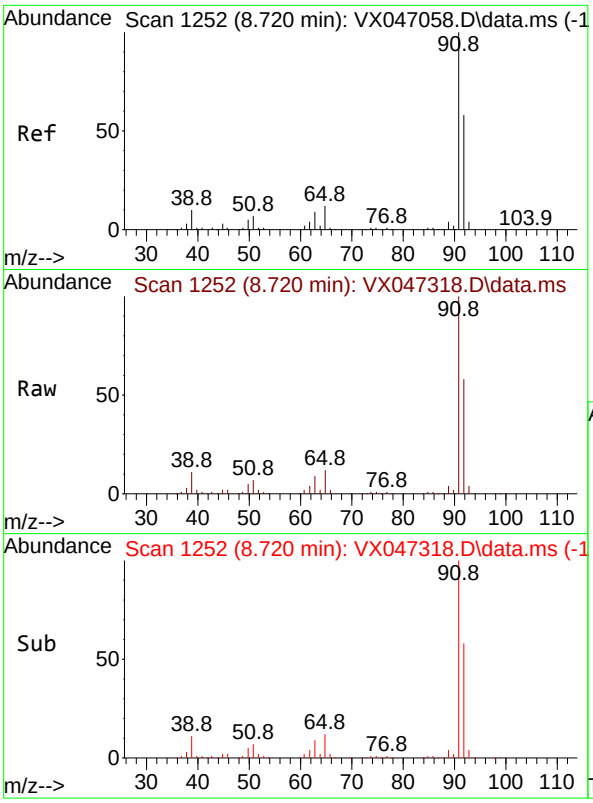


#50
Toluene-d8
Concen: 47.476 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Tgt Ion: 98 Resp: 310226

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9



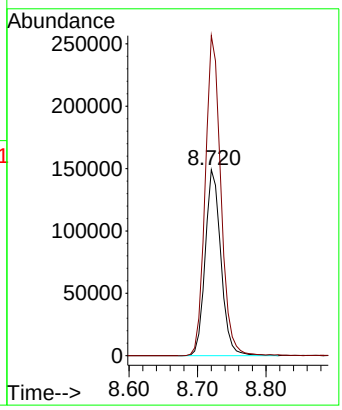


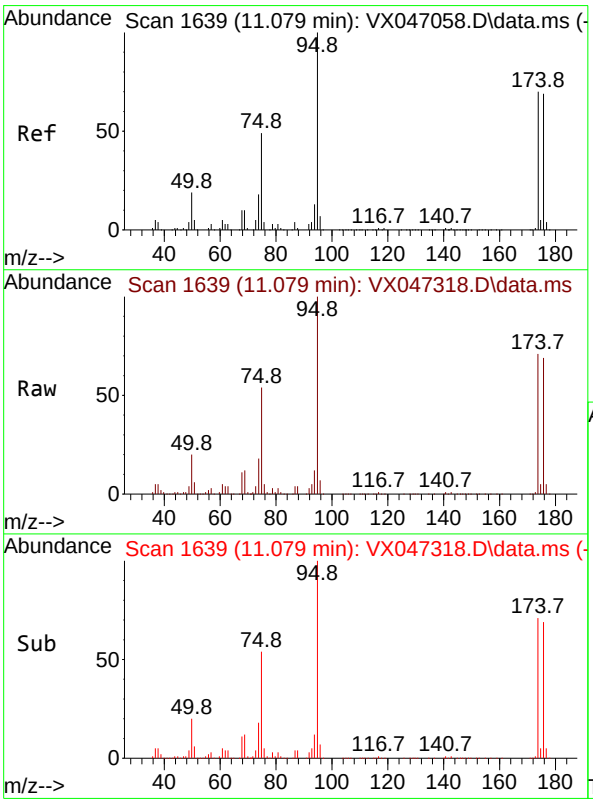
#52
Toluene
Concen: 38.758 ug/l
RT: 8.720 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-WRE

Tgt Ion: 92 Resp: 237209

Ion	Ratio	Lower	Upper
92	100		
91	171.9	137.9	206.9

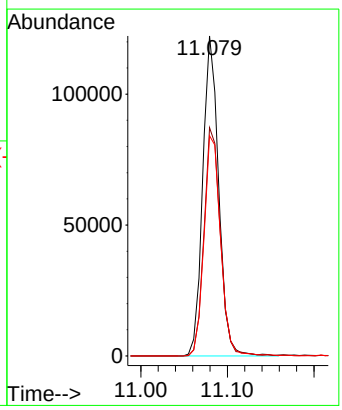


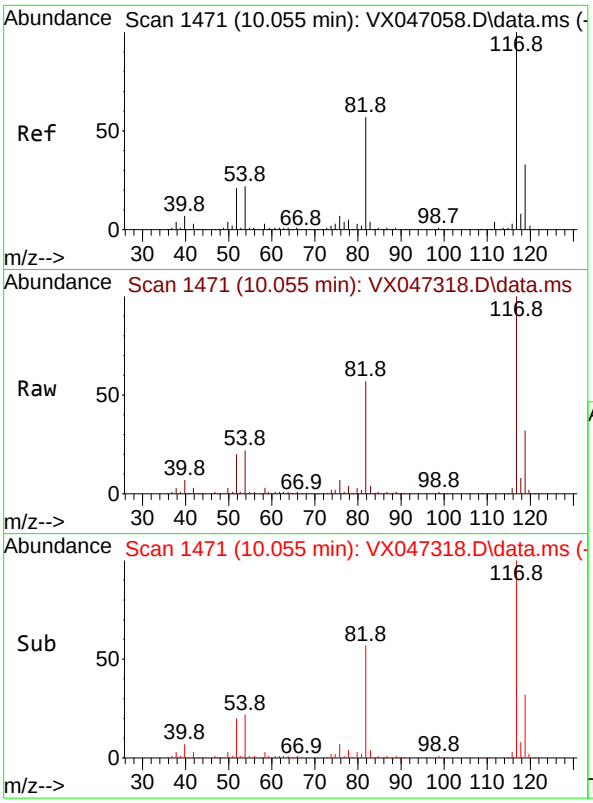


#62
4-Bromofluorobenzene
Concen: 55.562 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Tgt Ion: 95 Resp: 156459

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	144.6
176	71.8	0.0	139.6



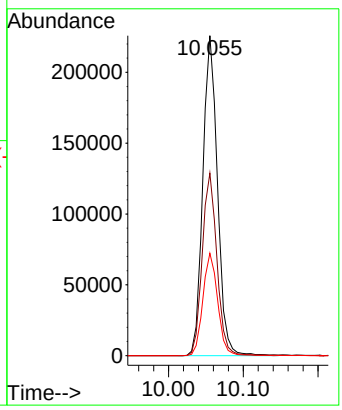


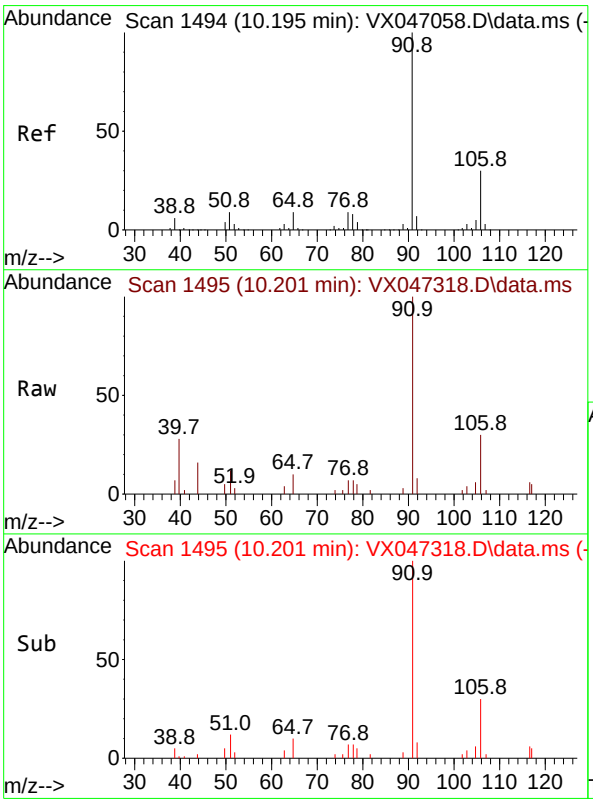
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-WRE

Tgt Ion:117 Resp: 307131

Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.4	68.2
119	32.0	26.1	39.1

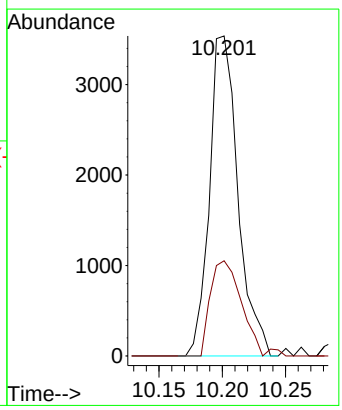


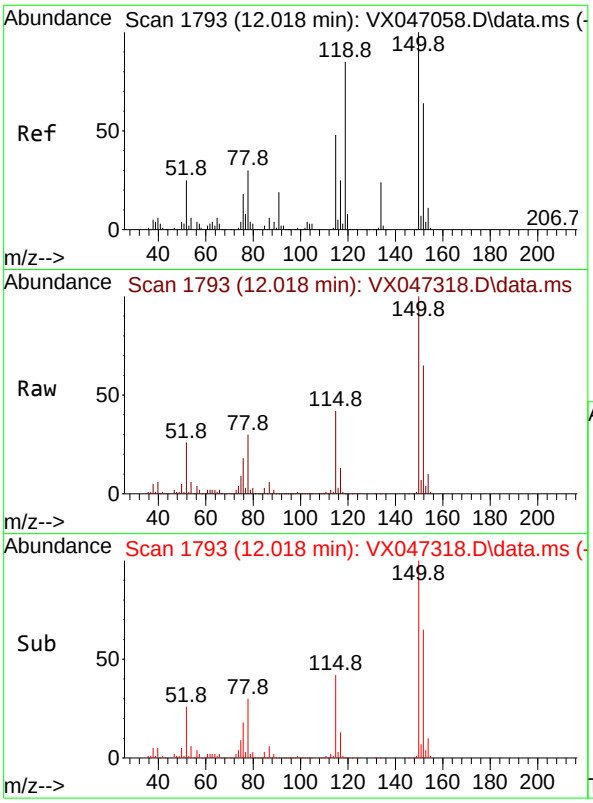


#67
Ethyl Benzene
Concen: 0.441 ug/l
RT: 10.201 min Scan# 1495
Delta R.T. 0.007 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Tgt Ion: 91 Resp: 5547

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.4



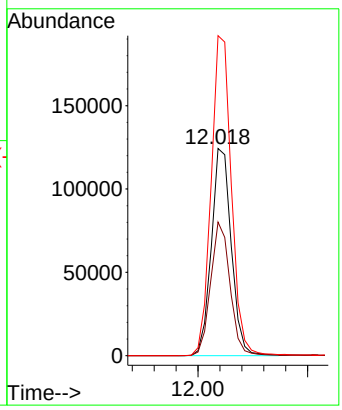


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047318.D
Acq: 13 Aug 2025 13:40

Instrument :
MSVOA_X
ClientSampleId :
TW-82H-WRE

Tgt Ion:152 Resp: 157483

Ion	Ratio	Lower	Upper
152	100		
115	62.5	45.6	136.7
150	156.8	0.0	354.6



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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-08	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
VX047298.D	1	08/12/25 15:39	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.00	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.50	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.28	J	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-08	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
VX047298.D	1	08/12/25 15:39	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	51.2		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	53.0		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	45.8		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.1		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	265000	5.568				
540-36-3	1,4-Difluorobenzene	455000	6.769				
3114-55-4	Chlorobenzene-d5	416000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	209000	12.018				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-08	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
VX047298.D	1	08/12/25 15:39	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	7.30	J			1.31	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\VX081225\
Data File : VX047298.D
Acq On : 12 Aug 2025 15:39
Operator : JC/MD
Sample : Q2814-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Aug 13 01:22:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	264975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	454854	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	416219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	208948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	169133	51.241	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.480%			
35) Dibromofluoromethane	5.403	113	148918	53.026	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.060%			
50) Toluene-d8	8.653	98	416660	45.812	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.620%#			
62) 4-Bromofluorobenzene	11.079	95	204153	52.087	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.180%			
Target Compounds						Qvalue
16) Acetone	2.392	43	5346m	4.043	ug/l	
17) Carbon Disulfide	2.538	76	4853	0.504	ug/l #	76
20) Methylene Chloride	2.812	84	1031	0.283	ug/l	86

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

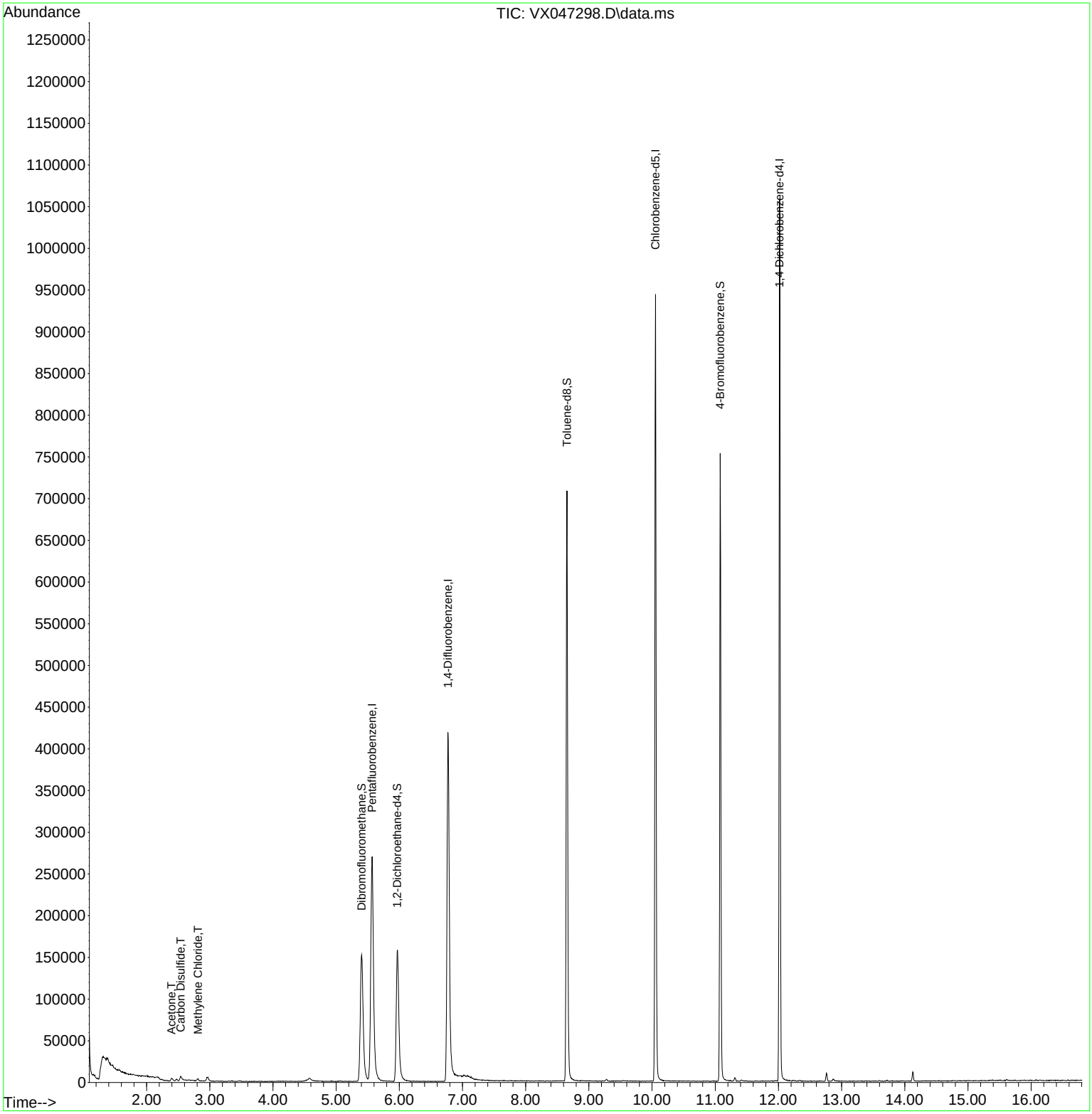
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047298.D
Acq On : 12 Aug 2025 15:39
Operator : JC/MD
Sample : Q2814-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

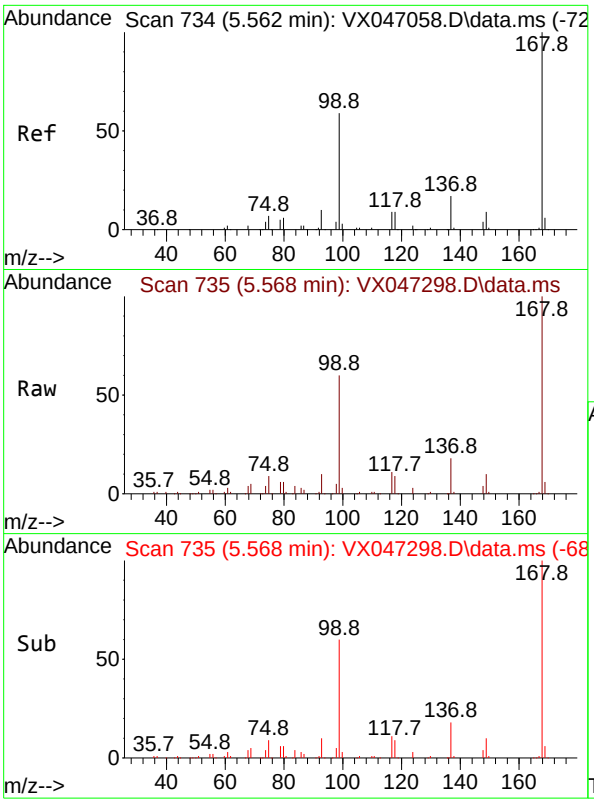
Quant Time: Aug 13 01:22:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

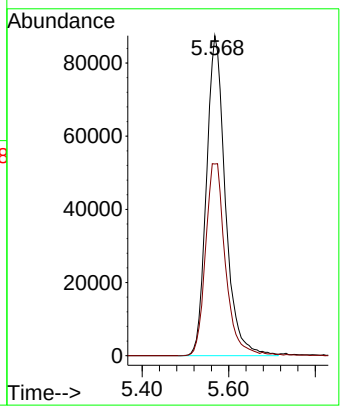




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion:168 Resp: 26497

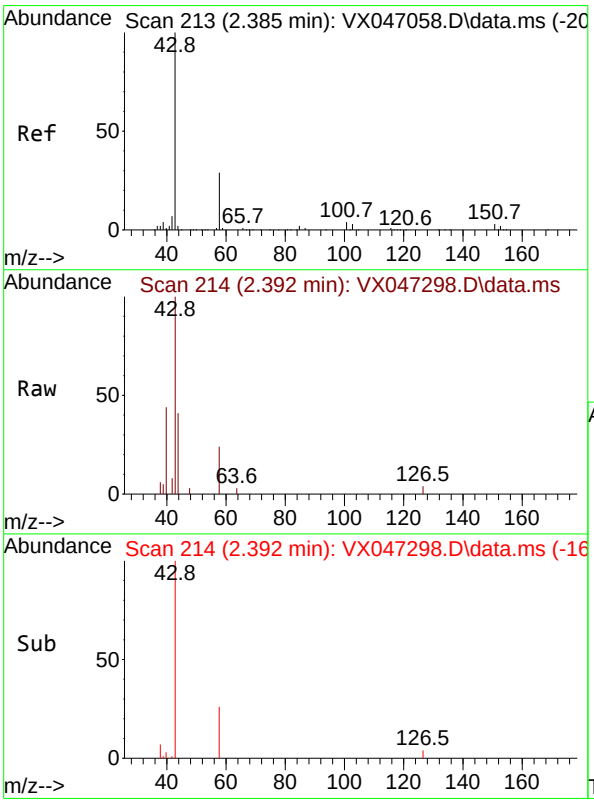
Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Manual Integrations
APPROVED

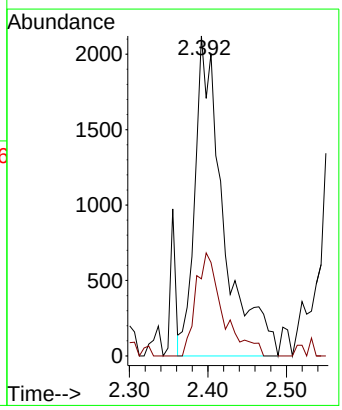
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

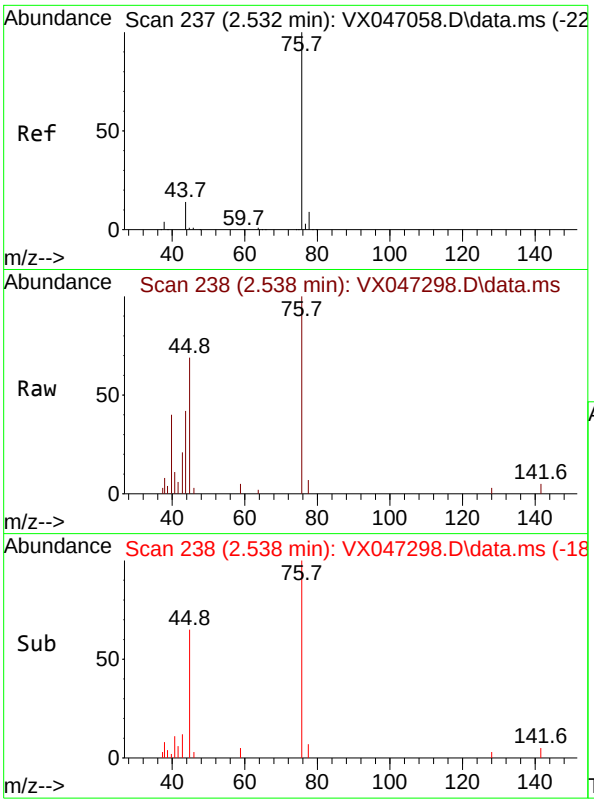


#16
Acetone
Concen: 4.043 ug/l m
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 43 Resp: 5346

Ion	Ratio	Lower	Upper
43	100		
58	24.1	24.0	36.0





#17
Carbon Disulfide
Concen: 0.504 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

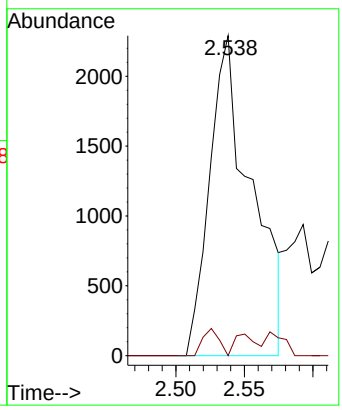
Tgt Ion: 76 Resp: 485

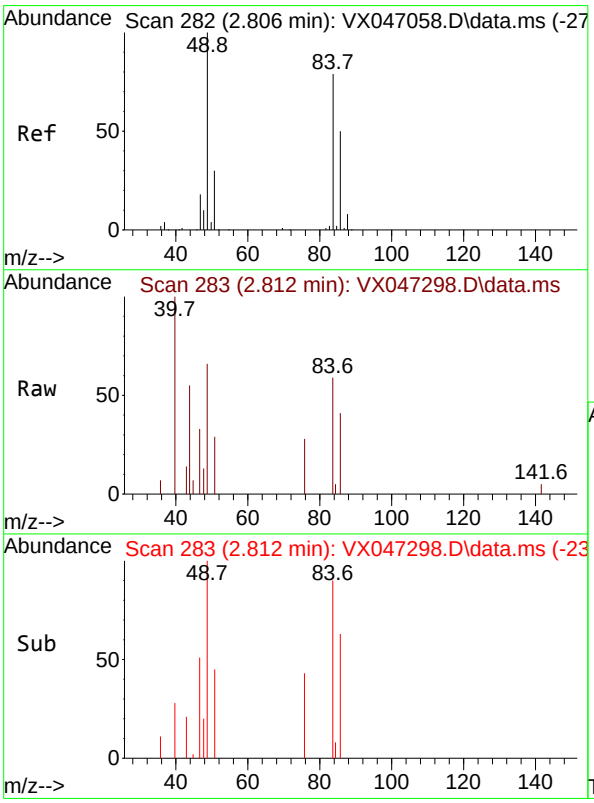
Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

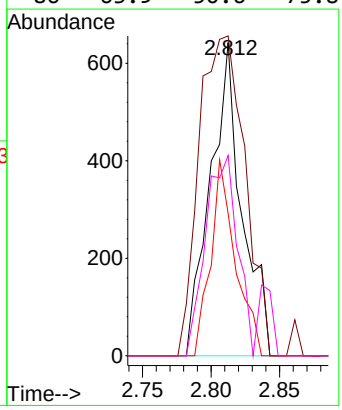


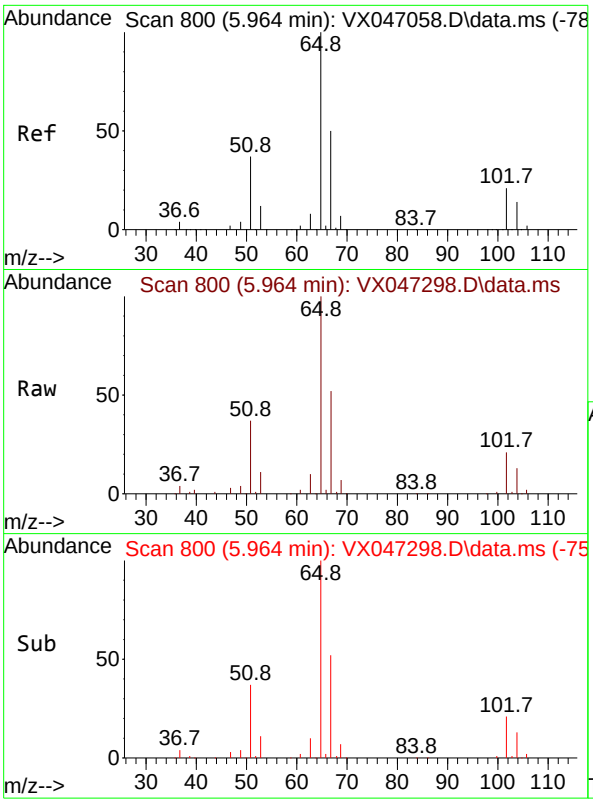


#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 84 Resp: 1031

Ion	Ratio	Lower	Upper
84	100		
49	102.0	101.6	152.4
51	45.4	30.3	45.5
86	63.9	50.6	75.8





#33
1,2-Dichloroethane-d4
Concen: 51.241 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

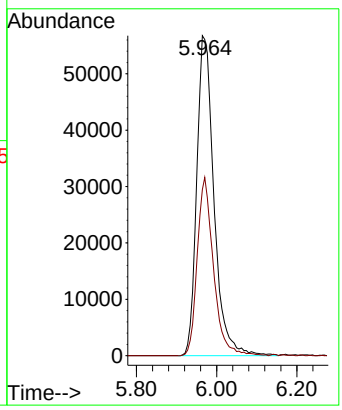
Tgt Ion: 65 Resp: 16913

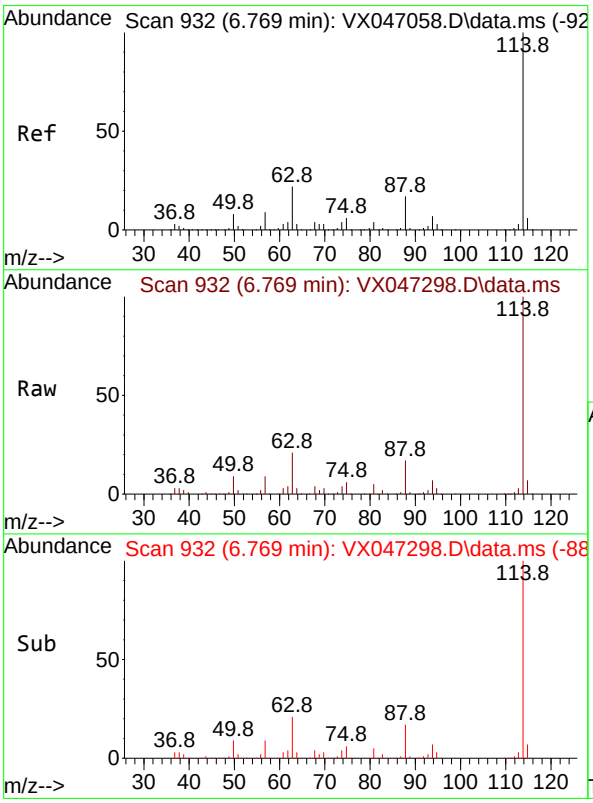
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.8

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

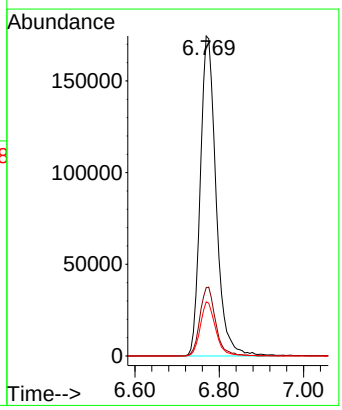


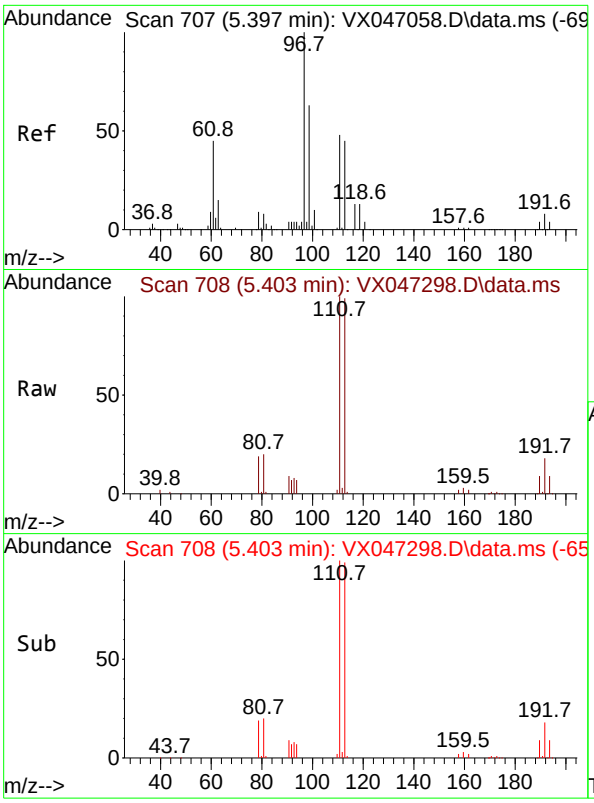


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion:114 Resp: 454854

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.2
88	16.9	0.0	33.8

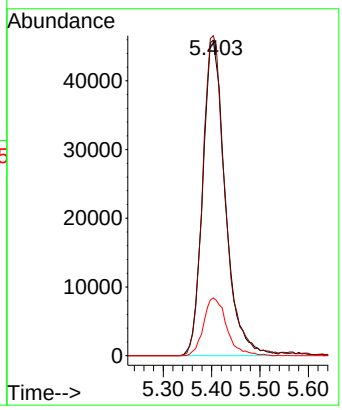




#35
Dibromofluoromethane
Concen: 53.026 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion:113 Resp: 14891

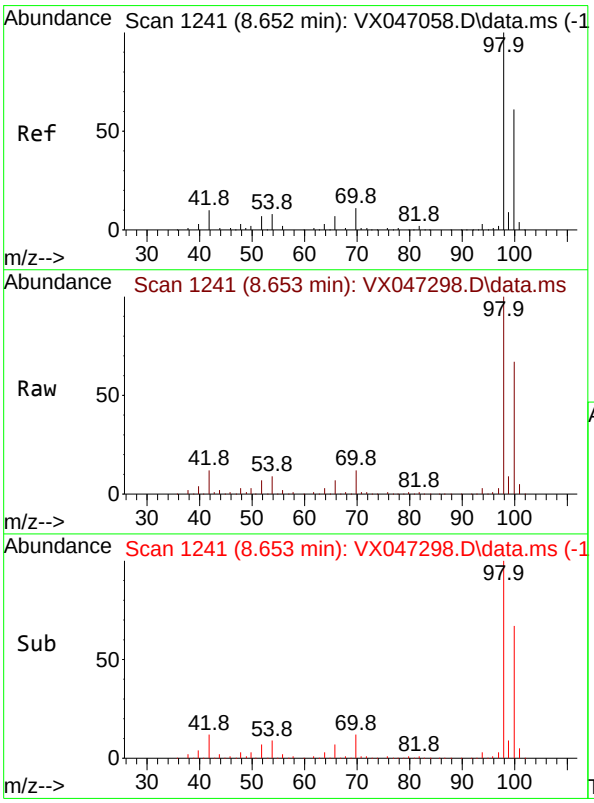
Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.6	124.0
192	18.8	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Manual Integrations
APPROVED

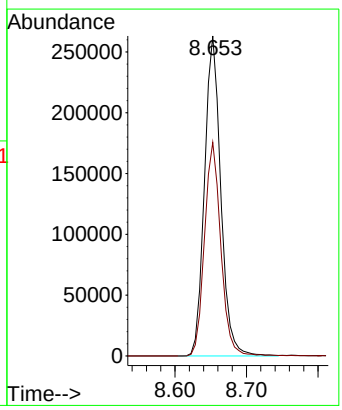
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

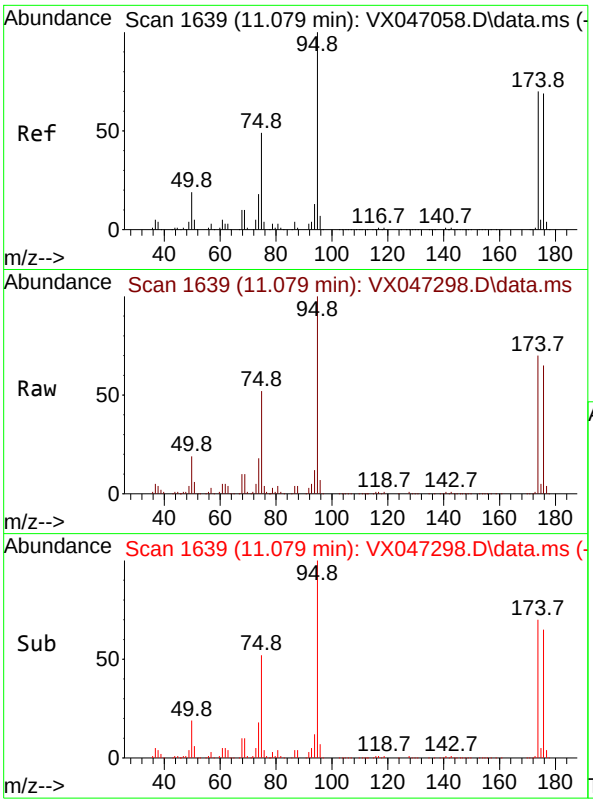


#50
Toluene-d8
Concen: 45.812 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 98 Resp: 416660

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9

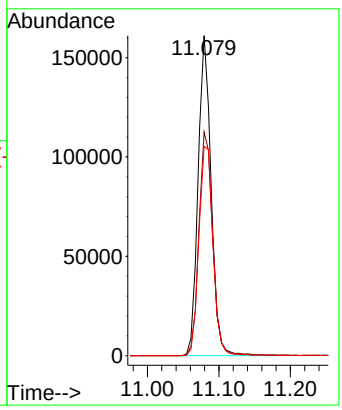




#62
4-Bromofluorobenzene
Concen: 52.087 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 95 Resp: 20415

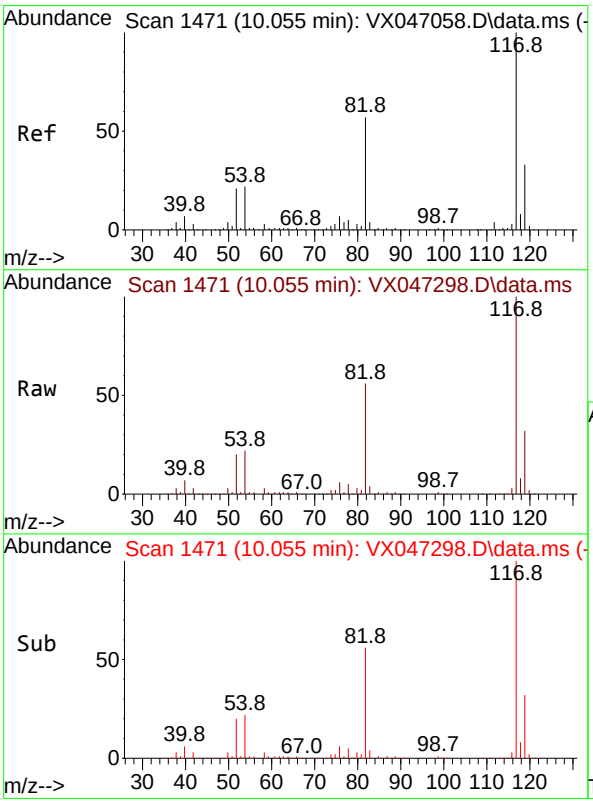
Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	144.6
176	70.8	0.0	139.6



Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Manual Integrations
APPROVED

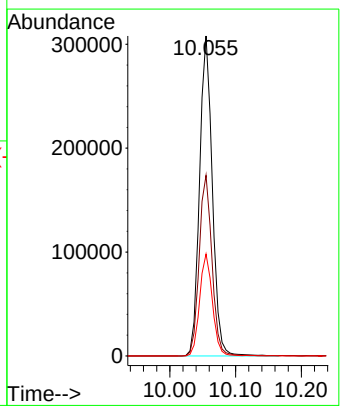
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

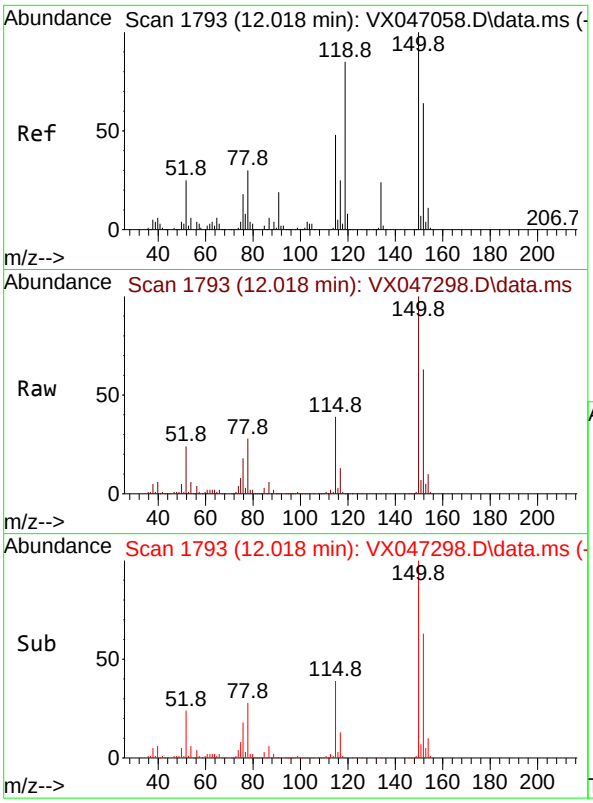


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion:117 Resp: 416219

Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.4	68.2
119	31.9	26.1	39.1

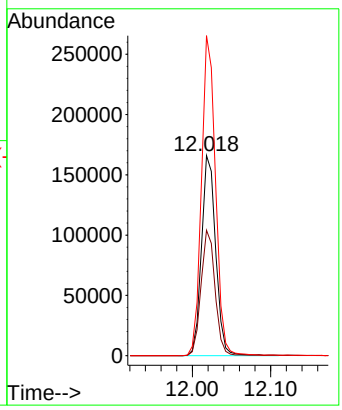




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion:152 Resp: 20894

Ion	Ratio	Lower	Upper
152	100		
115	62.1	45.6	136.7
150	158.8	0.0	354.6



Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047298.D
Acq On : 12 Aug 2025 15:39
Operator : JC/MD
Sample : Q2814-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047298.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.313	25	37	42	rBV2	27586	119550	9.08%	1.549%
2	5.403	696	708	724	rBV5	151405	487009	36.98%	6.312%
3	5.568	724	735	758	rVB	268674	821067	62.35%	10.641%
4	5.970	791	801	819	rBV	157694	462899	35.15%	5.999%
5	6.769	921	932	949	rBV	418472	1094206	83.10%	14.181%
6	8.653	1234	1241	1253	rBV	707649	1129260	85.76%	14.636%
7	10.055	1465	1471	1486	rBV	943329	1289627	97.94%	16.714%
8	11.079	1634	1639	1650	rBV	752293	965296	73.31%	12.510%
9	12.018	1788	1793	1809	rBV	1057800	1316776	100.00%	17.066%
10	12.762	1909	1915	1920	rBV2	9737	13329	1.01%	0.173%
11	14.127	2134	2139	2148	rBV2	11345	16874	1.28%	0.219%

Sum of corrected areas: 7715893

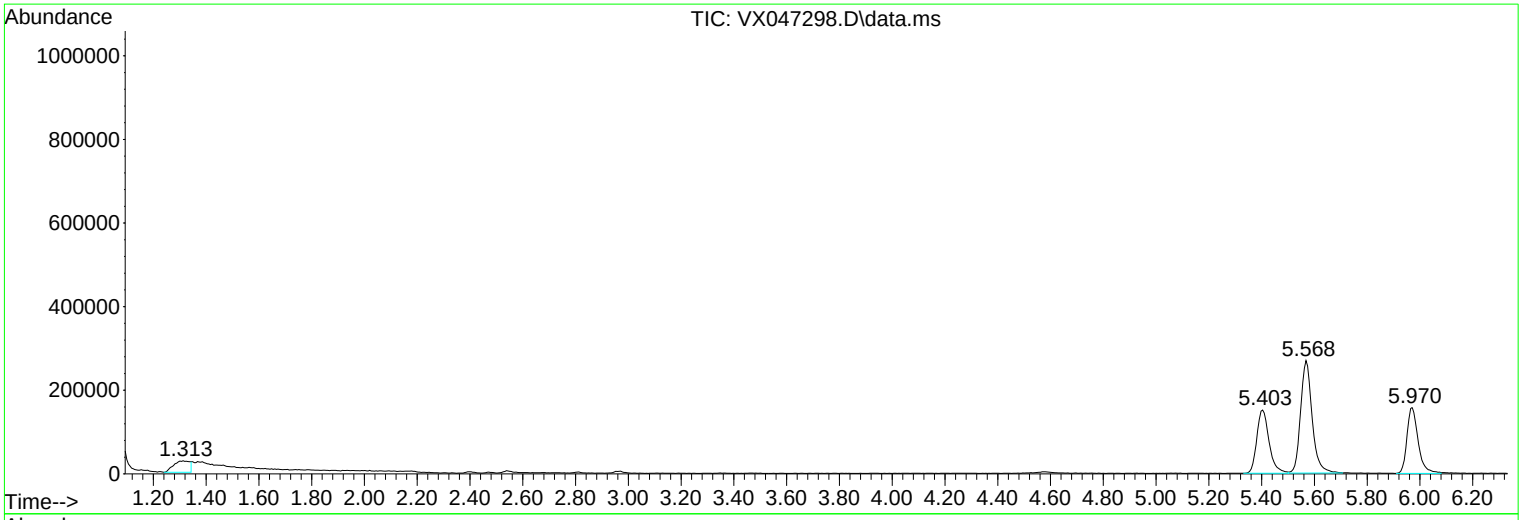
Sample Results: **VX047298.D**

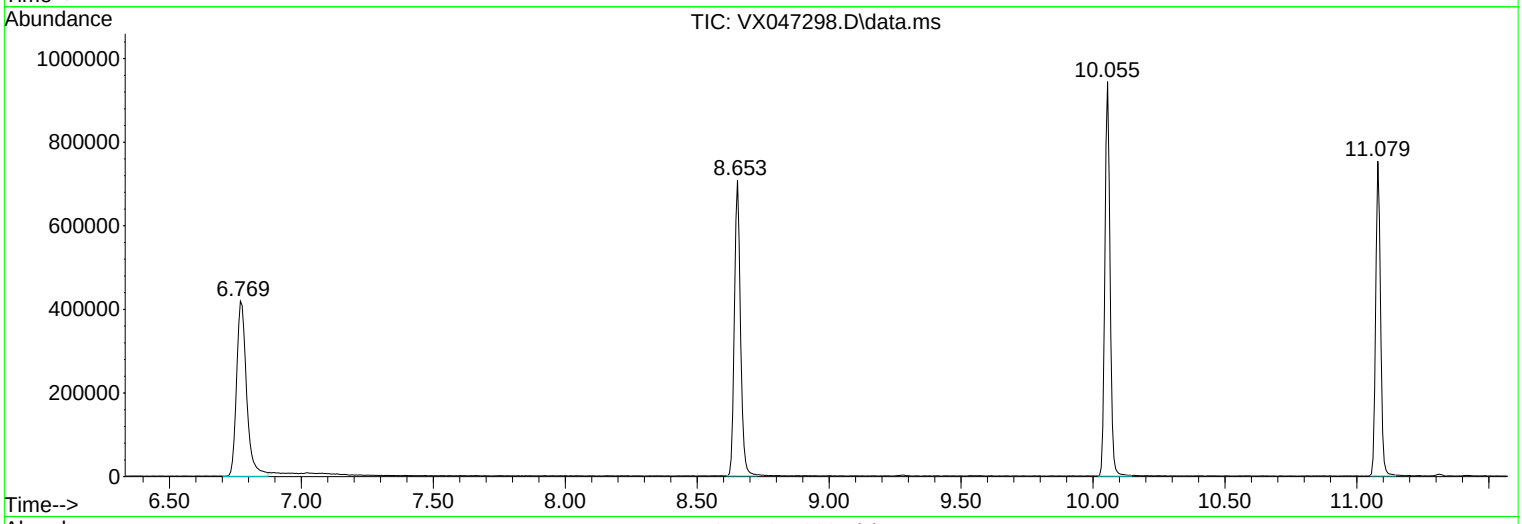
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047298.D
Acq On : 12 Aug 2025 15:39
Operator : JC/MD
Sample : Q2814-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

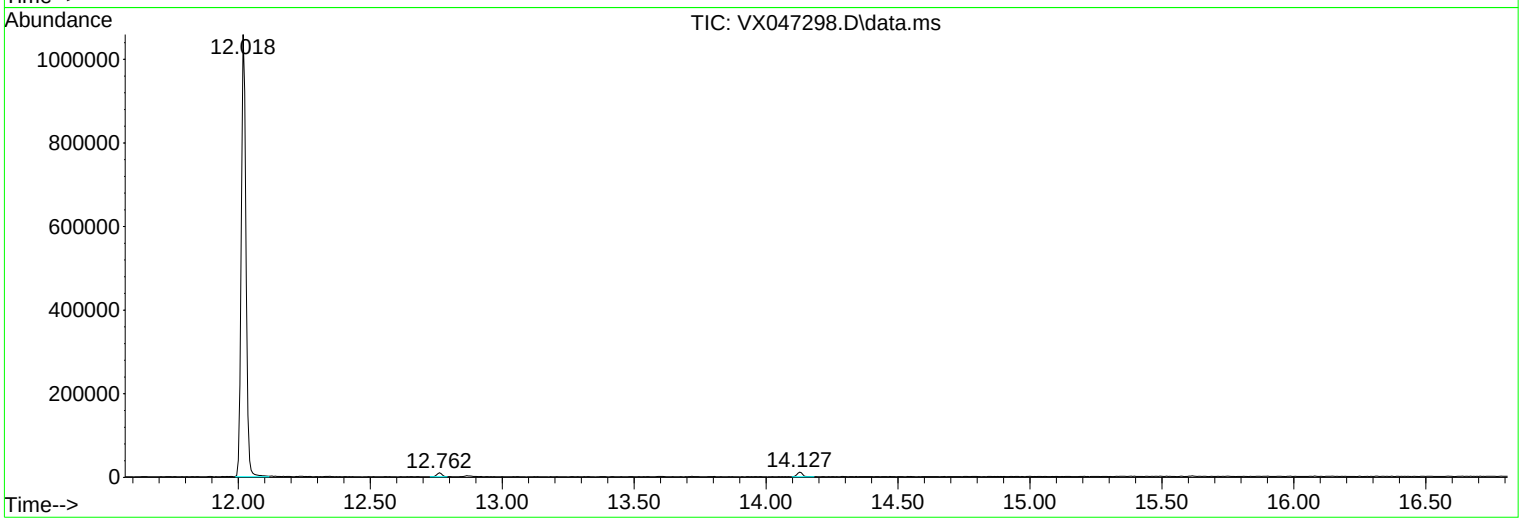
Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047298.D
Acq On : 12 Aug 2025 15:39
Operator : JC/MD
Sample : Q2814-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

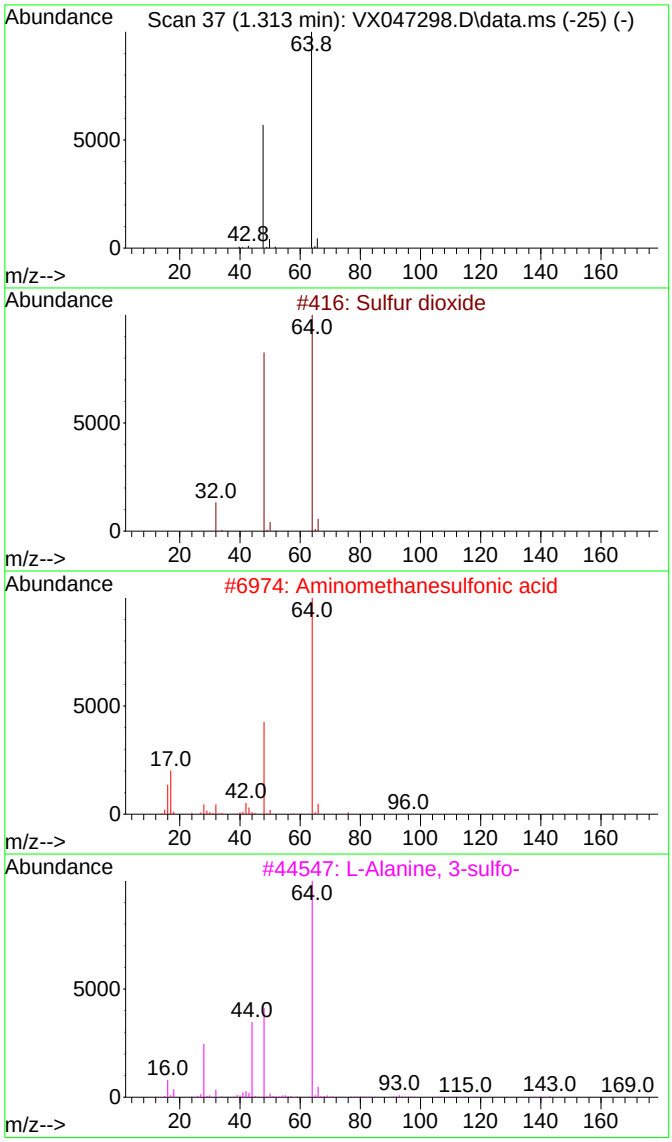
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TIC Integration Parameters: LSCINT.P

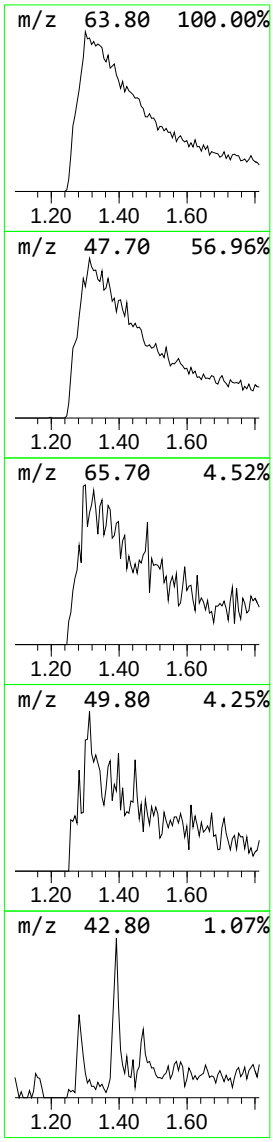
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.313	7.28 ug/l	119550	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	5
5	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	4





Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047298.D
Acq On : 12 Aug 2025 15:39
Operator : JC/MD
Sample : Q2814-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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	1.313	7.3	ug/l	119550	1	5.568	821067	50.0

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-09	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
VX047299.D	1	08/12/25 16:01	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.90	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.45	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.30	J	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-09	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
VX047299.D	1	08/12/25 16:01	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.7		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	54.4		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	47.7		89 - 112		95%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.1		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	225000	5.568				
540-36-3	1,4-Difluorobenzene	391000	6.775				
3114-55-4	Chlorobenzene-d5	353000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	180000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-09	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
VX047299.D	1	08/12/25 16:01	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047299.D
Acq On : 12 Aug 2025 16:01
Operator : JC/MD
Sample : Q2814-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Quant Time: Aug 13 01:23:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

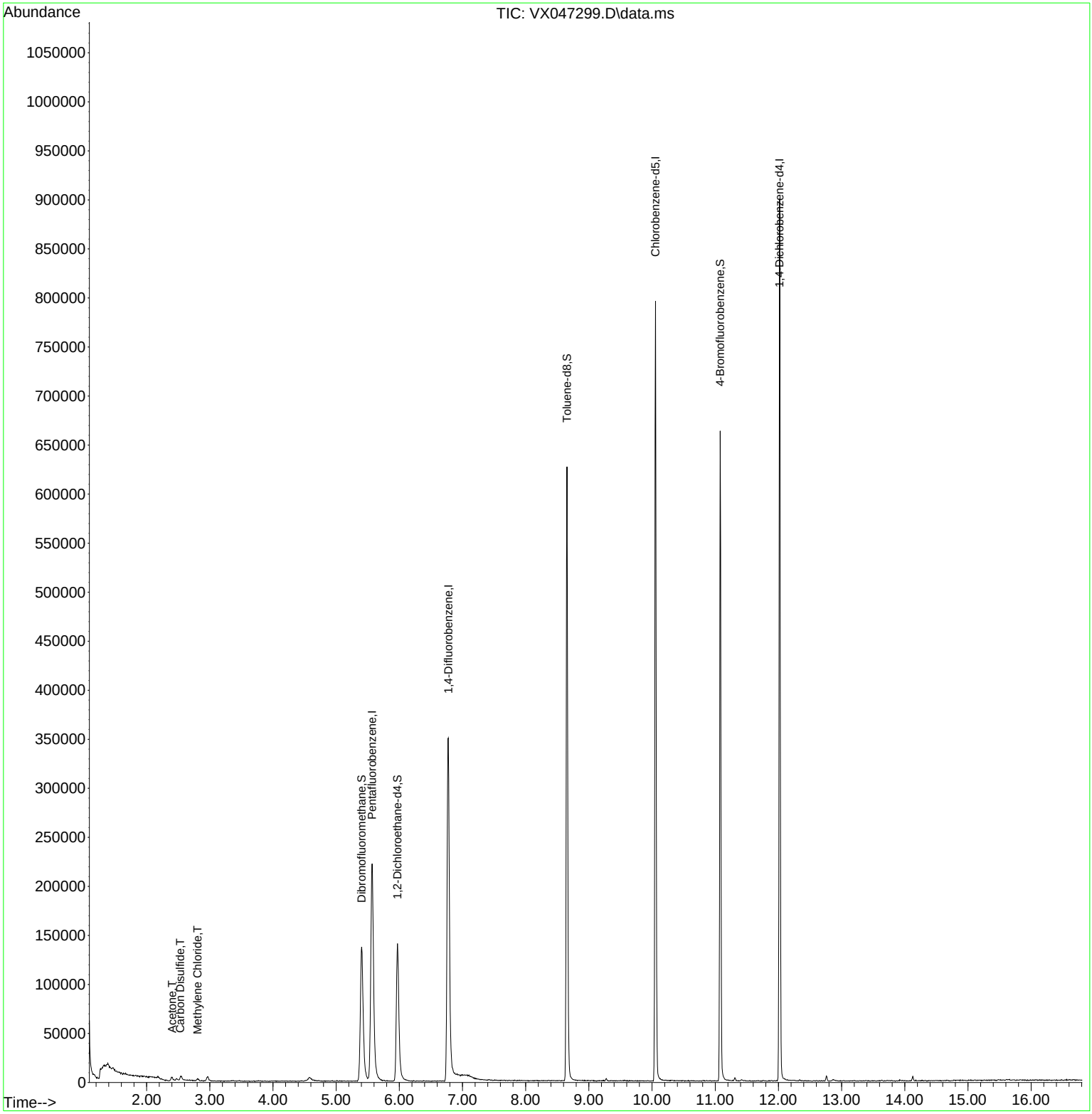
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	224812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	391363	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	352853	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	180111	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	147702	52.742	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 105.480%			
35) Dibromofluoromethane	5.403	113	131383	54.371	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.740%			
50) Toluene-d8	8.653	98	373235	47.695	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.380%			
62) 4-Bromofluorobenzene	11.079	95	179117	53.114	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.220%			
Target Compounds						Qvalue
16) Acetone	2.404	43	5503	4.905	ug/l #	85
17) Carbon Disulfide	2.532	76	3658	0.448	ug/l #	76
20) Methylene Chloride	2.806	84	932	0.302	ug/l #	88

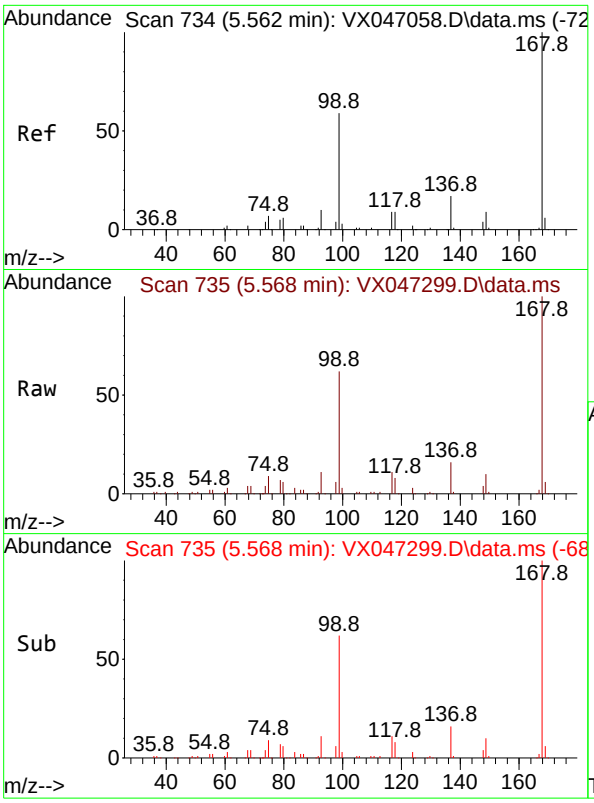
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047299.D
Acq On : 12 Aug 2025 16:01
Operator : JC/MD
Sample : Q2814-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Quant Time: Aug 13 01:23:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



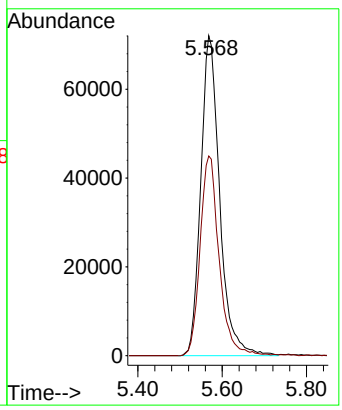


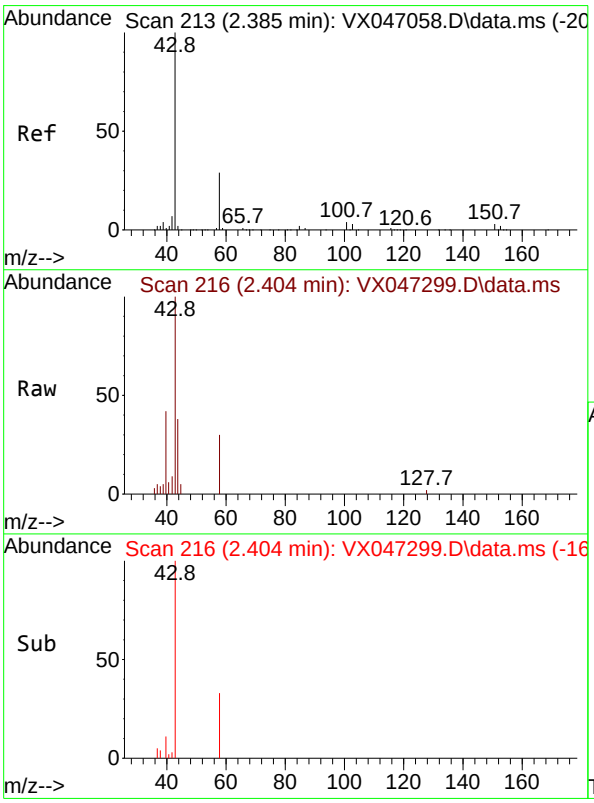
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Tgt Ion:168 Resp: 224812

Ion	Ratio	Lower	Upper
168	100		
99	62.4	48.0	72.0

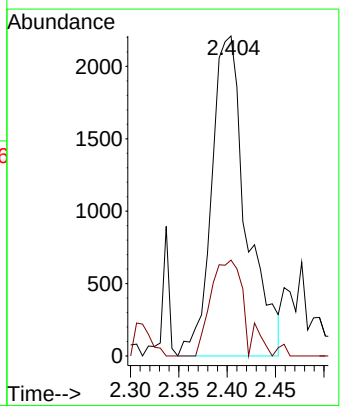


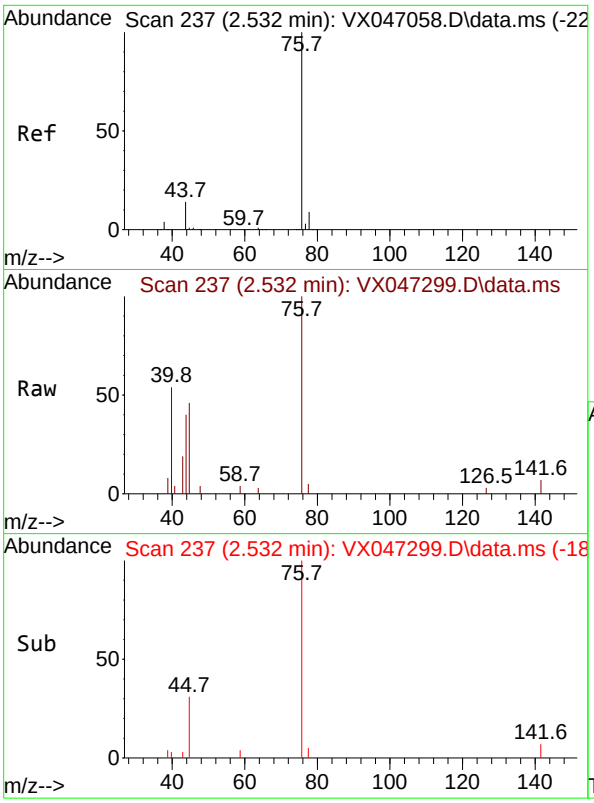


#16
Acetone
Concen: 4.905 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.019 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion: 43 Resp: 5503

Ion	Ratio	Lower	Upper
43	100		
58	21.7	24.0	36.0#



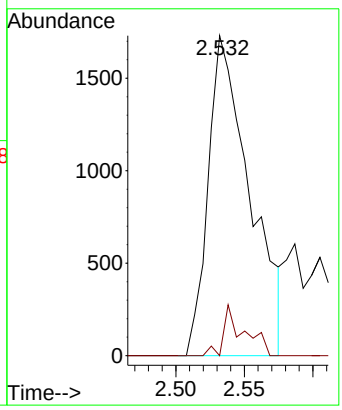


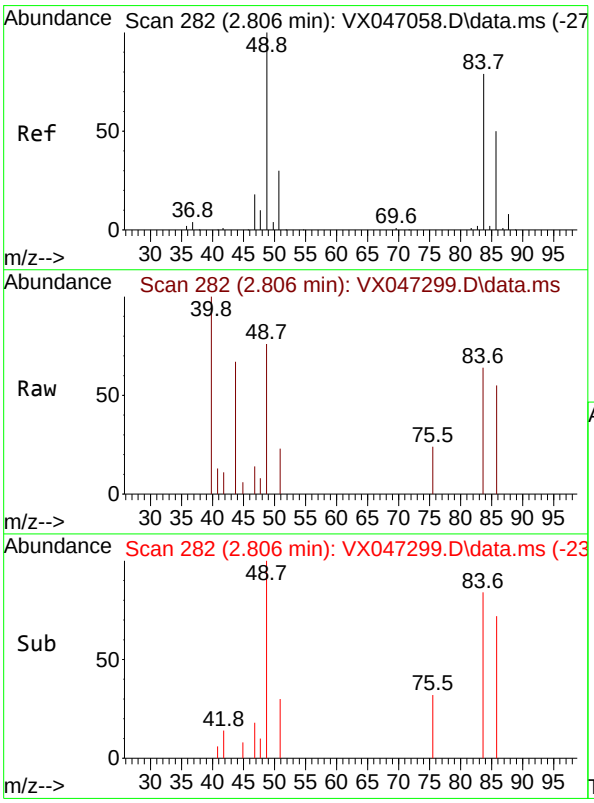
#17
Carbon Disulfide
Concen: 0.448 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Tgt Ion: 76 Resp: 3658

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

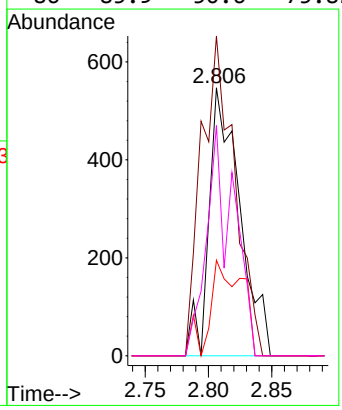


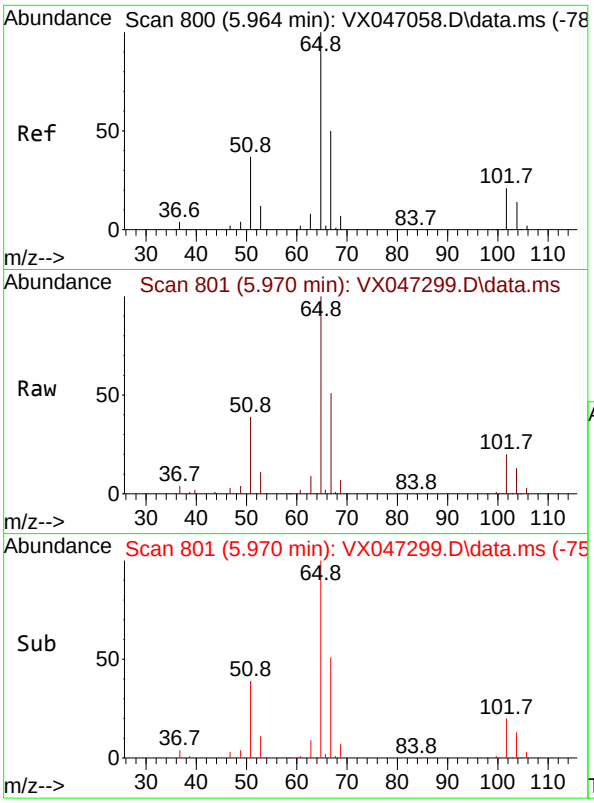


#20
Methylene Chloride
Concen: 0.302 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion: 84 Resp: 932

Ion	Ratio	Lower	Upper
84	100		
49	119.4	101.6	152.4
51	35.6	30.3	45.5
86	85.9	50.6	75.8#



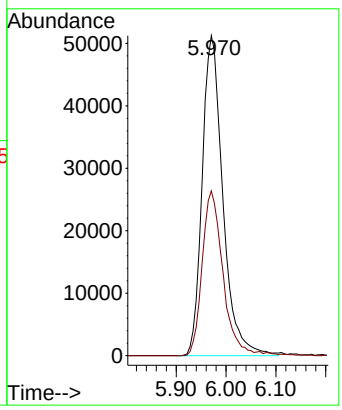


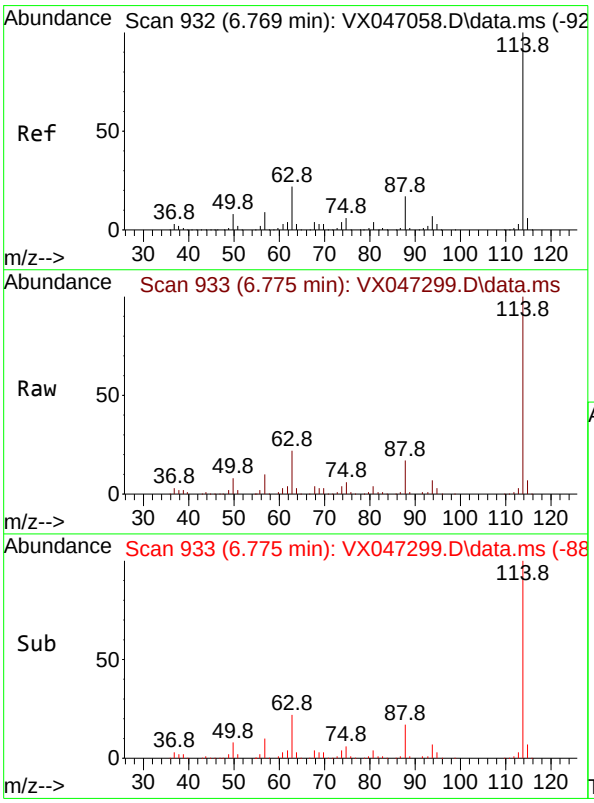
#33
1,2-Dichloroethane-d4
Concen: 52.742 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Tgt Ion: 65 Resp: 147702

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.8

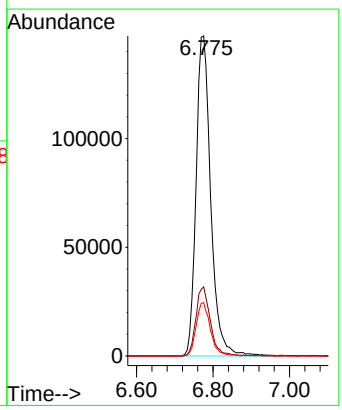


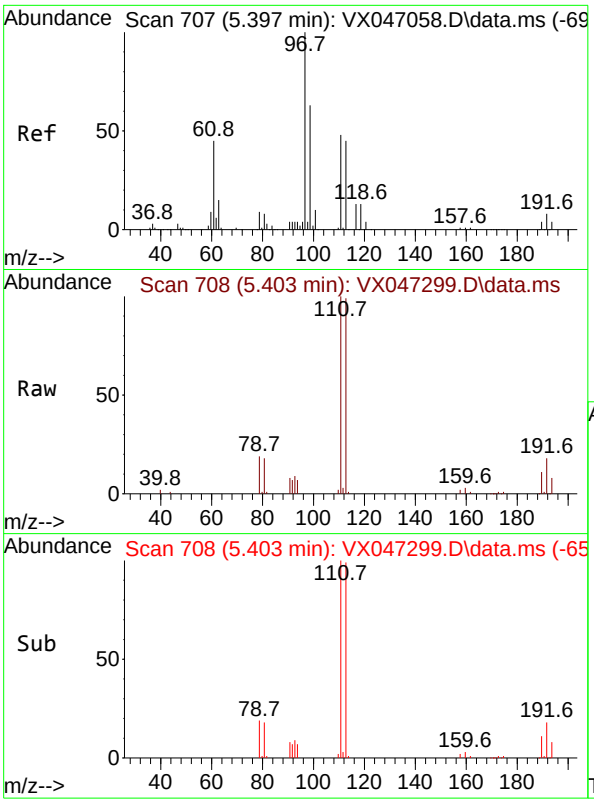


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion:114 Resp: 391363

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	16.7	0.0	33.8



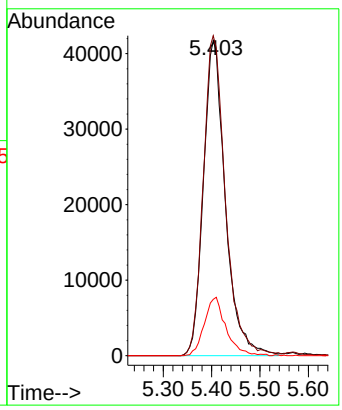


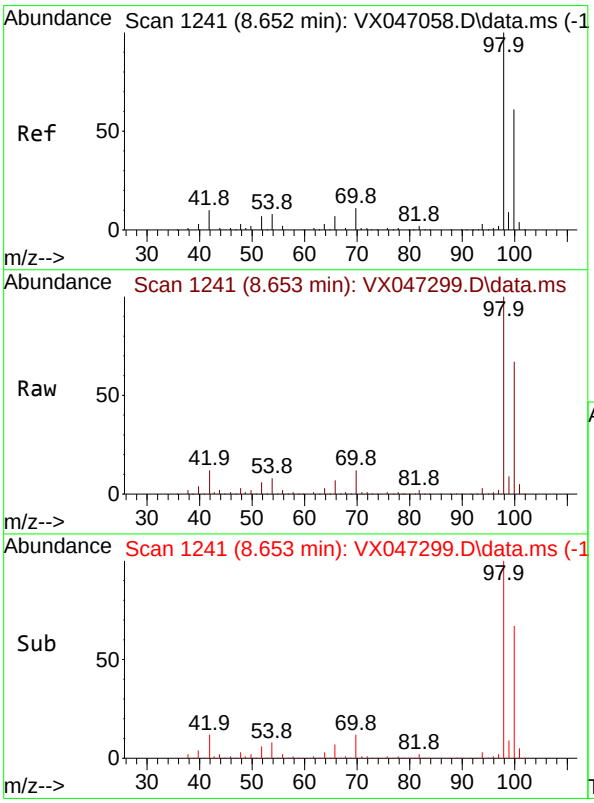
#35
Dibromofluoromethane
Concen: 54.371 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Tgt Ion:113 Resp: 131383

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	18.3	14.9	22.3

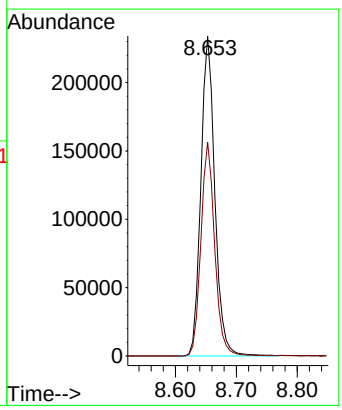


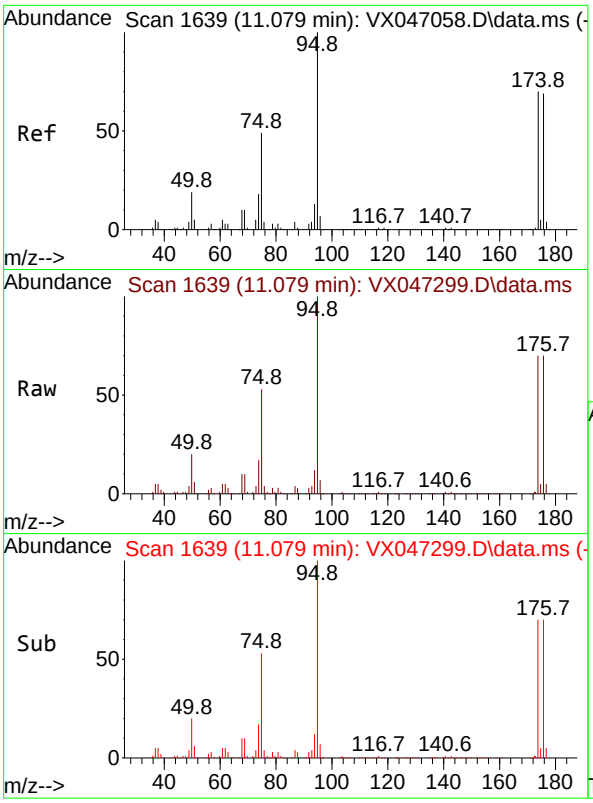


#50
Toluene-d8
Concen: 47.695 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion: 98 Resp: 373235

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.3	79.9



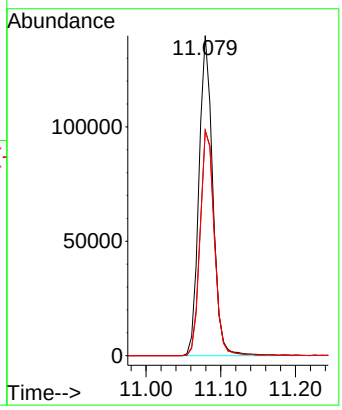


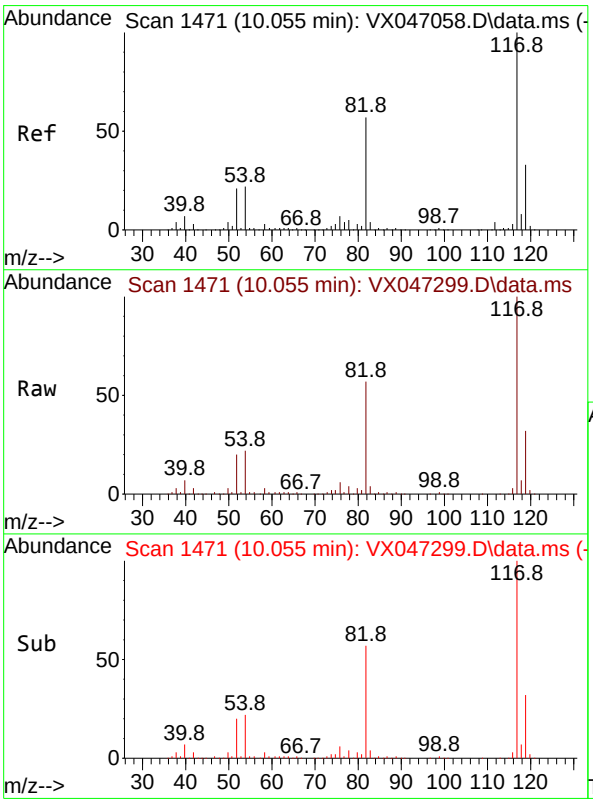
#62
4-Bromofluorobenzene
Concen: 53.114 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Tgt Ion: 95 Resp: 179117

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	144.6
176	71.8	0.0	139.6

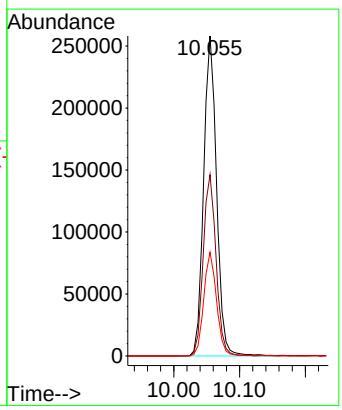


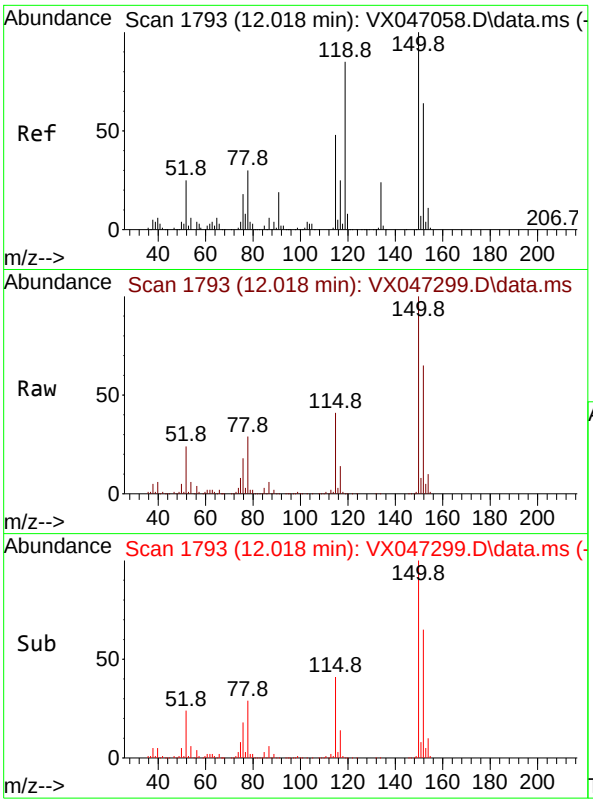


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Tgt Ion:117 Resp: 352853

Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.4	68.2
119	32.4	26.1	39.1



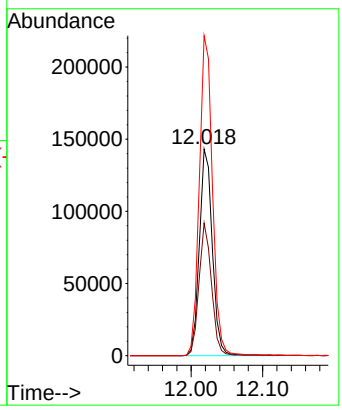


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047299.D
Acq: 12 Aug 2025 16:01

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Tgt Ion:152 Resp: 180111

Ion	Ratio	Lower	Upper
152	100		
115	62.2	45.6	136.7
150	157.1	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047299.D
Acq On : 12 Aug 2025 16:01
Operator : JC/MD
Sample : Q2814-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047299.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	26	30	31	rBV2	10257	13105	1.17%	0.200%
2	4.574	563	572	581	rBV3	3353	11235	1.00%	0.172%
3	5.403	697	708	723	rBV4	136944	431489	38.51%	6.587%
4	5.568	723	735	754	rVB	219687	679510	60.65%	10.373%
5	5.970	790	801	822	rBV	140278	404444	36.10%	6.174%
6	6.775	923	933	949	rBV	349992	934567	83.41%	14.266%
7	8.653	1234	1241	1260	rBV	626087	1003271	89.55%	15.315%
8	10.055	1465	1471	1488	rBV	795407	1097859	97.99%	16.759%
9	11.079	1634	1639	1652	rBV	662876	855030	76.31%	13.052%
10	12.018	1788	1793	1807	rBV	899072	1120398	100.00%	17.103%

Sum of corrected areas: 6550908

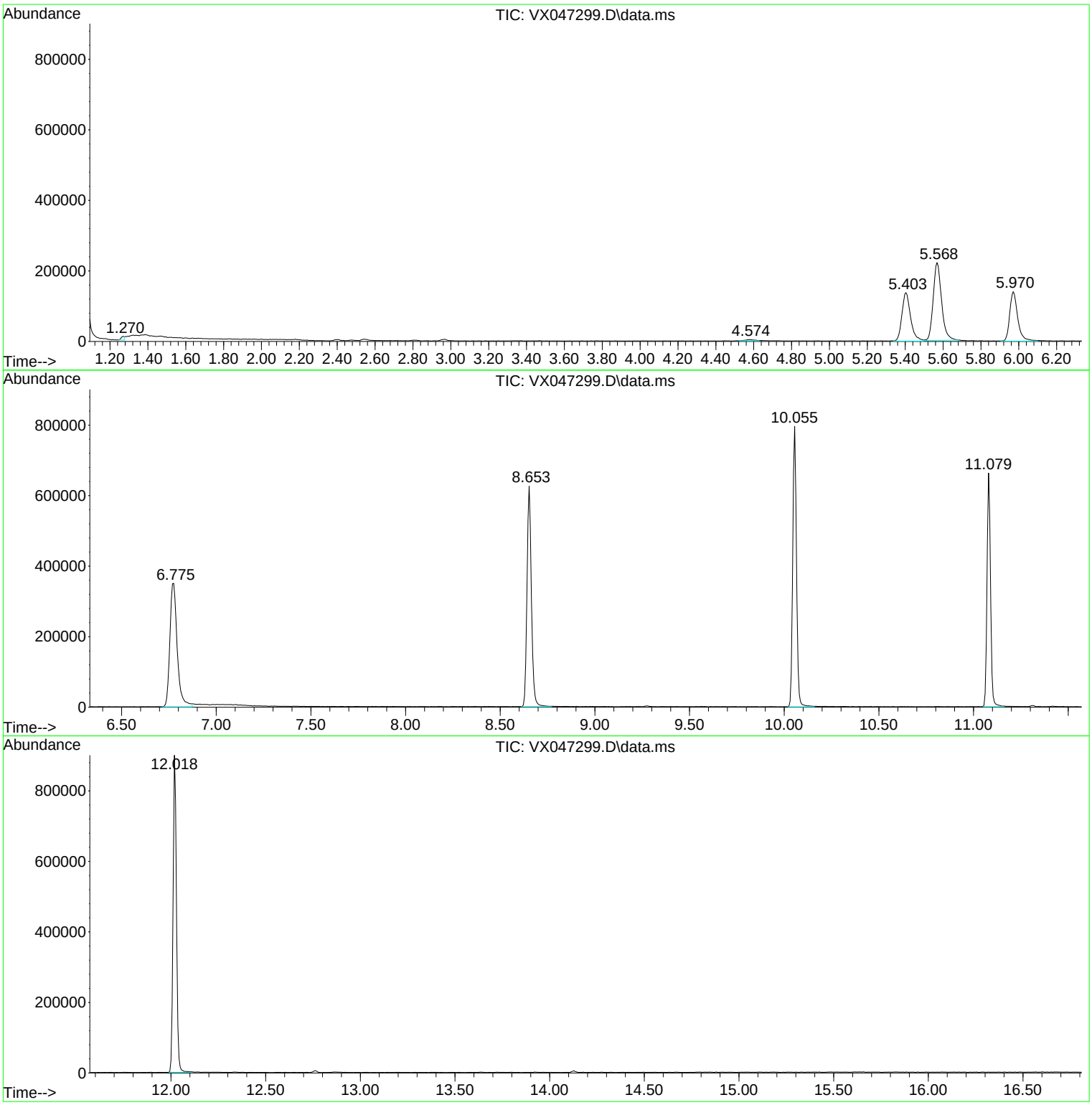
Sample Results: **VX047299.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047299.D
Acq On : 12 Aug 2025 16:01
Operator : JC/MD
Sample : Q2814-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047299.D
Acq On : 12 Aug 2025 16:01
Operator : JC/MD
Sample : Q2814-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047299.D
Acq On : 12 Aug 2025 16:01
Operator : JC/MD
Sample : Q2814-09
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-10	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
VX047300.D	1	08/12/25 16:23	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.40	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.36	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-10	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
VX047300.D	1	08/12/25 16:23	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.1		81 - 118		100%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		80 - 119		103%	SPK: 50
2037-26-5	Toluene-d8	45.1		89 - 112		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.3		85 - 114		101%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	257000	5.568				
540-36-3	1,4-Difluorobenzene	442000	6.769				
3114-55-4	Chlorobenzene-d5	402000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	206000	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-10	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
VX047300.D	1	08/12/25 16:23	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047300.D
Acq On : 12 Aug 2025 16:23
Operator : JC/MD
Sample : Q2814-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

Quant Time: Aug 13 01:23:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

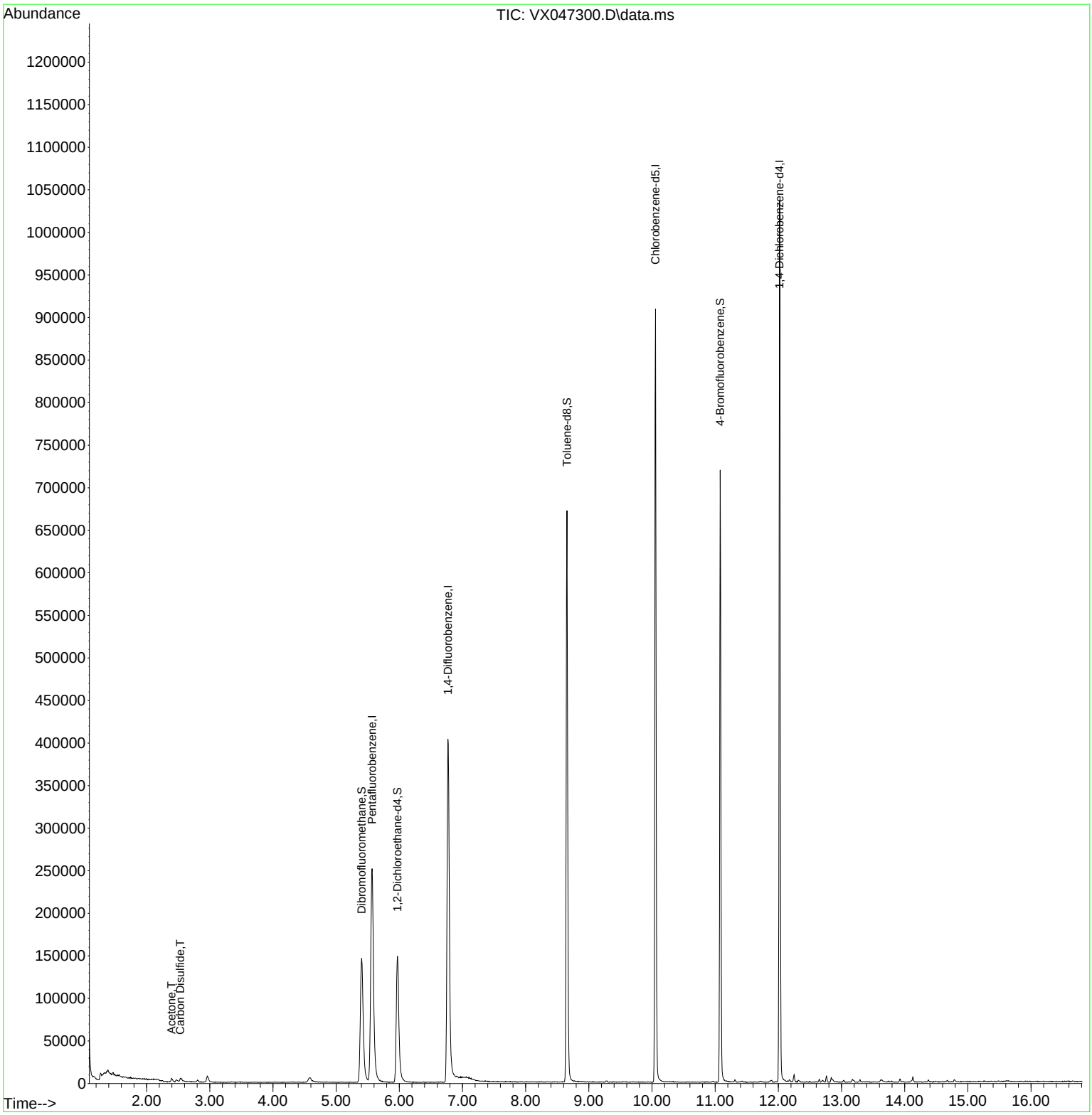
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	256738	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	441768	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	402262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	205788	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	160189	50.088	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.180%			
35) Dibromofluoromethane	5.404	113	140910	51.660	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.320%			
50) Toluene-d8	8.653	98	398458	45.108	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.220%#			
62) 4-Bromofluorobenzene	11.079	95	191507	50.308	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.620%			
Target Compounds						Qvalue
16) Acetone	2.392	43	5591	4.364	ug/l	100
17) Carbon Disulfide	2.532	76	3333	0.357	ug/l #	76

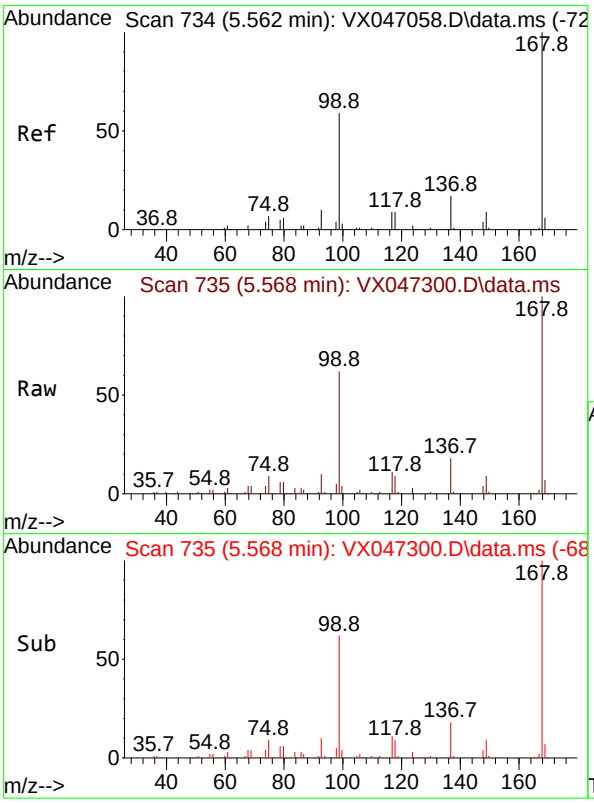
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047300.D
Acq On : 12 Aug 2025 16:23
Operator : JC/MD
Sample : Q2814-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

Quant Time: Aug 13 01:23:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



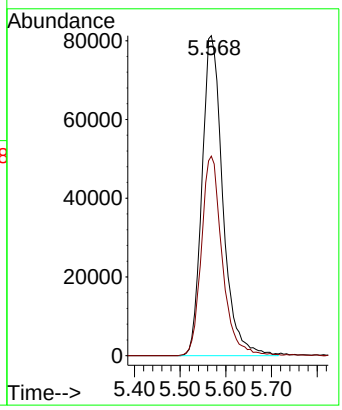


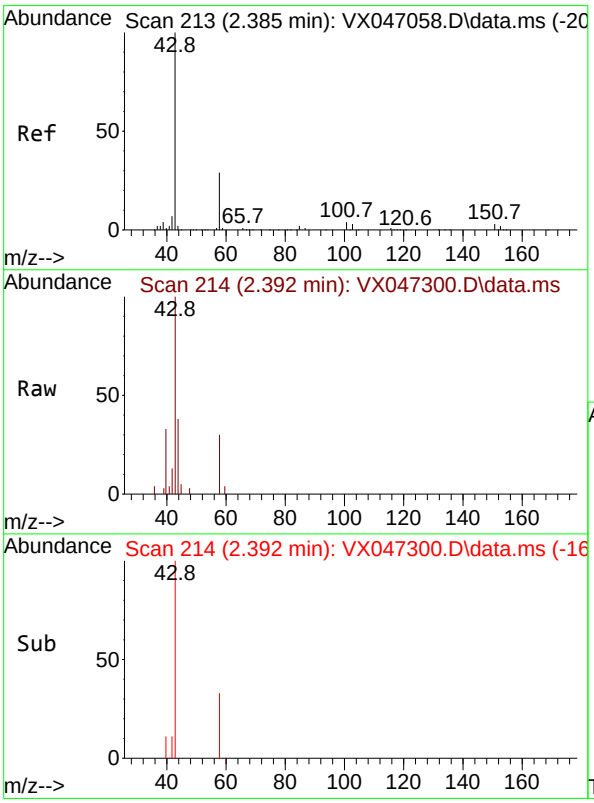
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

Tgt Ion:168 Resp: 256738

Ion	Ratio	Lower	Upper
168	100		
99	62.3	48.0	72.0

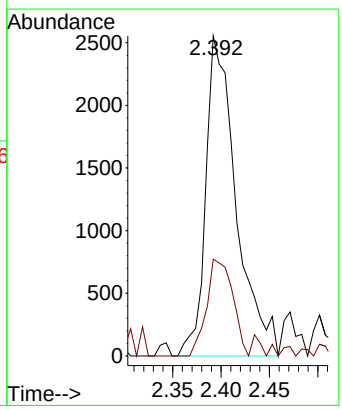


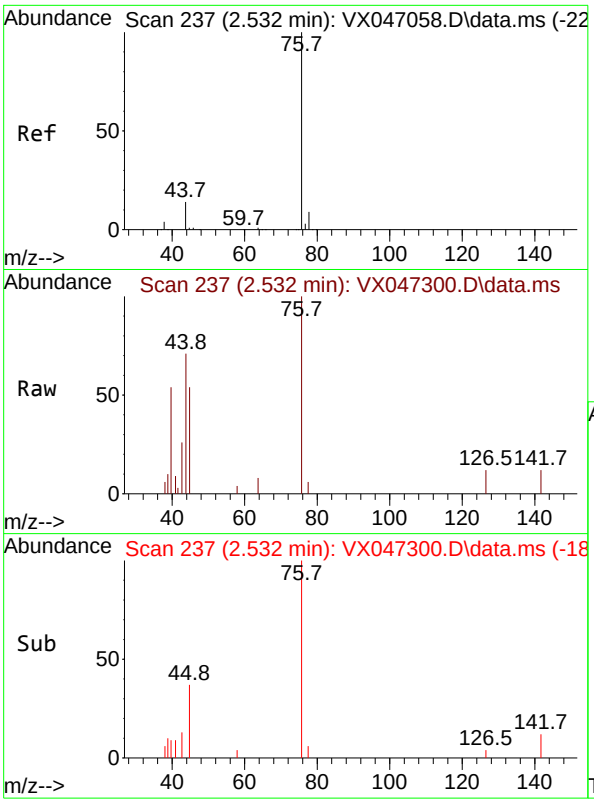


#16
Acetone
Concen: 4.364 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion: 43 Resp: 5591

Ion	Ratio	Lower	Upper
43	100		
58	30.2	24.0	36.0



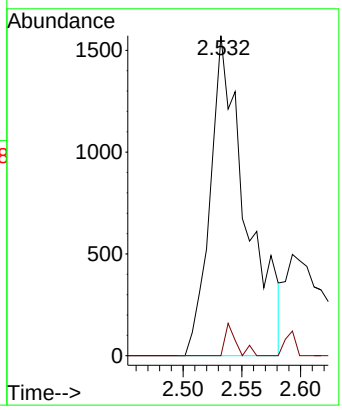


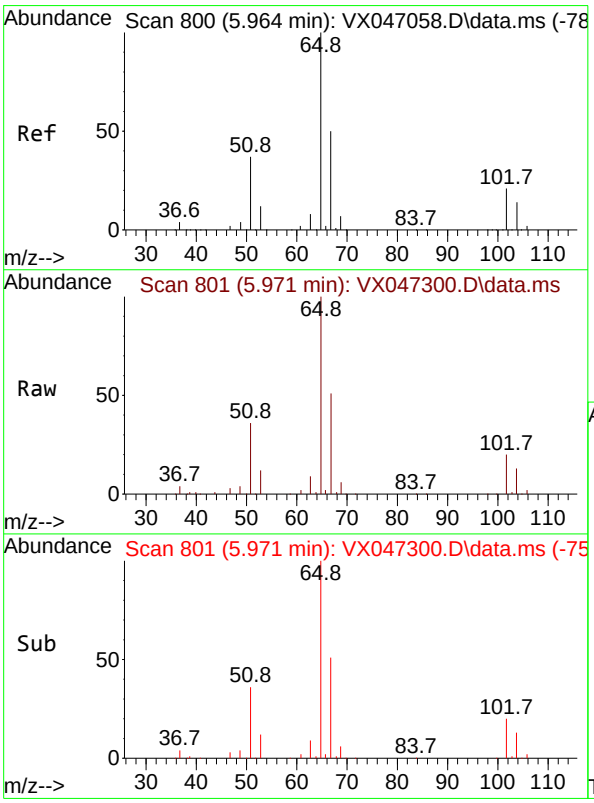
#17
Carbon Disulfide
Concen: 0.357 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.001 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

Tgt Ion: 76 Resp: 3333

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

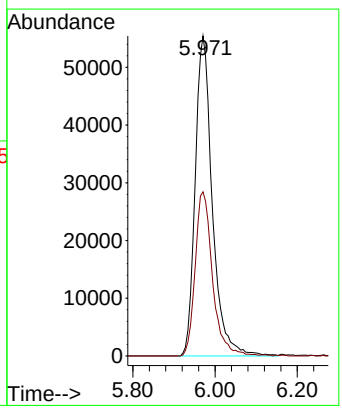


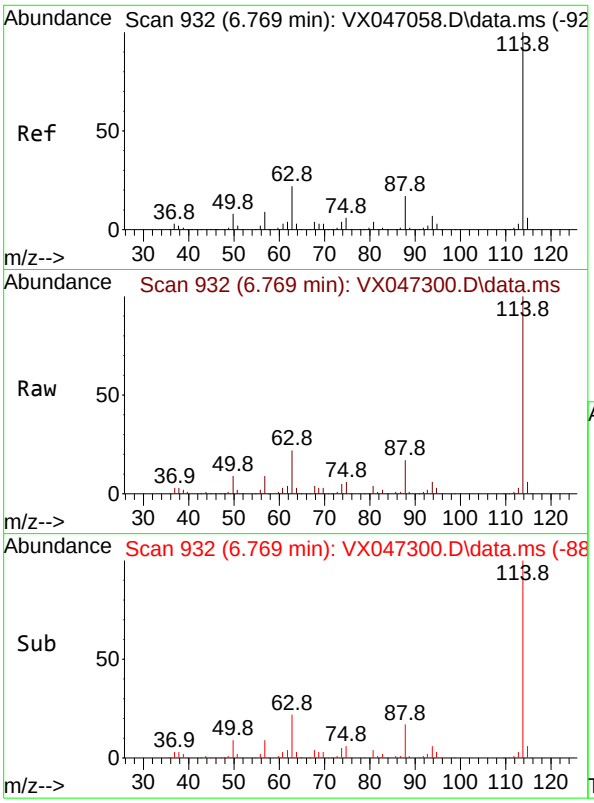


#33
1,2-Dichloroethane-d4
Concen: 50.088 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion: 65 Resp: 160189

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.8



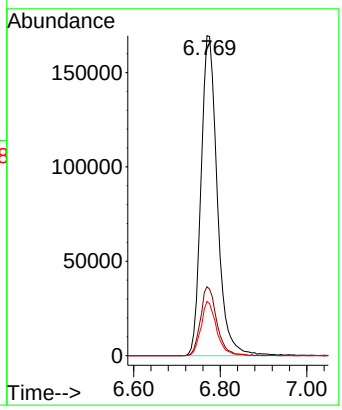


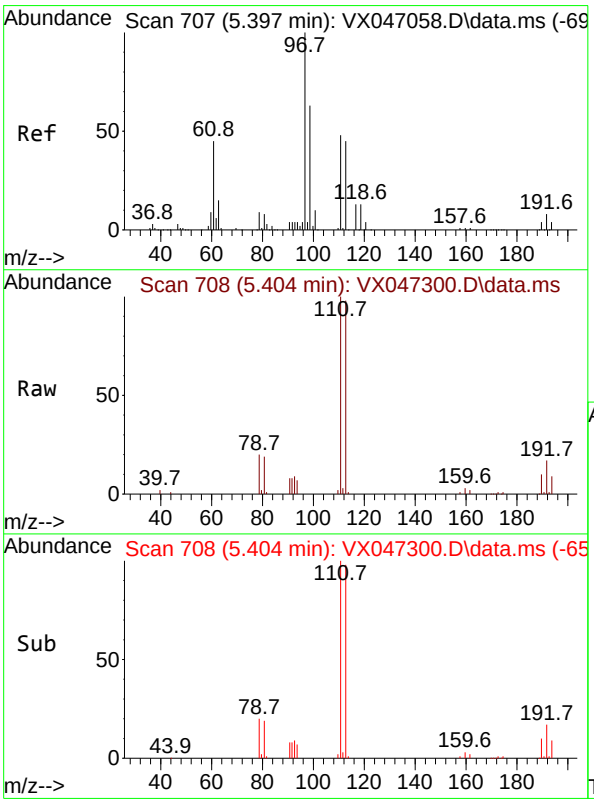
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

Tgt Ion:114 Resp: 441768

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	16.9	0.0	33.8

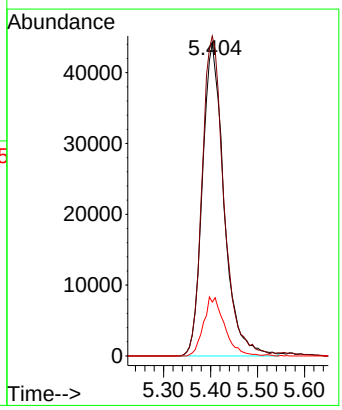


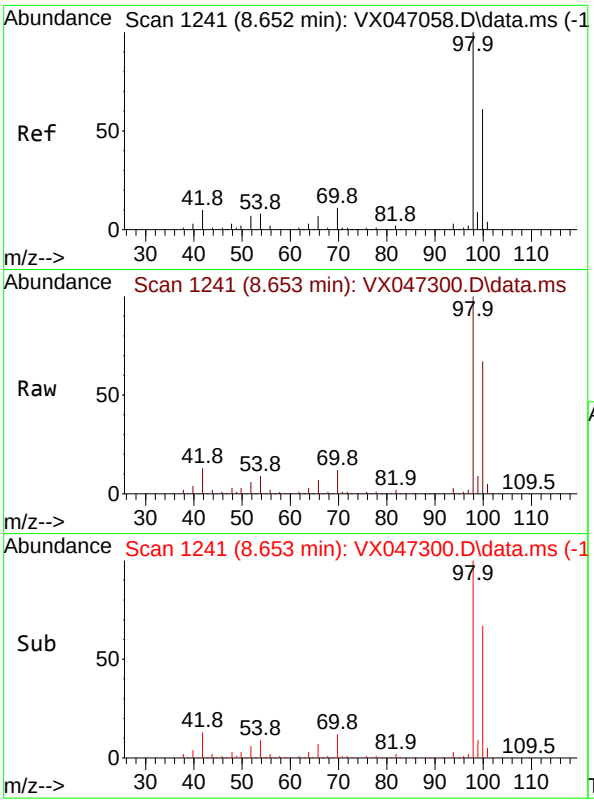


#35
Dibromofluoromethane
Concen: 51.660 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.007 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion:113 Resp: 140910

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	124.0
192	18.4	14.9	22.3



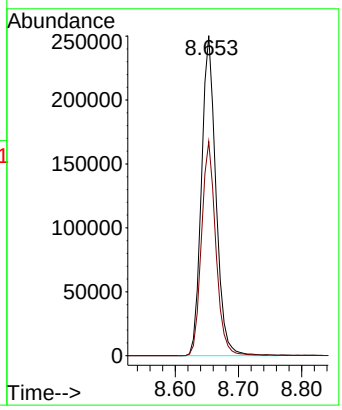


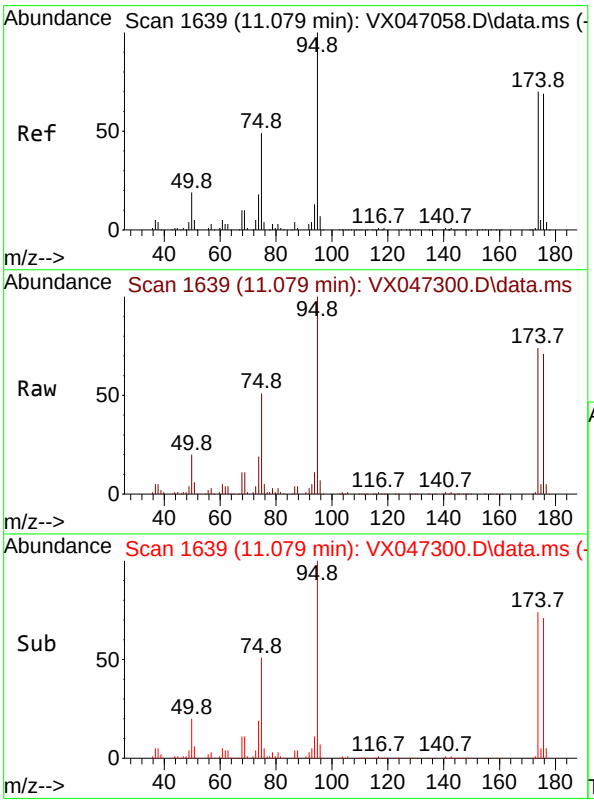
#50
Toluene-d8
Concen: 45.108 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

Tgt Ion: 98 Resp: 398458

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9

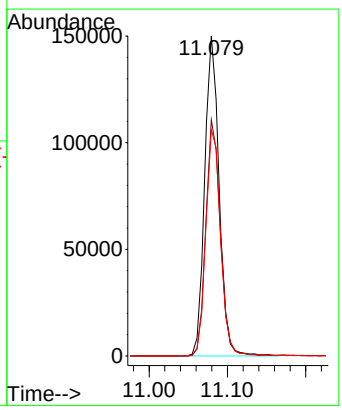


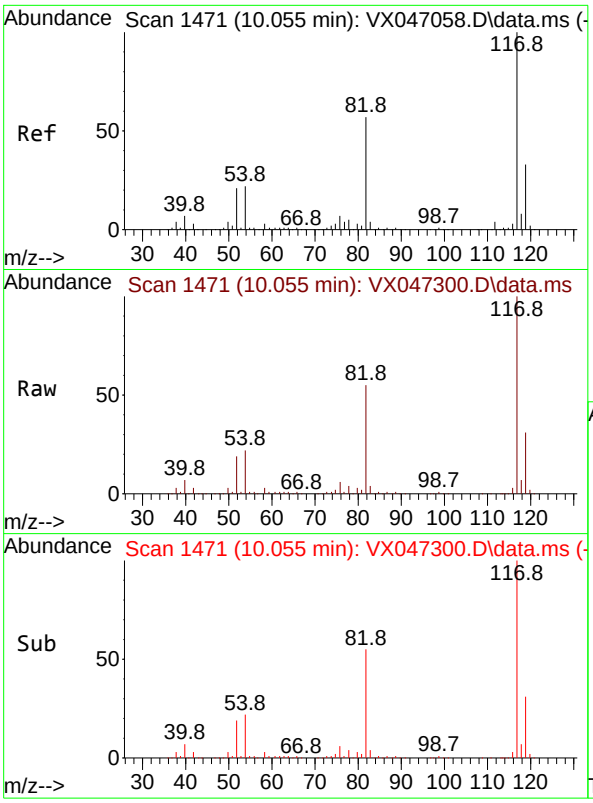


#62
4-Bromofluorobenzene
Concen: 50.308 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion: 95 Resp: 191507

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	144.6
176	72.2	0.0	139.6



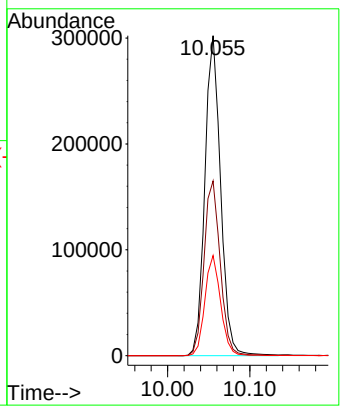


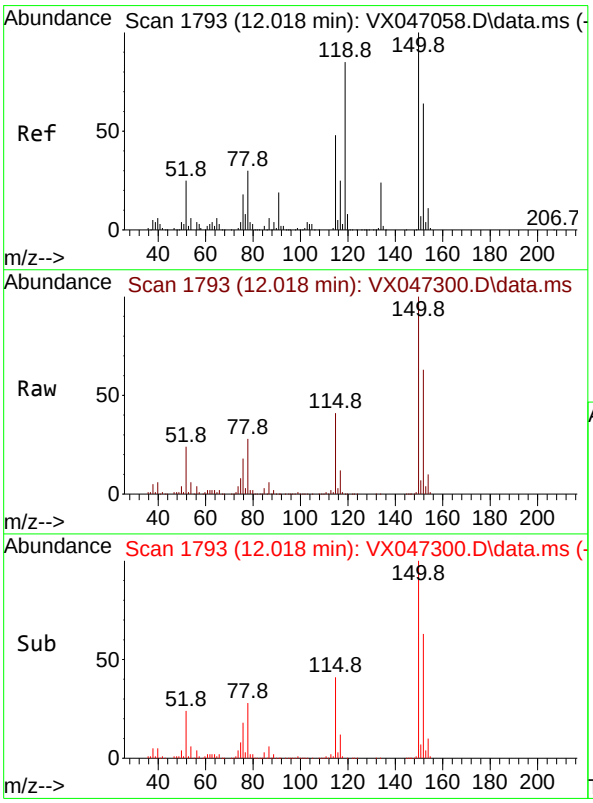
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

Tgt Ion:117 Resp: 402262

Ion	Ratio	Lower	Upper
117	100		
82	54.6	45.4	68.2
119	31.3	26.1	39.1

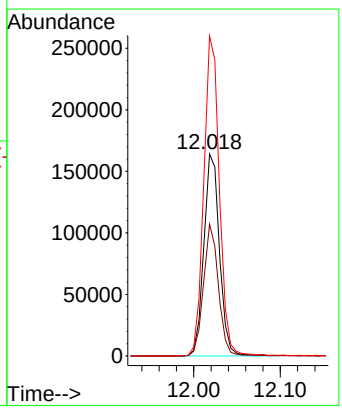




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.001 min
Lab File: VX047300.D
Acq: 12 Aug 2025 16:23

Tgt Ion:152 Resp: 205788

Ion	Ratio	Lower	Upper
152	100		
115	62.4	45.6	136.7
150	158.0	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047300.D
Acq On : 12 Aug 2025 16:23
Operator : JC/MD
Sample : Q2814-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047300.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	26	30	33	rBV	7642	13738	1.08%	0.189%
2	2.959	302	307	320	rVB3	6911	15690	1.23%	0.216%
3	4.581	564	573	580	rBV3	5262	17416	1.36%	0.239%
4	5.404	696	708	725	rBV3	145742	466234	36.50%	6.404%
5	5.568	725	735	754	rVB	249265	774923	60.67%	10.644%
6	5.971	792	801	829	rBV	148169	434821	34.04%	5.973%
7	6.769	923	932	948	rBV	403206	1053561	82.48%	14.471%
8	8.653	1234	1241	1252	rBV	671047	1069619	83.74%	14.692%
9	10.055	1465	1471	1489	rBV	908287	1241096	97.16%	17.047%
10	11.079	1634	1639	1652	rBV	719000	915899	71.70%	12.580%
11	12.018	1788	1793	1805	rBV	1035797	1277328	100.00%	17.545%

Sum of corrected areas: 7280325

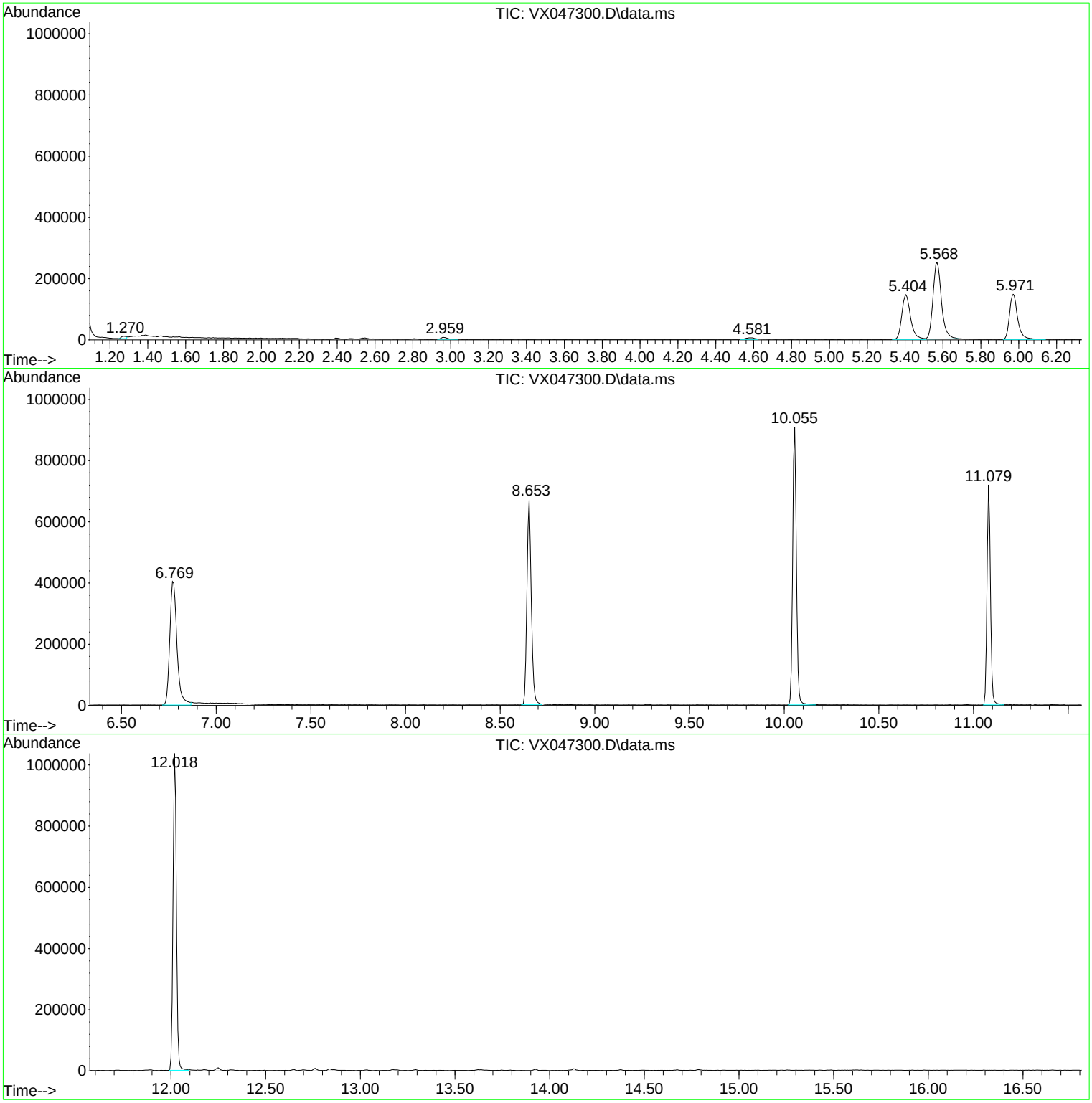
Sample Results: **VX047300.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047300.D
Acq On : 12 Aug 2025 16:23
Operator : JC/MD
Sample : Q2814-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047300.D
Acq On : 12 Aug 2025 16:23
Operator : JC/MD
Sample : Q2814-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047300.D
Acq On : 12 Aug 2025 16:23
Operator : JC/MD
Sample : Q2814-10
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-11	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
VX047301.D	1	08/12/25 16:44	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	4.70	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.34	J	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-11	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
VX047301.D	1	08/12/25 16:44	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.0		81 - 118		108%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4		80 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.9		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	218000	5.574				
540-36-3	1,4-Difluorobenzene	375000	6.775				
3114-55-4	Chlorobenzene-d5	340000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	176000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/06/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-38M-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-11	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
VX047301.D	1	08/12/25 16:44	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047301.D
Acq On : 12 Aug 2025 16:44
Operator : JC/MD
Sample : Q2814-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

Quant Time: Aug 13 01:24:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

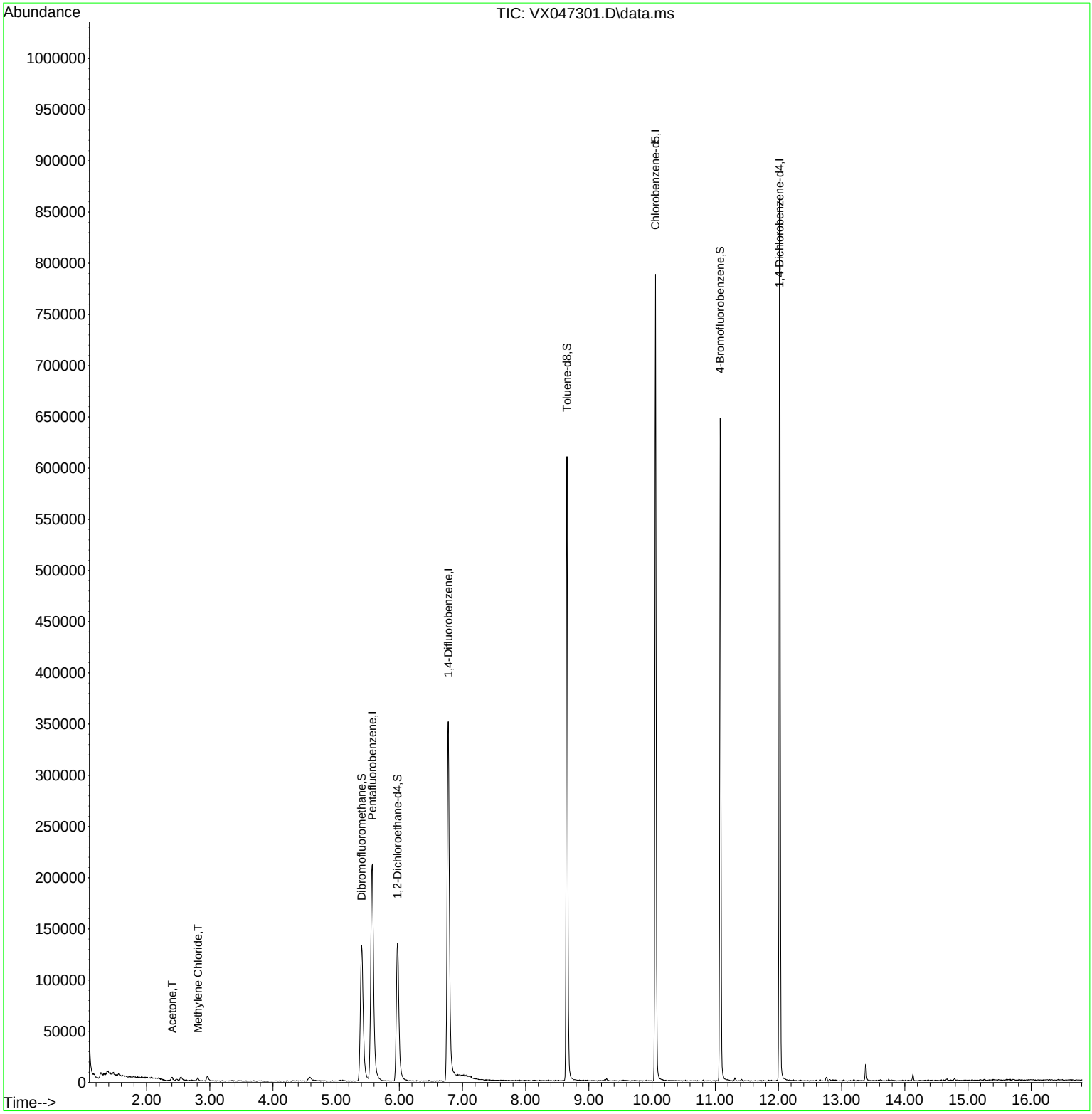
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.574	168	217653	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	6.775	114	374811	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	339646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	176128	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	146310	53.964	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.920%			
35) Dibromofluoromethane	5.403	113	128275	55.429	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.860%			
50) Toluene-d8	8.653	98	362560	48.377	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.760%			
62) 4-Bromofluorobenzene	11.079	95	173963	53.863	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.720%			
Target Compounds						Qvalue
16) Acetone	2.404	43	5077	4.674	ug/l	95
20) Methylene Chloride	2.812	84	1021	0.342	ug/l #	82

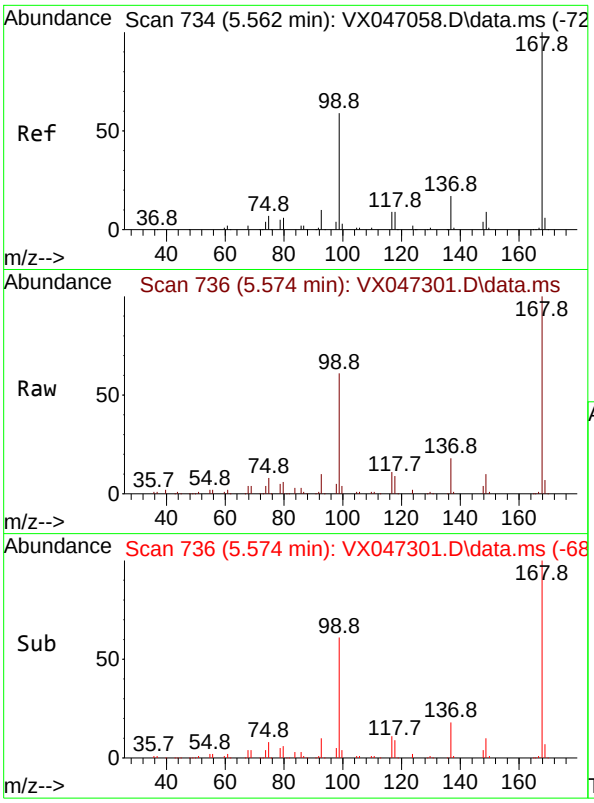
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047301.D
Acq On : 12 Aug 2025 16:44
Operator : JC/MD
Sample : Q2814-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

Quant Time: Aug 13 01:24:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



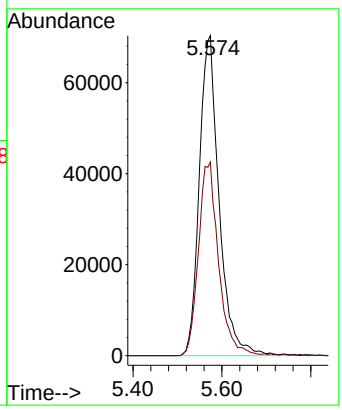


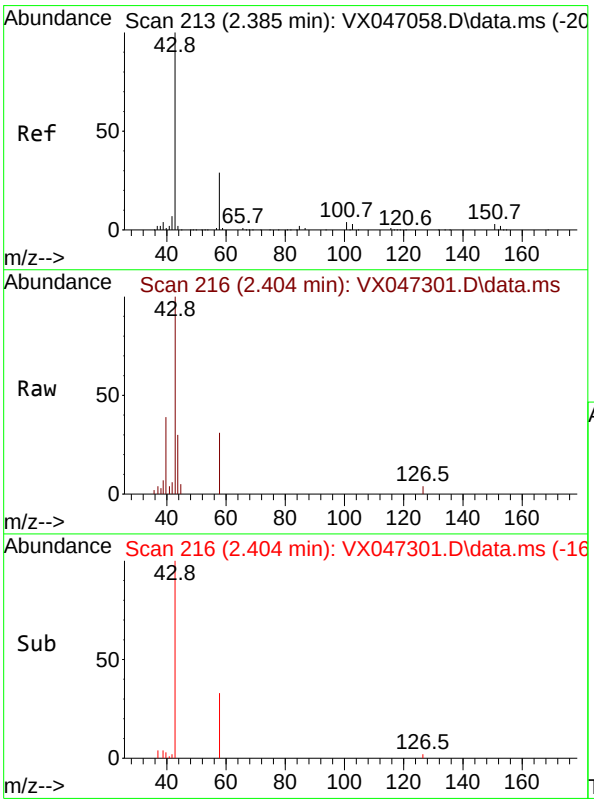
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.574 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

Tgt Ion:168 Resp: 217653

Ion	Ratio	Lower	Upper
168	100		
99	60.4	48.0	72.0

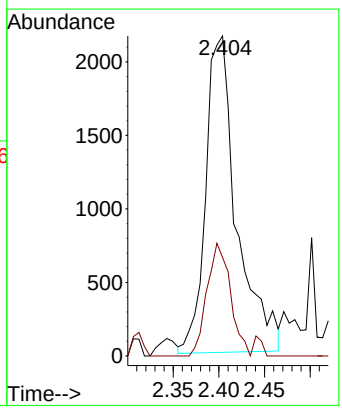


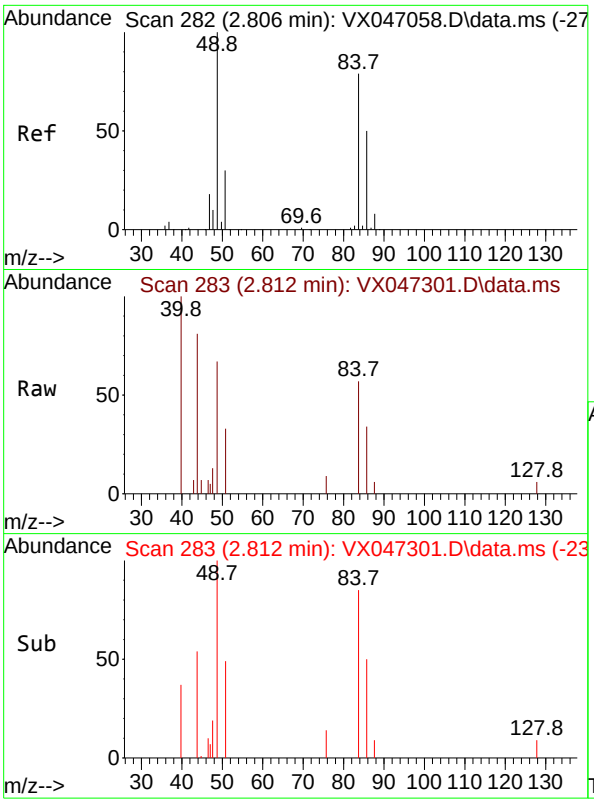


#16
Acetone
Concen: 4.674 ug/l
RT: 2.404 min Scan# 216
Delta R.T. 0.019 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Tgt Ion: 43 Resp: 5077

Ion	Ratio	Lower	Upper
43	100		
58	32.7	24.0	36.0



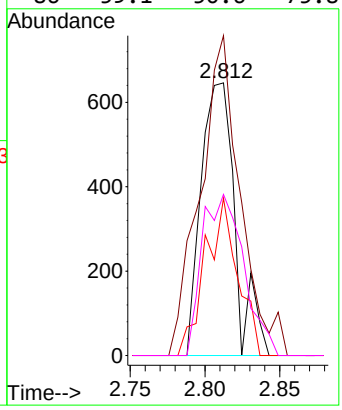


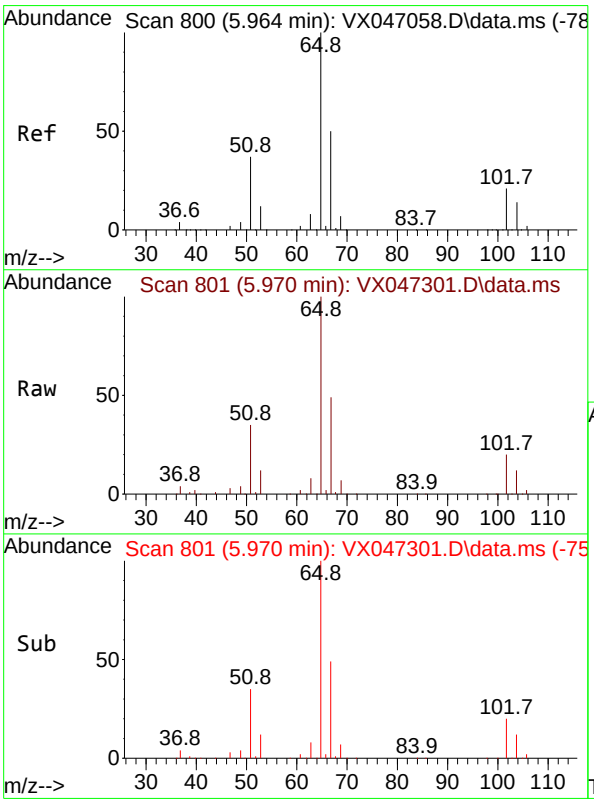
#20
Methylene Chloride
Concen: 0.342 ug/l
RT: 2.812 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

Tgt Ion: 84 Resp: 1021

Ion	Ratio	Lower	Upper
84	100		
49	103.3	101.6	152.4
51	57.7	30.3	45.5#
86	59.1	50.6	75.8

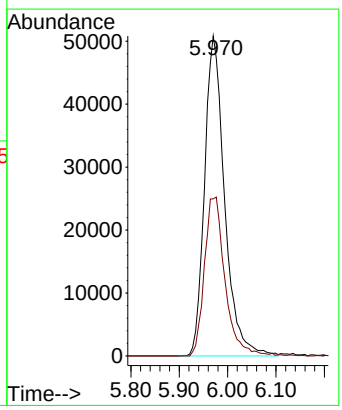


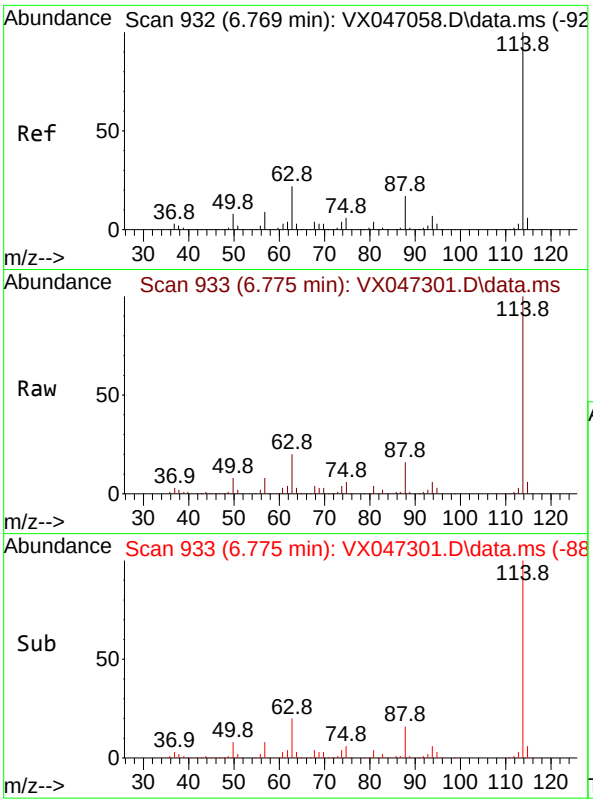


#33
1,2-Dichloroethane-d4
Concen: 53.964 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Tgt Ion: 65 Resp: 146310

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.8



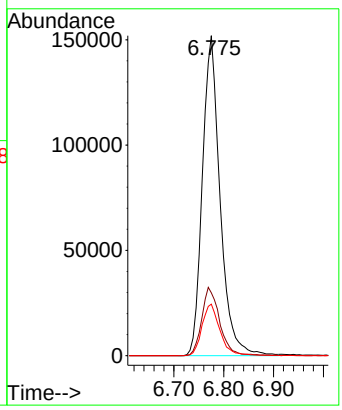


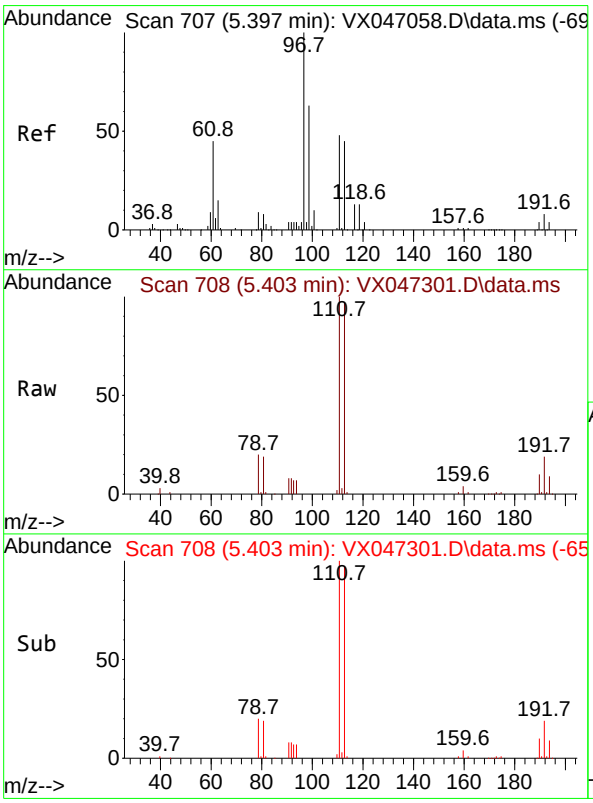
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

Tgt Ion:114 Resp: 374811

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	43.2
88	16.1	0.0	33.8

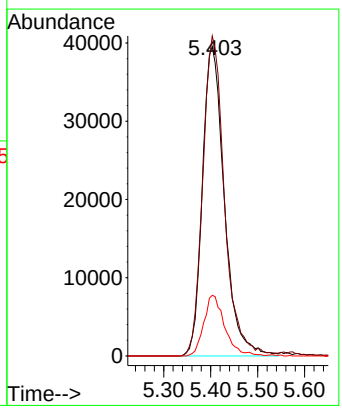


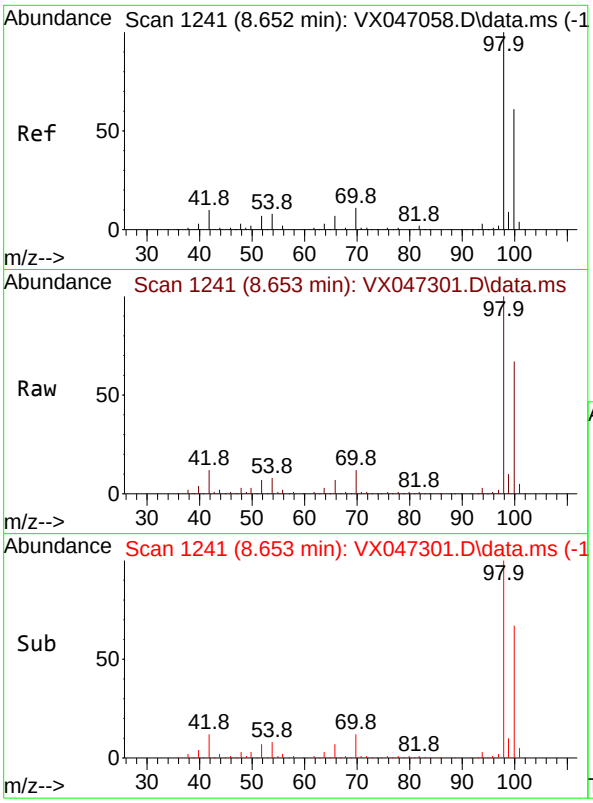


#35
Dibromofluoromethane
Concen: 55.429 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Tgt Ion:113 Resp: 128275

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	124.0
192	18.7	14.9	22.3



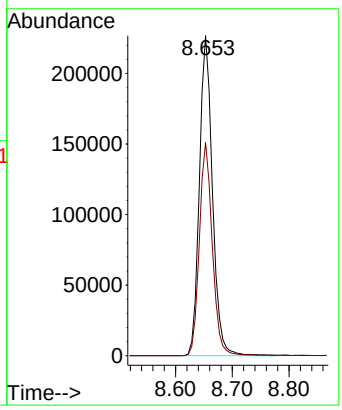


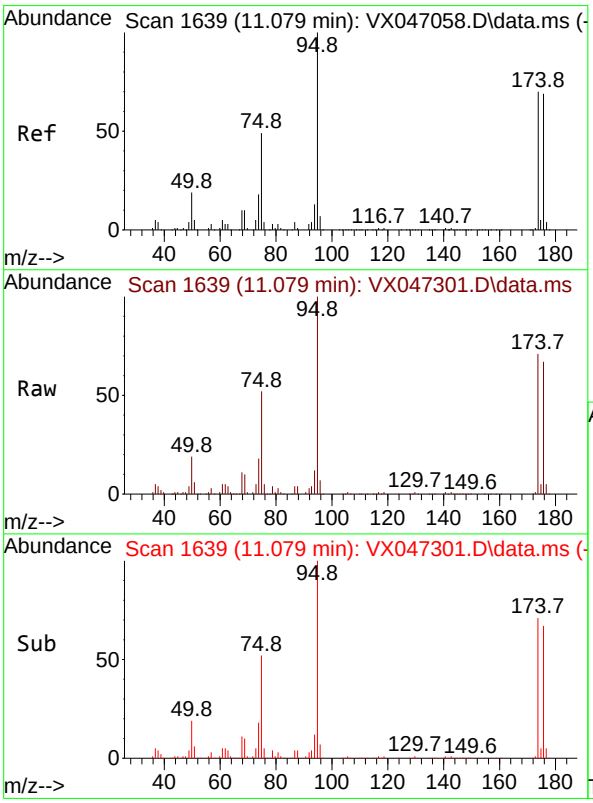
#50
Toluene-d8
Concen: 48.377 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

Tgt Ion: 98 Resp: 362560

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.3	79.9

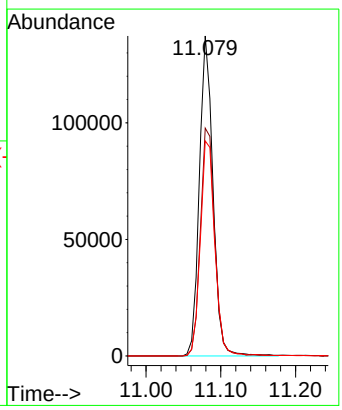


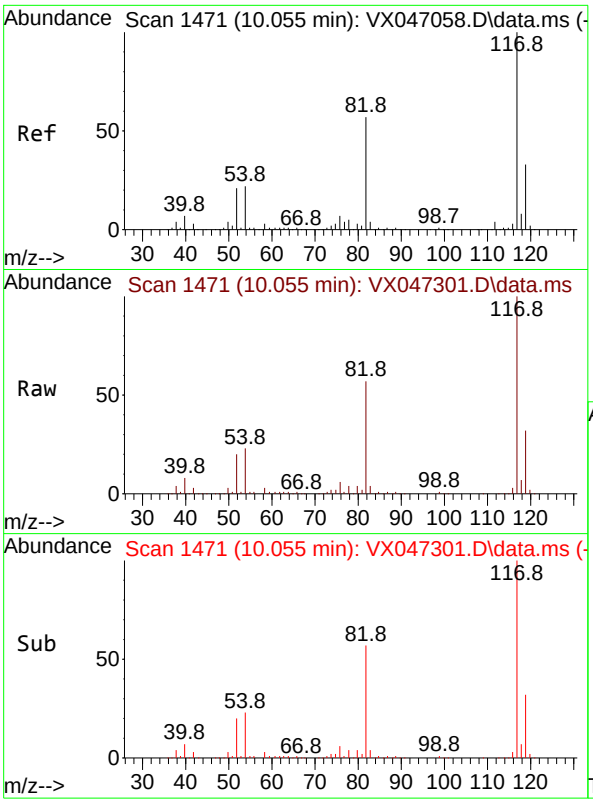


#62
4-Bromofluorobenzene
Concen: 53.863 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Tgt Ion: 95 Resp: 173963

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	144.6
176	71.8	0.0	139.6



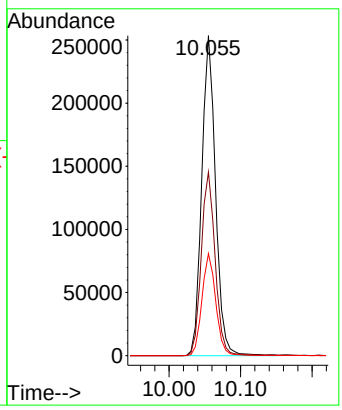


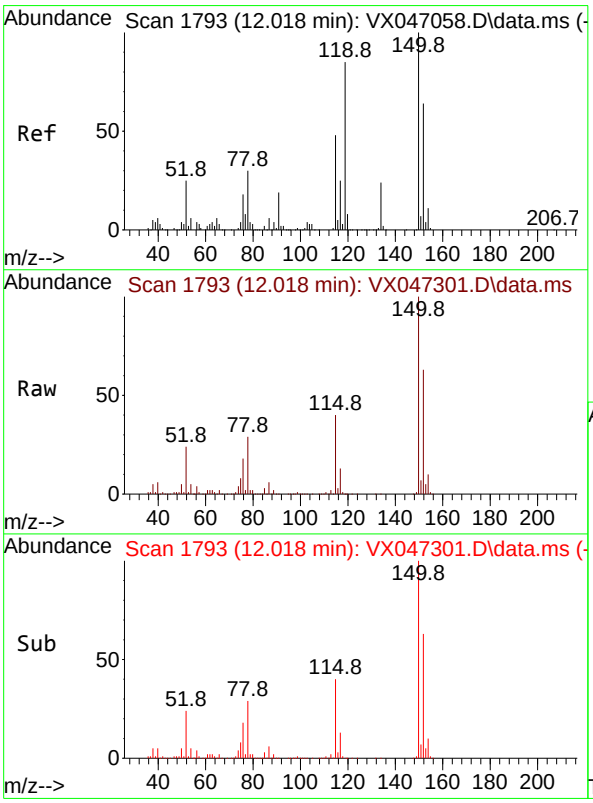
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

Tgt Ion:117 Resp: 339646

Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.4	68.2
119	31.9	26.1	39.1

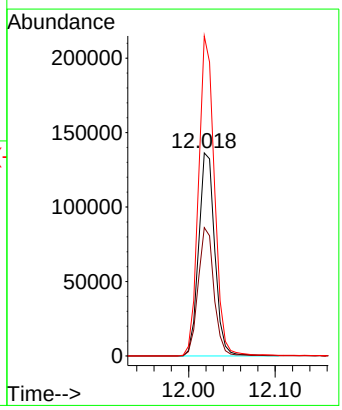




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047301.D
Acq: 12 Aug 2025 16:44

Tgt Ion:152 Resp: 176128

Ion	Ratio	Lower	Upper
152	100		
115	62.4	45.6	136.7
150	155.4	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047301.D
Acq On : 12 Aug 2025 16:44
Operator : JC/MD
Sample : Q2814-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047301.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.959	302	307	315	rBV5	4647	10936	1.01%	0.171%
2	4.574	564	572	582	rBV4	3894	14063	1.29%	0.219%
3	5.403	695	708	725	rBV3	132749	421367	38.75%	6.575%
4	5.574	725	736	762	rVB	210932	670713	61.67%	10.466%
5	5.970	791	801	824	rBV	134765	398116	36.61%	6.212%
6	6.775	924	933	951	rBV	350867	905037	83.22%	14.123%
7	8.653	1234	1241	1259	rBV	609735	976483	89.79%	15.238%
8	10.055	1465	1471	1487	rBV	787734	1068739	98.27%	16.677%
9	11.079	1634	1639	1651	rBV	647407	832766	76.57%	12.995%
10	12.018	1788	1793	1804	rBV	861019	1087531	100.00%	16.971%
11	13.384	2012	2017	2022	rBV	15664	22602	2.08%	0.353%

Sum of corrected areas: 6408353

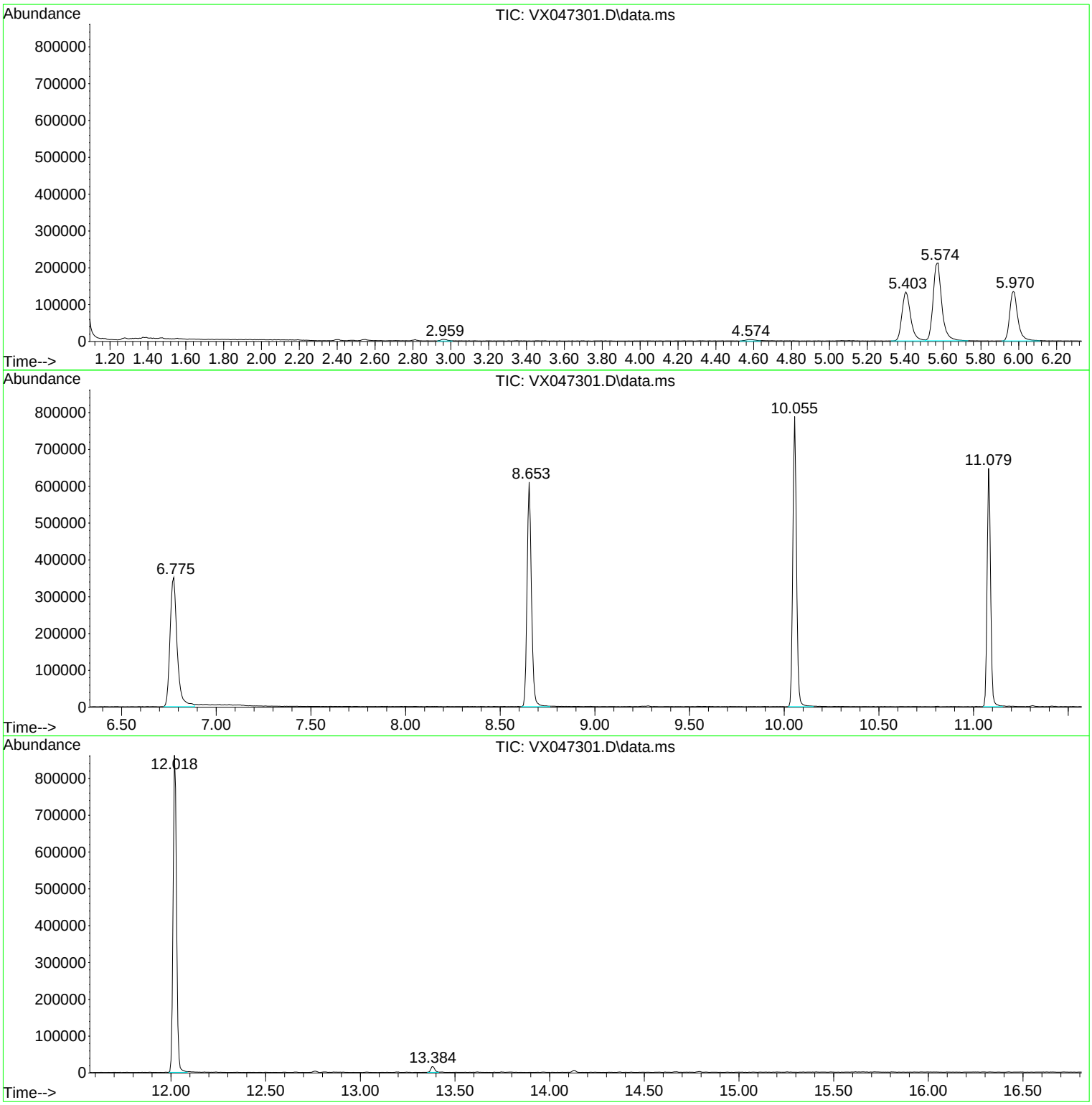
Sample Results: **VX047301.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047301.D
Acq On : 12 Aug 2025 16:44
Operator : JC/MD
Sample : Q2814-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047301.D
Acq On : 12 Aug 2025 16:44
Operator : JC/MD
Sample : Q2814-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX081225\
Data File : VX047301.D
Acq On : 12 Aug 2025 16:44
Operator : JC/MD
Sample : Q2814-11
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-12	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
VX047302.D	1	08/12/25 17:06	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	16.5		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.73	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.33	J	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-12	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
VX047302.D	1	08/12/25 17:06	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	71.5	*	81 - 118		143%	SPK: 50
1868-53-7	Dibromofluoromethane	71.2	*	80 - 119		142%	SPK: 50
2037-26-5	Toluene-d8	60.9	*	89 - 112		122%	SPK: 50
460-00-4	4-Bromofluorobenzene	67.5	*	85 - 114		135%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	131000	5.568				
540-36-3	1,4-Difluorobenzene	232000	6.769				
3114-55-4	Chlorobenzene-d5	208000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	107000	12.024				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-12	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
VX047302.D	1	08/12/25 17:06	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047302.D
Acq On : 12 Aug 2025 17:06
Operator : JC/MD
Sample : Q2814-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Quant Time: Aug 13 01:24:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

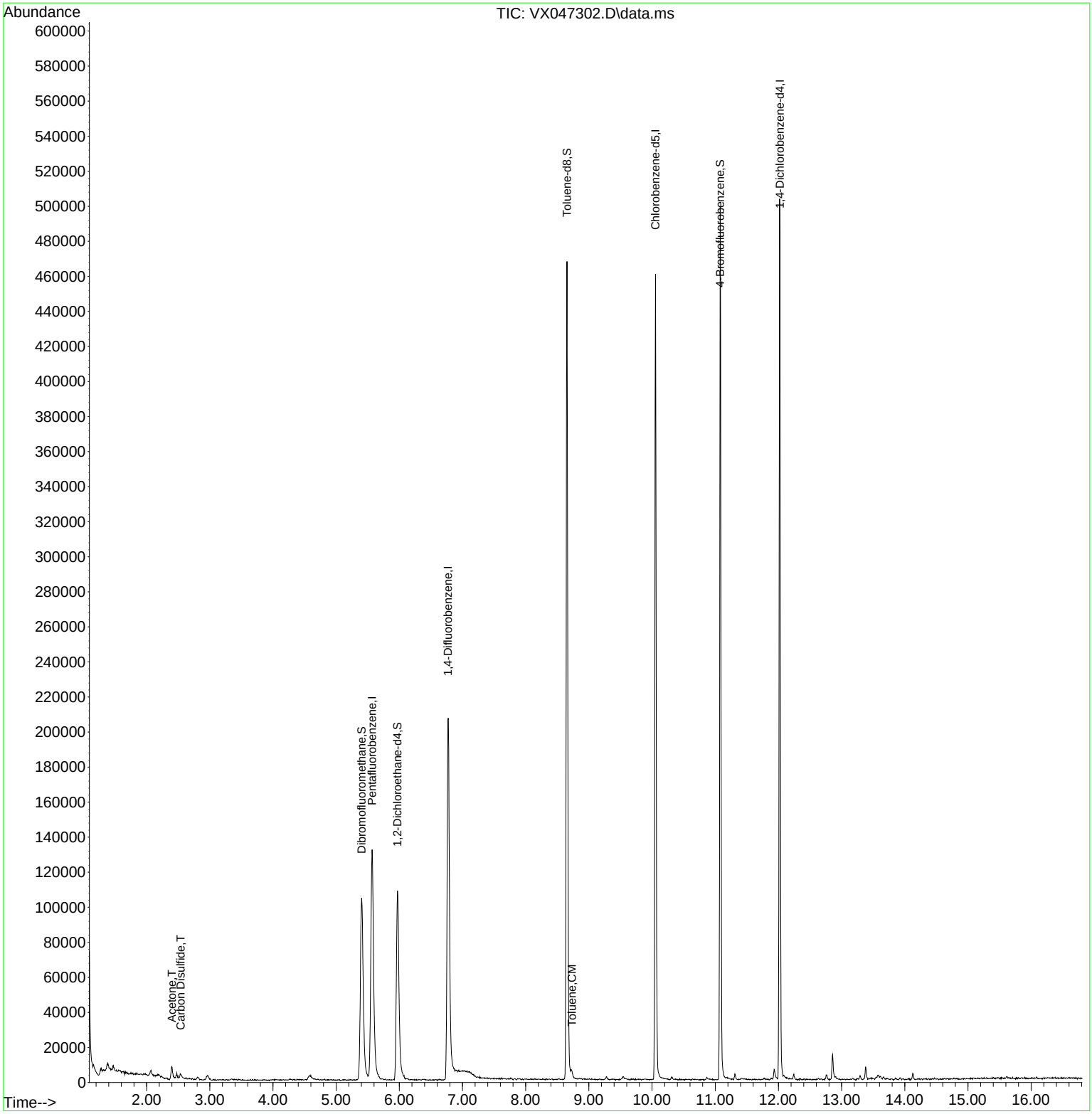
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	130839	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	231793	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	208120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	106606	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	116537	71.502	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 143.000%#			
35) Dibromofluoromethane	5.403	113	101969	71.249	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 142.500%#			
50) Toluene-d8	8.653	98	282384	60.927	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 121.860%#			
62) 4-Bromofluorobenzene	11.079	95	134819	67.499	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 135.000%#			
Target Compounds						Qvalue
16) Acetone	2.398	43	10777	16.506	ug/l	98
17) Carbon Disulfide	2.538	76	3453	0.726	ug/l	96
52) Toluene	8.732	92	1431	0.330	ug/l #	74

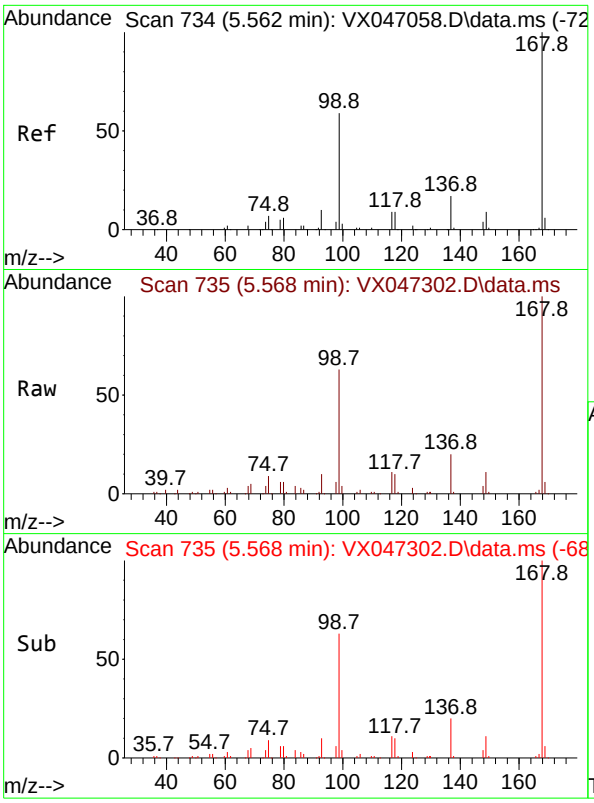
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047302.D
Acq On : 12 Aug 2025 17:06
Operator : JC/MD
Sample : Q2814-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Quant Time: Aug 13 01:24:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



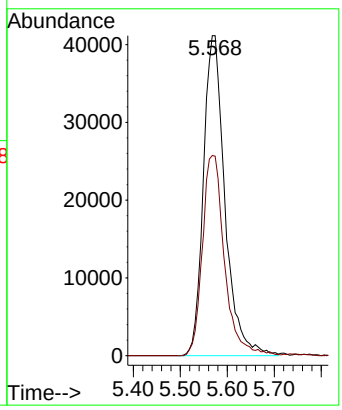


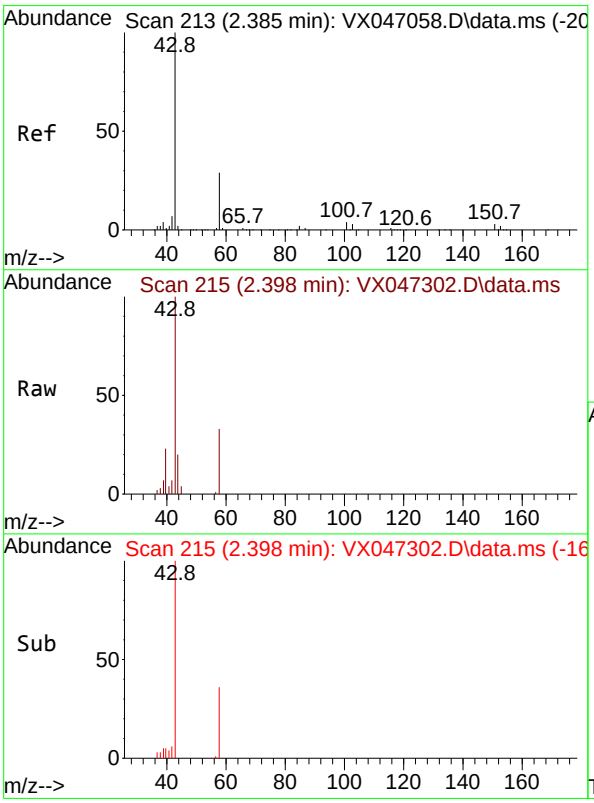
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Tgt Ion:168 Resp: 130839

Ion	Ratio	Lower	Upper
168	100		
99	62.6	48.0	72.0

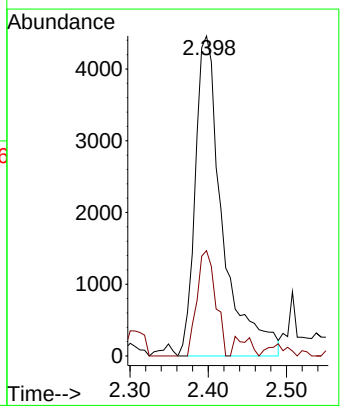


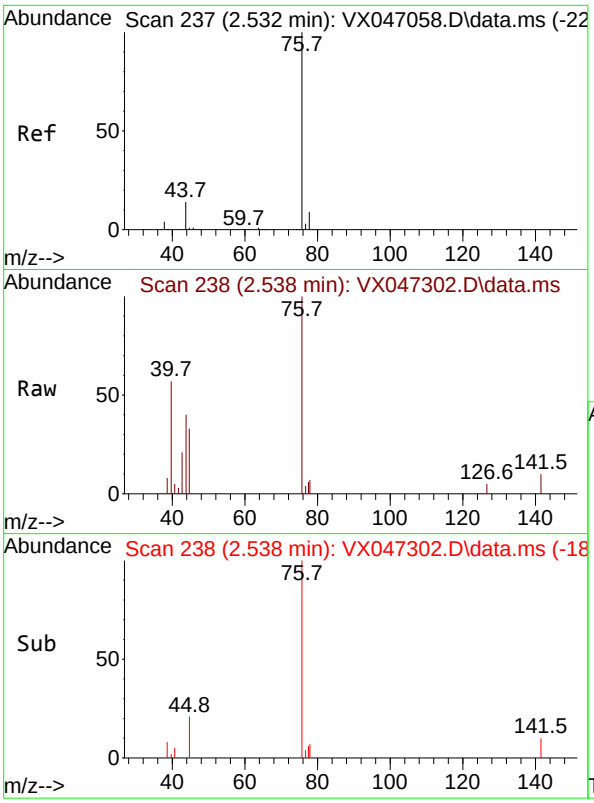


#16
Acetone
Concen: 16.506 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion: 43 Resp: 10777

Ion	Ratio	Lower	Upper
43	100		
58	28.7	24.0	36.0



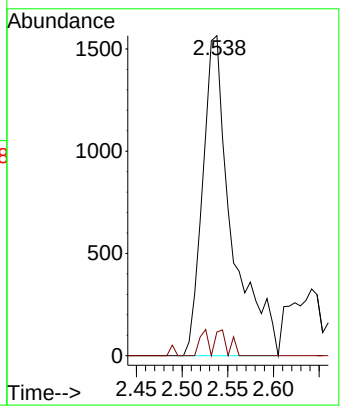


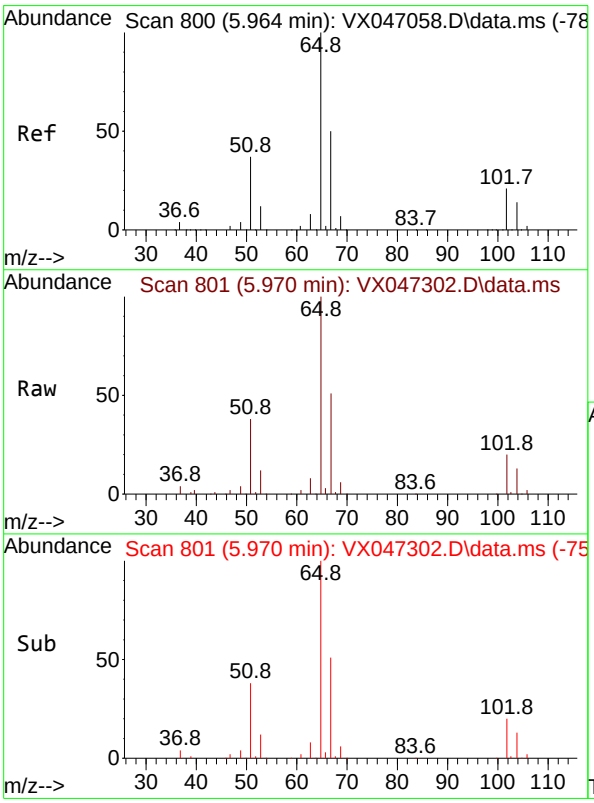
#17
Carbon Disulfide
Concen: 0.726 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Tgt Ion: 76 Resp: 3453

Ion	Ratio	Lower	Upper
76	100		
78	7.4	7.0	10.4

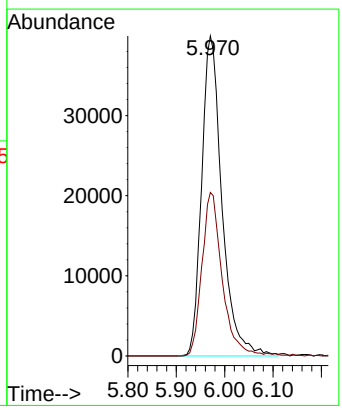


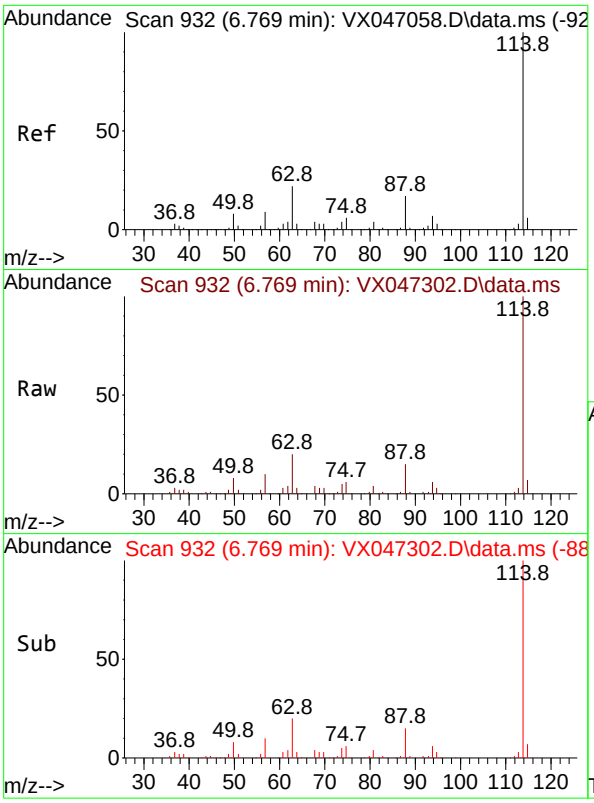


#33
1,2-Dichloroethane-d4
Concen: 71.502 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion: 65 Resp: 116537

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	104.8



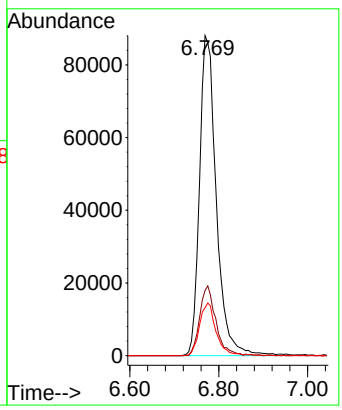


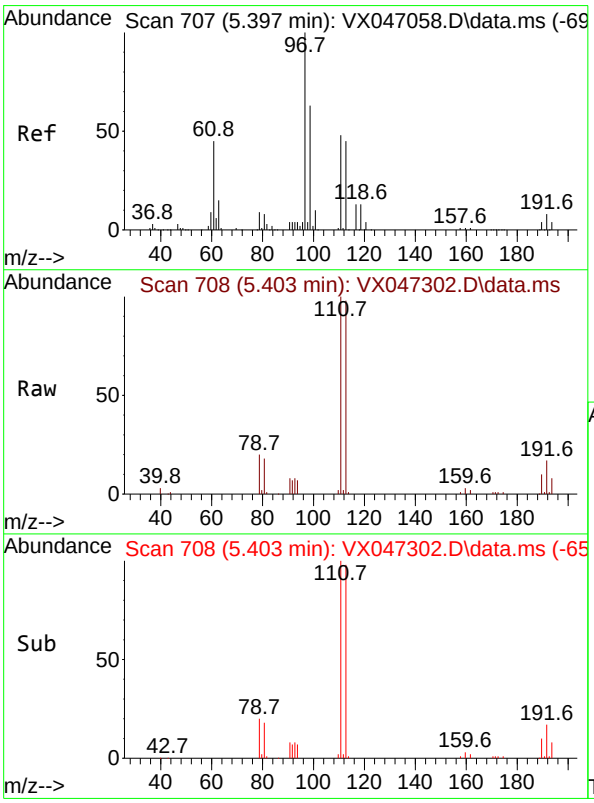
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Tgt Ion:114 Resp: 231793

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	43.2
88	15.0	0.0	33.8

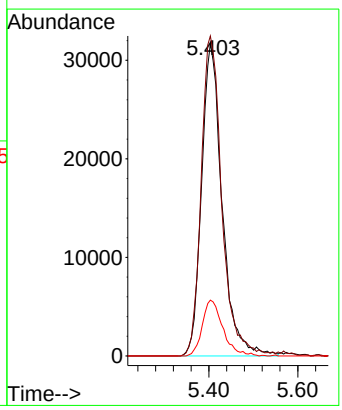


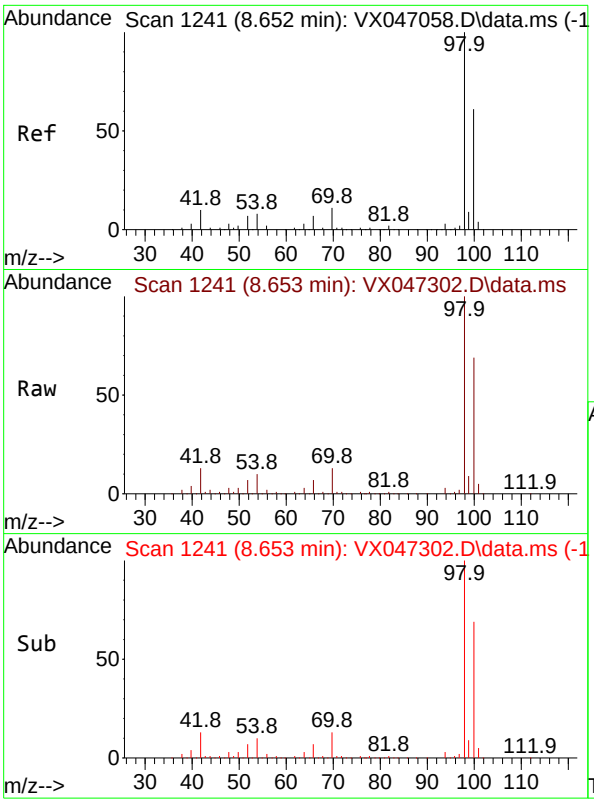


#35
Dibromofluoromethane
Concen: 71.249 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion:113 Resp: 101969

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



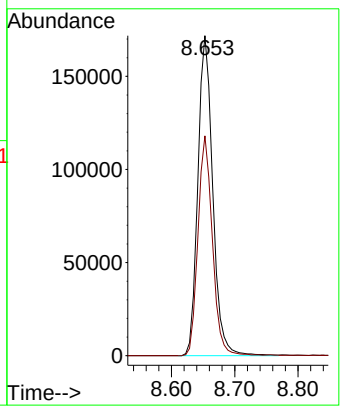


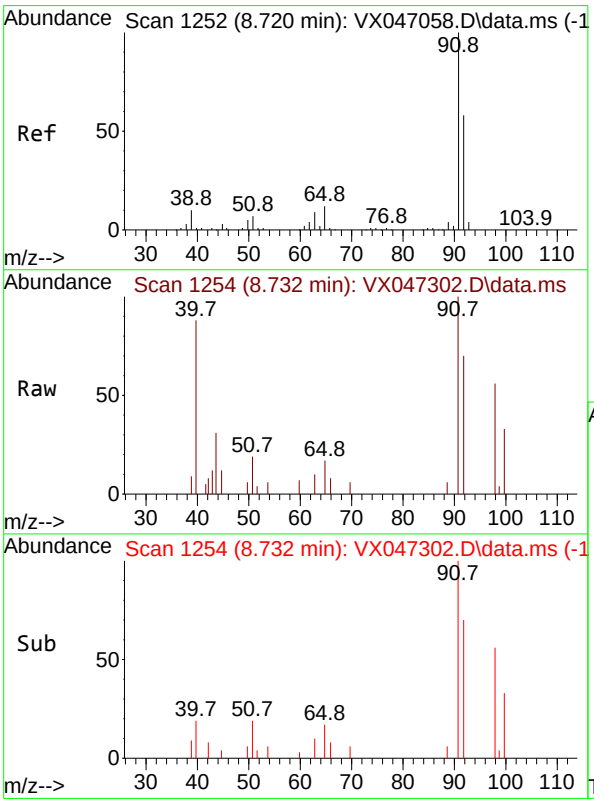
#50
Toluene-d8
Concen: 60.927 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Tgt Ion: 98 Resp: 282384

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9

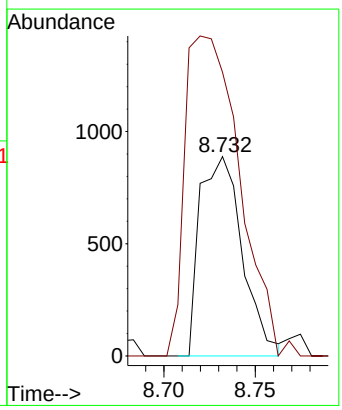


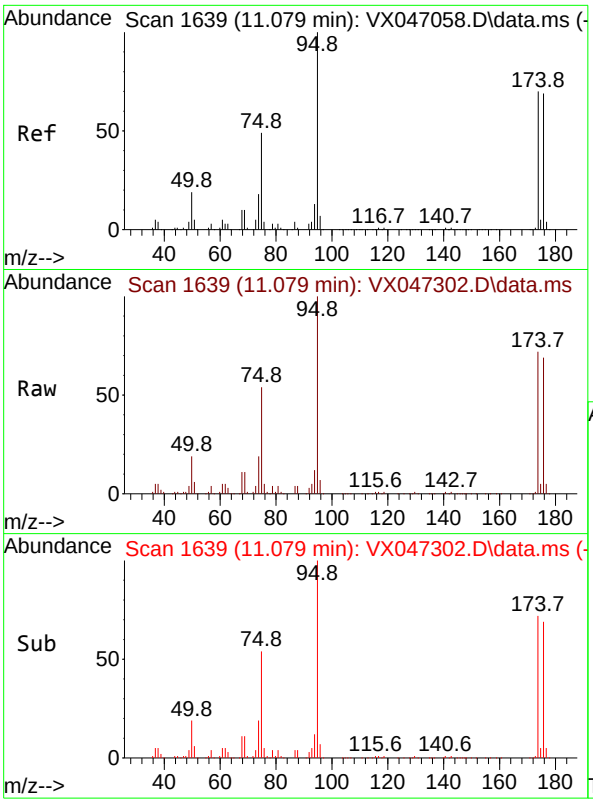


#52
Toluene
Concen: 0.330 ug/l
RT: 8.732 min Scan# 1254
Delta R.T. 0.012 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion: 92 Resp: 1431

Ion	Ratio	Lower	Upper
92	100		
91	207.8	137.9	206.9#



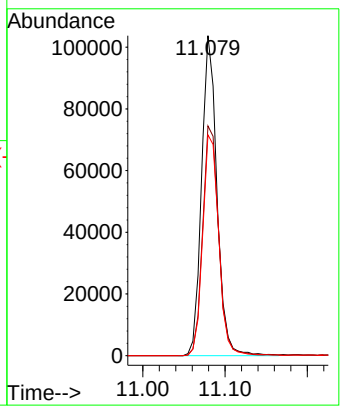


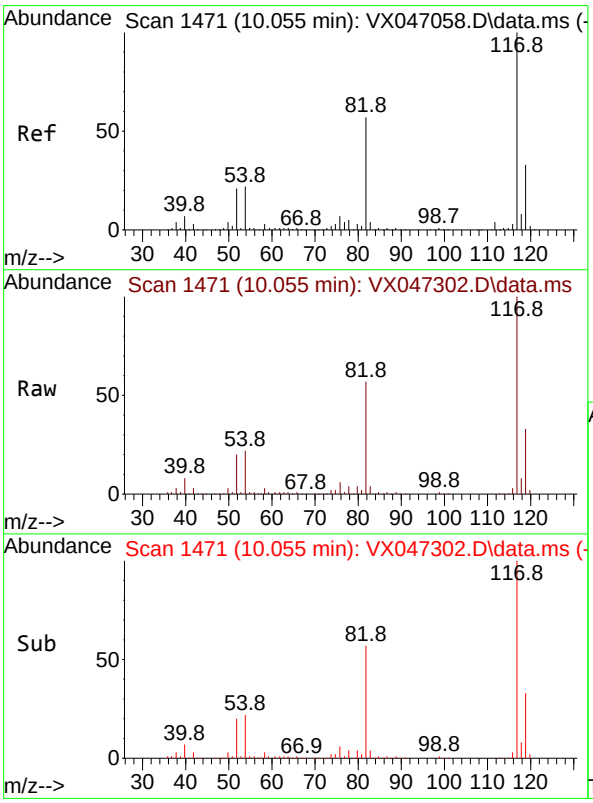
#62
4-Bromofluorobenzene
Concen: 67.499 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Tgt Ion: 95 Resp: 134819

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	144.6
176	72.2	0.0	139.6

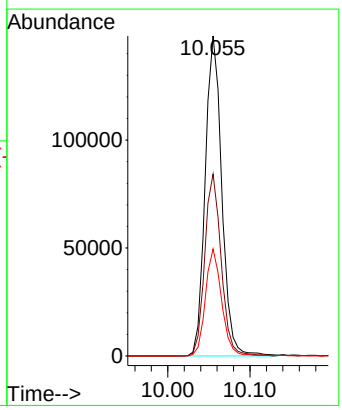


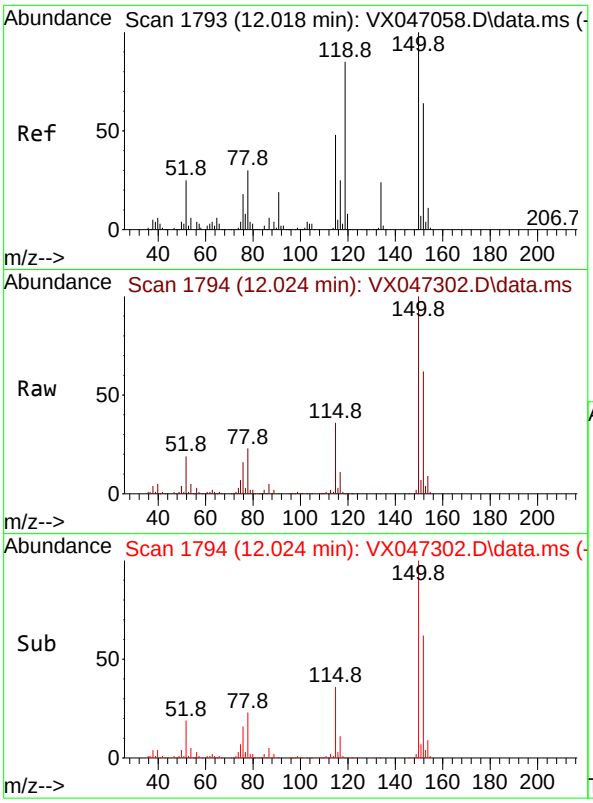


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Tgt Ion:117 Resp: 208120

Ion	Ratio	Lower	Upper
117	100		
82	56.9	45.4	68.2
119	33.4	26.1	39.1



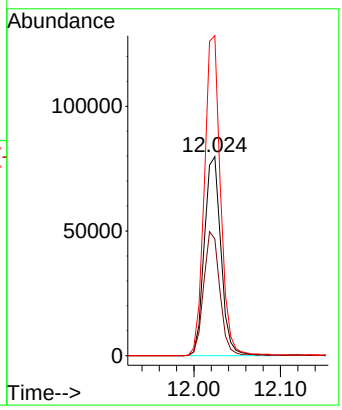


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047302.D
Acq: 12 Aug 2025 17:06

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Tgt Ion:152 Resp: 106606

Ion	Ratio	Lower	Upper
152	100		
115	61.0	45.6	136.7
150	156.7	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047302.D
Acq On : 12 Aug 2025 17:06
Operator : JC/MD
Sample : Q2814-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047302.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	rVB4	6169	13710	1.81%	0.313%
2	2.398	209	215	222	rBV	7529	15855	2.09%	0.362%
3	5.403	697	708	724	rBV3	103732	331095	43.59%	7.564%
4	5.568	725	735	750	rVV	129346	390888	51.46%	8.930%
5	5.970	793	801	817	rBV	107983	313279	41.25%	7.157%
6	6.775	923	933	950	rBV	206389	554582	73.01%	12.670%
7	8.653	1235	1241	1250	rBV	466461	759552	100.00%	17.353%
8	10.055	1465	1471	1486	rBV	459537	649358	85.49%	14.835%
9	11.079	1634	1639	1652	rBV	498246	648198	85.34%	14.809%
10	11.933	1775	1779	1785	rBV4	5505	9469	1.25%	0.216%
11	12.018	1788	1793	1802	rBV	502222	658130	86.65%	15.036%
12	12.859	1925	1931	1936	rBV3	14258	22382	2.95%	0.511%
13	13.384	2012	2017	2022	rVB3	7121	10634	1.40%	0.243%

Sum of corrected areas: 4377132

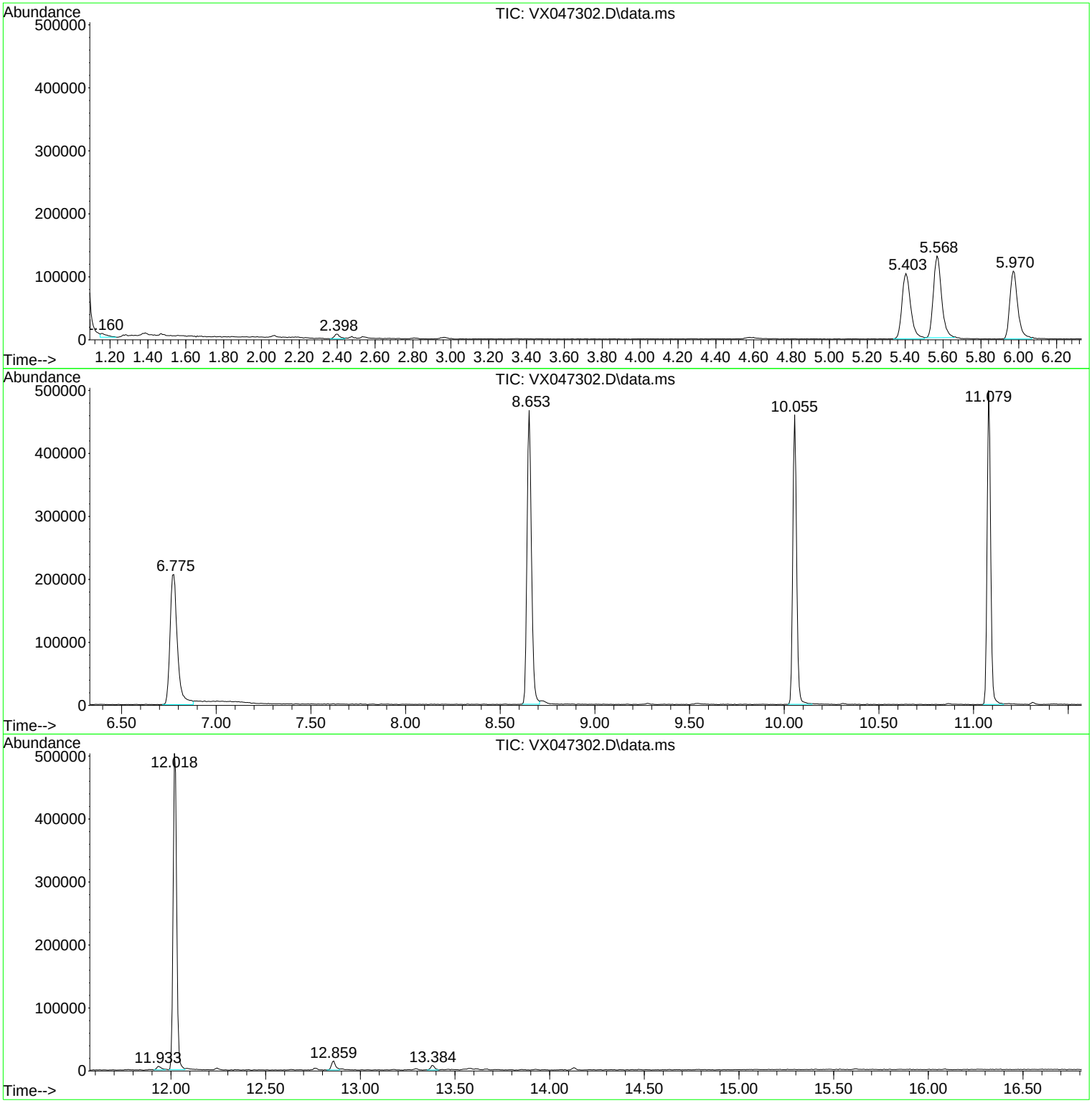
Sample Results: **VX047302.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047302.D
Acq On : 12 Aug 2025 17:06
Operator : JC/MD
Sample : Q2814-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047302.D
Acq On : 12 Aug 2025 17:06
Operator : JC/MD
Sample : Q2814-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047302.D
Acq On : 12 Aug 2025 17:06
Operator : JC/MD
Sample : Q2814-12
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-SRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-12RE	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
VX047314.D	1	08/13/25 12:13	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	7.80		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-SRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-12RE	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
VX047314.D	1	08/13/25 12:13	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.6	*	81 - 118		119%	SPK: 50
1868-53-7	Dibromofluoromethane	57.4		80 - 119		115%	SPK: 50
2037-26-5	Toluene-d8	48.3		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.1		85 - 114		110%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	179000	5.568				
540-36-3	1,4-Difluorobenzene	320000	6.769				
3114-55-4	Chlorobenzene-d5	302000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	155000	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-SRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-12RE	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
VX047314.D	1	08/13/25 12:13	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081325\
Data File : VX047314.D
Acq On : 13 Aug 2025 12:13
Operator : JC/MD
Sample : Q2814-12RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-SRE

Quant Time: Aug 14 03:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

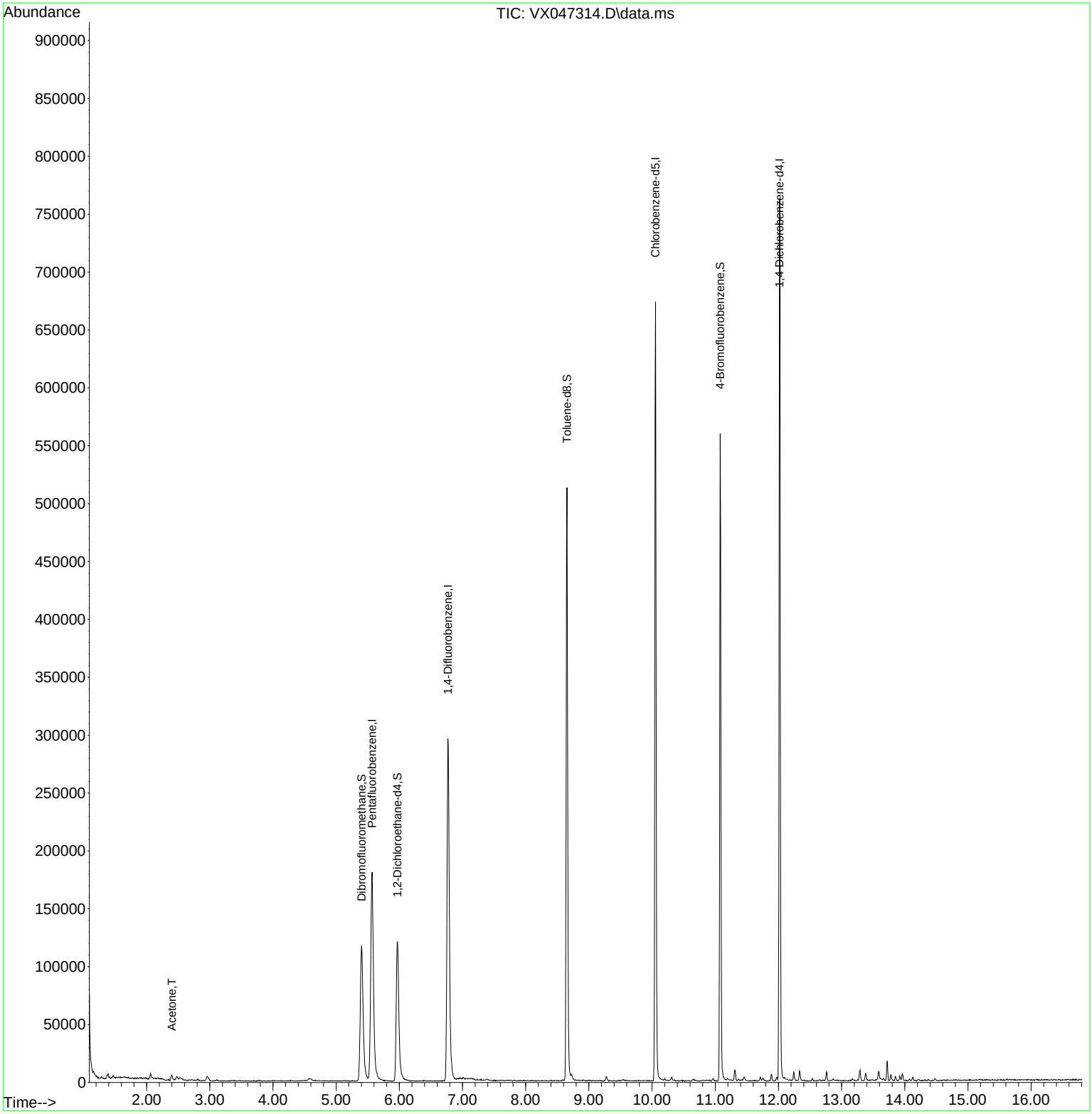
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	179477	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	320322	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	302132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	155373	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	133264	59.607	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 119.220%#			
35) Dibromofluoromethane	5.403	113	113615	57.446	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 114.900%			
50) Toluene-d8	8.653	98	309343	48.297	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.600%			
62) 4-Bromofluorobenzene	11.079	95	152202	55.142	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 110.280%			
Target Compounds						Qvalue
16) Acetone	2.398	43	7030	7.849	ug/l #	84

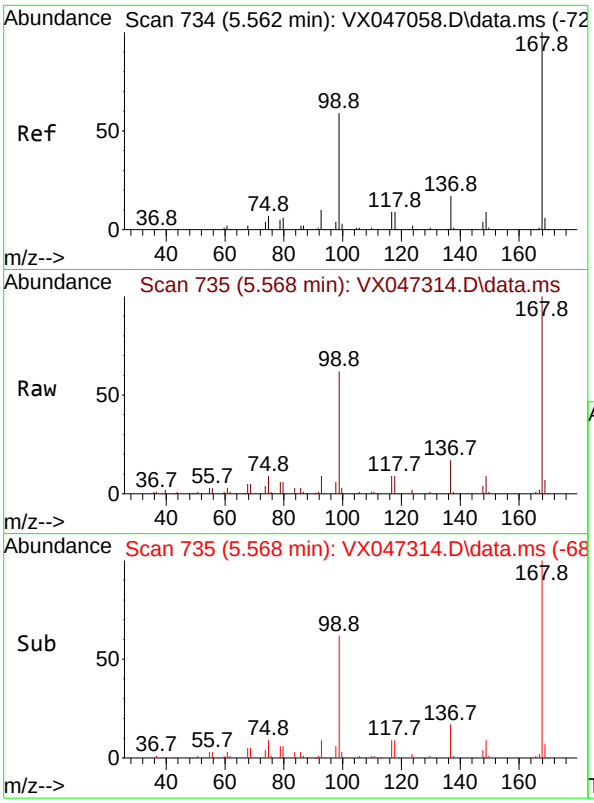
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047314.D
Acq On : 13 Aug 2025 12:13
Operator : JC/MD
Sample : Q2814-12RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-SRE

Quant Time: Aug 14 03:26:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



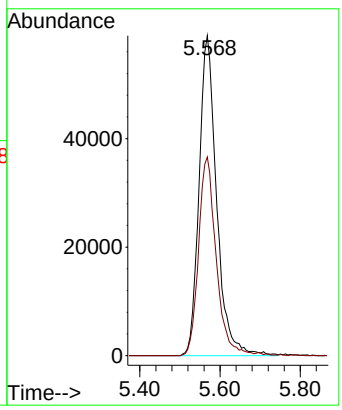


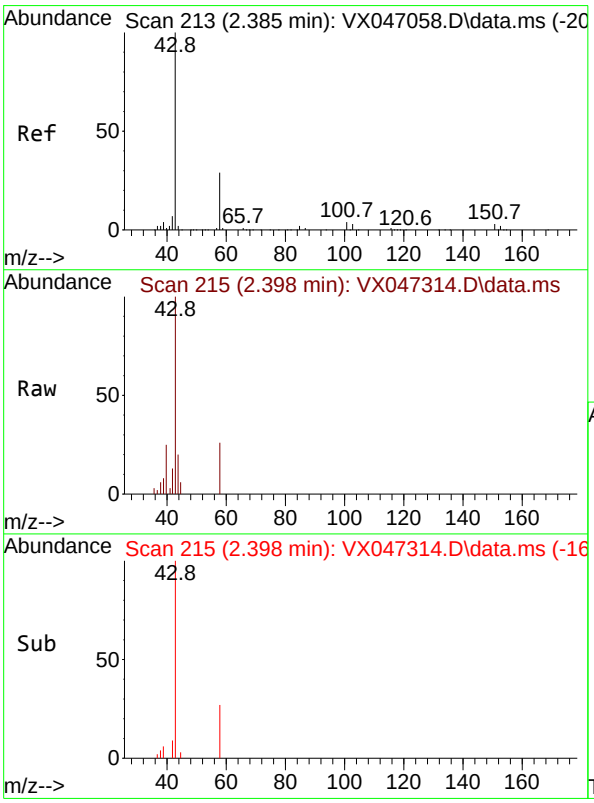
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047314.D
Acq: 13 Aug 2025 12:13

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-SRE

Tgt Ion:168 Resp: 179477

Ion	Ratio	Lower	Upper
168	100		
99	62.1	48.0	72.0

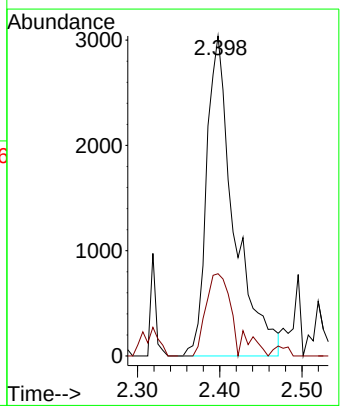


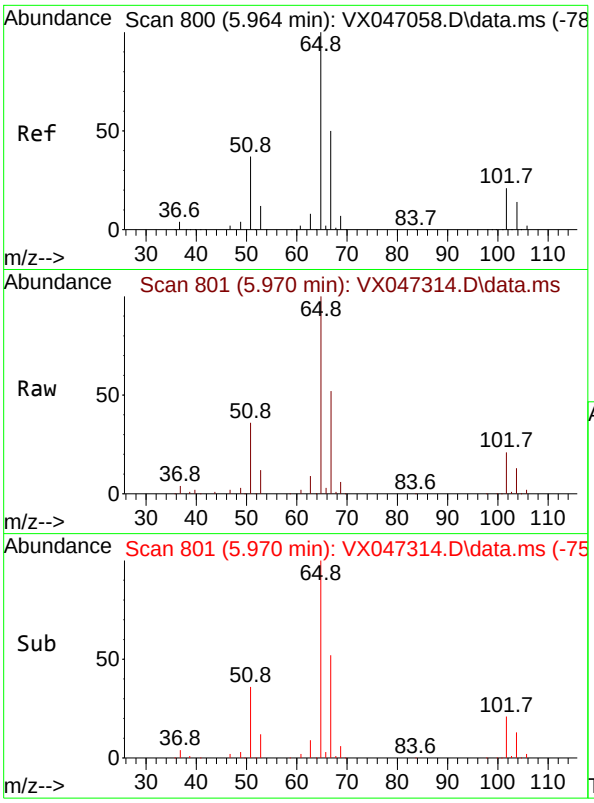


#16
Acetone
Concen: 7.849 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047314.D
Acq: 13 Aug 2025 12:13

Tgt Ion: 43 Resp: 7030

Ion	Ratio	Lower	Upper
43	100		
58	21.4	24.0	36.0#



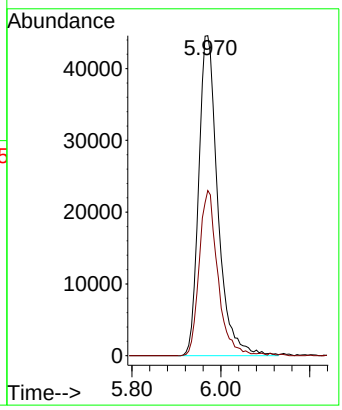


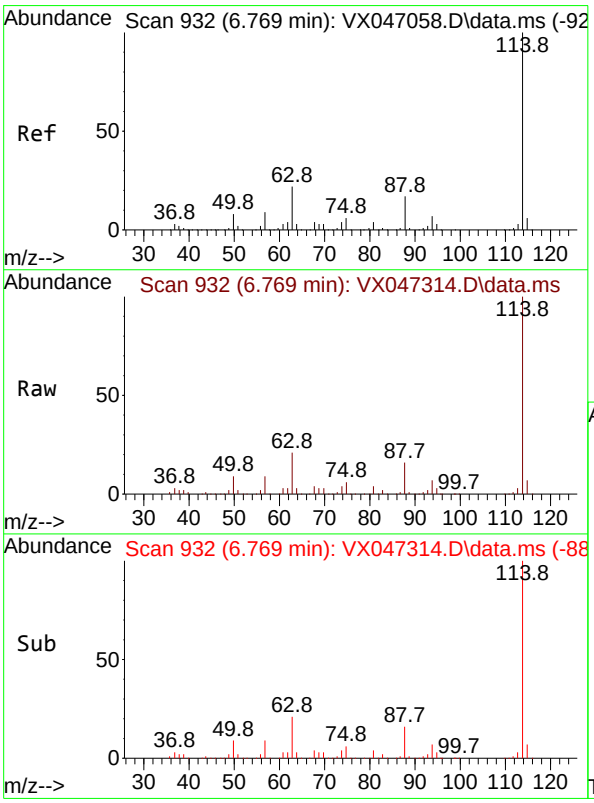
#33
1,2-Dichloroethane-d4
Concen: 59.607 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047314.D
Acq: 13 Aug 2025 12:13

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-SRE

Tgt Ion: 65 Resp: 133264

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	104.8

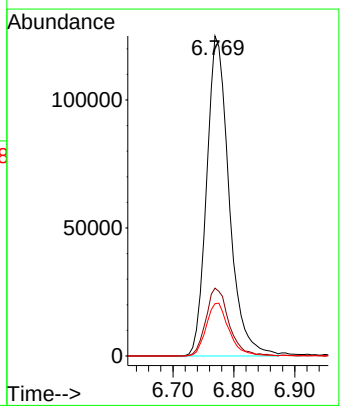


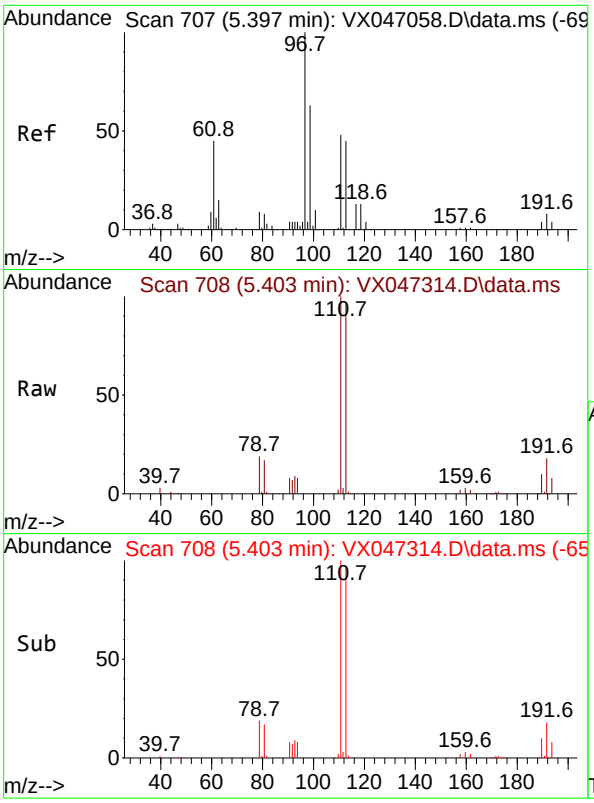


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047314.D
Acq: 13 Aug 2025 12:13

Tgt Ion:114 Resp: 320322

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.2
88	16.3	0.0	33.8



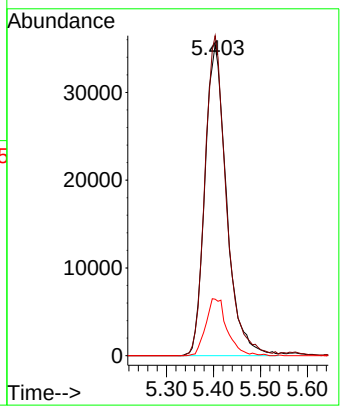


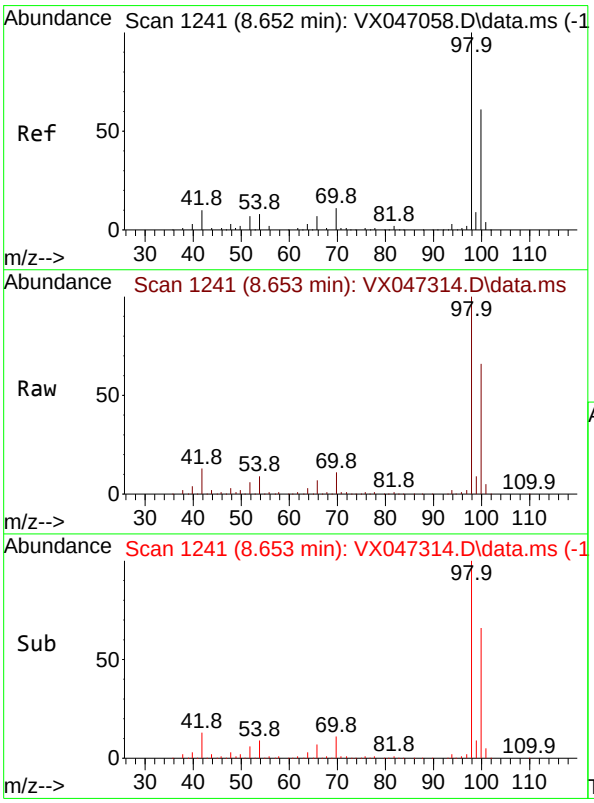
#35
Dibromofluoromethane
Concen: 57.446 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047314.D
Acq: 13 Aug 2025 12:13

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-SRE

Tgt Ion:113 Resp: 113615

Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.6	124.0
192	18.1	14.9	22.3

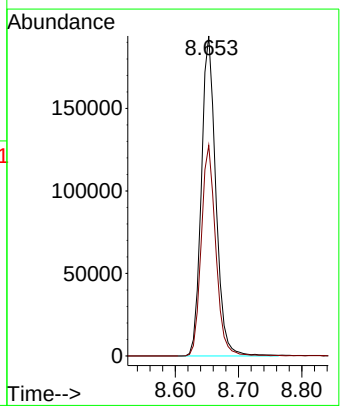


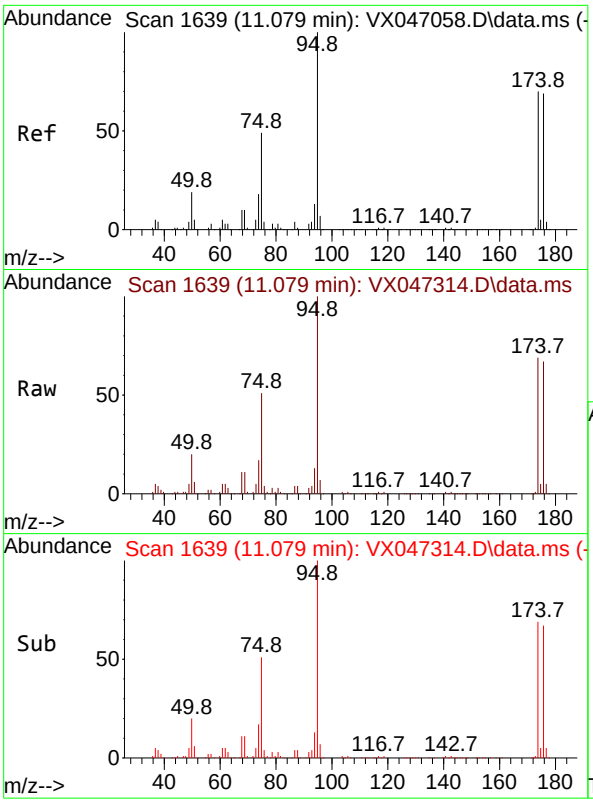


#50
Toluene-d8
Concen: 48.297 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047314.D
Acq: 13 Aug 2025 12:13

Tgt Ion: 98 Resp: 309343

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.3	79.9



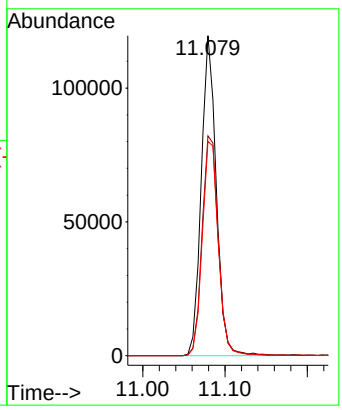


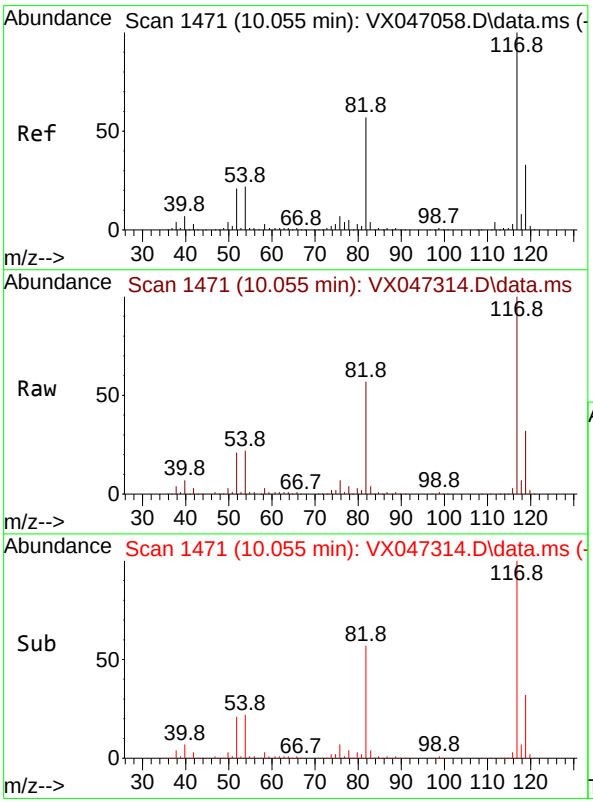
#62
4-Bromofluorobenzene
Concen: 55.142 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047314.D
Acq: 13 Aug 2025 12:13

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-SRE

Tgt Ion: 95 Resp: 152202

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	144.6
176	71.4	0.0	139.6

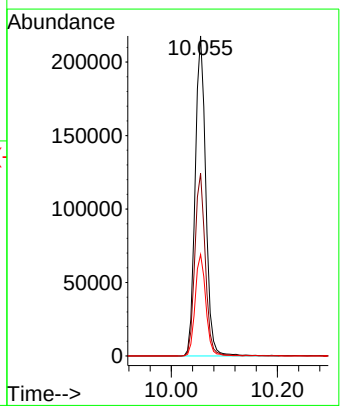


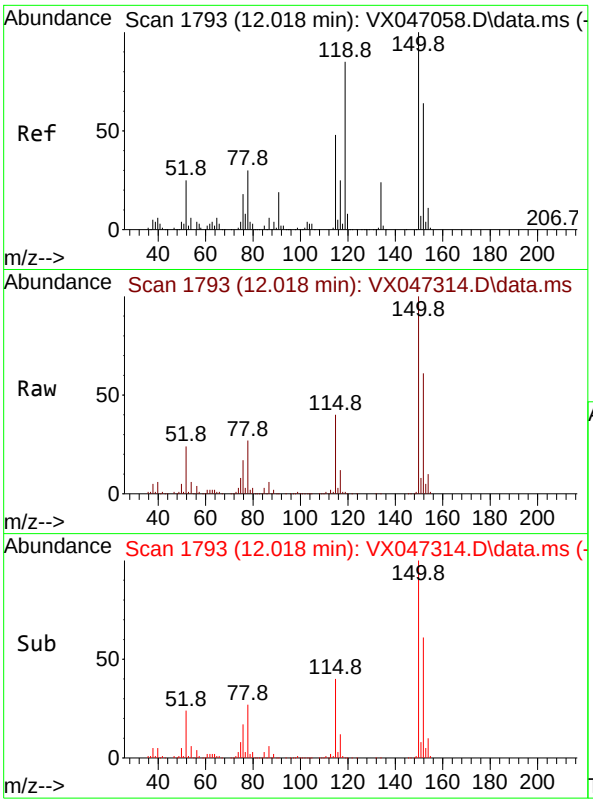


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047314.D
Acq: 13 Aug 2025 12:13

Tgt Ion:117 Resp: 302132

Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.4	68.2
119	31.7	26.1	39.1



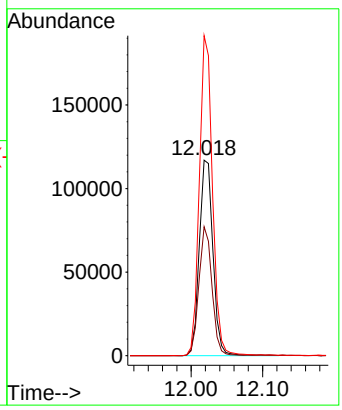


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047314.D
Acq: 13 Aug 2025 12:13

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-SRE

Tgt Ion:152 Resp: 155373

Ion	Ratio	Lower	Upper
152	100		
115	63.1	45.6	136.7
150	157.6	0.0	354.6



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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-13	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
VX047303.D	1	08/12/25 17:28	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	9.90		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-13	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
VX047303.D	1	08/12/25 17:28	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	52.5		81 - 118		105%	SPK: 50
1868-53-7	Dibromofluoromethane	54.3		80 - 119		109%	SPK: 50
2037-26-5	Toluene-d8	46.2		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	227000	5.568				
540-36-3	1,4-Difluorobenzene	393000	6.775				
3114-55-4	Chlorobenzene-d5	357000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	180000	12.024				

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-13	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
VX047303.D	1	08/12/25 17:28	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047303.D
Acq On : 12 Aug 2025 17:28
Operator : JC/MD
Sample : Q2814-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-N

Quant Time: Aug 13 01:24:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

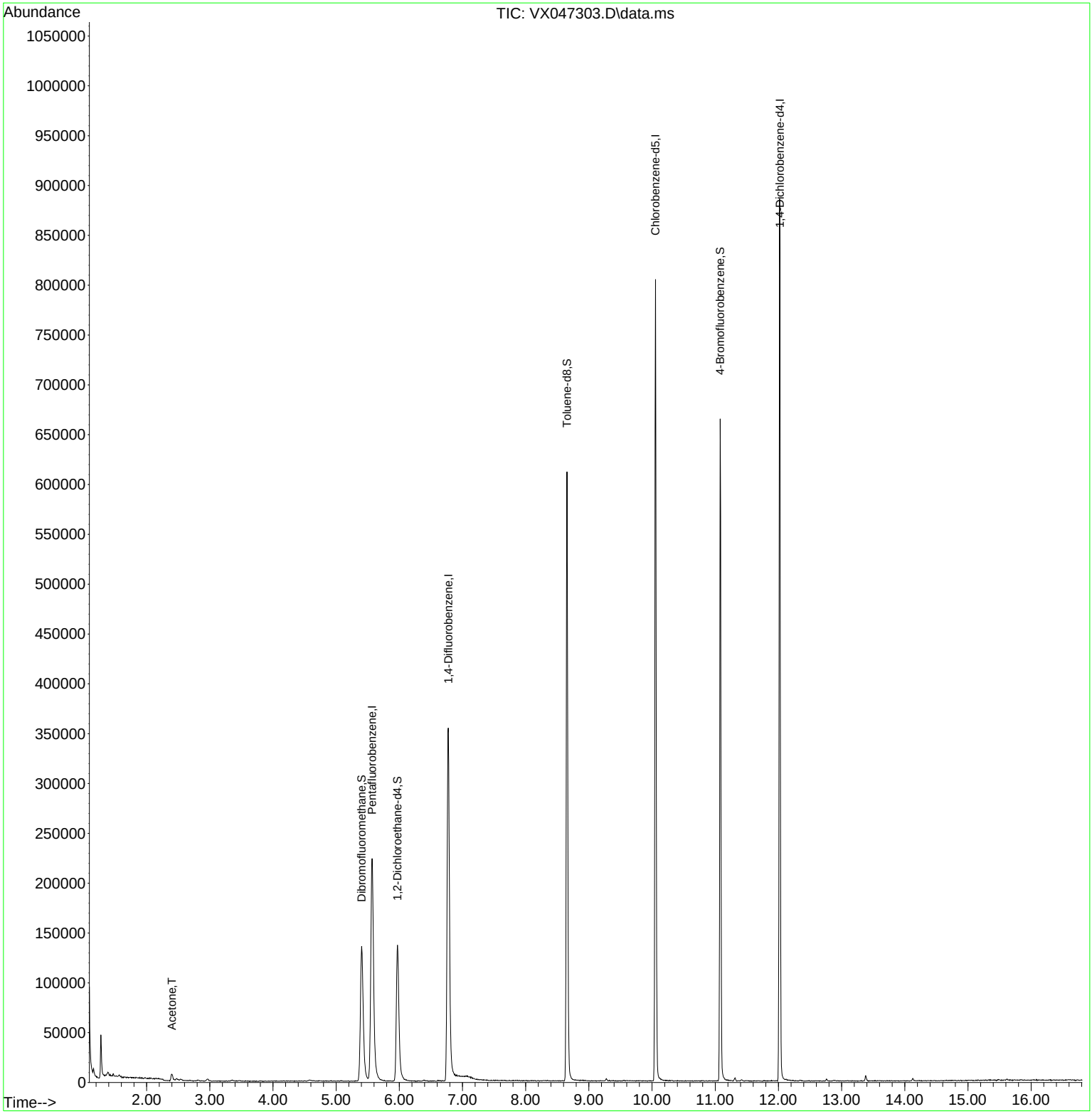
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	226893	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	392505	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	356804	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	179716	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	148316	52.476	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 104.960%			
35) Dibromofluoromethane	5.403	113	131559	54.286	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.580%			
50) Toluene-d8	8.653	98	362915	46.241	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.480%			
62) 4-Bromofluorobenzene	11.079	95	176382	52.150	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.300%			
Target Compounds						Qvalue
16) Acetone	2.398	43	11208	9.899	ug/l	95

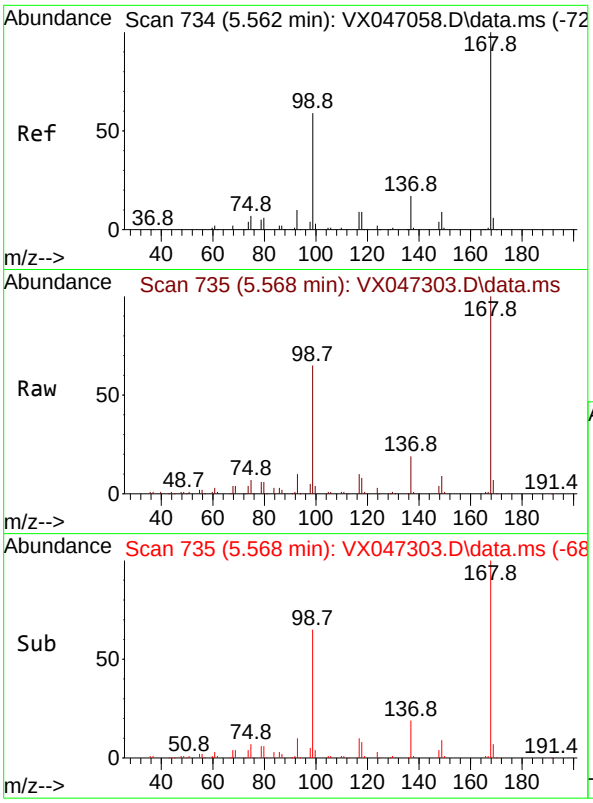
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047303.D
Acq On : 12 Aug 2025 17:28
Operator : JC/MD
Sample : Q2814-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-N

Quant Time: Aug 13 01:24:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



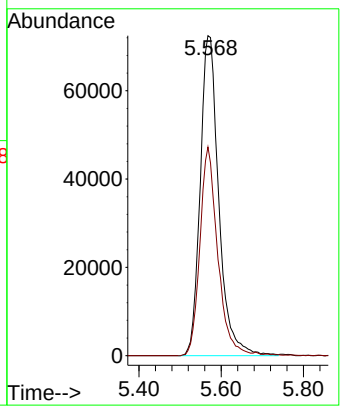


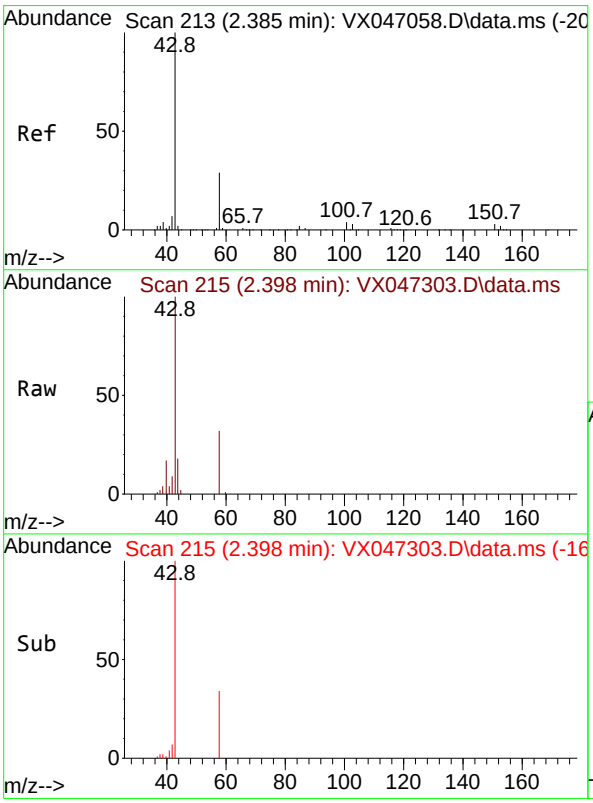
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047303.D
Acq: 12 Aug 2025 17:28

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-N

Tgt Ion:168 Resp: 226893

Ion	Ratio	Lower	Upper
168	100		
99	65.2	48.0	72.0

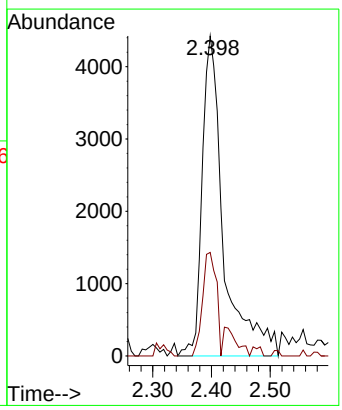


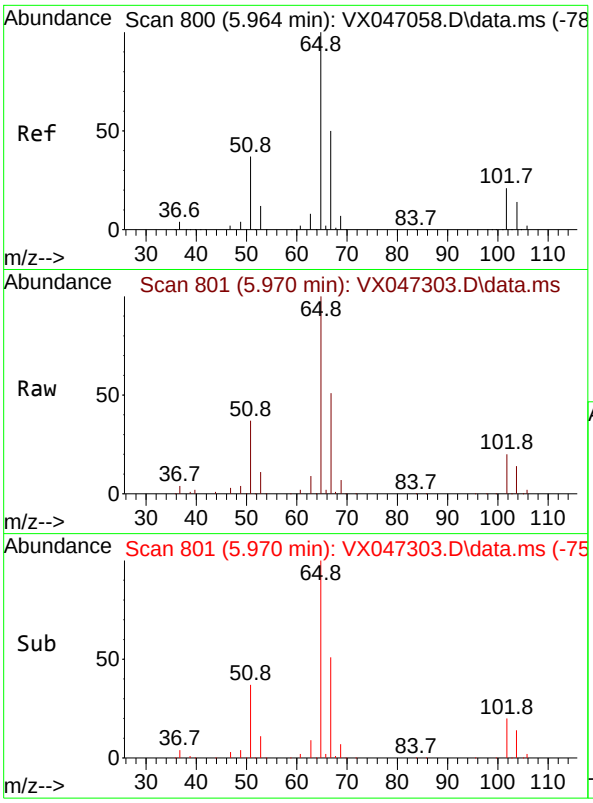


#16
Acetone
Concen: 9.899 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX047303.D
Acq: 12 Aug 2025 17:28

Tgt Ion: 43 Resp: 11208

Ion	Ratio	Lower	Upper
43	100		
58	27.4	24.0	36.0



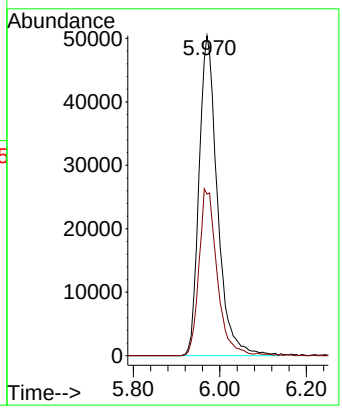


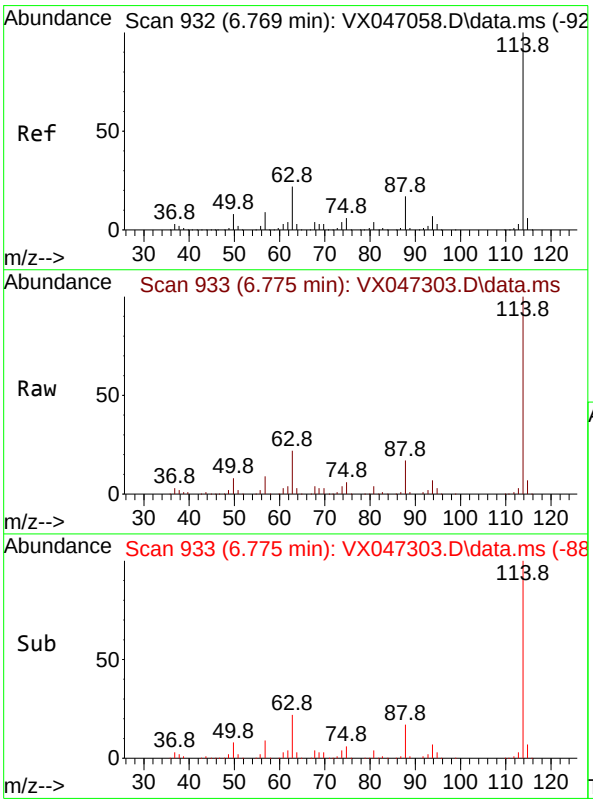
#33
1,2-Dichloroethane-d4
Concen: 52.476 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047303.D
Acq: 12 Aug 2025 17:28

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-N

Tgt Ion: 65 Resp: 148316

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.8

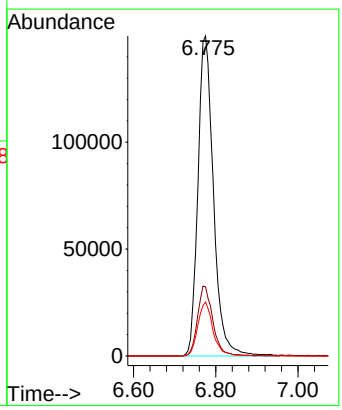


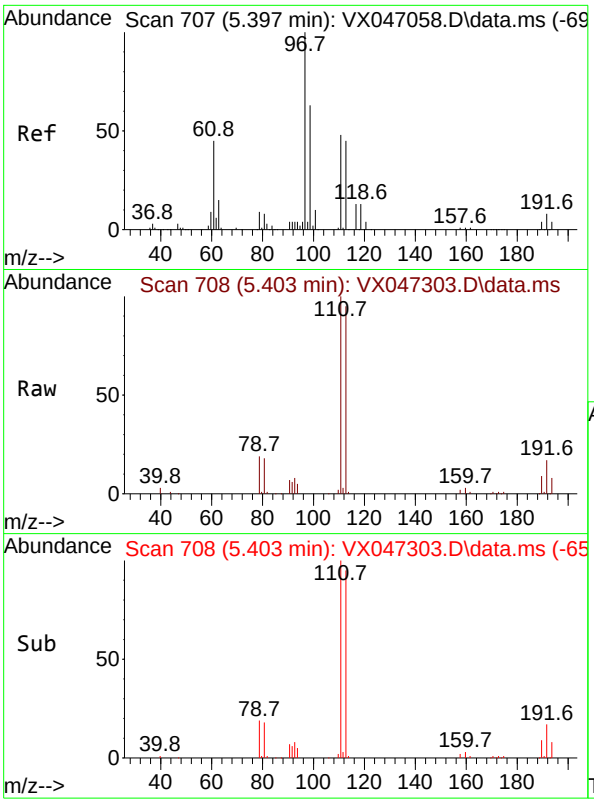


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047303.D
Acq: 12 Aug 2025 17:28

Tgt Ion:114 Resp: 392505

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	16.8	0.0	33.8



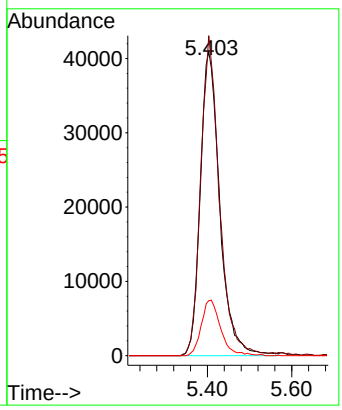


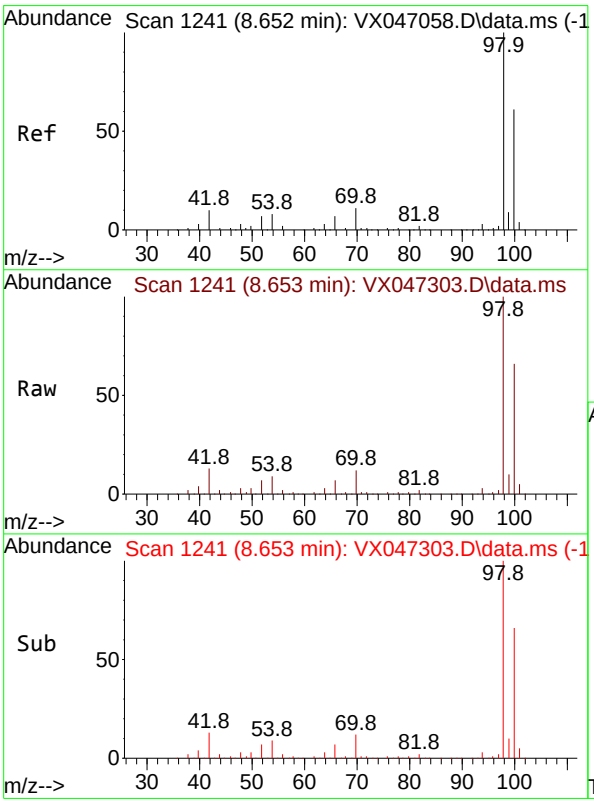
#35
Dibromofluoromethane
Concen: 54.286 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047303.D
Acq: 12 Aug 2025 17:28

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-N

Tgt Ion:113 Resp: 131559

Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	124.0
192	18.1	14.9	22.3

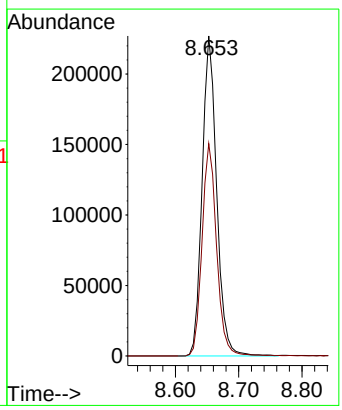


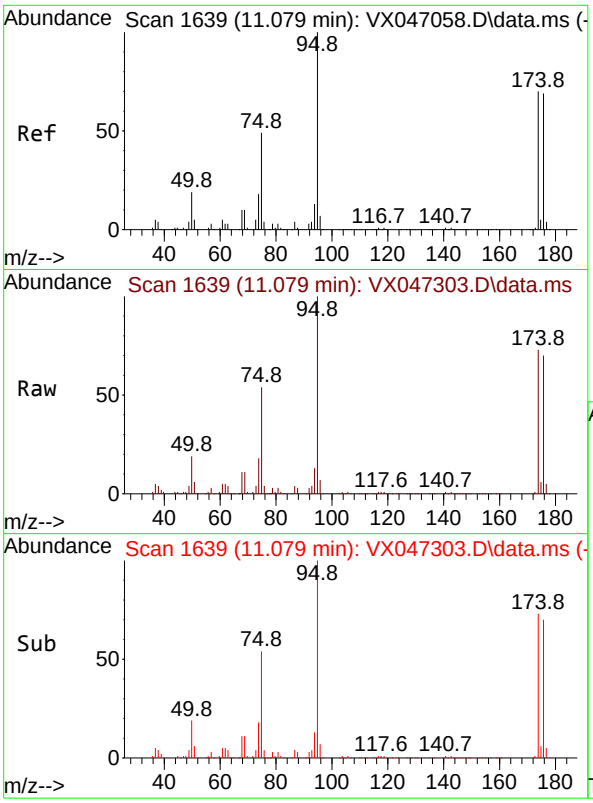


#50
Toluene-d8
Concen: 46.241 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047303.D
Acq: 12 Aug 2025 17:28

Tgt Ion: 98 Resp: 362915

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.3	79.9



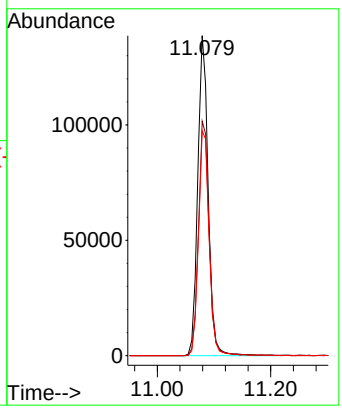


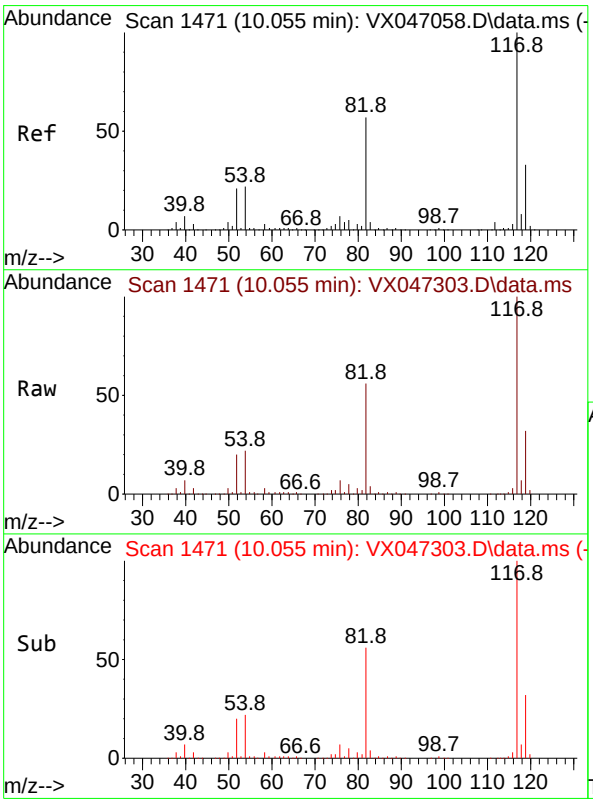
#62
4-Bromofluorobenzene
Concen: 52.150 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047303.D
Acq: 12 Aug 2025 17:28

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-N

Tgt Ion: 95 Resp: 176382

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	144.6
176	71.8	0.0	139.6

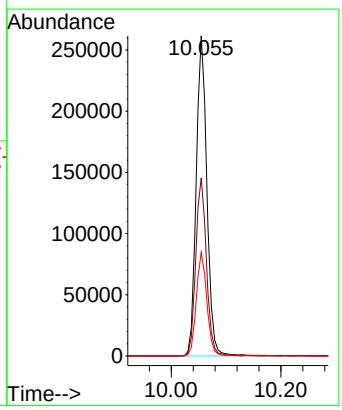


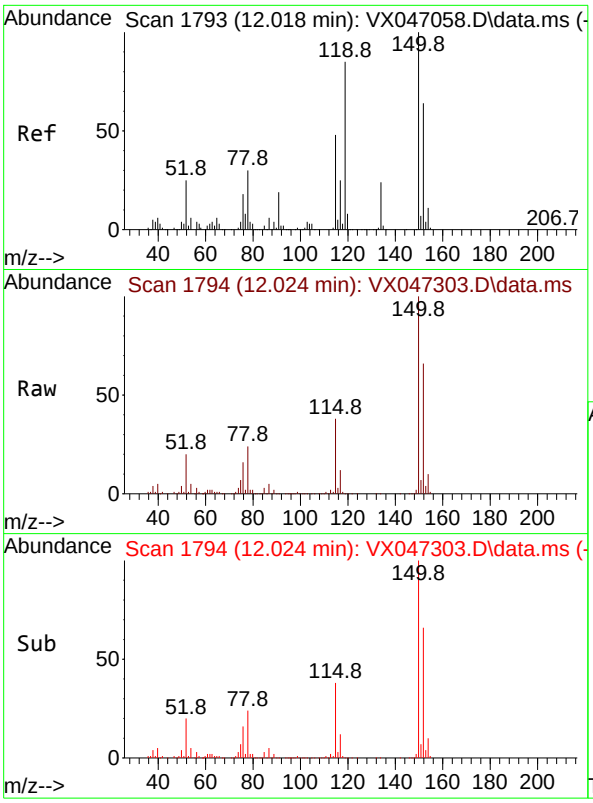


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047303.D
Acq: 12 Aug 2025 17:28

Tgt Ion:117 Resp: 356804

Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.4	68.2
119	32.4	26.1	39.1



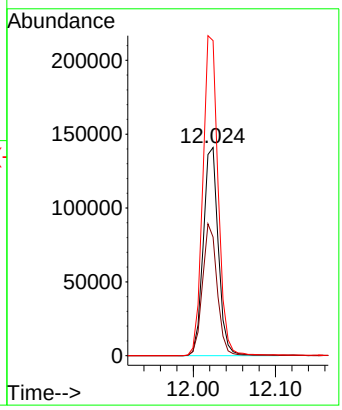


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047303.D
Acq: 12 Aug 2025 17:28

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-N

Tgt Ion:152 Resp: 179716

Ion	Ratio	Lower	Upper
152	100		
115	61.9	45.6	136.7
150	156.1	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047303.D
Acq On : 12 Aug 2025 17:28
Operator : JC/MD
Sample : Q2814-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-N

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047303.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.276	27	31	41	rBV	43308	58460	5.21%	0.889%
2	2.398	210	215	220	rBV	6876	14707	1.31%	0.224%
3	5.403	697	708	724	rBV3	135125	426056	38.00%	6.479%
4	5.568	725	735	756	rVB	222231	692227	61.75%	10.527%
5	5.970	790	801	819	rBV2	136612	400629	35.74%	6.092%
6	6.775	924	933	949	rBV	354124	932741	83.20%	14.184%
7	8.653	1233	1241	1261	rBV	611295	987516	88.09%	15.017%
8	10.055	1465	1471	1482	rBV	804071	1098924	98.02%	16.712%
9	11.079	1634	1639	1651	rBV	664324	843485	75.24%	12.827%
10	12.018	1788	1793	1807	rBV	885255	1121076	100.00%	17.048%

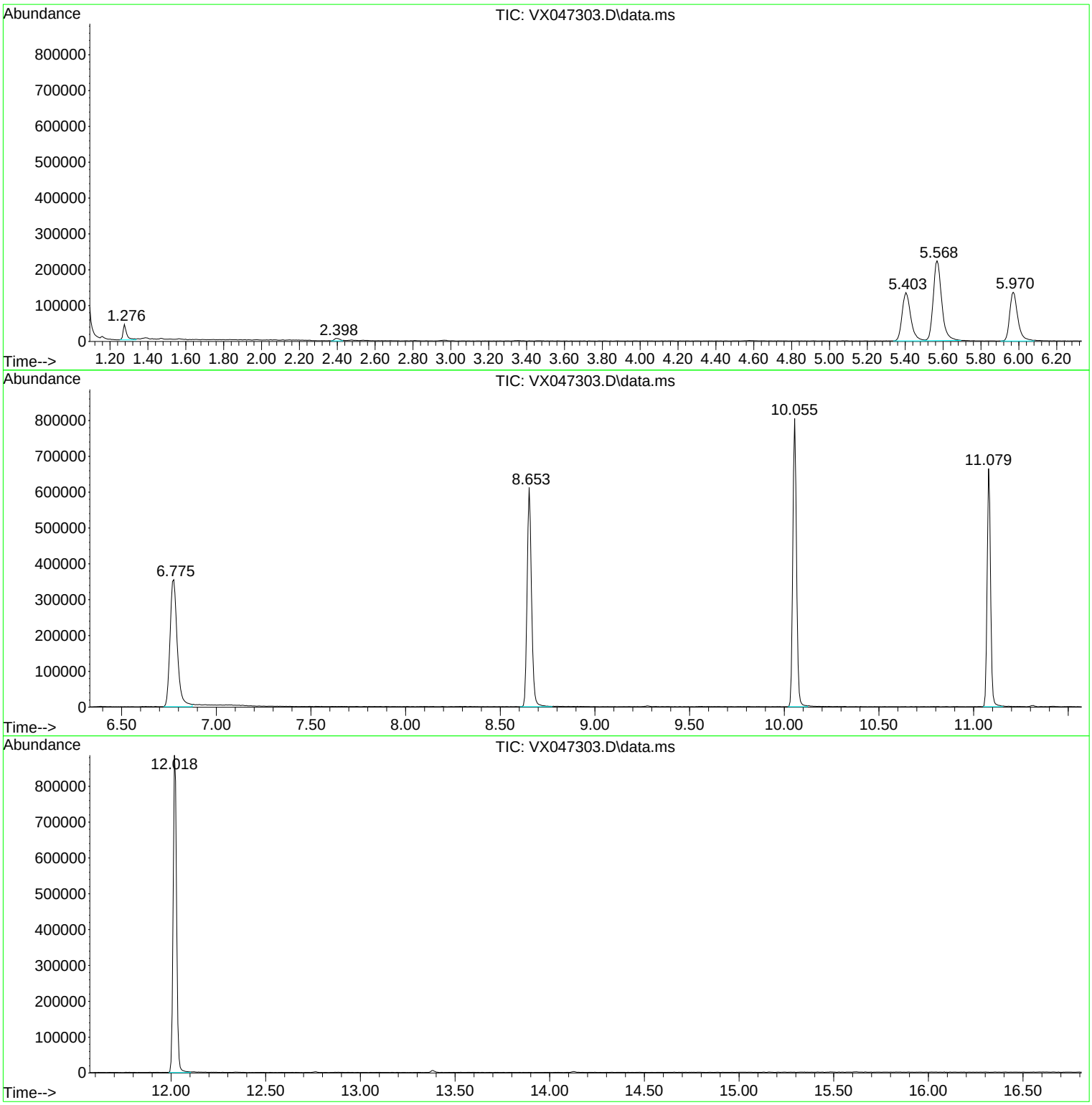
Sum of corrected areas: 6575821

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047303.D
Acq On : 12 Aug 2025 17:28
Operator : JC/MD
Sample : Q2814-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047303.D
Acq On : 12 Aug 2025 17:28
Operator : JC/MD
Sample : Q2814-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047303.D
Acq On : 12 Aug 2025 17:28
Operator : JC/MD
Sample : Q2814-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-14	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
VX047304.D	1	08/12/25 17:49	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	6.60		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-14	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
VX047304.D	1	08/12/25 17:49	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.3		81 - 118		101%	SPK: 50
1868-53-7	Dibromofluoromethane	52.9		80 - 119		106%	SPK: 50
2037-26-5	Toluene-d8	46.0		89 - 112		92%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	231000	5.568				
540-36-3	1,4-Difluorobenzene	392000	6.775				
3114-55-4	Chlorobenzene-d5	358000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	182000	12.018				

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-14	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
VX047304.D	1	08/12/25 17:49	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047304.D
Acq On : 12 Aug 2025 17:49
Operator : JC/MD
Sample : Q2814-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-E

Quant Time: Aug 13 01:25:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

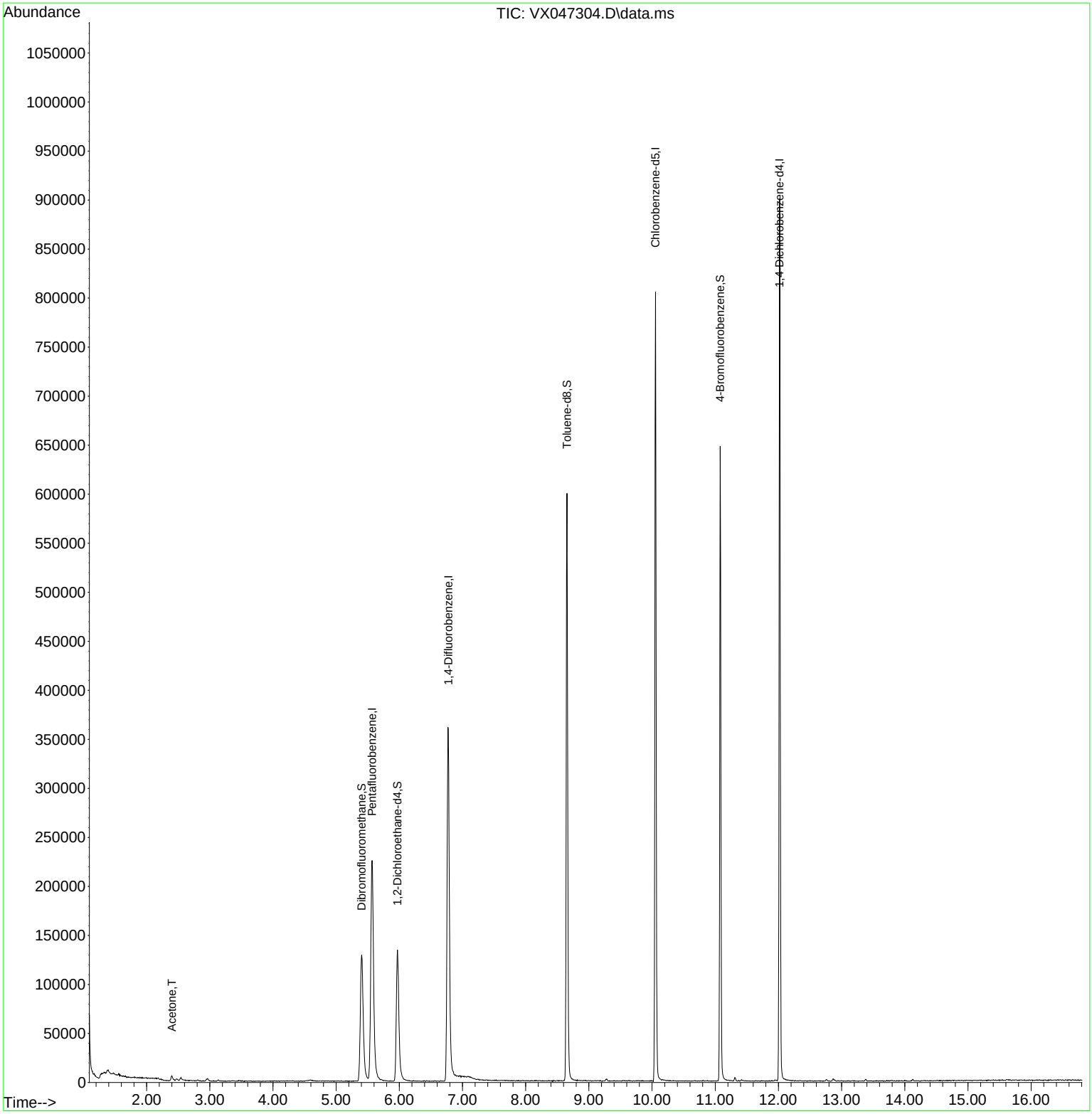
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	230820	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	391799	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	358156	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	181876	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	144599	50.290	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 100.580%			
35) Dibromofluoromethane	5.403	113	127898	52.870	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 105.740%			
50) Toluene-d8	8.653	98	360407	46.004	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.000%			
62) 4-Bromofluorobenzene	11.079	95	173005	51.244	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.480%			
Target Compounds						Qvalue
16) Acetone	2.398	43	7613	6.609	ug/l	92

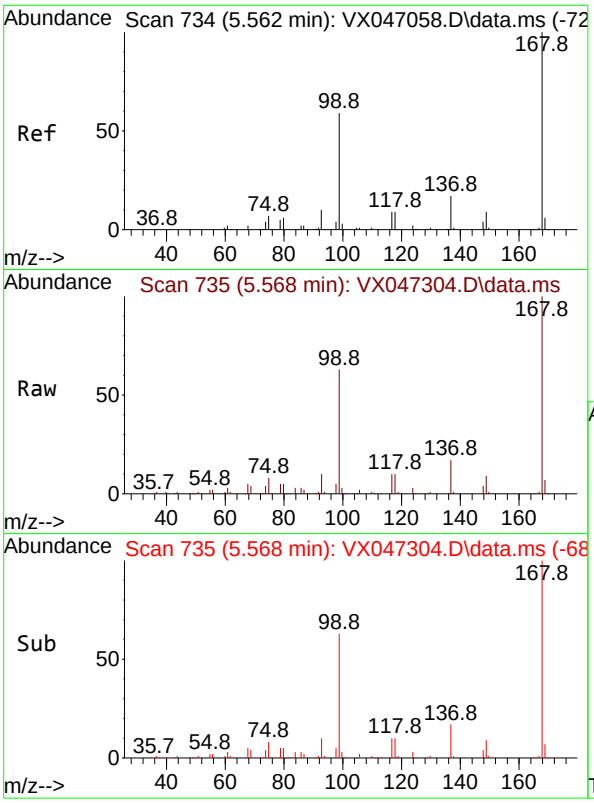
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047304.D
Acq On : 12 Aug 2025 17:49
Operator : JC/MD
Sample : Q2814-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-E

Quant Time: Aug 13 01:25:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



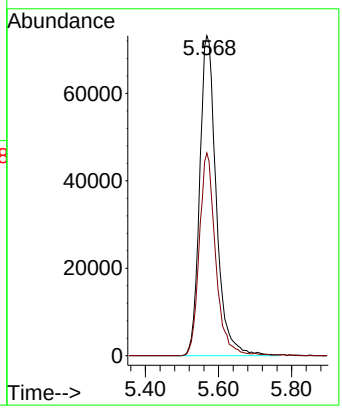


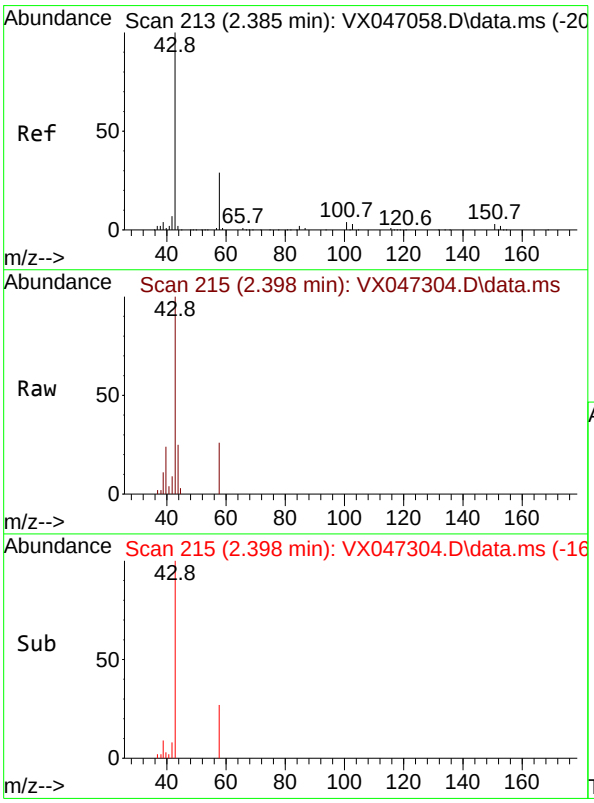
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047304.D
Acq: 12 Aug 2025 17:49

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-E

Tgt Ion:168 Resp: 230820

Ion	Ratio	Lower	Upper
168	100		
99	63.3	48.0	72.0

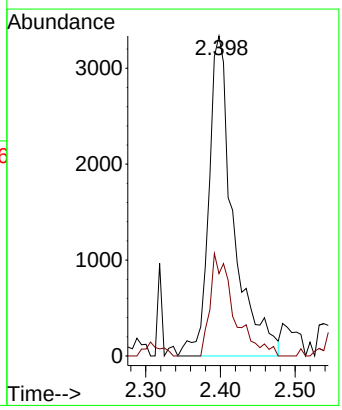


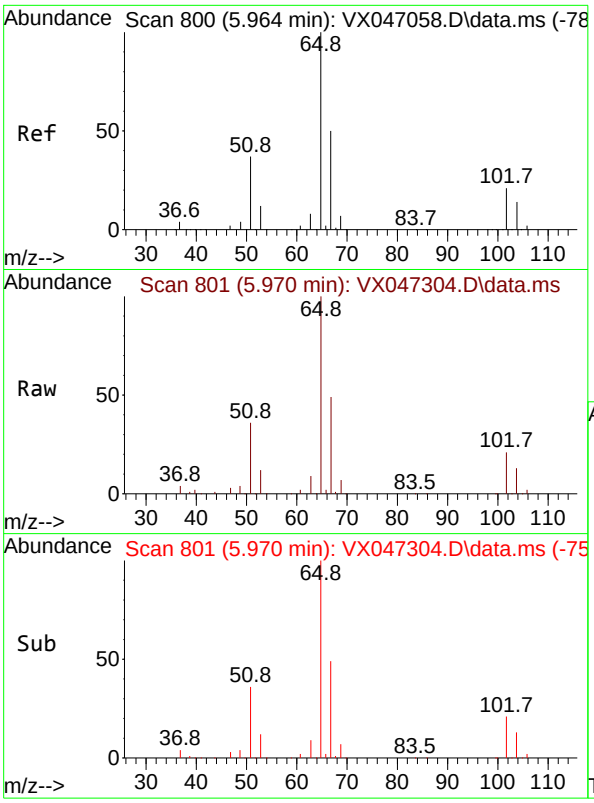


#16
Acetone
Concen: 6.609 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047304.D
Acq: 12 Aug 2025 17:49

Tgt Ion: 43 Resp: 7613

Ion	Ratio	Lower	Upper
43	100		
58	25.8	24.0	36.0



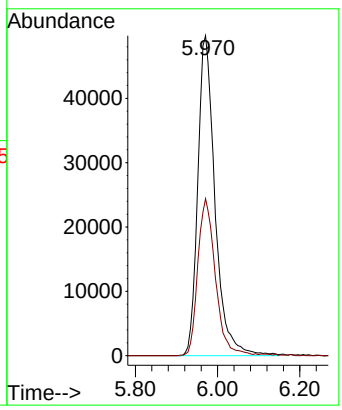


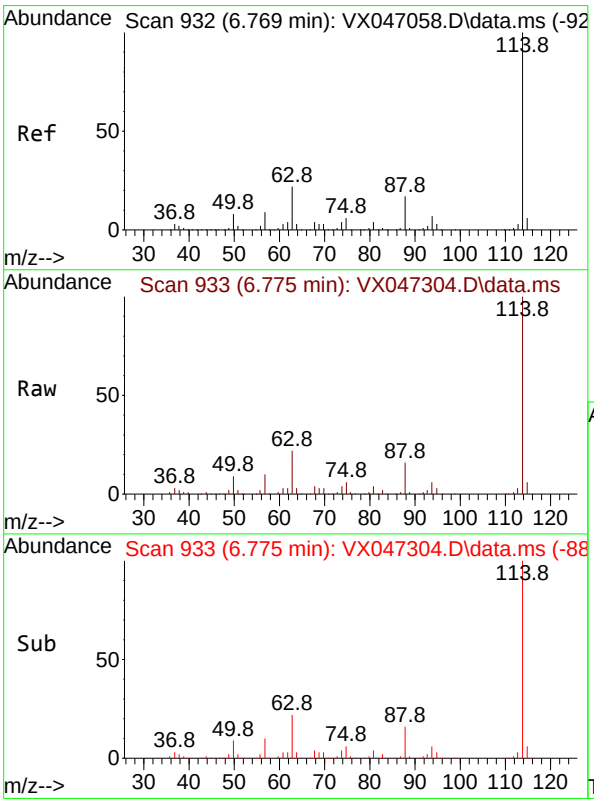
#33
1,2-Dichloroethane-d4
Concen: 50.290 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047304.D
Acq: 12 Aug 2025 17:49

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-E

Tgt Ion: 65 Resp: 144599

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	104.8

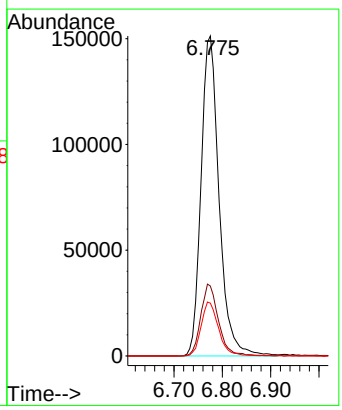


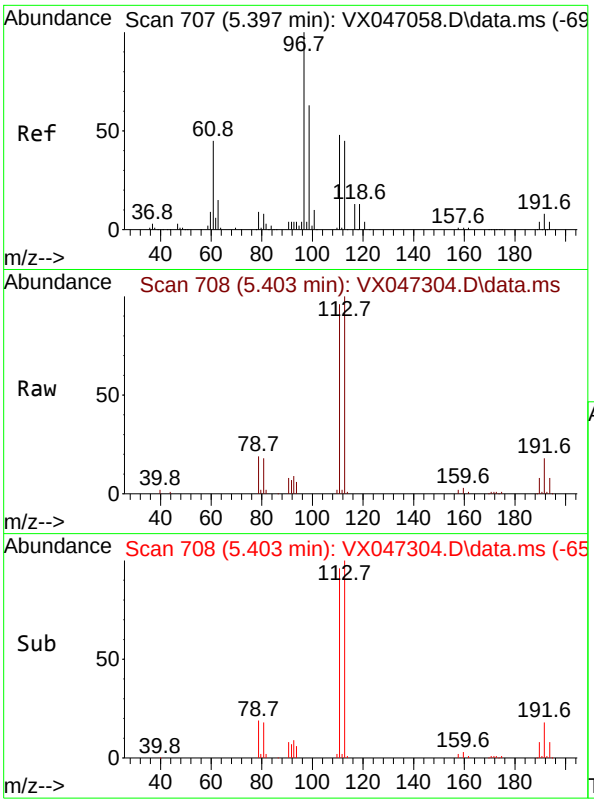


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047304.D
Acq: 12 Aug 2025 17:49

Tgt Ion:114 Resp: 391799

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.2
88	16.5	0.0	33.8



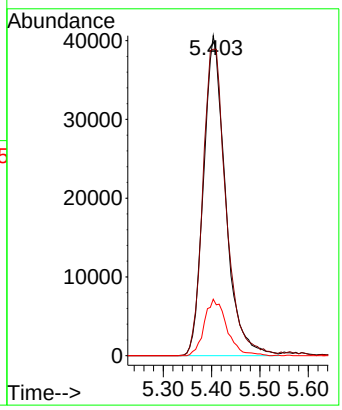


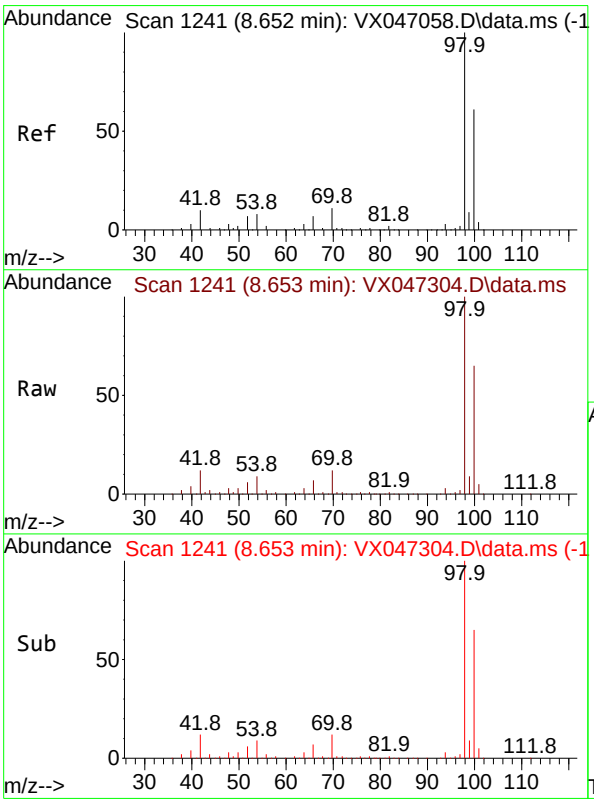
#35
Dibromofluoromethane
Concen: 52.870 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047304.D
Acq: 12 Aug 2025 17:49

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-E

Tgt Ion:113 Resp: 127898

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	124.0
192	18.1	14.9	22.3

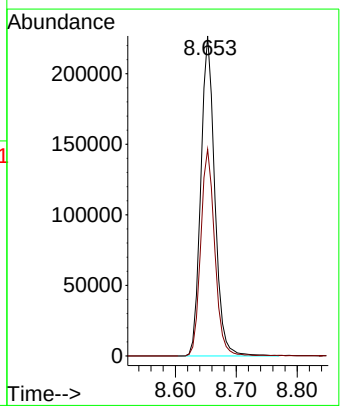


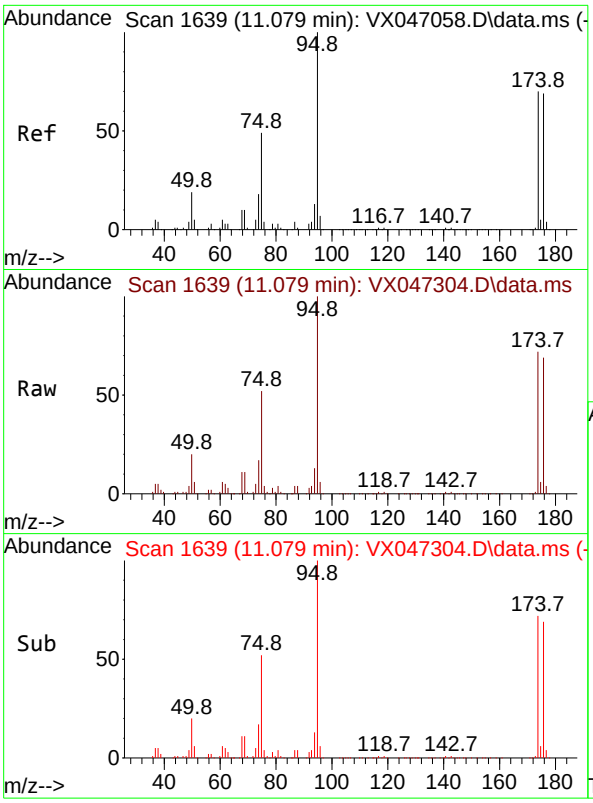


#50
Toluene-d8
Concen: 46.004 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047304.D
Acq: 12 Aug 2025 17:49

Tgt Ion: 98 Resp: 360407

Ion	Ratio	Lower	Upper
98	100		
100	64.8	53.3	79.9



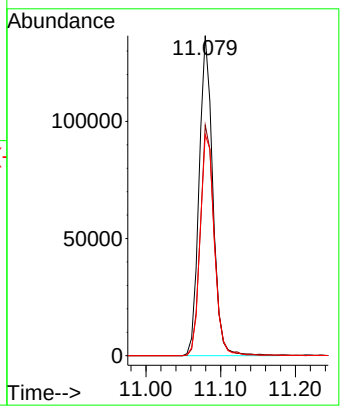


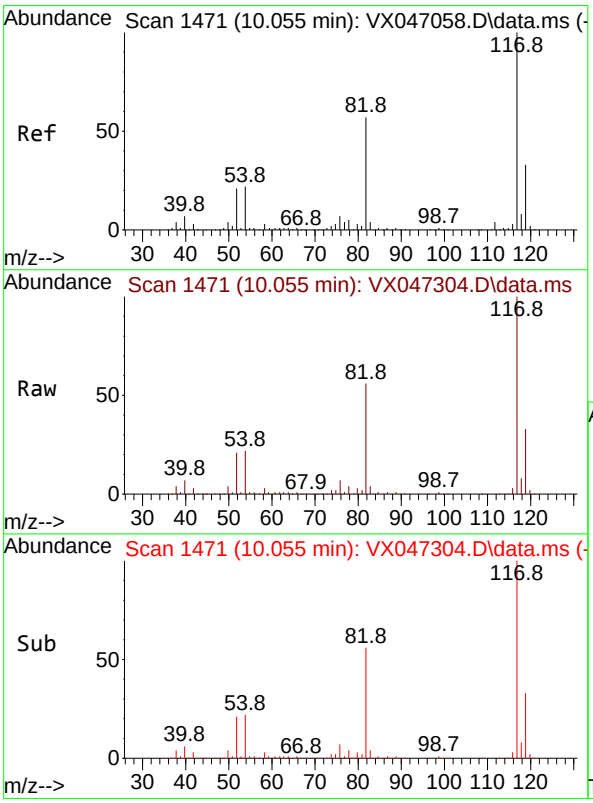
#62
4-Bromofluorobenzene
Concen: 51.244 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047304.D
Acq: 12 Aug 2025 17:49

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-E

Tgt Ion: 95 Resp: 173005

Ion	Ratio	Lower	Upper
95	100		
174	73.7	0.0	144.6
176	71.9	0.0	139.6

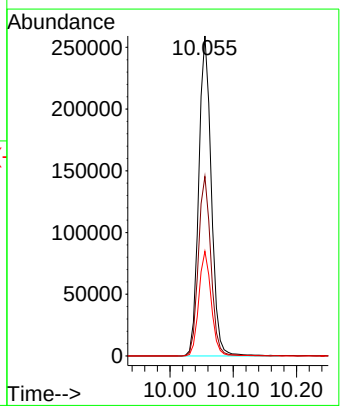


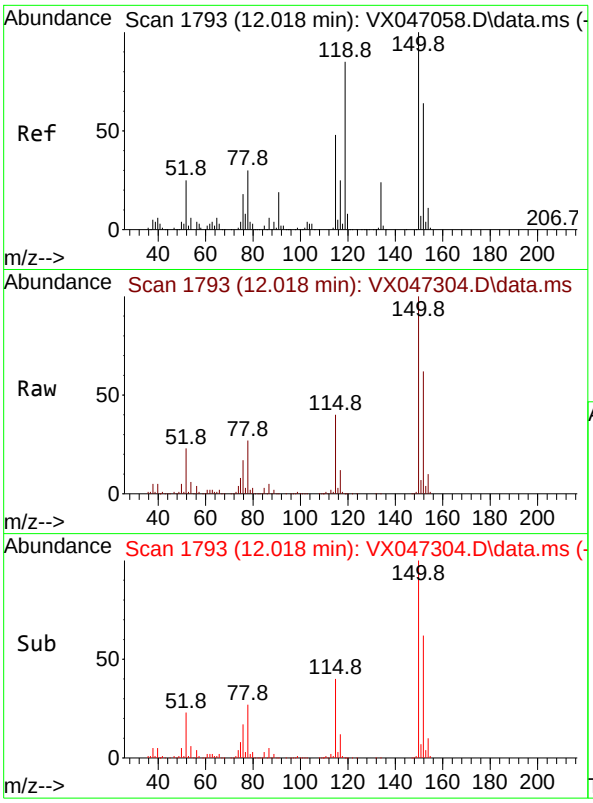


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047304.D
Acq: 12 Aug 2025 17:49

Tgt Ion:117 Resp: 358156

Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.4	68.2
119	32.7	26.1	39.1



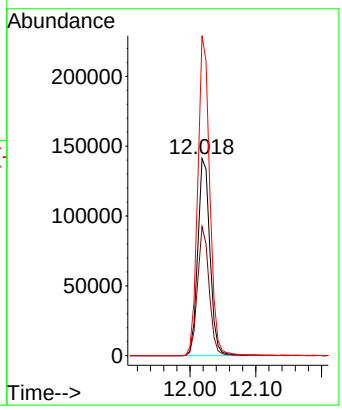


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047304.D
Acq: 12 Aug 2025 17:49

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-E

Tgt Ion:152 Resp: 181876

Ion	Ratio	Lower	Upper
152	100		
115	62.4	45.6	136.7
150	159.7	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047304.D
Acq On : 12 Aug 2025 17:49
Operator : JC/MD
Sample : Q2814-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-E

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047304.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.403	698	708	725	rBV4	128729	417099	36.80%	6.430%
2	5.568	725	735	756	rVB2	223868	700450	61.79%	10.798%
3	5.970	789	801	818	rBV	134073	387624	34.20%	5.976%
4	6.769	922	932	950	rBV	361197	943777	83.26%	14.549%
5	8.653	1234	1241	1254	rBV	598981	962656	84.93%	14.840%
6	10.055	1465	1471	1487	rBV	805172	1117103	98.55%	17.221%
7	11.079	1634	1639	1654	rBV	647179	824572	72.75%	12.712%
8	12.018	1788	1793	1804	rBV	899355	1133508	100.00%	17.474%

Sum of corrected areas: 6486789

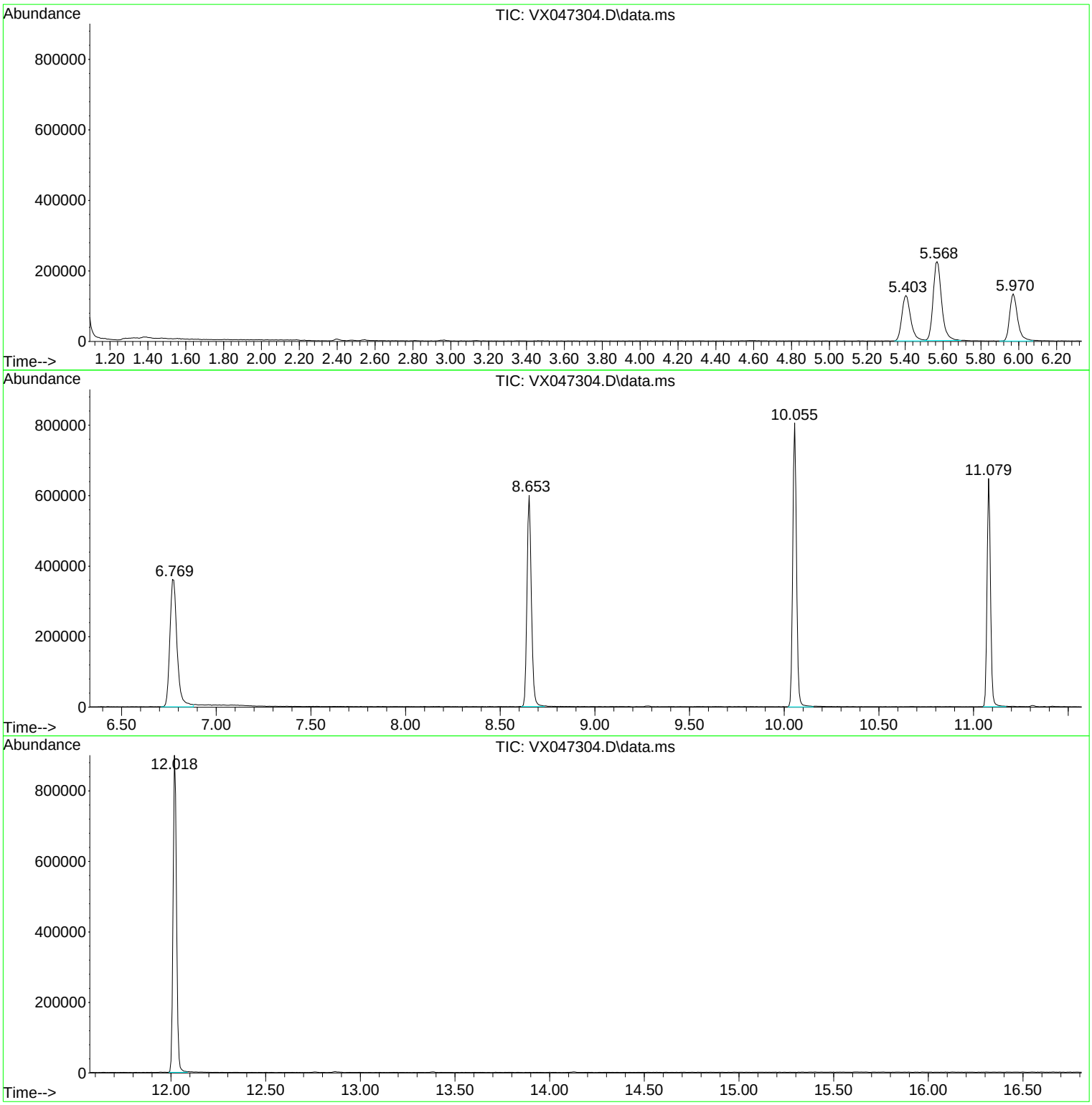
Sample Results: **VX047304.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047304.D
Acq On : 12 Aug 2025 17:49
Operator : JC/MD
Sample : Q2814-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047304.D
Acq On : 12 Aug 2025 17:49
Operator : JC/MD
Sample : Q2814-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX081225\
Data File : VX047304.D
Acq On : 12 Aug 2025 17:49
Operator : JC/MD
Sample : Q2814-14
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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
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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-15	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
VX047305.D	1	08/12/25 18:11	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	6.00		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-15	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
VX047305.D	1	08/12/25 18:11	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	50.9		81 - 118		102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		80 - 119		104%	SPK: 50
2037-26-5	Toluene-d8	45.0		89 - 112		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.0		85 - 114		102%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	226000	5.568				
540-36-3	1,4-Difluorobenzene	390000	6.775				
3114-55-4	Chlorobenzene-d5	350000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	181000	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-BP-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-15	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
VX047305.D	1	08/12/25 18:11	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047305.D
Acq On : 12 Aug 2025 18:11
Operator : JC/MD
Sample : Q2814-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

Quant Time: Aug 13 01:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

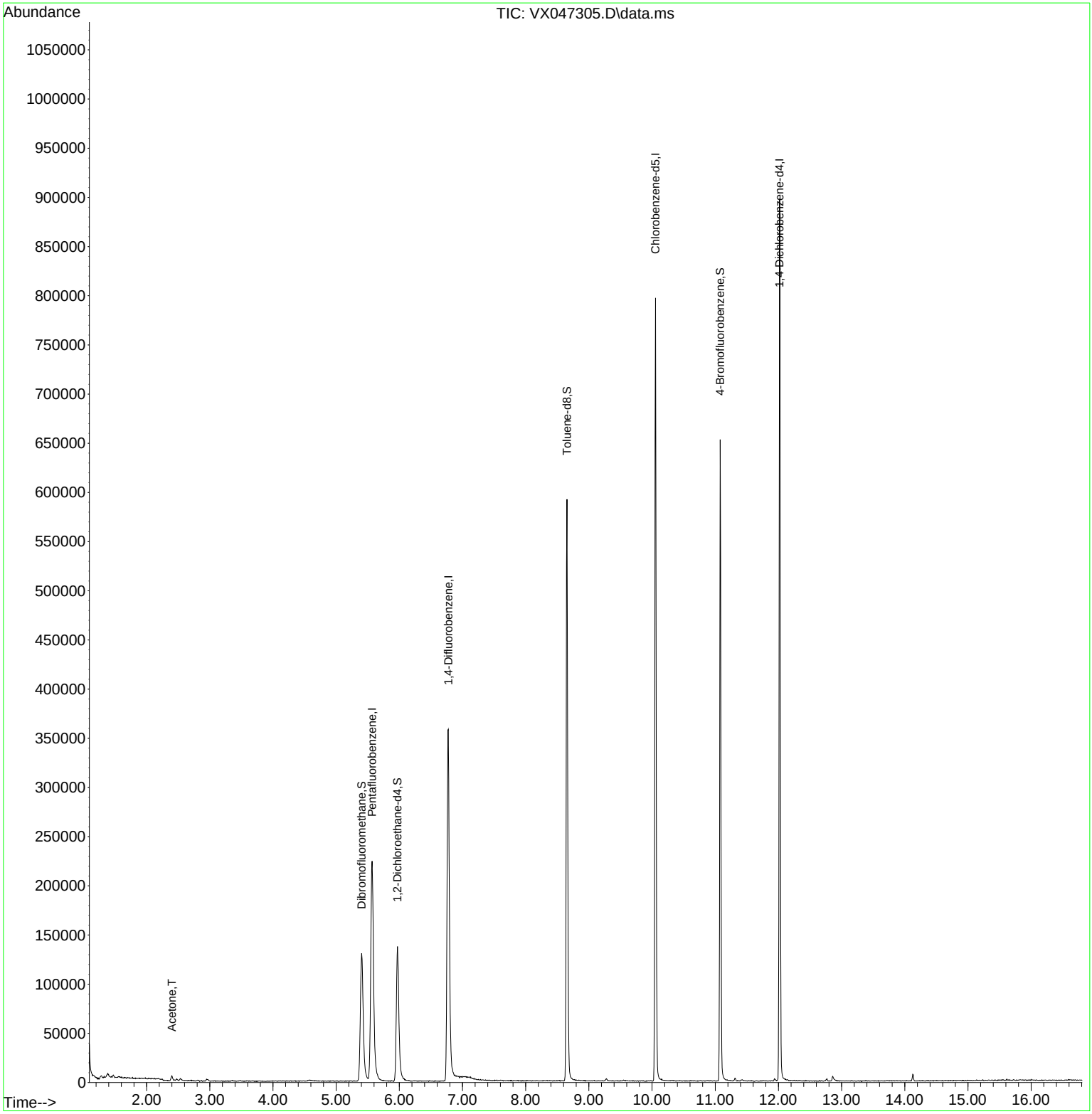
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	226107	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	389996	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	350131	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	180840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	143251	50.860	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 101.720%			
35) Dibromofluoromethane	5.403	113	125425	52.088	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	8.653	98	350845	44.991	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.980%#			
62) 4-Bromofluorobenzene	11.079	95	171221	50.950	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 101.900%			
Target Compounds						Qvalue
16) Acetone	2.398	43	6802	6.028	ug/l	93

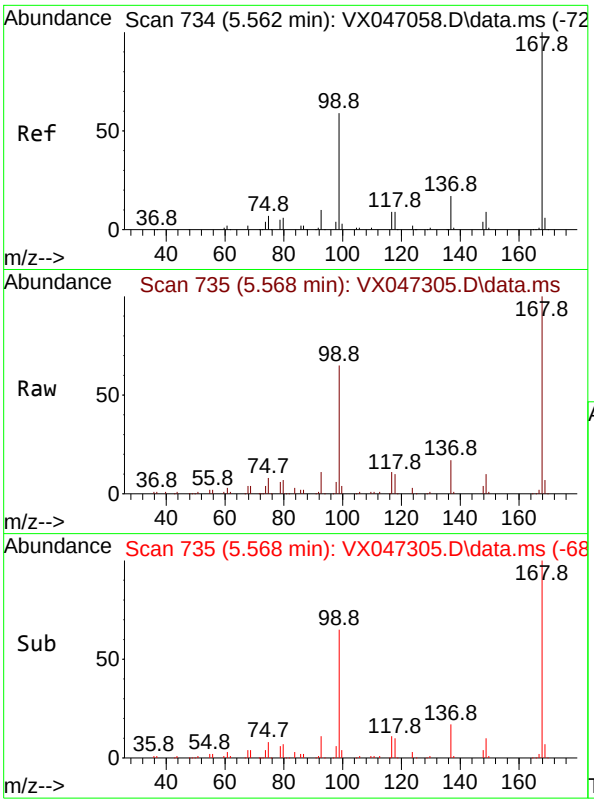
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047305.D
Acq On : 12 Aug 2025 18:11
Operator : JC/MD
Sample : Q2814-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

Quant Time: Aug 13 01:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



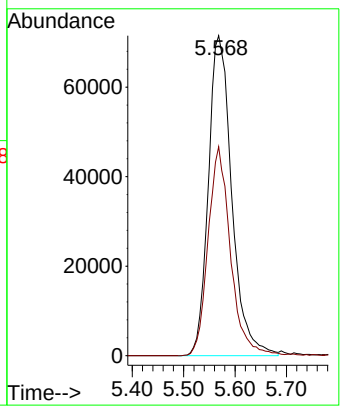


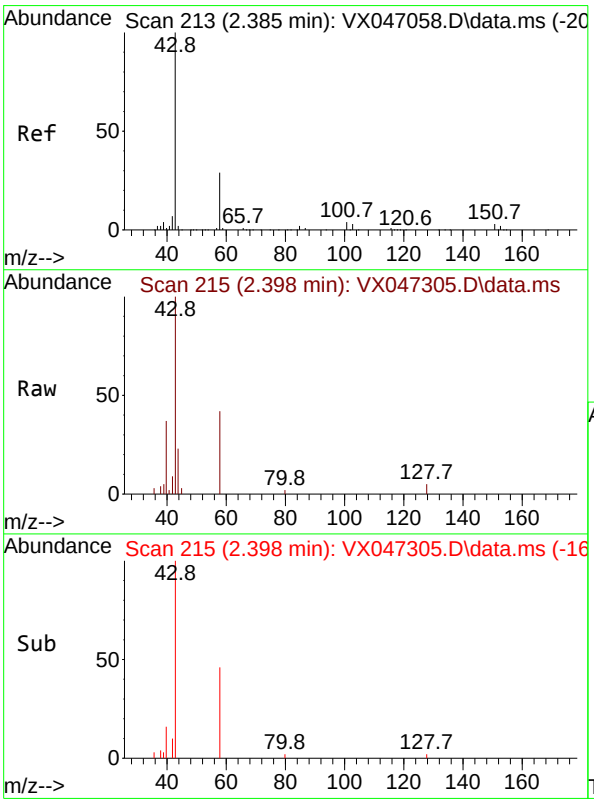
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

Tgt Ion:168 Resp: 226107

Ion	Ratio	Lower	Upper
168	100		
99	65.3	48.0	72.0

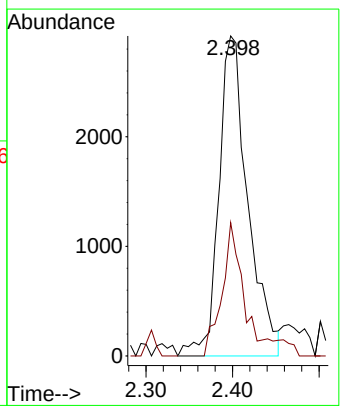


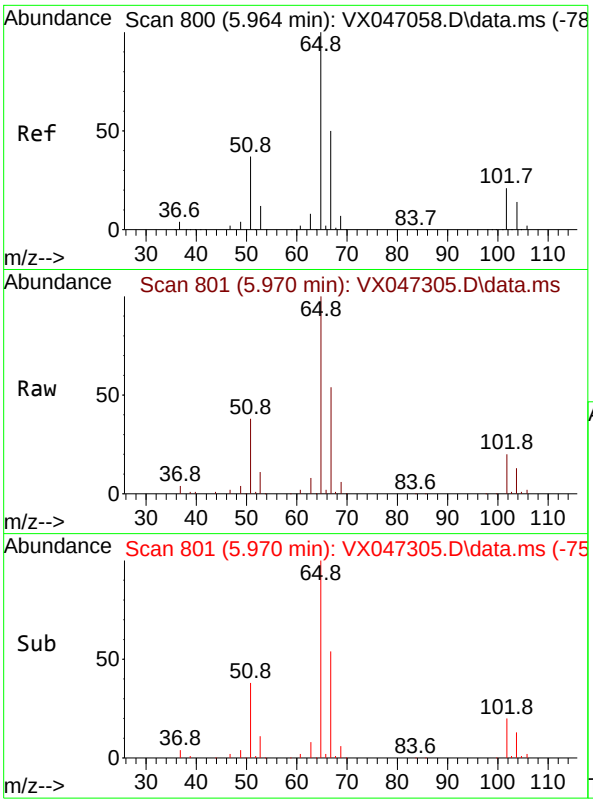


#16
Acetone
Concen: 6.028 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Tgt Ion: 43 Resp: 6802

Ion	Ratio	Lower	Upper
43	100		
58	33.9	24.0	36.0



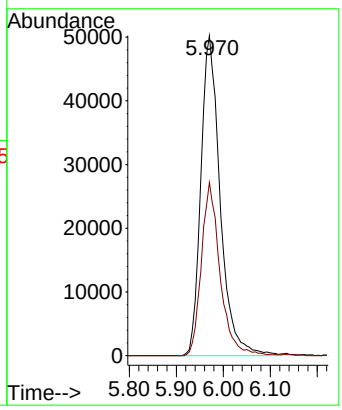


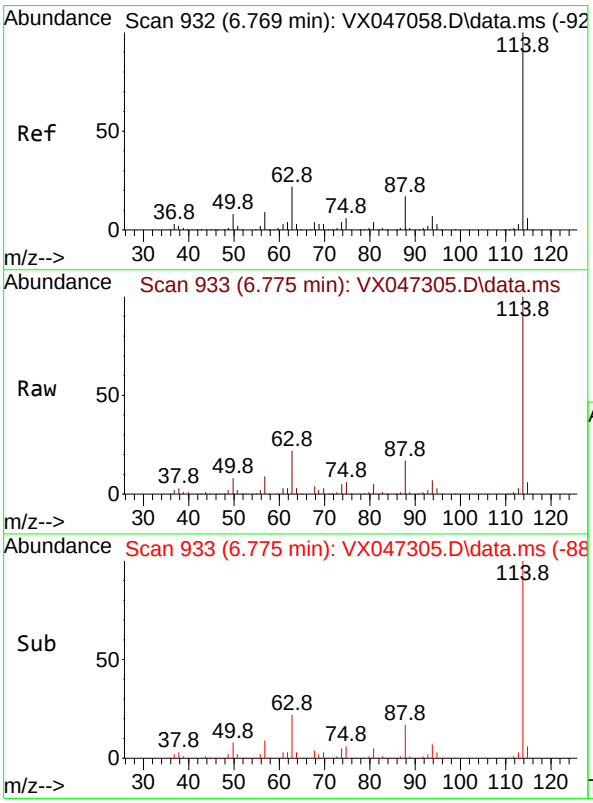
#33
1,2-Dichloroethane-d4
Concen: 50.860 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

Tgt Ion: 65 Resp: 143251

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.8

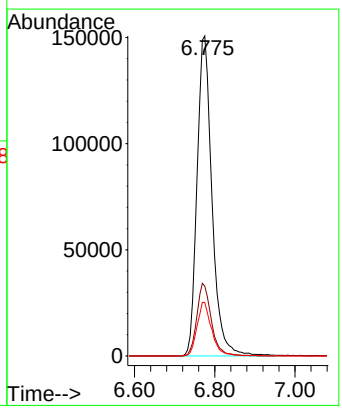


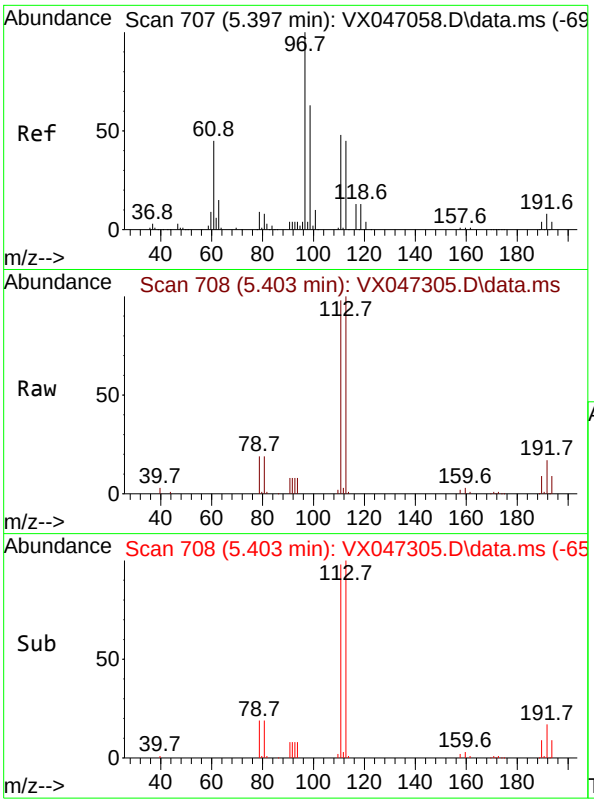


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Tgt Ion:114 Resp: 389996

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.2
88	16.7	0.0	33.8



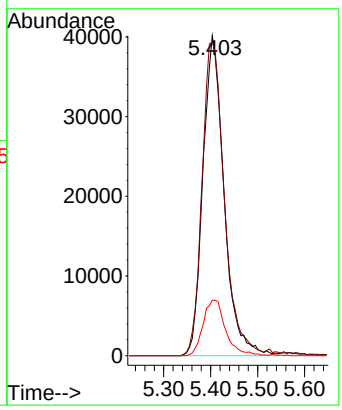


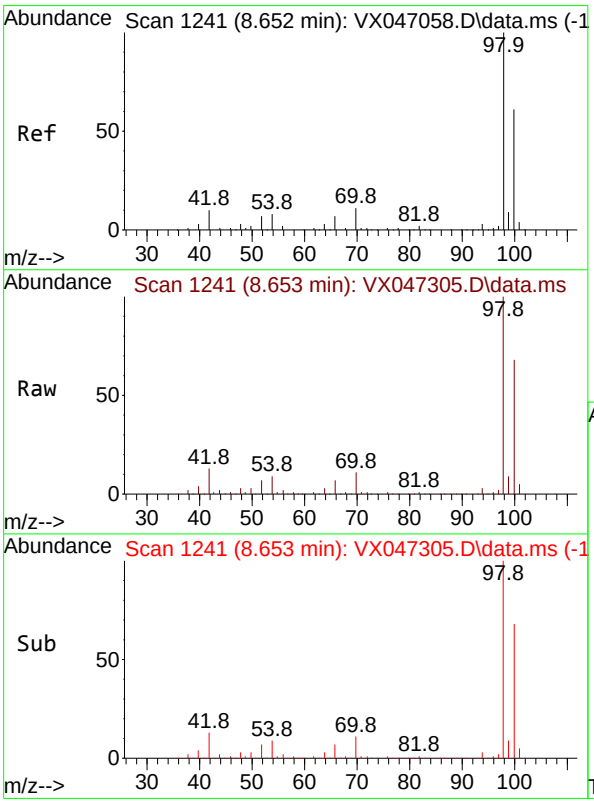
#35
Dibromofluoromethane
Concen: 52.088 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

Tgt Ion:113 Resp: 125425

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	124.0
192	18.5	14.9	22.3

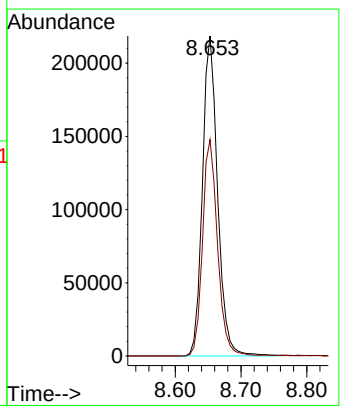


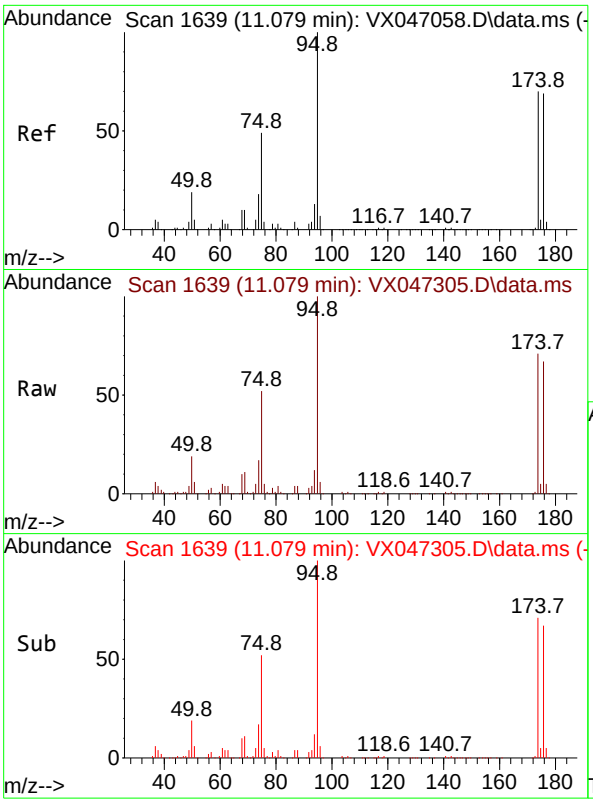


#50
Toluene-d8
Concen: 44.991 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Tgt Ion: 98 Resp: 350845

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9



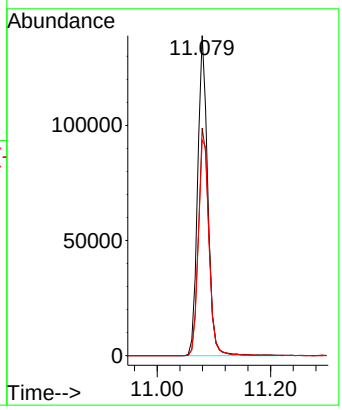


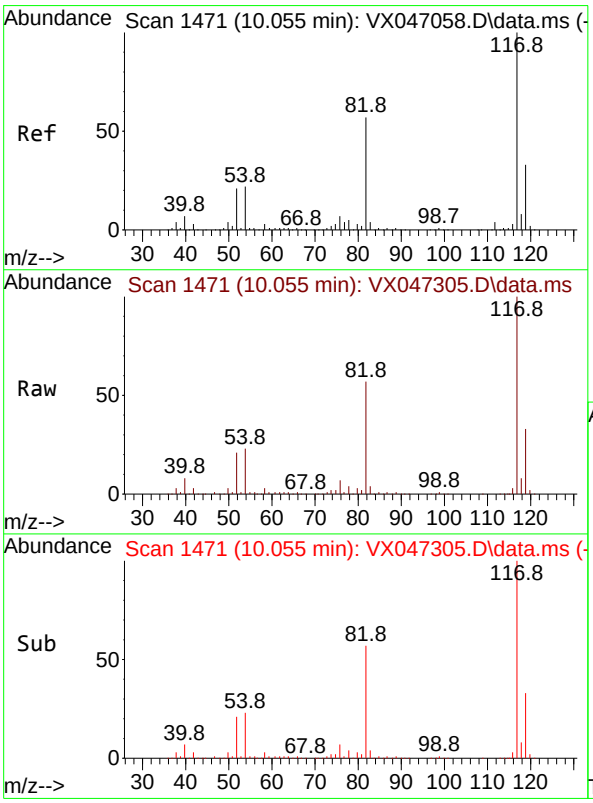
#62
4-Bromofluorobenzene
Concen: 50.950 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

Tgt Ion: 95 Resp: 171221

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	144.6
176	71.8	0.0	139.6

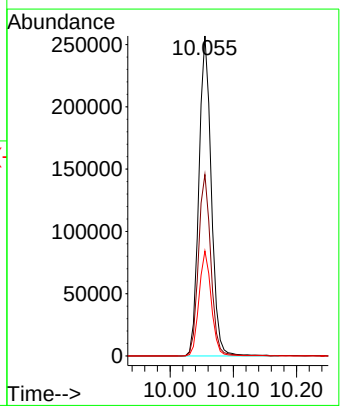


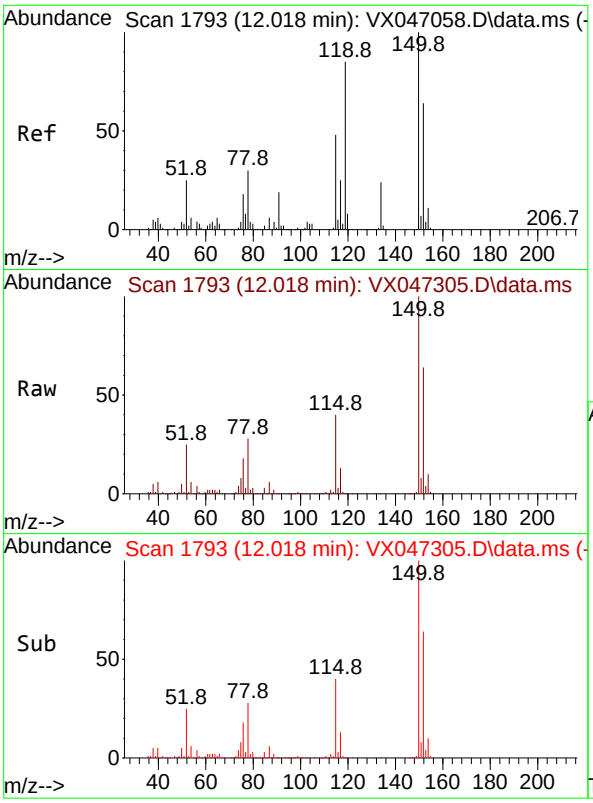


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Tgt Ion:117 Resp: 350131

Ion	Ratio	Lower	Upper
117	100		
82	56.7	45.4	68.2
119	32.8	26.1	39.1



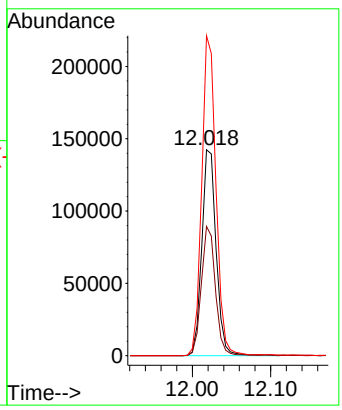


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047305.D
Acq: 12 Aug 2025 18:11

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

Tgt Ion:152 Resp: 180840

Ion	Ratio	Lower	Upper
152	100		
115	61.5	45.6	136.7
150	153.8	0.0	354.6



Sample Results: **VX047305.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047305.D
Acq On : 12 Aug 2025 18:11
Operator : JC/MD
Sample : Q2814-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047305.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.403	696	708	725	rBV3	130075	417545	37.49%	6.510%
2	5.568	725	735	757	rVB	222771	695299	62.43%	10.841%
3	5.970	791	801	827	rBV2	137217	397406	35.68%	6.196%
4	6.775	924	933	949	rBV	357379	927005	83.23%	14.453%
5	8.653	1234	1241	1259	rBV	591126	953486	85.61%	14.866%
6	10.055	1465	1471	1484	rBV	796025	1091487	98.00%	17.018%
7	11.079	1634	1639	1654	rBV	652069	817859	73.43%	12.751%
8	12.018	1788	1793	1808	rBV	896393	1113745	100.00%	17.365%

Sum of corrected areas: 6413832

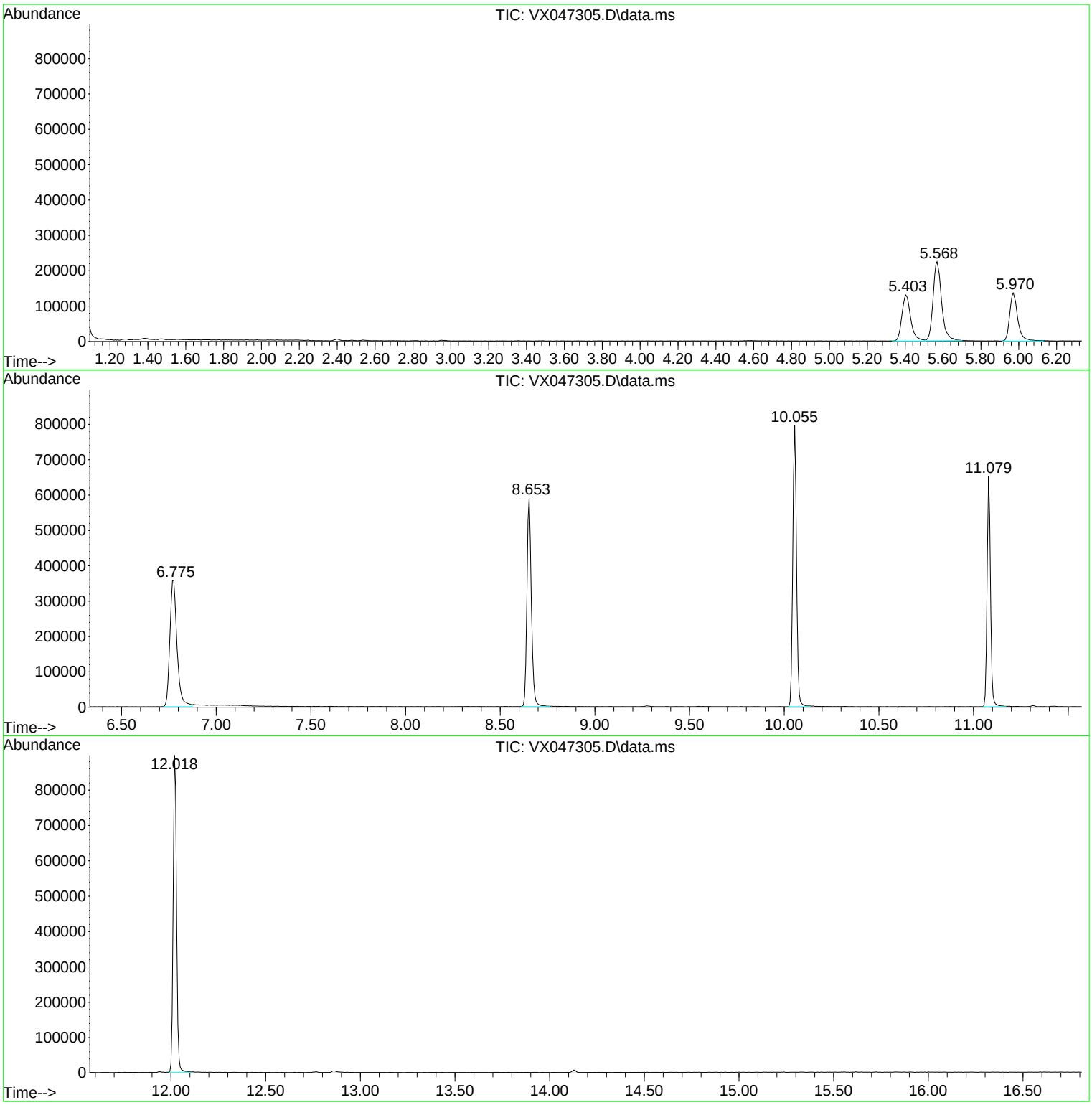
Sample Results: **VX047305.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047305.D
Acq On : 12 Aug 2025 18:11
Operator : JC/MD
Sample : Q2814-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047305.D
Acq On : 12 Aug 2025 18:11
Operator : JC/MD
Sample : Q2814-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047305.D
Acq On : 12 Aug 2025 18:11
Operator : JC/MD
Sample : Q2814-15
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-BP-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	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
VX047315.D	1	08/13/25 12:35	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	6.30		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	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
VX047315.D	1	08/13/25 12:35	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.7		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	55.1		80 - 119		110%	SPK: 50
2037-26-5	Toluene-d8	46.3		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	198000	5.568				
540-36-3	1,4-Difluorobenzene	356000	6.775				
3114-55-4	Chlorobenzene-d5	329000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	170000	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/04/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	FB	SDG No.:	Q2814
Lab Sample ID:	Q2814-16	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
VX047315.D	1	08/13/25 12:35	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081325\
Data File : VX047315.D
Acq On : 13 Aug 2025 12:35
Operator : JC/MD
Sample : Q2814-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Time: Aug 14 03:27:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

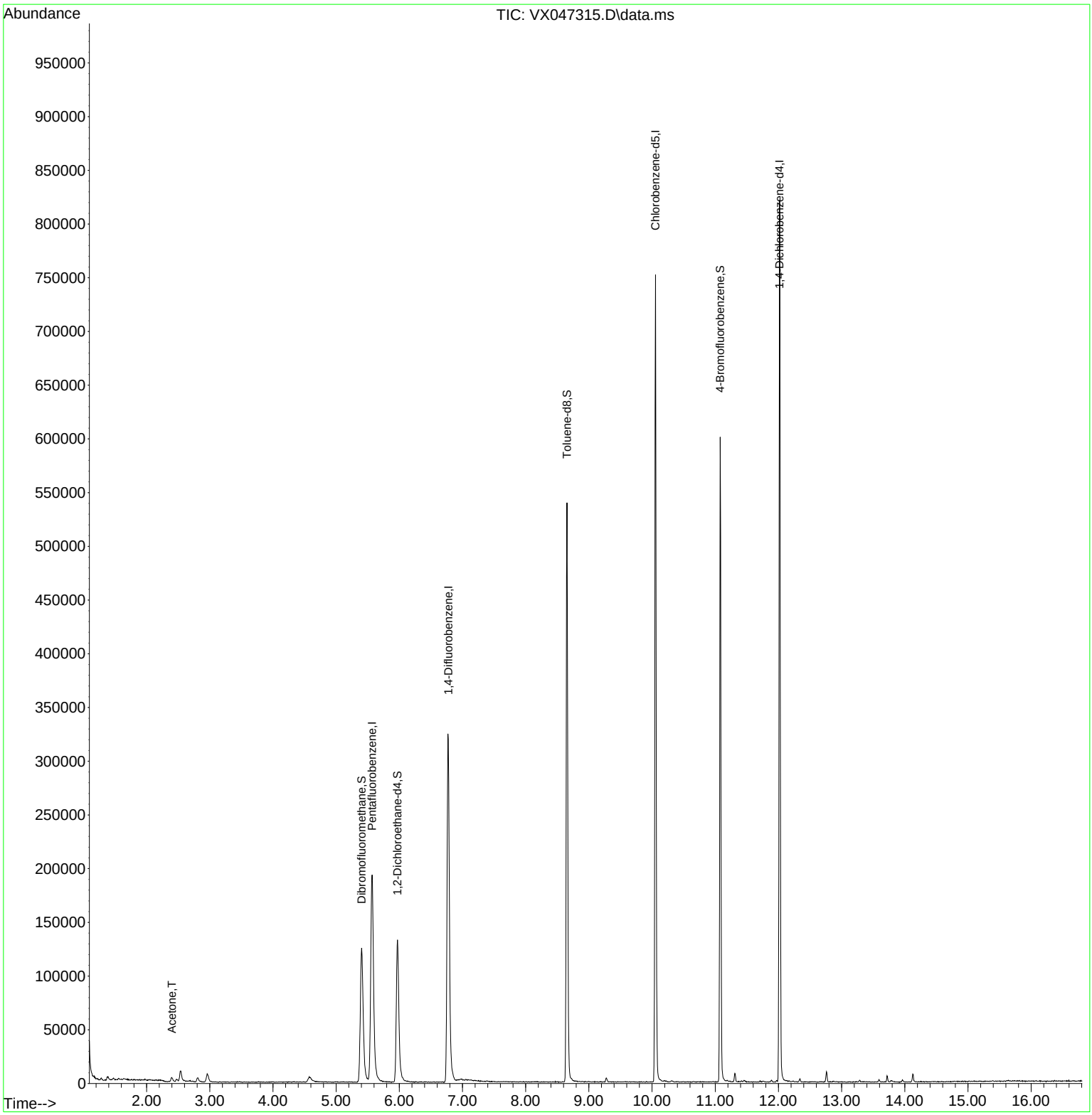
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	198338	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	355555	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	329474	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	170270	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	140095	56.703	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.400%			
35) Dibromofluoromethane	5.403	113	121014	55.124	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 110.240%			
50) Toluene-d8	8.653	98	329442	46.338	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.680%			
62) 4-Bromofluorobenzene	11.079	95	163126	53.243	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.480%			
Target Compounds						Qvalue
16) Acetone	2.398	43	6256	6.321	ug/l	90

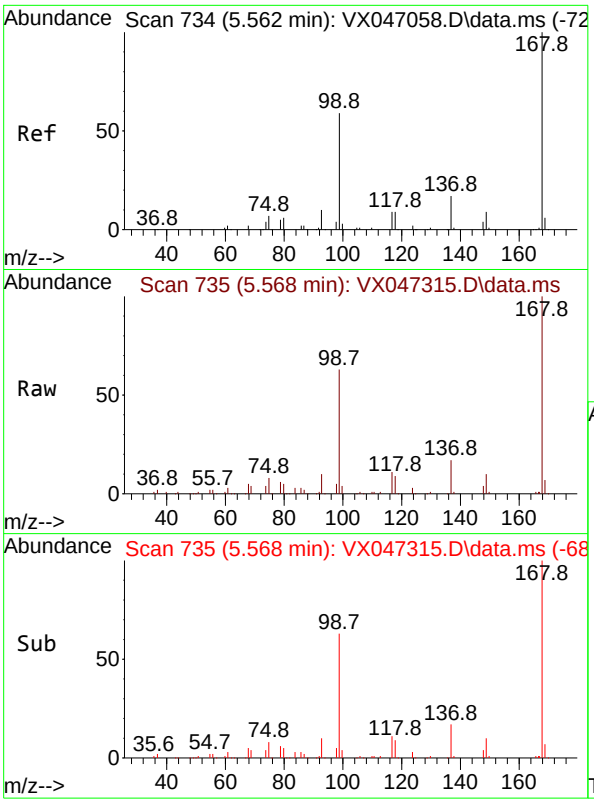
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047315.D
Acq On : 13 Aug 2025 12:35
Operator : JC/MD
Sample : Q2814-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Time: Aug 14 03:27:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



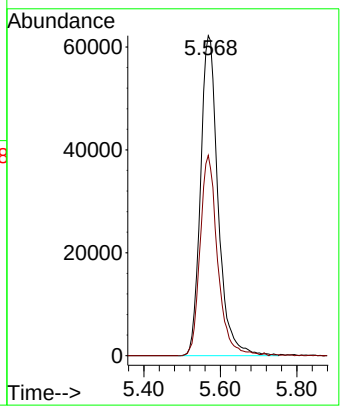


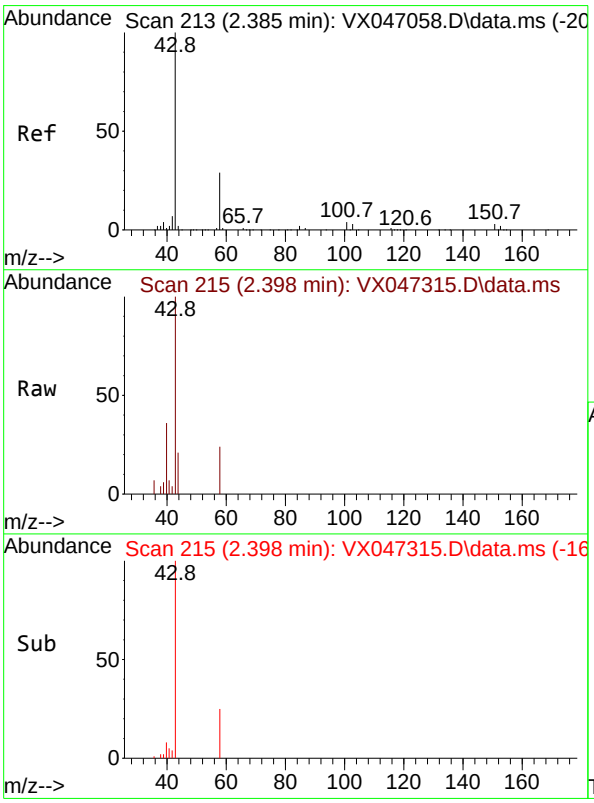
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion:168 Resp: 198338

Ion	Ratio	Lower	Upper
168	100		
99	62.6	48.0	72.0

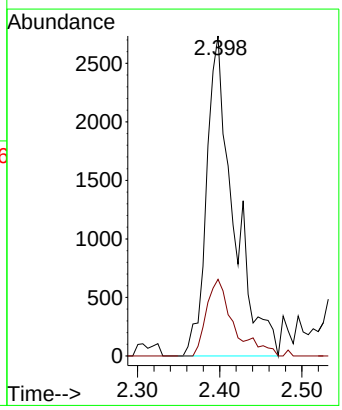


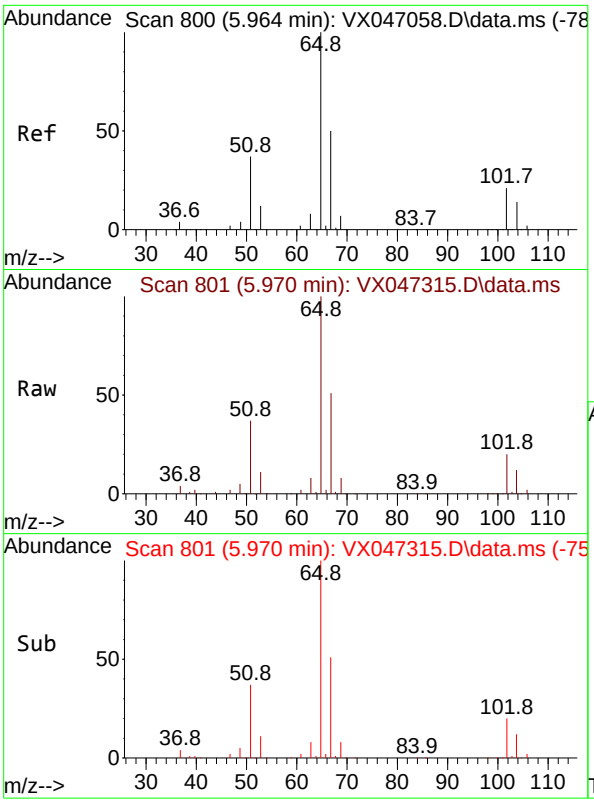


#16
Acetone
Concen: 6.321 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Tgt Ion: 43 Resp: 6256

Ion	Ratio	Lower	Upper
43	100		
58	24.6	24.0	36.0



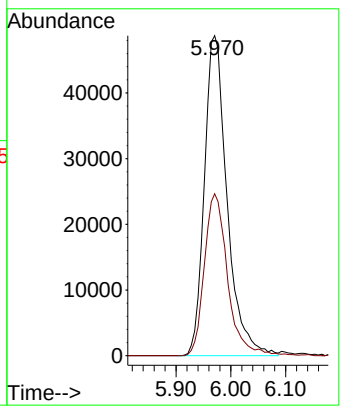


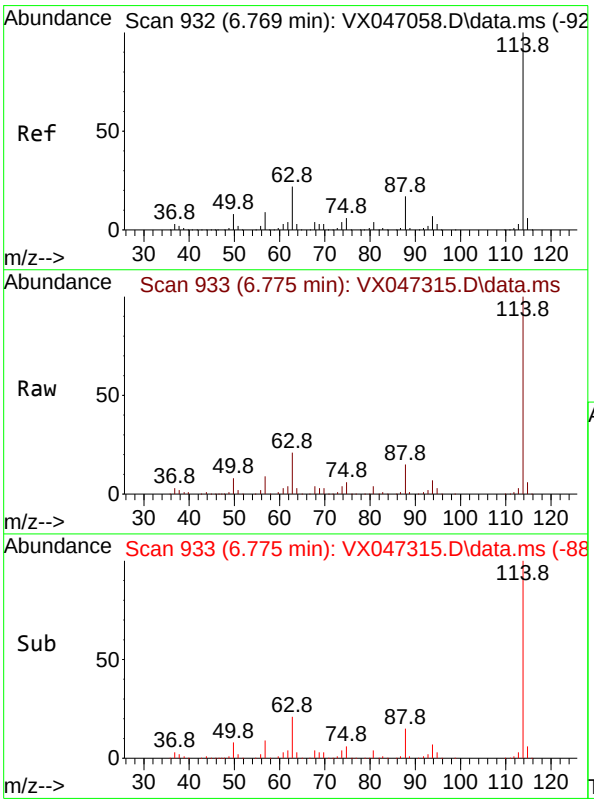
#33
1,2-Dichloroethane-d4
Concen: 56.703 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion: 65 Resp: 140095

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.8

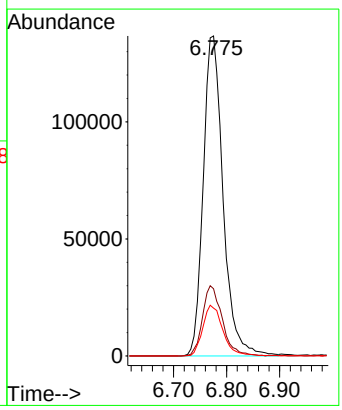


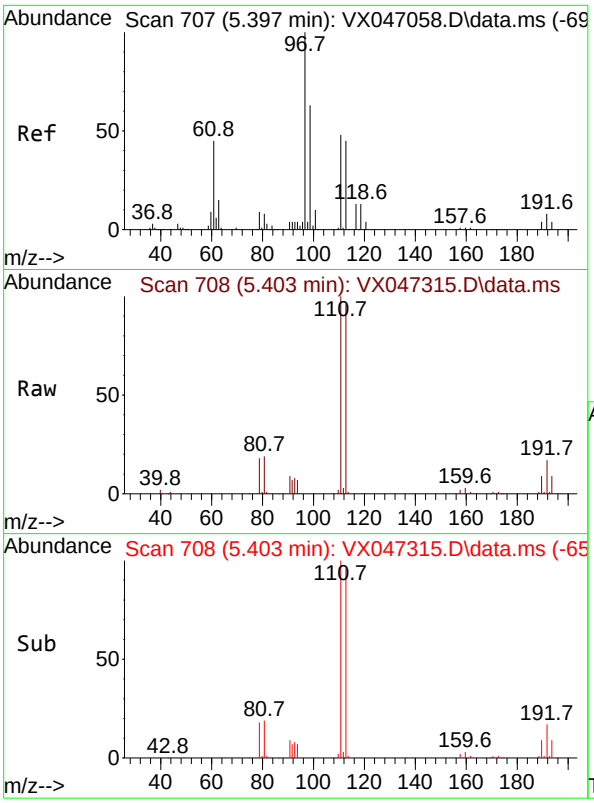


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Tgt Ion:114 Resp: 355555

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.2
88	15.0	0.0	33.8



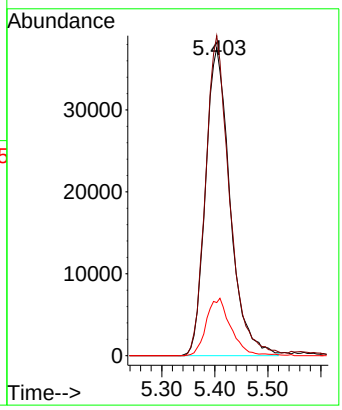


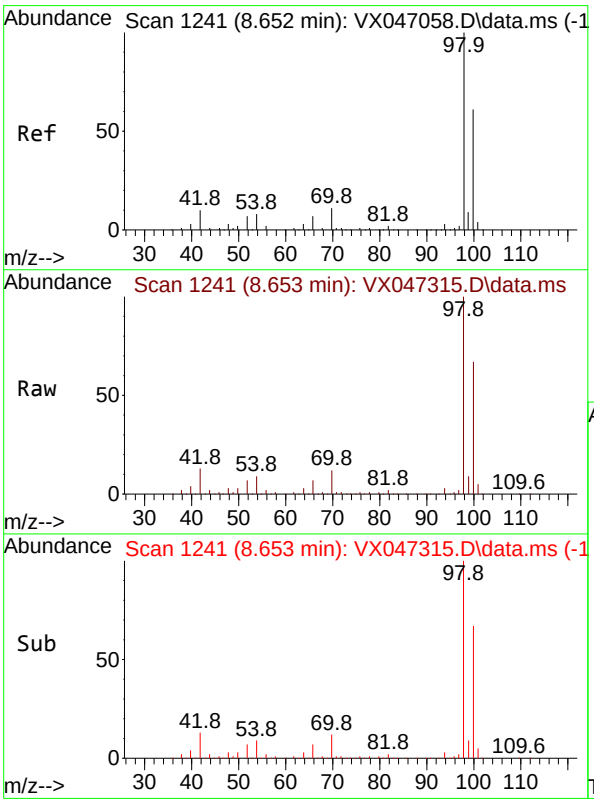
#35
Dibromofluoromethane
Concen: 55.124 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion:113 Resp: 121014

Ion	Ratio	Lower	Upper
113	100		
111	101.6	82.6	124.0
192	18.7	14.9	22.3

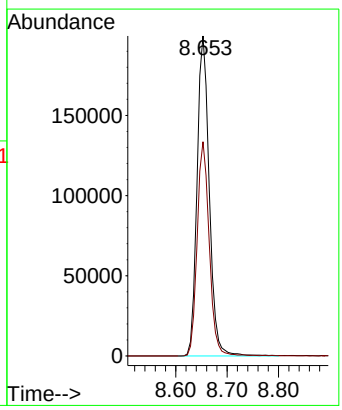


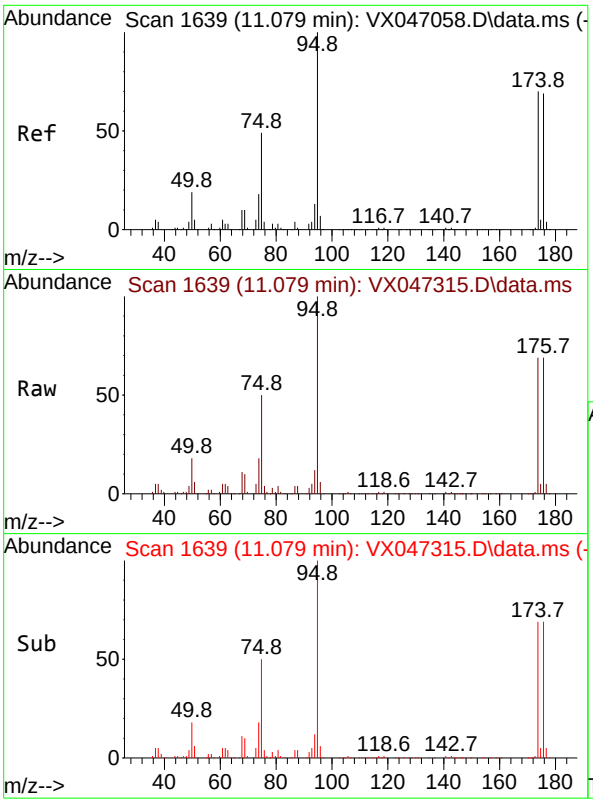


#50
Toluene-d8
Concen: 46.338 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Tgt Ion: 98 Resp: 329442

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9



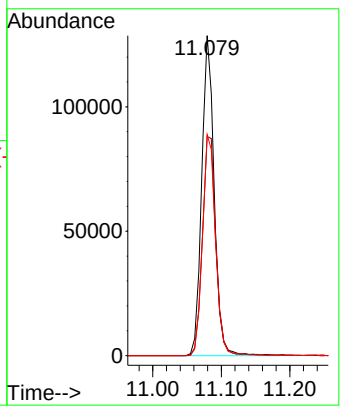


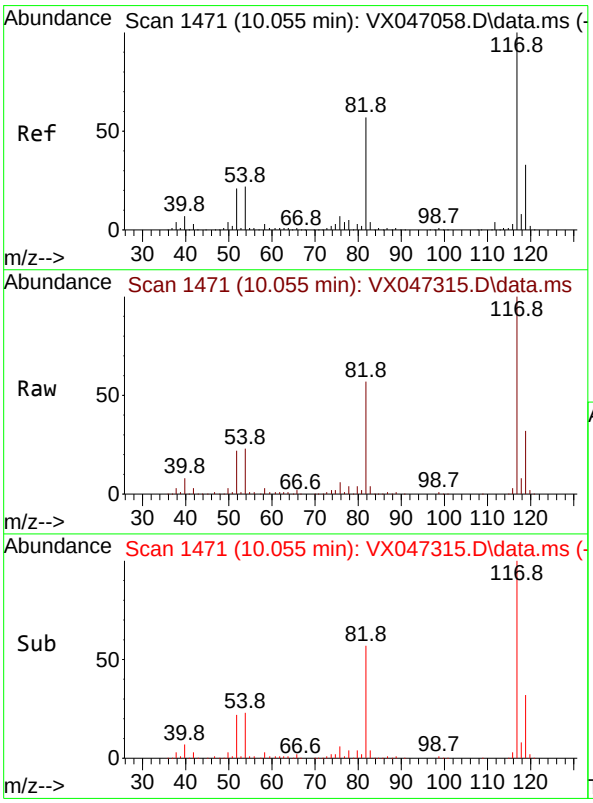
#62
4-Bromofluorobenzene
Concen: 53.243 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion: 95 Resp: 163126

Ion	Ratio	Lower	Upper
95	100		
174	73.8	0.0	144.6
176	72.0	0.0	139.6

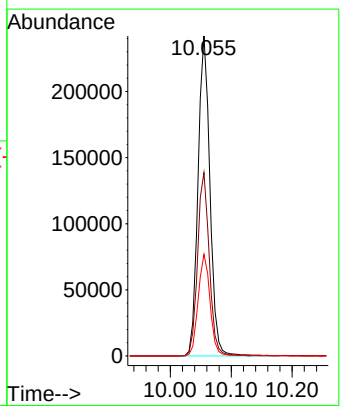


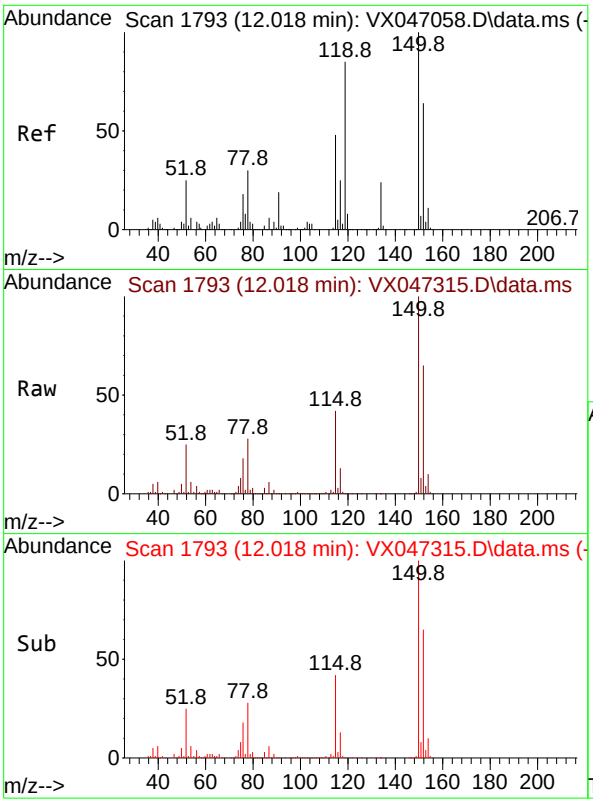


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Tgt Ion:117 Resp: 329474

Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.4	68.2
119	31.8	26.1	39.1



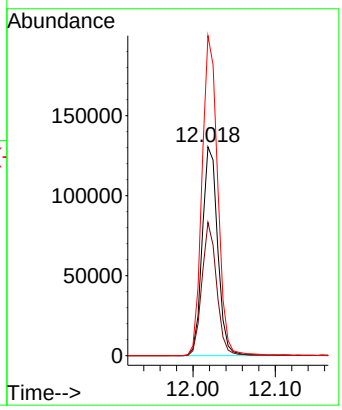


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047315.D
Acq: 13 Aug 2025 12:35

Instrument :
MSVOA_X
ClientSampleId :
FB

Tgt Ion:152 Resp: 170270

Ion	Ratio	Lower	Upper
152	100		
115	61.6	45.6	136.7
150	154.8	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047315.D
Acq On : 13 Aug 2025 12:35
Operator : JC/MD
Sample : Q2814-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047315.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.538	232	238	246	rBV2	9334	20716	1.97%	0.342%
2	2.959	299	307	315	rBV4	7742	19031	1.81%	0.314%
3	4.574	562	572	574	rBV3	5131	11095	1.06%	0.183%
4	5.403	697	708	725	rBV4	124889	401308	38.20%	6.621%
5	5.568	725	735	758	rVB	192125	608014	57.87%	10.031%
6	5.970	790	801	820	rBV	132377	381777	36.34%	6.298%
7	6.769	921	932	954	rBV	324589	850325	80.93%	14.028%
8	8.653	1234	1241	1252	rBV	539064	885544	84.29%	14.609%
9	10.055	1465	1471	1490	rBV	751117	1022300	97.30%	16.865%
10	11.079	1634	1639	1655	rBV	600013	774677	73.73%	12.780%
11	11.311	1673	1677	1684	rVB3	7868	11229	1.07%	0.185%
12	12.018	1788	1793	1804	rBV	820308	1050634	100.00%	17.333%
13	12.762	1909	1915	1921	rBV	9579	13196	1.26%	0.218%
14	14.128	2132	2139	2146	rBV	7549	11723	1.12%	0.193%

Sum of corrected areas: 6061569

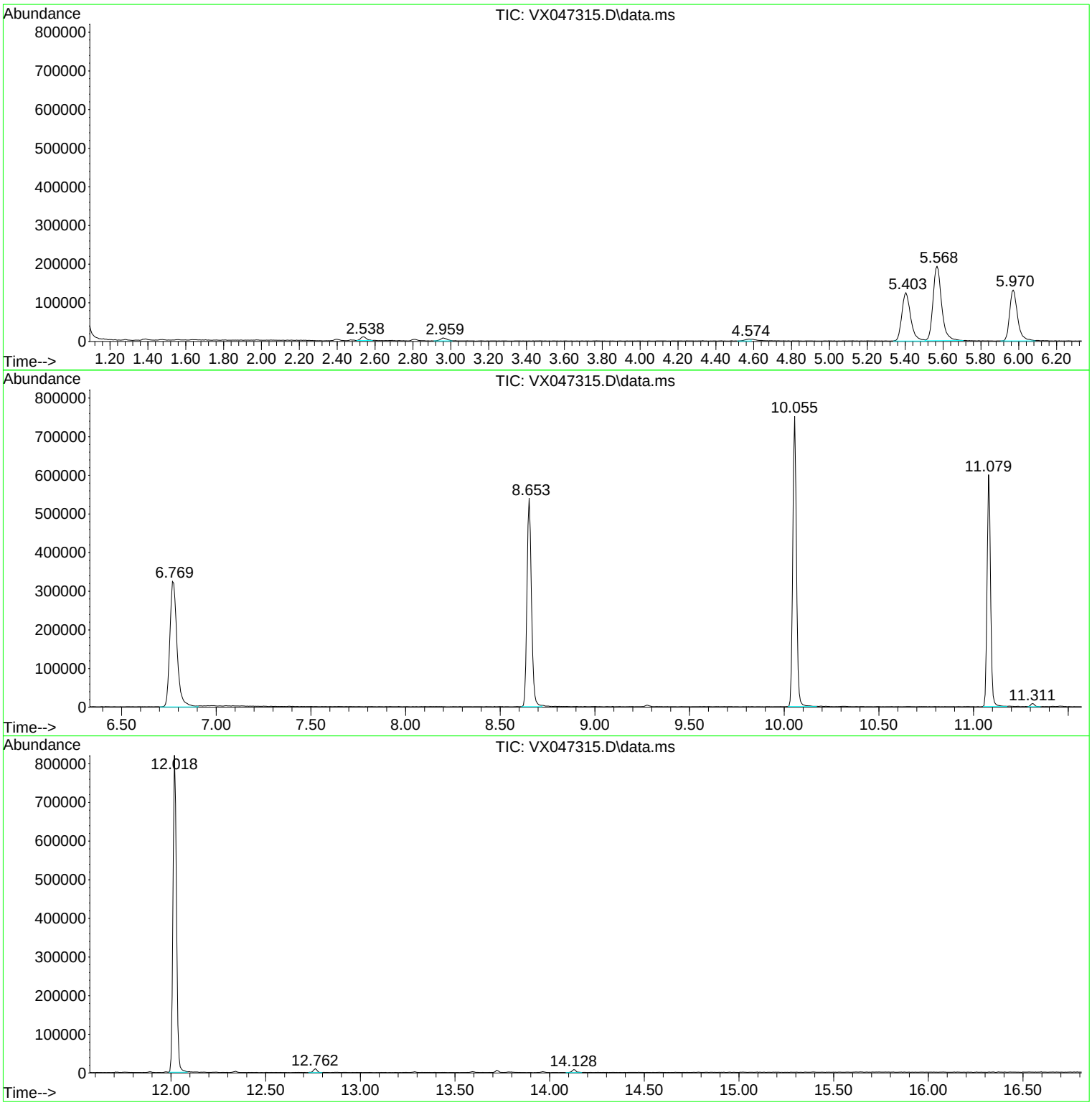
Sample Results: **VX047315.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047315.D
Acq On : 13 Aug 2025 12:35
Operator : JC/MD
Sample : Q2814-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047315.D
Acq On : 13 Aug 2025 12:35
Operator : JC/MD
Sample : Q2814-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX081325\
Data File : VX047315.D
Acq On : 13 Aug 2025 12:35
Operator : JC/MD
Sample : Q2814-16
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	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
VX047341.D	1	08/14/25 13:58	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	7.60		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.94	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	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
VX047341.D	1	08/14/25 13:58	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.7		81 - 118		111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	55.0		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.4		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	230000	5.568				
540-36-3	1,4-Difluorobenzene	440000	6.769				
3114-55-4	Chlorobenzene-d5	435000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	217000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-S	SDG No.:	Q2814
Lab Sample ID:	Q2814-17	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
VX047341.D	1	08/14/25 13:58	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081425\
Data File : VX047341.D
Acq On : 14 Aug 2025 13:58
Operator : JC/MD
Sample : Q2814-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

Quant Time: Aug 18 01:29:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

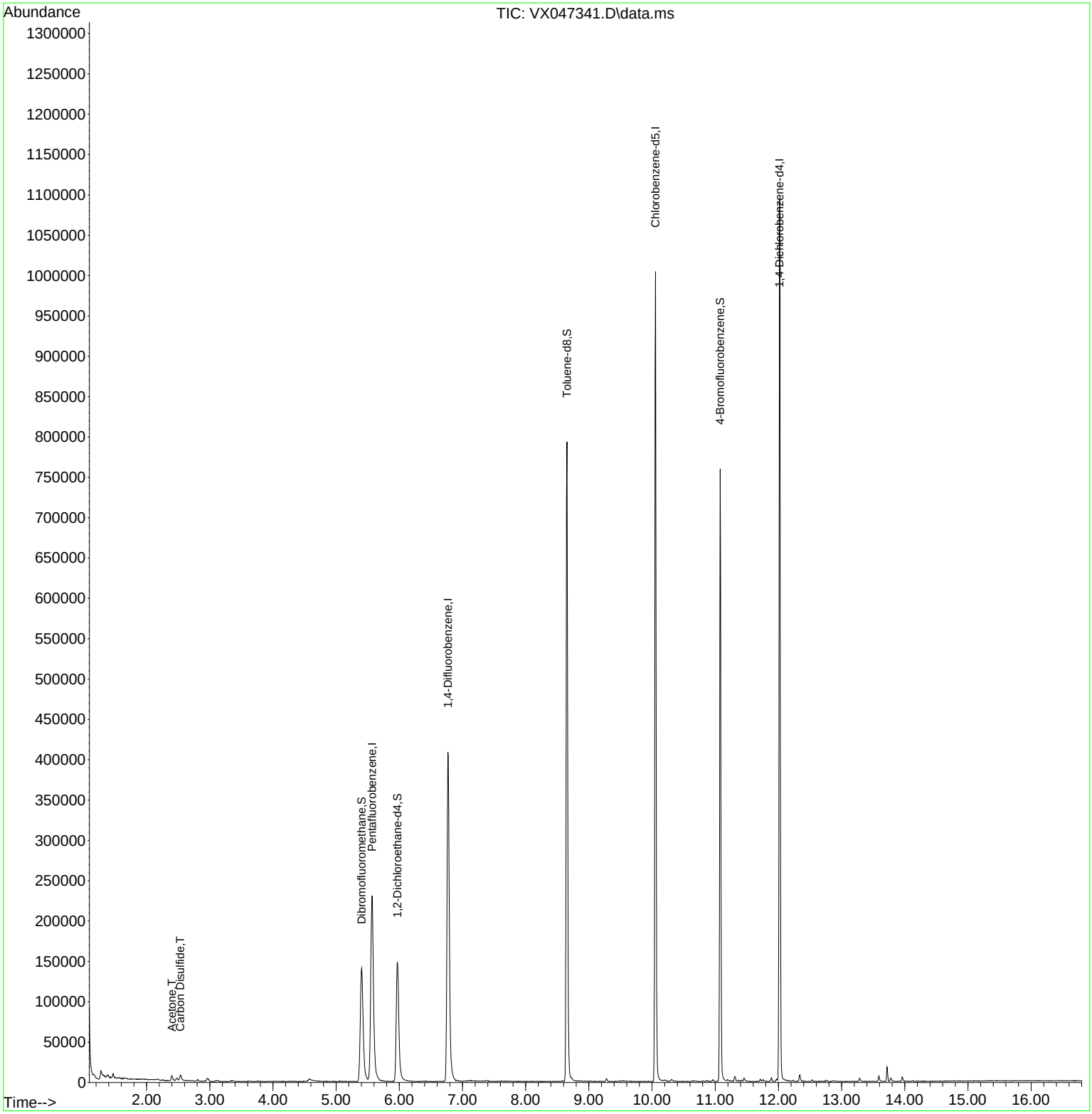
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	230111	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	440338	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	435075	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	217218	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	159597	55.677	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.360%			
35) Dibromofluoromethane	5.404	113	134982	49.648	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.300%			
50) Toluene-d8	8.653	98	483933	54.963	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.920%			
62) 4-Bromofluorobenzene	11.079	95	202666	53.412	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.820%			
Target Compounds						Qvalue
16) Acetone	2.398	43	8672	7.552	ug/l	92
17) Carbon Disulfide	2.532	76	7883	0.942	ug/l #	95

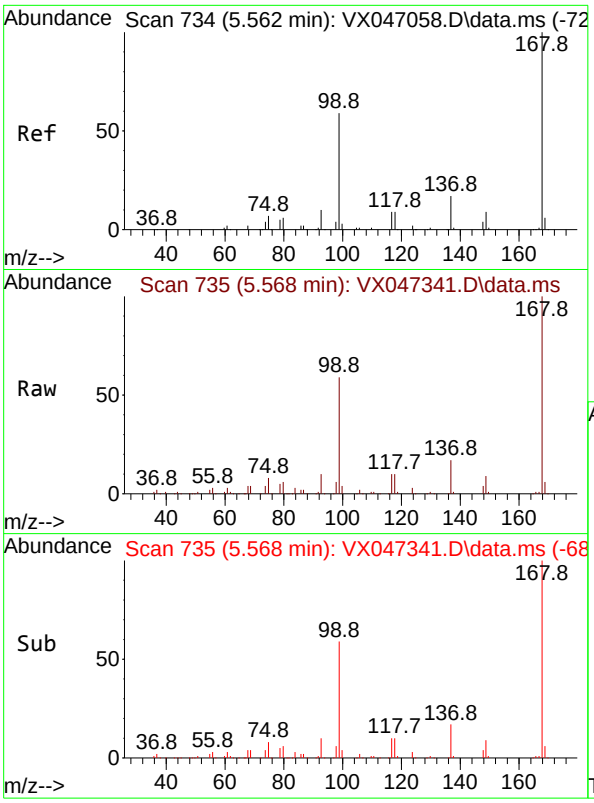
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047341.D
Acq On : 14 Aug 2025 13:58
Operator : JC/MD
Sample : Q2814-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

Quant Time: Aug 18 01:29:12 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



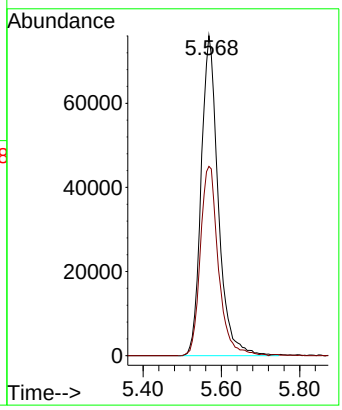


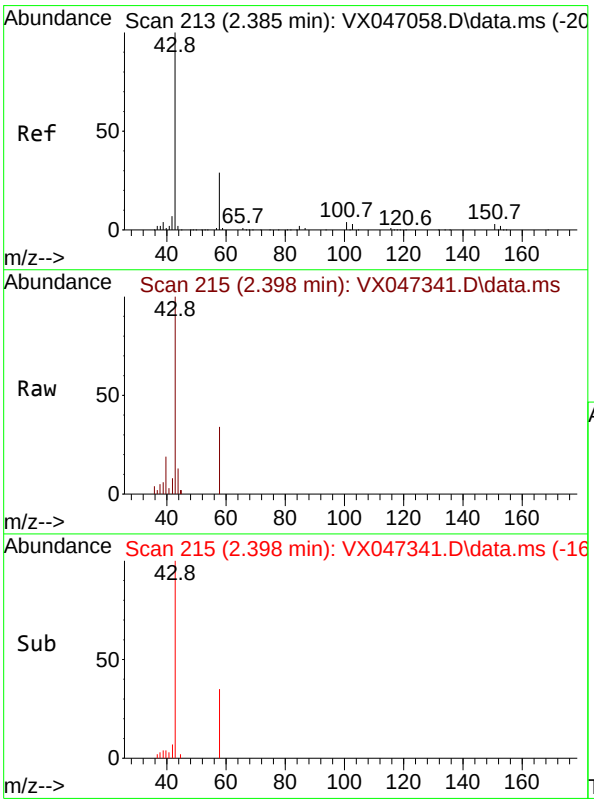
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047341.D
Acq: 14 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

Tgt Ion:168 Resp: 230111

Ion	Ratio	Lower	Upper
168	100		
99	59.2	48.0	72.0

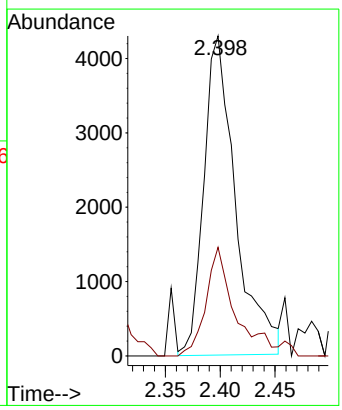


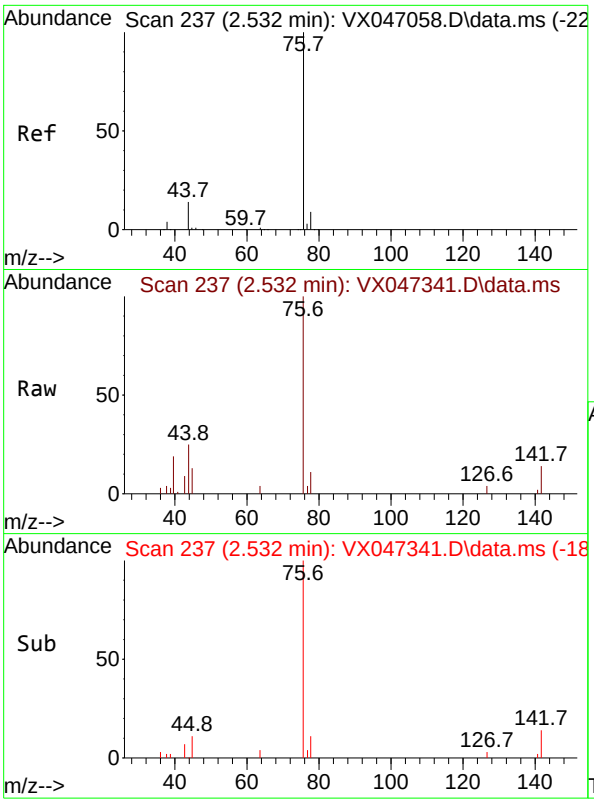


#16
Acetone
Concen: 7.552 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047341.D
Acq: 14 Aug 2025 13:58

Tgt Ion: 43 Resp: 8672

Ion	Ratio	Lower	Upper
43	100		
58	34.4	24.0	36.0



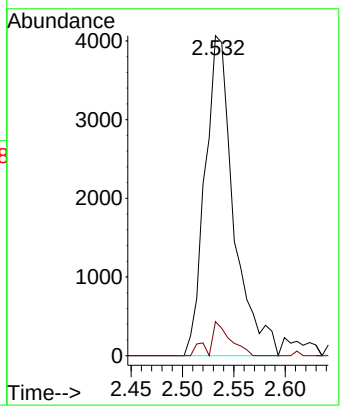


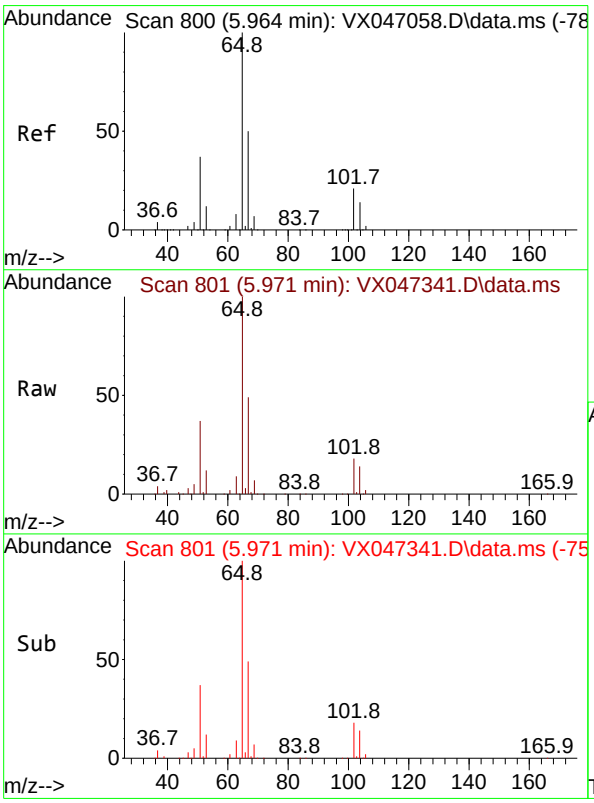
#17
Carbon Disulfide
Concen: 0.942 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047341.D
Acq: 14 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

Tgt Ion: 76 Resp: 7883

Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.0	10.4#

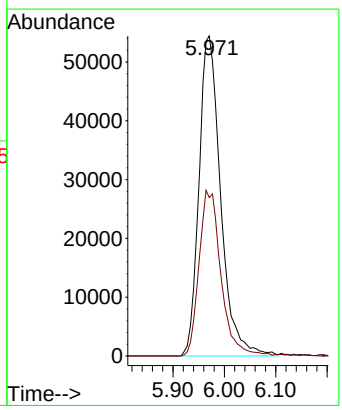


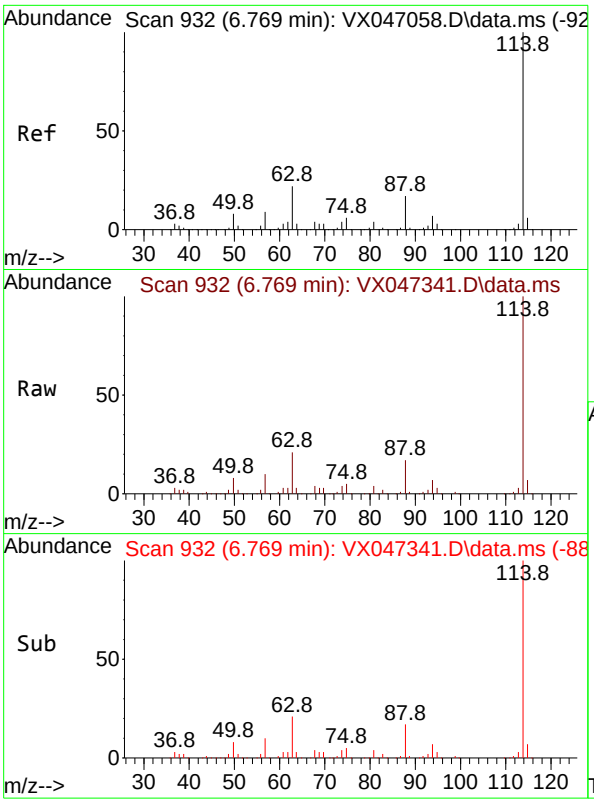


#33
1,2-Dichloroethane-d4
Concen: 55.677 ug/l
RT: 5.971 min Scan# 801
Delta R.T. 0.007 min
Lab File: VX047341.D
Acq: 14 Aug 2025 13:58

Tgt Ion: 65 Resp: 159597

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	104.8



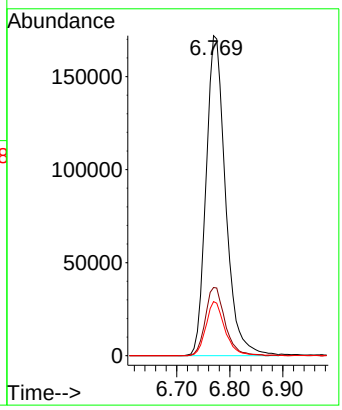


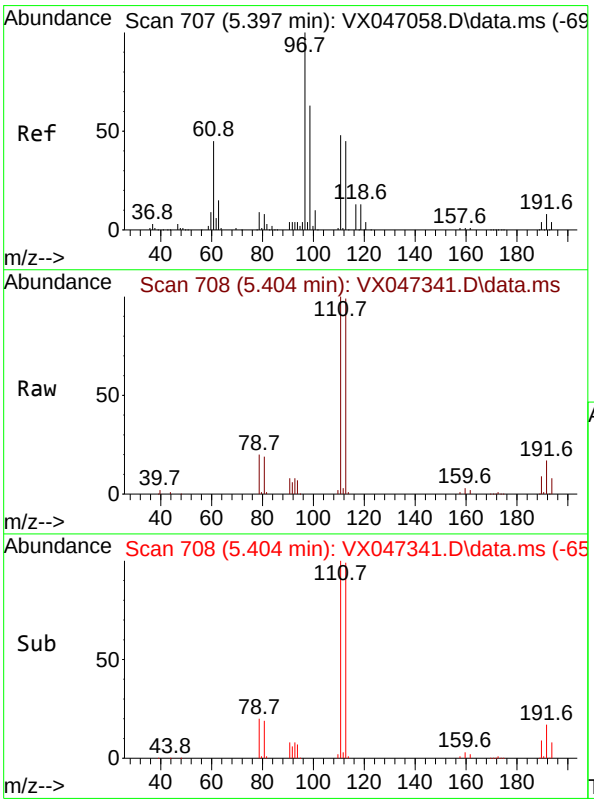
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047341.D
Acq: 14 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

Tgt Ion:114 Resp: 440338

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	43.2
88	16.9	0.0	33.8

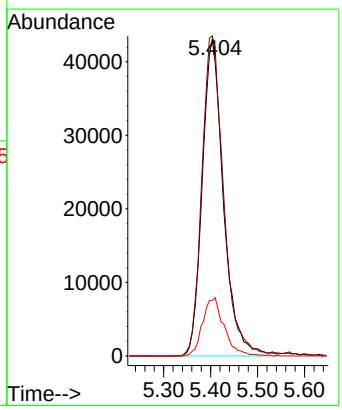


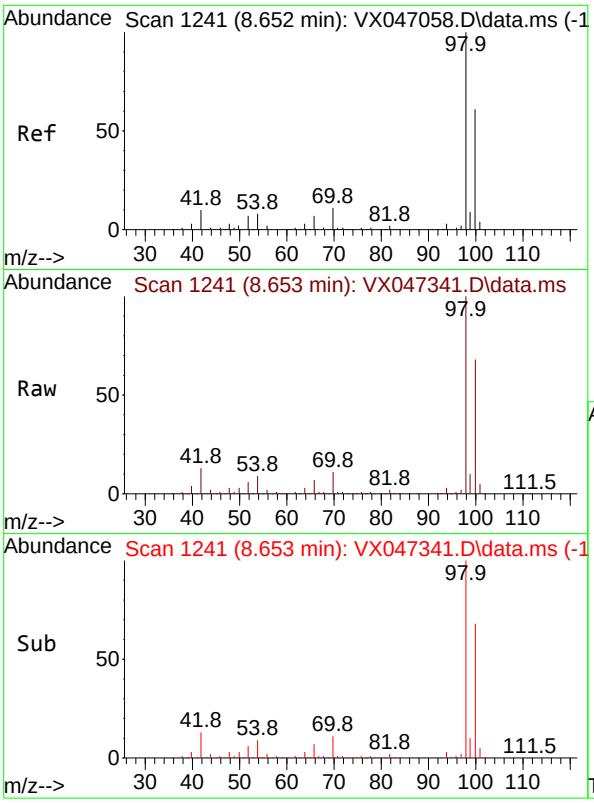


#35
Dibromofluoromethane
Concen: 49.648 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.007 min
Lab File: VX047341.D
Acq: 14 Aug 2025 13:58

Tgt Ion:113 Resp: 134982

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	124.0
192	18.7	14.9	22.3



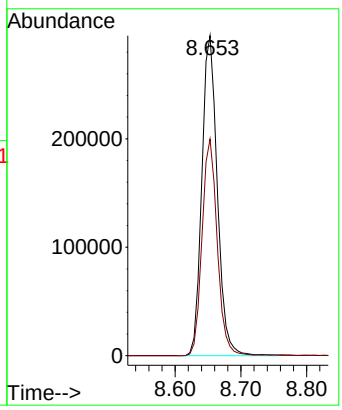


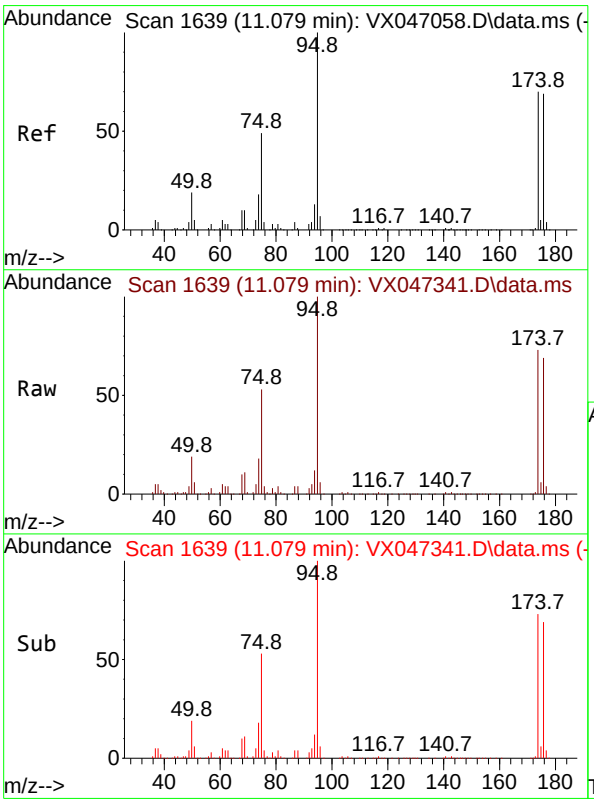
#50
Toluene-d8
Concen: 54.963 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047341.D
Acq: 14 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

Tgt Ion: 98 Resp: 483933

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9

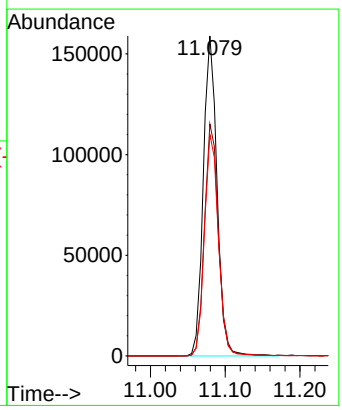


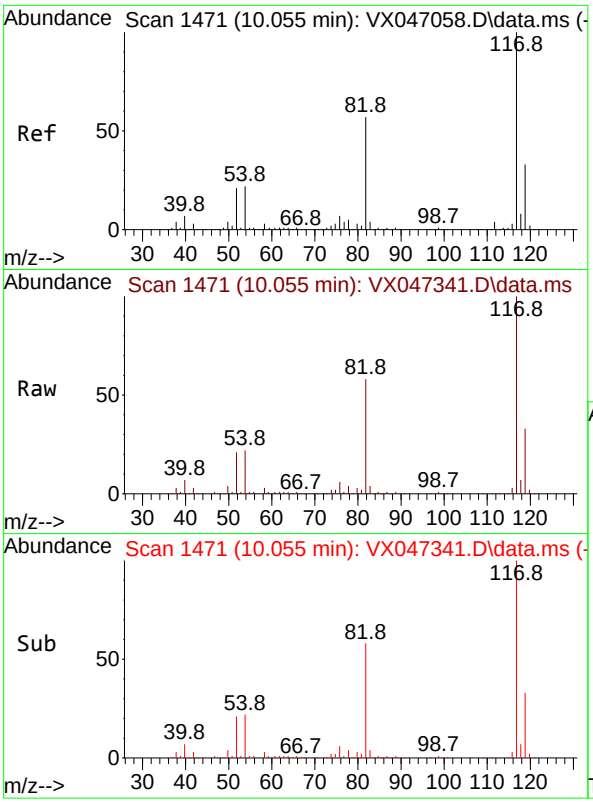


#62
4-Bromofluorobenzene
Concen: 53.412 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047341.D
Acq: 14 Aug 2025 13:58

Tgt Ion: 95 Resp: 202666

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	144.6
176	70.5	0.0	139.6



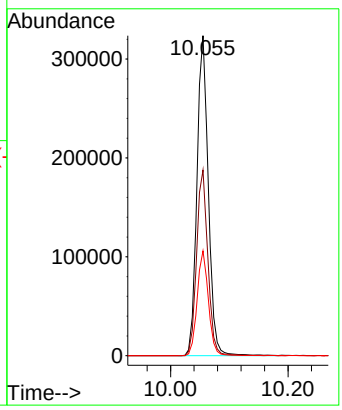


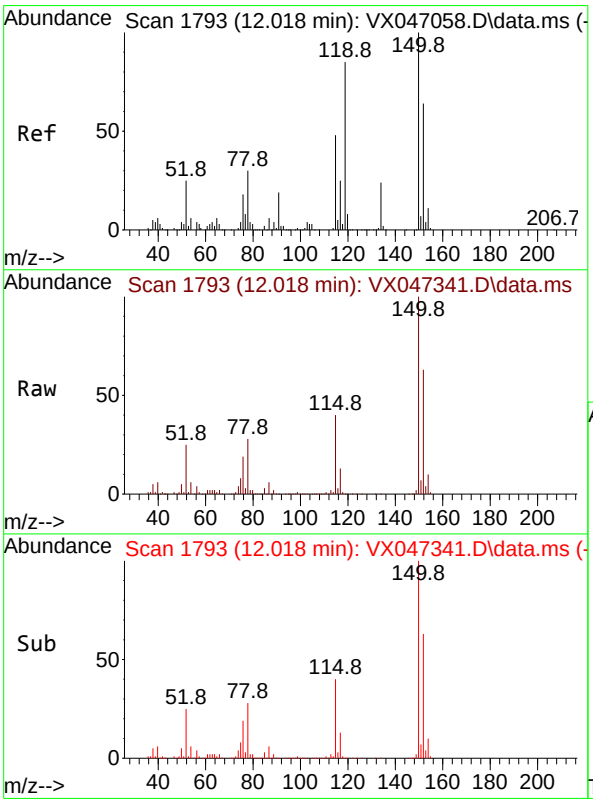
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047341.D
Acq: 14 Aug 2025 13:58

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

Tgt Ion:117 Resp: 435075

Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.4	68.2
119	32.8	26.1	39.1

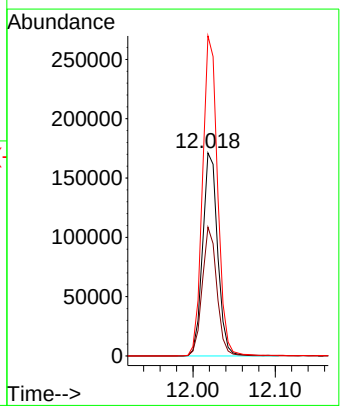




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047341.D
Acq: 14 Aug 2025 13:58

Tgt Ion:152 Resp: 217218

Ion	Ratio	Lower	Upper
152	100		
115	61.6	45.6	136.7
150	158.4	0.0	354.6



Sample Results: **VX047341.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047341.D
Acq On : 14 Aug 2025 13:58
Operator : JC/MD
Sample : Q2814-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047341.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.276	26	31	40	rBV2	10038	27116	1.99%	0.353%
2	5.404	697	708	724	rBV4	140185	448535	32.91%	5.842%
3	5.568	724	735	755	rVB2	229112	704907	51.72%	9.182%
4	5.971	792	801	823	rBV2	147617	438395	32.16%	5.710%
5	6.769	922	932	952	rBV	407793	1043093	76.53%	13.587%
6	8.653	1234	1241	1252	rBV	792440	1304634	95.72%	16.993%
7	10.055	1465	1471	1485	rBV	1003476	1362473	99.96%	17.747%
8	11.079	1634	1639	1655	rBV	758552	963334	70.68%	12.548%
9	12.018	1788	1793	1803	rBV	1092320	1363040	100.00%	17.754%
10	13.719	2068	2072	2077	rBV3	17702	21738	1.59%	0.283%

Sum of corrected areas: 7677265

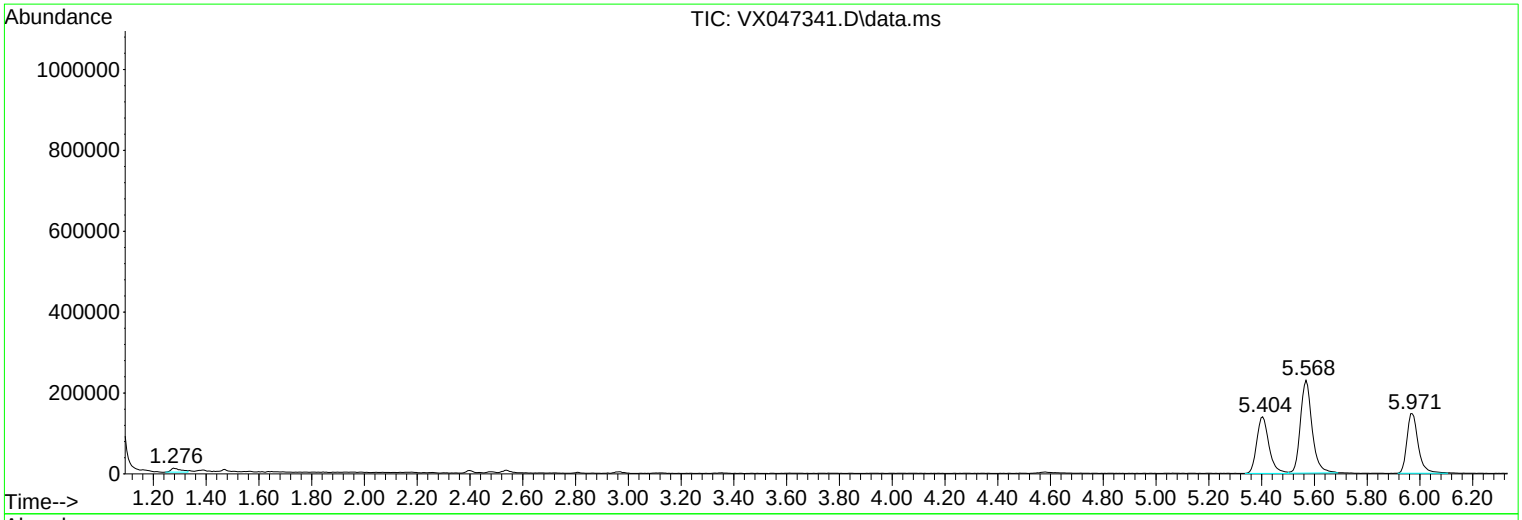
Sample Results: **VX047341.D**

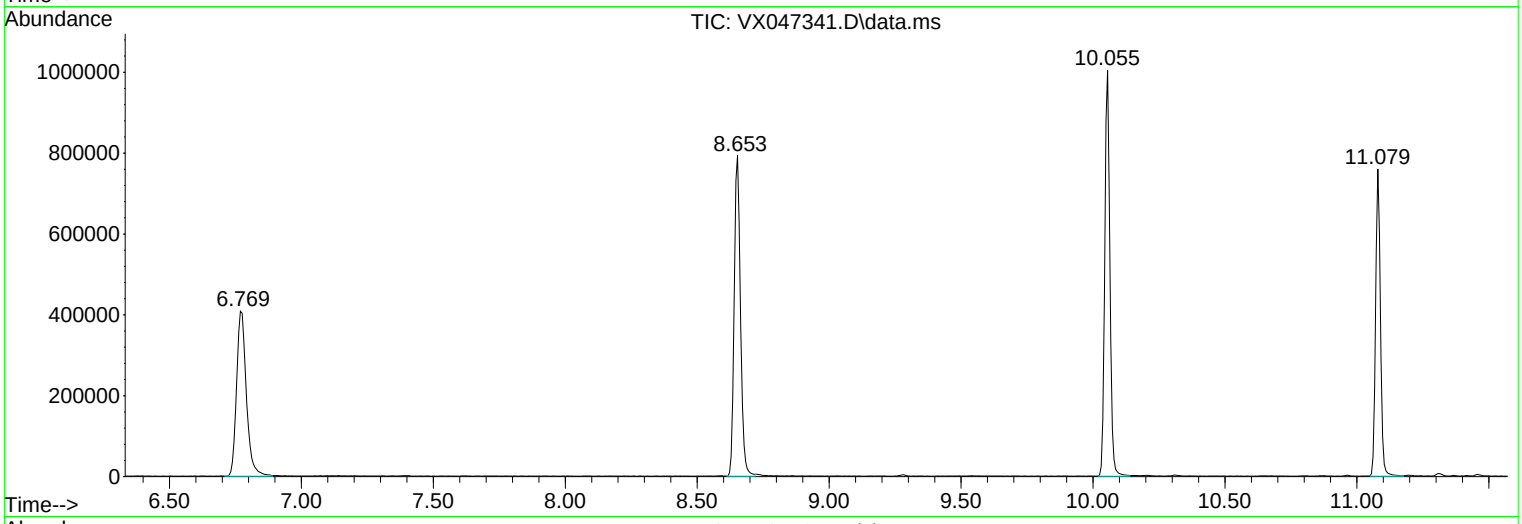
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047341.D
Acq On : 14 Aug 2025 13:58
Operator : JC/MD
Sample : Q2814-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

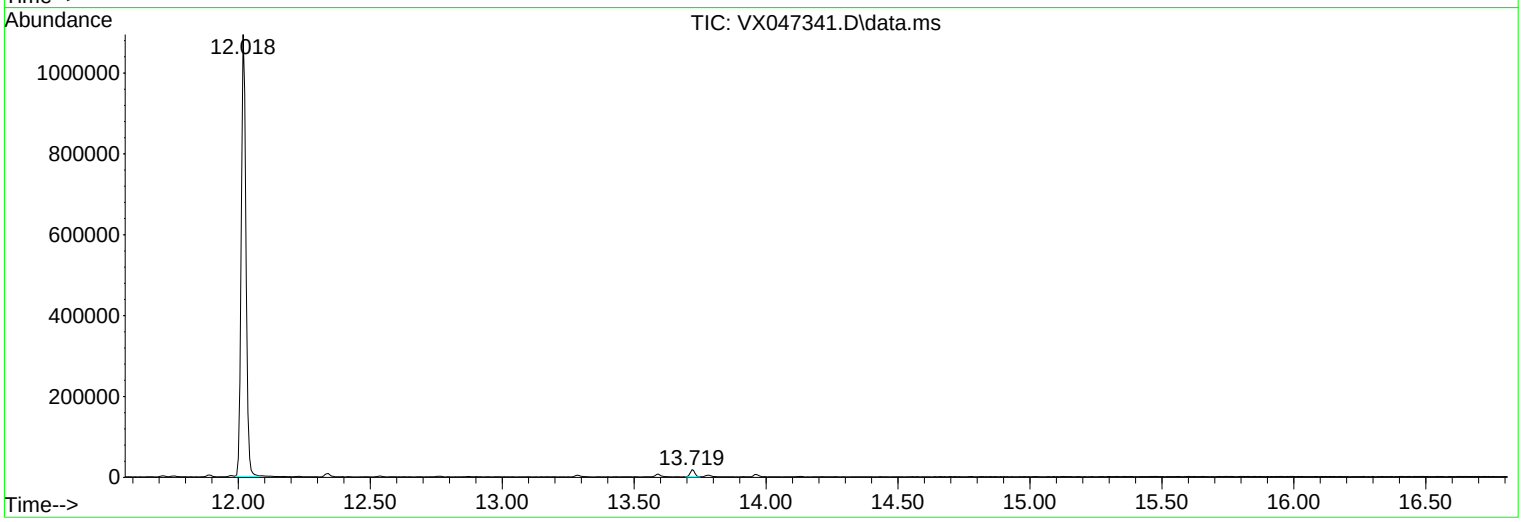
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047341.D
Acq On : 14 Aug 2025 13:58
Operator : JC/MD
Sample : Q2814-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047341.D
Acq On : 14 Aug 2025 13:58
Operator : JC/MD
Sample : Q2814-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-S

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-18	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
VX047320.D	1	08/13/25 14:24	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	8.80		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.69	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.38	J	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-18	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
VX047320.D	1	08/13/25 14:24	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	62.0	*	81 - 118		124%	SPK: 50
1868-53-7	Dibromofluoromethane	56.7		80 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	46.4		89 - 112		93%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.8		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	181000	5.568				
540-36-3	1,4-Difluorobenzene	338000	6.775				
3114-55-4	Chlorobenzene-d5	317000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	159000	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:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-N	SDG No.:	Q2814
Lab Sample ID:	Q2814-18	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
VX047320.D	1	08/13/25 14:24	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	8.60	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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047320.D
Acq On : 13 Aug 2025 14:24
Operator : JC/MD
Sample : Q2814-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Quant Time: Aug 14 03:29:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

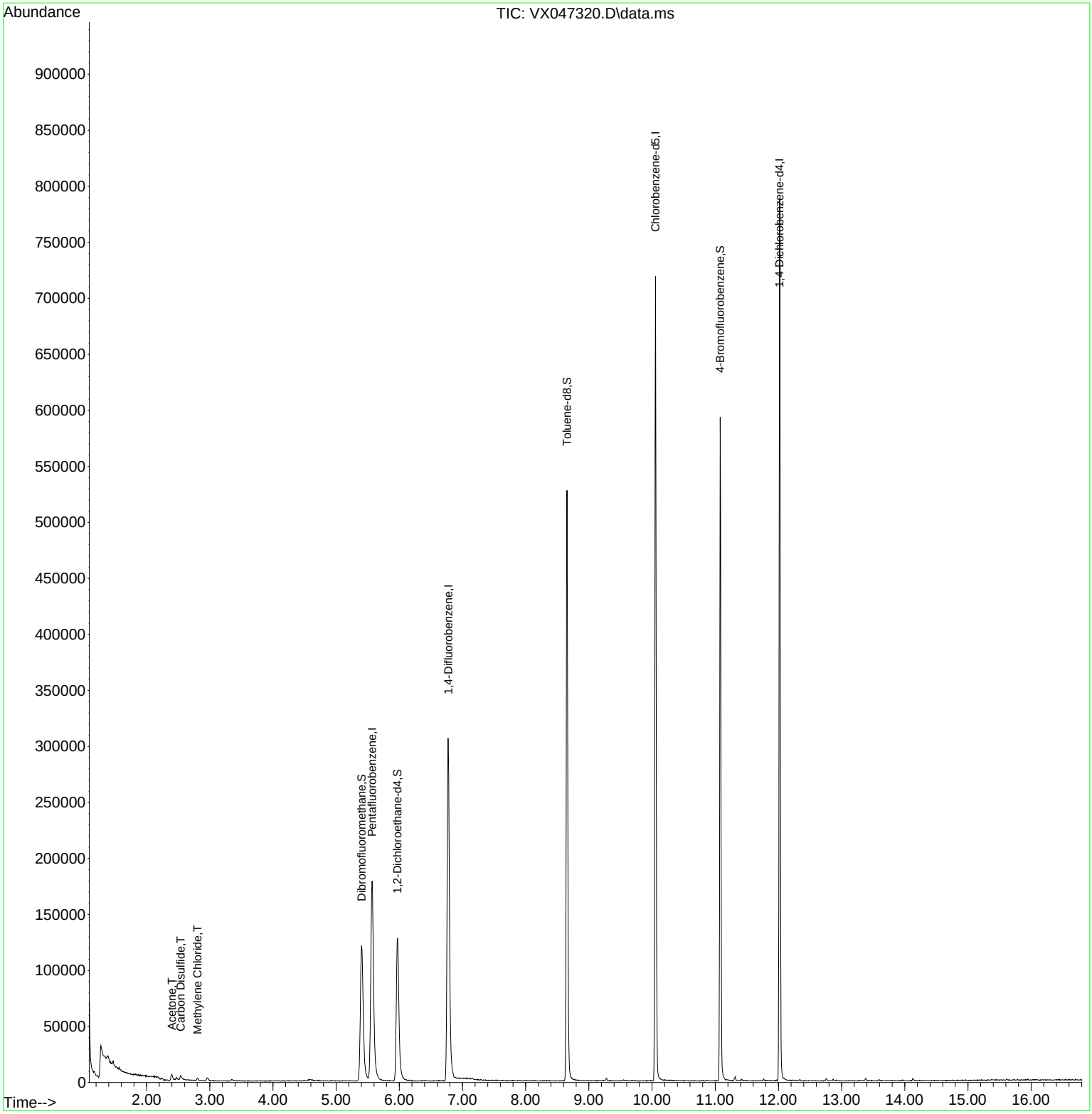
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	180502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	338323	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	317215	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	158976	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	139346	61.973	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 123.940%#			
35) Dibromofluoromethane	5.403	113	118435	56.697	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.400%			
50) Toluene-d8	8.653	98	313555	46.350	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 92.700%			
62) 4-Bromofluorobenzene	11.079	95	156885	53.814	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.620%			
Target Compounds						Qvalue
16) Acetone	2.398	43	7954	8.830	ug/l	97
17) Carbon Disulfide	2.538	76	4495	0.685	ug/l	97
20) Methylene Chloride	2.806	84	933	0.377	ug/l #	70

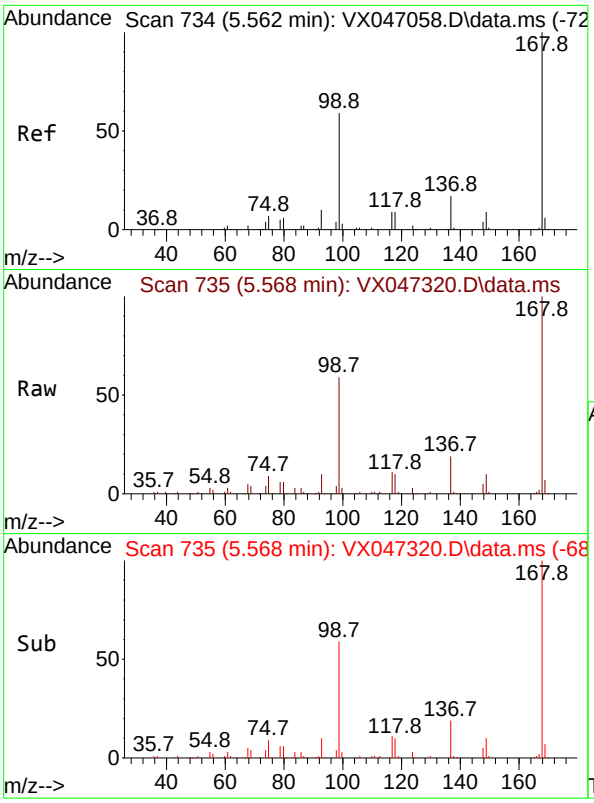
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047320.D
Acq On : 13 Aug 2025 14:24
Operator : JC/MD
Sample : Q2814-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Quant Time: Aug 14 03:29:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



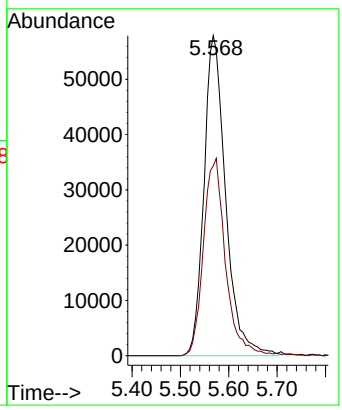


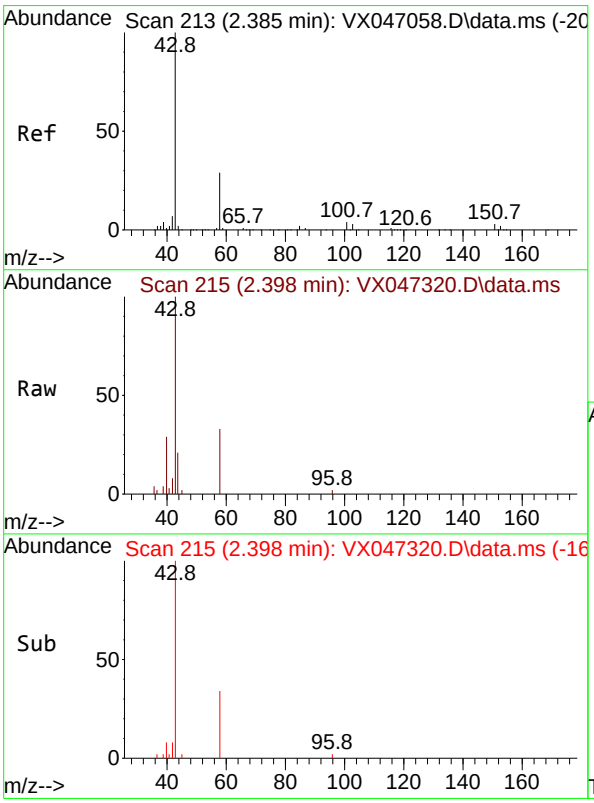
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Tgt Ion:168 Resp: 180502

Ion	Ratio	Lower	Upper
168	100		
99	59.3	48.0	72.0

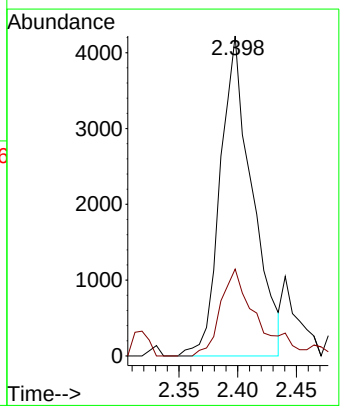


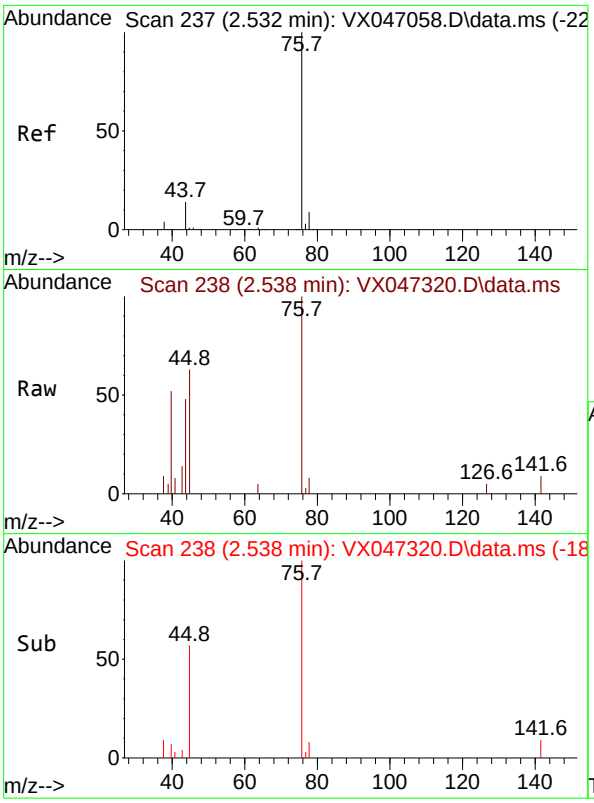


#16
Acetone
Concen: 8.830 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion: 43 Resp: 7954

Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.0	36.0



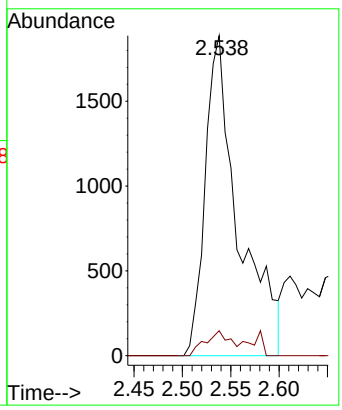


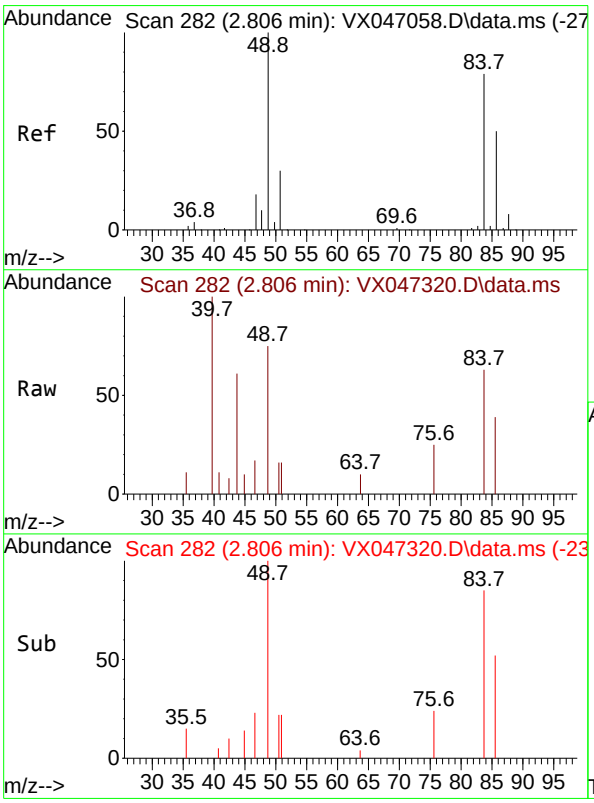
#17
Carbon Disulfide
Concen: 0.685 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Tgt Ion: 76 Resp: 4495

Ion	Ratio	Lower	Upper
76	100		
78	7.8	7.0	10.4

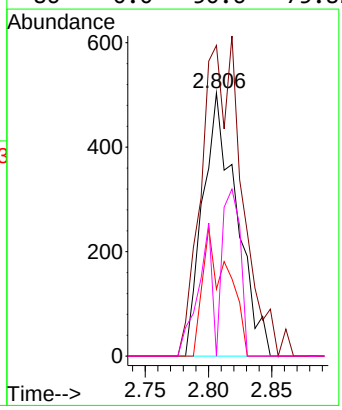


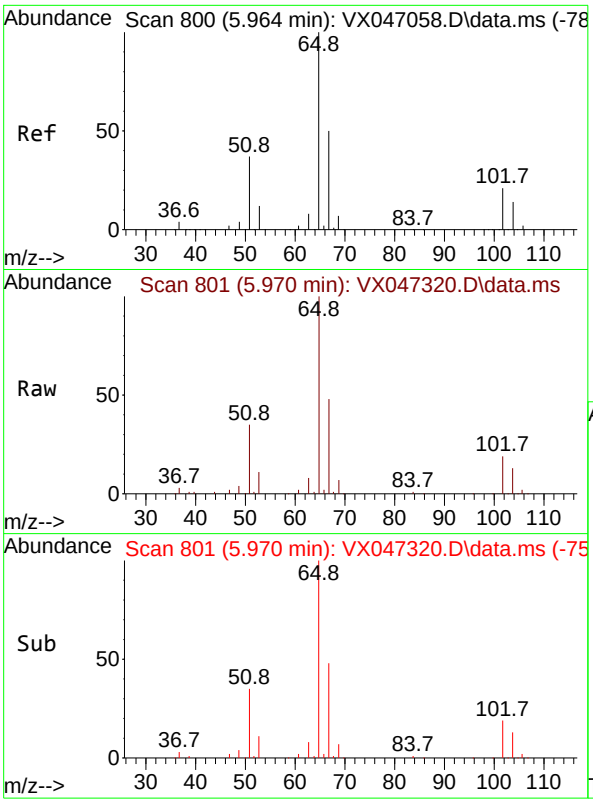


#20
Methylene Chloride
Concen: 0.377 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion: 84 Resp: 933

Ion	Ratio	Lower	Upper
84	100		
49	118.1	101.6	152.4
51	25.4	30.3	45.5#
86	0.0	50.6	75.8#



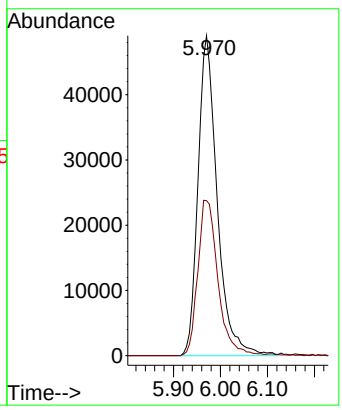


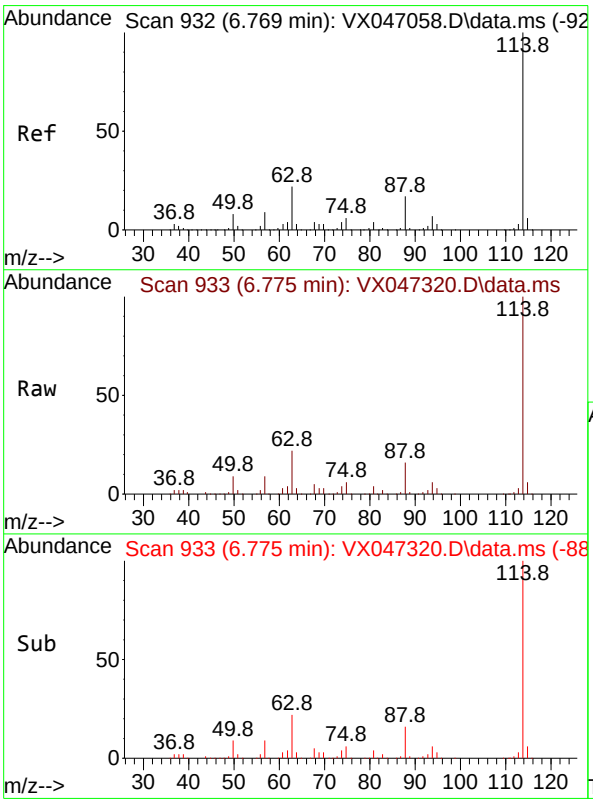
#33
1,2-Dichloroethane-d4
Concen: 61.973 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Tgt Ion: 65 Resp: 139346

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	104.8

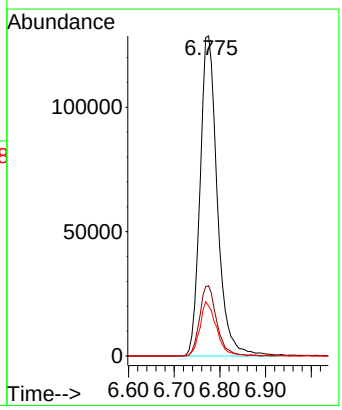


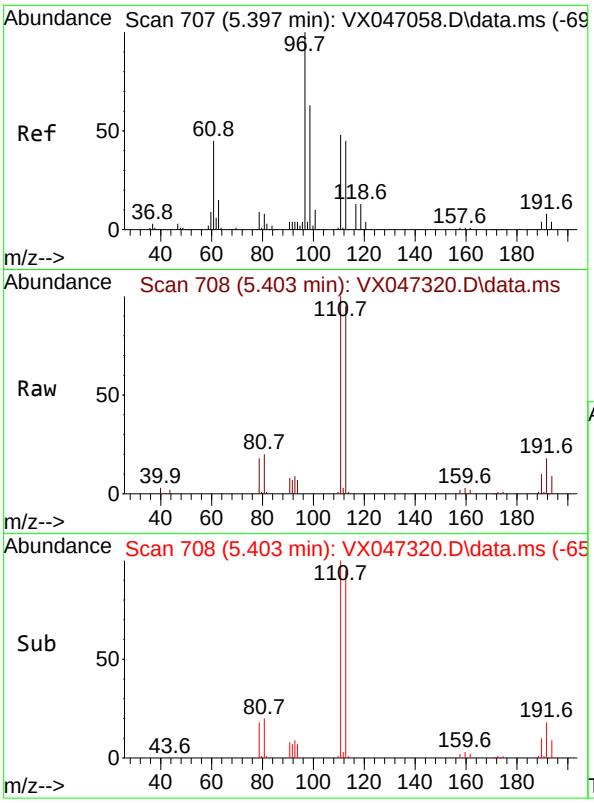


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion:114 Resp: 338323

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.2
88	15.6	0.0	33.8



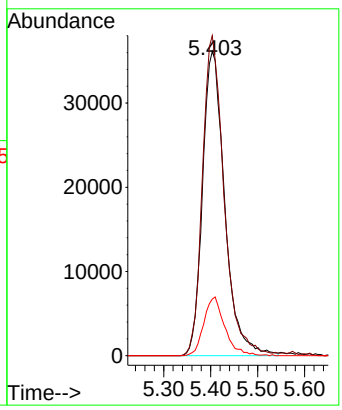


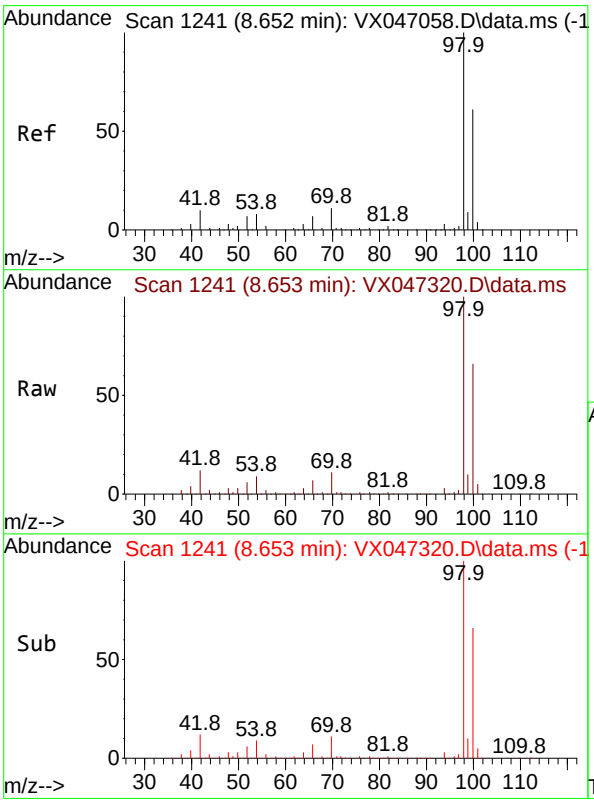
#35
Dibromofluoromethane
Concen: 56.697 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Tgt Ion:113 Resp: 118435

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	124.0
192	18.2	14.9	22.3

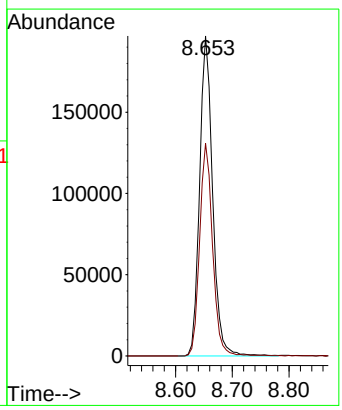


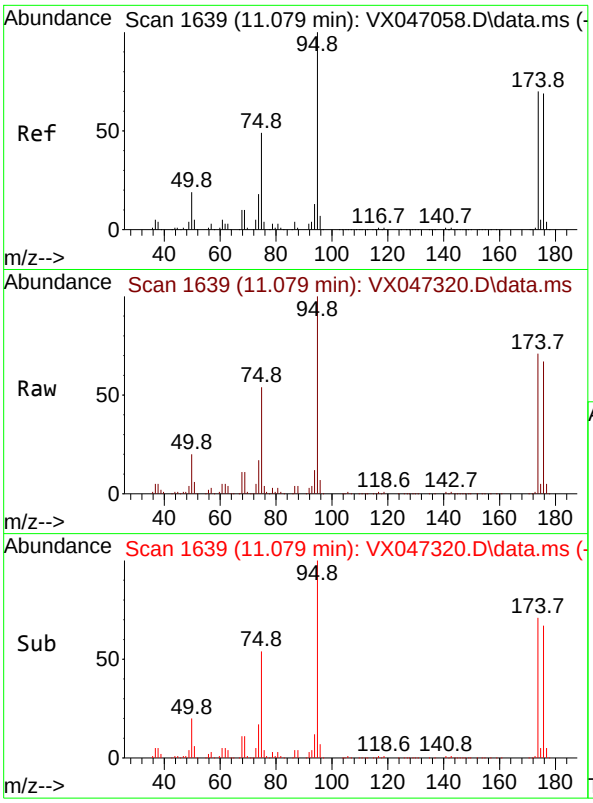


#50
Toluene-d8
Concen: 46.350 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion: 98 Resp: 313555

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9



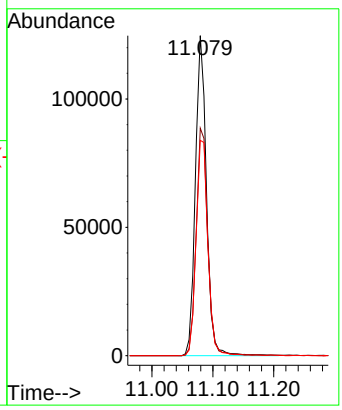


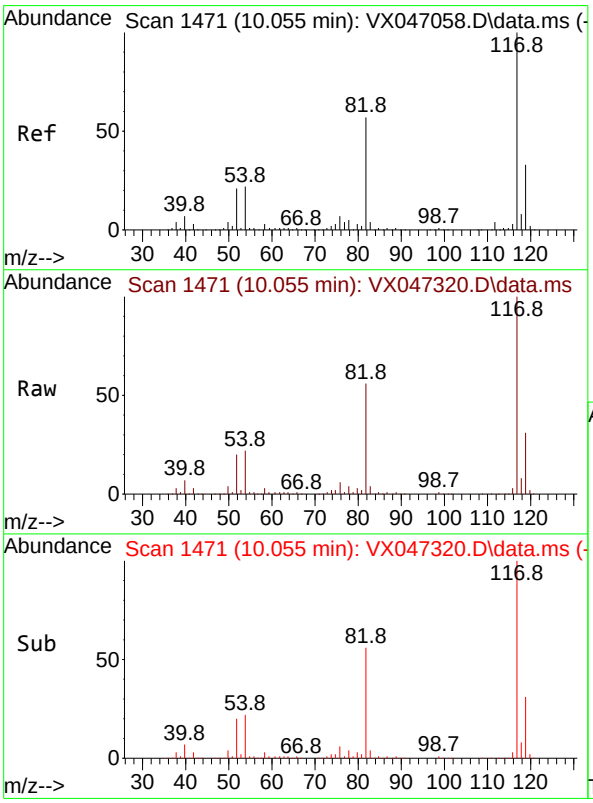
#62
4-Bromofluorobenzene
Concen: 53.814 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Tgt Ion: 95 Resp: 156885

Ion	Ratio	Lower	Upper
95	100		
174	74.4	0.0	144.6
176	72.0	0.0	139.6

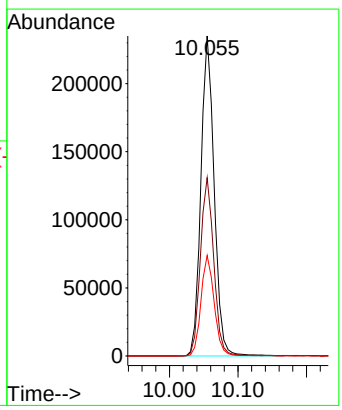


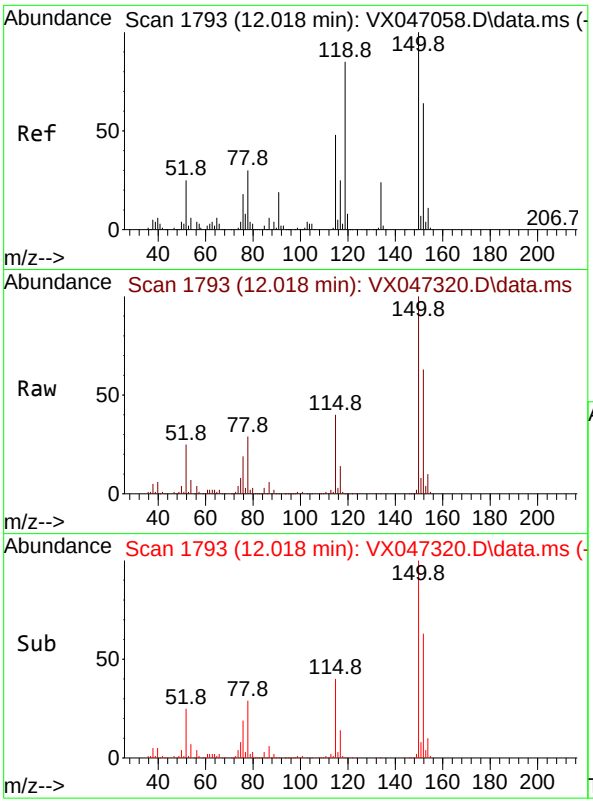


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Tgt Ion:117 Resp: 317215

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.4	68.2
119	31.4	26.1	39.1



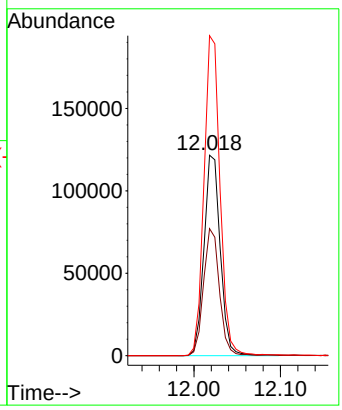


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047320.D
Acq: 13 Aug 2025 14:24

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Tgt Ion:152 Resp: 158976

Ion	Ratio	Lower	Upper
152	100		
115	61.7	45.6	136.7
150	157.6	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047320.D
Acq On : 13 Aug 2025 14:24
Operator : JC/MD
Sample : Q2814-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047320.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.276	25	31	39	rBV	28522	94795	9.50%	1.630%
2	2.398	207	215	220	rBV	5596	11739	1.18%	0.202%
3	5.403	696	708	725	rBV4	120886	389363	39.03%	6.696%
4	5.568	725	735	756	rVB2	177504	553674	55.51%	9.521%
5	5.970	788	801	821	rBV2	127853	379473	38.04%	6.526%
6	6.775	924	933	951	rBV	305717	805200	80.72%	13.846%
7	8.653	1234	1241	1262	rBV	527102	850495	85.26%	14.625%
8	10.055	1465	1471	1489	rBV	717866	981534	98.40%	16.879%
9	11.079	1634	1639	1652	rBV	592249	751447	75.33%	12.922%
10	12.018	1788	1793	1808	rBV	787247	997494	100.00%	17.153%

Sum of corrected areas: 5815214

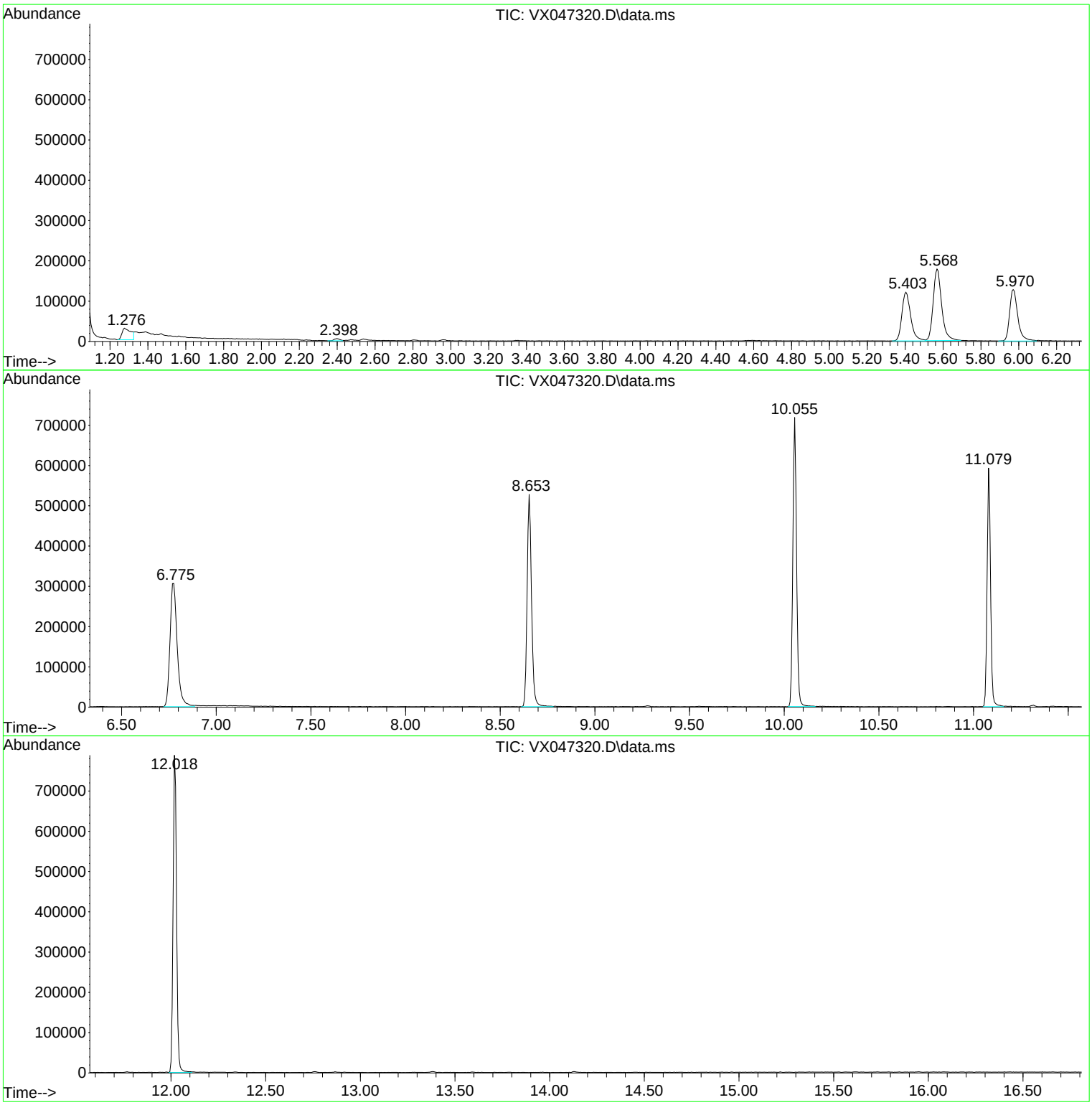
Sample Results: **VX047320.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047320.D
Acq On : 13 Aug 2025 14:24
Operator : JC/MD
Sample : Q2814-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047320.D
Acq On : 13 Aug 2025 14:24
Operator : JC/MD
Sample : Q2814-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

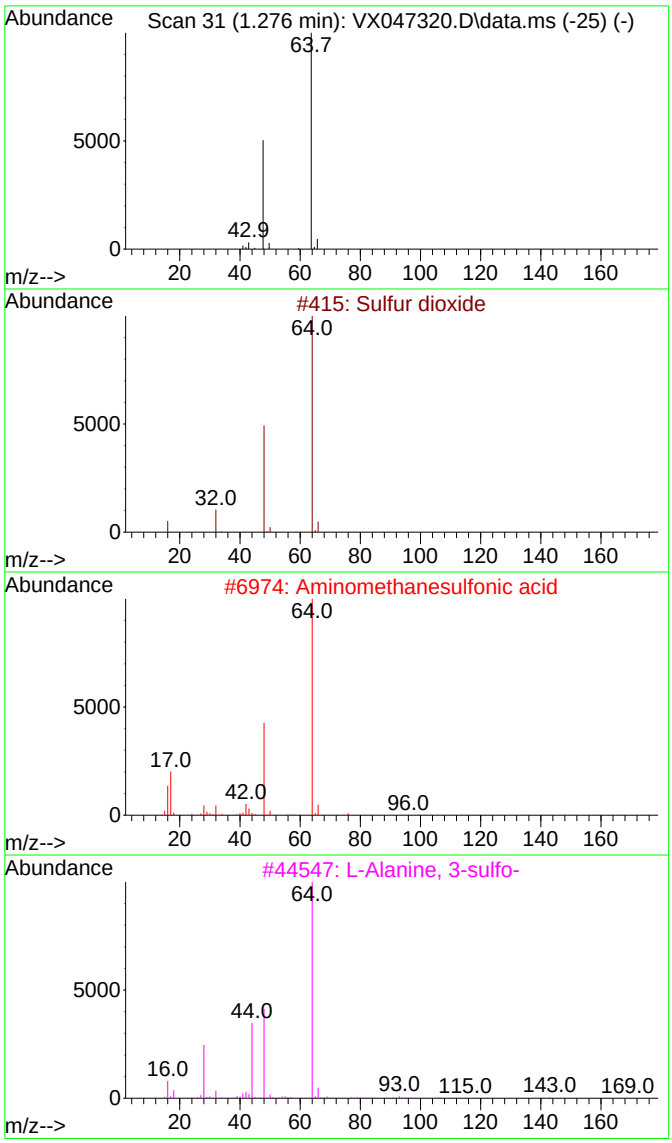
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

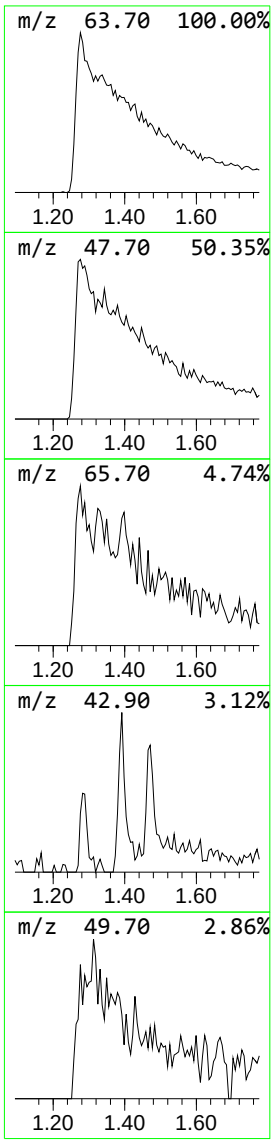
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.276	8.56 ug/l	94795	Pentafluorobenzene	5.568

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	Ethene, 1,2-difluoro-	64	C2H2F2	001691-13-0	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047320.D
Acq On : 13 Aug 2025 14:24
Operator : JC/MD
Sample : Q2814-18
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-N

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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	8.6	ug/l	94795	1	5.568	553674	50.0

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-NRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-18RE	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
VX047344.D	1	08/14/25 17:05	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	7.20		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.50	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-NRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-18RE	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
VX047344.D	1	08/14/25 17:05	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.3		81 - 118		117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		80 - 119		100%	SPK: 50
2037-26-5	Toluene-d8	56.5	*	89 - 112		113%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	239000	5.568				
540-36-3	1,4-Difluorobenzene	456000	6.769				
3114-55-4	Chlorobenzene-d5	448000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	229000	12.018				

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-NRE	SDG No.:	Q2814
Lab Sample ID:	Q2814-18RE	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
VX047344.D	1	08/14/25 17:05	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081425\
Data File : VX047344.D
Acq On : 14 Aug 2025 17:05
Operator : JC/MD
Sample : Q2814-18RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-NRE

Quant Time: Aug 18 01:31:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

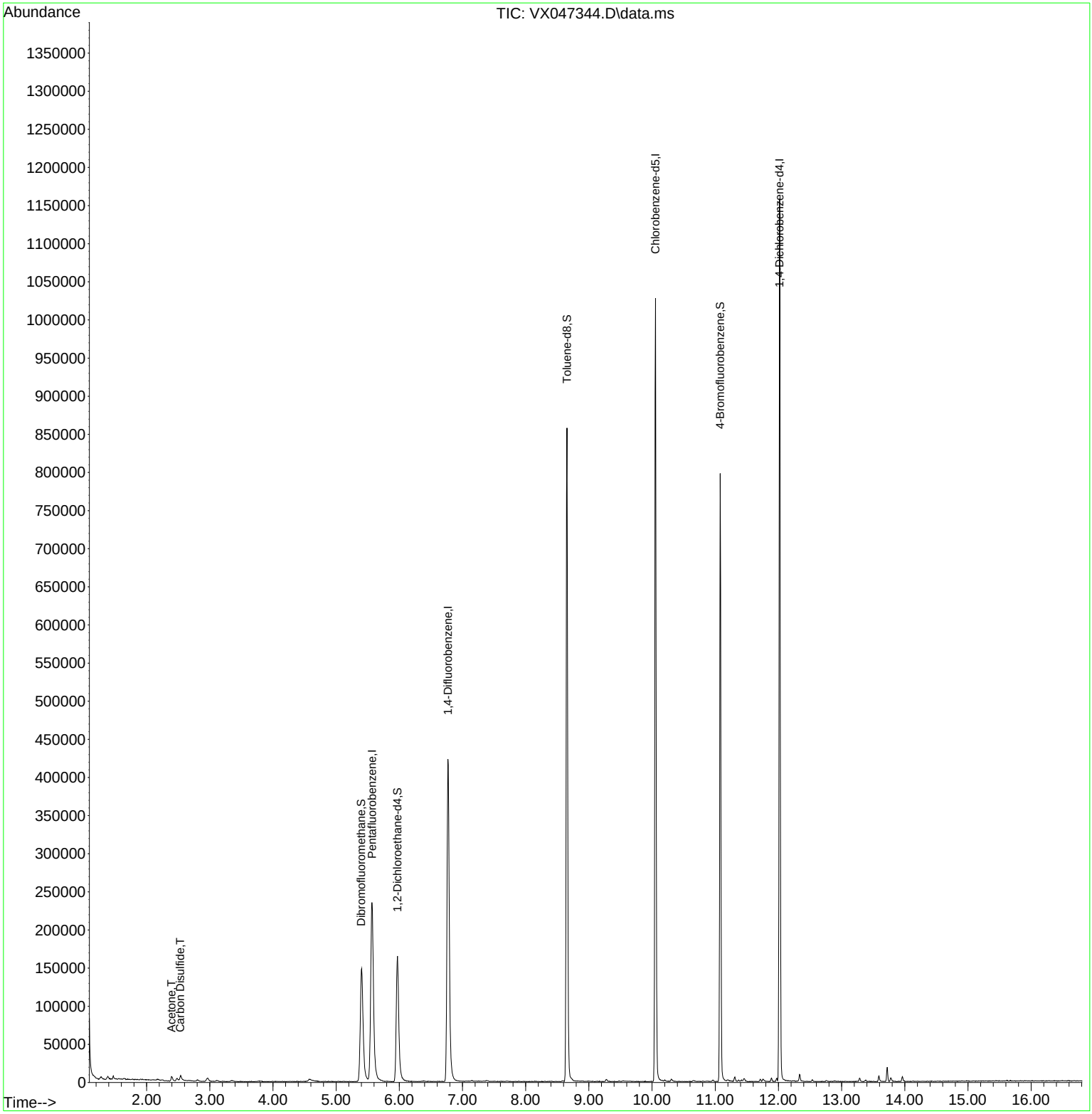
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	238899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	455924	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	448067	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	229471	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	173521	58.308	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.620%			
35) Dibromofluoromethane	5.397	113	140972	50.078	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.160%			
50) Toluene-d8	8.653	98	515123	56.505	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 113.020%#			
62) 4-Bromofluorobenzene	11.079	95	214862	54.691	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 109.380%			
Target Compounds						Qvalue
16) Acetone	2.392	43	8602	7.215	ug/l	99
17) Carbon Disulfide	2.532	76	4367	0.503	ug/l	99

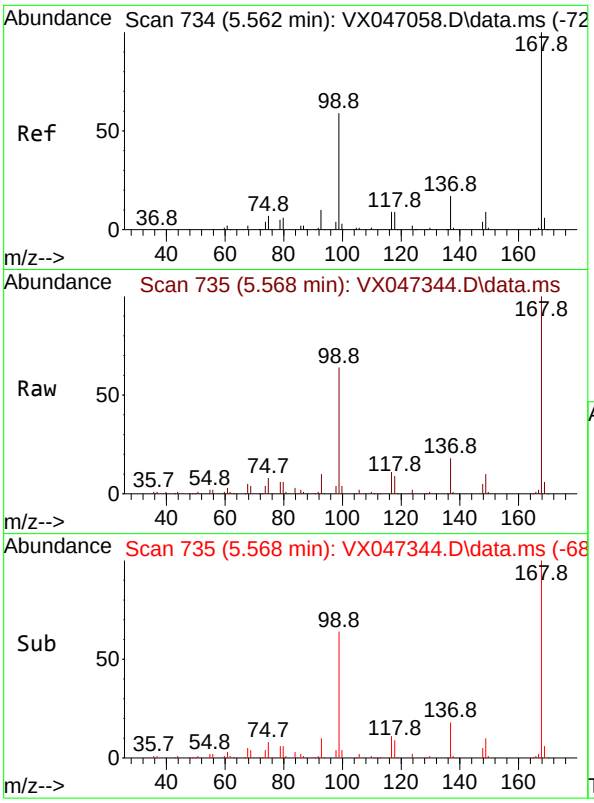
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047344.D
Acq On : 14 Aug 2025 17:05
Operator : JC/MD
Sample : Q2814-18RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-NRE

Quant Time: Aug 18 01:31:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



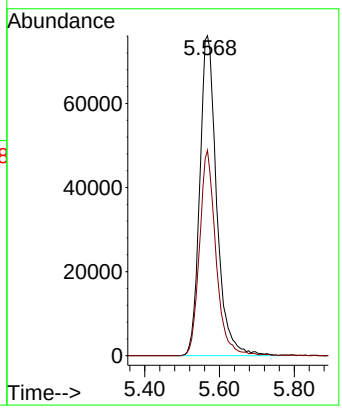


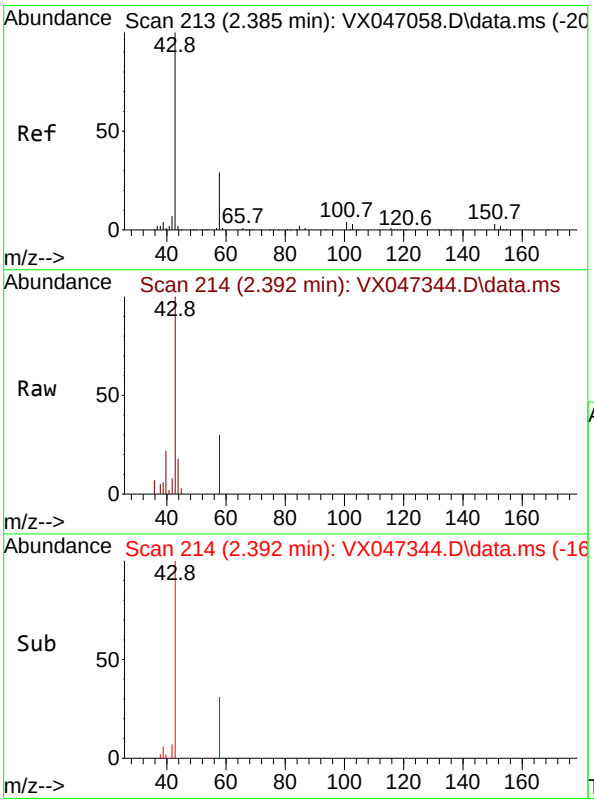
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047344.D
Acq: 14 Aug 2025 17:05

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-NRE

Tgt Ion:168 Resp: 238899

Ion	Ratio	Lower	Upper
168	100		
99	64.2	48.0	72.0

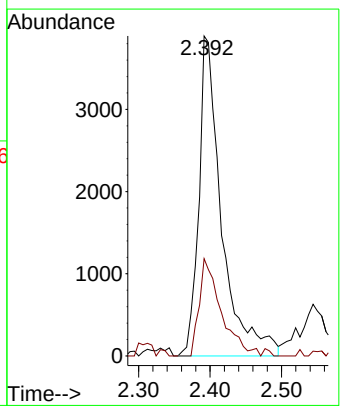


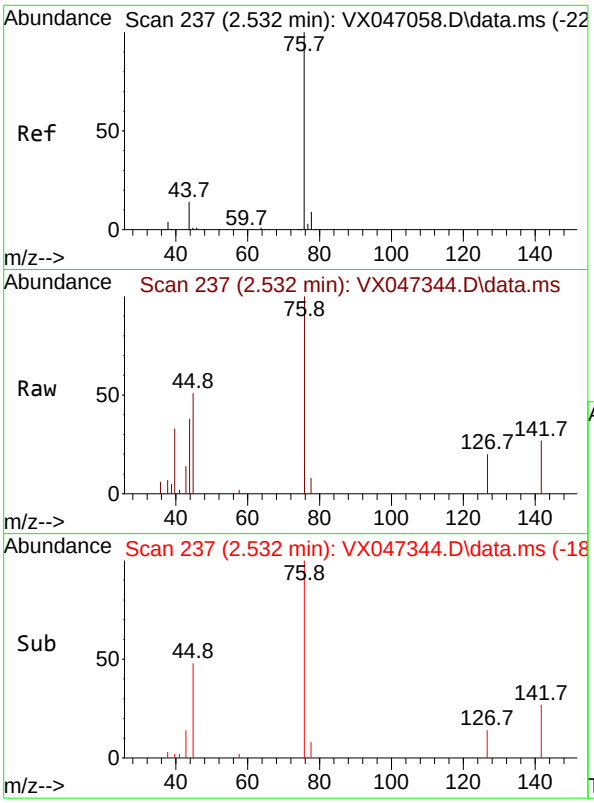


#16
Acetone
Concen: 7.215 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047344.D
Acq: 14 Aug 2025 17:05

Tgt Ion: 43 Resp: 8602

Ion	Ratio	Lower	Upper
43	100		
58	30.4	24.0	36.0



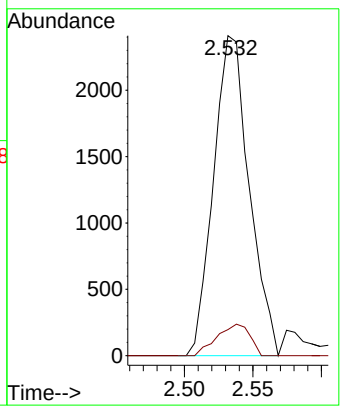


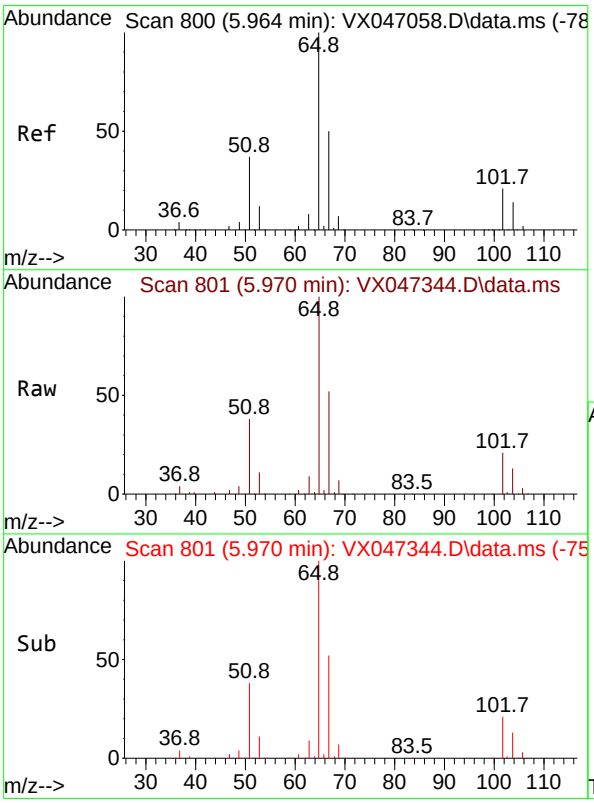
#17
Carbon Disulfide
Concen: 0.503 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047344.D
Acq: 14 Aug 2025 17:05

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-NRE

Tgt Ion: 76 Resp: 4367

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.0	10.4

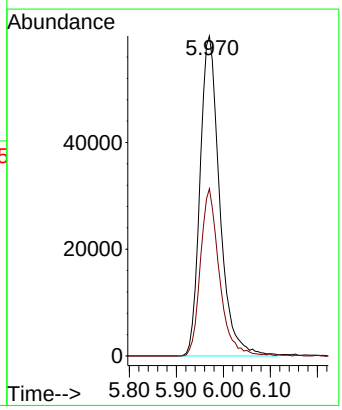


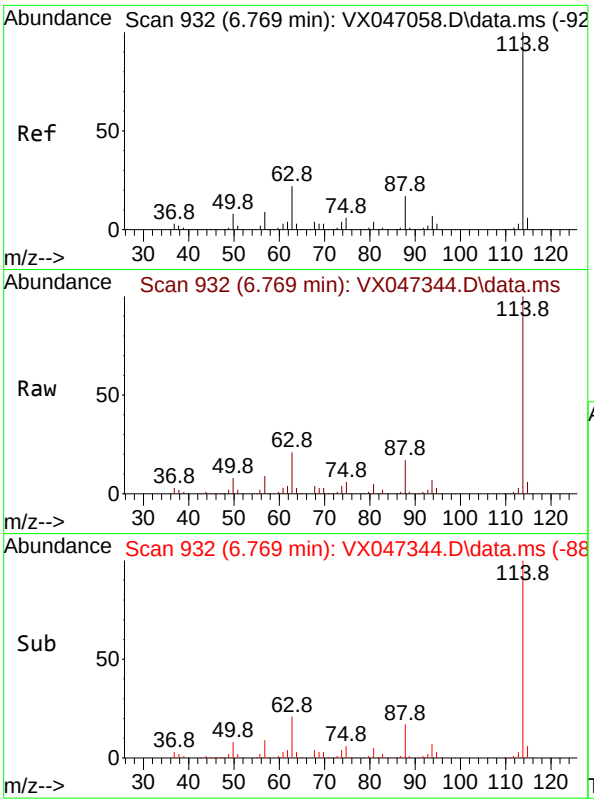


#33
1,2-Dichloroethane-d4
Concen: 58.308 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047344.D
Acq: 14 Aug 2025 17:05

Tgt Ion: 65 Resp: 173521

Ion	Ratio	Lower	Upper
65	100		
67	50.5	0.0	104.8



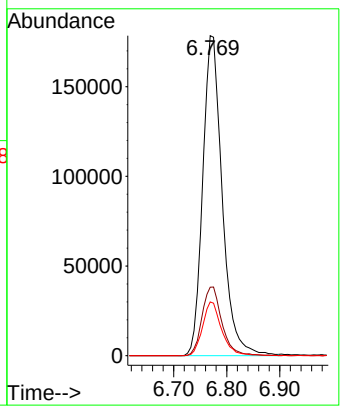


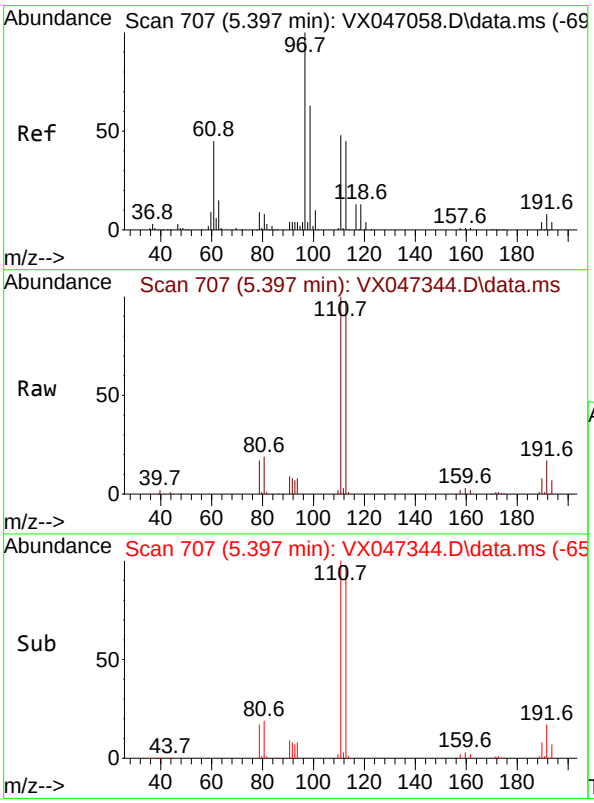
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047344.D
Acq: 14 Aug 2025 17:05

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-NRE

Tgt Ion:114 Resp: 455924

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.2
88	16.8	0.0	33.8

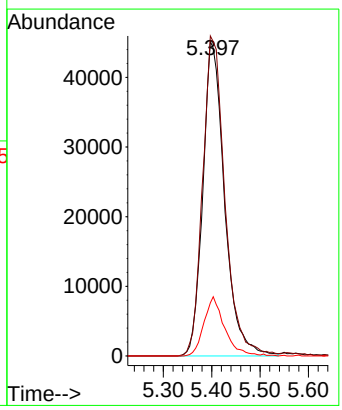


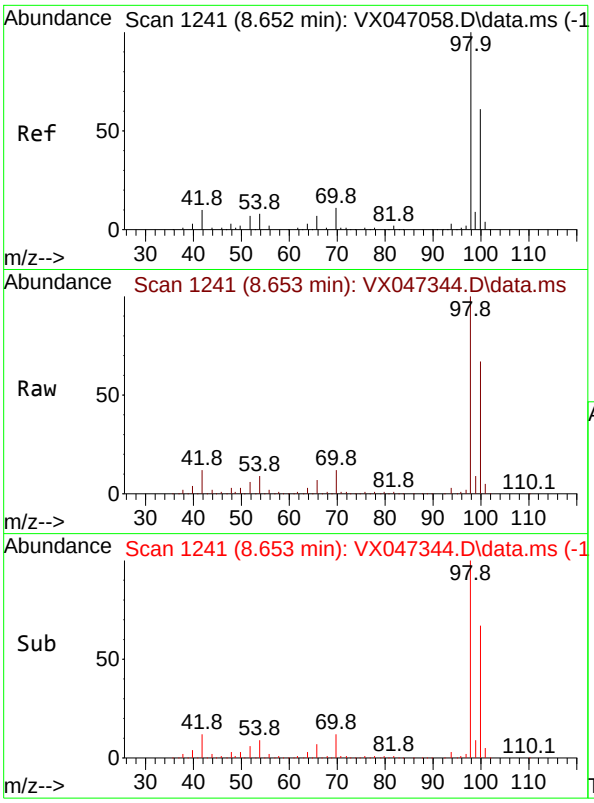


#35
Dibromofluoromethane
Concen: 50.078 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047344.D
Acq: 14 Aug 2025 17:05

Tgt Ion:113 Resp: 140972

Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	124.0
192	17.9	14.9	22.3



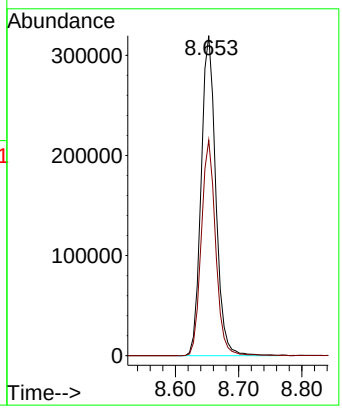


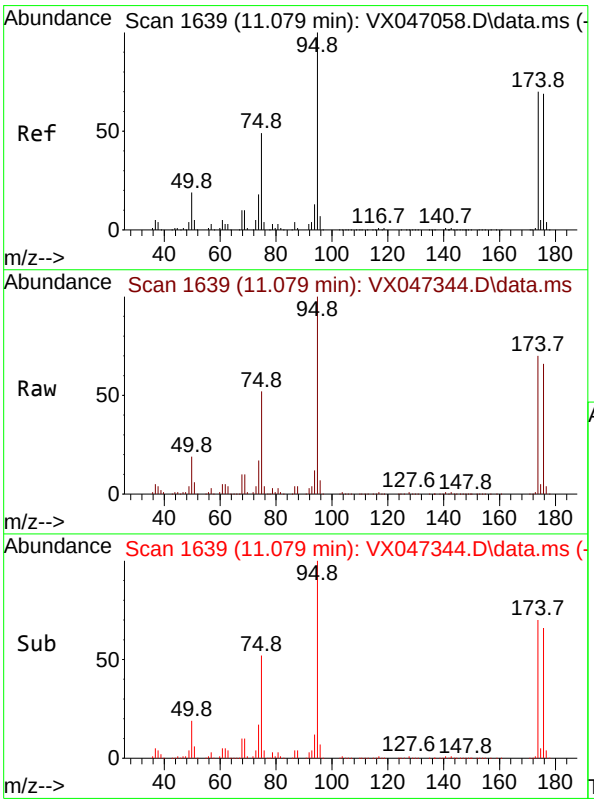
#50
Toluene-d8
Concen: 56.505 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047344.D
Acq: 14 Aug 2025 17:05

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-NRE

Tgt Ion: 98 Resp: 515123

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.3	79.9

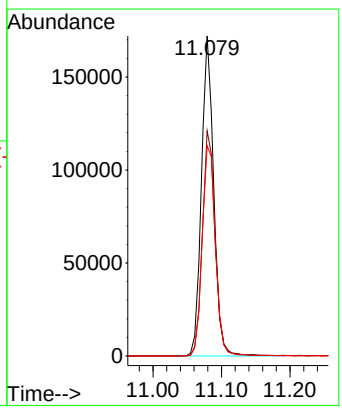


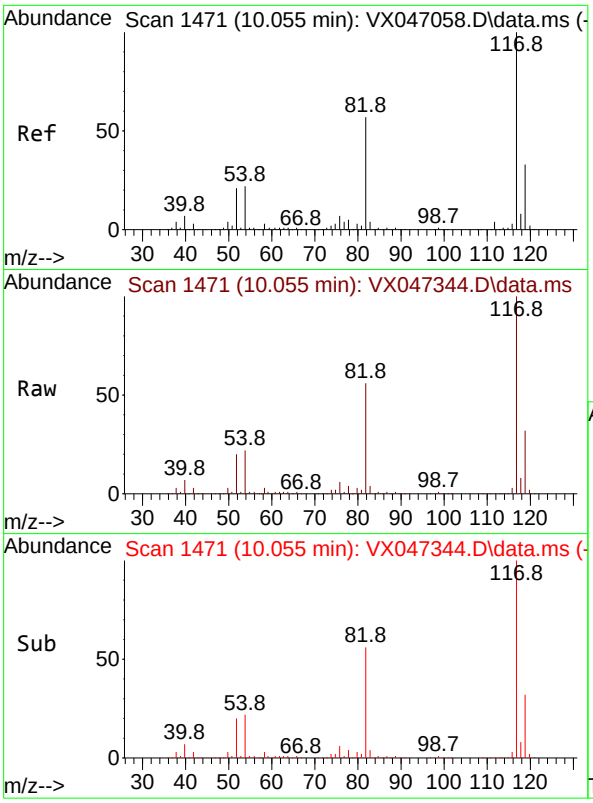


#62
4-Bromofluorobenzene
Concen: 54.691 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047344.D
Acq: 14 Aug 2025 17:05

Tgt Ion: 95 Resp: 214862

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	144.6
176	70.5	0.0	139.6



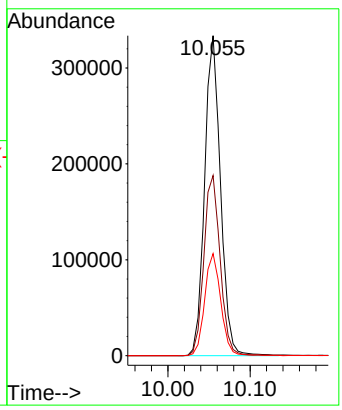


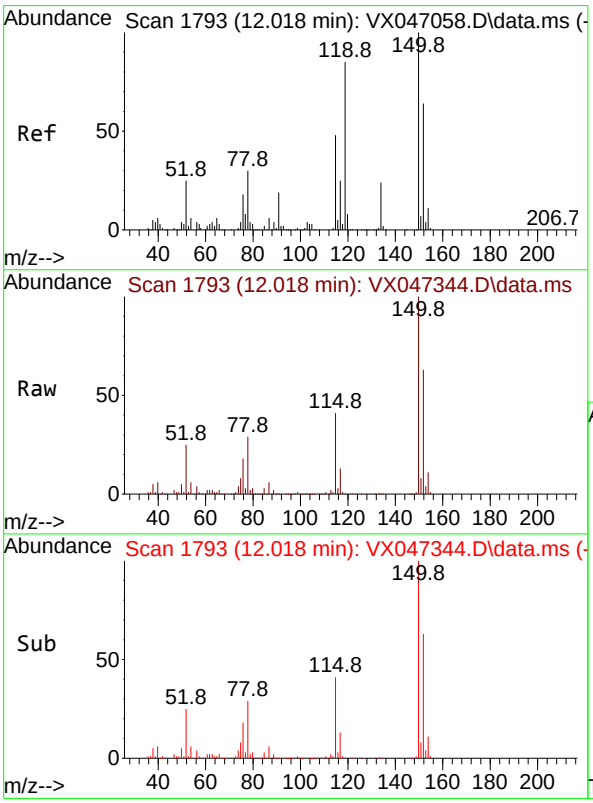
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047344.D
Acq: 14 Aug 2025 17:05

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-NRE

Tgt Ion:117 Resp: 448067

Ion	Ratio	Lower	Upper
117	100		
82	56.3	45.4	68.2
119	31.9	26.1	39.1

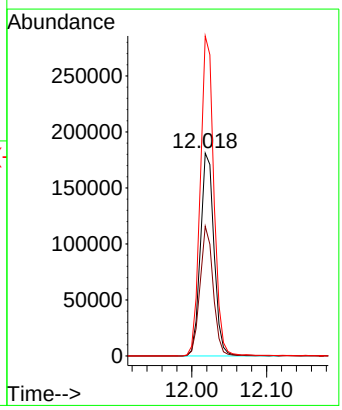




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047344.D
Acq: 14 Aug 2025 17:05

Tgt Ion:152 Resp: 229471

Ion	Ratio	Lower	Upper
152	100		
115	61.9	45.6	136.7
150	157.3	0.0	354.6



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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-19	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
VX047321.D	1	08/13/25 14:45	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	6.40		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	1.70		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.43	J	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-19	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
VX047321.D	1	08/13/25 14:45	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	61.3	*	81 - 118		123%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		80 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	45.6		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	178000	5.568				
540-36-3	1,4-Difluorobenzene	335000	6.775				
3114-55-4	Chlorobenzene-d5	312000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	156000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-E	SDG No.:	Q2814
Lab Sample ID:	Q2814-19	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
VX047321.D	1	08/13/25 14:45	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	210	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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047321.D
Acq On : 13 Aug 2025 14:45
Operator : JC/MD
Sample : Q2814-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Quant Time: Aug 14 03:29:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

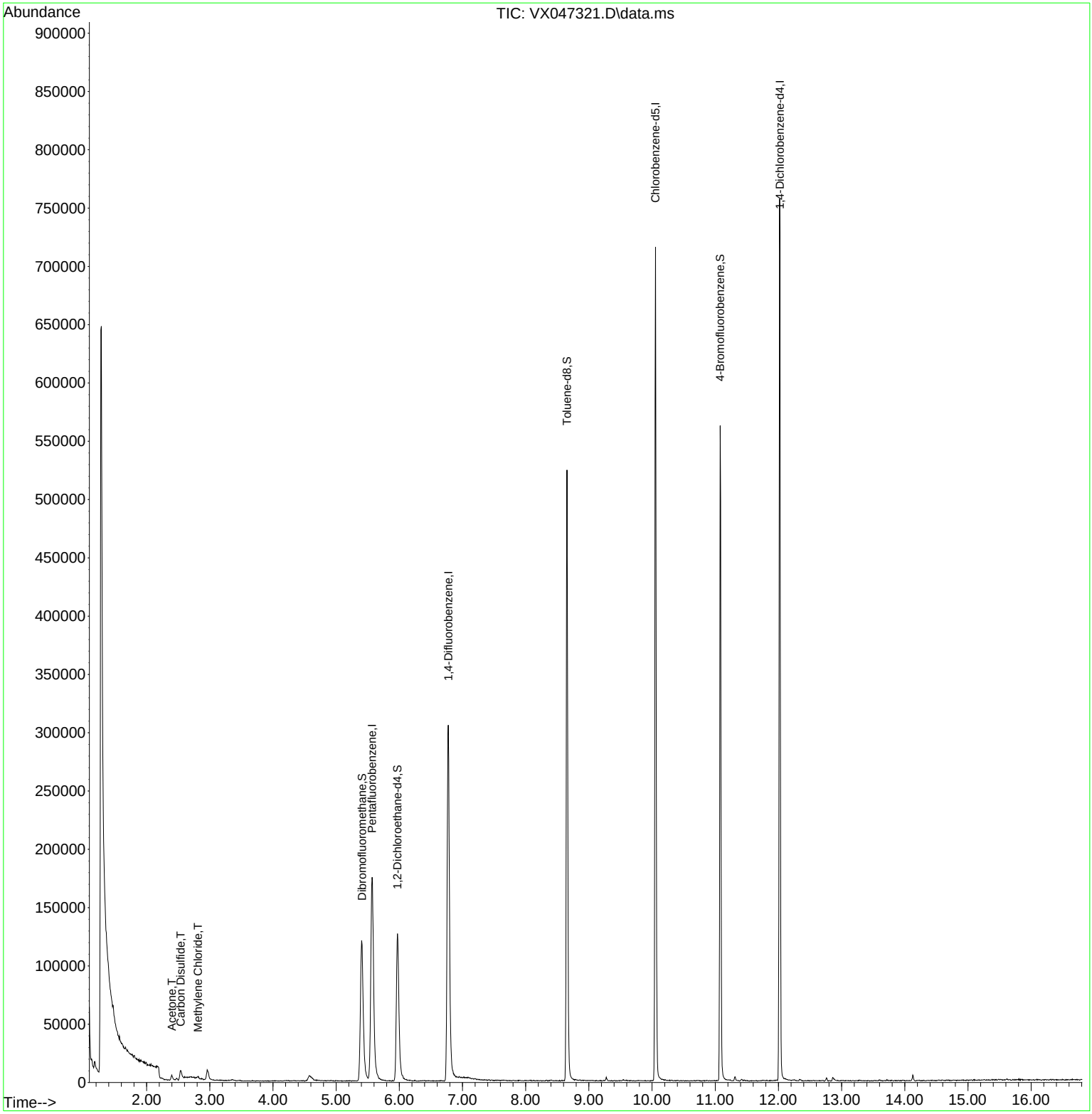
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	178377	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	334539	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	311867	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	156454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	136127	61.263	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 122.520%#			
35) Dibromofluoromethane	5.409	113	115028	55.689	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.380%			
50) Toluene-d8	8.653	98	305174	45.622	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.240%#			
62) 4-Bromofluorobenzene	11.079	95	153657	53.303	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.600%			
Target Compounds						Qvalue
16) Acetone	2.398	43	5723	6.429	ug/l	99
17) Carbon Disulfide	2.538	76	11132	1.717	ug/l	95
20) Methylene Chloride	2.812	84	1044	0.426	ug/l	91

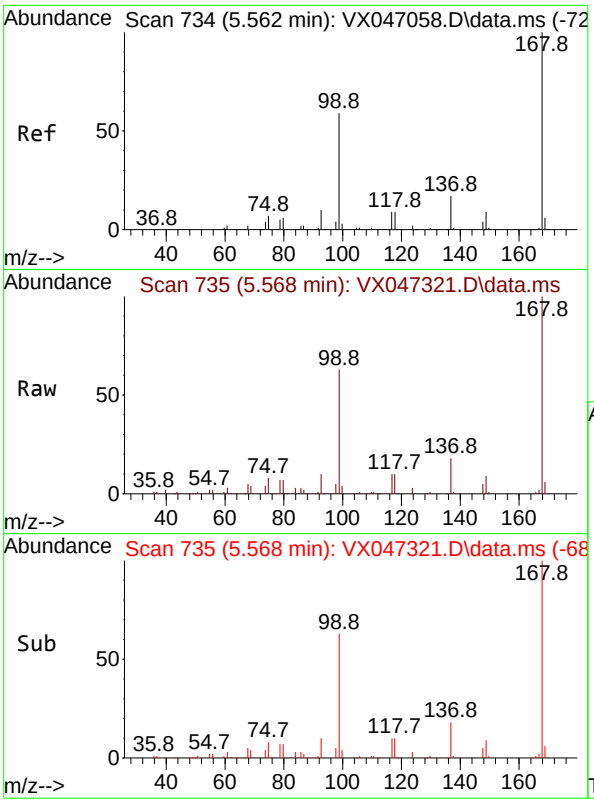
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047321.D
Acq On : 13 Aug 2025 14:45
Operator : JC/MD
Sample : Q2814-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Quant Time: Aug 14 03:29:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



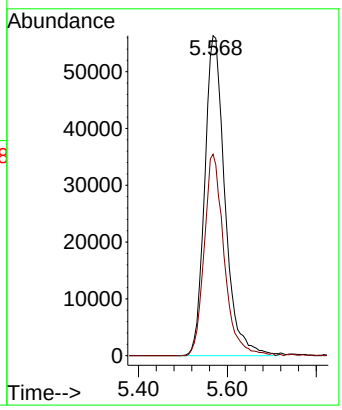


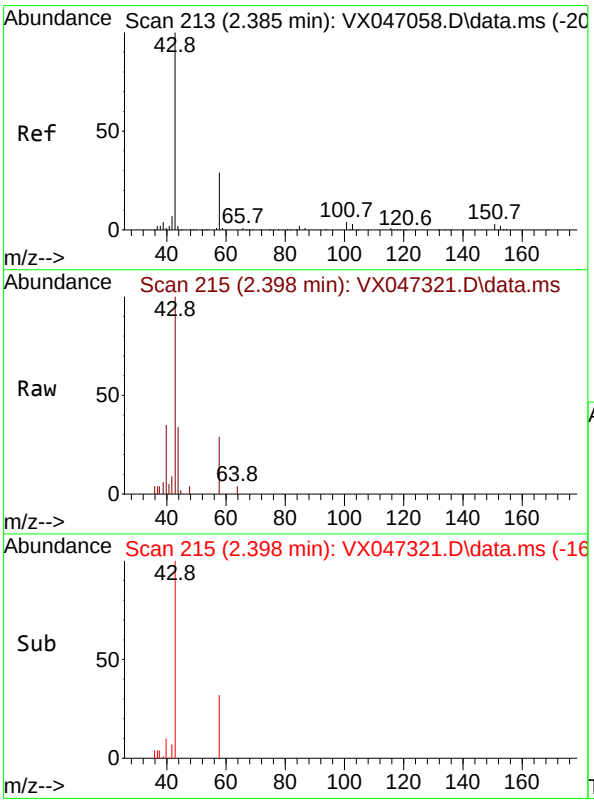
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Tgt Ion:168 Resp: 178377

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.0	72.0

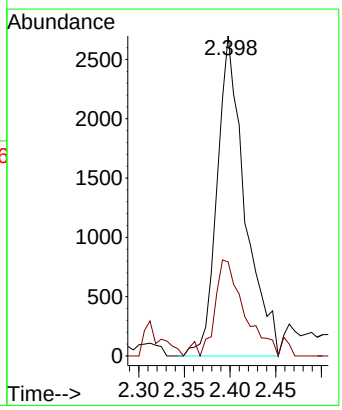


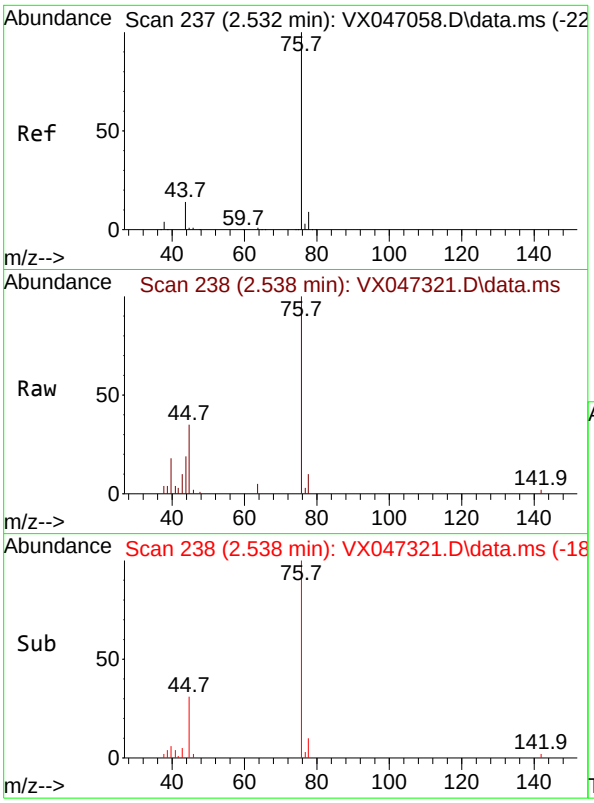


#16
Acetone
Concen: 6.429 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.012 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion: 43 Resp: 5723

Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.0	36.0



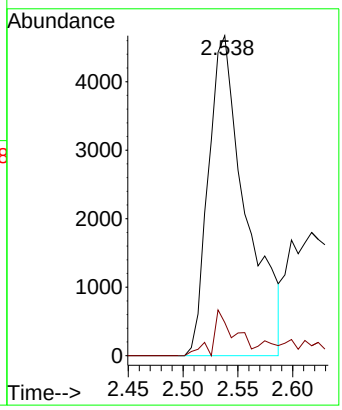


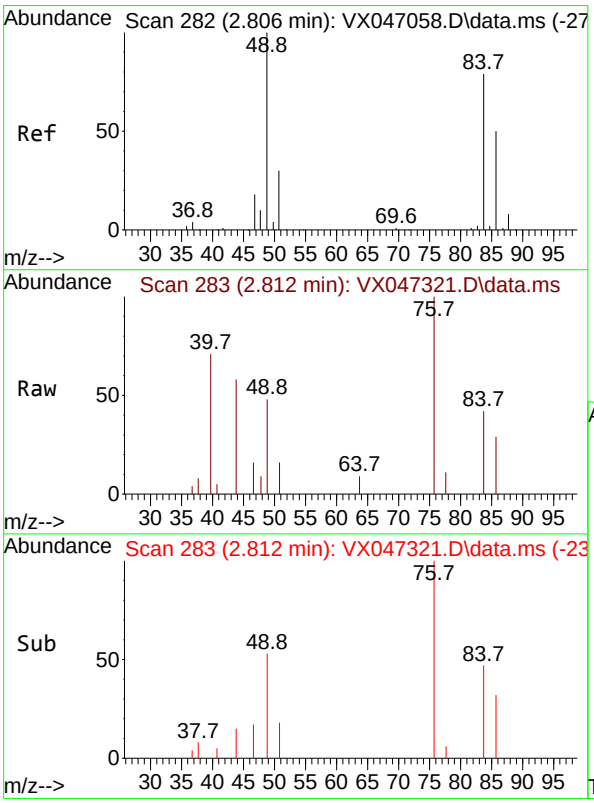
#17
Carbon Disulfide
Concen: 1.717 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Tgt Ion: 76 Resp: 11132

Ion	Ratio	Lower	Upper
76	100		
78	10.4	7.0	10.4

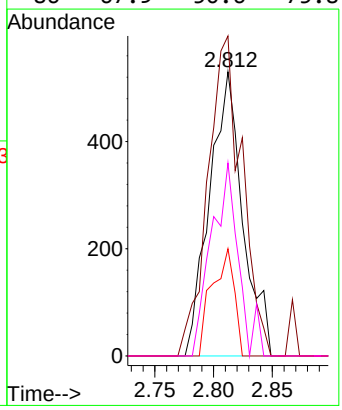


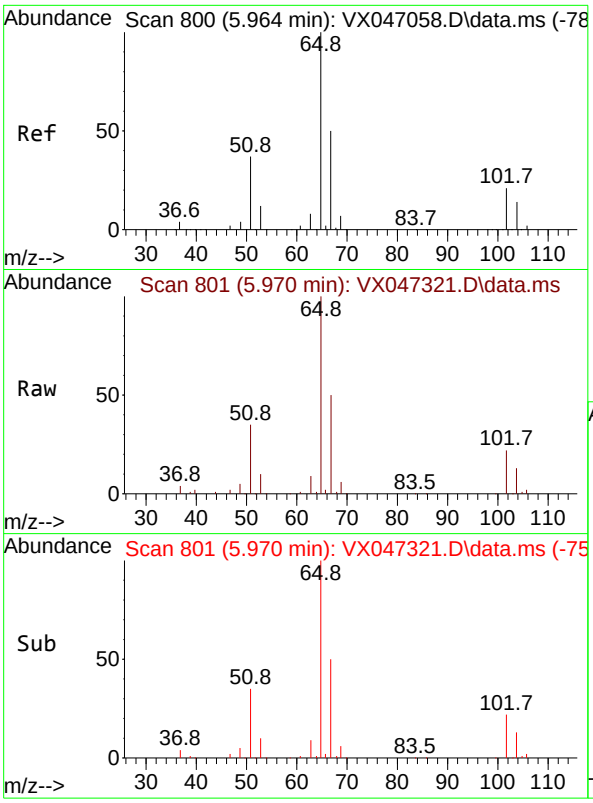


#20
Methylene Chloride
Concen: 0.426 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion: 84 Resp: 1044

Ion	Ratio	Lower	Upper
84	100		
49	112.6	101.6	152.4
51	37.7	30.3	45.5
86	67.9	50.6	75.8



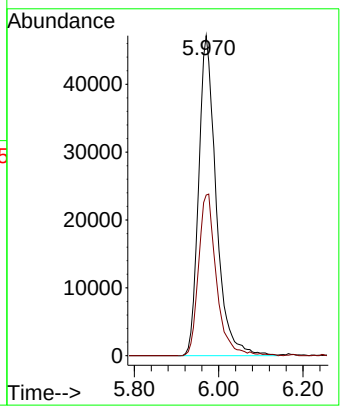


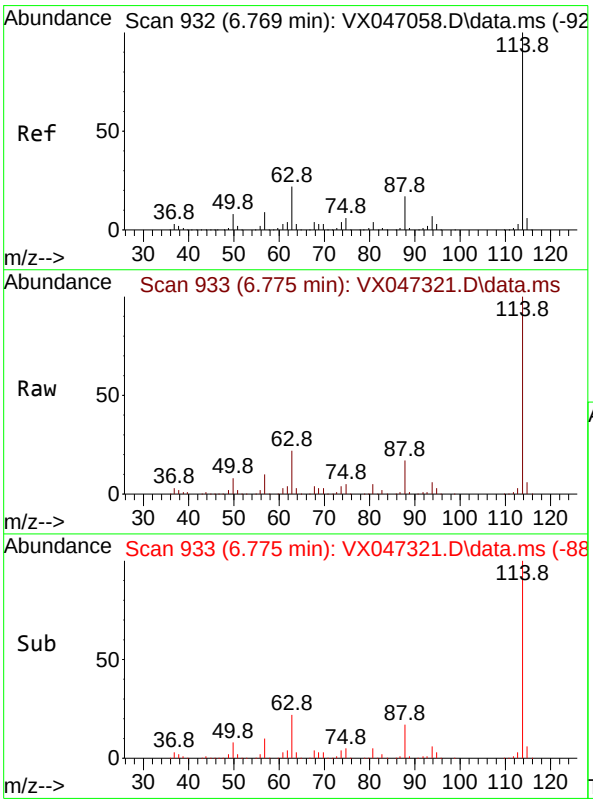
#33
1,2-Dichloroethane-d4
Concen: 61.263 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Tgt Ion: 65 Resp: 136127

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	104.8

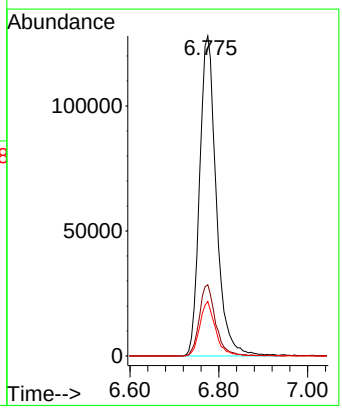


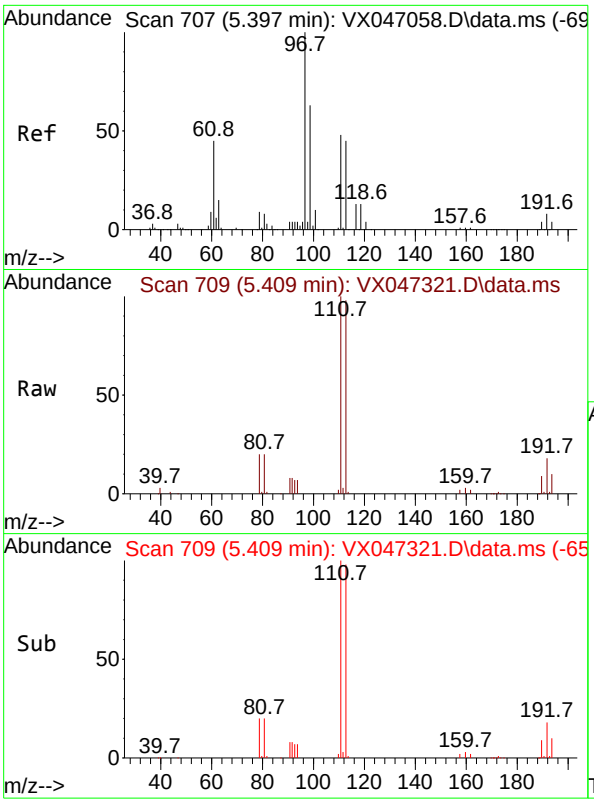


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion:114 Resp: 334539

Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.2
88	17.1	0.0	33.8



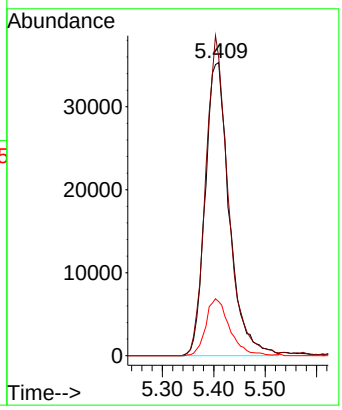


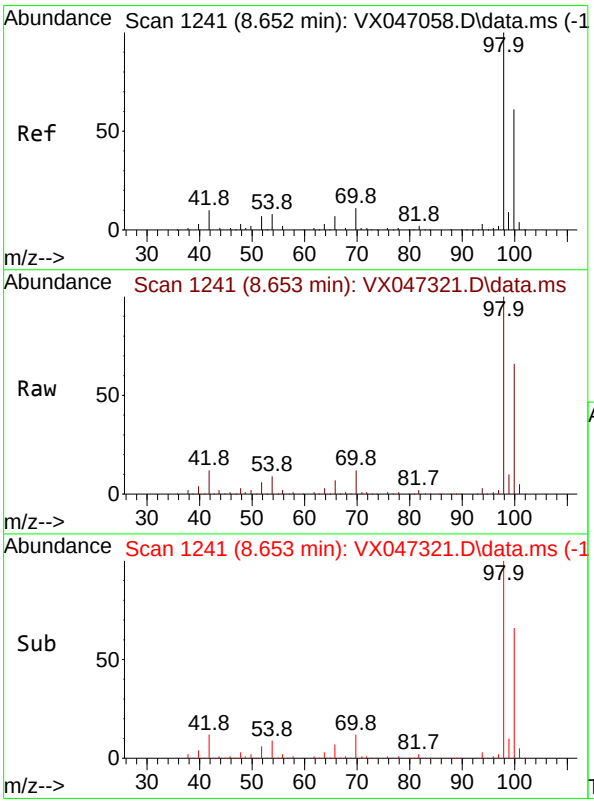
#35
Dibromofluoromethane
Concen: 55.689 ug/l
RT: 5.409 min Scan# 7
Delta R.T. 0.012 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Tgt Ion:113 Resp: 115028

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.6	124.0
192	19.2	14.9	22.3

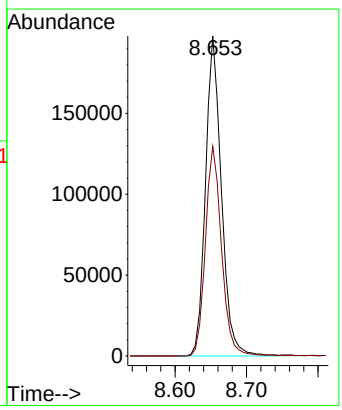


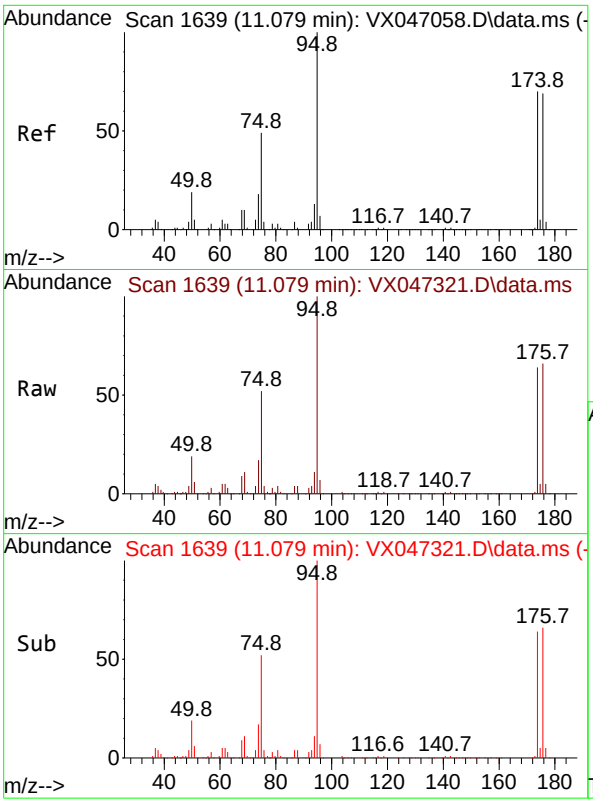


#50
Toluene-d8
Concen: 45.622 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion: 98 Resp: 305174

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9



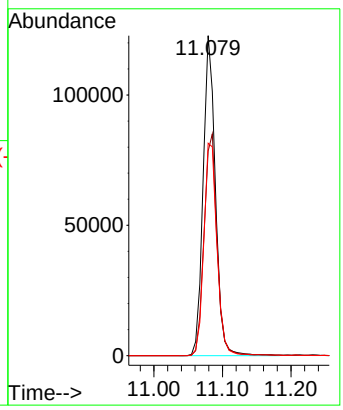


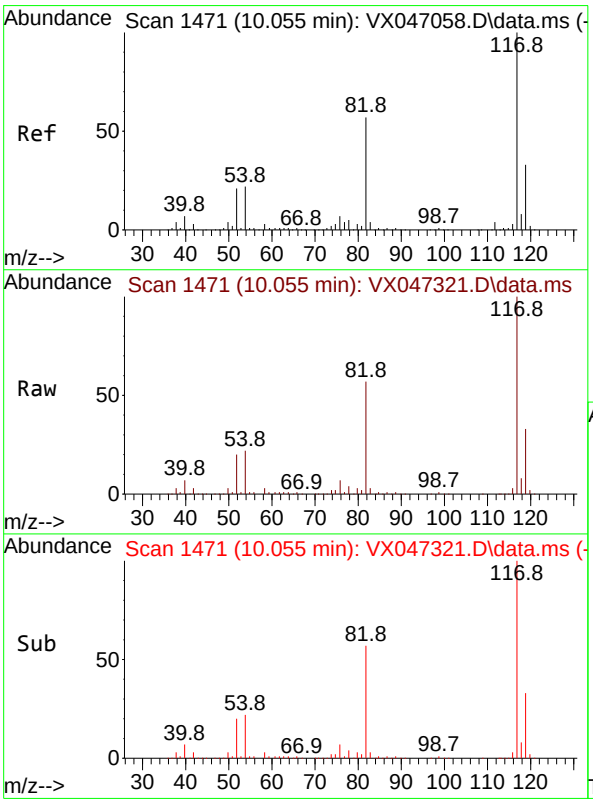
#62
4-Bromofluorobenzene
Concen: 53.303 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Tgt Ion: 95 Resp: 153657

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	144.6
176	71.1	0.0	139.6

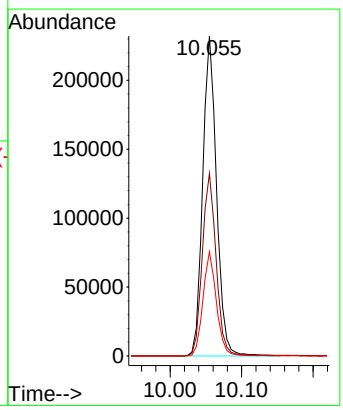


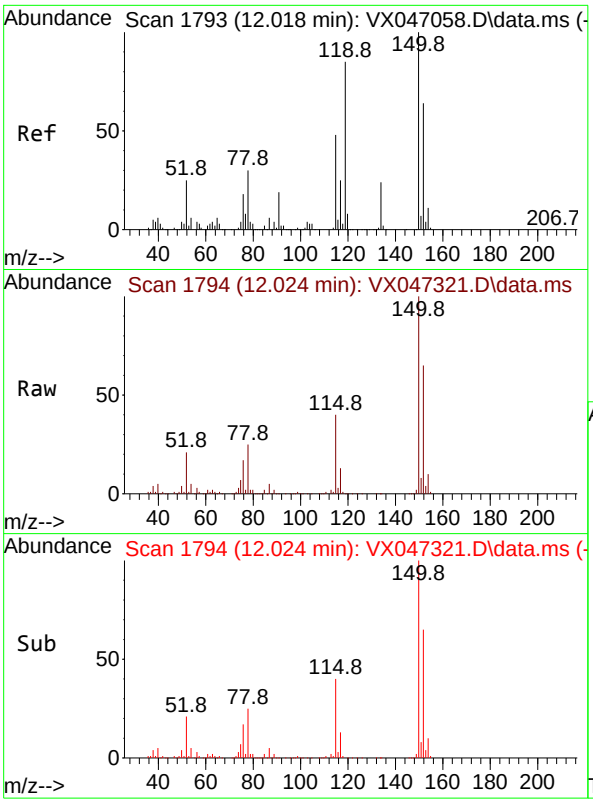


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Tgt Ion:117 Resp: 311867

Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.4	68.2
119	32.5	26.1	39.1



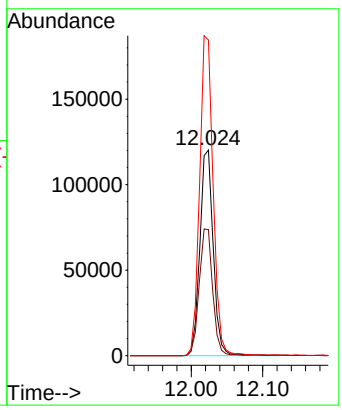


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047321.D
Acq: 13 Aug 2025 14:45

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Tgt Ion:152 Resp: 156454

Ion	Ratio	Lower	Upper
152	100		
115	62.1	45.6	136.7
150	156.7	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047321.D
Acq On : 13 Aug 2025 14:45
Operator : JC/MD
Sample : Q2814-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047321.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.282	26	32	61	rBV	639725	2287181	100.00%	28.941%
2	2.538	232	238	247	rBV5	8410	23774	1.04%	0.301%
3	5.403	696	708	725	rBV2	120590	381964	16.70%	4.833%
4	5.568	725	735	753	rVB	173034	539975	23.61%	6.833%
5	5.970	791	801	814	rBV	126384	364672	15.94%	4.614%
6	6.775	922	933	952	rBV	305443	802119	35.07%	10.150%
7	8.653	1235	1241	1257	rBV	523775	828754	36.23%	10.487%
8	10.055	1465	1471	1488	rBV	714753	972134	42.50%	12.301%
9	11.079	1634	1639	1650	rBV	561668	725721	31.73%	9.183%
10	12.018	1788	1793	1804	rBV	756173	976666	42.70%	12.358%

Sum of corrected areas: 7902960

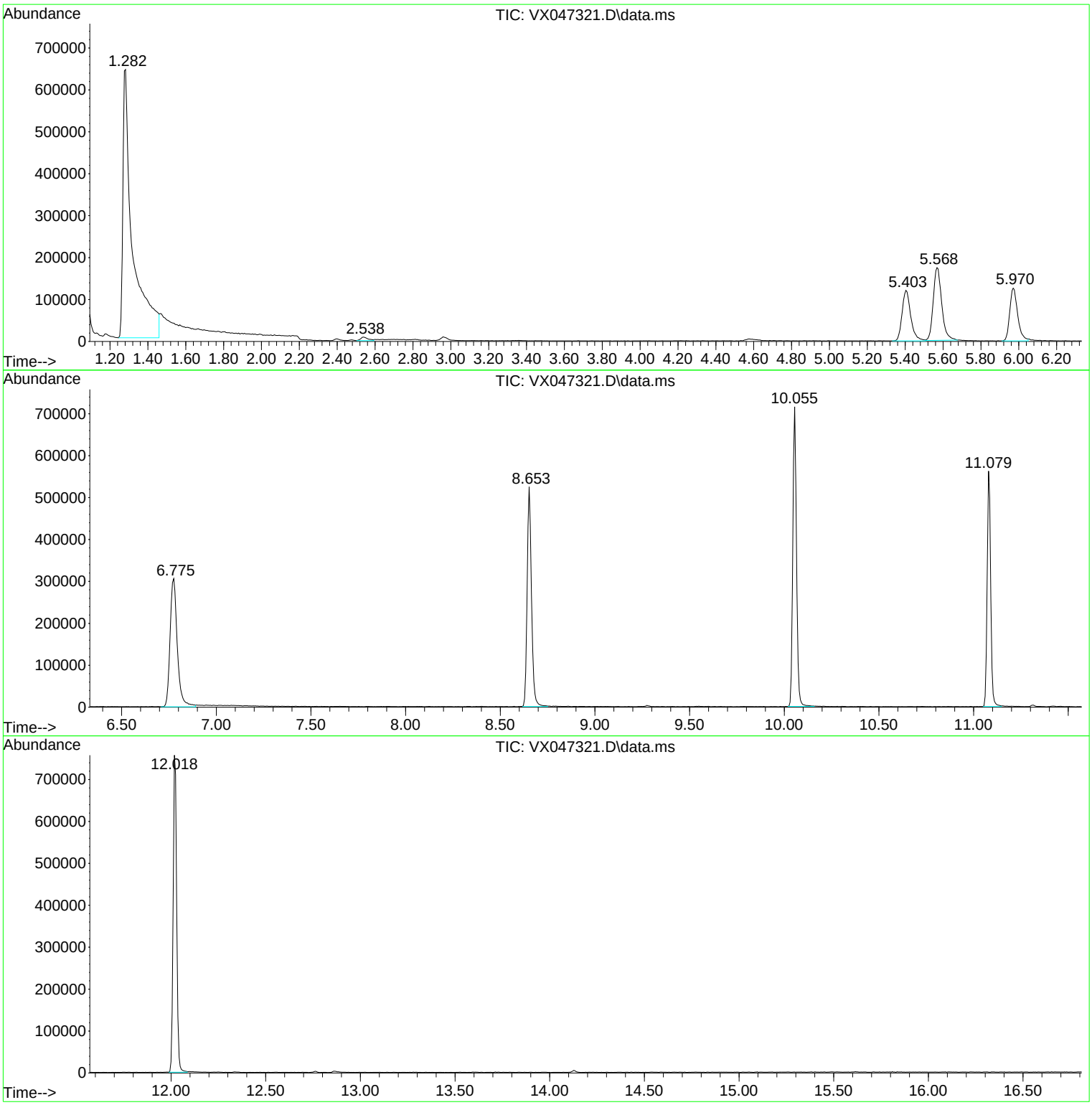
Sample Results: **VX047321.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047321.D
Acq On : 13 Aug 2025 14:45
Operator : JC/MD
Sample : Q2814-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047321.D
Acq On : 13 Aug 2025 14:45
Operator : JC/MD
Sample : Q2814-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

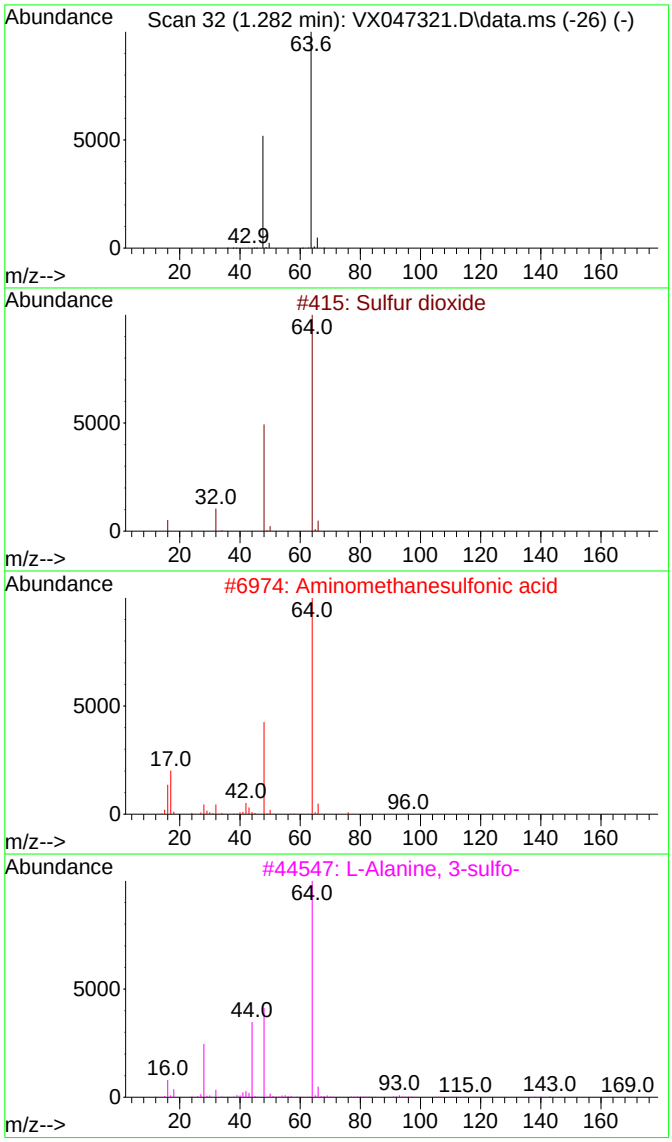
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

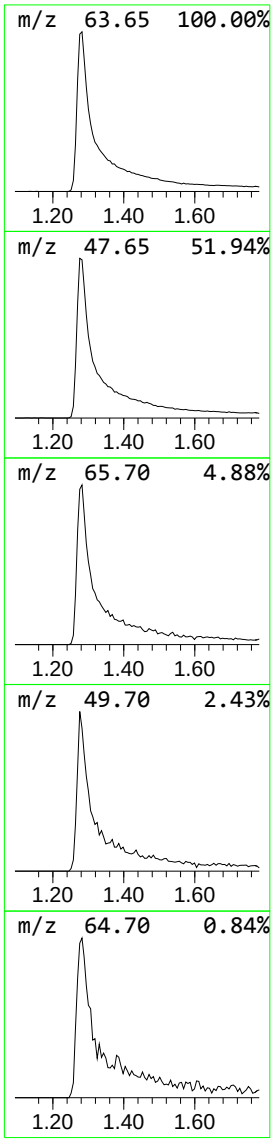
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.282	211.79 ug/l	2287180	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\VX081325\
Data File : VX047321.D
Acq On : 13 Aug 2025 14:45
Operator : JC/MD
Sample : Q2814-19
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-E

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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	1.282	211.8	ug/l	2287180	1	5.568	539975	50.0

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-ERE	SDG No.:	Q2814
Lab Sample ID:	Q2814-19RE	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
VX047345.D	1	08/14/25 17:26	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	5.20		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	1.90		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-ERE	SDG No.:	Q2814
Lab Sample ID:	Q2814-19RE	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
VX047345.D	1	08/14/25 17:26	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	59.5	*	81 - 118		119%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	54.3		89 - 112		109%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		85 - 114		108%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	230000	5.568				
540-36-3	1,4-Difluorobenzene	444000	6.775				
3114-55-4	Chlorobenzene-d5	448000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	232000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-ERE	SDG No.:	Q2814
Lab Sample ID:	Q2814-19RE	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
VX047345.D	1	08/14/25 17:26	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081425\
Data File : VX047345.D
Acq On : 14 Aug 2025 17:26
Operator : JC/MD
Sample : Q2814-19RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-ERE

Quant Time: Aug 18 01:31:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

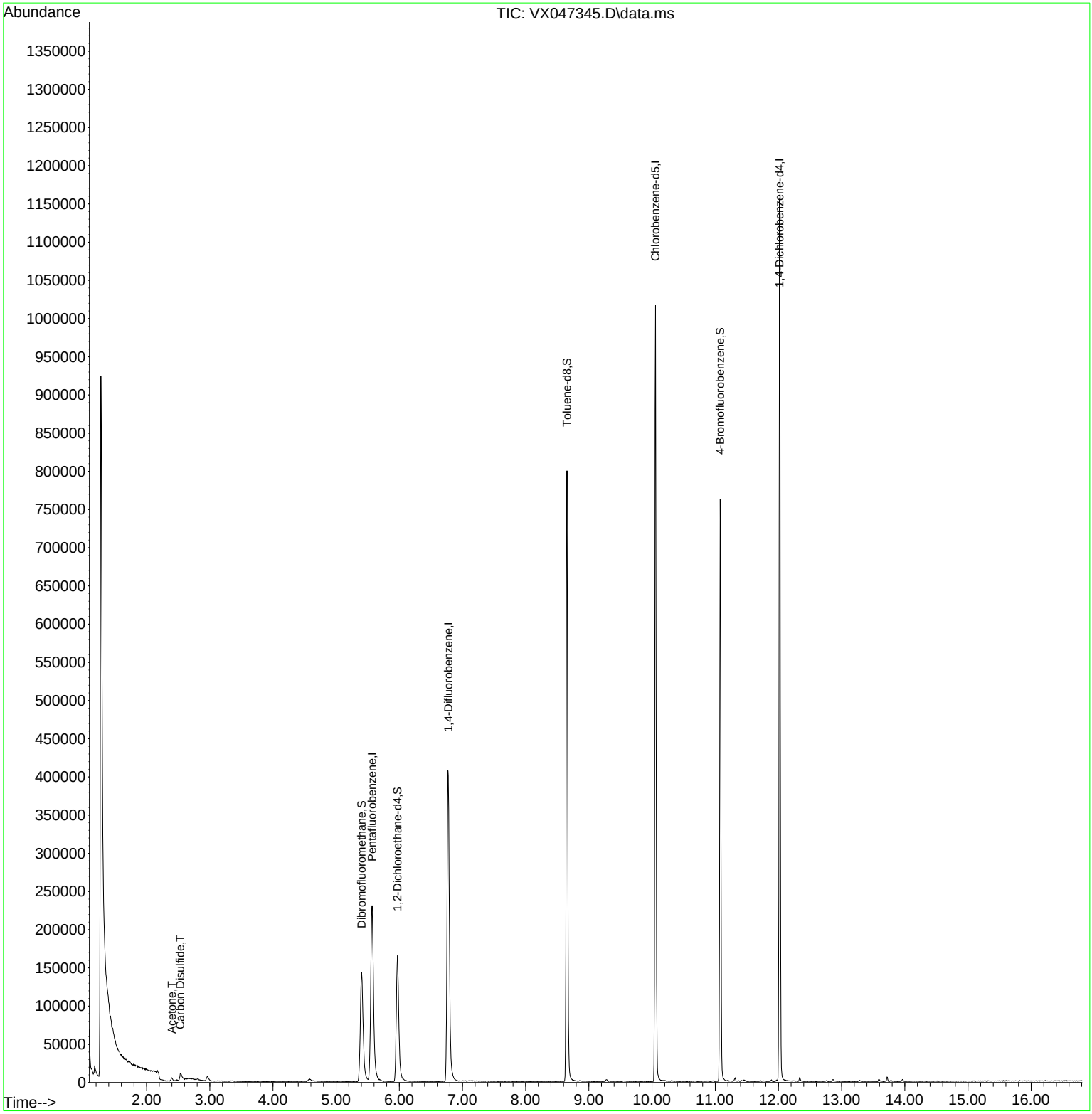
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	230467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	443658	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	448334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	231965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	170697	59.458	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.920%#			
35) Dibromofluoromethane	5.403	113	135809	49.578	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.160%			
50) Toluene-d8	8.653	98	481532	54.281	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.560%			
62) 4-Bromofluorobenzene	11.079	95	207062	54.163	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.320%			
Target Compounds						Qvalue
16) Acetone	2.398	43	5950	5.174	ug/l #	87
17) Carbon Disulfide	2.532	76	16077	1.919	ug/l #	91

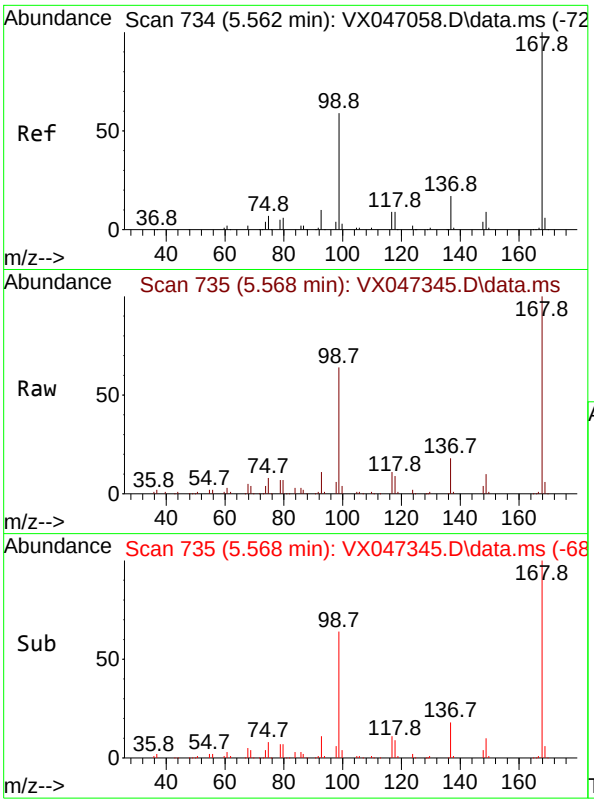
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047345.D
Acq On : 14 Aug 2025 17:26
Operator : JC/MD
Sample : Q2814-19RE
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-ERE

Quant Time: Aug 18 01:31:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



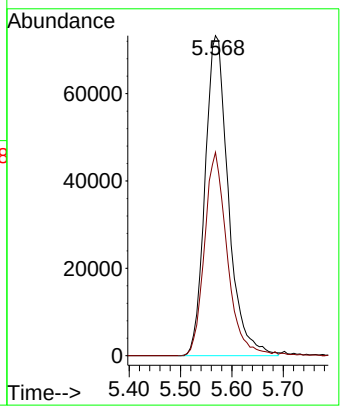


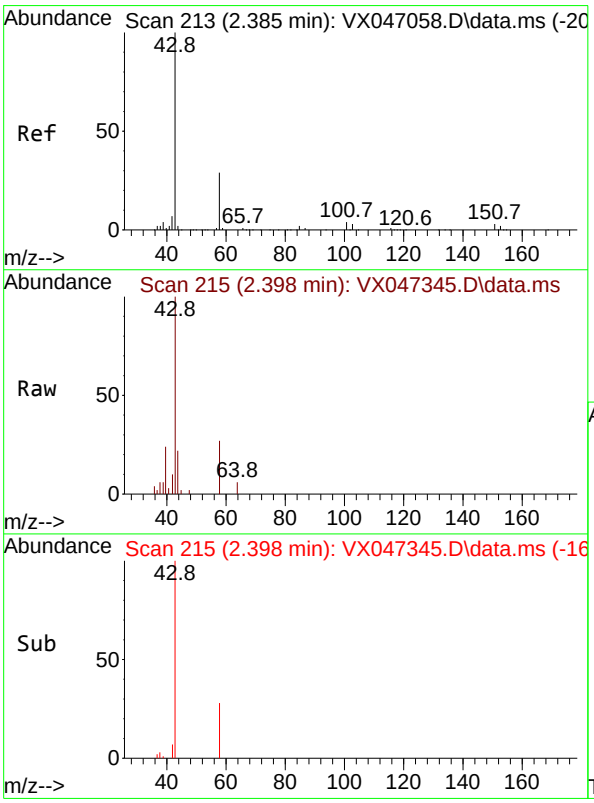
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047345.D
Acq: 14 Aug 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-ERE

Tgt Ion:168 Resp: 230467

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.0	72.0

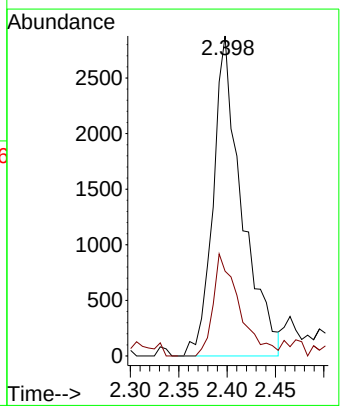


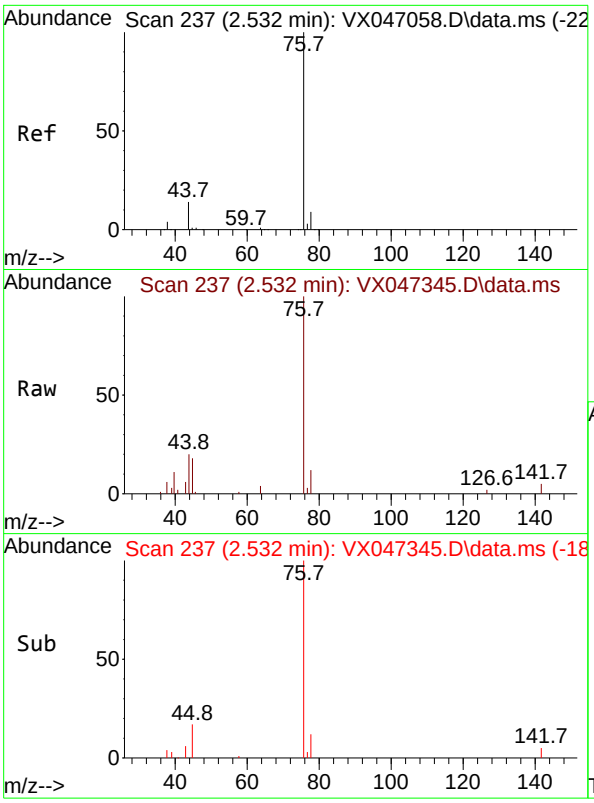


#16
Acetone
Concen: 5.174 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047345.D
Acq: 14 Aug 2025 17:26

Tgt Ion: 43 Resp: 5950

Ion	Ratio	Lower	Upper
43	100		
58	23.1	24.0	36.0#



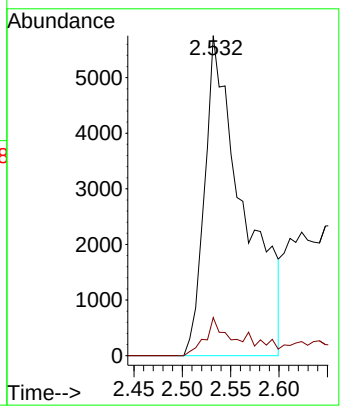


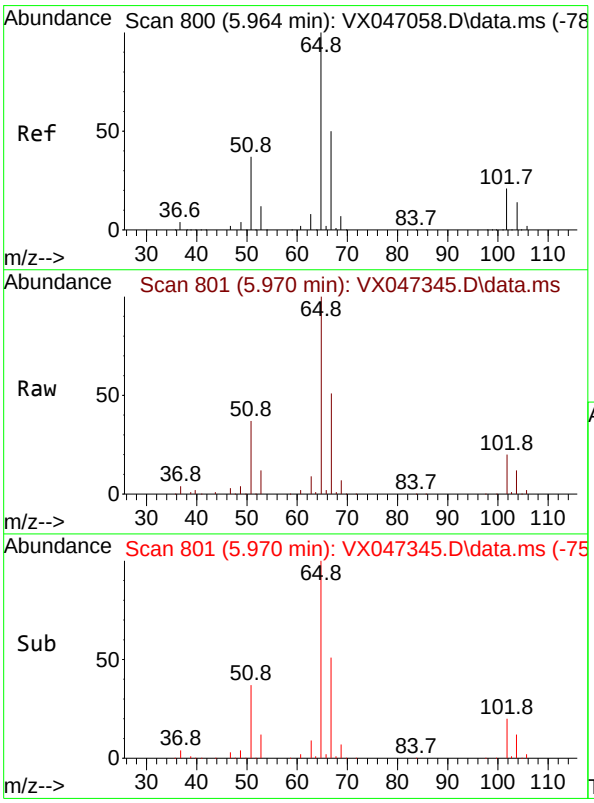
#17
Carbon Disulfide
Concen: 1.919 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047345.D
Acq: 14 Aug 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-ERE

Tgt Ion: 76 Resp: 16077

Ion	Ratio	Lower	Upper
76	100		
78	11.9	7.0	10.4#

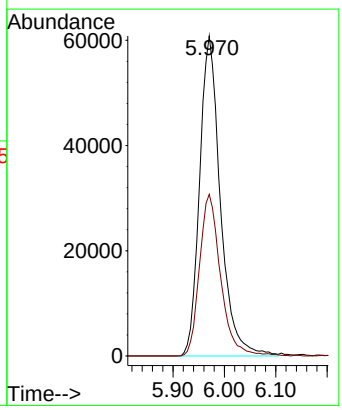


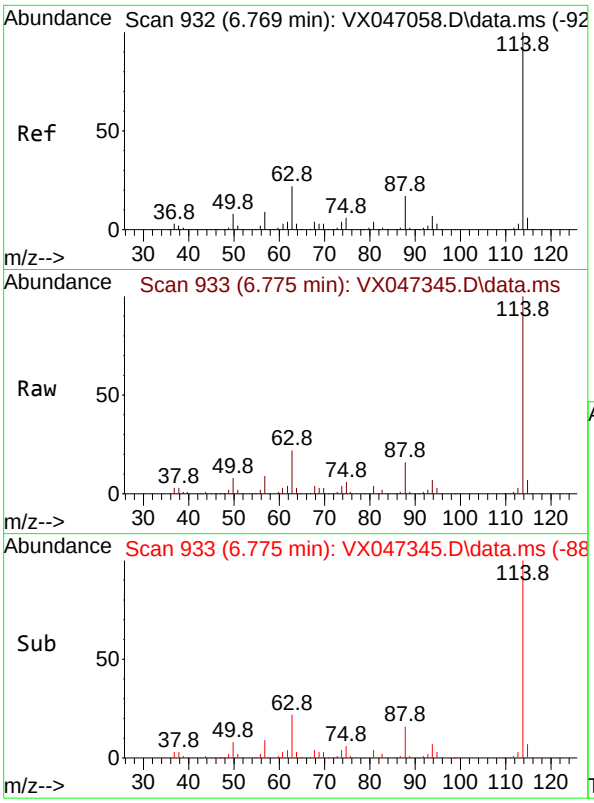


#33
1,2-Dichloroethane-d4
Concen: 59.458 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047345.D
Acq: 14 Aug 2025 17:26

Tgt Ion: 65 Resp: 170697

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.8



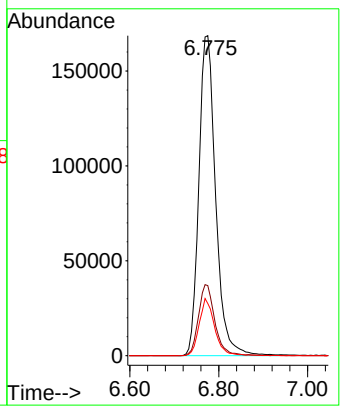


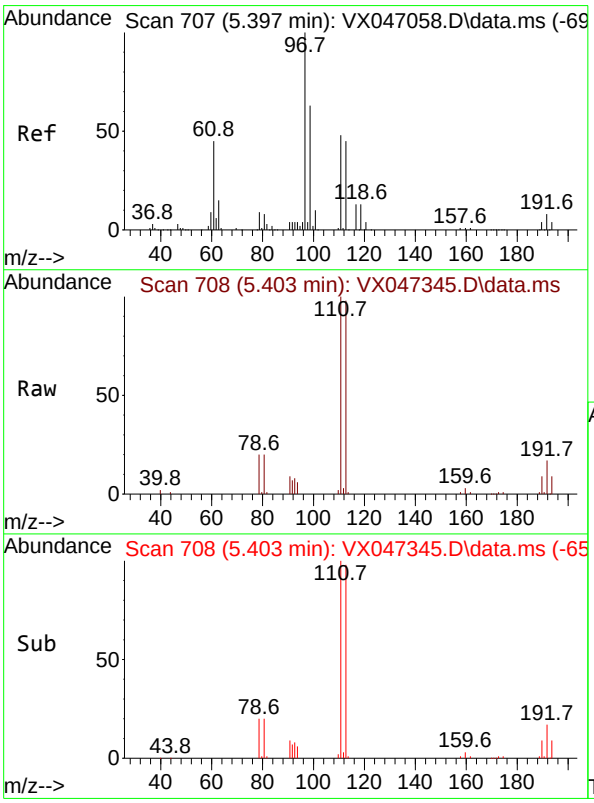
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047345.D
Acq: 14 Aug 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-ERE

Tgt Ion:114 Resp: 443658

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	16.3	0.0	33.8

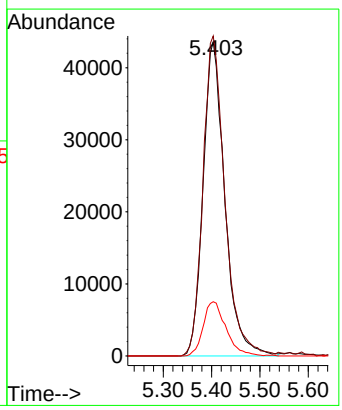


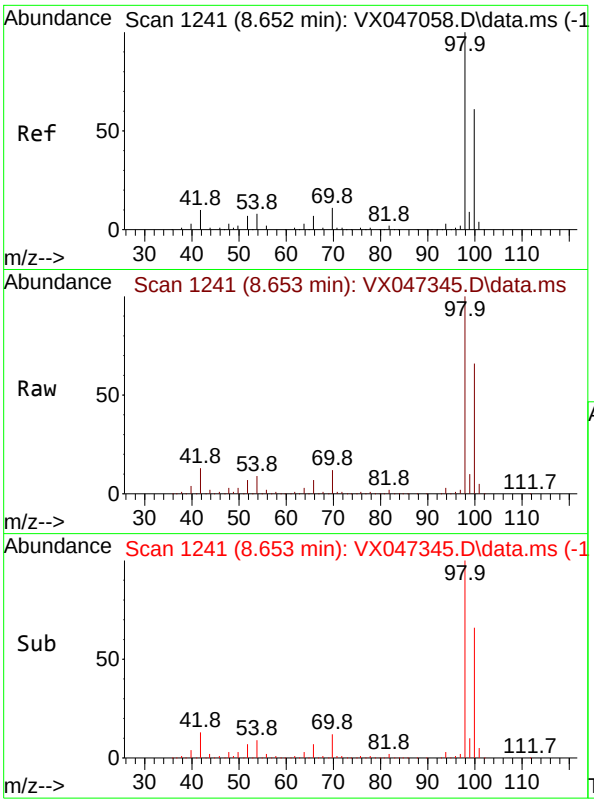


#35
Dibromofluoromethane
Concen: 49.578 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.006 min
Lab File: VX047345.D
Acq: 14 Aug 2025 17:26

Tgt Ion:113 Resp: 135809

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.6	124.0
192	18.2	14.9	22.3



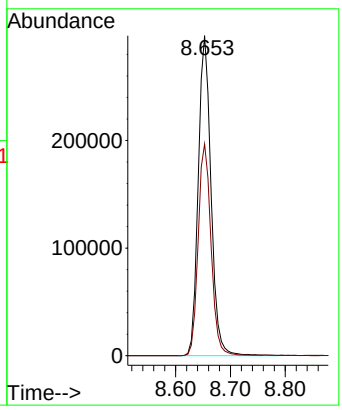


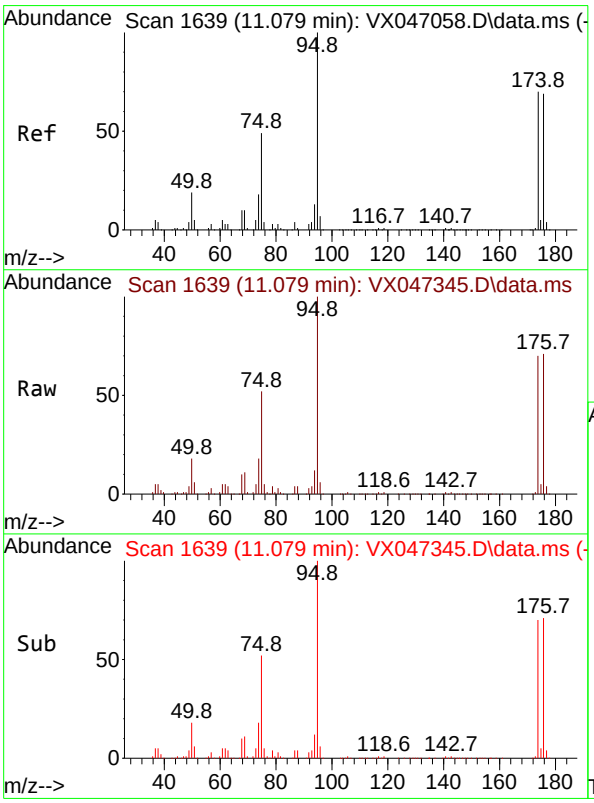
#50
Toluene-d8
Concen: 54.281 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047345.D
Acq: 14 Aug 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-ERE

Tgt Ion: 98 Resp: 481532

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9

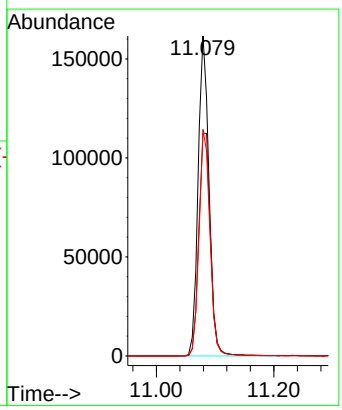


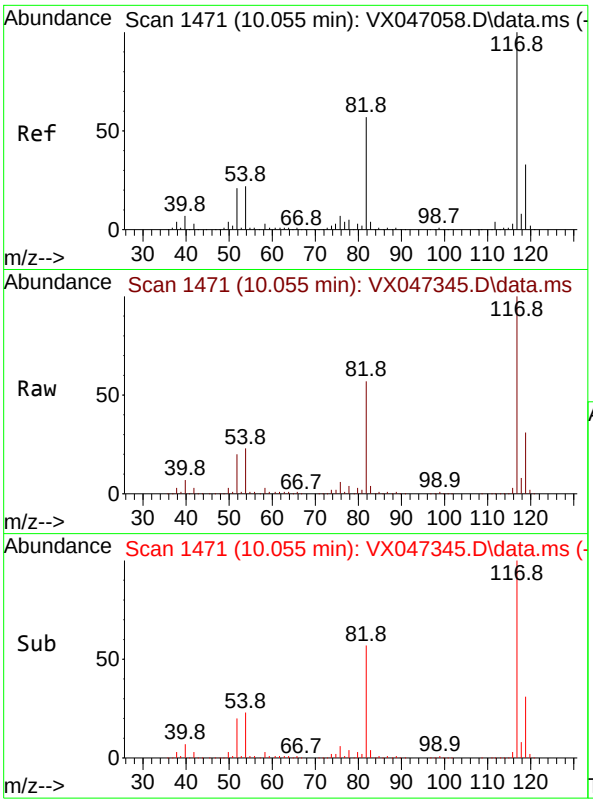


#62
4-Bromofluorobenzene
Concen: 54.163 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047345.D
Acq: 14 Aug 2025 17:26

Tgt Ion: 95 Resp: 207062

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	144.6
176	71.2	0.0	139.6



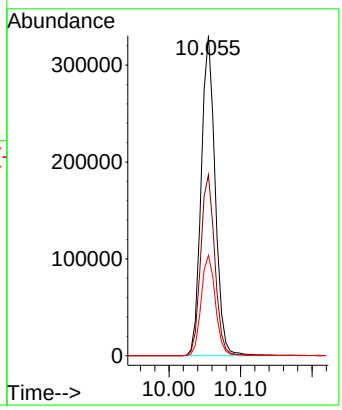


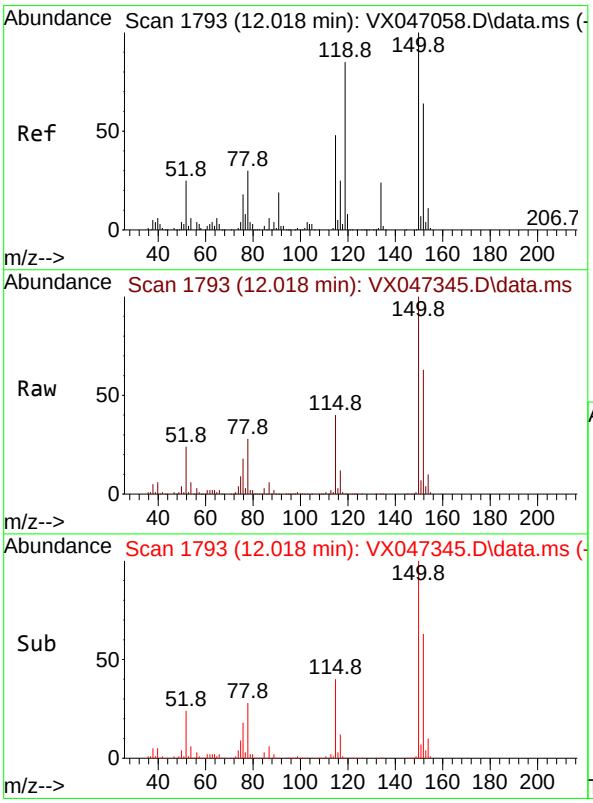
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047345.D
Acq: 14 Aug 2025 17:26

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-ERE

Tgt Ion:117 Resp: 448334

Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.4	68.2
119	31.4	26.1	39.1

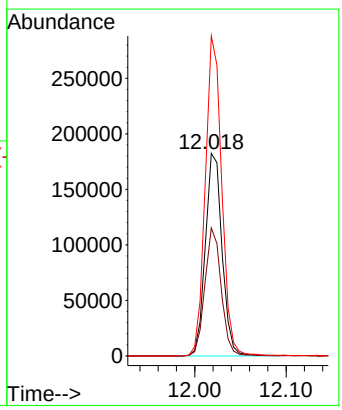




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047345.D
Acq: 14 Aug 2025 17:26

Tgt Ion:152 Resp: 231965

Ion	Ratio	Lower	Upper
152	100		
115	61.6	45.6	136.7
150	155.5	0.0	354.6



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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-20	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
VX047322.D	1	08/13/25 15:07	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	8.00		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.81	J	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.49	J	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.33	J	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-20	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
VX047322.D	1	08/13/25 15:07	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	58.0		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		80 - 119		108%	SPK: 50
2037-26-5	Toluene-d8	44.9		89 - 112		90%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		85 - 114		100%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	192000	5.568				
540-36-3	1,4-Difluorobenzene	355000	6.775				
3114-55-4	Chlorobenzene-d5	336000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	169000	12.024				
TENTATIVE IDENTIFIED COMPOUNDS							

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/05/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TW-518R-W	SDG No.:	Q2814
Lab Sample ID:	Q2814-20	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
VX047322.D	1	08/13/25 15:07	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
007446-09-5	Sulfur dioxide	70.5	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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047322.D
Acq On : 13 Aug 2025 15:07
Operator : JC/MD
Sample : Q2814-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

Quant Time: Aug 14 03:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

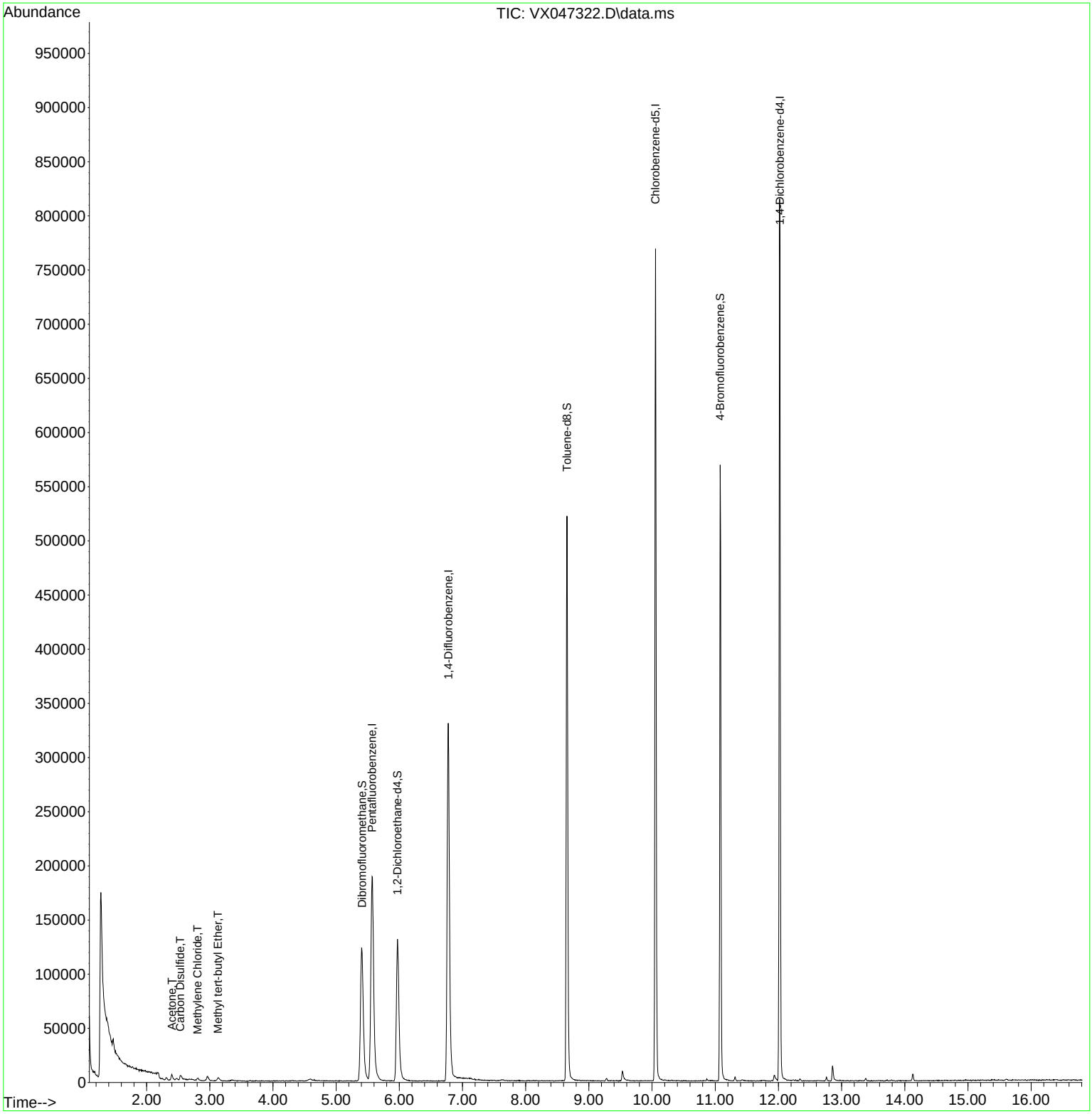
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	191995	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	355307	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	335766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	169163	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	138615	57.958	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.920%			
35) Dibromofluoromethane	5.410	113	118379	53.961	ug/l	0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.920%			
50) Toluene-d8	8.653	98	319298	44.943	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.880%#			
62) 4-Bromofluorobenzene	11.079	95	153320	50.078	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 100.160%			
Target Compounds						Qvalue
16) Acetone	2.398	43	7687	8.023	ug/l #	85
17) Carbon Disulfide	2.532	76	5664	0.811	ug/l #	95
19) Methyl tert-butyl Ether	3.129	73	3567	0.486	ug/l	96
20) Methylene Chloride	2.806	84	876	0.332	ug/l #	81

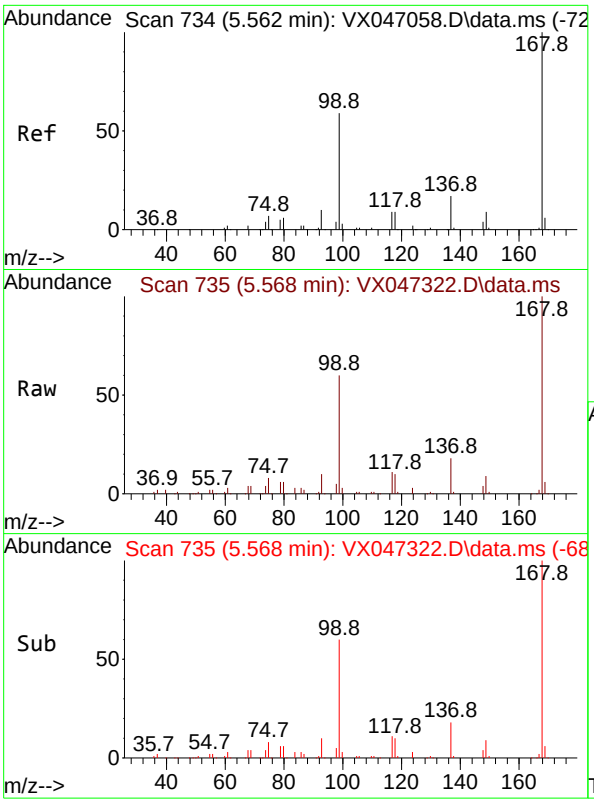
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047322.D
Acq On : 13 Aug 2025 15:07
Operator : JC/MD
Sample : Q2814-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

Quant Time: Aug 14 03:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



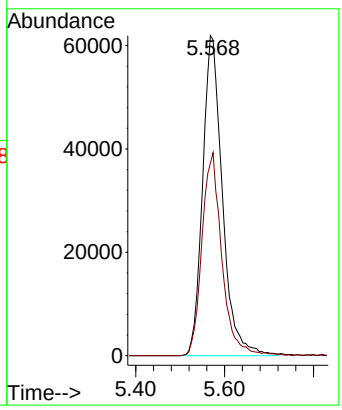


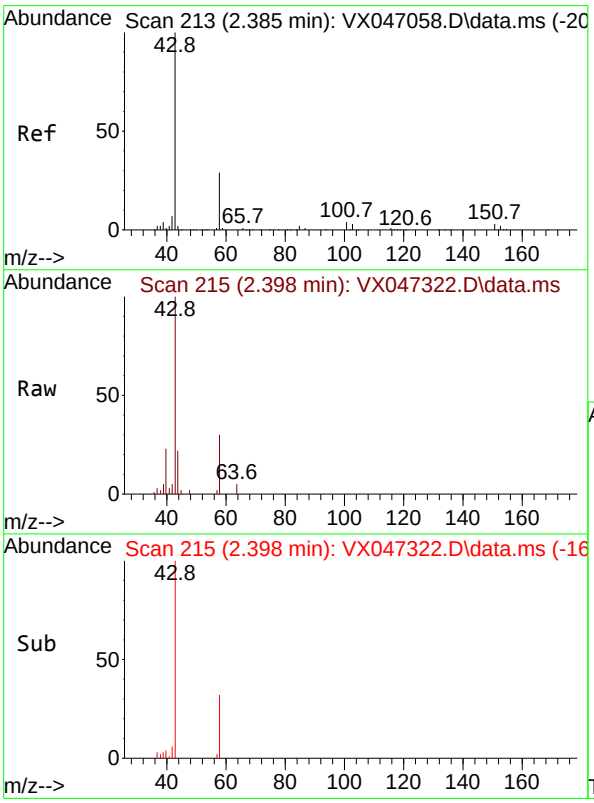
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

Tgt Ion:168 Resp: 191995

Ion	Ratio	Lower	Upper
168	100		
99	60.1	48.0	72.0

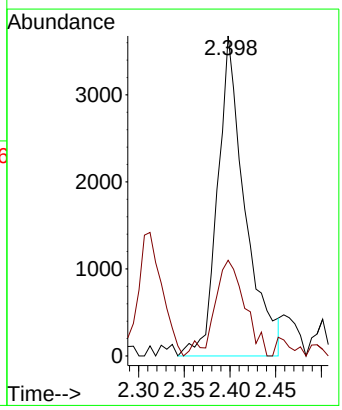


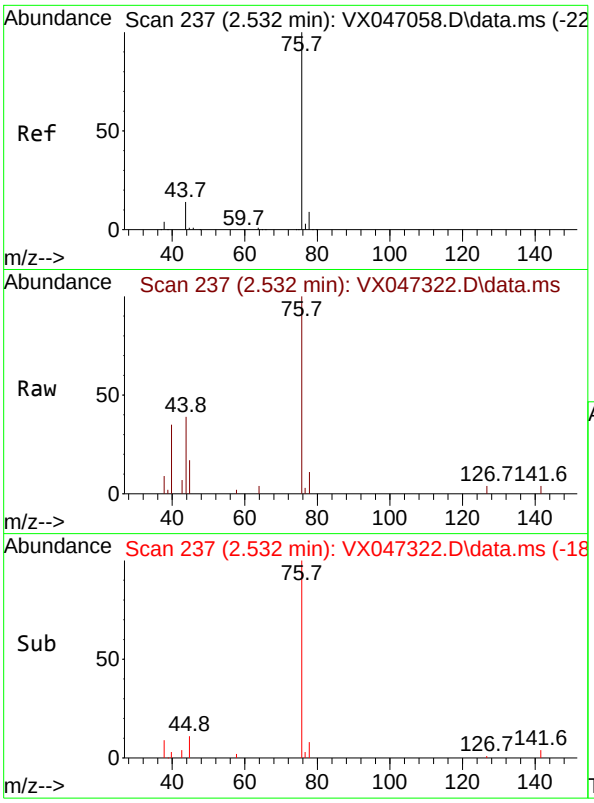


#16
Acetone
Concen: 8.023 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 43 Resp: 7687

Ion	Ratio	Lower	Upper
43	100		
58	21.9	24.0	36.0#



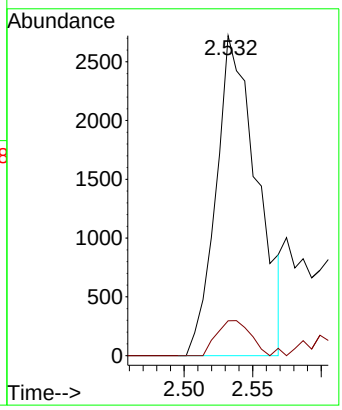


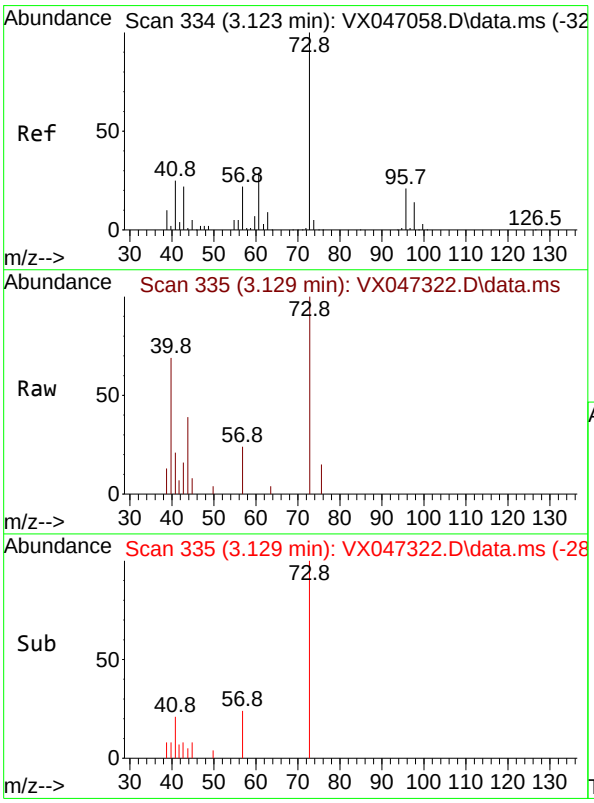
#17
Carbon Disulfide
Concen: 0.811 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

Tgt Ion: 76 Resp: 5664

Ion	Ratio	Lower	Upper
76	100		
78	10.6	7.0	10.4#

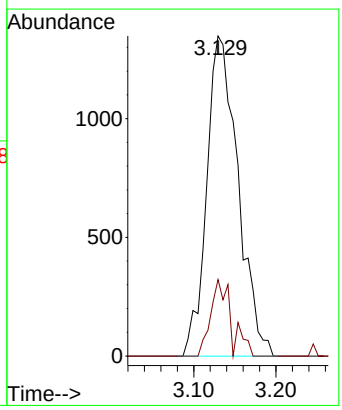


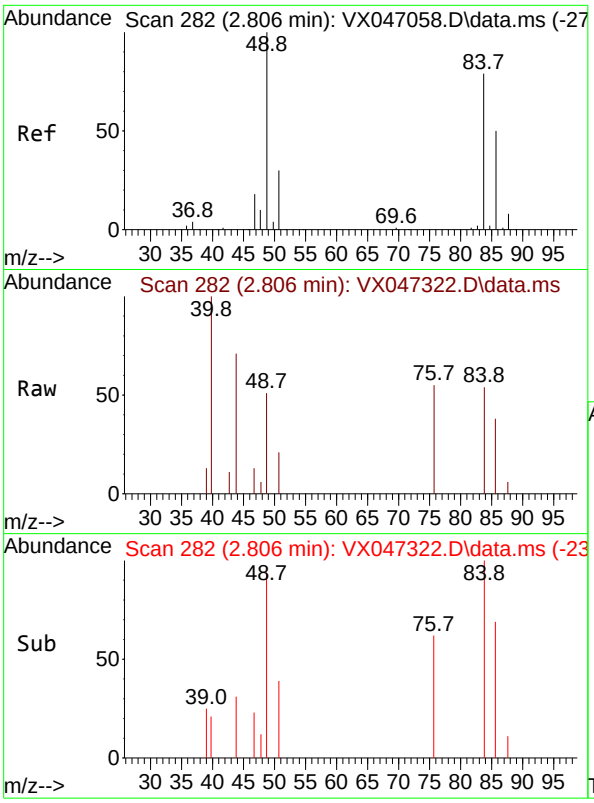


#19
Methyl tert-butyl Ether
Concen: 0.486 ug/l
RT: 3.129 min Scan# 335
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 73 Resp: 3567

Ion	Ratio	Lower	Upper
73	100		
57	23.9	17.7	26.5



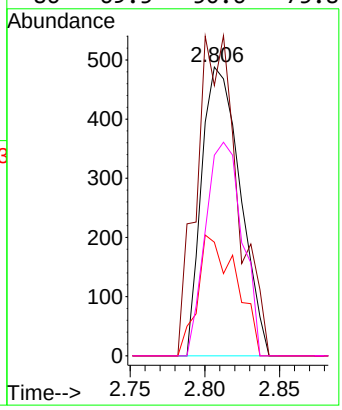


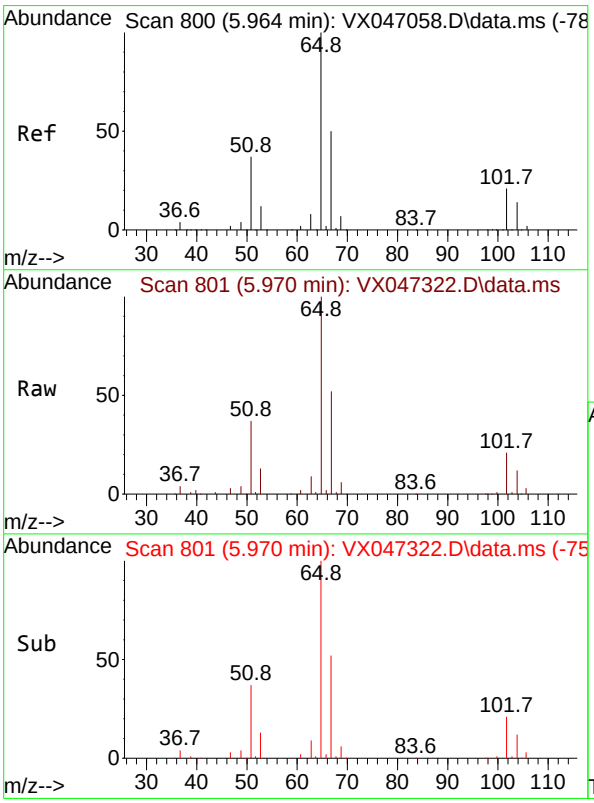
#20
Methylene Chloride
Concen: 0.332 ug/l
RT: 2.806 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

Tgt Ion: 84 Resp: 876

Ion	Ratio	Lower	Upper
84	100		
49	93.6	101.6	152.4#
51	39.3	30.3	45.5
86	69.5	50.6	75.8

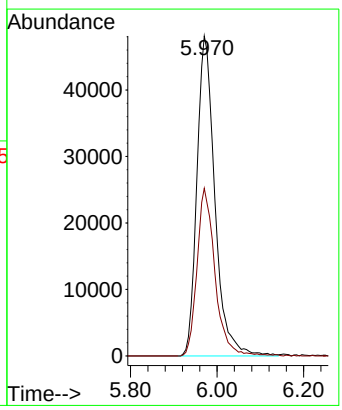


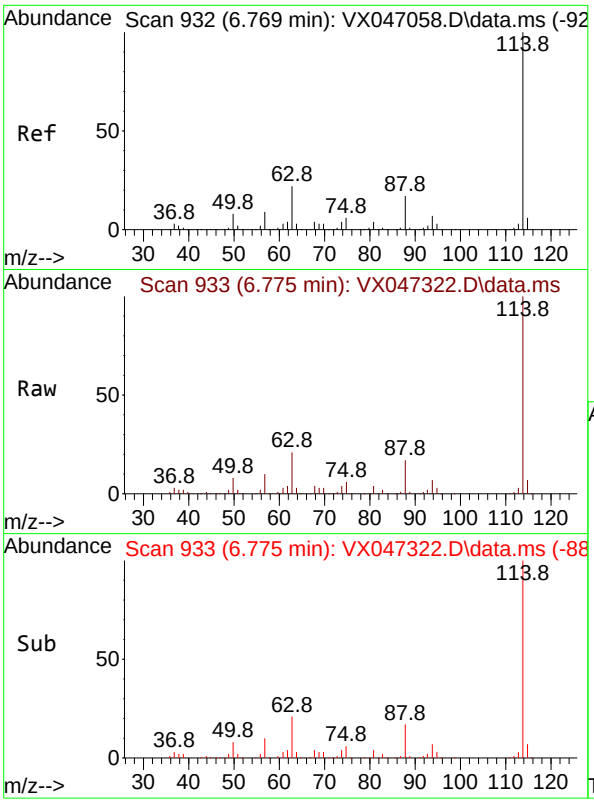


#33
1,2-Dichloroethane-d4
Concen: 57.958 ug/l
RT: 5.970 min Scan# 801
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 65 Resp: 138615

Ion	Ratio	Lower	Upper
65	100		
67	52.3	0.0	104.8



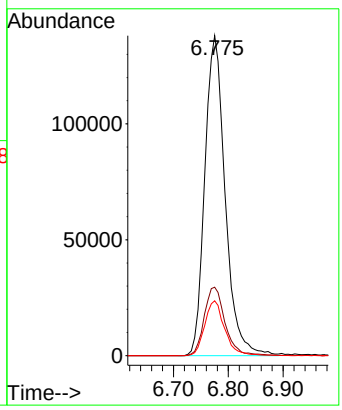


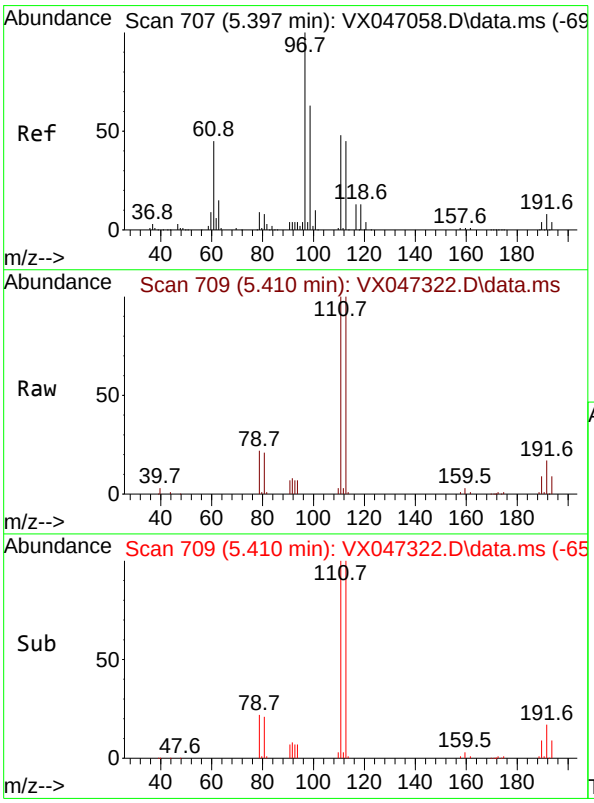
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

Tgt Ion:114 Resp: 355307

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.2
88	17.2	0.0	33.8

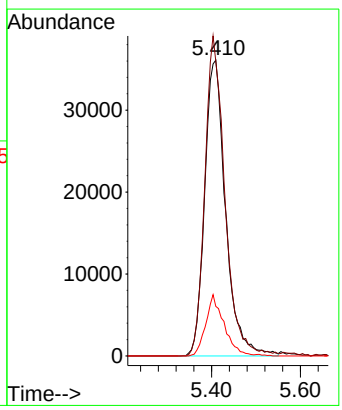


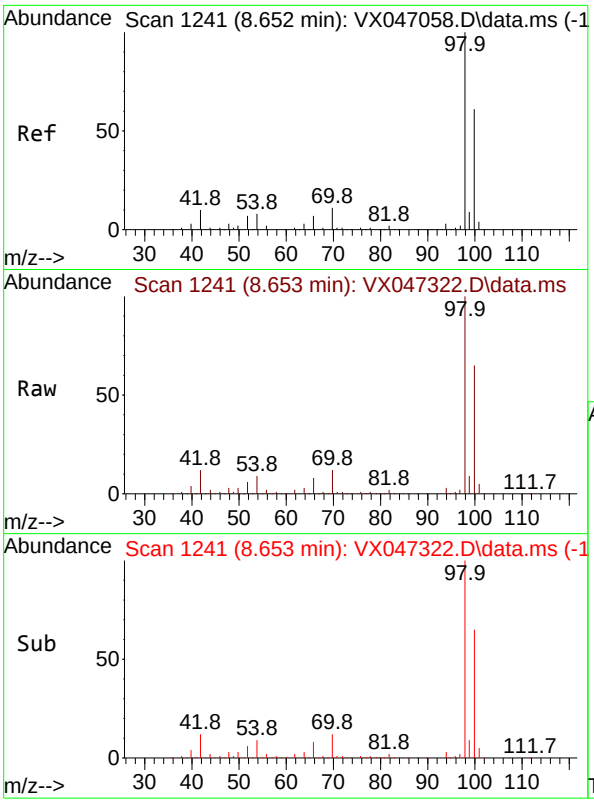


#35
Dibromofluoromethane
Concen: 53.961 ug/l
RT: 5.410 min Scan# 709
Delta R.T. 0.013 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion:113 Resp: 118379

Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.6	124.0
192	18.1	14.9	22.3



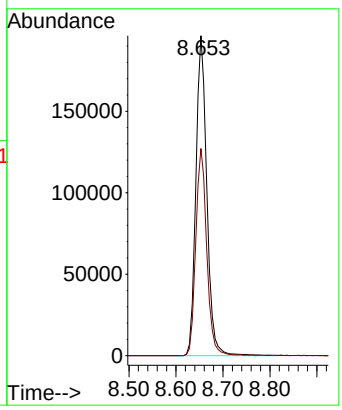


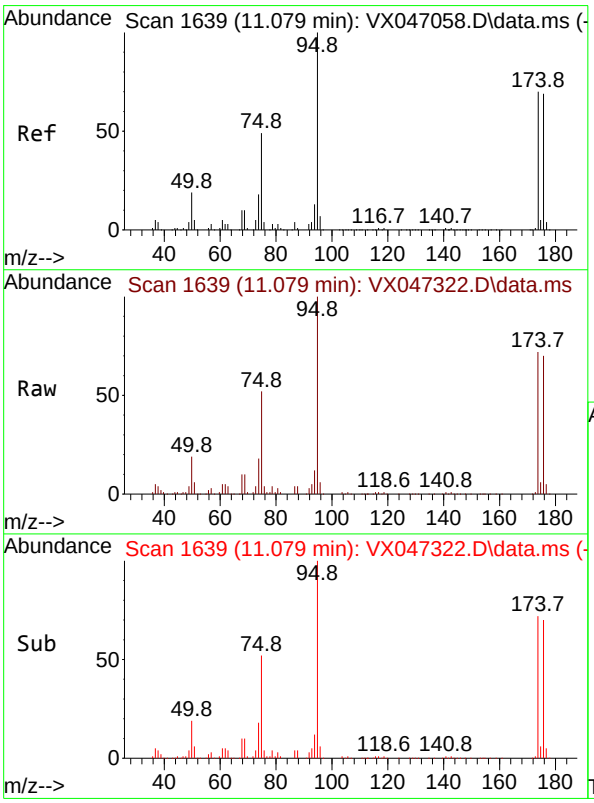
#50
Toluene-d8
Concen: 44.943 ug/l
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

Tgt Ion: 98 Resp: 319298

Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.3	79.9

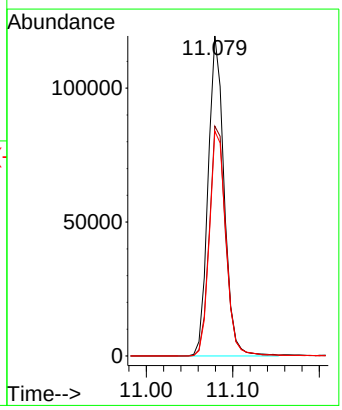


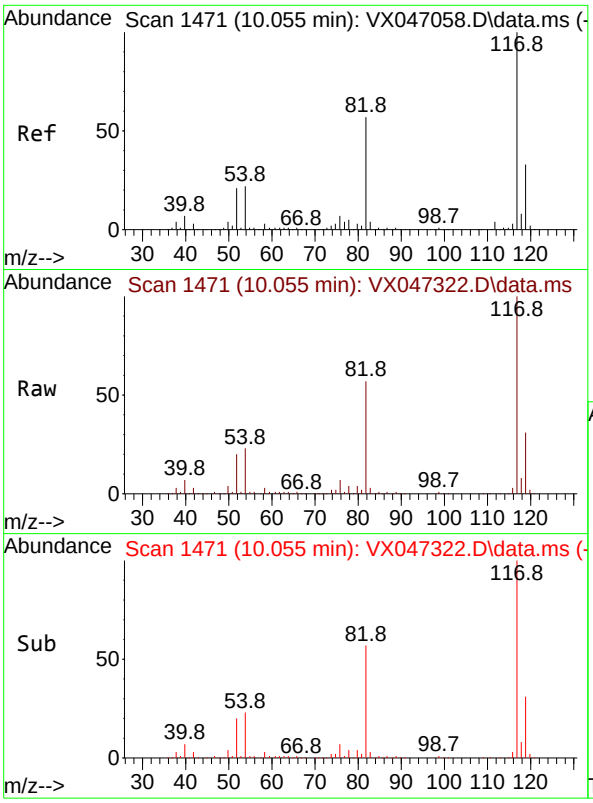


#62
4-Bromofluorobenzene
Concen: 50.078 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion: 95 Resp: 153320

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	144.6
176	72.7	0.0	139.6



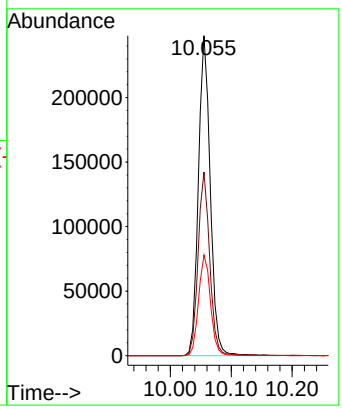


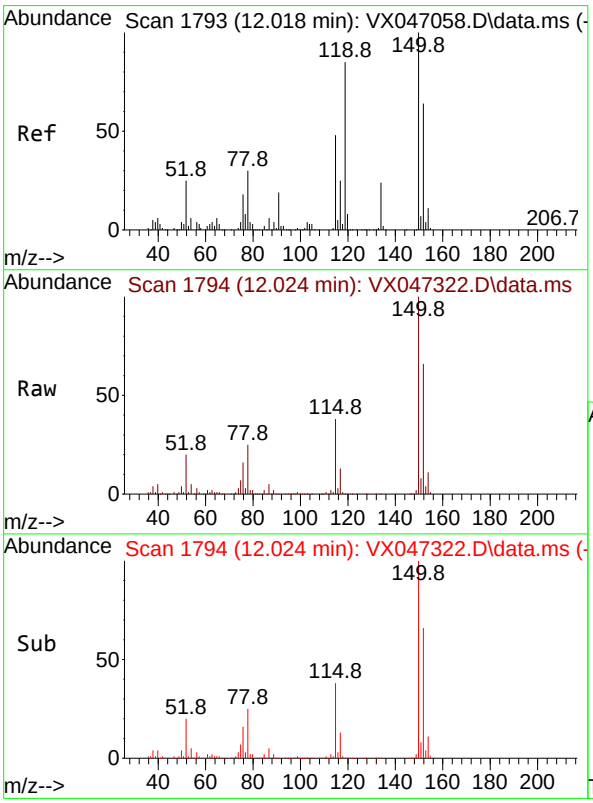
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

Tgt Ion:117 Resp: 335766

Ion	Ratio	Lower	Upper
117	100		
82	57.4	45.4	68.2
119	31.5	26.1	39.1

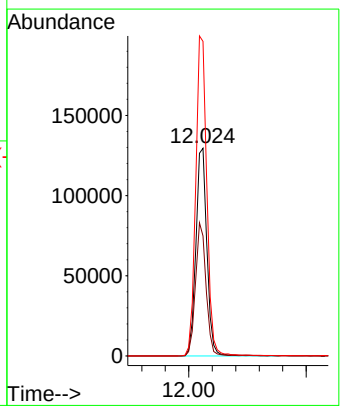




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VX047322.D
Acq: 13 Aug 2025 15:07

Tgt Ion:152 Resp: 169163

Ion	Ratio	Lower	Upper
152	100		
115	61.3	45.6	136.7
150	155.1	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047322.D
Acq On : 13 Aug 2025 15:07
Operator : JC/MD
Sample : Q2814-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047322.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.276	25	31	60	rBV	169819	844588	80.65%	12.360%
2	2.532	233	237	247	rBV2	4126	11021	1.05%	0.161%
3	5.403	697	708	725	rBV3	123032	391407	37.37%	5.728%
4	5.568	725	735	762	rVB	188199	599359	57.23%	8.772%
5	5.970	792	801	826	rBV	131127	381668	36.44%	5.586%
6	6.775	922	933	956	rBV	330517	867527	82.84%	12.696%
7	8.653	1235	1241	1261	rBV	521181	855283	81.67%	12.517%
8	9.531	1381	1385	1396	rBV4	8688	17169	1.64%	0.251%
9	10.055	1465	1471	1486	rBV	768013	1041622	99.46%	15.244%
10	11.079	1634	1639	1653	rBV	568665	740280	70.69%	10.834%
11	11.939	1775	1780	1788	rBV7	5229	11412	1.09%	0.167%
12	12.018	1788	1793	1805	rBV	814042	1047262	100.00%	15.327%
13	12.859	1923	1931	1943	rBV3	13972	24409	2.33%	0.357%

Sum of corrected areas: 6833007

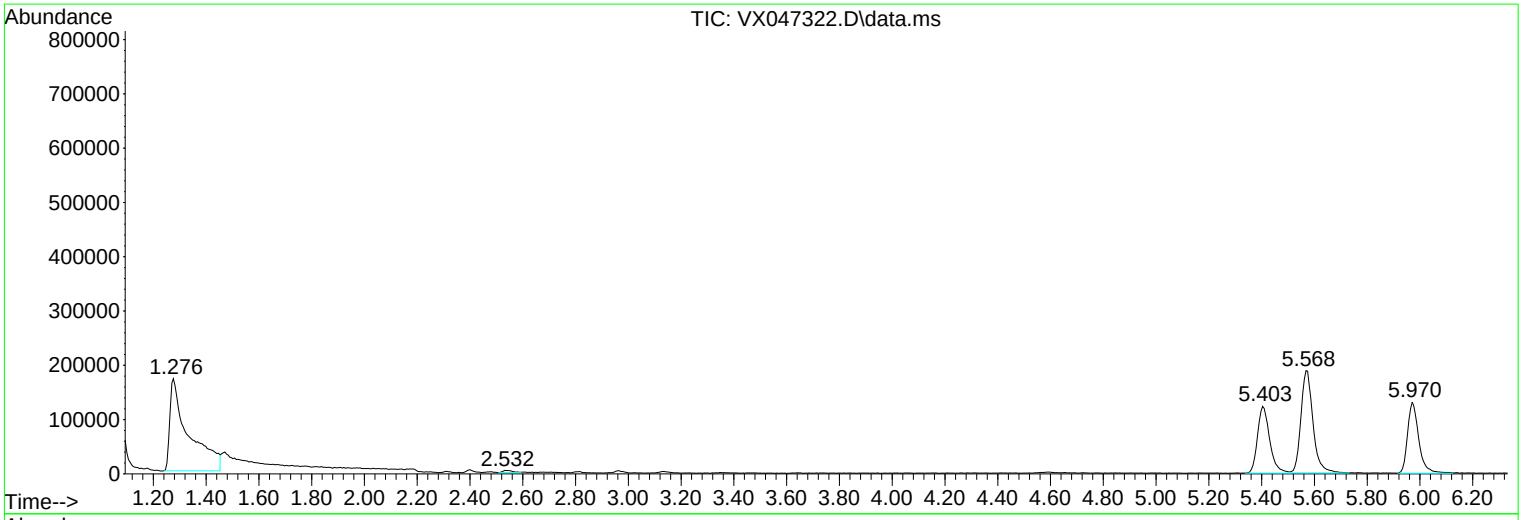
Sample Results: **VX047322.D**

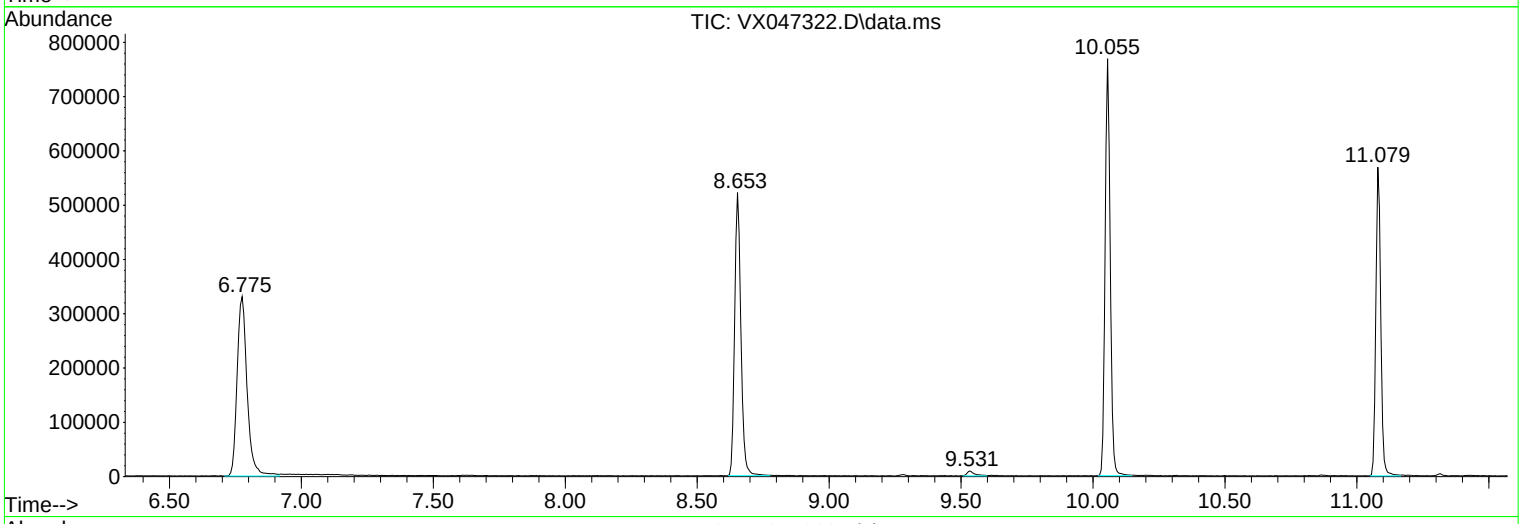
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047322.D
Acq On : 13 Aug 2025 15:07
Operator : JC/MD
Sample : Q2814-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

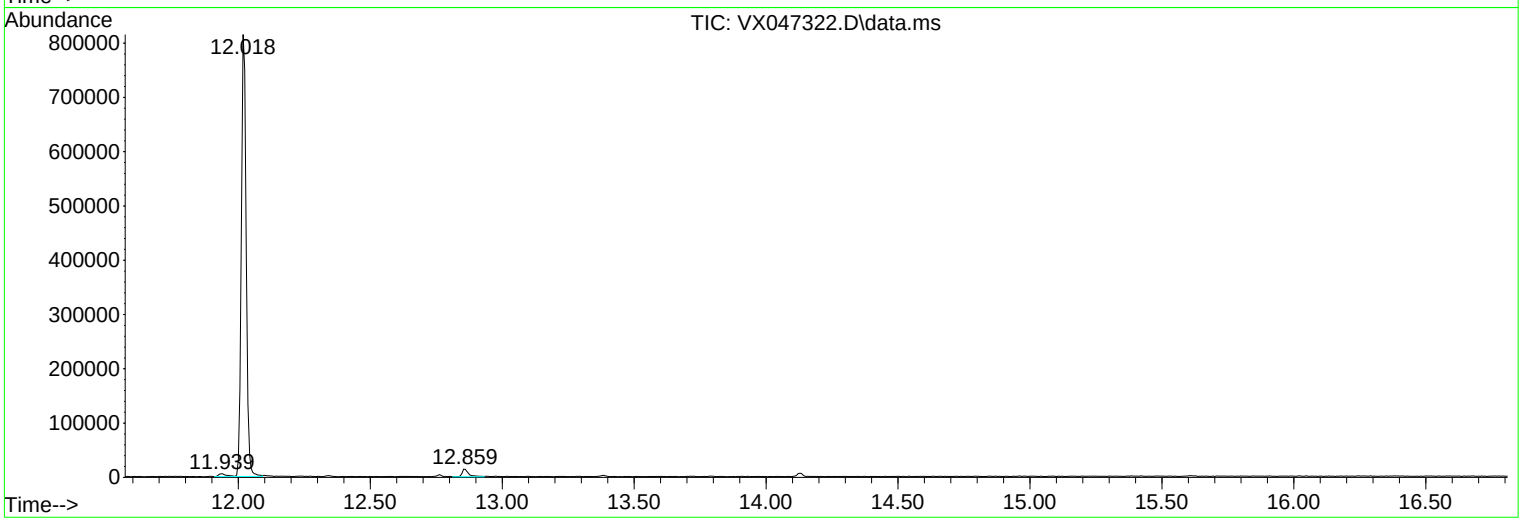
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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







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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047322.D
Acq On    : 13 Aug 2025  15:07
Operator  : JC/MD
Sample    : Q2814-20
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 15   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
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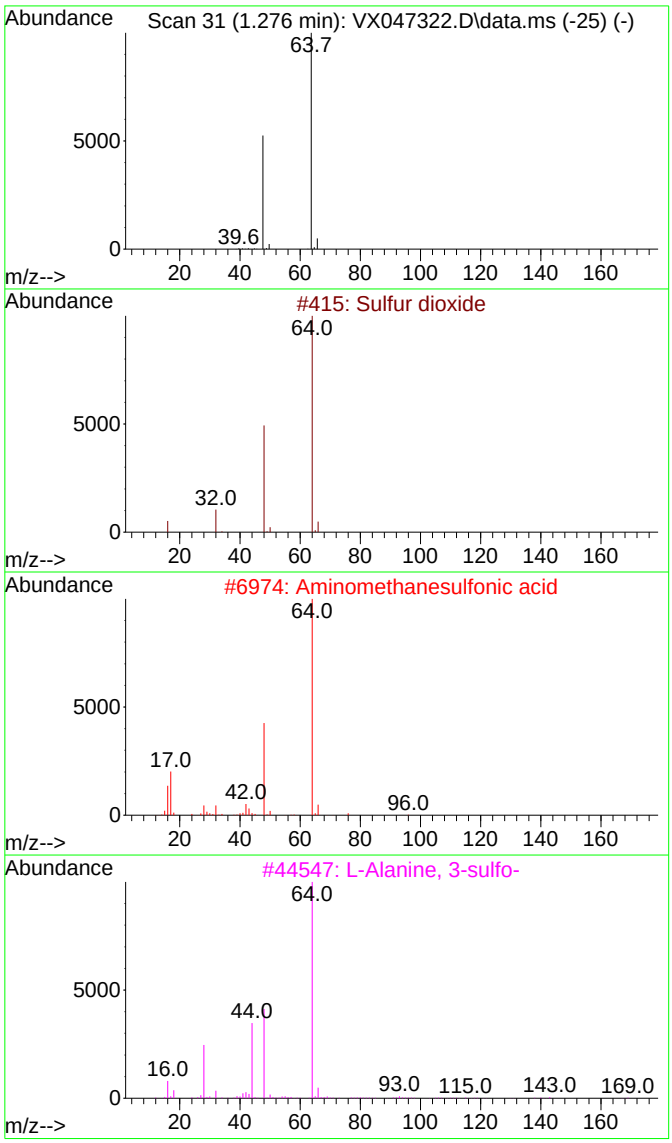
Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

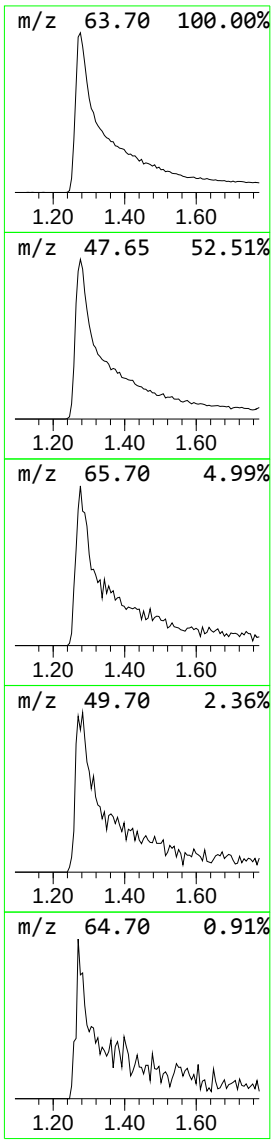
****

Peak Number 1 Sulfur dioxide Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.276	70.46 ug/l	844588	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\VX081325\
Data File : VX047322.D
Acq On : 13 Aug 2025 15:07
Operator : JC/MD
Sample : Q2814-20
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-518R-W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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	70.5	ug/l	844588	1	5.568	599359	50.0

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TB	SDG No.:	Q2814
Lab Sample ID:	Q2814-21	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
VX047339.D	1	08/14/25 12:47	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.60	J	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TB	SDG No.:	Q2814
Lab Sample ID:	Q2814-21	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
VX047339.D	1	08/14/25 12:47	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.1		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	54.9		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		85 - 114		104%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	229000	5.562				
540-36-3	1,4-Difluorobenzene	436000	6.763				
3114-55-4	Chlorobenzene-d5	425000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	212000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	08/08/25
Project:	USACE018-44 DOD	Date Received:	08/08/25
Client Sample ID:	TB	SDG No.:	Q2814
Lab Sample ID:	Q2814-21	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
VX047339.D	1	08/14/25 12:47	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081425\
Data File : VX047339.D
Acq On : 14 Aug 2025 12:47
Operator : JC/MD
Sample : Q2814-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Aug 18 01:28:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

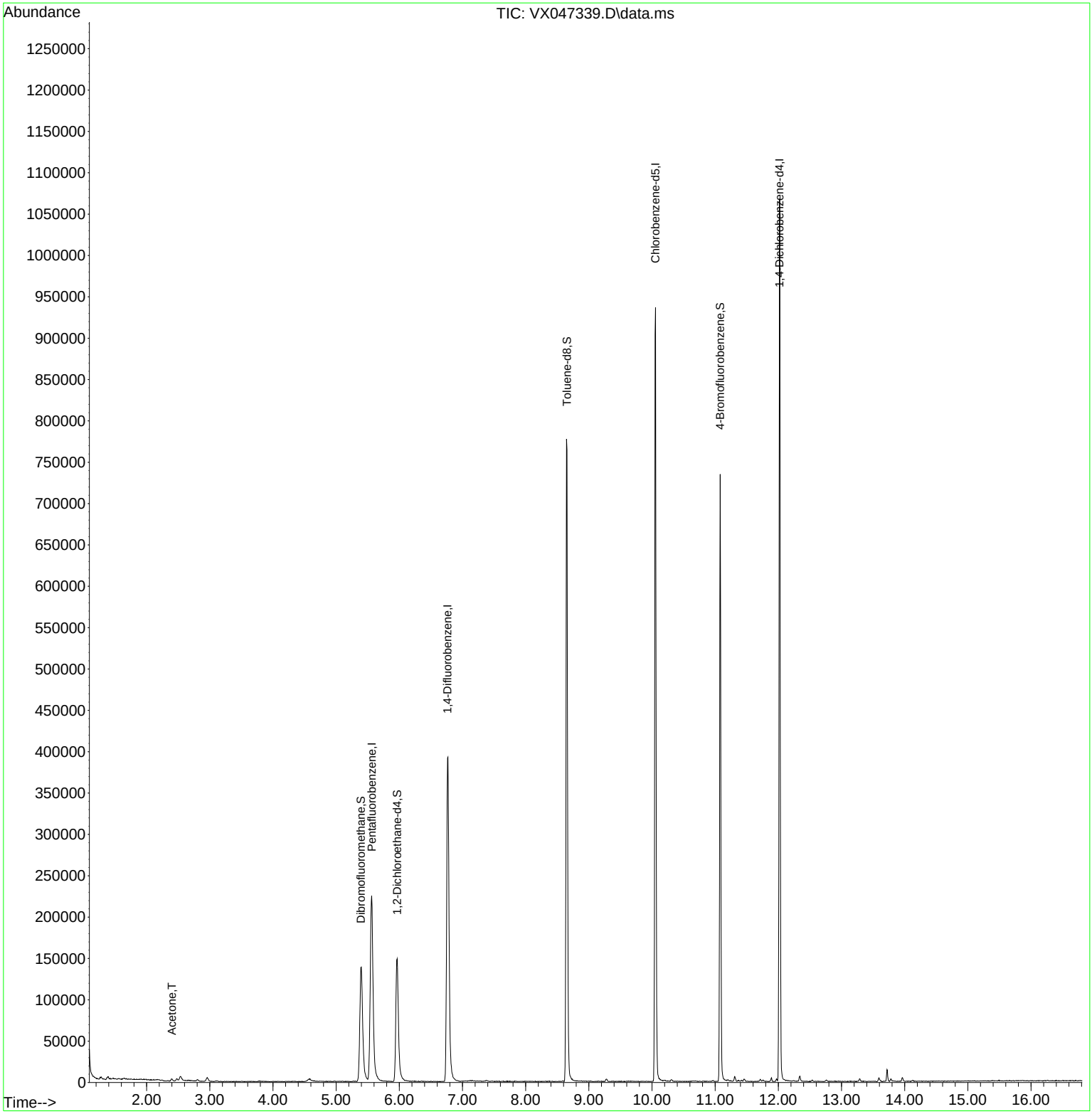
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	228684	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	436084	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	425164	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	212249	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	162693	57.112	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.220%			
35) Dibromofluoromethane	5.391	113	135473	50.314	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.620%			
50) Toluene-d8	8.653	98	479102	54.945	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.880%			
62) 4-Bromofluorobenzene	11.079	95	194775	51.834	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 103.660%			
Target Compounds						Qvalue
16) Acetone	2.398	43	4133	3.622	ug/l	95

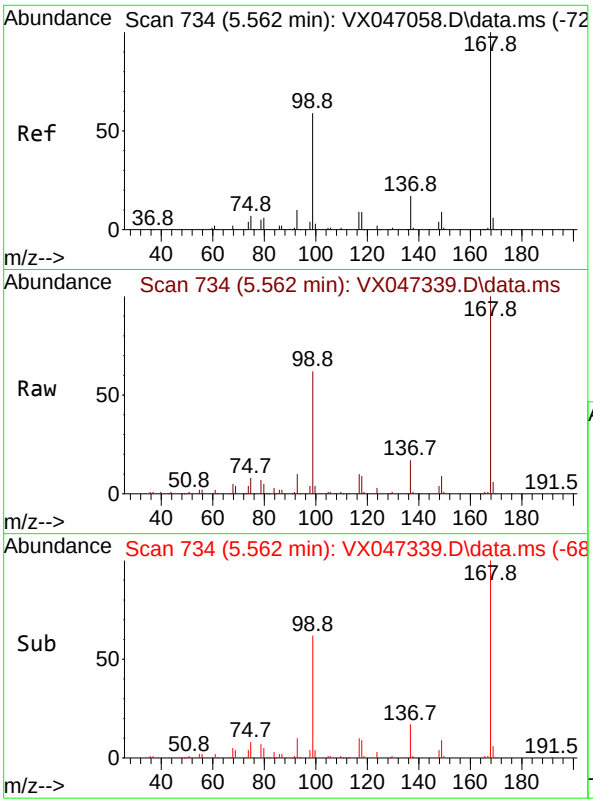
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047339.D
Acq On : 14 Aug 2025 12:47
Operator : JC/MD
Sample : Q2814-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Time: Aug 18 01:28:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



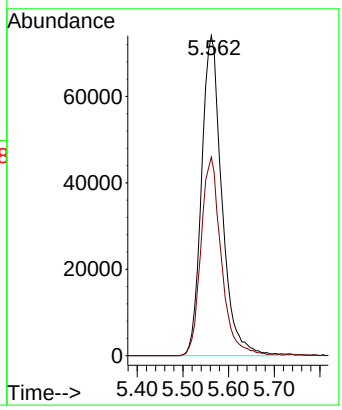


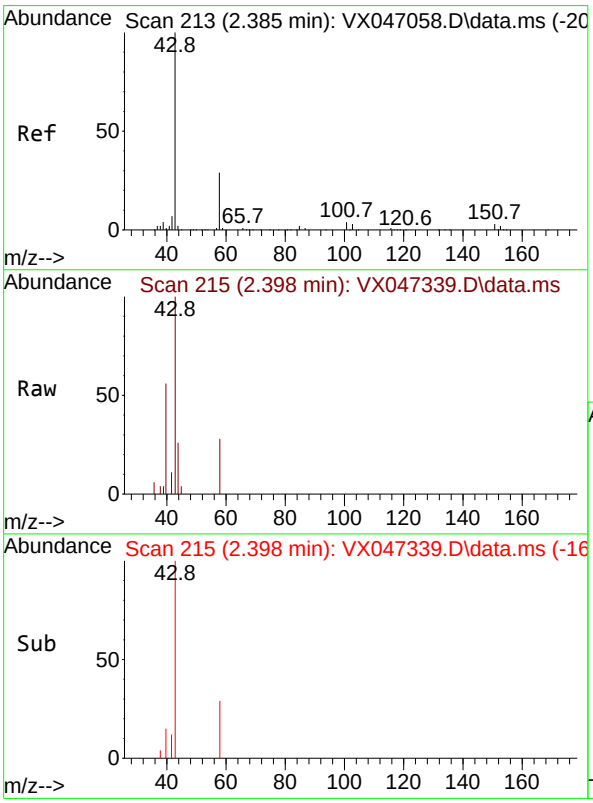
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047339.D
Acq: 14 Aug 2025 12:47

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:168 Resp: 228684

Ion	Ratio	Lower	Upper
168	100		
99	62.1	48.0	72.0

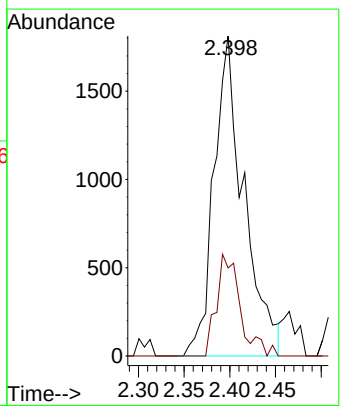


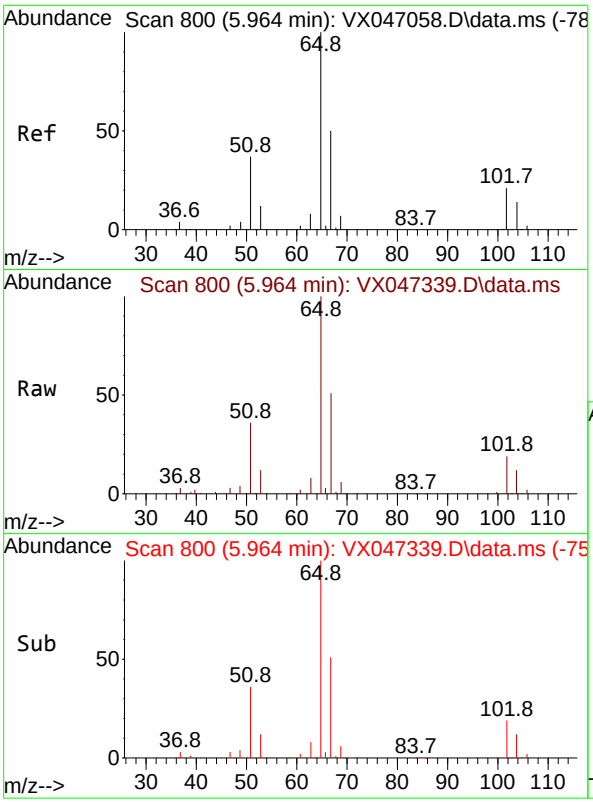


#16
Acetone
Concen: 3.622 ug/l
RT: 2.398 min Scan# 215
Delta R.T. 0.013 min
Lab File: VX047339.D
Acq: 14 Aug 2025 12:47

Tgt Ion: 43 Resp: 4133

Ion	Ratio	Lower	Upper
43	100		
58	27.5	24.0	36.0



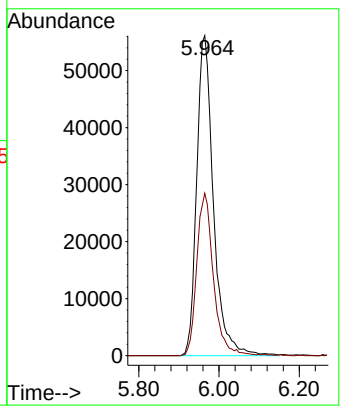


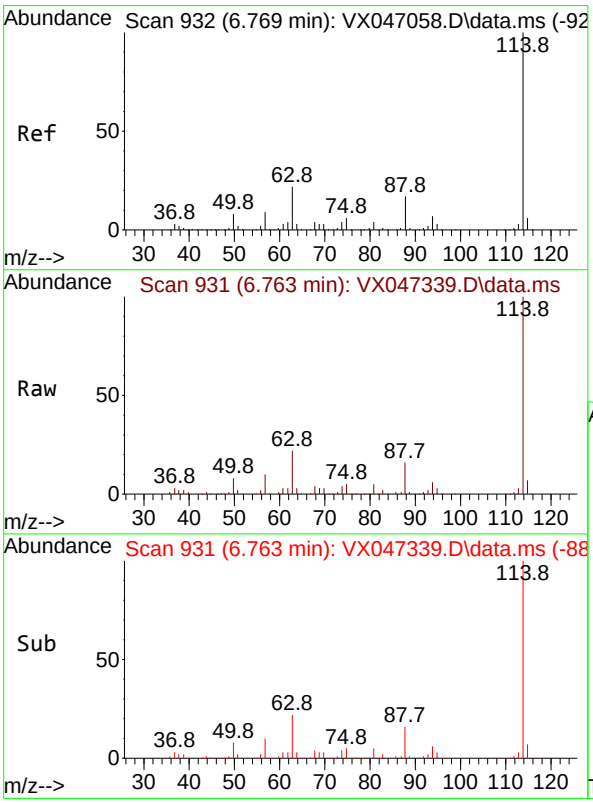
#33
1,2-Dichloroethane-d4
Concen: 57.112 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047339.D
Acq: 14 Aug 2025 12:47

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 65 Resp: 162693

Ion	Ratio	Lower	Upper
65	100		
67	50.3	0.0	104.8

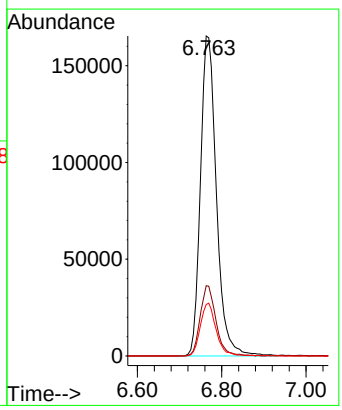


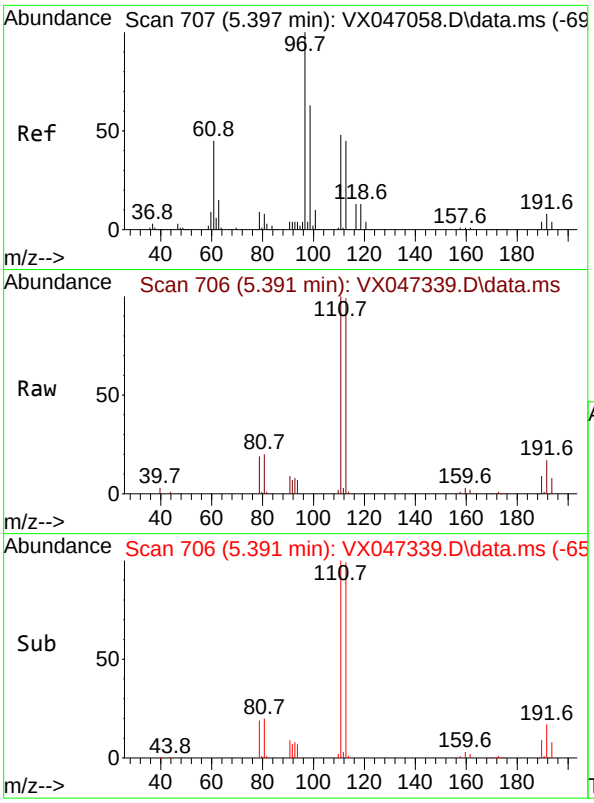


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047339.D
Acq: 14 Aug 2025 12:47

Tgt Ion:114 Resp: 436084

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



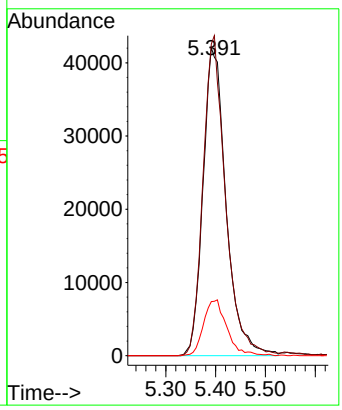


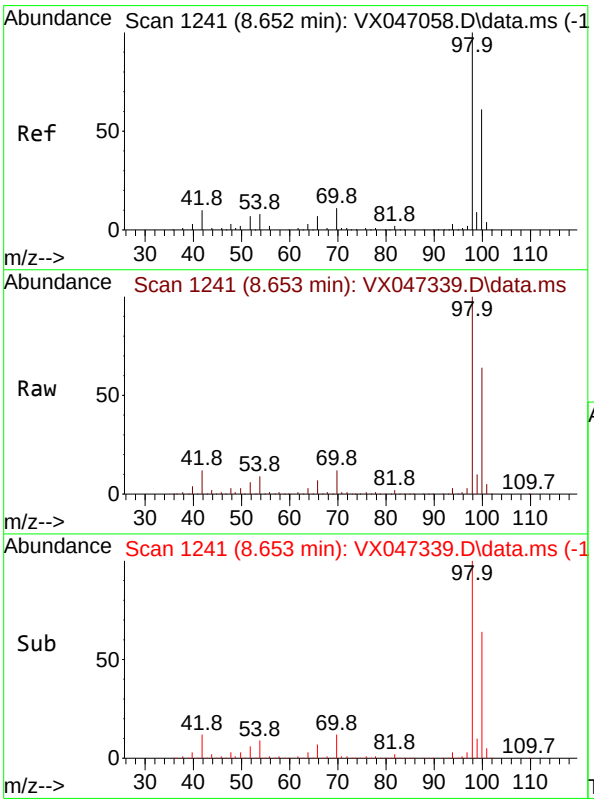
#35
Dibromofluoromethane
Concen: 50.314 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047339.D
Acq: 14 Aug 2025 12:47

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:113 Resp: 135473

Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.6	124.0
192	18.2	14.9	22.3

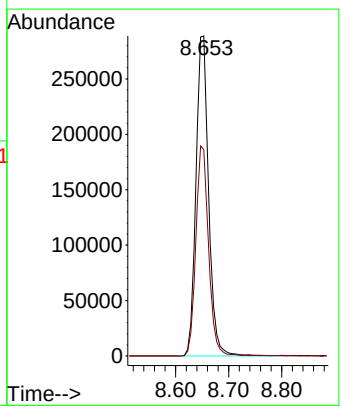


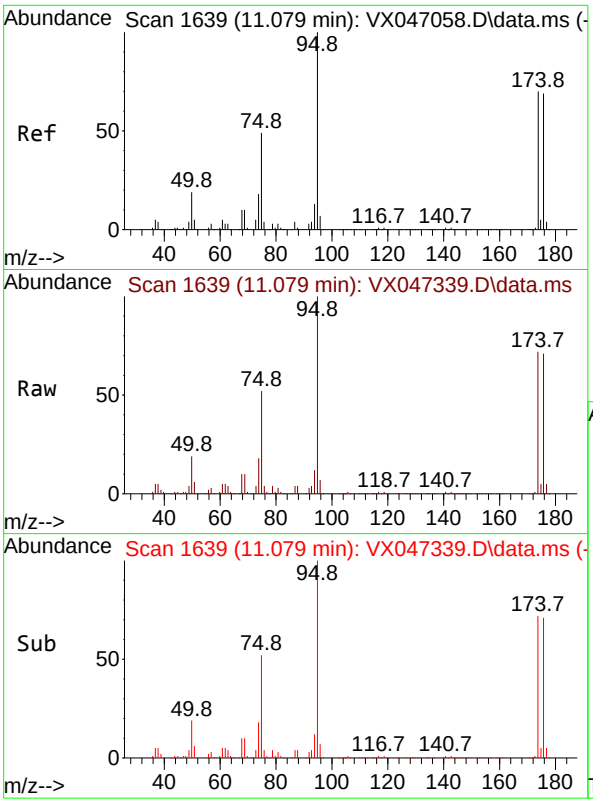


#50
Toluene-d8
Concen: 54.945 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047339.D
Acq: 14 Aug 2025 12:47

Tgt Ion: 98 Resp: 479102

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.3	79.9



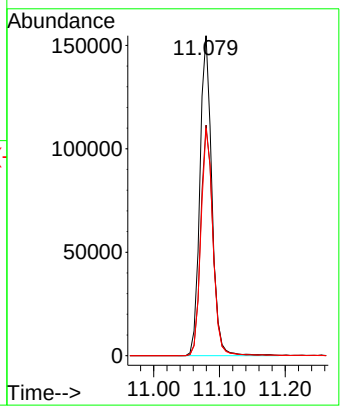


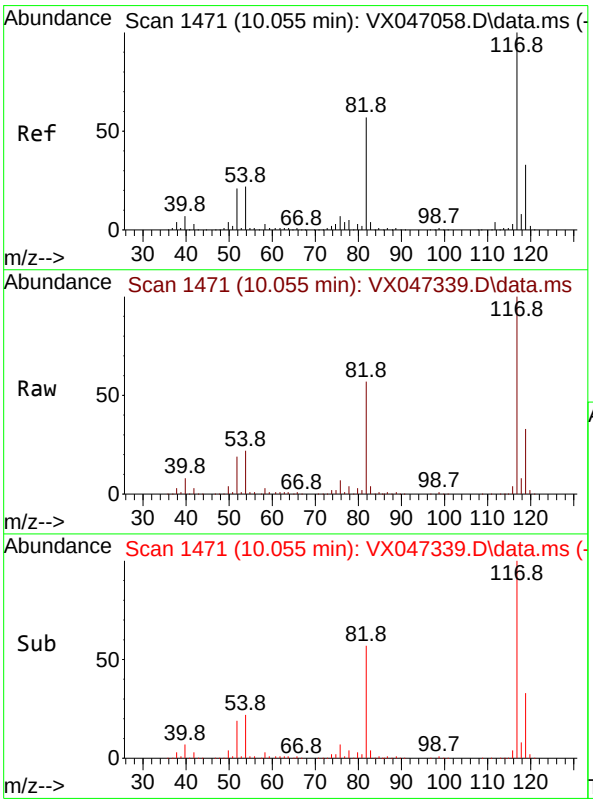
#62
4-Bromofluorobenzene
Concen: 51.834 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047339.D
Acq: 14 Aug 2025 12:47

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion: 95 Resp: 194775

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	144.6
176	71.7	0.0	139.6

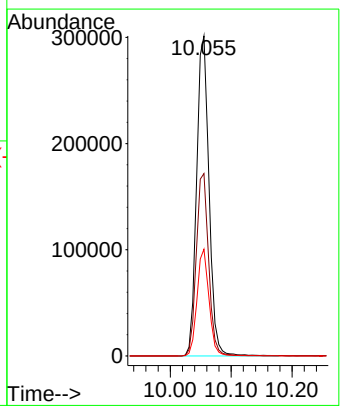


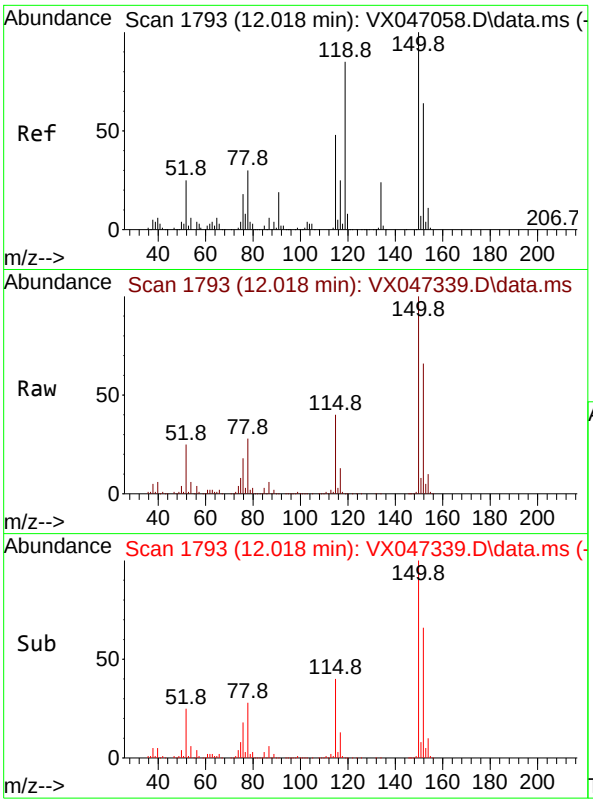


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047339.D
Acq: 14 Aug 2025 12:47

Tgt Ion:117 Resp: 425164

Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.4	68.2
119	33.4	26.1	39.1



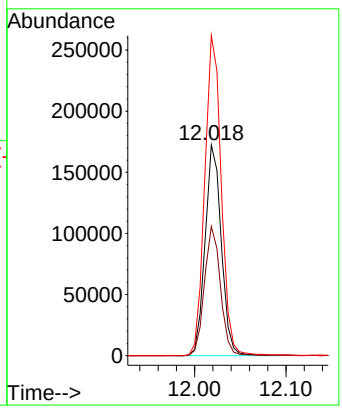


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047339.D
Acq: 14 Aug 2025 12:47

Instrument :
MSVOA_X
ClientSampleId :
TB

Tgt Ion:152 Resp: 212249

Ion	Ratio	Lower	Upper
152	100		
115	60.5	45.6	136.7
150	154.7	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047339.D
Acq On : 14 Aug 2025 12:47
Operator : JC/MD
Sample : Q2814-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047339.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.397	694	707	724	rBV6	138378	444412	33.50%	5.930%
2	5.562	724	734	756	rVB	223385	699606	52.74%	9.335%
3	5.964	790	800	819	rBV2	148397	436682	32.92%	5.827%
4	6.769	922	932	954	rBV	392048	1032220	77.82%	13.774%
5	8.647	1234	1240	1261	rBV	776753	1294547	97.60%	17.274%
6	10.055	1465	1471	1480	rBV	935714	1326441	100.00%	17.700%
7	11.079	1633	1639	1654	rBV	734112	930167	70.13%	12.412%
8	12.018	1788	1793	1809	rVB	1066335	1312955	98.98%	17.520%
9	13.719	2068	2072	2077	rVB2	14044	17114	1.29%	0.228%

Sum of corrected areas: 7494144

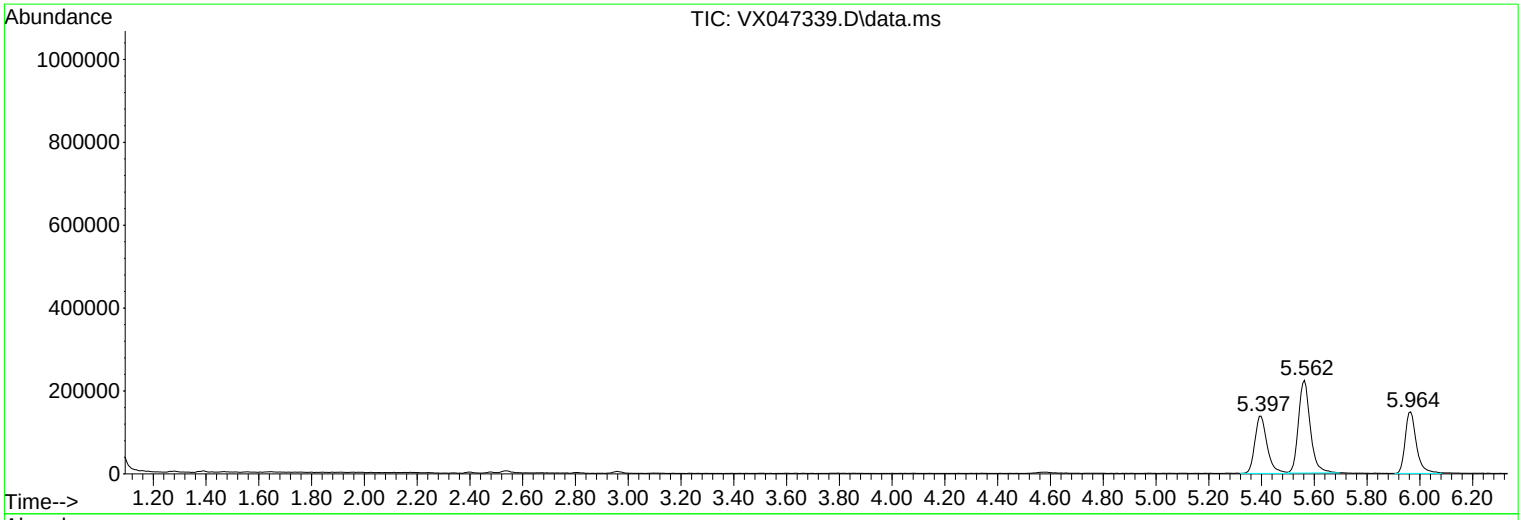
Sample Results: **VX047339.D**

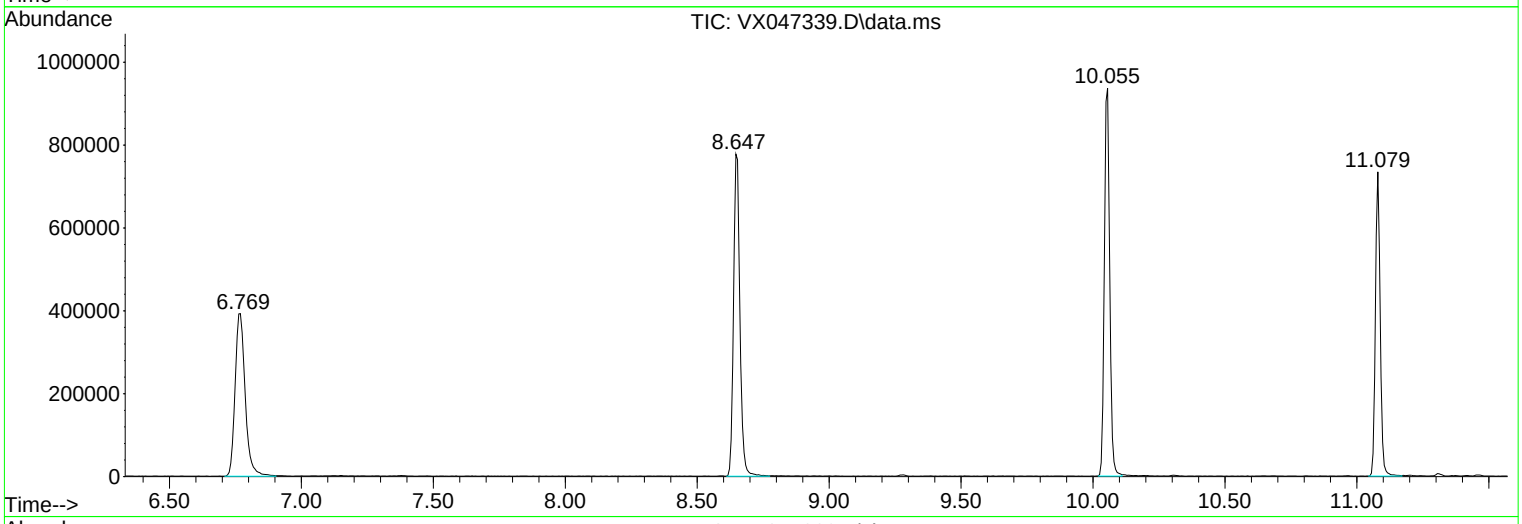
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047339.D
Acq On : 14 Aug 2025 12:47
Operator : JC/MD
Sample : Q2814-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

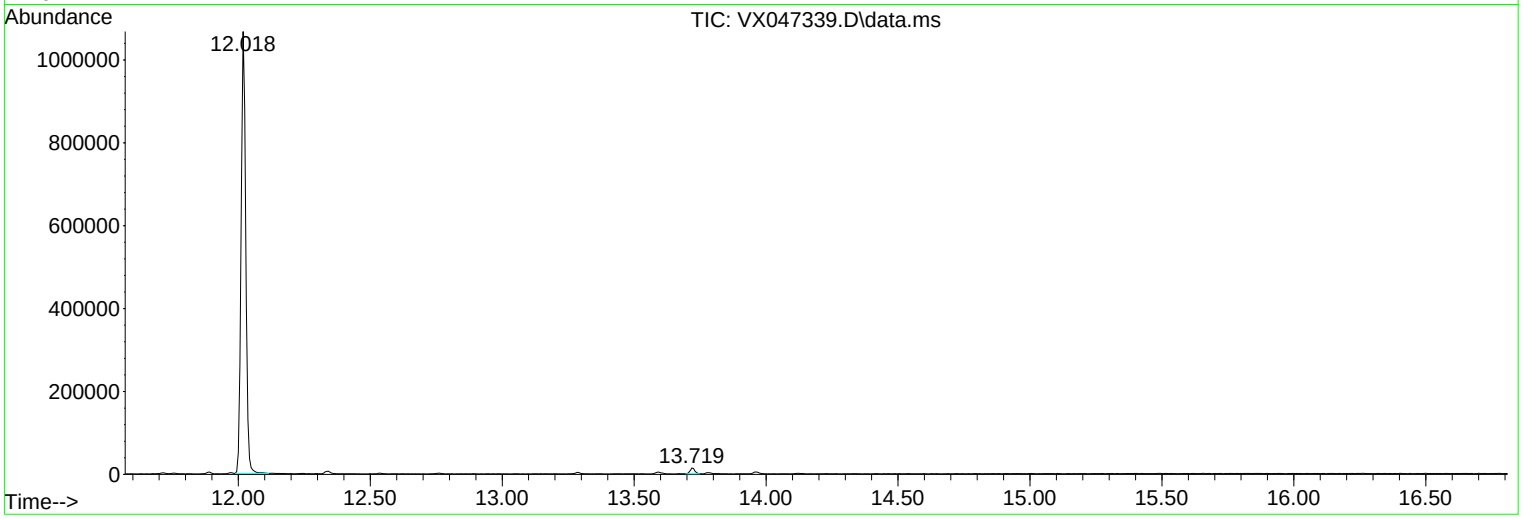
Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047339.D
Acq On : 14 Aug 2025 12:47
Operator : JC/MD
Sample : Q2814-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX081425\
Data File : VX047339.D
Acq On : 14 Aug 2025 12:47
Operator : JC/MD
Sample : Q2814-21
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: FIRS02

Lab Code: ACE SDG No.: Q2814

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

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

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

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

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.516	0.640	0.610	0.768	0.721	0.729	0.664	14.1
Chloromethane	0.582	0.668	0.626	0.699	0.667	0.701	0.657	7
Vinyl Chloride	0.578	0.739	0.700	0.780	0.716	0.723	0.706	9.7
Bromomethane		0.408	0.400	0.448	0.353	0.309	0.384	14
Chloroethane	0.547	0.482	0.436	0.470	0.423	0.424	0.464	10.3
Trichlorofluoromethane	0.853	1.123	1.058	1.158	1.054	1.071	1.053	10.1
1,1,2-Trichlorotrifluoroethane	0.558	0.671	0.646	0.675	0.627	0.631	0.634	6.7
1,1-Dichloroethene	0.553	0.659	0.635	0.674	0.624	0.625	0.628	6.7
Acetone	0.268	0.267	0.246	0.252	0.232	0.231	0.250	6.5
Carbon Disulfide	1.633	1.926	1.823	1.936	1.783	1.805	1.818	6.1
Methyl tert-butyl Ether	1.640	2.011	1.960	2.055	1.891	1.916	1.912	7.6
Methyl Acetate	0.657	0.686	0.636	0.688	0.651	0.662	0.663	3.1
Methylene Chloride	0.635	0.751	0.708	0.722	0.653	0.651	0.686	6.8
trans-1,2-Dichloroethene	0.531	0.701	0.667	0.695	0.632	0.632	0.643	9.7
1,1-Dichloroethane	1.044	1.327	1.245	1.300	1.177	1.193	1.214	8.4
Cyclohexane		1.221	1.187	1.215	1.099	1.101	1.164	5.2
2-Butanone	0.317	0.376	0.371	0.391	0.363	0.362	0.363	6.8
Carbon Tetrachloride	0.526	0.612	0.566	0.595	0.531	0.540	0.562	6.4
cis-1,2-Dichloroethene	0.670	0.832	0.777	0.807	0.739	0.744	0.761	7.6
Bromochloromethane	0.457	0.608	0.568	0.609	0.559	0.550	0.559	9.9
Chloroform	1.180	1.357	1.252	1.289	1.175	1.164	1.236	6.2
1,1,1-Trichloroethane	0.961	1.156	1.101	1.127	1.041	1.057	1.074	6.5
Methylcyclohexane	0.583	0.693	0.674	0.699	0.640	0.653	0.657	6.5
Benzene	1.327	1.656	1.573	1.650	1.451	1.480	1.523	8.4
1,2-Dichloroethane	0.468	0.587	0.558	0.576	0.512	0.517	0.536	8.5
Trichloroethene	0.350	0.427	0.392	0.420	0.371	0.383	0.391	7.5
1,2-Dichloropropane	0.334	0.419	0.393	0.408	0.363	0.371	0.381	8.2
Bromodichloromethane	0.494	0.626	0.579	0.617	0.543	0.557	0.569	8.7
4-Methyl-2-Pentanone	0.371	0.477	0.470	0.497	0.440	0.440	0.449	9.8
Toluene	0.762	1.047	0.987	1.017	0.896	0.910	0.936	11.1

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG No.: Q2814

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

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

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

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

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.429	0.549	0.546	0.592	0.548	0.562	0.538	10.4
cis-1,3-Dichloropropene	0.442	0.611	0.618	0.653	0.593	0.614	0.588	12.6
1,1,2-Trichloroethane	0.300	0.391	0.373	0.376	0.332	0.335	0.351	9.9
2-Hexanone	0.192	0.312	0.324	0.343	0.305	0.304	0.297	17.9
Dibromochloromethane	0.343	0.449	0.428	0.444	0.398	0.409	0.412	9.4
1,2-Dibromoethane	0.334	0.398	0.377	0.395	0.349	0.351	0.367	7.3
Tetrachloroethene	0.322	0.403	0.381	0.376	0.337	0.344	0.360	8.6
Chlorobenzene	1.029	1.295	1.225	1.231	1.114	1.135	1.171	8.2
Ethyl Benzene	1.814	2.189	2.119	2.204	1.975	1.987	2.048	7.4
m/p-Xylenes	0.693	0.827	0.795	0.818	0.734	0.732	0.766	7.1
o-Xylene	0.586	0.820	0.769	0.785	0.704	0.711	0.729	11.4
Styrene	1.024	1.356	1.332	1.361	1.209	1.219	1.250	10.4
Bromoform	0.257	0.323	0.302	0.325	0.292	0.299	0.300	8.2
Isopropylbenzene	3.180	4.148	4.146	4.309	3.907	3.979	3.945	10.2
1,1,2,2-Tetrachloroethane	0.979	1.203	1.182	1.210	1.085	1.103	1.127	7.9
1,3-Dichlorobenzene	1.562	1.968	1.869	1.908	1.704	1.776	1.798	8.3
1,4-Dichlorobenzene	1.659	1.982	1.903	1.893	1.723	1.767	1.821	6.8
1,2-Dichlorobenzene	1.533	1.873	1.764	1.824	1.625	1.691	1.718	7.4
1,2-Dibromo-3-Chloropropane	0.140	0.223	0.223	0.239	0.231	0.242	0.216	17.6
1,2,4-Trichlorobenzene	0.919	1.189	1.159	1.224	1.144	1.176	1.135	9.6
1,2,3-Trichlorobenzene	0.925	1.120	1.117	1.172	1.102	1.126	1.094	7.9
1,2-Dichloroethane-d4		0.768	0.511	0.575	0.611	0.649	0.623	15.4
Dibromofluoromethane		0.355	0.262	0.296	0.302	0.328	0.309	11.3
Toluene-d8		1.293	0.821	0.924	0.946	1.014	1.000	17.8
4-Bromofluorobenzene		0.514	0.369	0.409	0.417	0.445	0.431	12.5

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

Response Factor Report MSVOA_X2

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

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

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

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

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

(#) = Out of Range

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

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

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

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

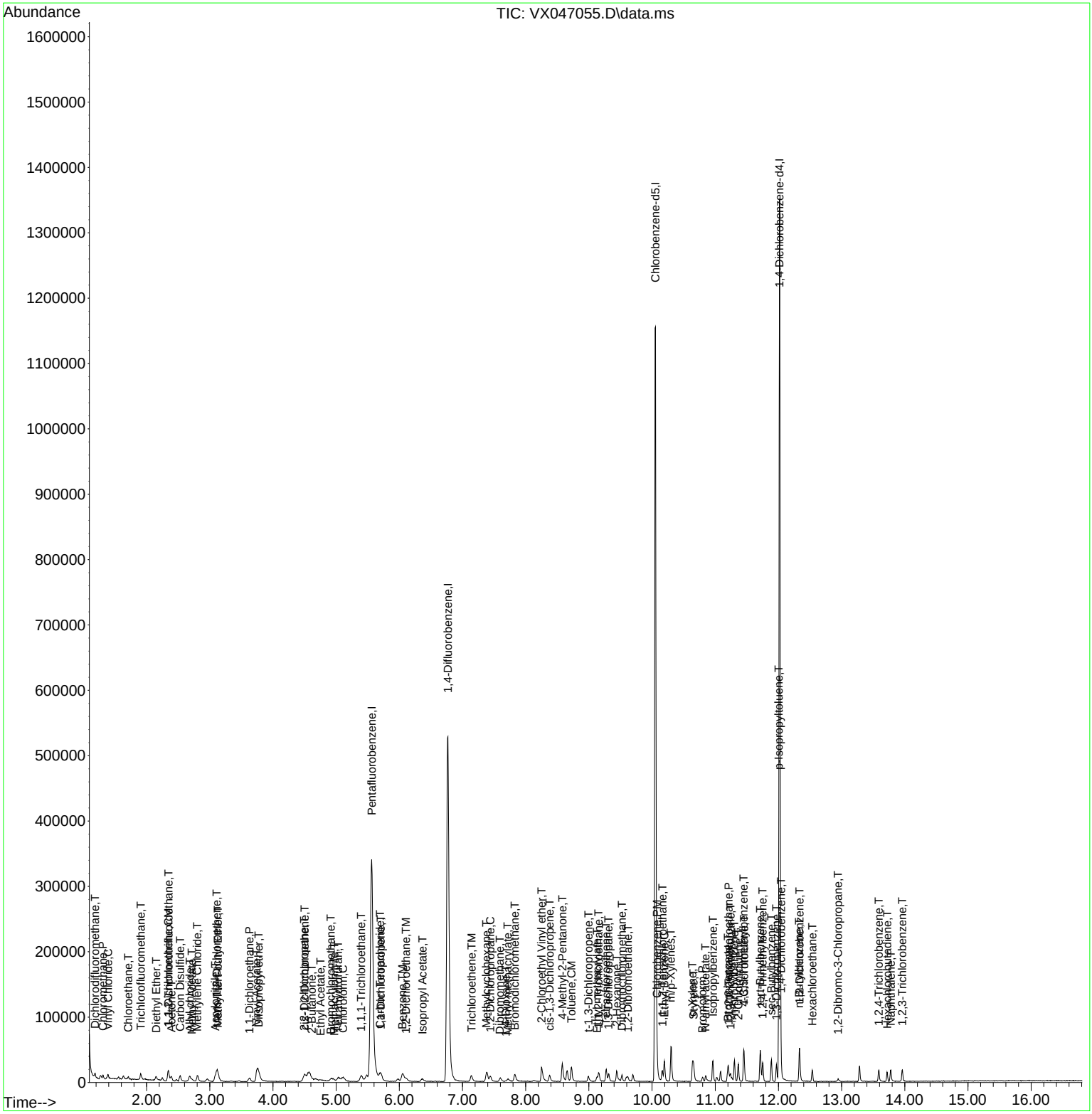
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047055.D
Acq On : 21 Jul 2025 09:47
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

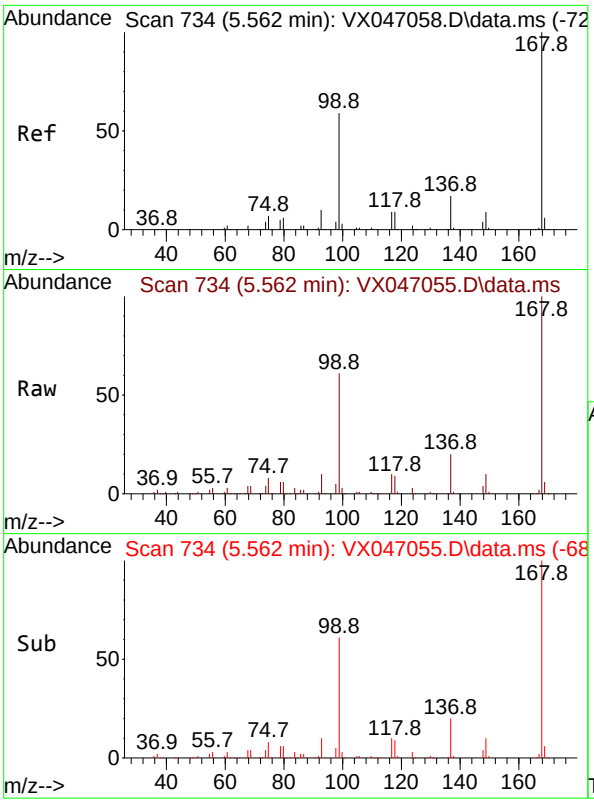
Quant Time: Jul 22 03:35:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

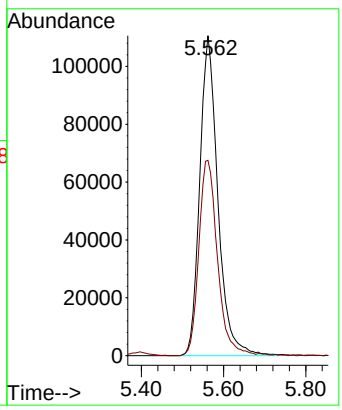




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:168 Resp: 33797

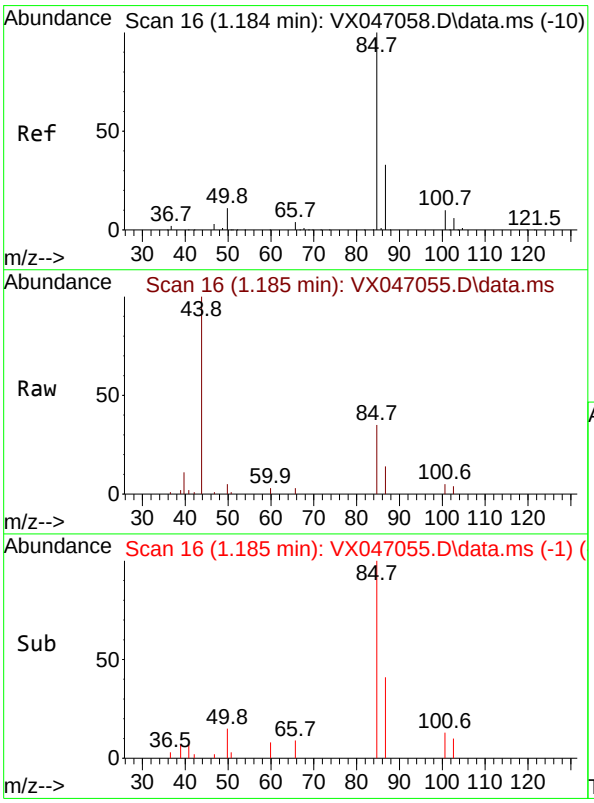
Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

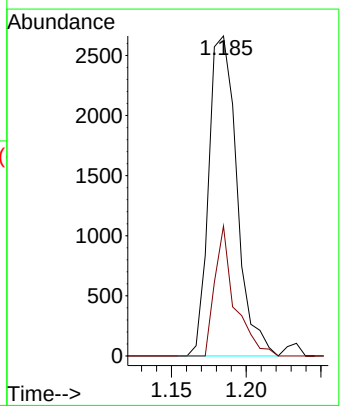
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

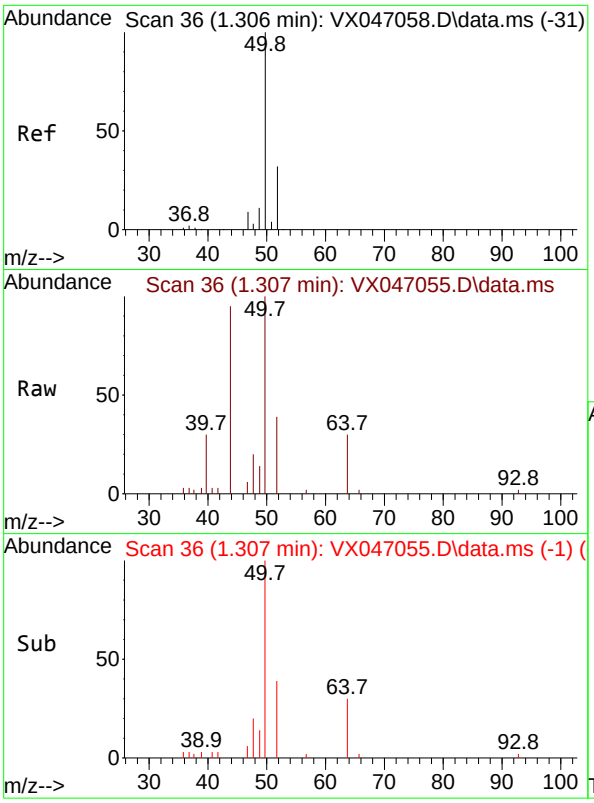


#2
Dichlorodifluoromethane
Concen: 0.777 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 85 Resp: 3490

Ion	Ratio	Lower	Upper
85	100		
87	40.6	16.6	49.8

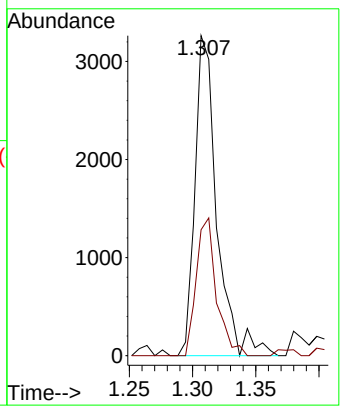




#3
Chloromethane
Concen: 0.885 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 50 Resp: 393

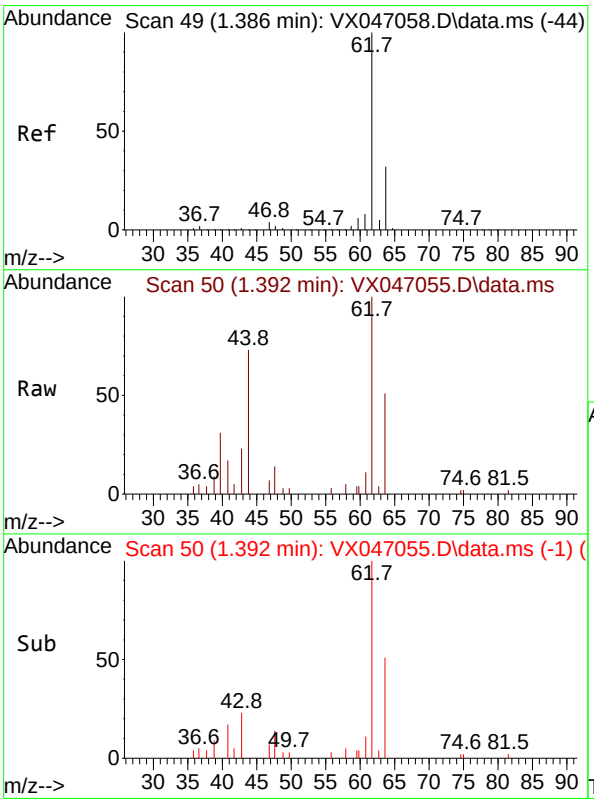
Ion	Ratio	Lower	Upper
50	100		
52	39.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

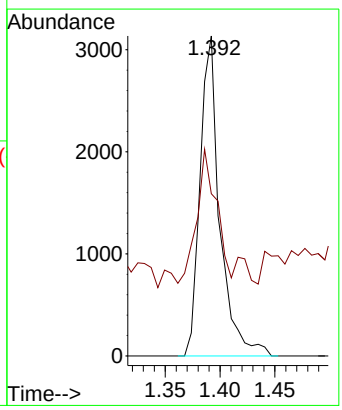
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

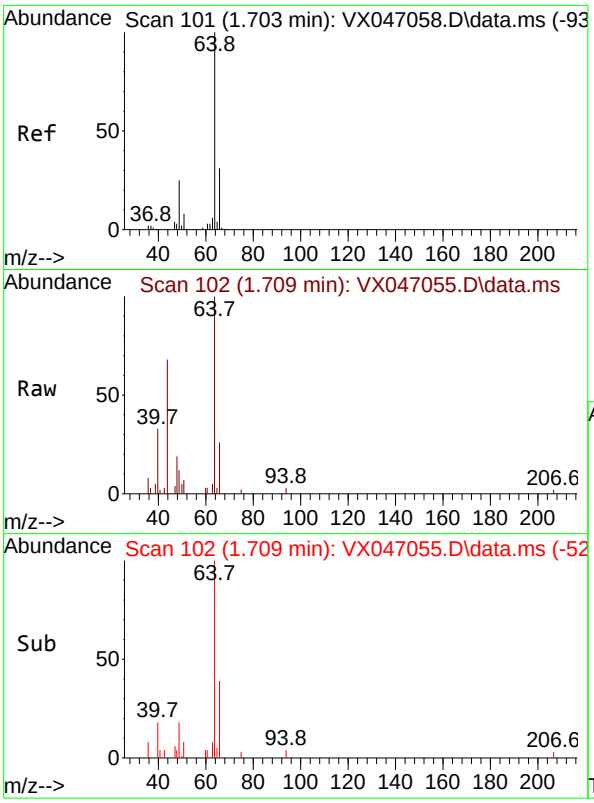


#4
Vinyl Chloride
Concen: 0.819 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 62 Resp: 3909

Ion	Ratio	Lower	Upper
62	100		
64	28.0	25.2	37.8





#6
Chloroethane
Concen: 1.180 ug/l
RT: 1.709 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

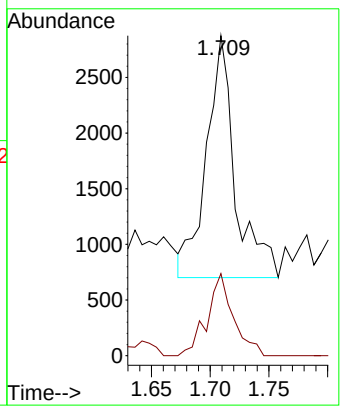
Tgt Ion: 64 Resp: 369

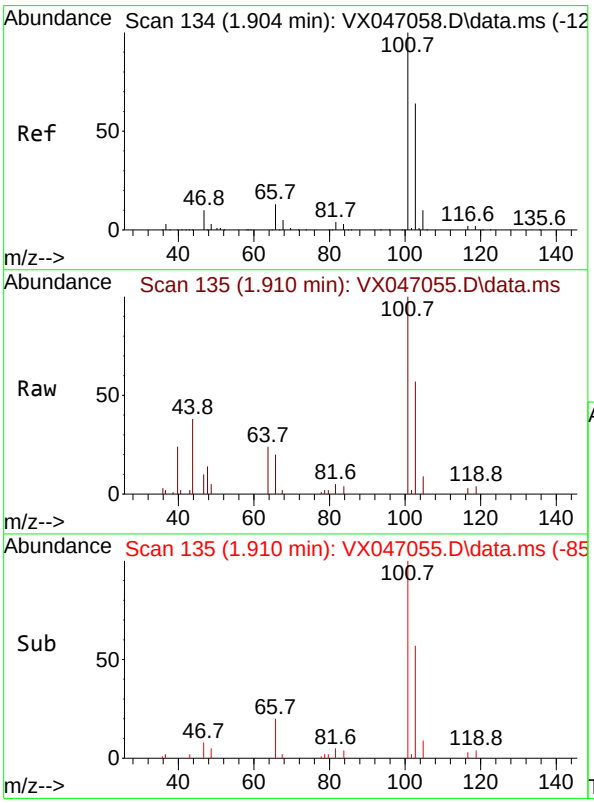
Ion	Ratio	Lower	Upper
64	100		
66	34.0	25.0	37.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

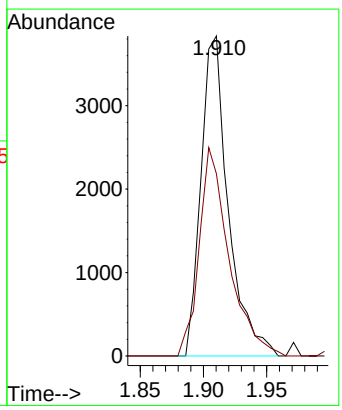


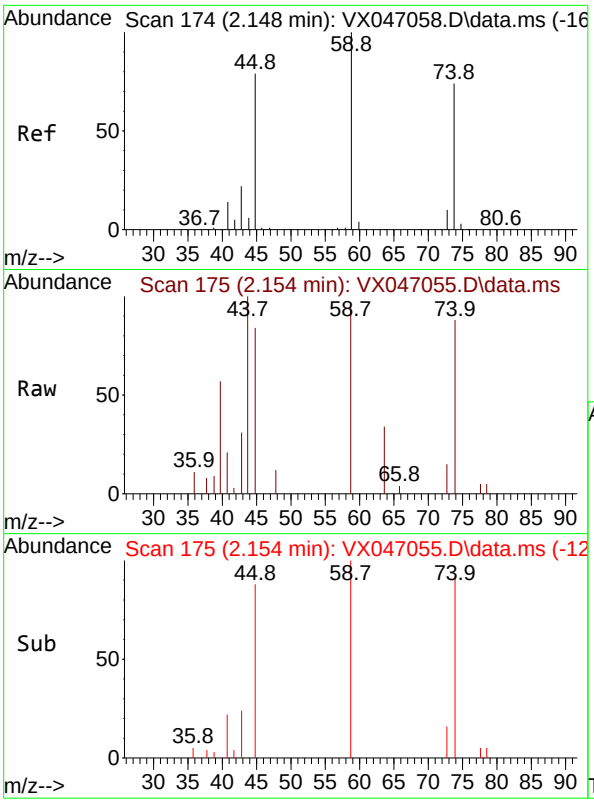


#7
Trichlorofluoromethane
Concen: 0.810 ug/l
RT: 1.910 min Scan# 135
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:101 Resp: 5767

Ion	Ratio	Lower	Upper
101	100		
103	56.9	50.9	76.3





#8
Diethyl Ether
Concen: 0.887 ug/l
RT: 2.154 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

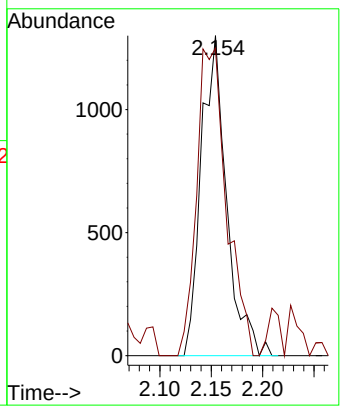
Tgt Ion: 74 Resp: 222

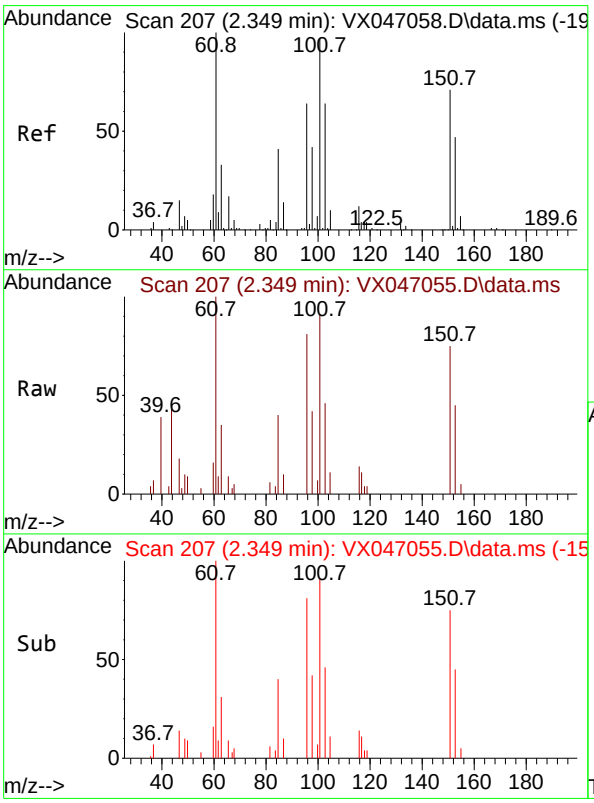
Ion	Ratio	Lower	Upper
74	100		
45	113.7	53.0	159.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

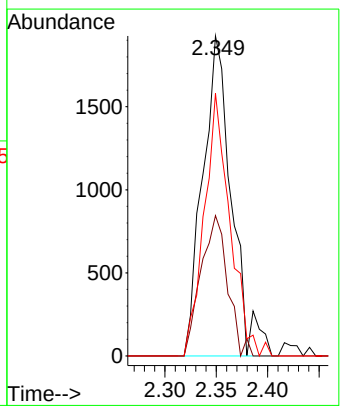


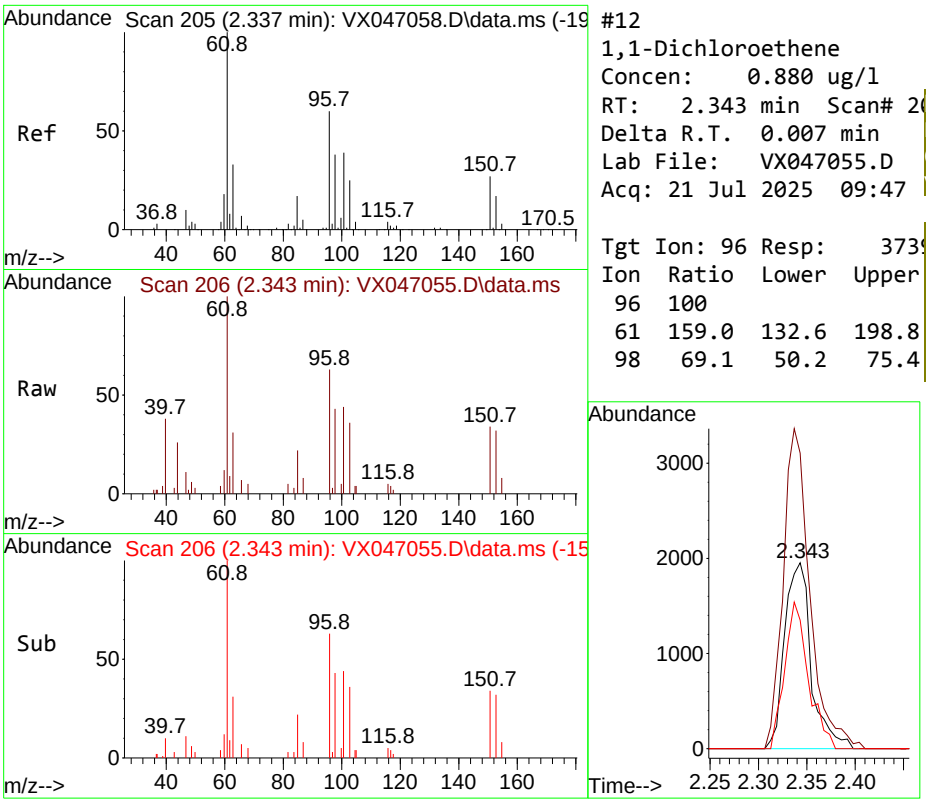


#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.879 ug/l
RT: 2.349 min Scan# 207
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:101 Resp: 3769

Ion	Ratio	Lower	Upper
101	100		
85	40.5	35.4	53.0
151	73.5	59.2	88.8





#12
1,1-Dichloroethene
Concen: 0.880 ug/l
RT: 2.343 min Scan# 2
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

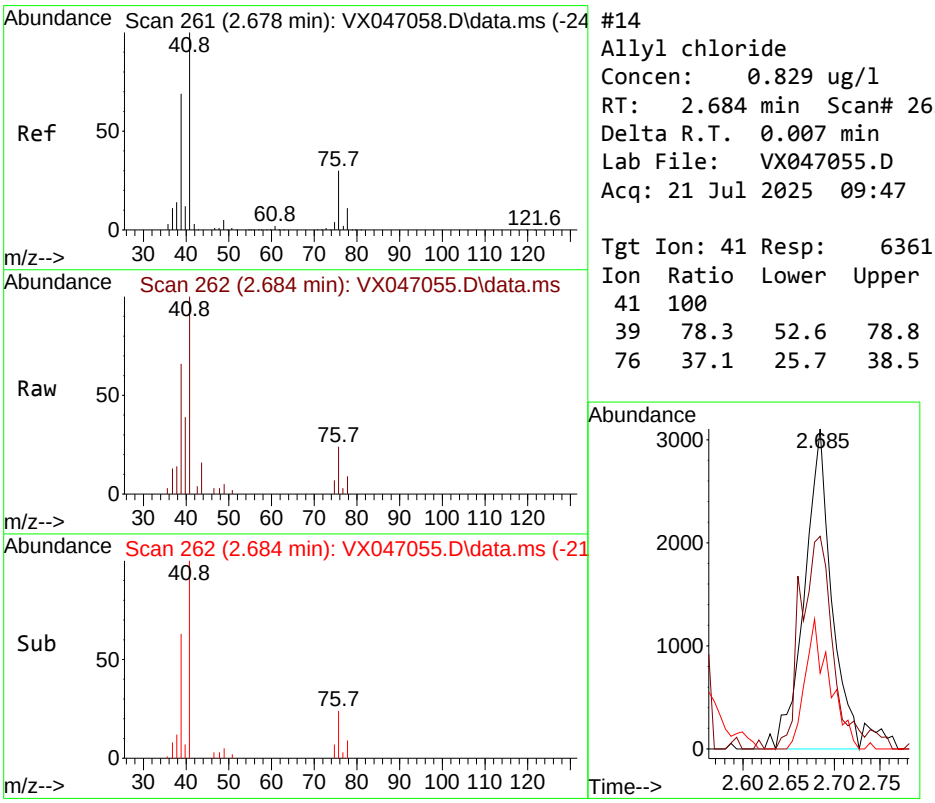
Tgt Ion: 96 Resp: 373

Ion	Ratio	Lower	Upper
96	100		
61	159.0	132.6	198.8
98	69.1	50.2	75.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

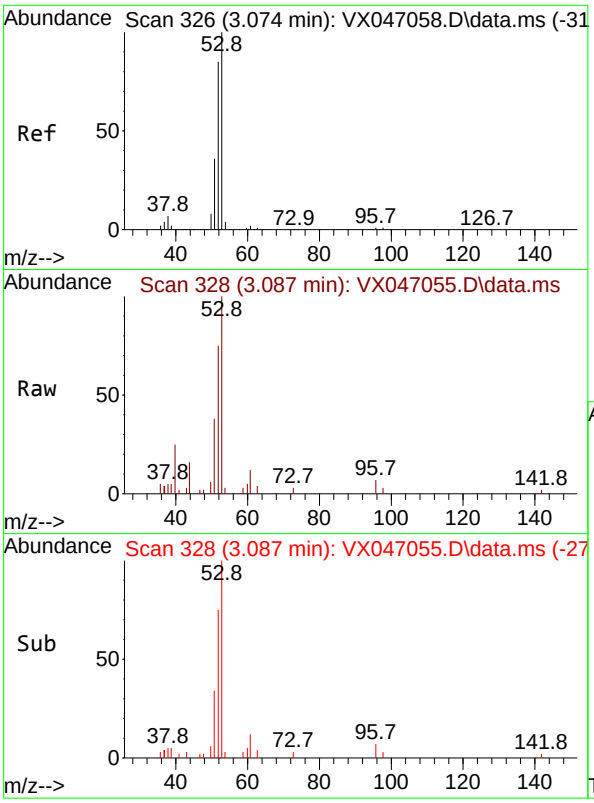
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#14
Allyl chloride
Concen: 0.829 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 41 Resp: 6361

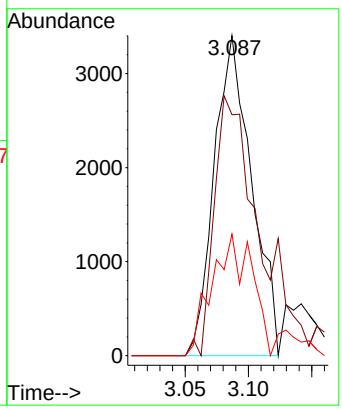
Ion	Ratio	Lower	Upper
41	100		
39	78.3	52.6	78.8
76	37.1	25.7	38.5



#15
Acrylonitrile
Concen: 3.493 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.013 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 53 Resp: 701

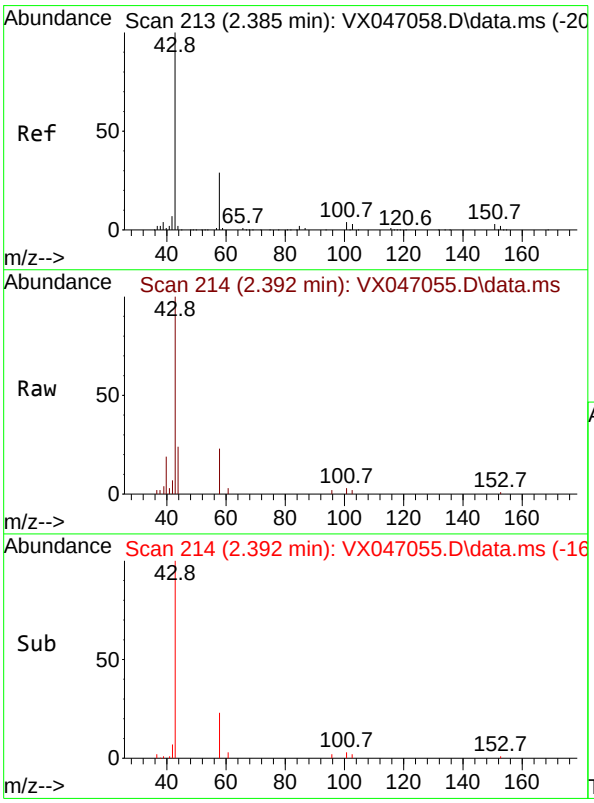
Ion	Ratio	Lower	Upper
53	100		
52	96.5	65.7	98.5
51	40.6	28.8	43.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

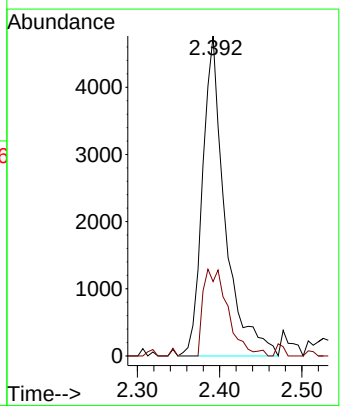
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

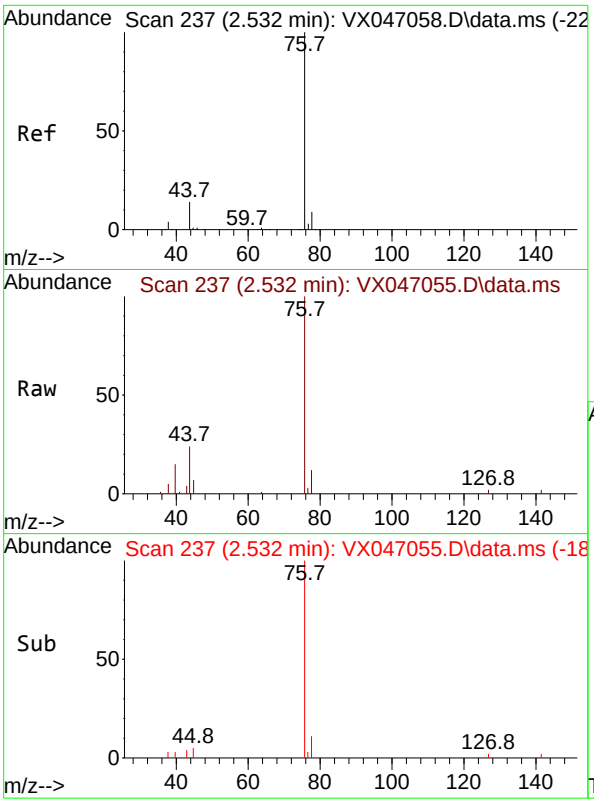


#16
Acetone
Concen: 5.378 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 9071

Ion	Ratio	Lower	Upper
43	100		
58	23.3	24.0	36.0#





#17
Carbon Disulfide
Concen: 0.898 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

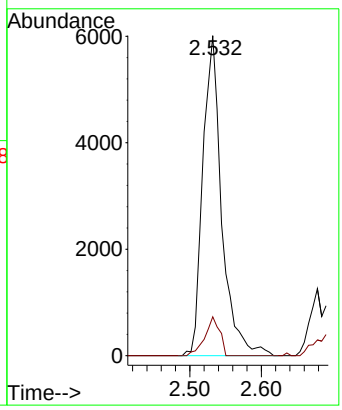
Tgt Ion: 76 Resp: 1103

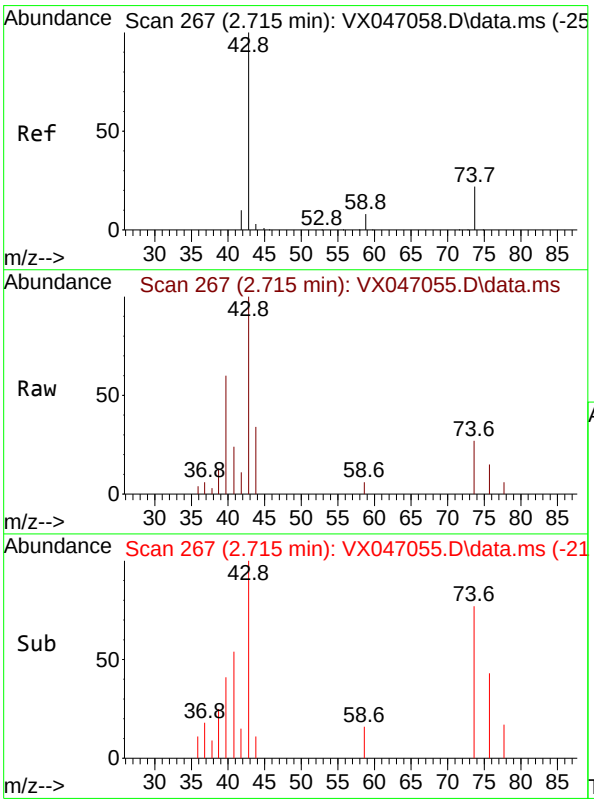
Ion	Ratio	Lower	Upper
76	100		
78	11.8	7.0	10.4#

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

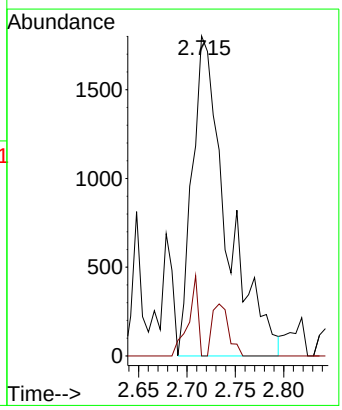


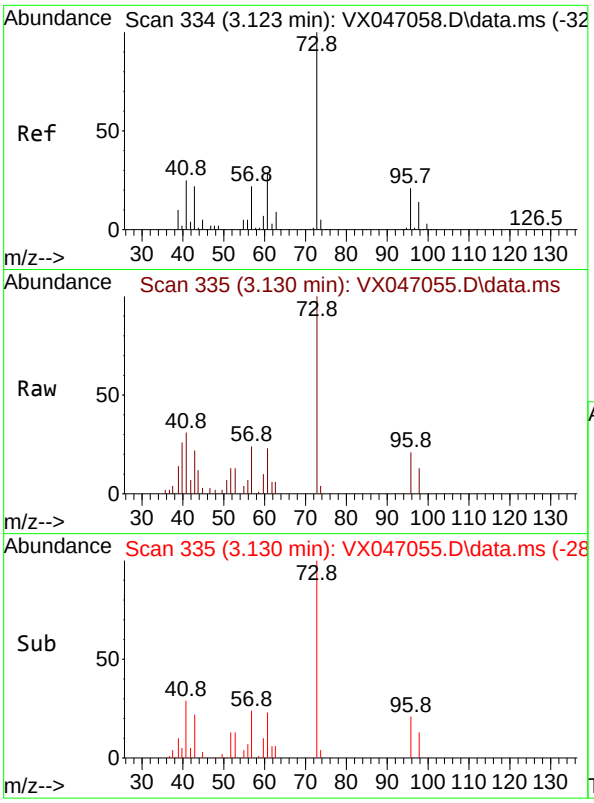


#18
Methyl Acetate
Concen: 0.991 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 4440

Ion	Ratio	Lower	Upper
43	100		
74	7.0	17.7	26.5#

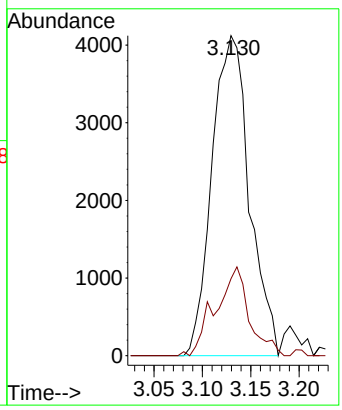




#19
Methyl tert-butyl Ether
Concen: 0.858 ug/l
RT: 3.130 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 73 Resp: 1108

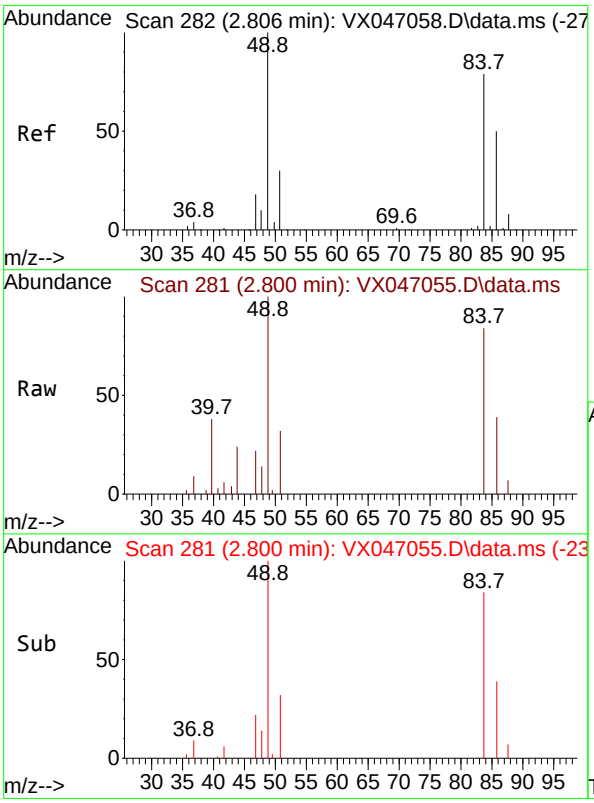
Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

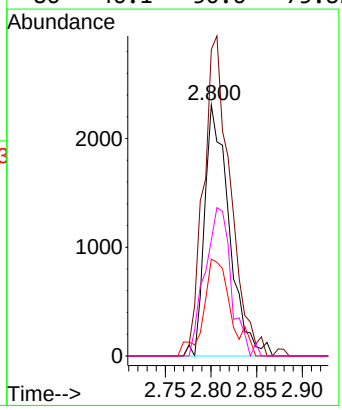
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

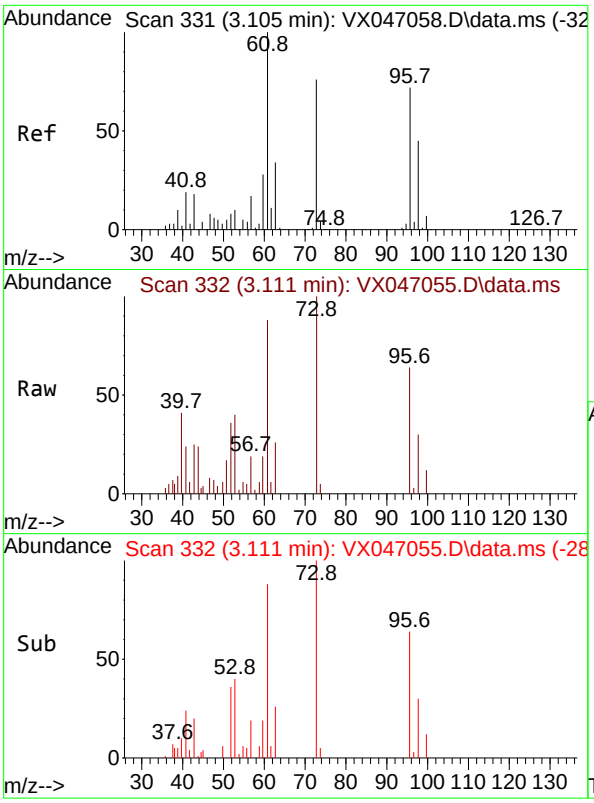


#20
Methylene Chloride
Concen: 0.924 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 84 Resp: 4289

Ion	Ratio	Lower	Upper
84	100		
49	122.0	101.6	152.4
51	38.6	30.3	45.5
86	46.1	50.6	75.8#

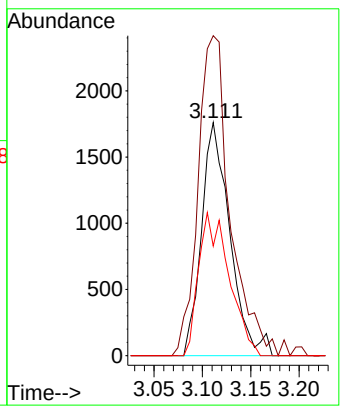




#21
trans-1,2-Dichloroethene
Concen: 0.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 96 Resp: 359

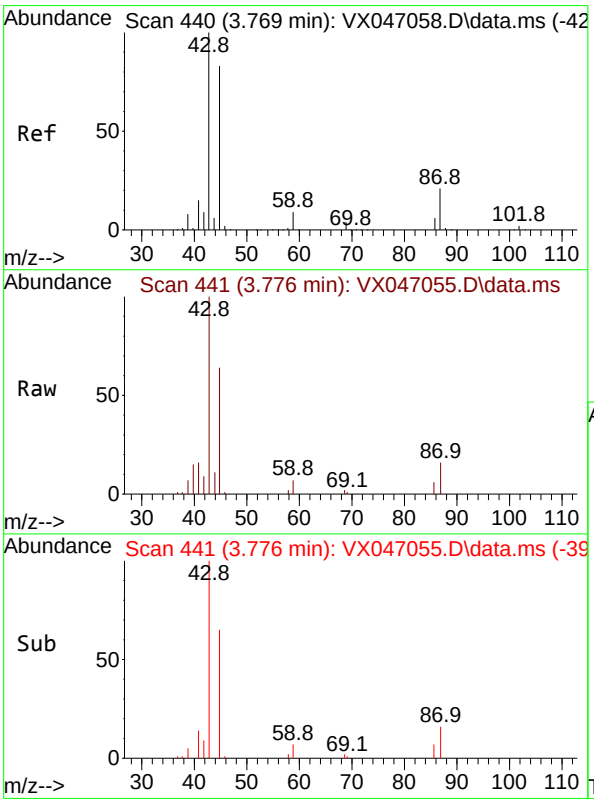
Ion	Ratio	Lower	Upper
96	100		
61	140.5	111.1	166.7
98	45.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

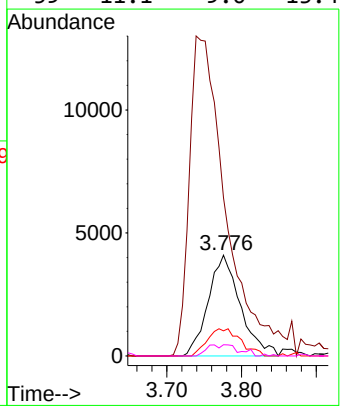
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

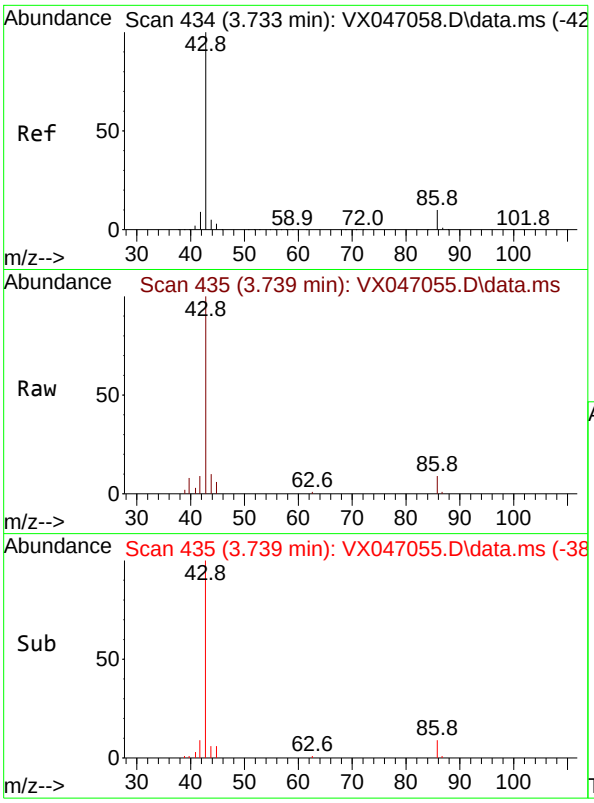


#22
Diisopropyl ether
Concen: 0.828 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 45 Resp: 12222

Ion	Ratio	Lower	Upper
45	100		
43	132.0	96.8	145.2
87	24.9	20.5	30.7
59	11.1	9.0	13.4

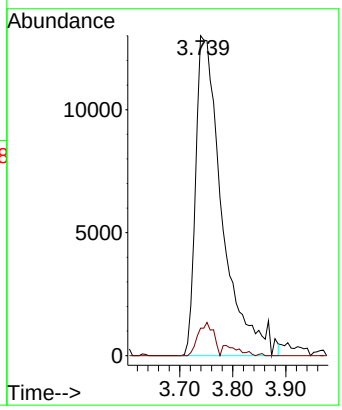




#23
Vinyl Acetate
Concen: 3.805 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 4504

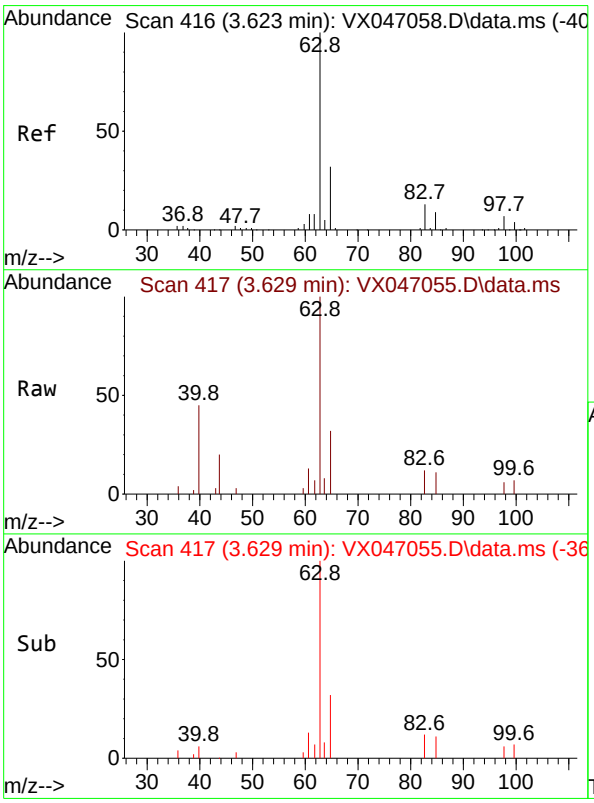
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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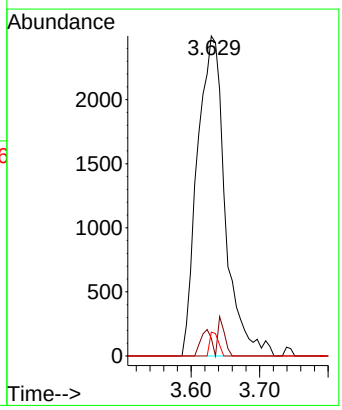
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

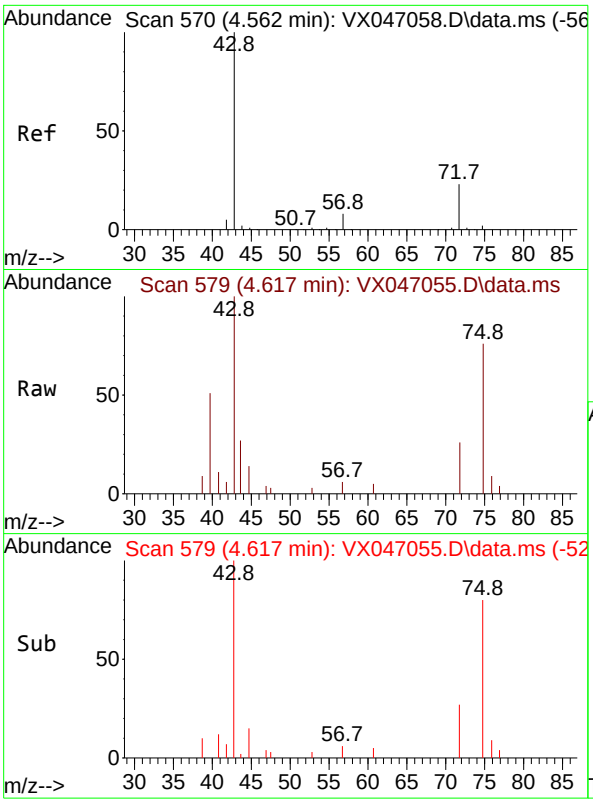


#24
1,1-Dichloroethane
Concen: 0.859 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 63 Resp: 7054

Ion	Ratio	Lower	Upper
63	100		
98	5.1	3.6	10.8
100	6.9	2.3	6.8#

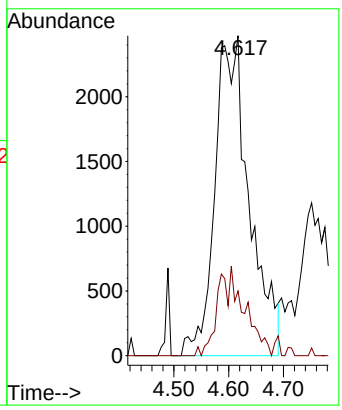




#25
2-Butanone
Concen: 4.367 ug/l
RT: 4.617 min Scan# 5
Delta R.T. 0.055 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 1072

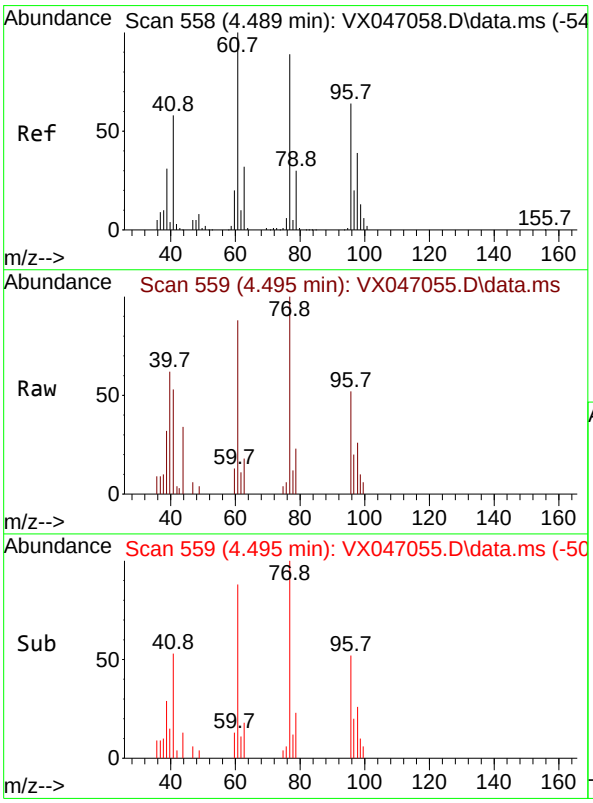
Ion	Ratio	Lower	Upper
43	100		
72	24.2	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

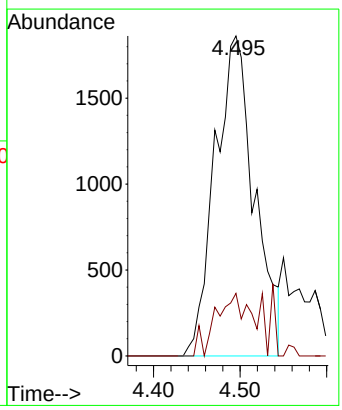
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

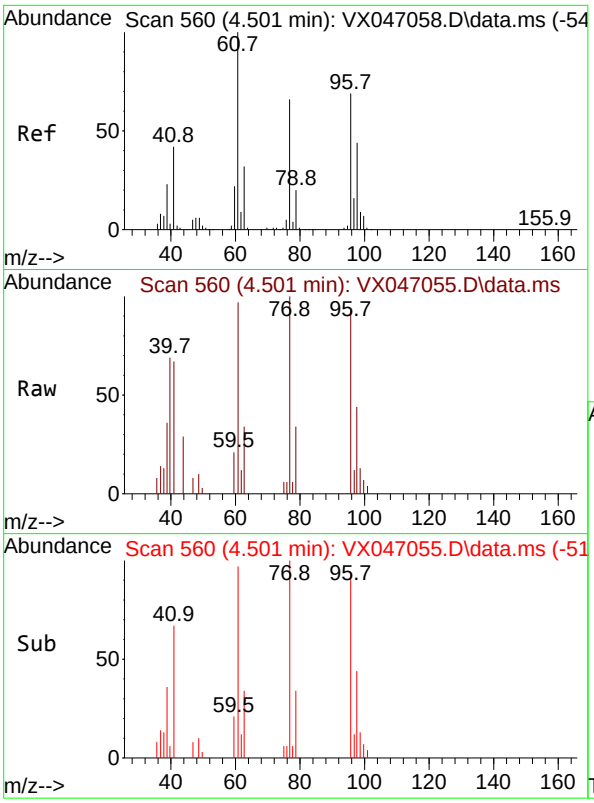


#26
2,2-Dichloropropane
Concen: 0.929 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 77 Resp: 5905

Ion	Ratio	Lower	Upper
77	100		
97	16.7	11.4	34.1

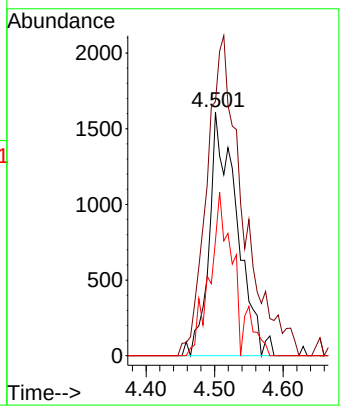




#27
cis-1,2-Dichloroethene
Concen: 0.880 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 96 Resp: 452

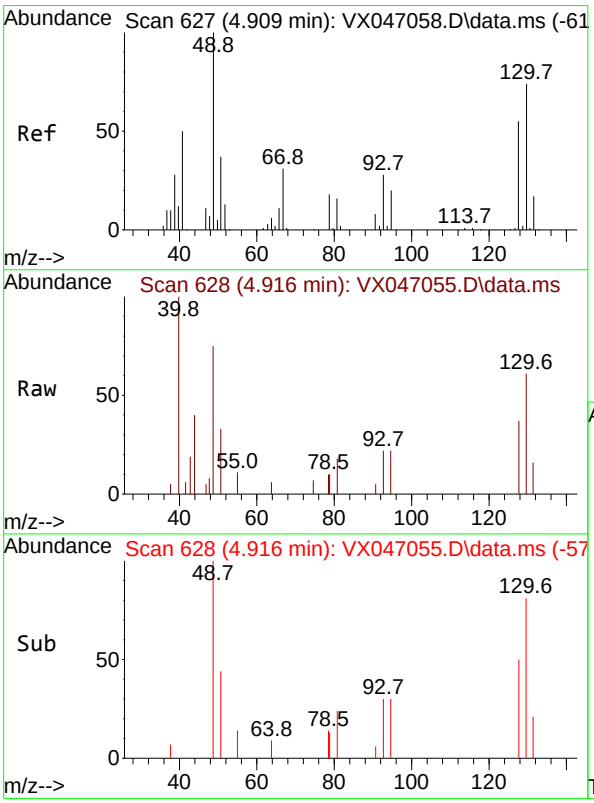
Ion	Ratio	Lower	Upper
96	100		
61	170.3	0.0	298.6
98	53.7	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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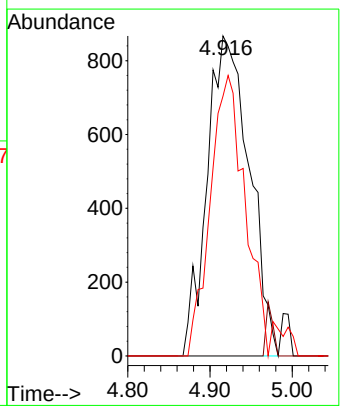
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

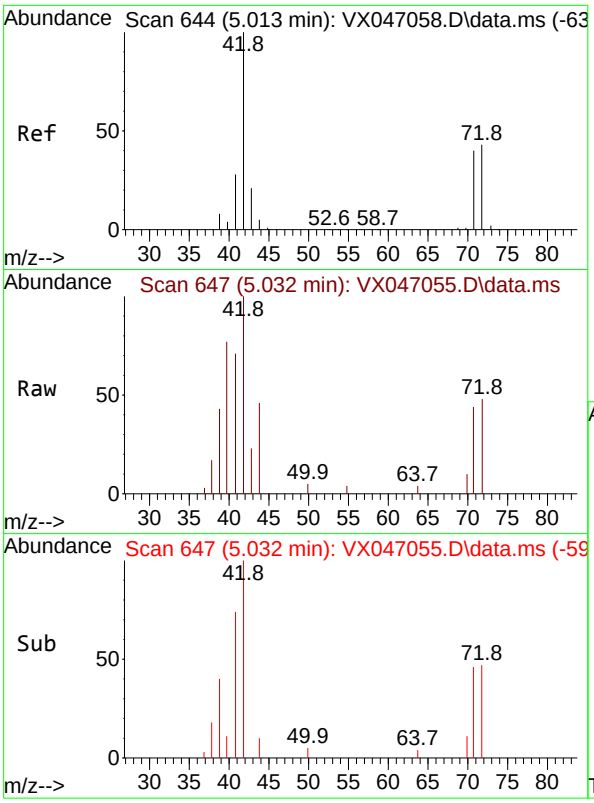


#28
Bromochloromethane
Concen: 0.819 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 49 Resp: 3092

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	72.3	59.0	88.4





#29
Tetrahydrofuran
Concen: 3.890 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

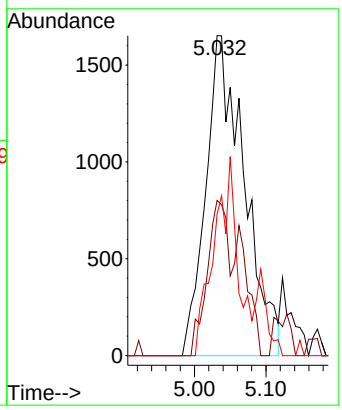
Tgt Ion: 42 Resp: 616

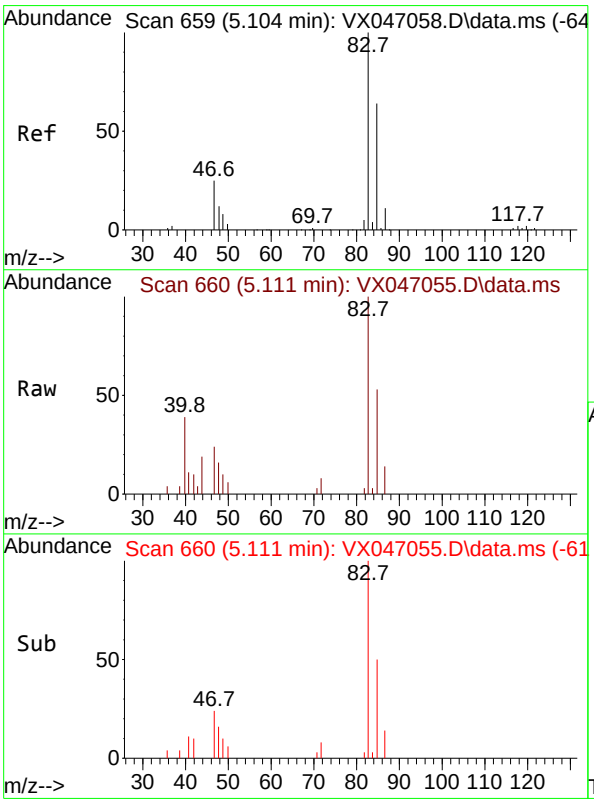
Ion	Ratio	Lower	Upper
42	100		
72	26.7	33.7	50.5
71	38.0	31.0	46.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

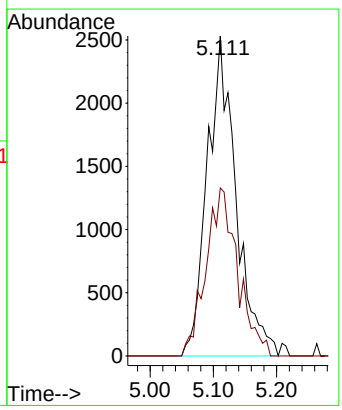


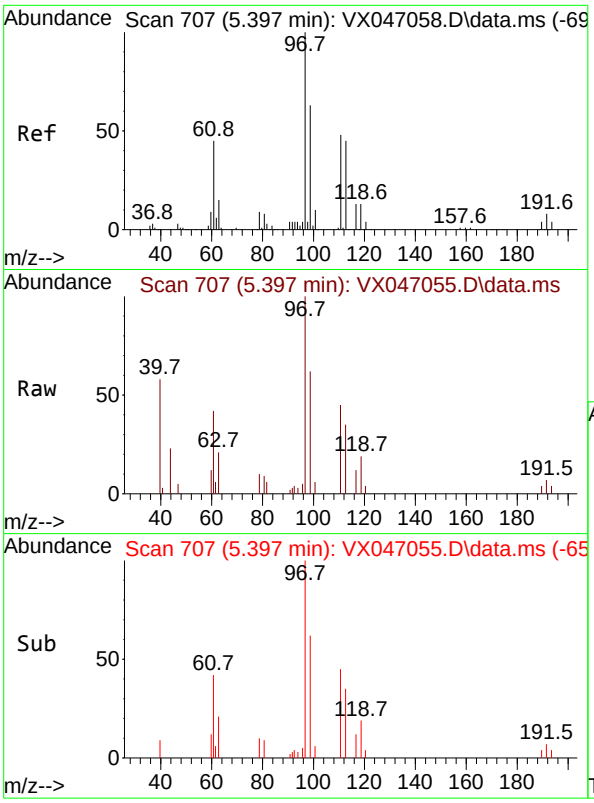


#30
Chloroform
Concen: 0.955 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 83 Resp: 7976

Ion	Ratio	Lower	Upper
83	100		
85	52.5	50.9	76.3

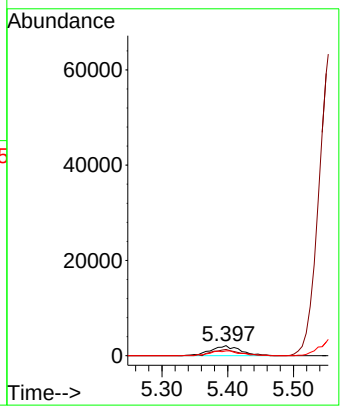




#32
1,1,1-Trichloroethane
Concen: 0.895 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 97 Resp: 649

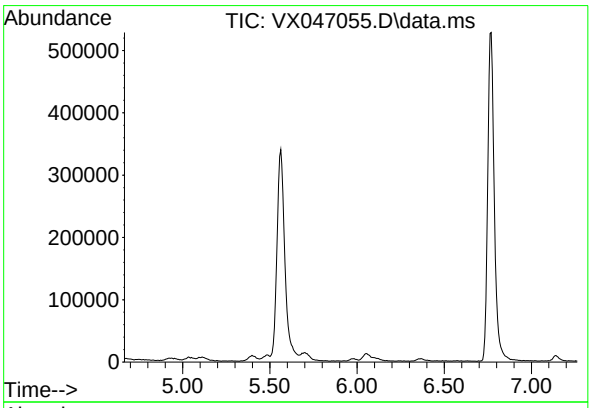
Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	48.6	37.1	55.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
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Reviewed By :John Carlone 07/22/2025
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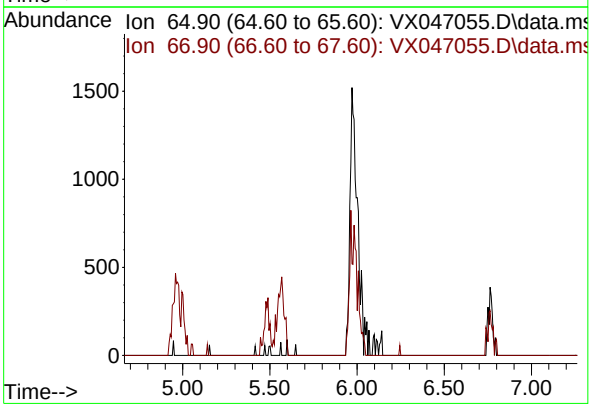


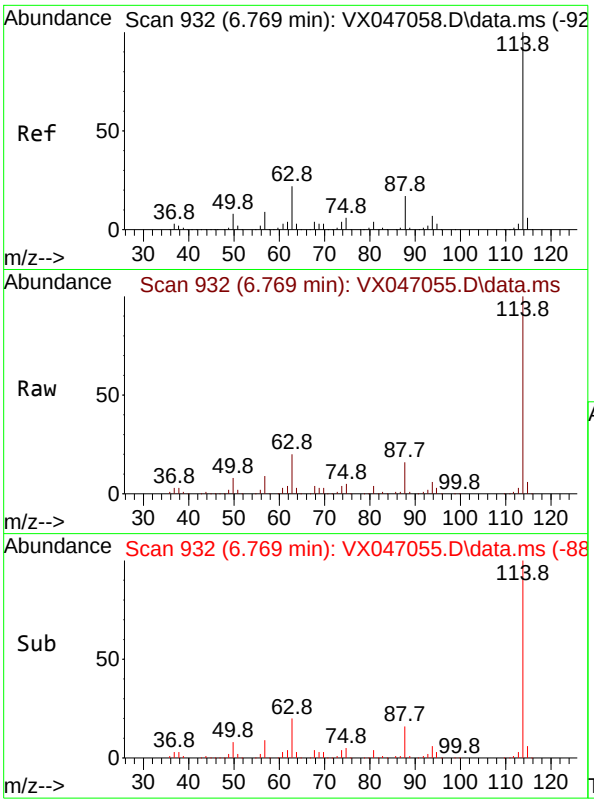
#33
1,2-Dichloroethane-d4
Concen: 0.000 ug/l
Expected RT: 5.96 min

Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 65

Sig	Exp Ratio
65	100
67	52.4





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

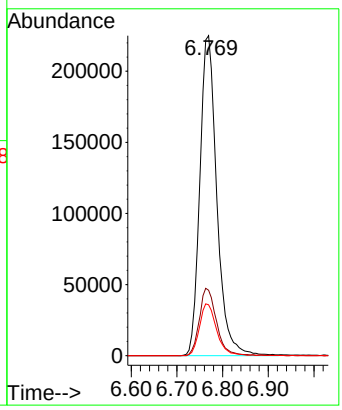
Tgt Ion:114 Resp: 58222

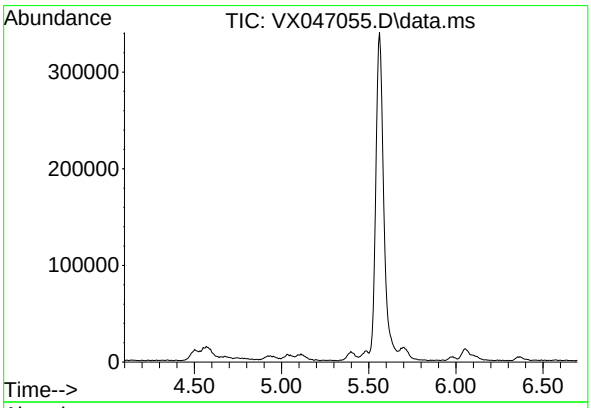
Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.2
88	15.9	0.0	33.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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



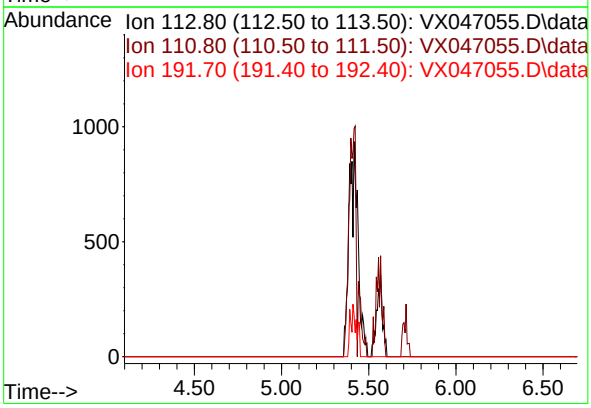


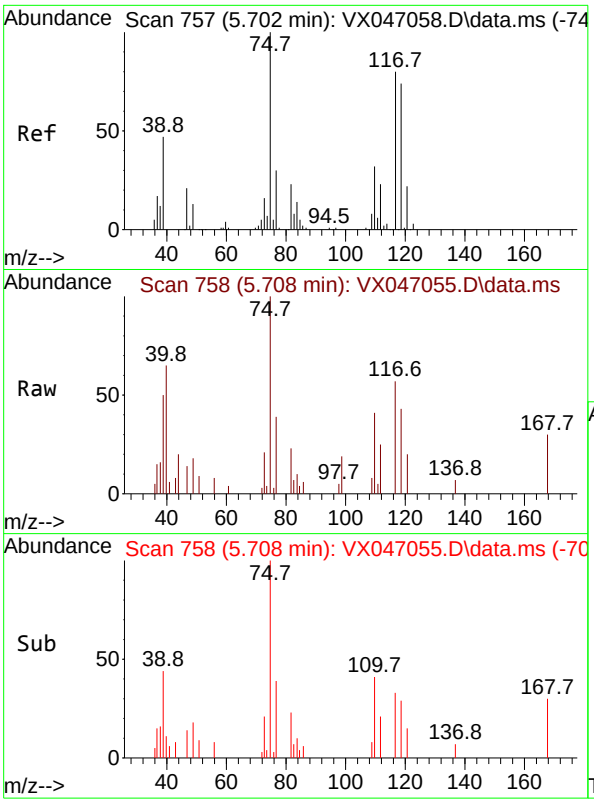
#35
Dibromofluoromethane
Concen: 0.000 ug/l
Expected RT: 5.40 min

Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 113

Sig	Exp Ratio
113	100
111	103.3
192	18.6

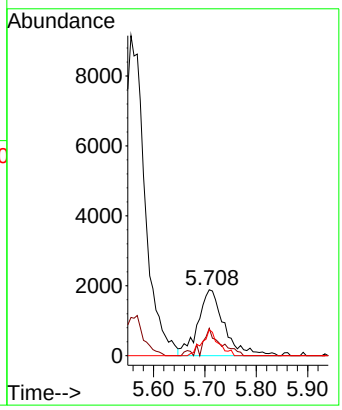




#36
1,1-Dichloropropene
Concen: 1.094 ug/l
RT: 5.708 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 75 Resp: 670

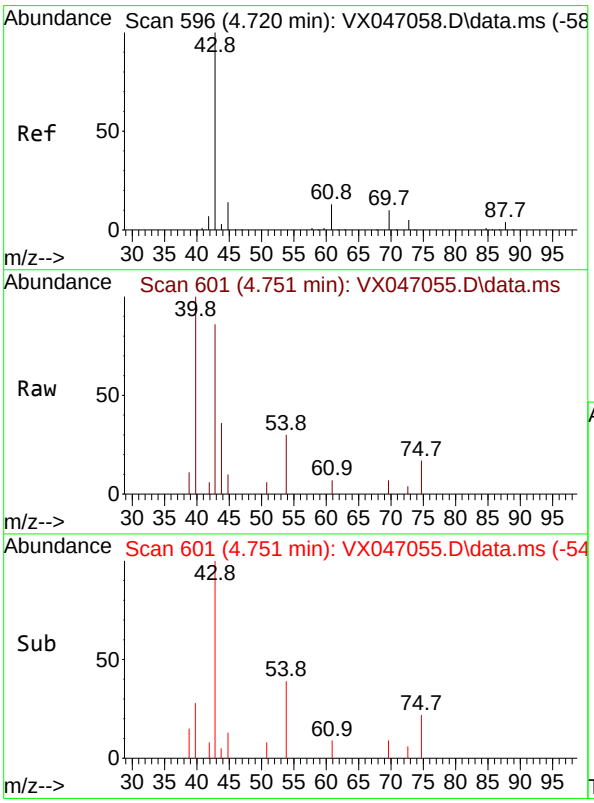
Ion	Ratio	Lower	Upper
75	100		
110	26.3	17.2	51.5
77	24.7	25.1	37.7#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

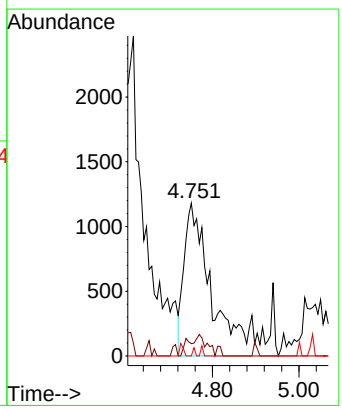
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

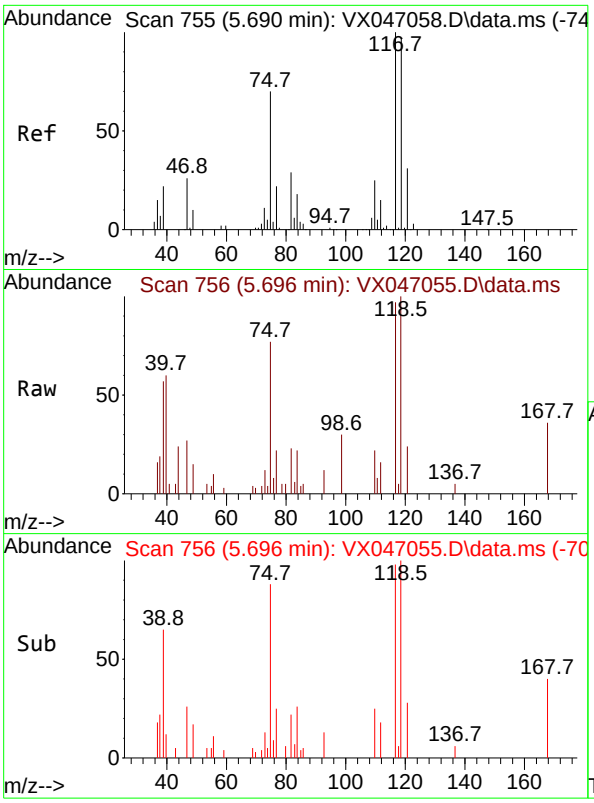


#37
Ethyl Acetate
Concen: 1.068 ug/l m
RT: 4.751 min Scan# 601
Delta R.T. 0.031 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 5770

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.2#
70	0.4	8.1	12.1#

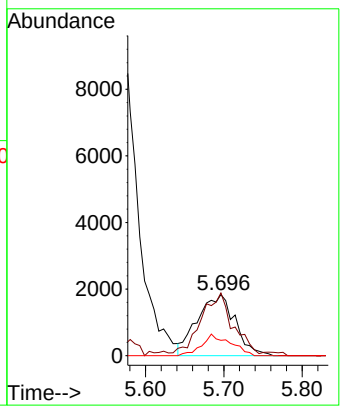




#38
Carbon Tetrachloride
Concen: 0.936 ug/l
RT: 5.696 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:117 Resp: 612

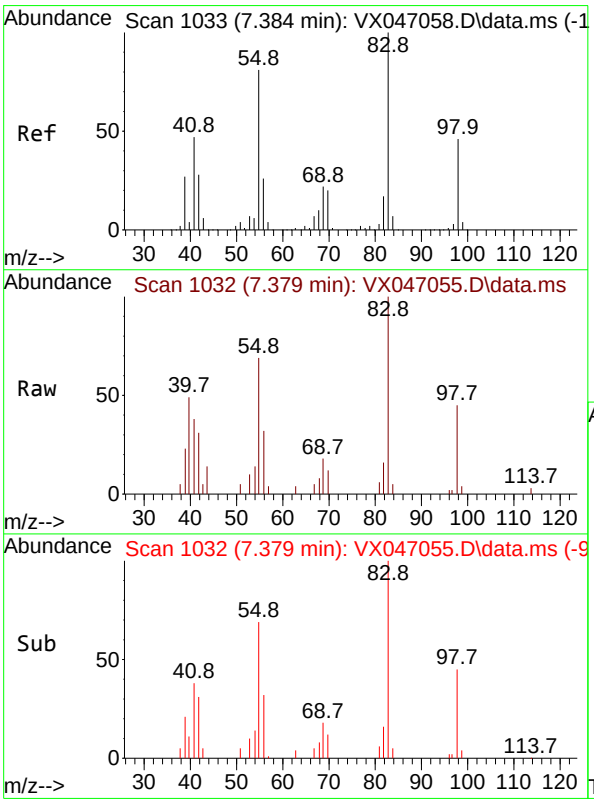
Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.6	115.0
121	25.1	24.4	36.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

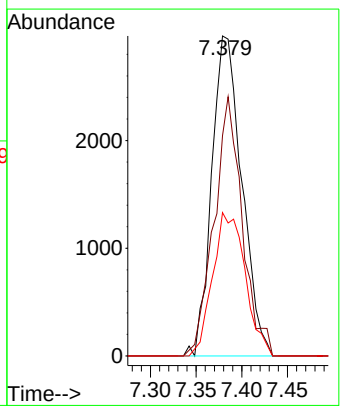
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

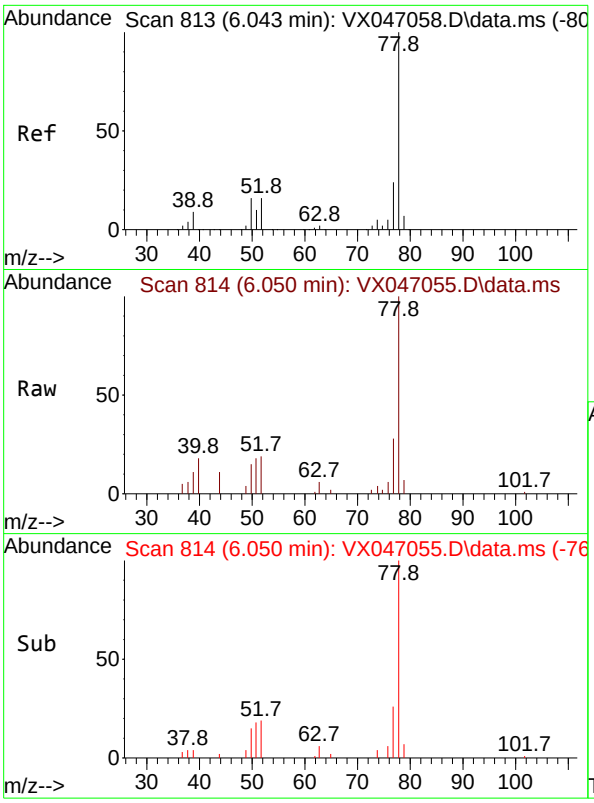


#39
Methylcyclohexane
Concen: 0.888 ug/l
RT: 7.379 min Scan# 1032
Delta R.T. -0.006 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 83 Resp: 6794

Ion	Ratio	Lower	Upper
83	100		
55	68.8	64.5	96.7
98	48.7	36.9	55.3





#40
Benzene
Concen: 0.871 ug/l
RT: 6.050 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

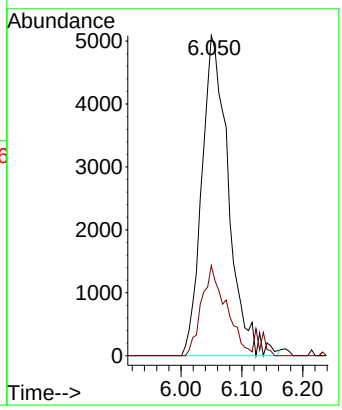
Tgt Ion: 78 Resp: 1545

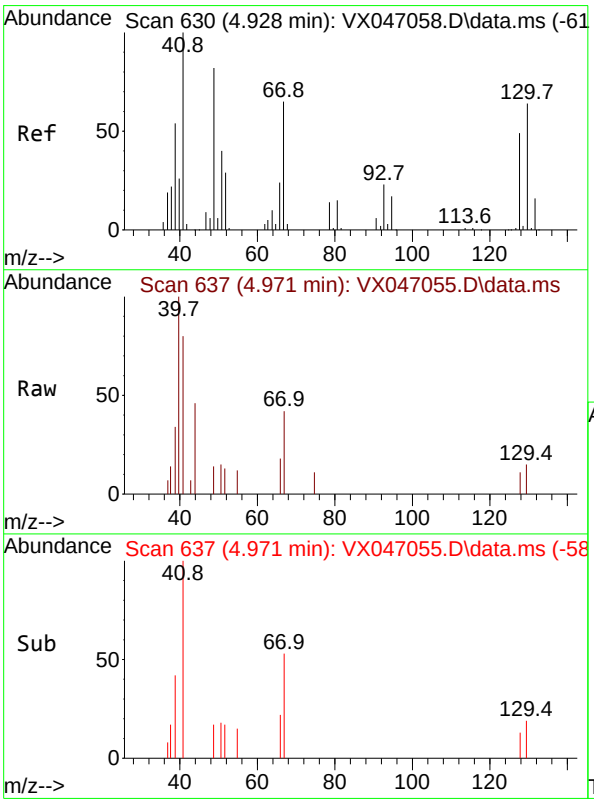
Ion	Ratio	Lower	Upper
78	100		
77	28.2	19.0	28.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

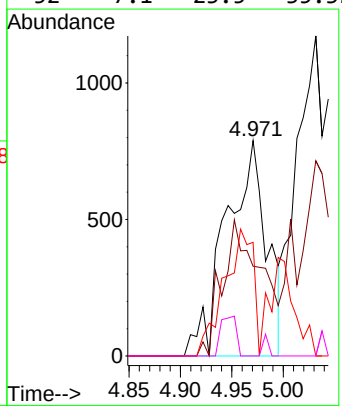


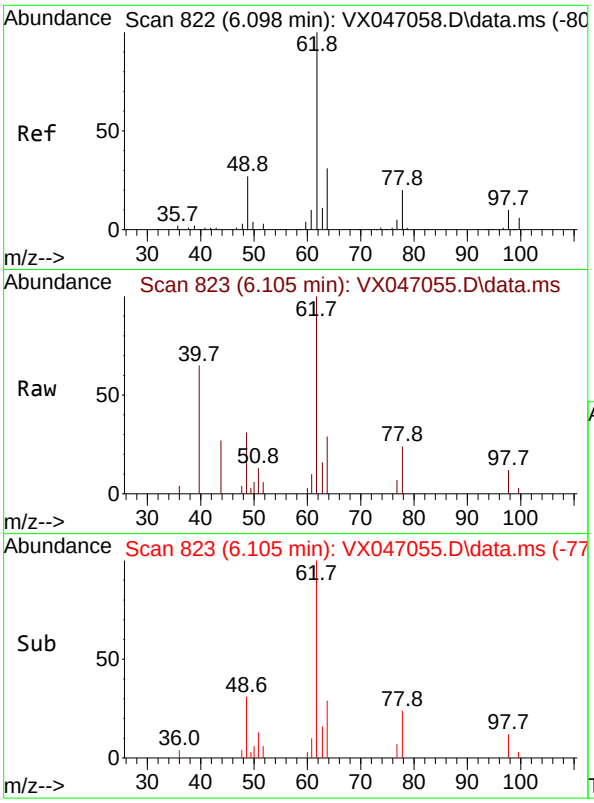


#41
Methacrylonitrile
Concen: 0.734 ug/l
RT: 4.971 min Scan# 637
Delta R.T. 0.043 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 41 Resp: 2166

Ion	Ratio	Lower	Upper
41	100		
39	60.6	44.2	66.2
67	41.7	56.4	84.6#
52	7.1	23.5	35.3#

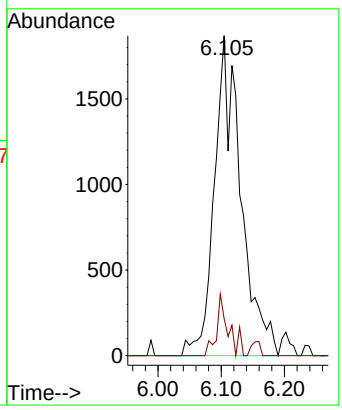




#42
1,2-Dichloroethane
Concen: 0.872 ug/l
RT: 6.105 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 62 Resp: 544

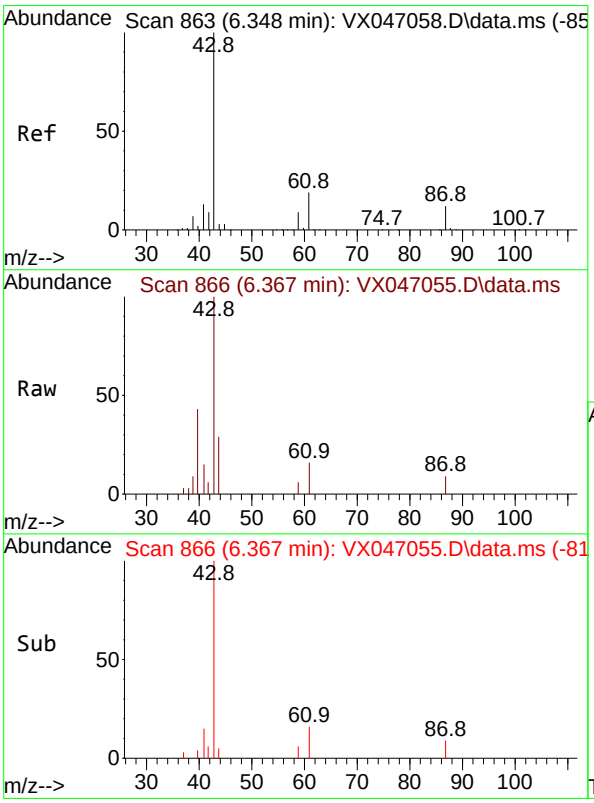
Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

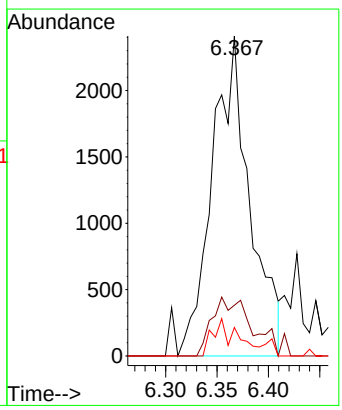
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

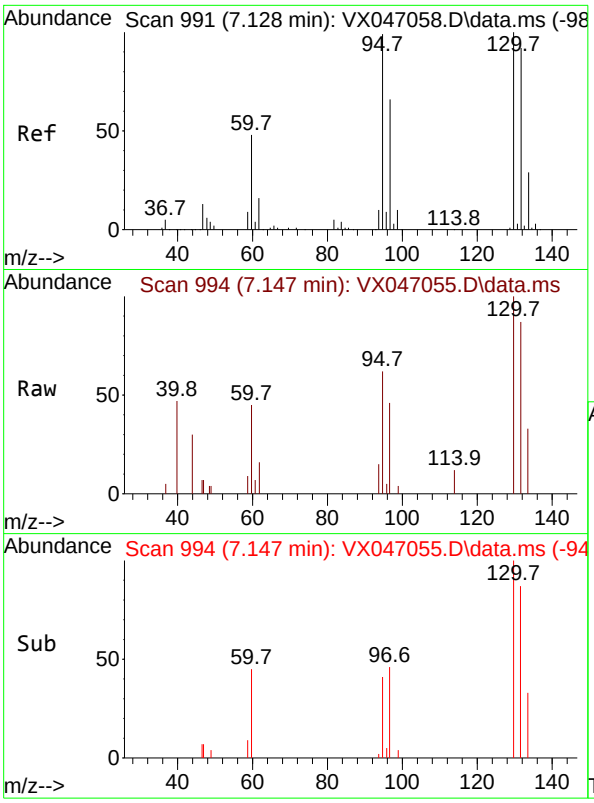


#43
Isopropyl Acetate
Concen: 0.697 ug/l
RT: 6.367 min Scan# 866
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 6134

Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.1	22.7
87	7.7	9.7	14.5#

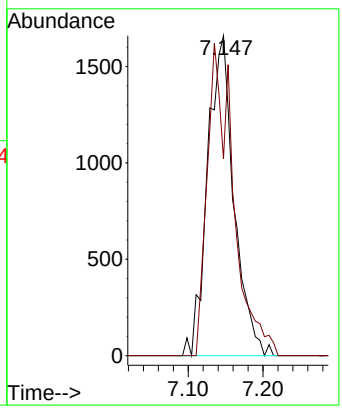




#44
Trichloroethene
Concen: 0.896 ug/l
RT: 7.147 min Scan# 9
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:130 Resp: 407

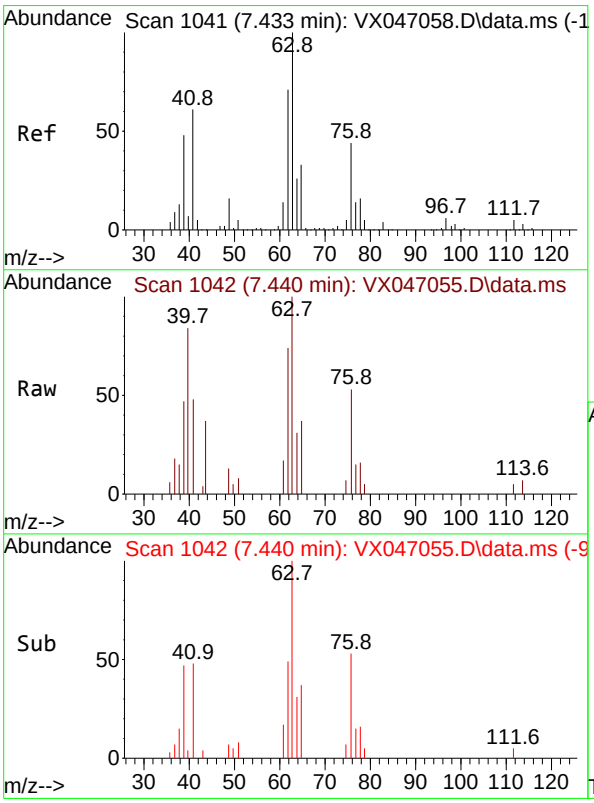
Ion	Ratio	Lower	Upper
130	100		
95	61.5	0.0	198.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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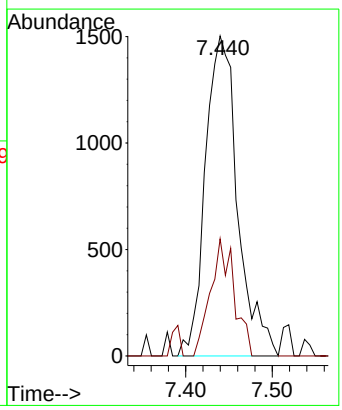
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

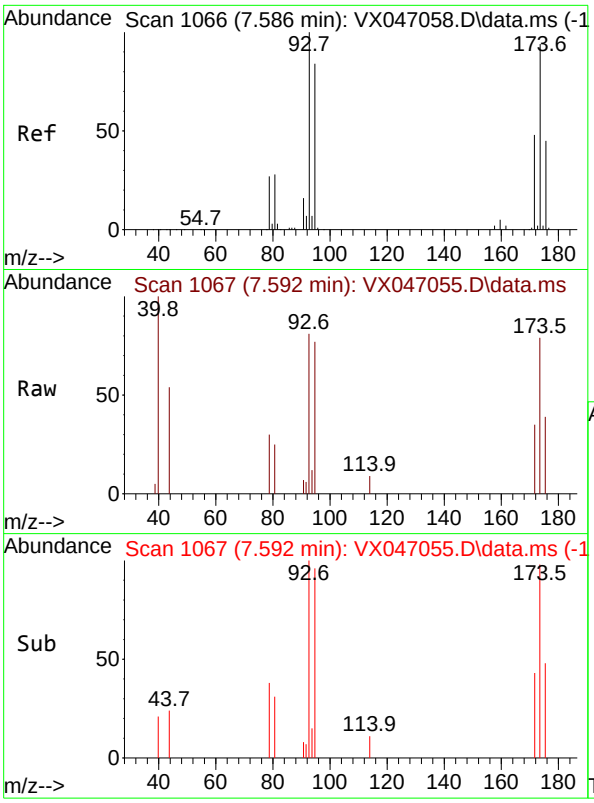


#45
1,2-Dichloropropane
Concen: 0.877 ug/l
RT: 7.440 min Scan# 1042
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 63 Resp: 3895

Ion	Ratio	Lower	Upper
63	100		
65	36.6	26.3	39.5

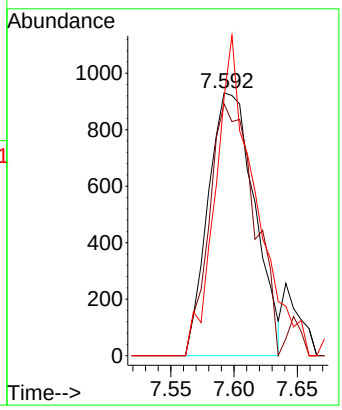




#46
Dibromomethane
Concen: 0.762 ug/l
RT: 7.592 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 93 Resp: 237

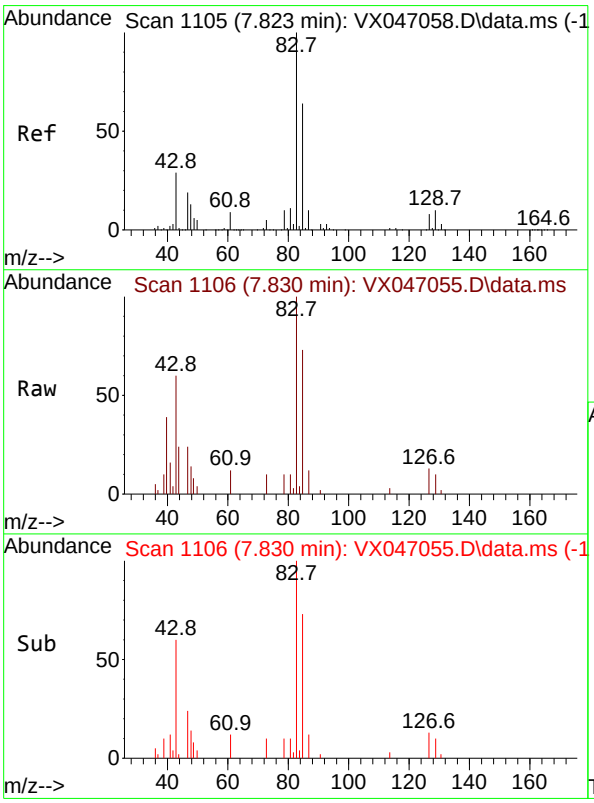
Ion	Ratio	Lower	Upper
93	100		
95	94.0	65.9	98.9
174	104.2	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

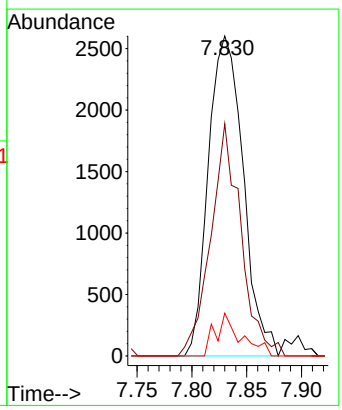
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

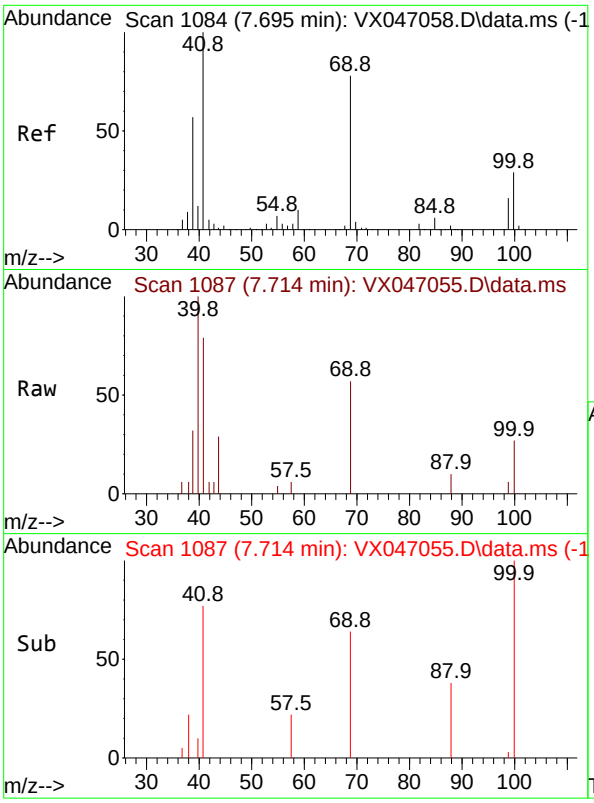


#47
Bromodichloromethane
Concen: 0.867 ug/l
RT: 7.830 min Scan# 1106
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 83 Resp: 5749

Ion	Ratio	Lower	Upper
83	100		
85	72.6	49.9	74.9
127	13.4	6.6	10.0#

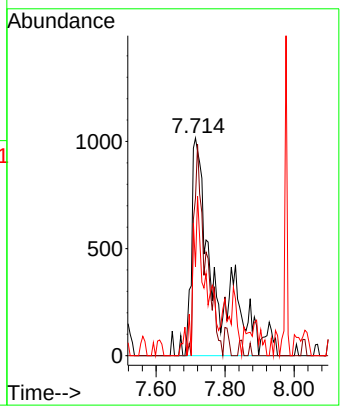




#48
Methyl methacrylate
Concen: 1.014 ug/l m
RT: 7.714 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 41 Resp: 486

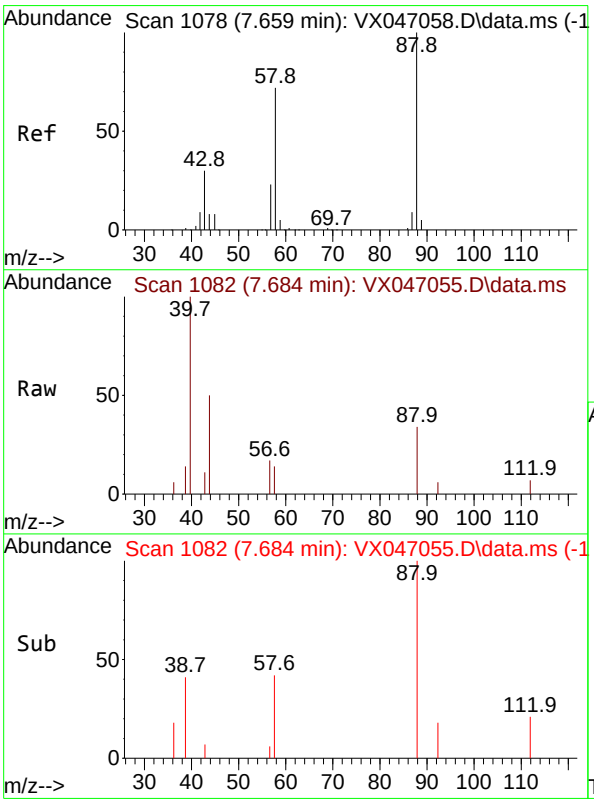
Ion	Ratio	Lower	Upper
41	100		
69	46.9	62.3	93.5#
39	28.6	44.8	67.2#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

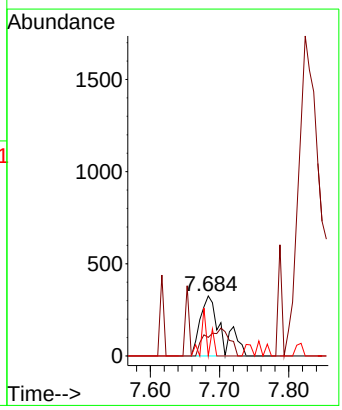
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

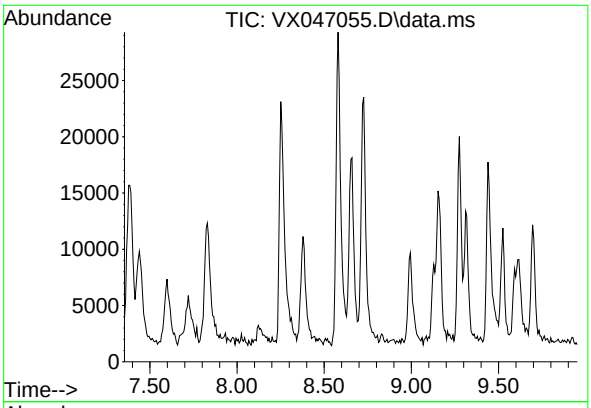


#49
1,4-Dioxane
Concen: 12.834 ug/l m
RT: 7.684 min Scan# 1082
Delta R.T. 0.025 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 88 Resp: 700

Ion	Ratio	Lower	Upper
88	100		
43	0.0	33.6	50.4#
58	24.4	58.8	88.2#





#50
Toluene-d8
Concen: 0.000 ug/l
Expected RT: 8.65 min

Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

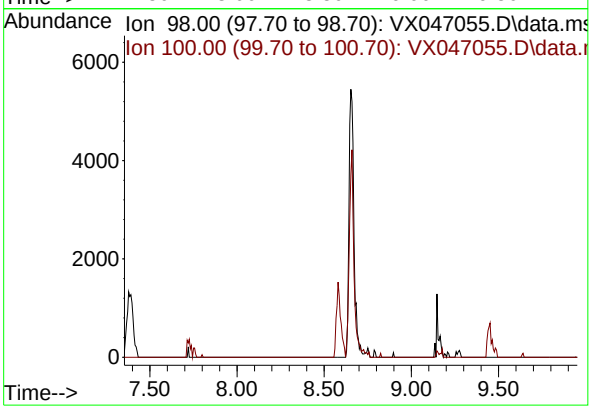
Tgt Ion: 98

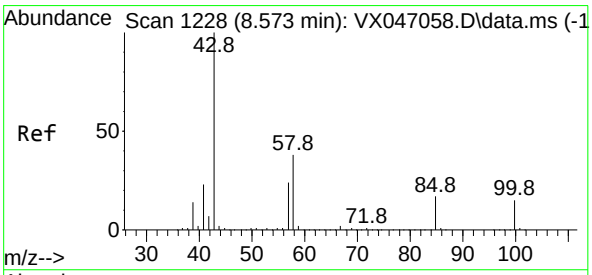
Sig	Exp Ratio
98	100
100	66.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

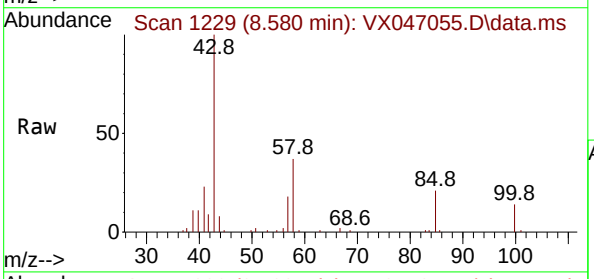


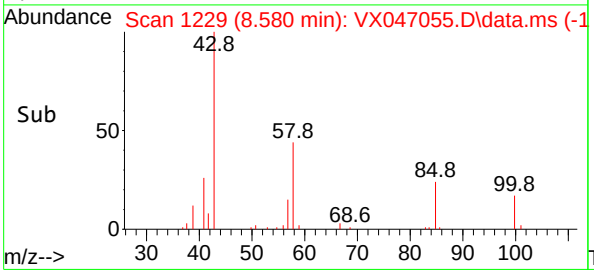


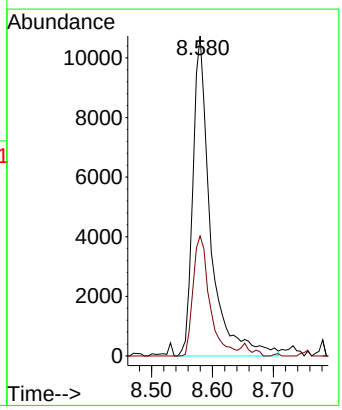
#51
4-Methyl-2-Pentanone
Concen: 4.131 ug/l
RT: 8.580 min Scan# 1229
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

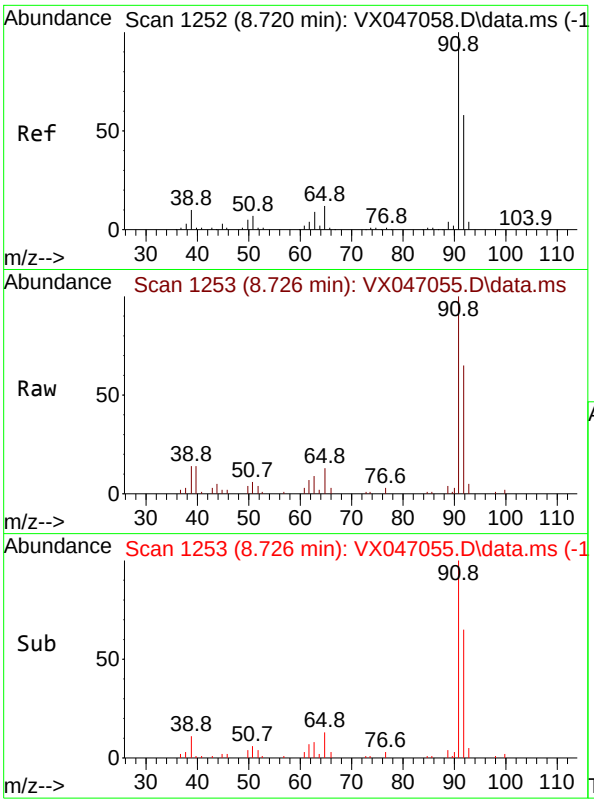
Tgt Ion: 43 Resp: 21616

Ion	Ratio	Lower	Upper
43	100		
58	35.4	30.6	45.8





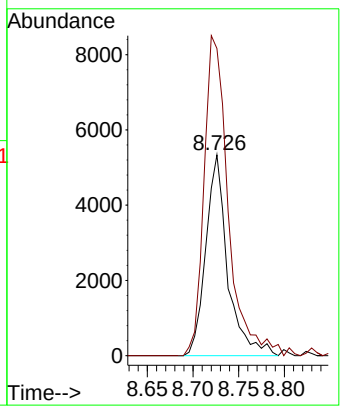




#52
Toluene
Concen: 0.814 ug/l
RT: 8.726 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 92 Resp: 887

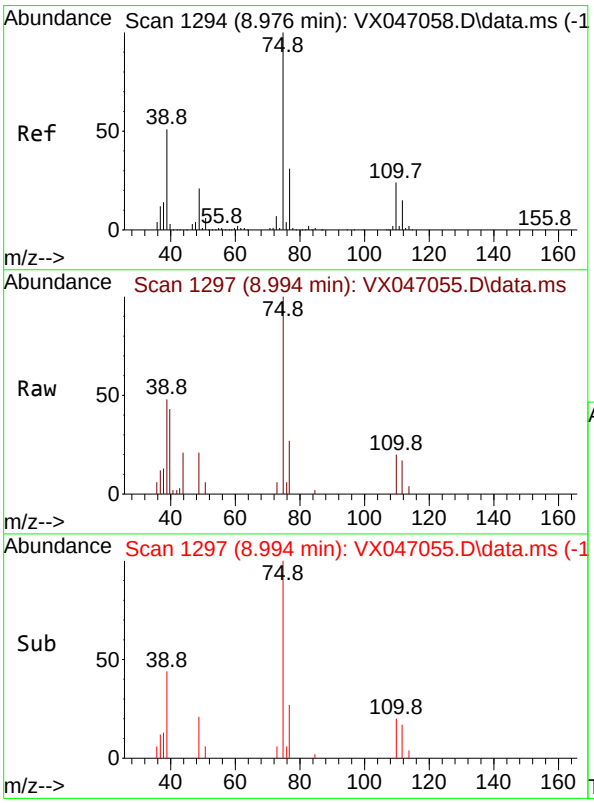
Ion	Ratio	Lower	Upper
92	100		
91	177.3	137.9	206.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

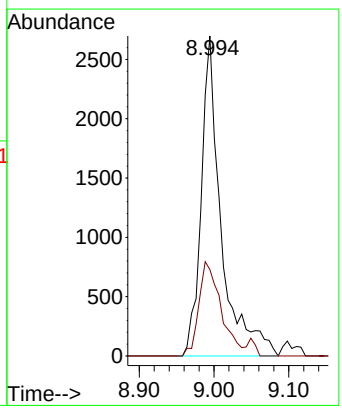
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

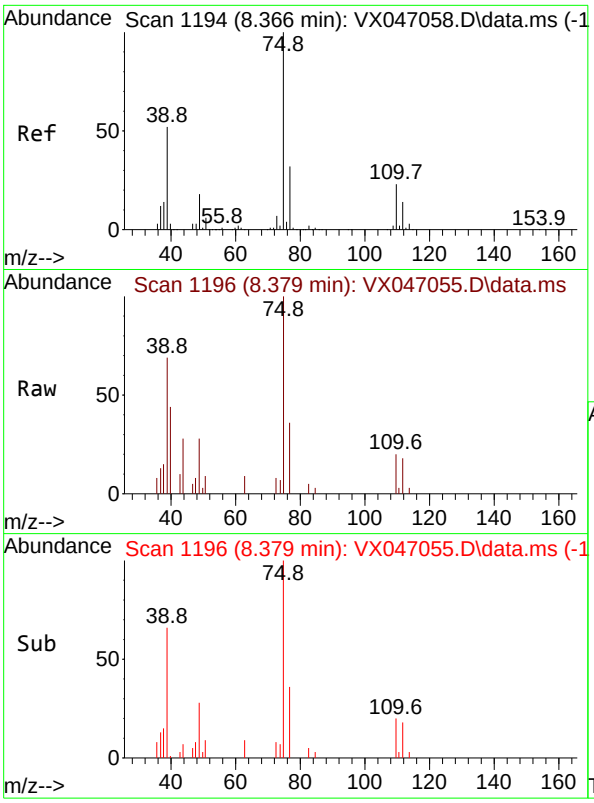


#53
t-1,3-Dichloropropene
Concen: 0.798 ug/l
RT: 8.994 min Scan# 1297
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 75 Resp: 4993

Ion	Ratio	Lower	Upper
75	100		
77	27.0	24.5	36.7

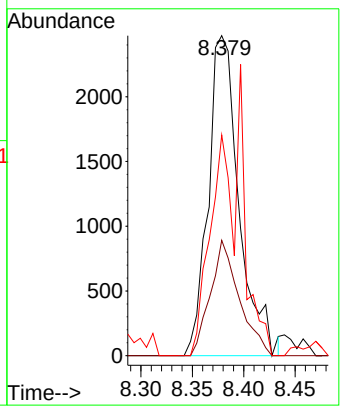




#54
cis-1,3-Dichloropropene
Concen: 0.751 ug/l
RT: 8.379 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 75 Resp: 514

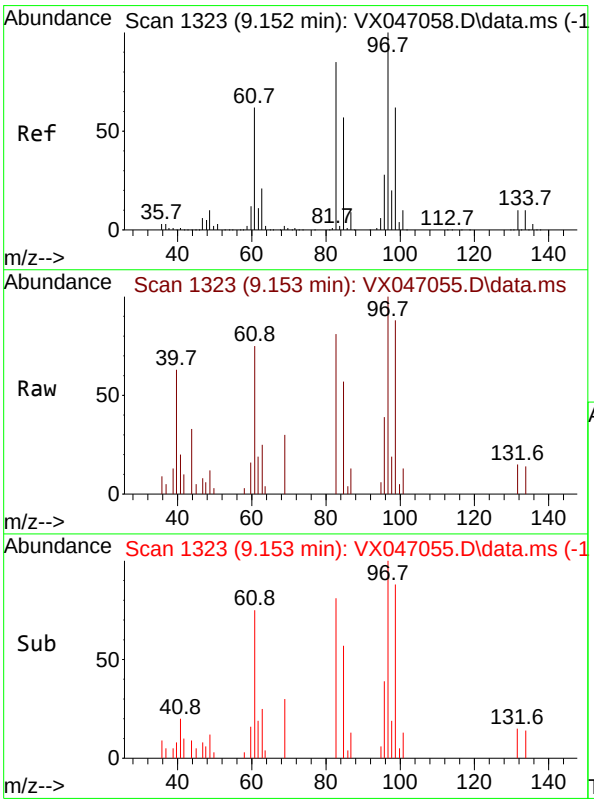
Ion	Ratio	Lower	Upper
75	100		
77	36.0	25.4	38.0
39	25.1	41.8	62.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

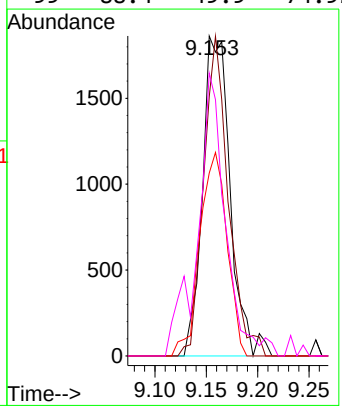
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

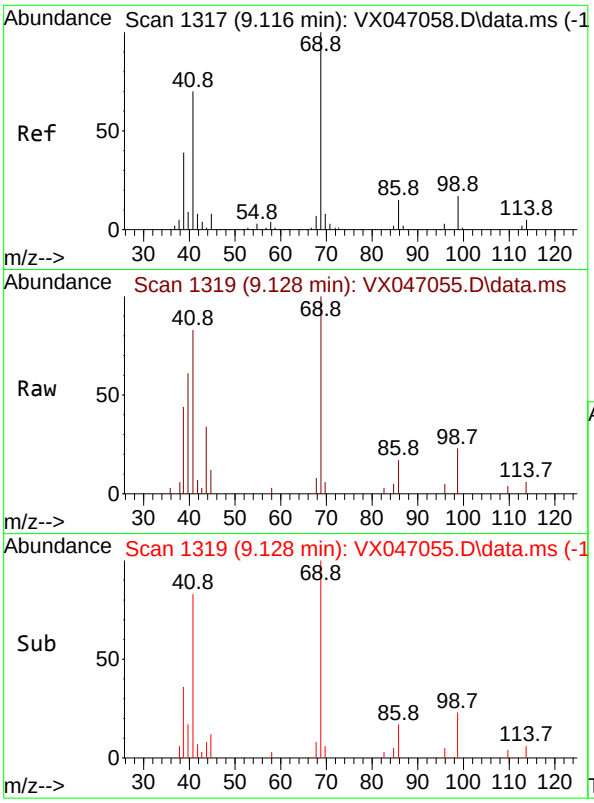


#55
1,1,2-Trichloroethane
Concen: 0.853 ug/l
RT: 9.153 min Scan# 1323
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 97 Resp: 3490

Ion	Ratio	Lower	Upper
97	100		
83	81.0	68.0	102.0
85	57.2	45.2	67.8
99	88.4	49.9	74.9#

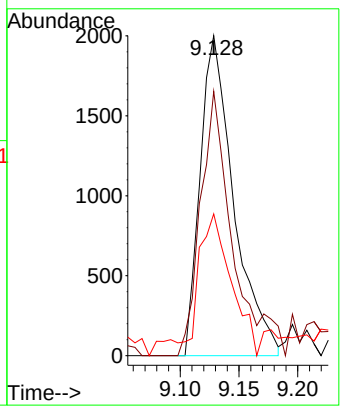




#56
Ethyl methacrylate
Concen: 0.657 ug/l
RT: 9.128 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 69 Resp: 397

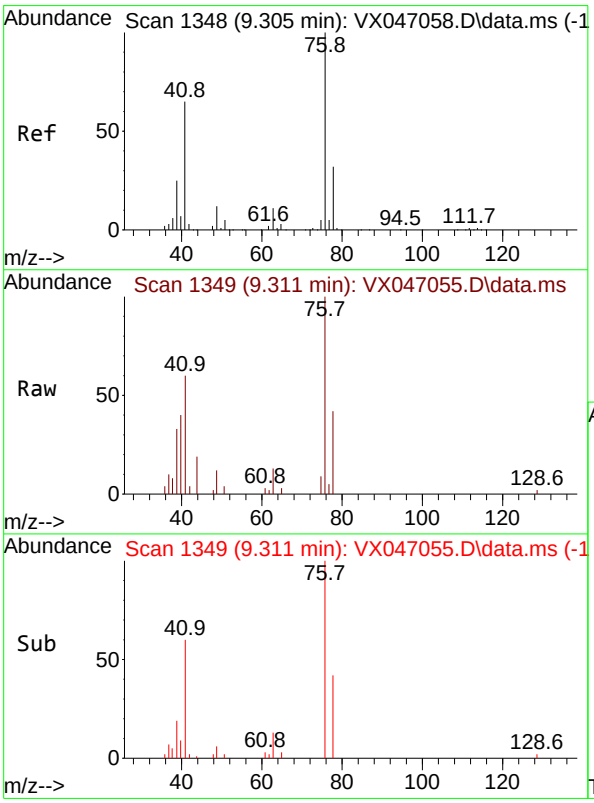
Ion	Ratio	Lower	Upper
69	100		
41	78.7	56.1	84.1
39	42.5	31.1	46.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

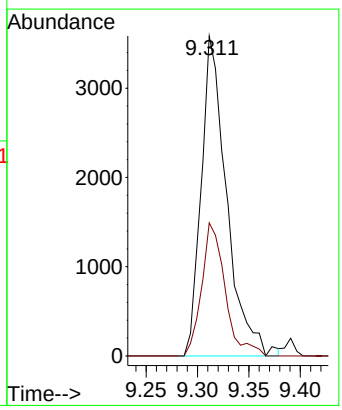
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

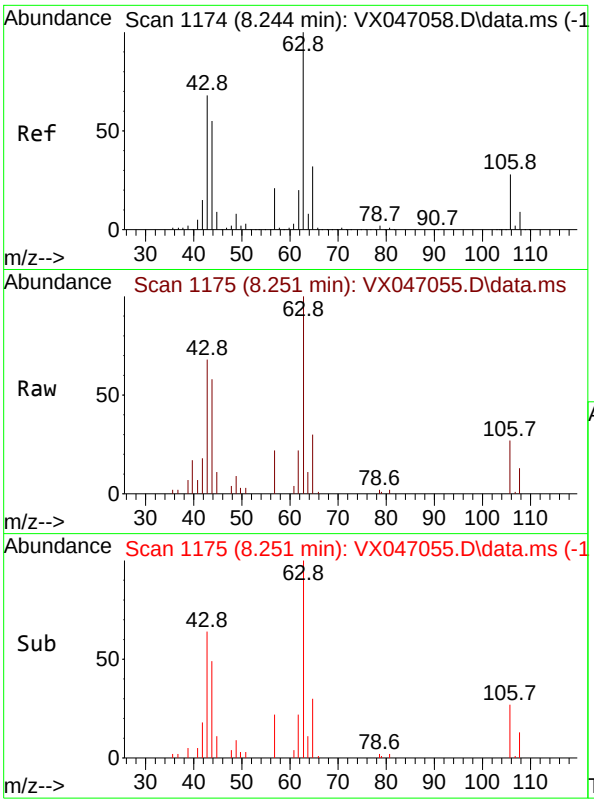


#57
1,3-Dichloropropane
Concen: 0.868 ug/l
RT: 9.311 min Scan# 1349
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 76 Resp: 6170

Ion	Ratio	Lower	Upper
76	100		
78	38.4	25.5	38.3#





#58
2-Chloroethyl Vinyl ether
Concen: 3.268 ug/l
RT: 8.251 min Scan# 11
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

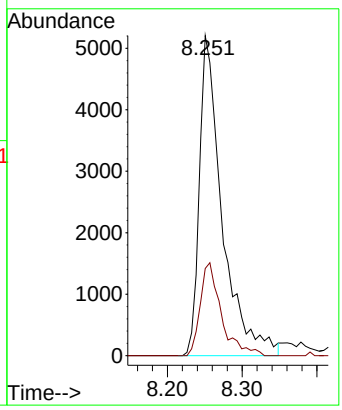
Tgt Ion: 63 Resp: 1101

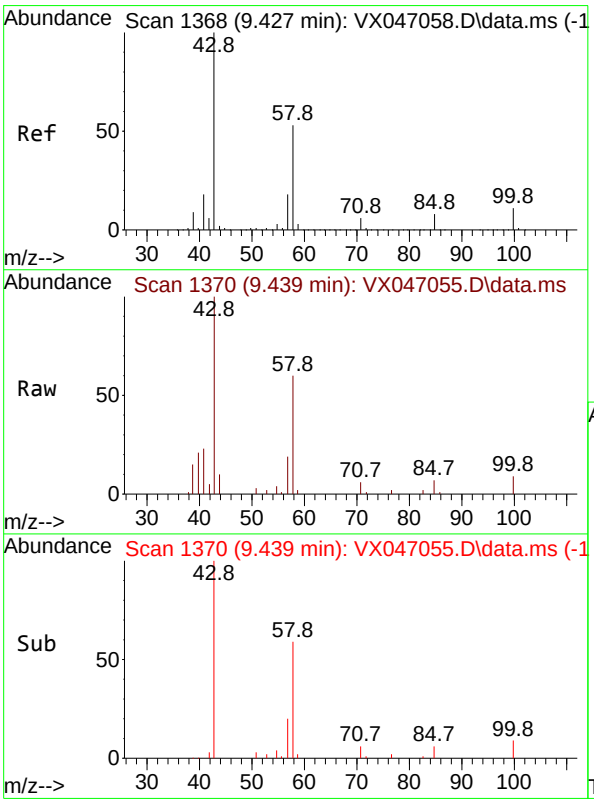
Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.2	33.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

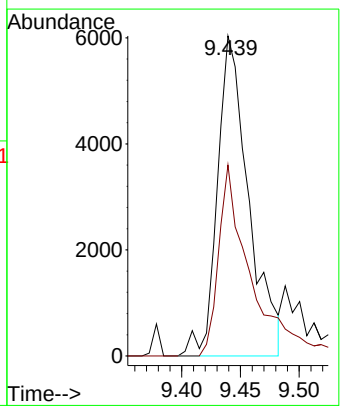


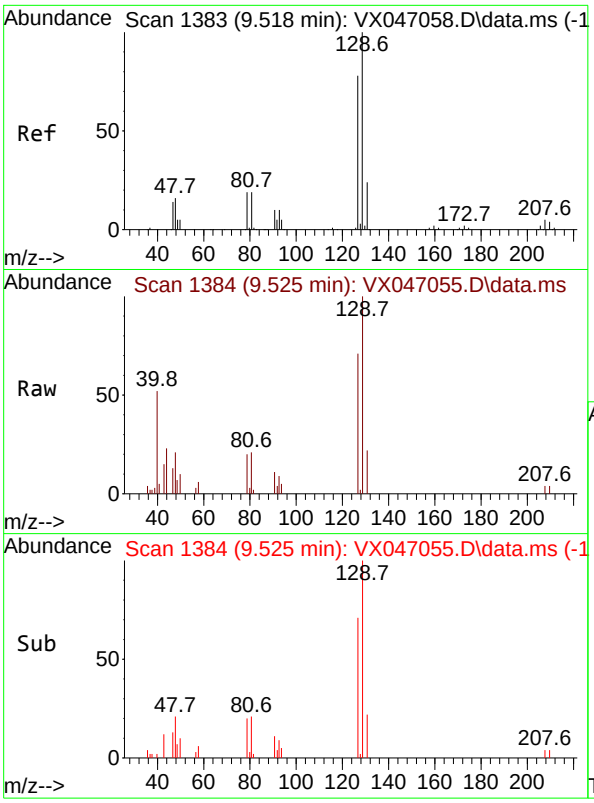


#59
2-Hexanone
Concen: 3.240 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.013 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 11200

Ion	Ratio	Lower	Upper
43	100		
58	61.9	26.5	79.5

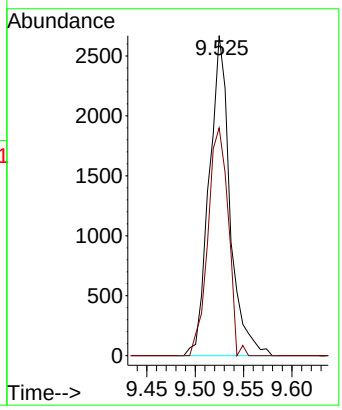




#60
Dibromochloromethane
Concen: 0.834 ug/l
RT: 9.525 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:129 Resp: 399

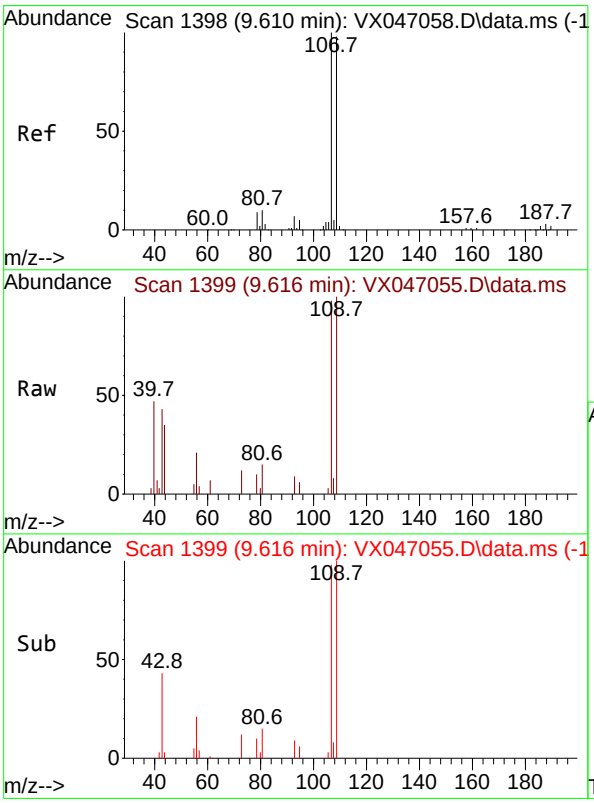
Ion	Ratio	Lower	Upper
129	100		
127	69.2	38.6	115.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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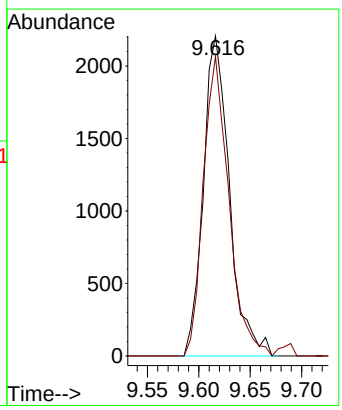
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

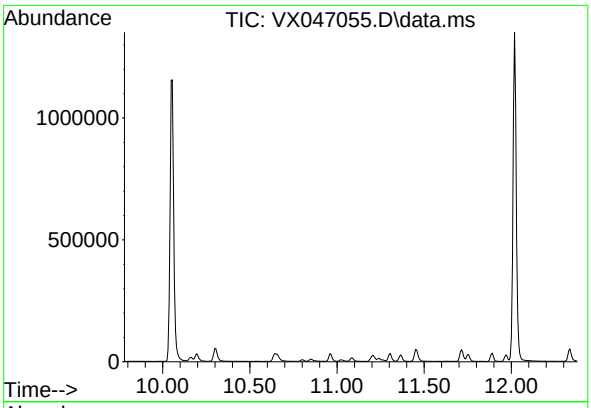


#61
1,2-Dibromoethane
Concen: 0.909 ug/l
RT: 9.616 min Scan# 1399
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:107 Resp: 3885

Ion	Ratio	Lower	Upper
107	100		
109	91.7	74.6	112.0





#62
4-Bromofluorobenzene
Concen: 0.000 ug/l
Expected RT: 11.08 min

Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

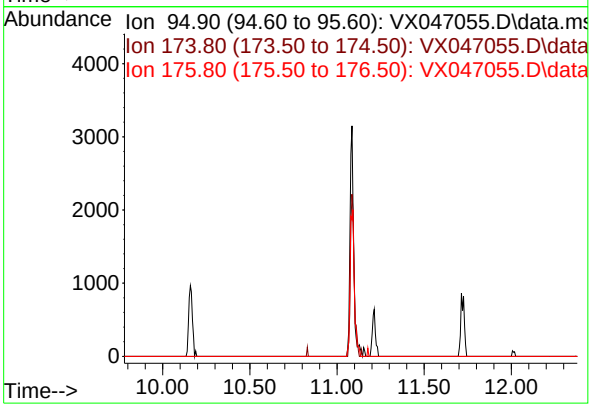
Tgt Ion: 95

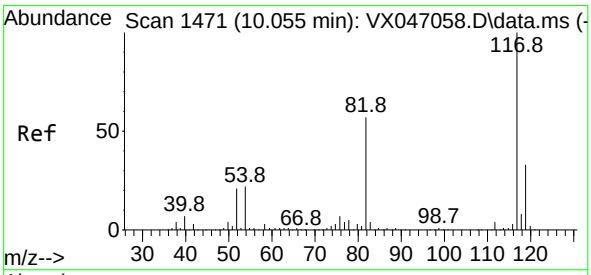
Sig	Exp Ratio
95	100
174	72.3
176	69.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

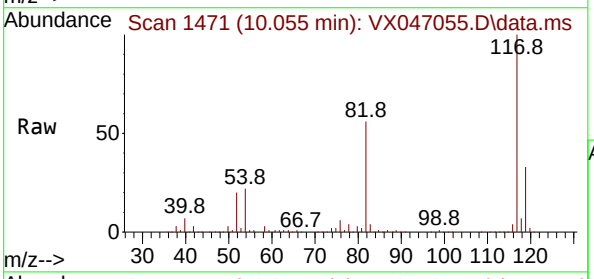


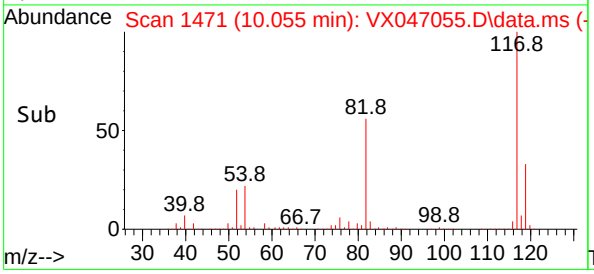


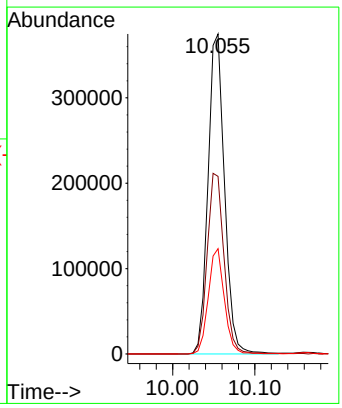
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

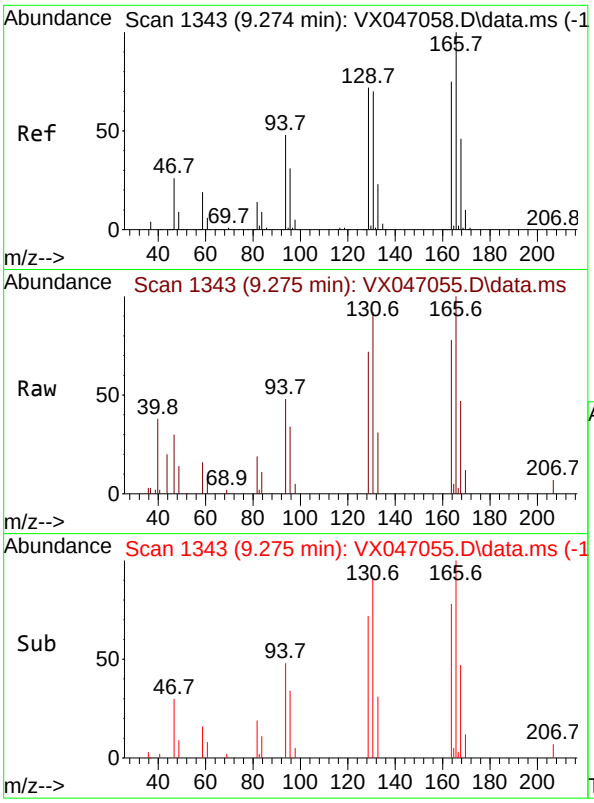
Tgt Ion:117 Resp: 522701

Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.4	68.2
119	32.9	26.1	39.1





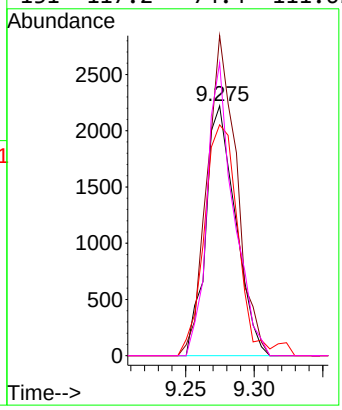




#64
Tetrachloroethene
Concen: 0.892 ug/l
RT: 9.275 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:164 Resp: 336

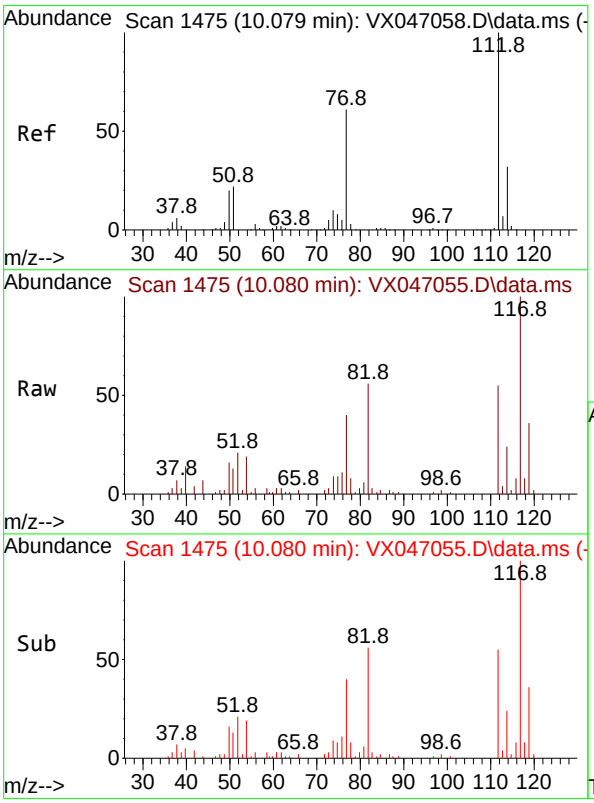
Ion	Ratio	Lower	Upper
164	100		
166	128.1	106.2	159.4
129	92.4	76.6	114.8
131	117.2	74.4	111.6#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

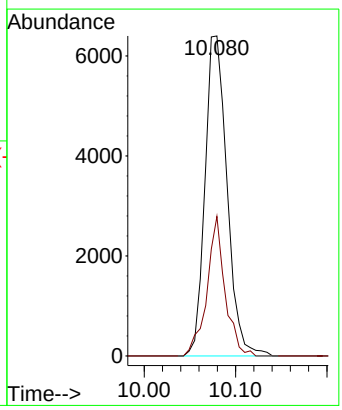
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

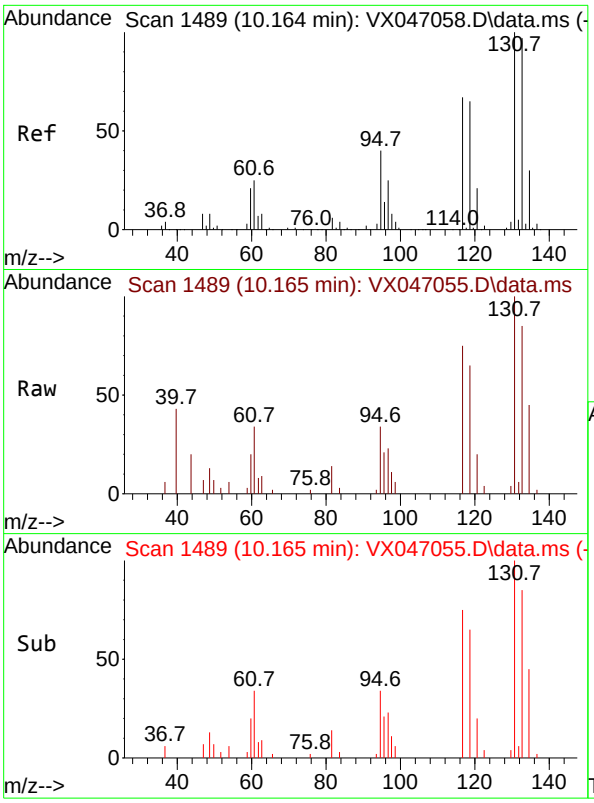


#65
Chlorobenzene
Concen: 0.878 ug/l
RT: 10.080 min Scan# 1475
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:112 Resp: 10754

Ion	Ratio	Lower	Upper
112	100		
114	43.6	25.8	38.6#

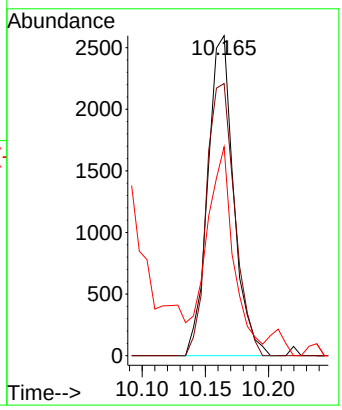




#66
1,1,1,2-Tetrachloroethane
Concen: 0.897 ug/l
RT: 10.165 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:131 Resp: 369

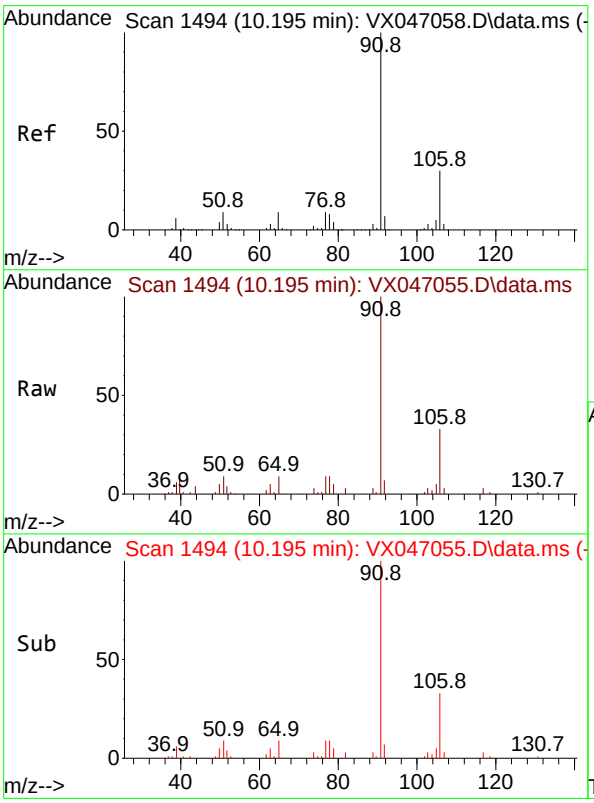
Ion	Ratio	Lower	Upper
131	100		
133	92.3	48.4	145.3
119	0.0	32.4	97.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations
APPROVED

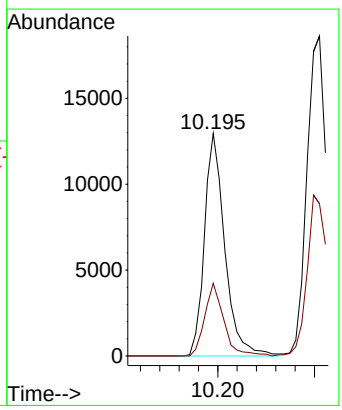
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

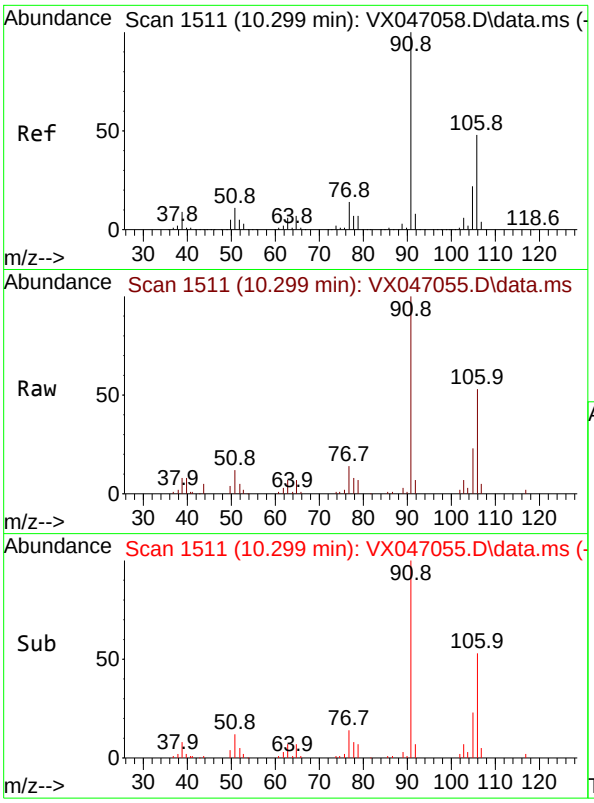


#67
Ethyl Benzene
Concen: 0.886 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 91 Resp: 18959

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4





#68
m/p-Xylenes
Concen: 1.809 ug/l
RT: 10.299 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

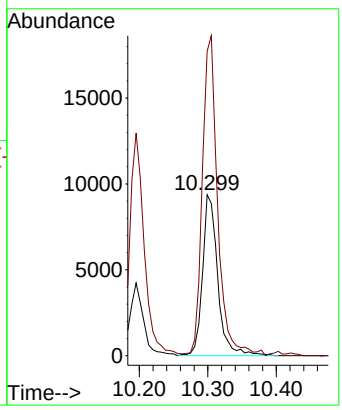
Tgt Ion:106 Resp: 1449

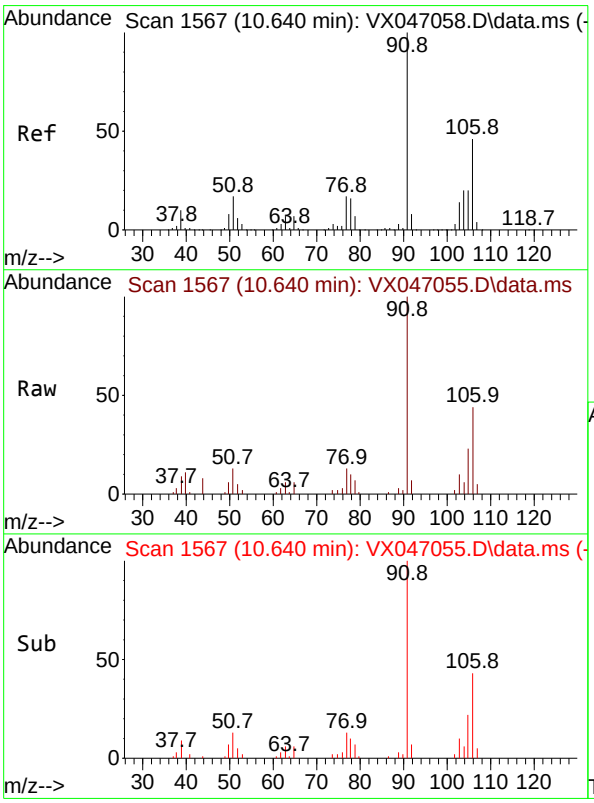
Ion	Ratio	Lower	Upper
106	100		
91	200.4	167.4	251.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

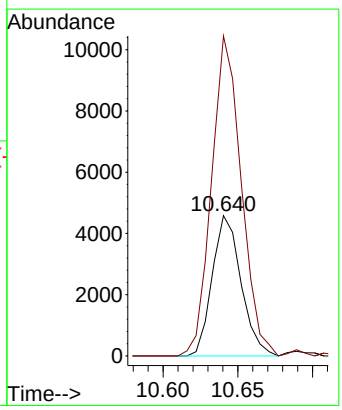


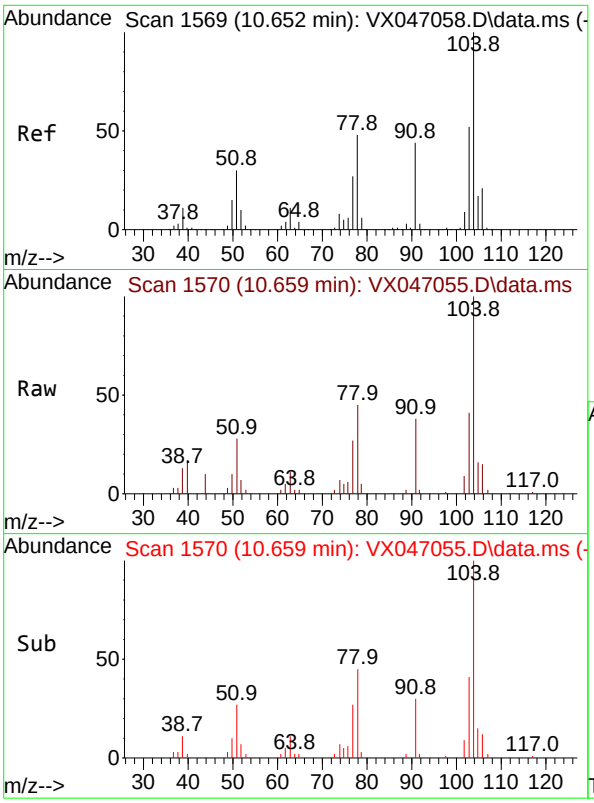


#69
o-Xylene
Concen: 0.804 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:106 Resp: 6125

Ion	Ratio	Lower	Upper
106	100		
91	235.9	110.3	331.0

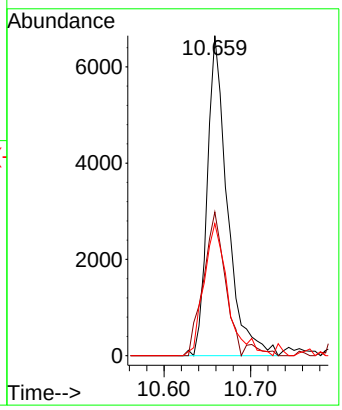




#70
Styrene
Concen: 0.819 ug/l
RT: 10.659 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:104 Resp: 1070

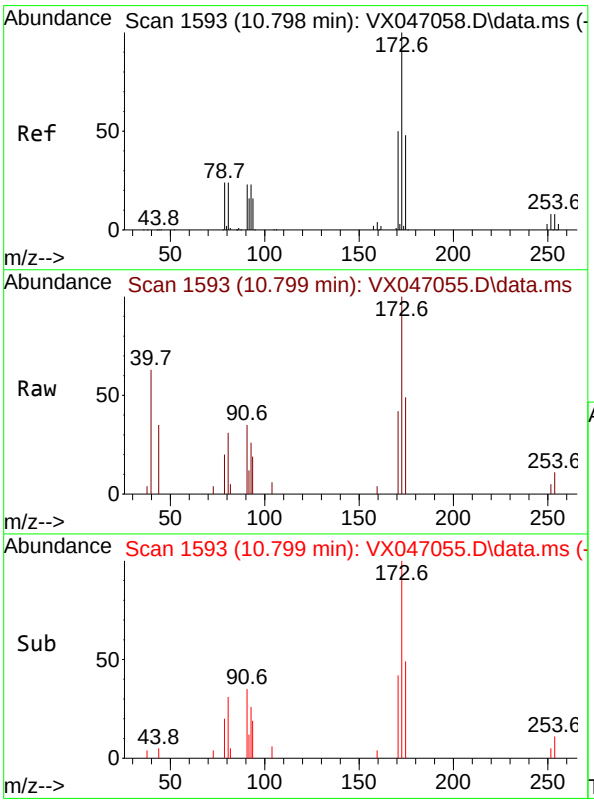
Ion	Ratio	Lower	Upper
104	100		
78	48.6	42.0	63.0
103	49.0	43.8	65.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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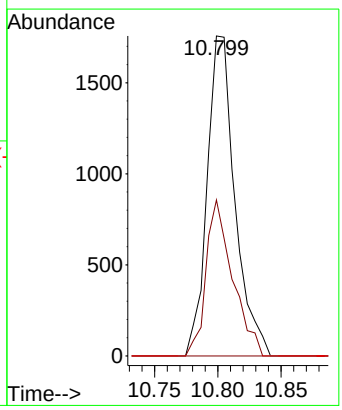
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

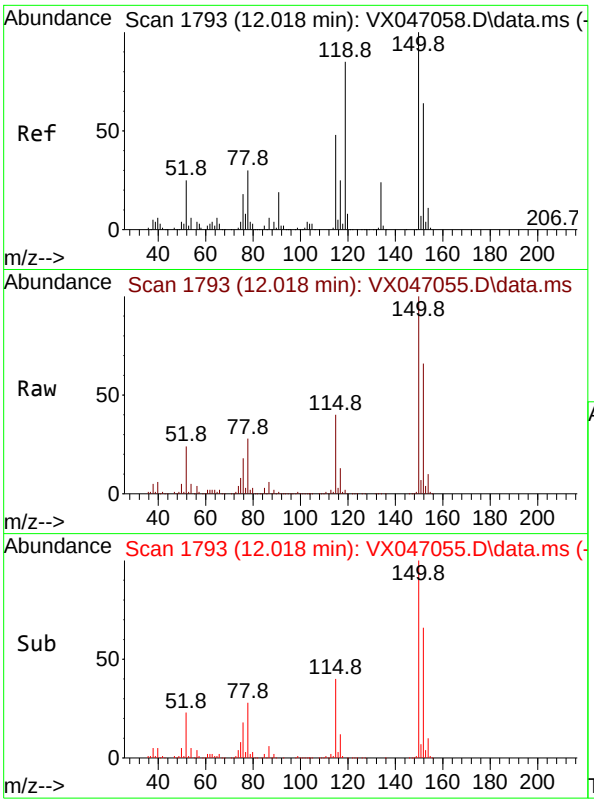


#71
Bromoform
Concen: 0.858 ug/l
RT: 10.799 min Scan# 1593
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:173 Resp: 2687

Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.2	72.6
254	0.0	0.1	0.1#

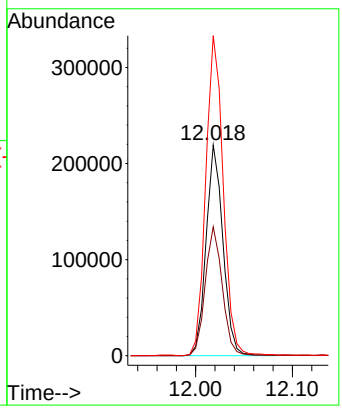




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:152 Resp: 26687

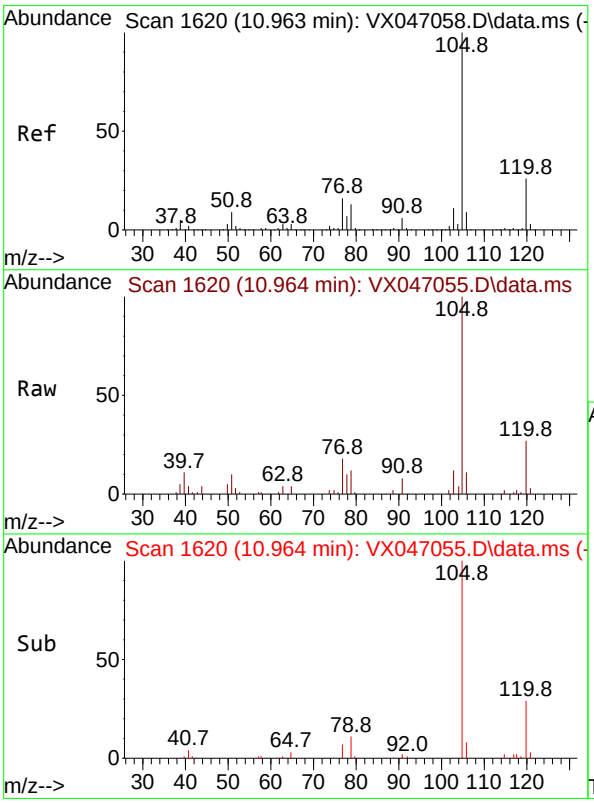
Ion	Ratio	Lower	Upper
152	100		
115	61.9	45.6	136.7
150	157.0	0.0	354.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

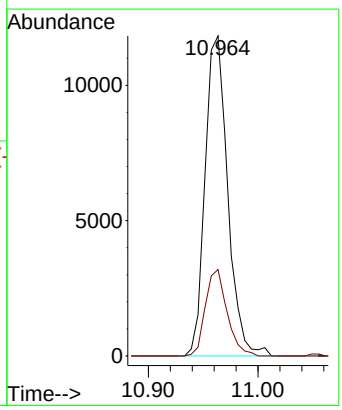
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

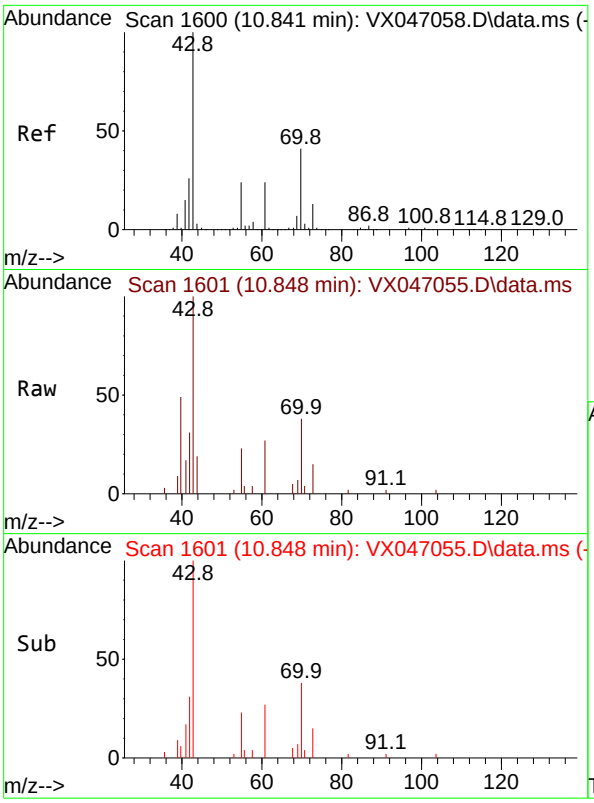


#73
Isopropylbenzene
Concen: 0.806 ug/l
RT: 10.964 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:105 Resp: 16971

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

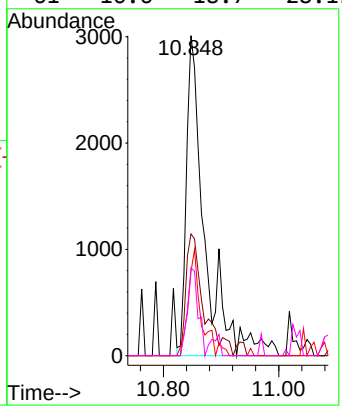




#74
N-amyl acetate
Concen: 0.801 ug/l m
RT: 10.848 min Scan# 1(
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 672(

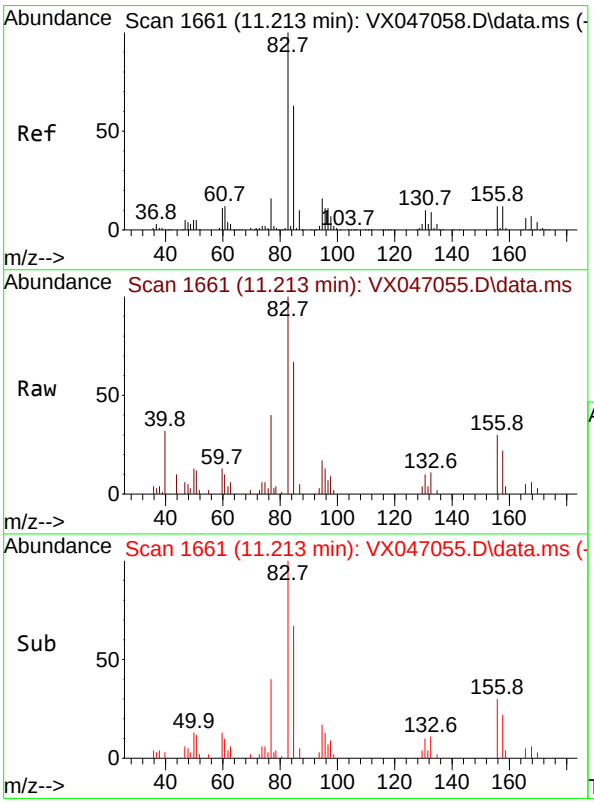
Ion	Ratio	Lower	Upper
43	100		
70	35.9	32.3	48.5
55	23.1	18.9	28.3
61	16.6	18.7	28.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

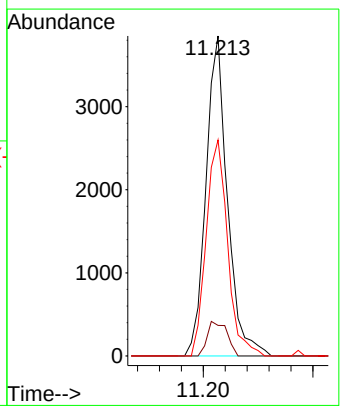
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

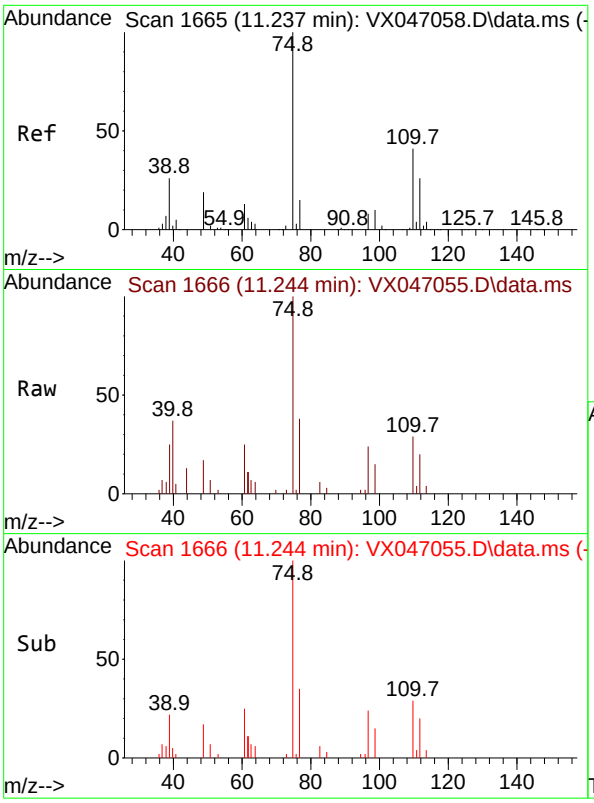


#75
1,1,2,2-Tetrachloroethane
Concen: 0.868 ug/l
RT: 11.213 min Scan# 1661
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 83 Resp: 5223

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	67.6	32.0	96.2

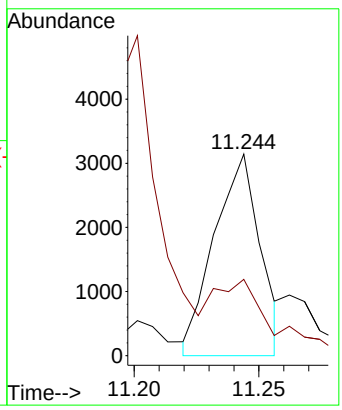




#76
1,2,3-Trichloropropane
Concen: 0.814 ug/l m
RT: 11.244 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 75 Resp: 401

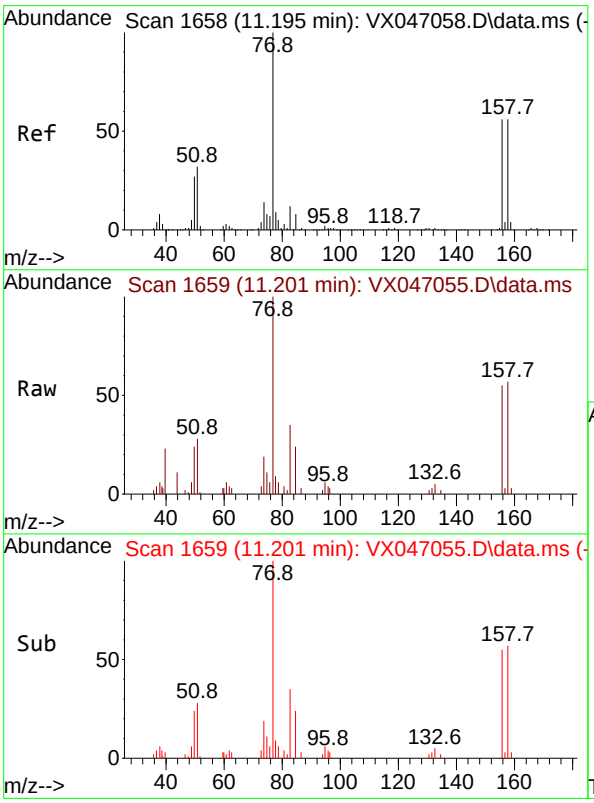
Ion	Ratio	Lower	Upper
75	100		
77	49.1	21.6	65.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

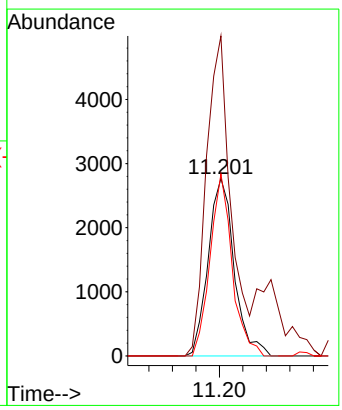
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

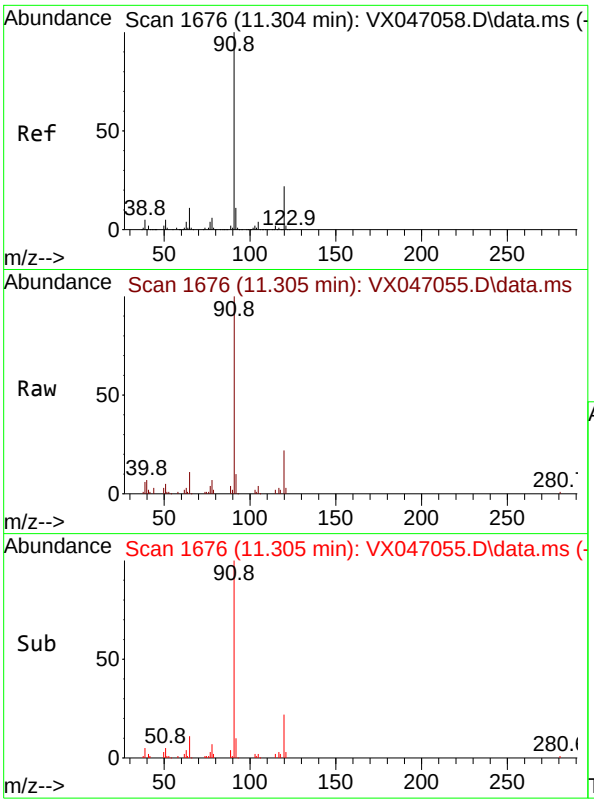


#77
Bromobenzene
Concen: 0.842 ug/l
RT: 11.201 min Scan# 1659
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:156 Resp: 4251

Ion	Ratio	Lower	Upper
156	100		
77	168.9	87.3	261.9
158	87.1	48.9	146.6





#78
n-propylbenzene
Concen: 0.805 ug/l
RT: 11.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

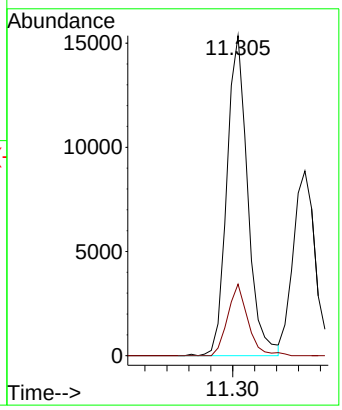
Tgt Ion: 91 Resp: 2025

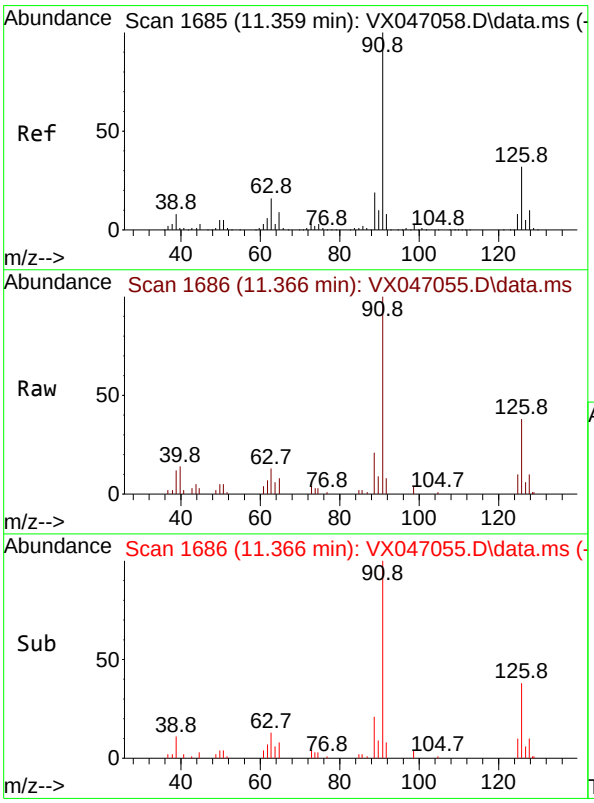
Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.0	33.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

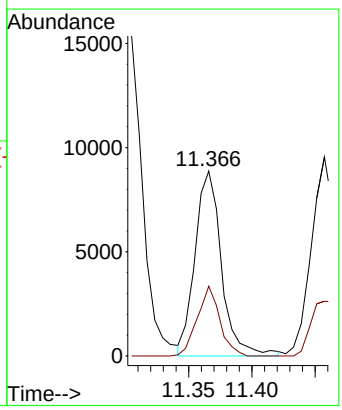


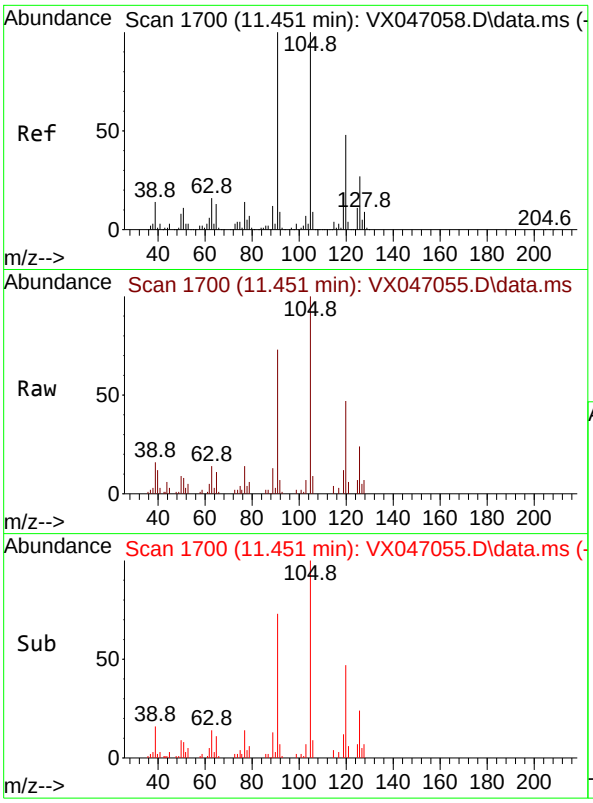


#79
2-Chlorotoluene
Concen: 0.862 ug/l
RT: 11.366 min Scan# 1686
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 91 Resp: 12959

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4





#80
1,3,5-Trimethylbenzene
Concen: 0.810 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

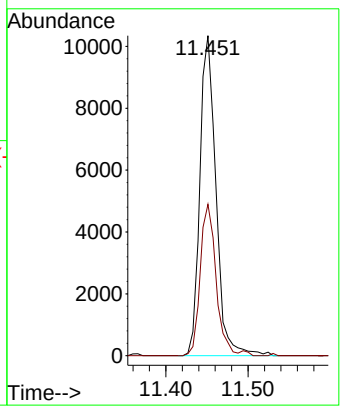
Tgt Ion:105 Resp: 1408

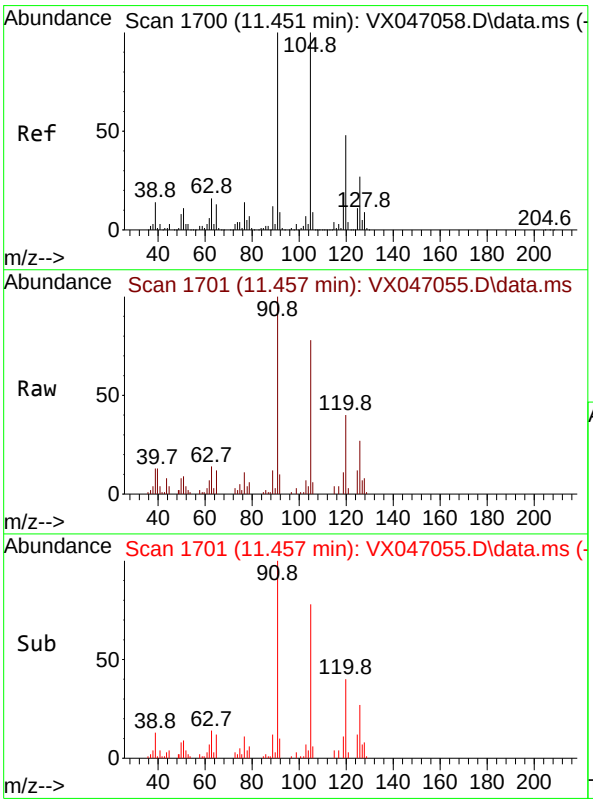
Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

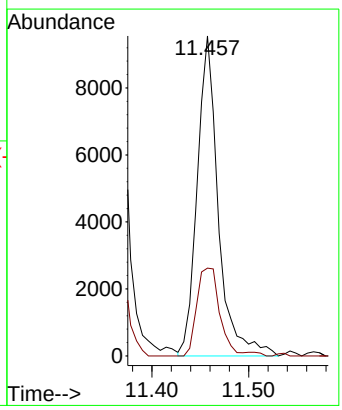


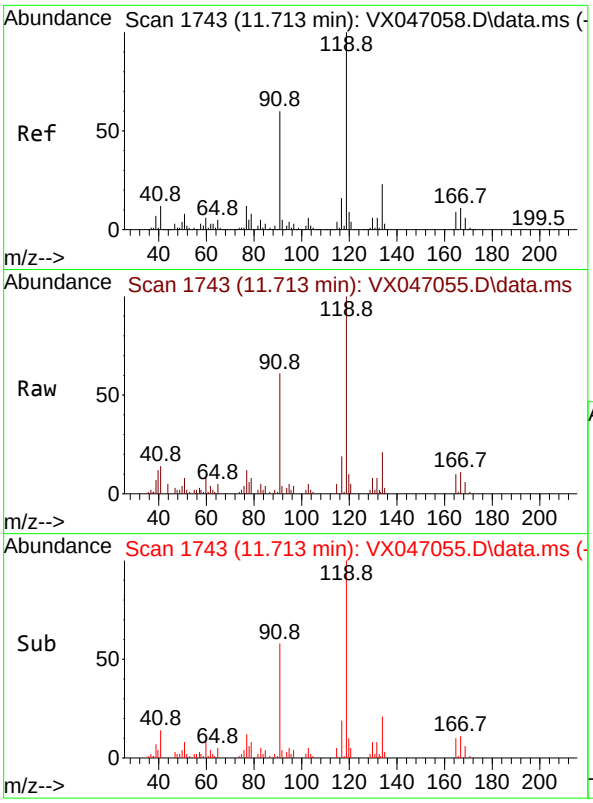


#82
4-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 91 Resp: 14521

Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.1	42.3

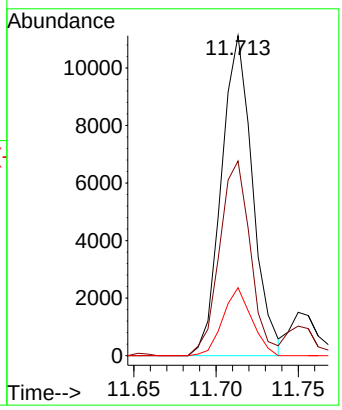




#83
tert-Butylbenzene
Concen: 0.839 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:119 Resp: 1465

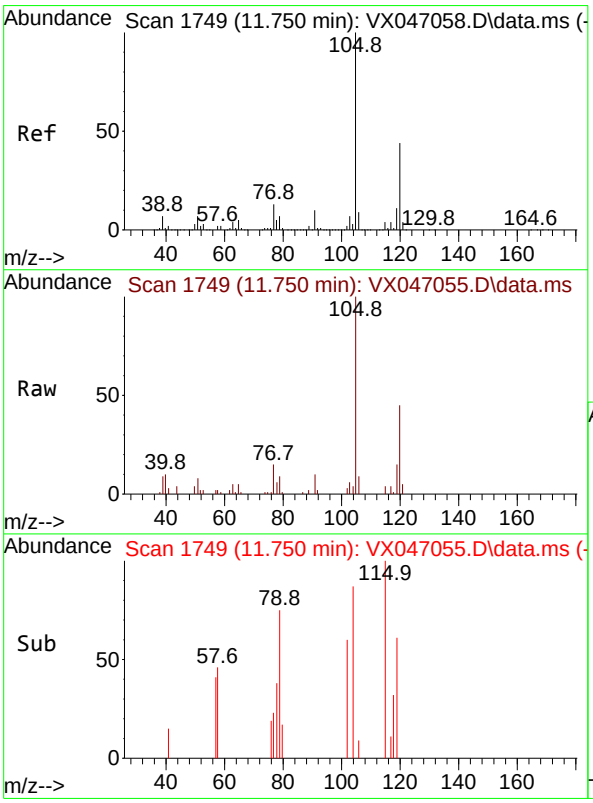
Ion	Ratio	Lower	Upper
119	100		
91	60.5	29.6	88.8
134	19.6	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

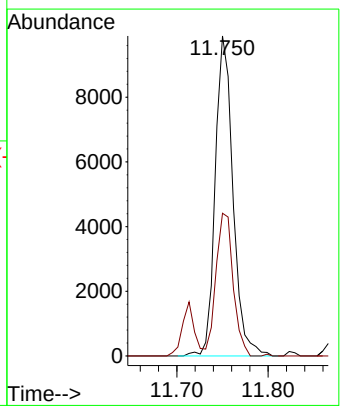
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

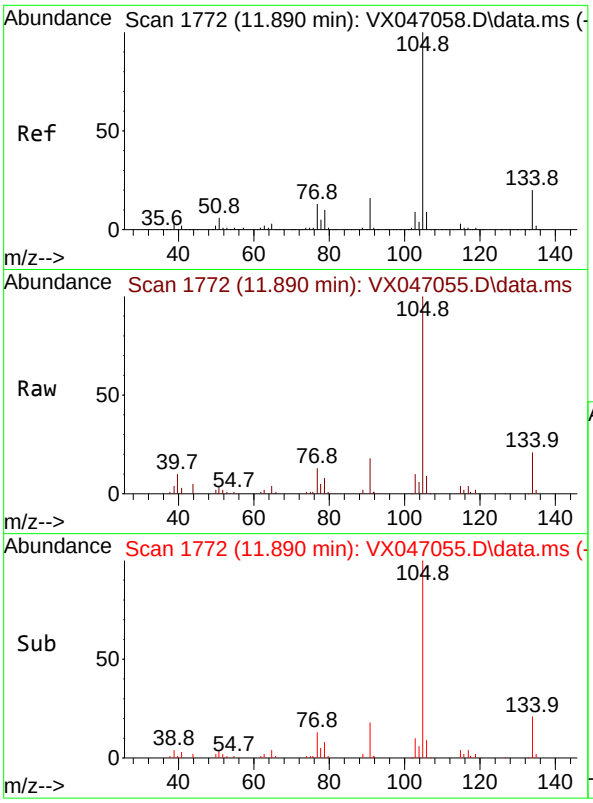


#84
1,2,4-Trimethylbenzene
Concen: 0.770 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:105 Resp: 13354

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.0	66.0





#85
sec-Butylbenzene
Concen: 0.814 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

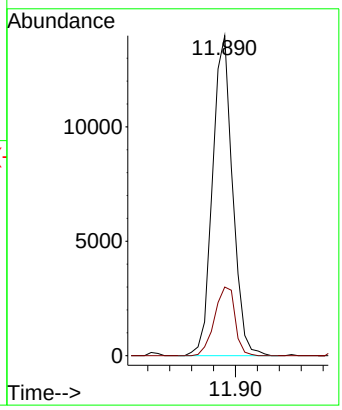
Tgt Ion:105 Resp: 1776

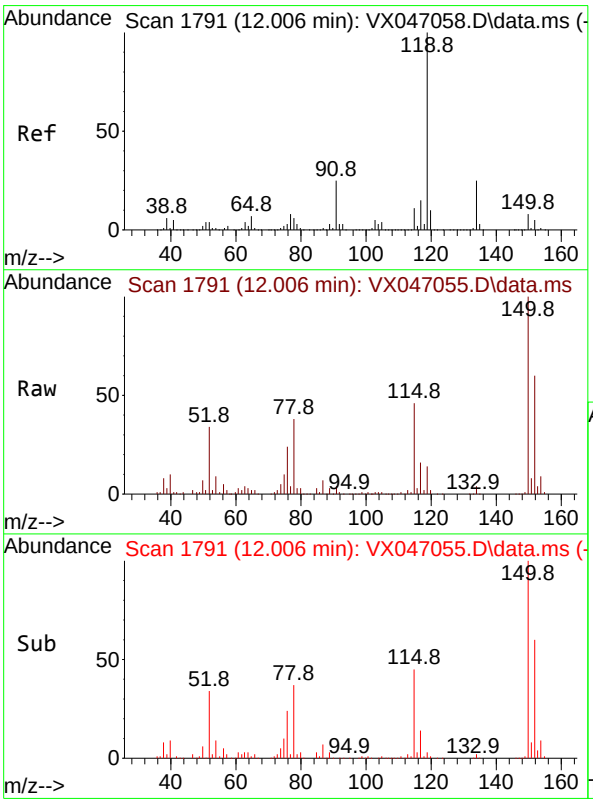
Ion	Ratio	Lower	Upper
105	100		
134	21.9	9.9	29.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

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

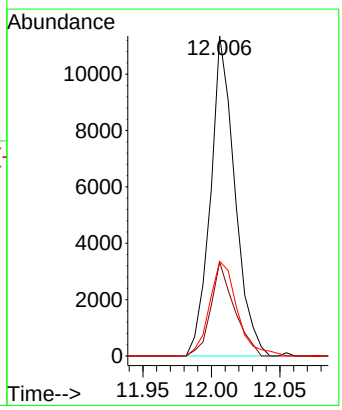


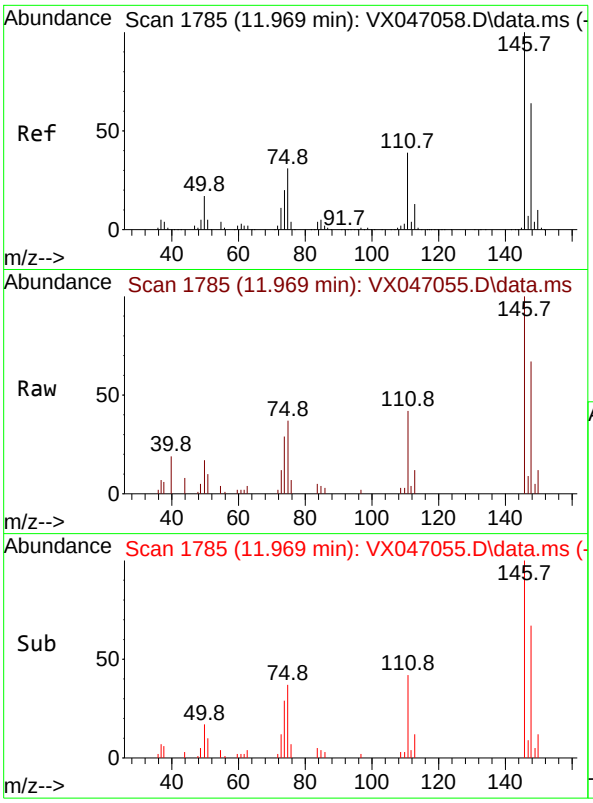


#86
p-Isopropyltoluene
Concen: 0.775 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:119 Resp: 14016

Ion	Ratio	Lower	Upper
119	100		
134	28.3	12.8	38.4
91	33.5	12.4	37.4

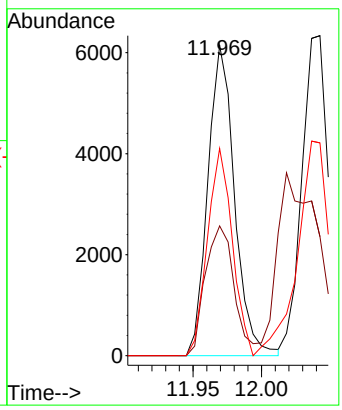




#87
1,3-Dichlorobenzene
Concen: 0.869 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:146 Resp: 833

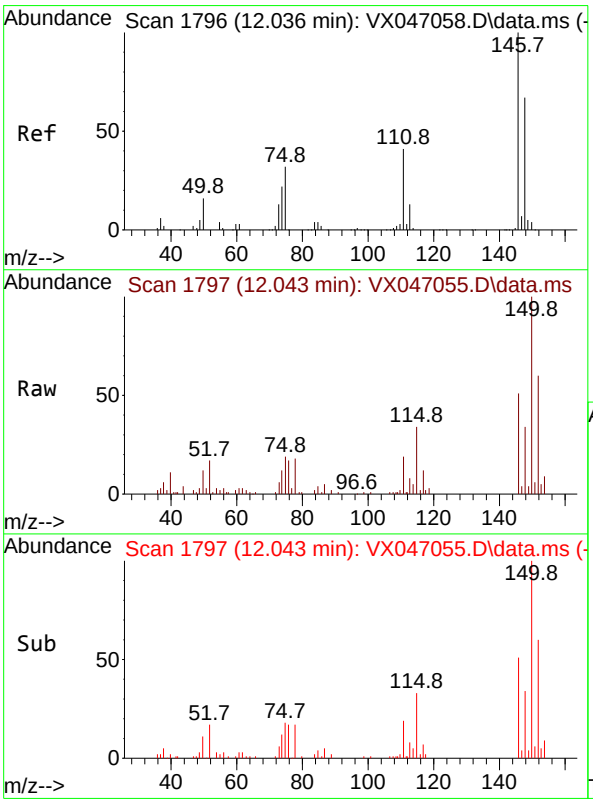
Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.0	63.0
148	62.1	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

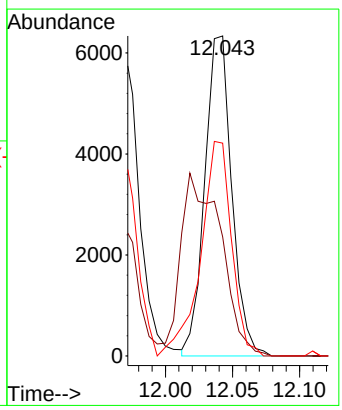
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

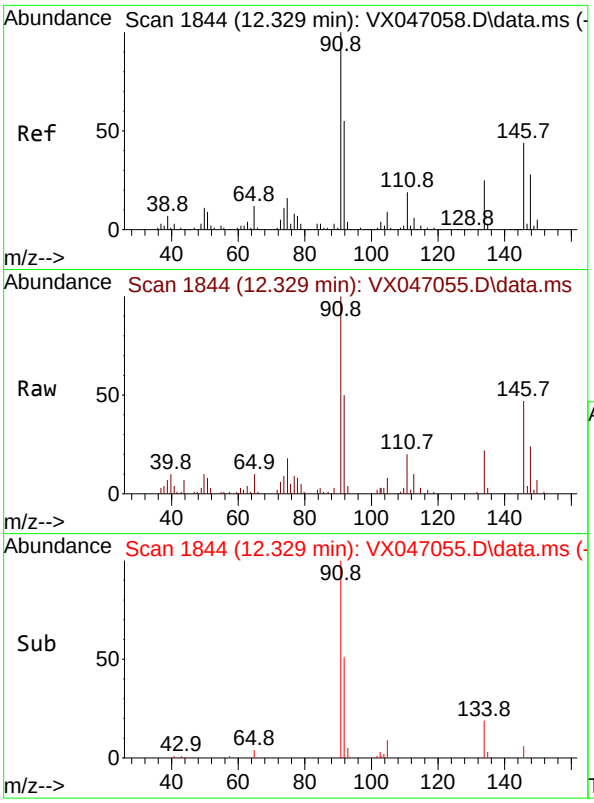


#88
1,4-Dichlorobenzene
Concen: 0.911 ug/l m
RT: 12.043 min Scan# 1797
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:146 Resp: 8857

Ion	Ratio	Lower	Upper
146	100		
111	42.3	20.6	61.9
148	58.4	33.0	98.9

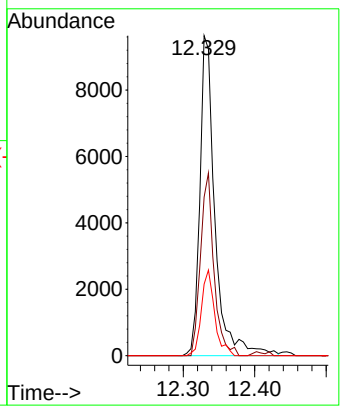




#89
n-Butylbenzene
Concen: 0.832 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 91 Resp: 1411

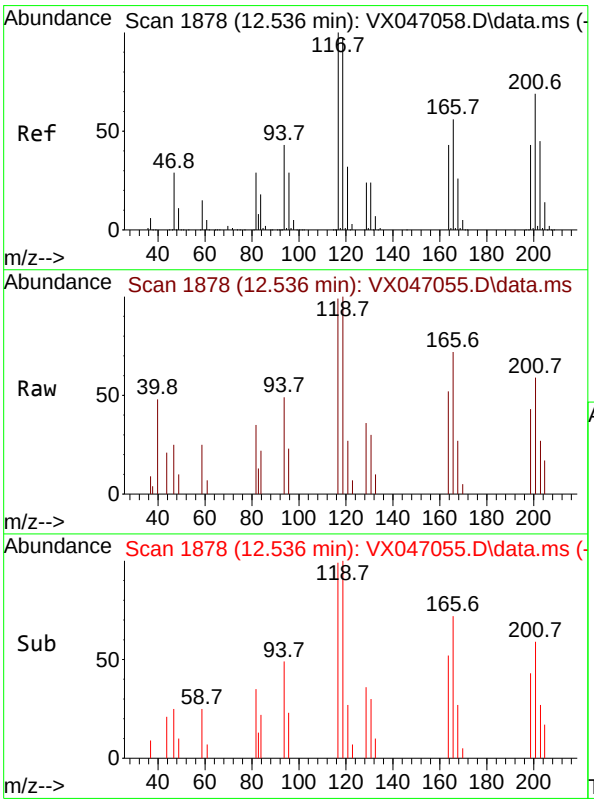
Ion	Ratio	Lower	Upper
91	100		
92	50.6	27.5	82.5
134	23.6	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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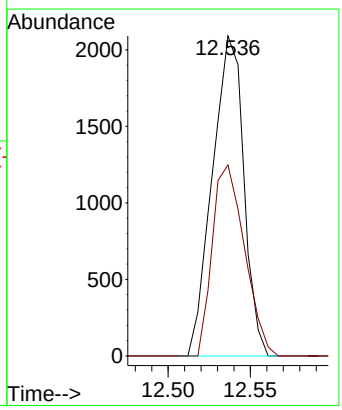
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

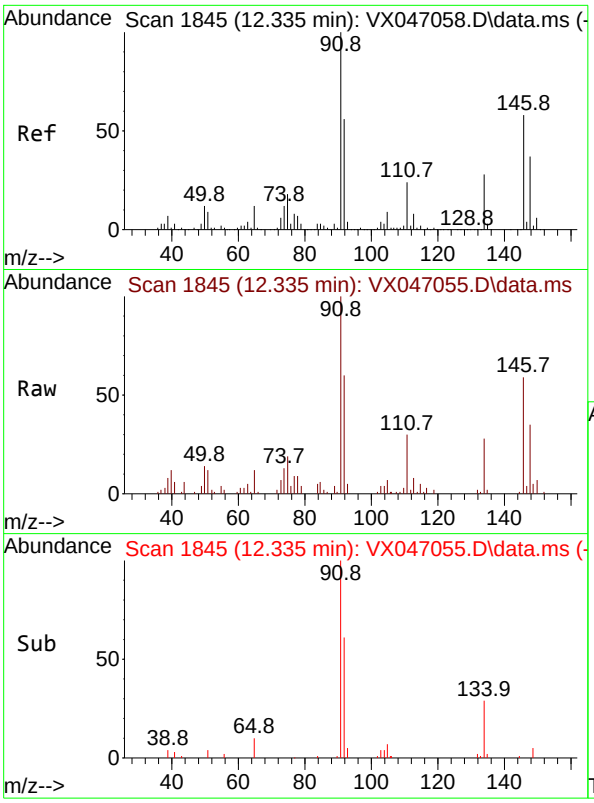


#90
Hexachloroethane
Concen: 0.857 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:117 Resp: 2772

Ion	Ratio	Lower	Upper
117	100		
201	61.4	34.8	104.5

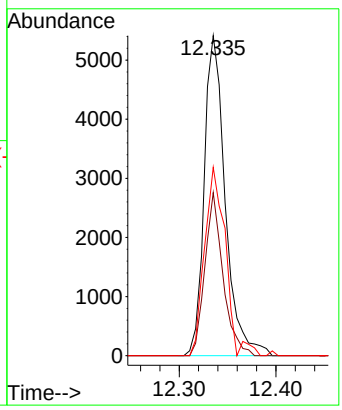




#91
1,2-Dichlorobenzene
Concen: 0.892 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:146 Resp: 818

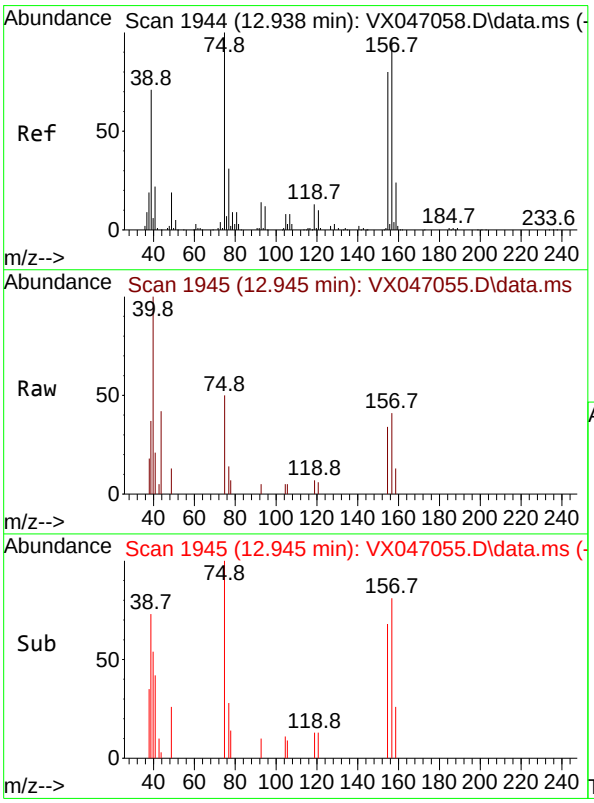
Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	64.6
148	58.7	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

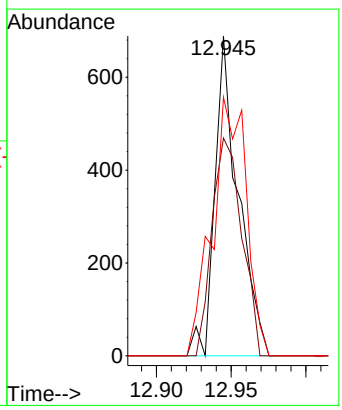
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

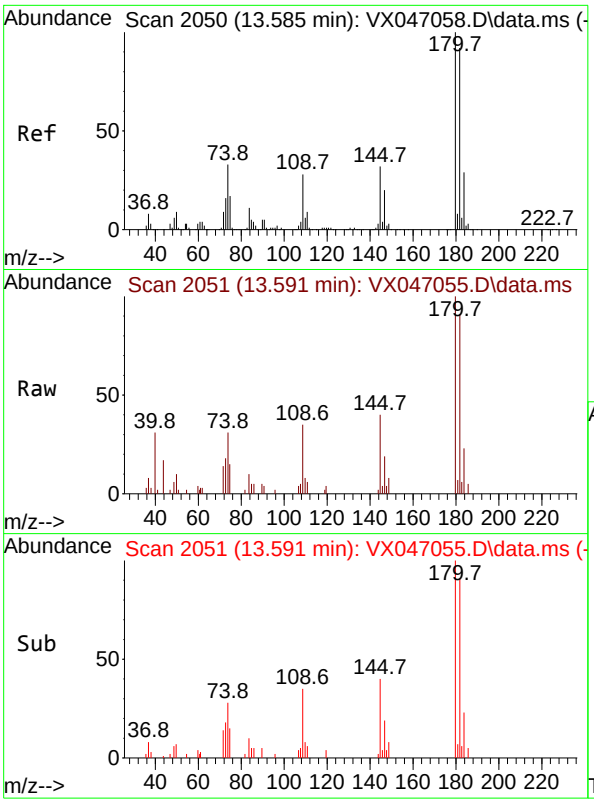


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.649 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 75 Resp: 749

Ion	Ratio	Lower	Upper
75	100		
155	86.6	41.3	124.1
157	117.2	52.8	158.3

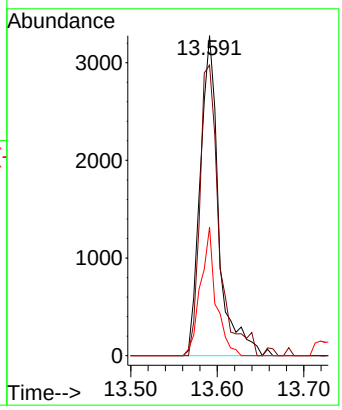




#93
1,2,4-Trichlorobenzene
Concen: 0.810 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:180 Resp: 490

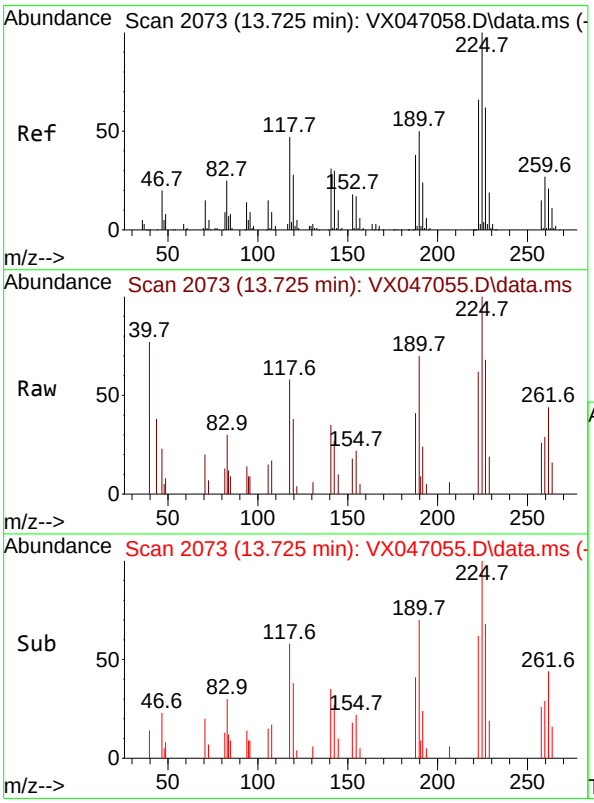
Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.8
145	33.2	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

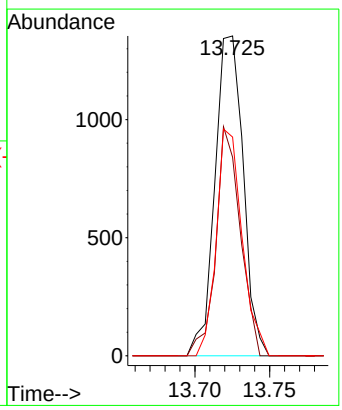
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

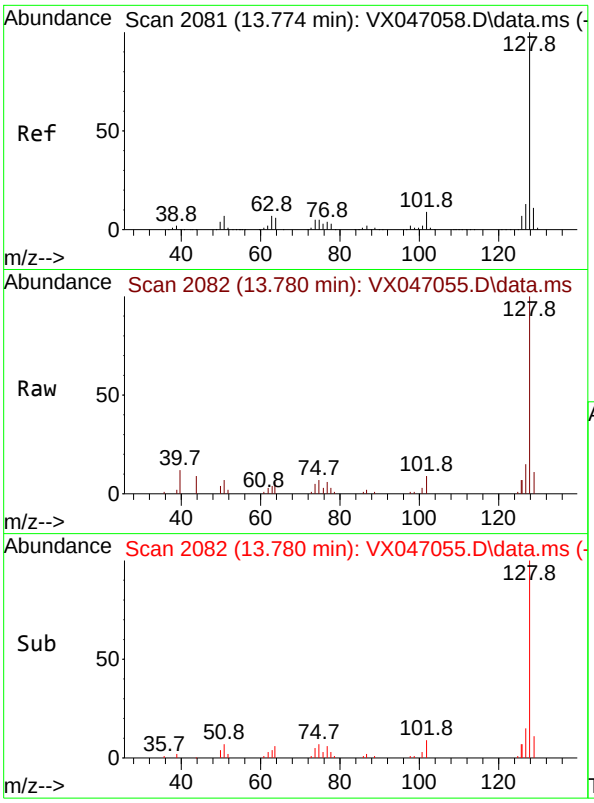


#94
Hexachlorobutadiene
Concen: 0.866 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:225 Resp: 1785

Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.6	95.0
227	64.4	32.9	98.6

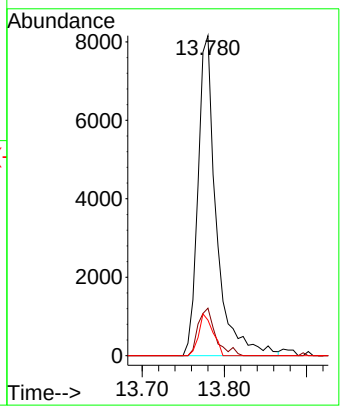




#95
Naphthalene
Concen: 0.712 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:128 Resp: 1264

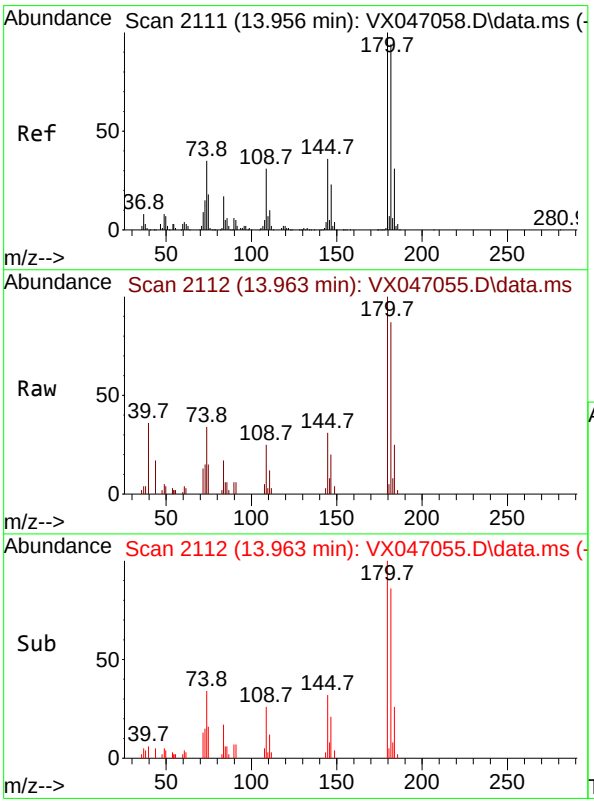
Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.1	15.1
129	10.1	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

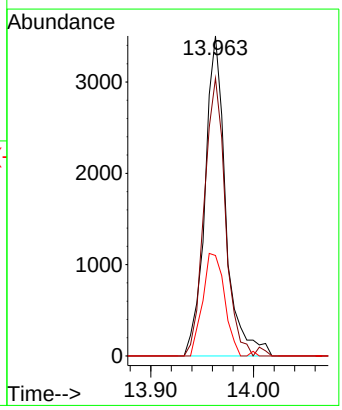
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 0.846 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:180 Resp: 4936

Ion	Ratio	Lower	Upper
180	100		
182	87.3	46.9	140.6
145	33.7	17.3	52.0



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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

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

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

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

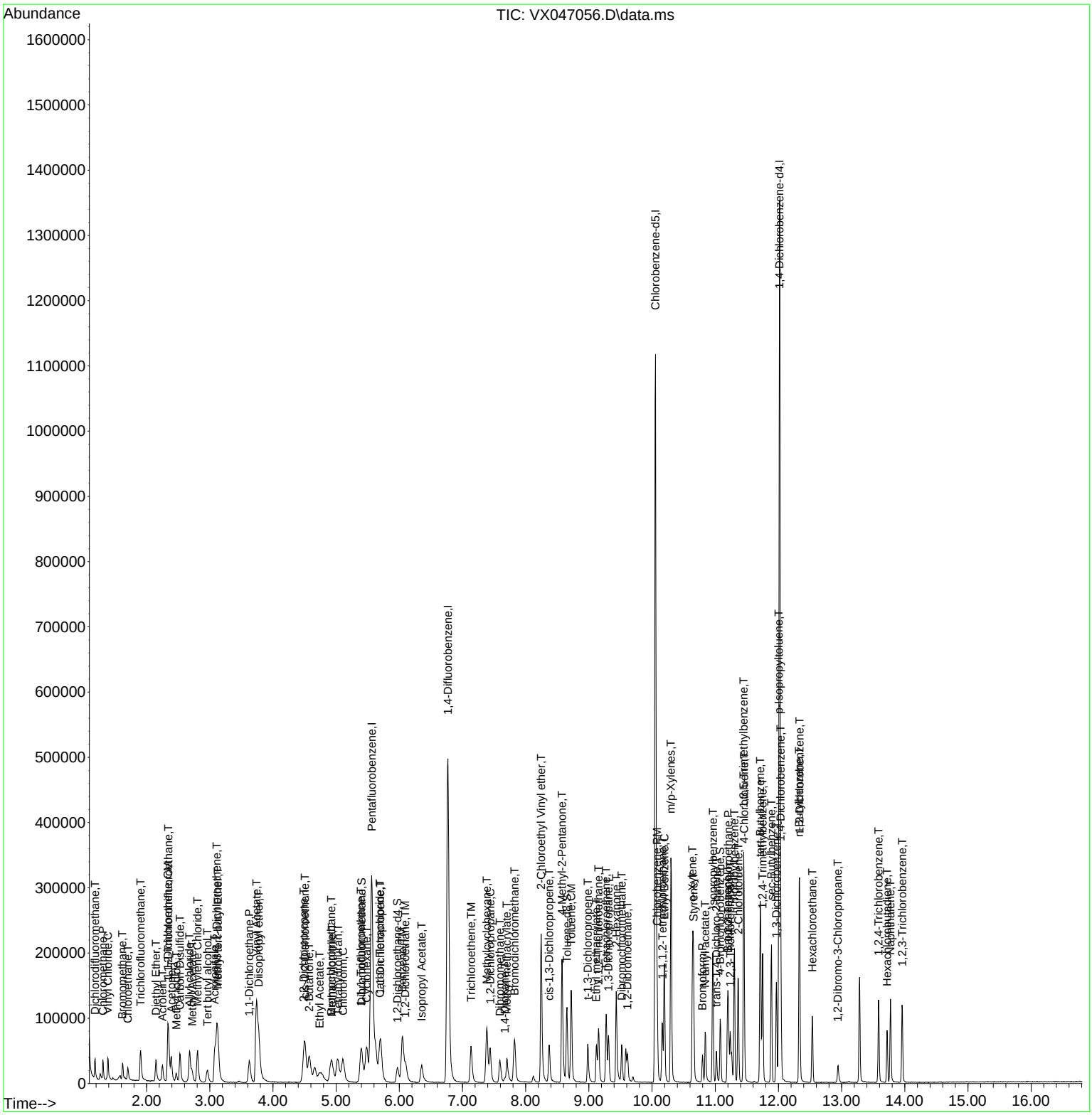
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Data File : VX047056.D
Acq On : 21 Jul 2025 10:08
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

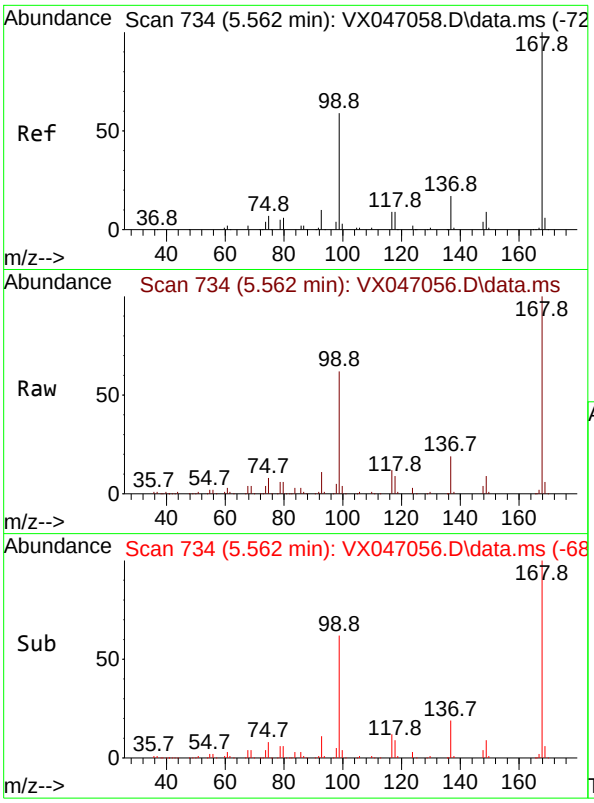
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Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

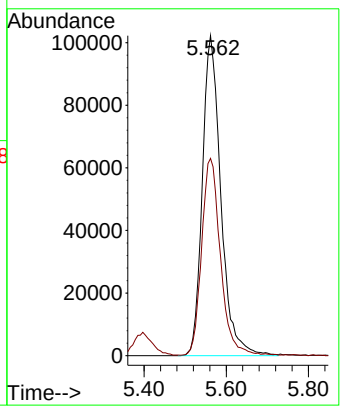




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:168 Resp: 31945

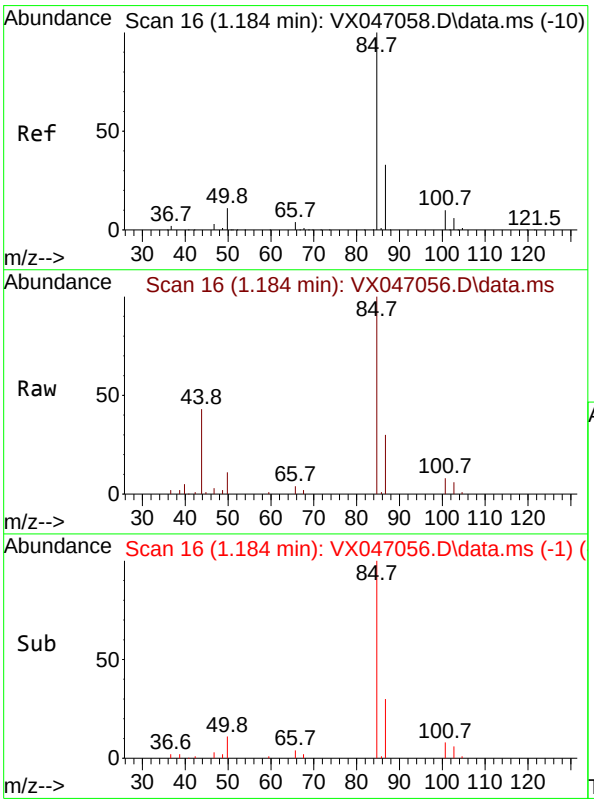
Ion	Ratio	Lower	Upper
168	100		
99	61.5	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

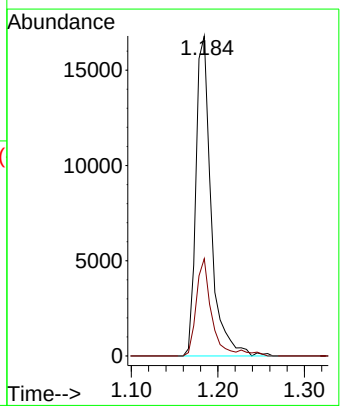
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

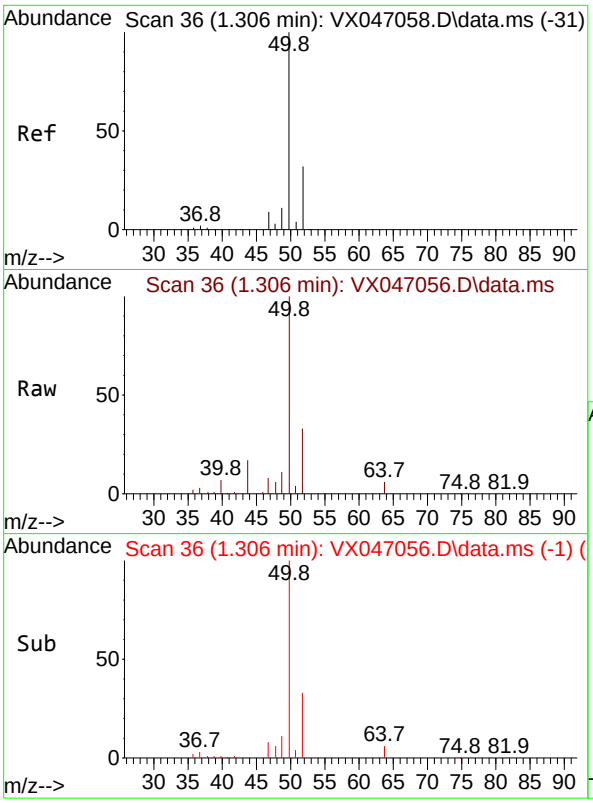


#2
Dichlorodifluoromethane
Concen: 4.820 ug/l
RT: 1.184 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 85 Resp: 20453

Ion	Ratio	Lower	Upper
85	100		
87	30.4	16.6	49.8

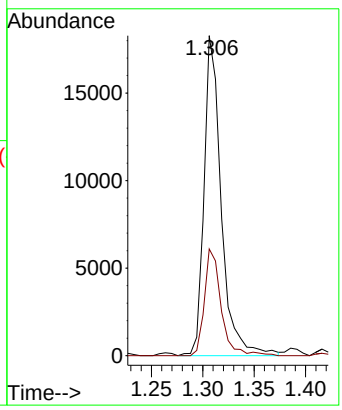




#3
Chloromethane
Concen: 5.082 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 50 Resp: 2133

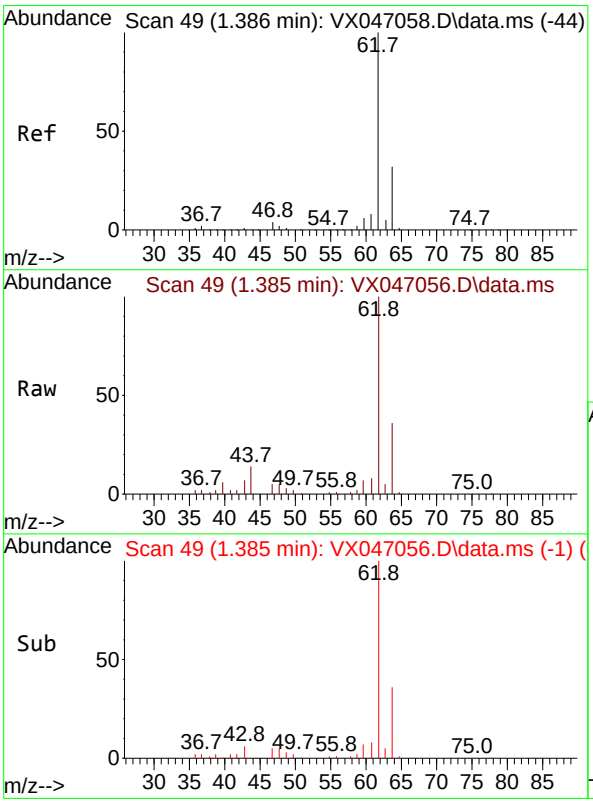
Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

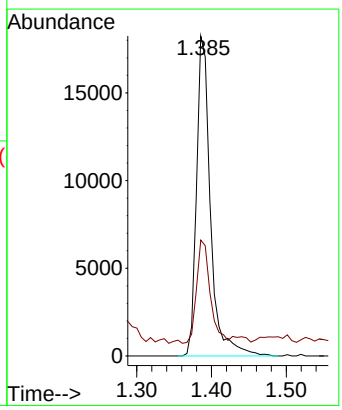
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

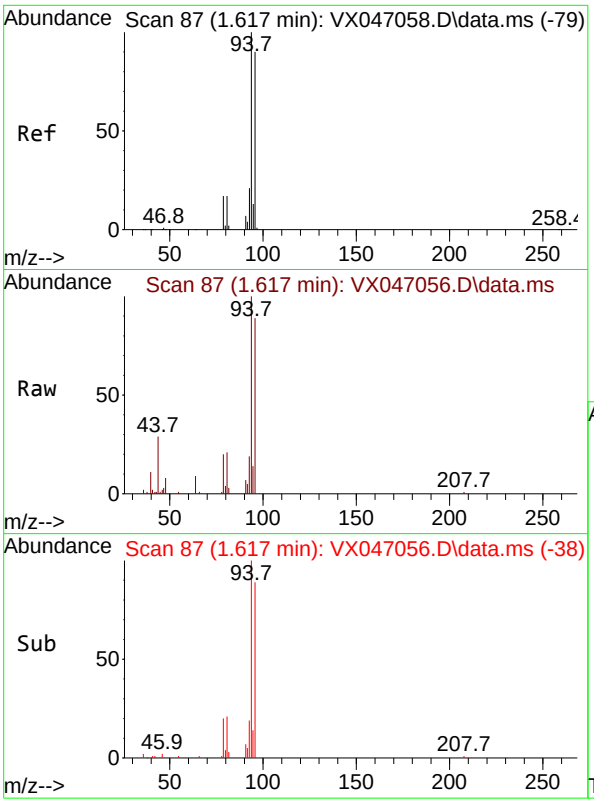


#4
Vinyl Chloride
Concen: 5.236 ug/l
RT: 1.385 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 62 Resp: 23623

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.2	37.8

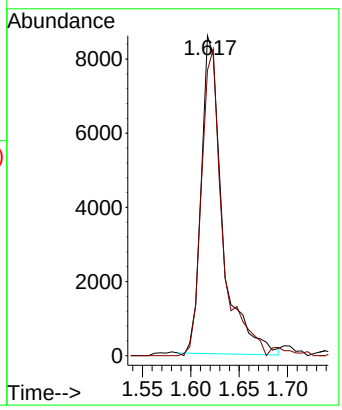




#5
Bromomethane
Concen: 5.324 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 94 Resp: 1304

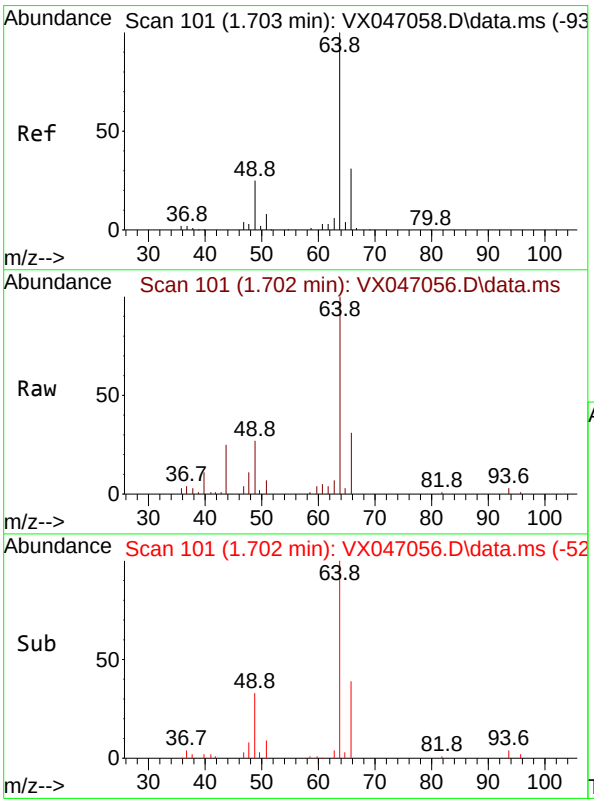
Ion	Ratio	Lower	Upper
94	100		
96	79.1	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

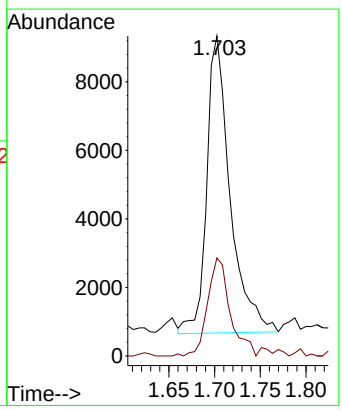
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

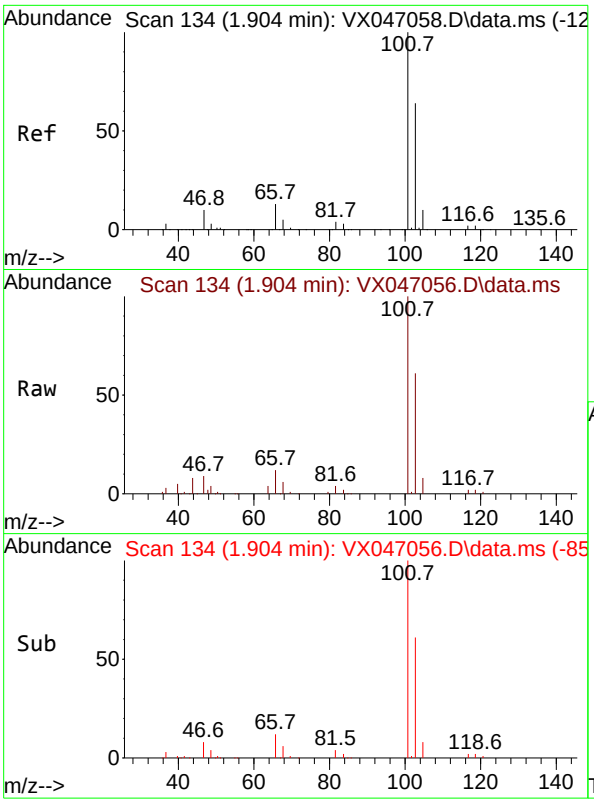


#6
Chloroethane
Concen: 5.200 ug/l
RT: 1.702 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 64 Resp: 15411

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.0	37.6

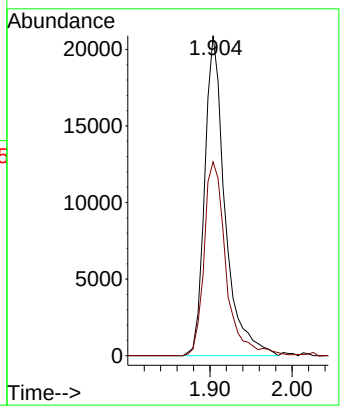




#7
Trichlorofluoromethane
Concen: 5.334 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:101 Resp: 3588

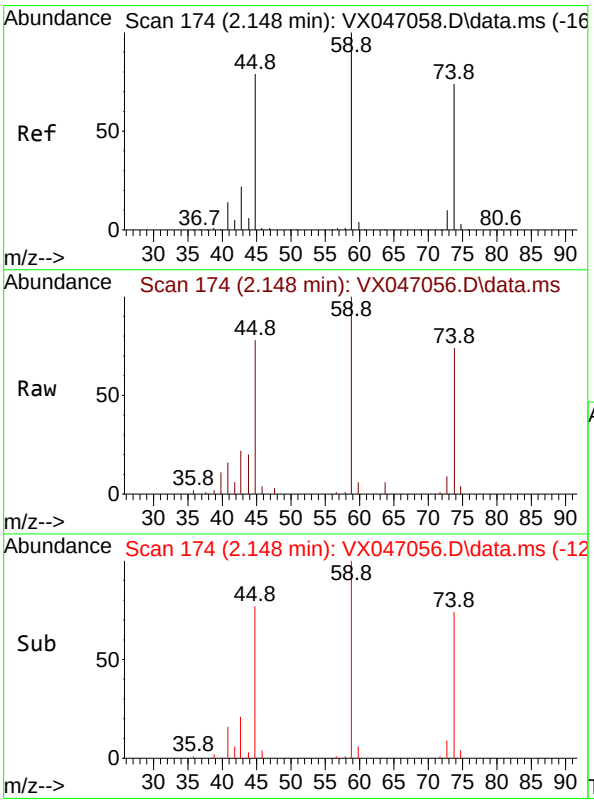
Ion	Ratio	Lower	Upper
101	100		
103	60.5	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

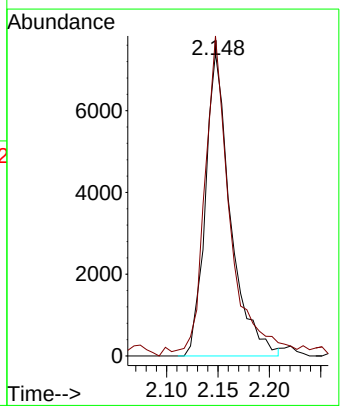
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

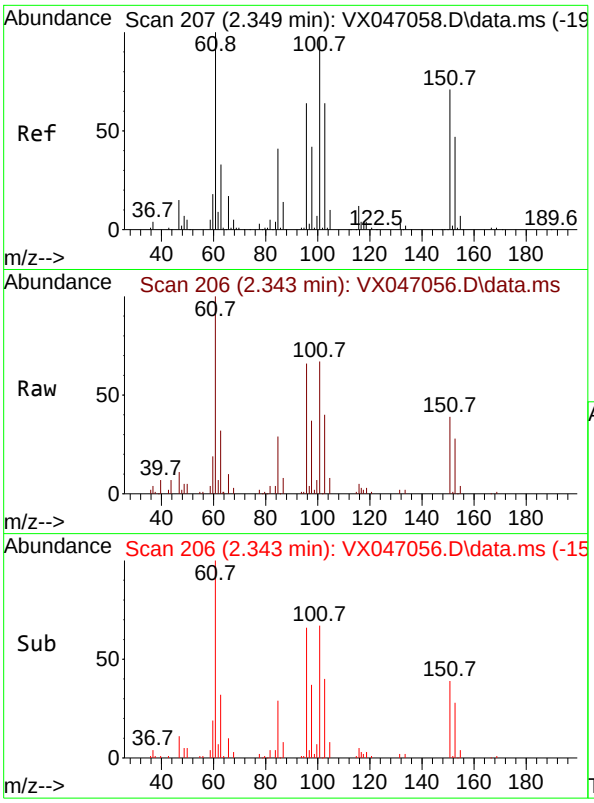


#8
Diethyl Ether
Concen: 5.315 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 74 Resp: 12607

Ion	Ratio	Lower	Upper
74	100		
45	107.9	53.0	159.0

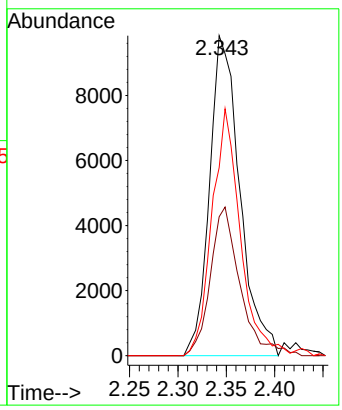




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.285 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:101 Resp: 2142

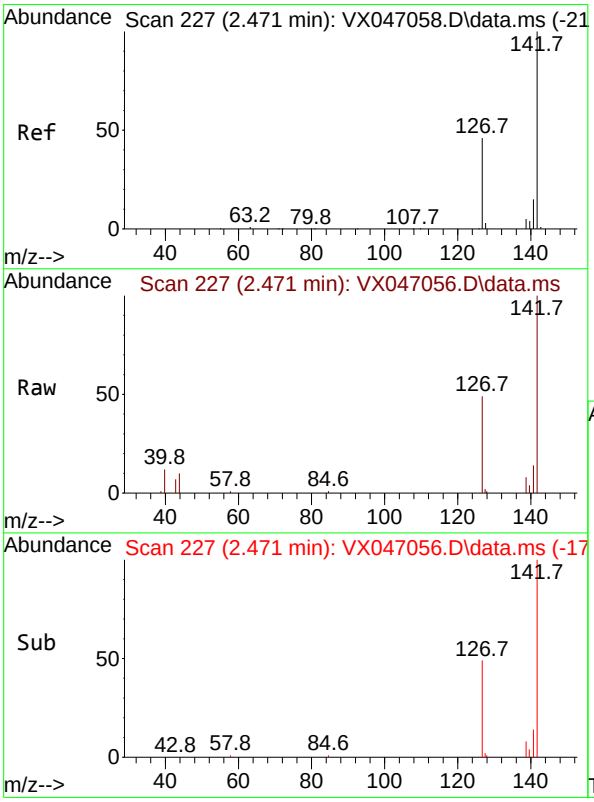
Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.4	53.0
151	72.1	59.2	88.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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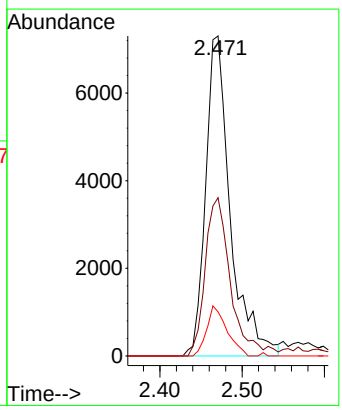
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

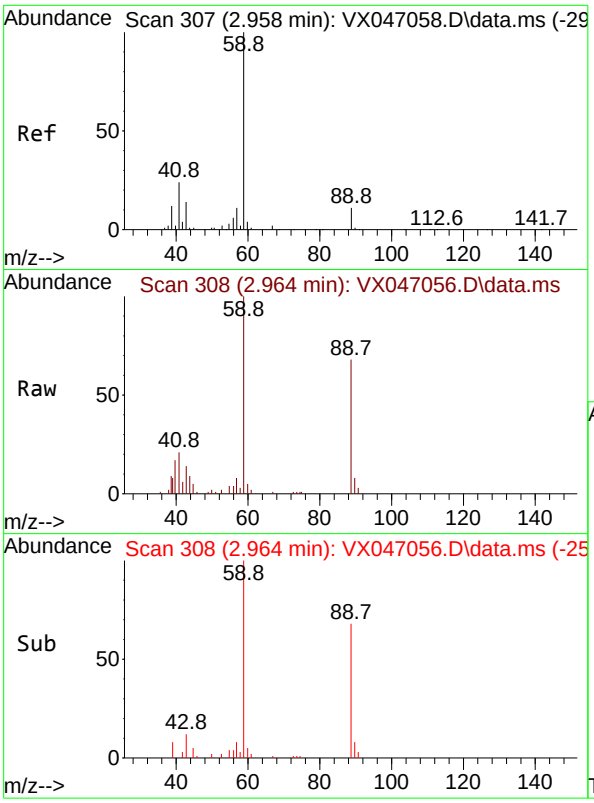


#10
Methyl Iodide
Concen: 3.680 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:142 Resp: 15201

Ion	Ratio	Lower	Upper
142	100		
127	51.0	36.6	54.8
141	12.8	10.9	16.3





#11
Tert butyl alcohol
Concen: 28.263 ug/l
RT: 2.964 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

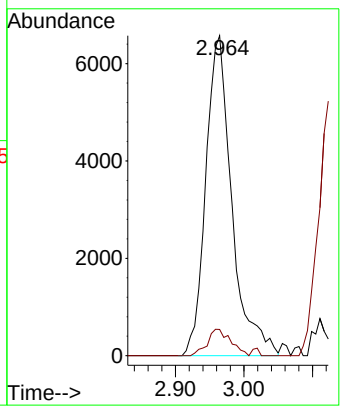
Tgt Ion: 59 Resp: 1739

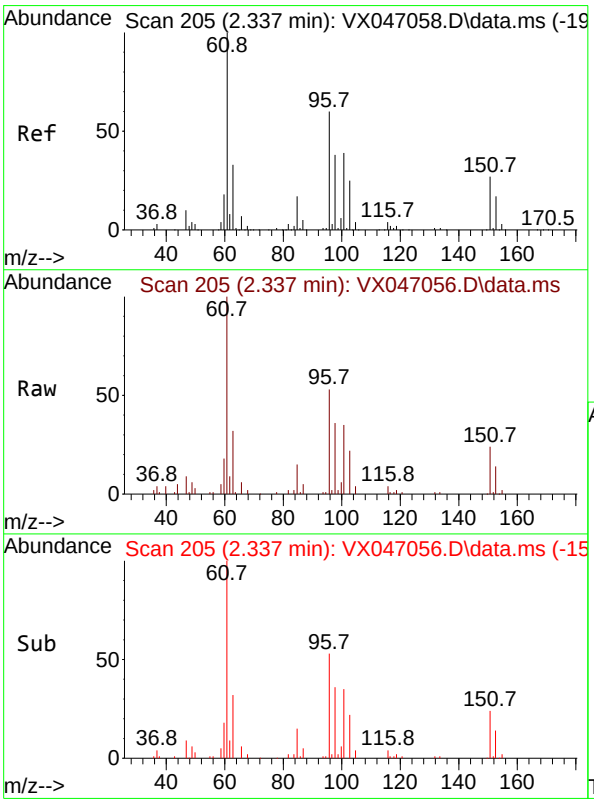
Ion	Ratio	Lower	Upper
59	100		
57	7.4	8.5	12.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

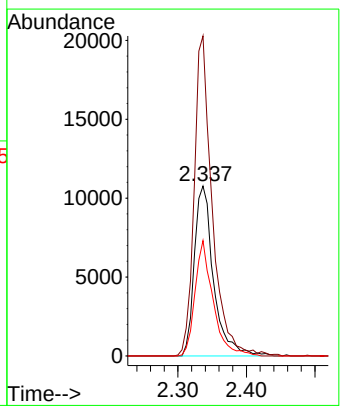


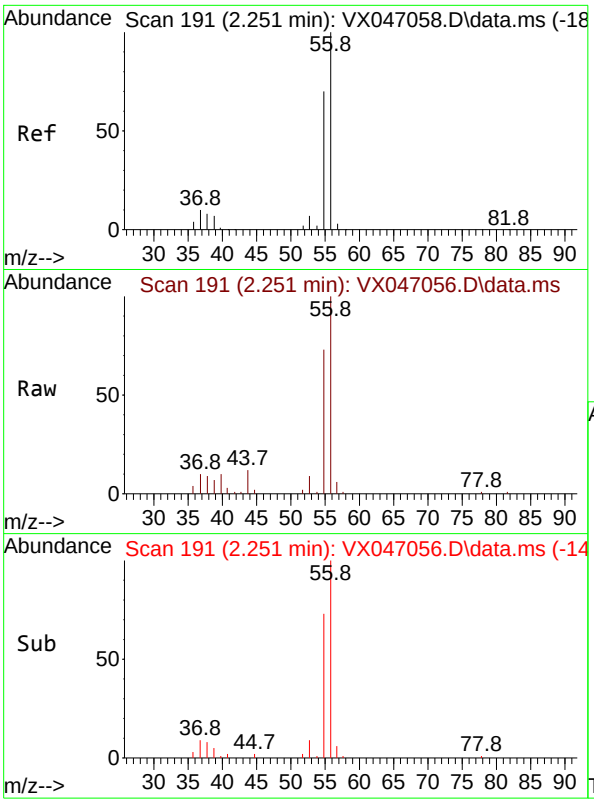


#12
1,1-Dichloroethene
Concen: 5.244 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 96 Resp: 21053

Ion	Ratio	Lower	Upper
96	100		
61	180.6	132.6	198.8
98	65.4	50.2	75.4

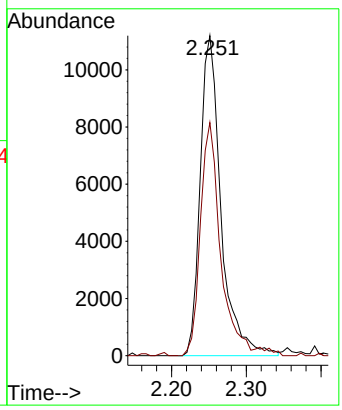




#13
Acrolein
Concen: 25.213 ug/l
RT: 2.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 56 Resp: 2160

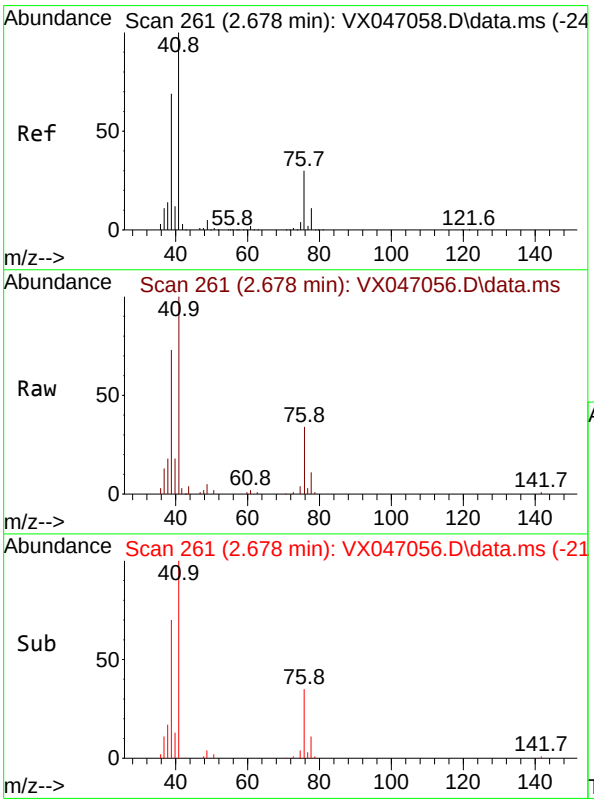
Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

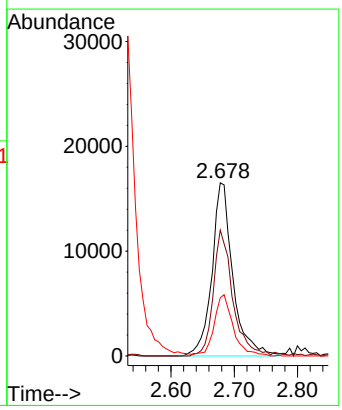
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

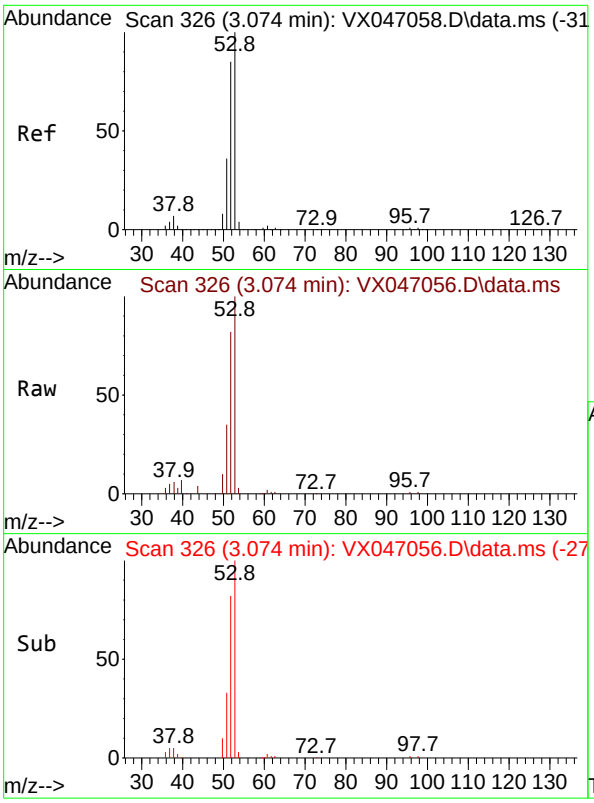


#14
Allyl chloride
Concen: 5.242 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 41 Resp: 38039

Ion	Ratio	Lower	Upper
41	100		
39	67.1	52.6	78.8
76	32.0	25.7	38.5

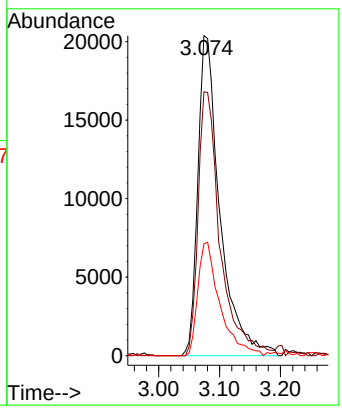




#15
Acrylonitrile
Concen: 27.051 ug/l
RT: 3.074 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 53 Resp: 5134

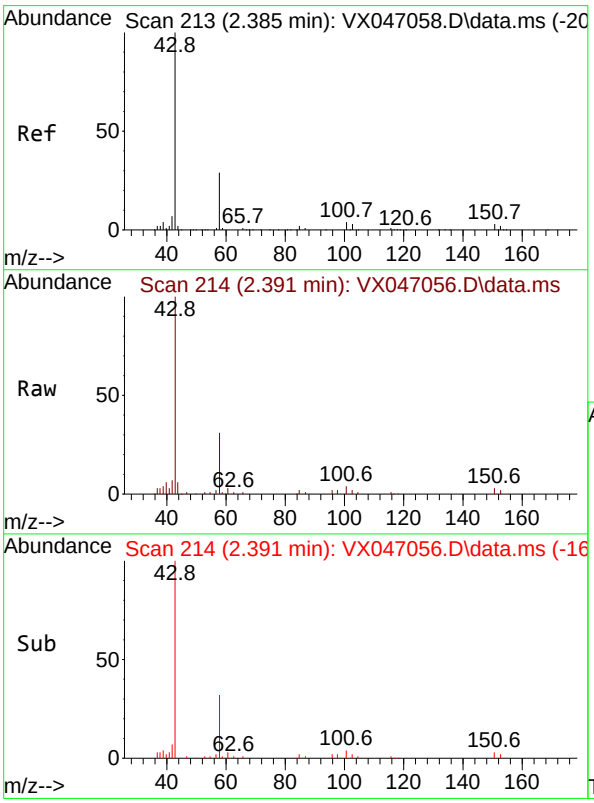
Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.7	98.5
51	35.3	28.8	43.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

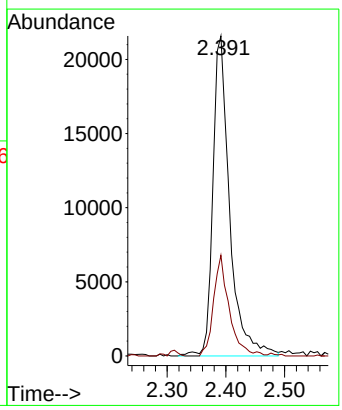
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

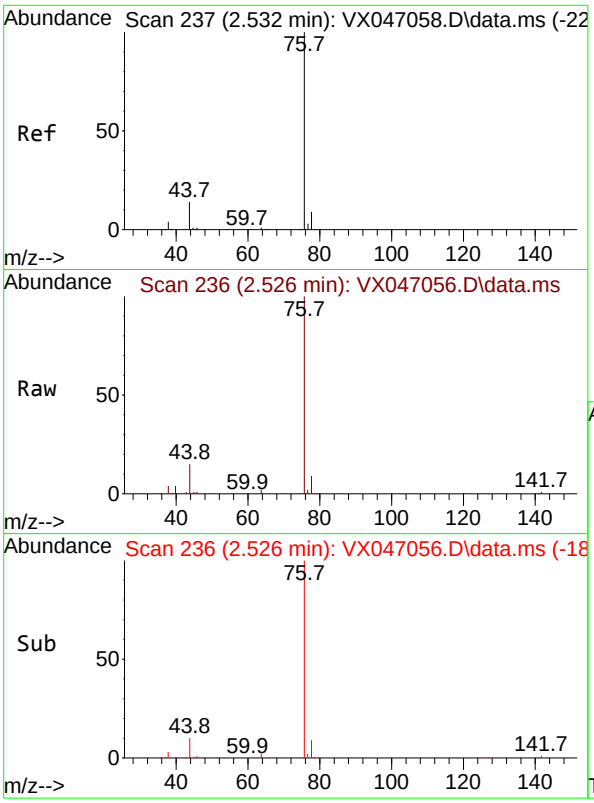


#16
Acetone
Concen: 26.796 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 43 Resp: 42718

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.0	36.0

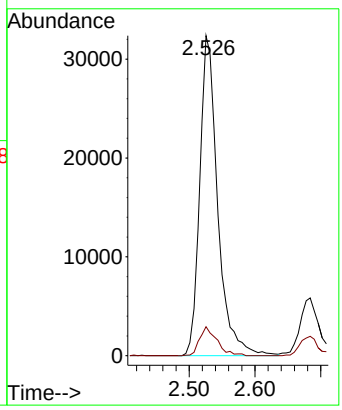




#17
Carbon Disulfide
Concen: 5.297 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 76 Resp: 6152

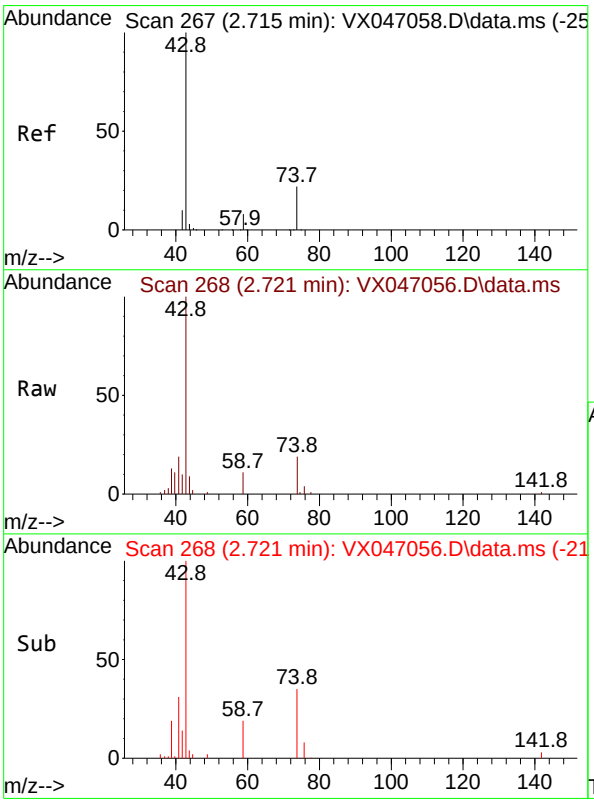
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

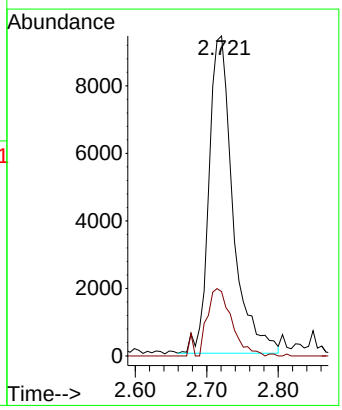
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

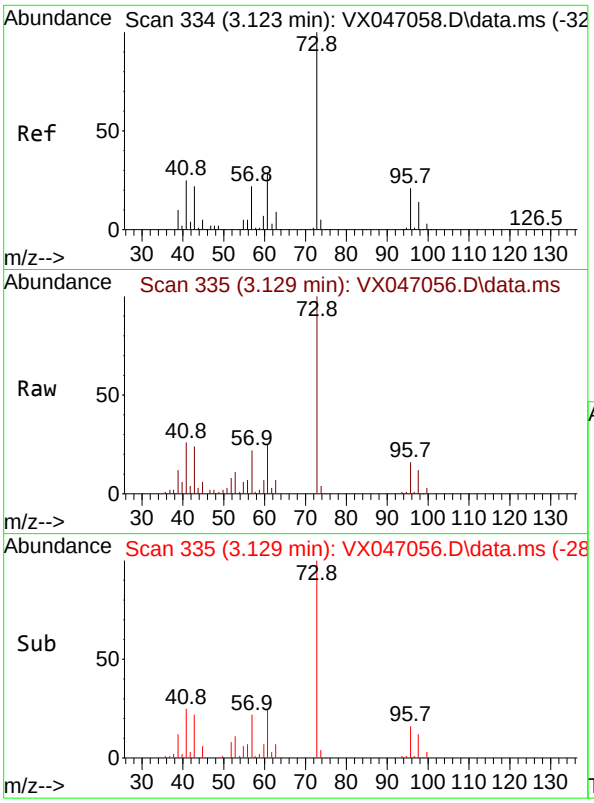


#18
Methyl Acetate
Concen: 5.171 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 43 Resp: 21905

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.7	26.5

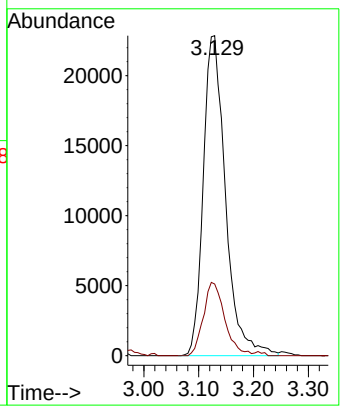




#19
Methyl tert-butyl Ether
Concen: 5.259 ug/l
RT: 3.129 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 73 Resp: 6425

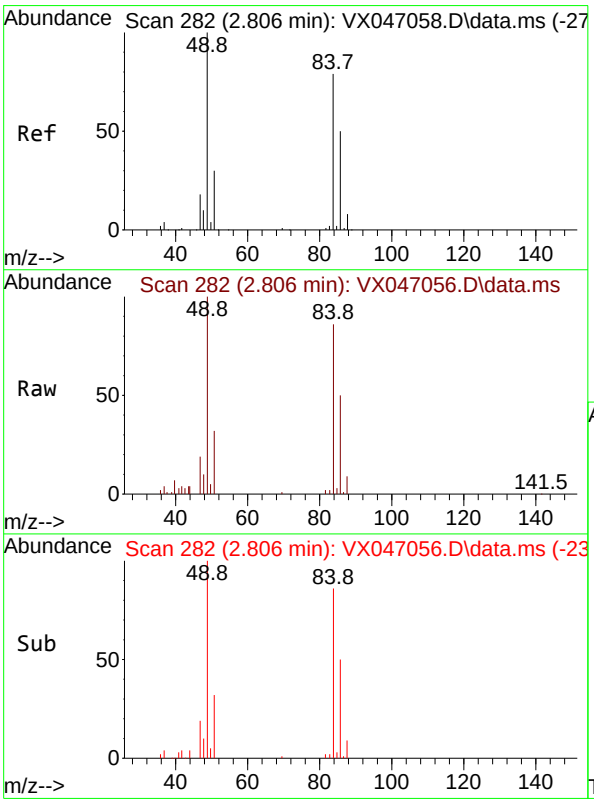
Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

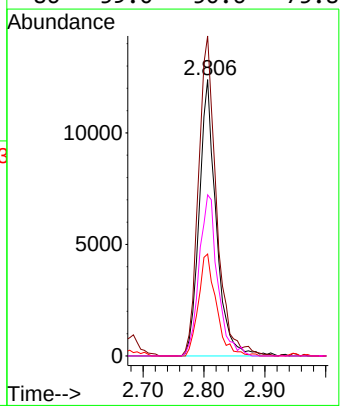
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

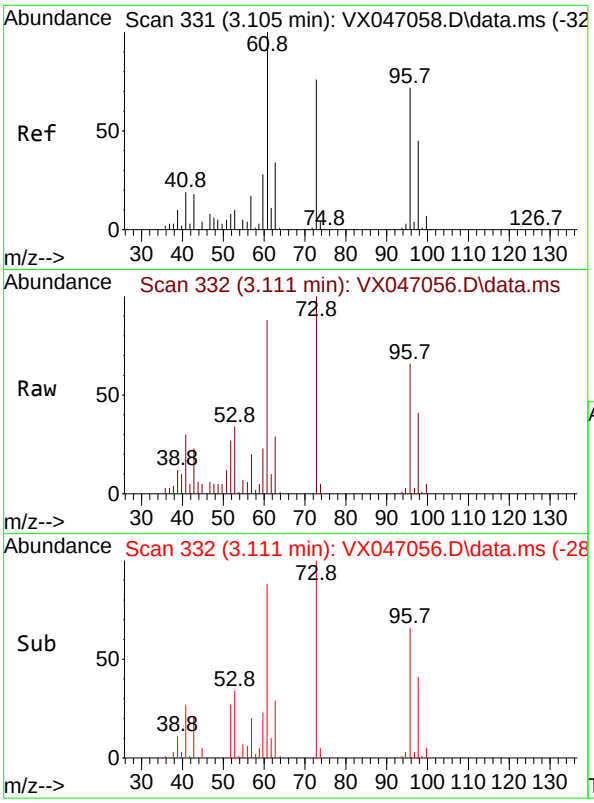


#20
Methylene Chloride
Concen: 5.470 ug/l
RT: 2.806 min Scan# 282
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 84 Resp: 23989

Ion	Ratio	Lower	Upper
84	100		
49	115.8	101.6	152.4
51	36.9	30.3	45.5
86	59.0	50.6	75.8

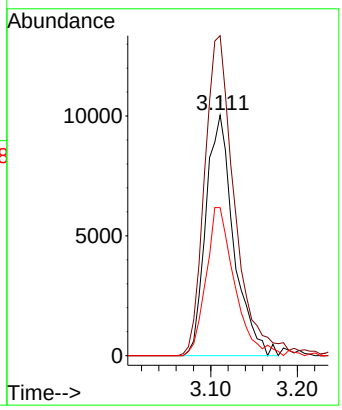




#21
trans-1,2-Dichloroethene
Concen: 5.451 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 96 Resp: 2239

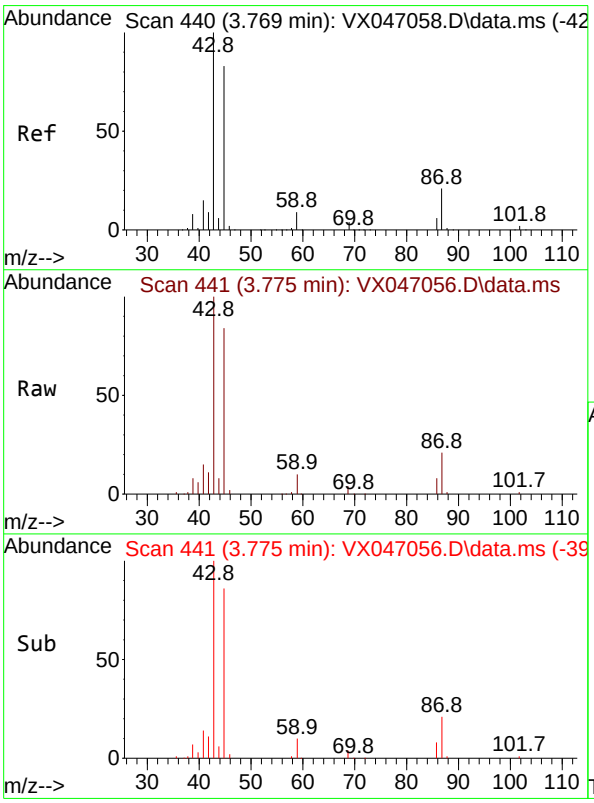
Ion	Ratio	Lower	Upper
96	100		
61	133.1	111.1	166.7
98	63.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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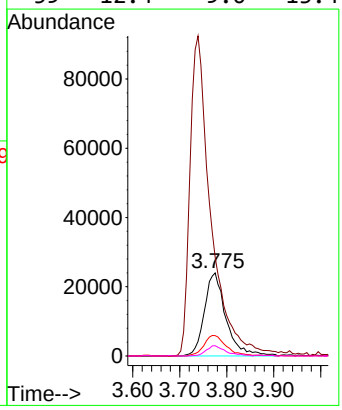
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

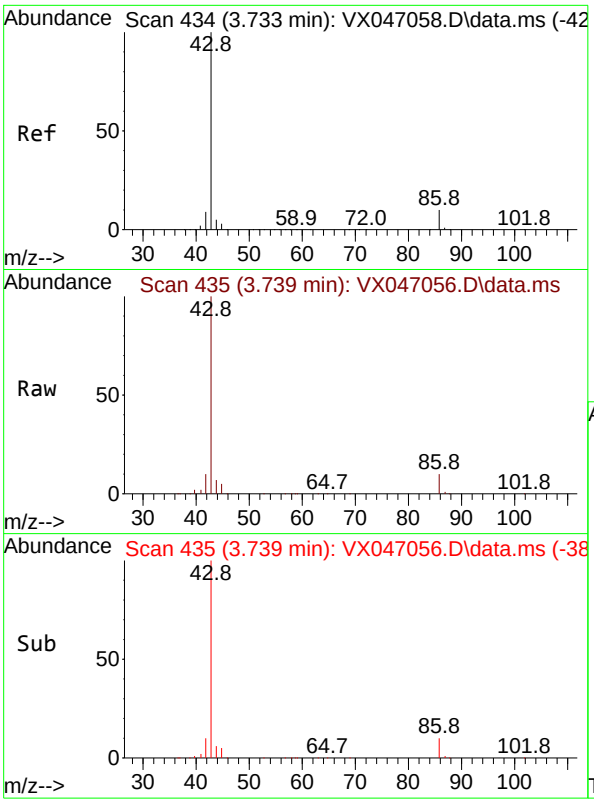


#22
Diisopropyl ether
Concen: 5.480 ug/l
RT: 3.775 min Scan# 441
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 45 Resp: 76458

Ion	Ratio	Lower	Upper
45	100		
43	117.4	96.8	145.2
87	24.5	20.5	30.7
59	12.4	9.0	13.4





#23
Vinyl Acetate
Concen: 25.756 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

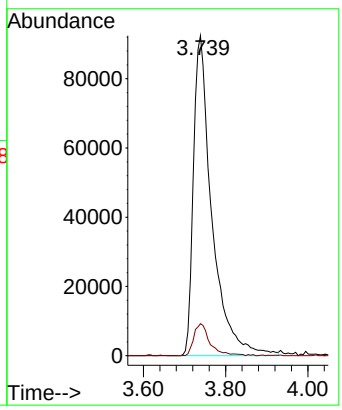
Tgt Ion: 43 Resp: 28823

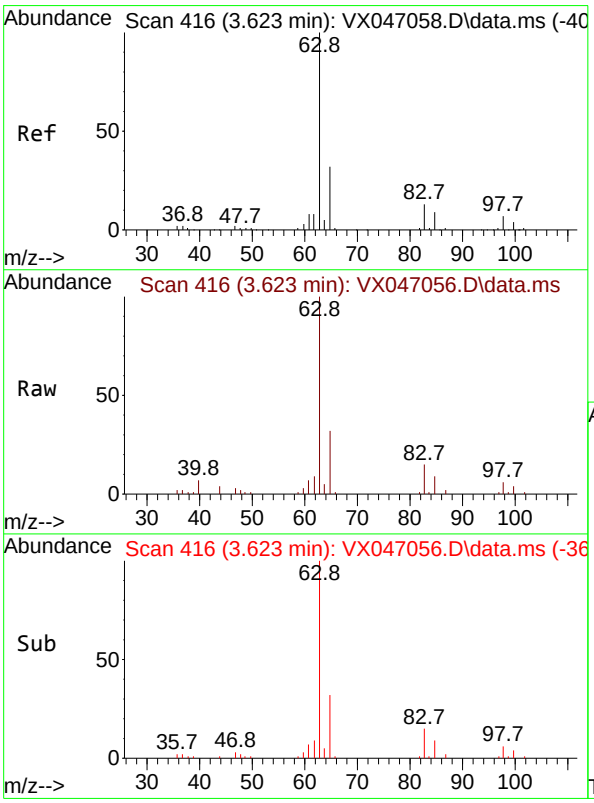
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

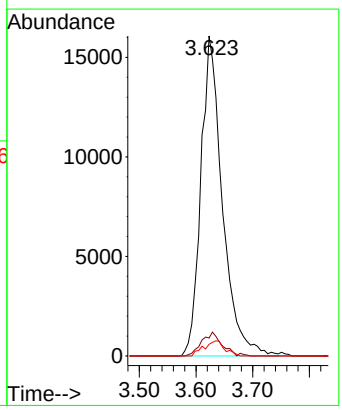


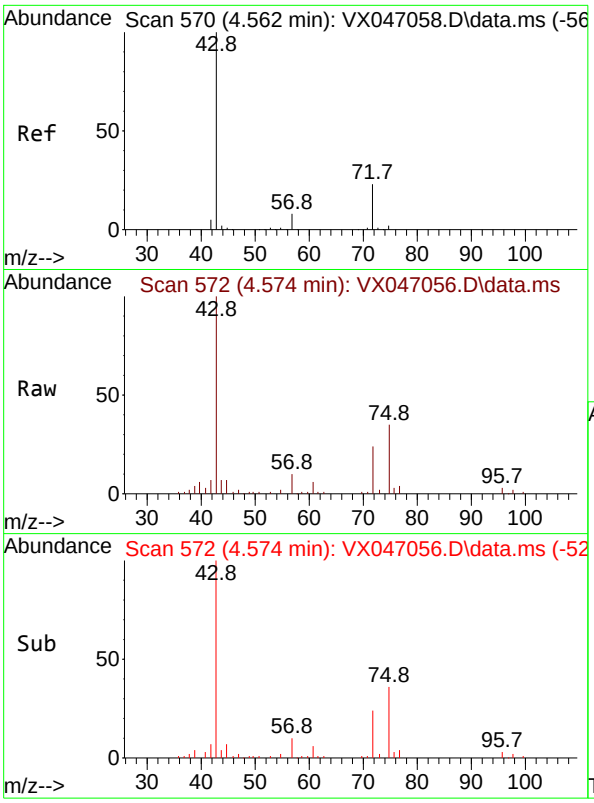


#24
1,1-Dichloroethane
Concen: 5.465 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 63 Resp: 42402

Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.6	10.8
100	3.7	2.3	6.8





#25
2-Butanone
Concen: 25.858 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

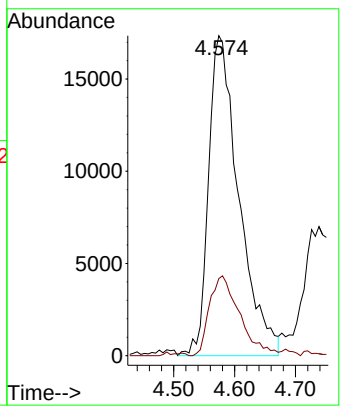
Tgt Ion: 43 Resp: 6002

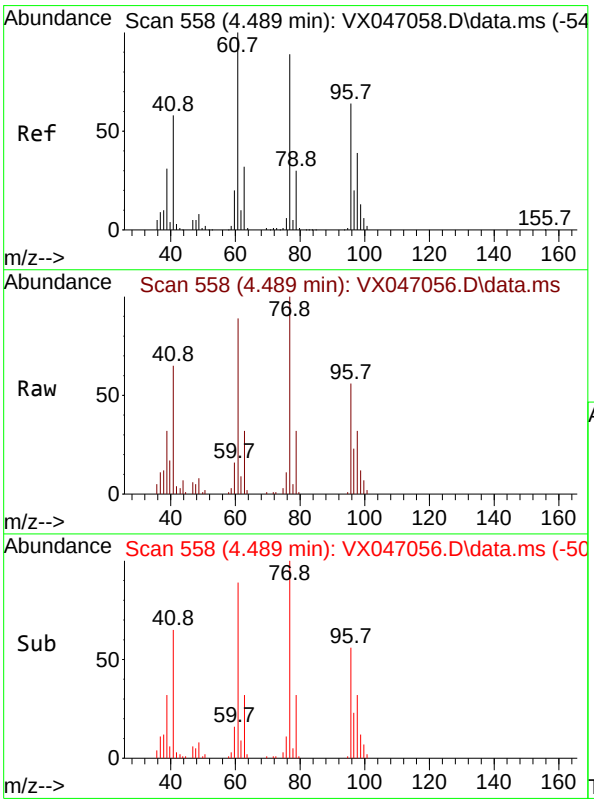
Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

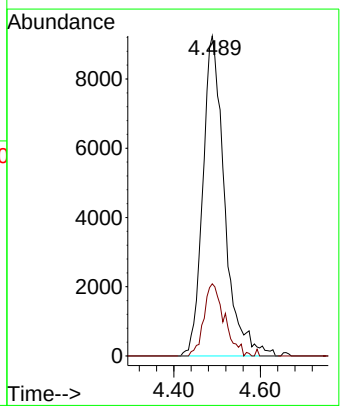


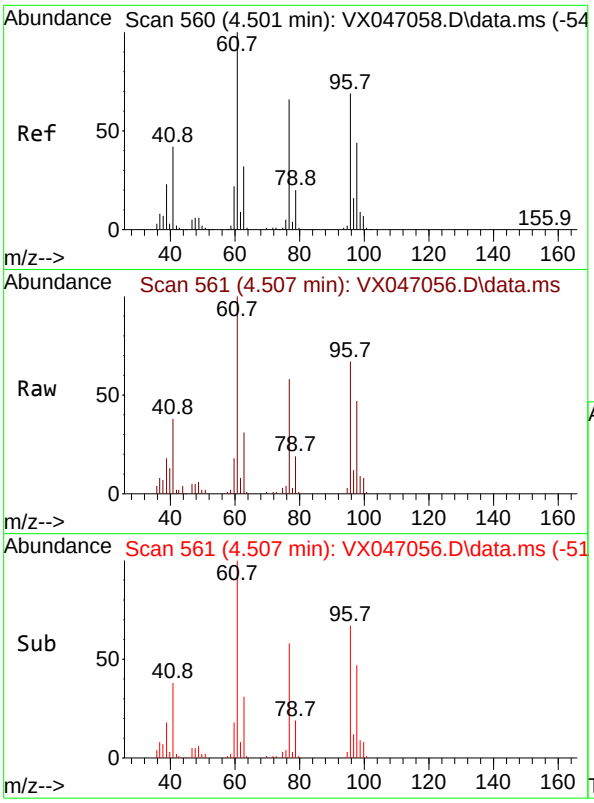


#26
2,2-Dichloropropane
Concen: 5.378 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 77 Resp: 32298

Ion	Ratio	Lower	Upper
77	100		
97	21.4	11.4	34.1

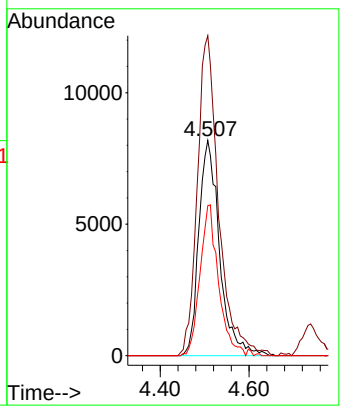




#27
cis-1,2-Dichloroethene
Concen: 5.463 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 96 Resp: 2657

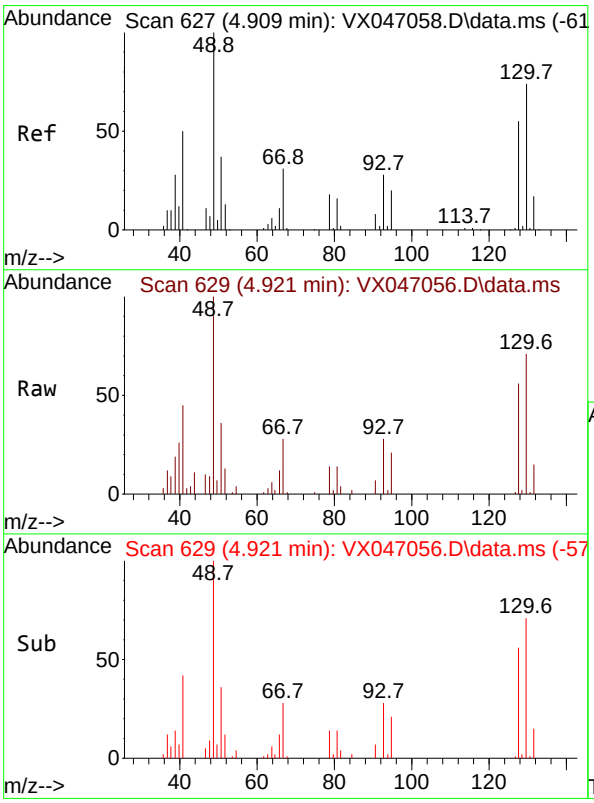
Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	298.6
98	62.5	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

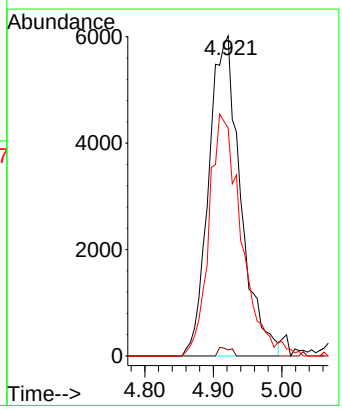
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

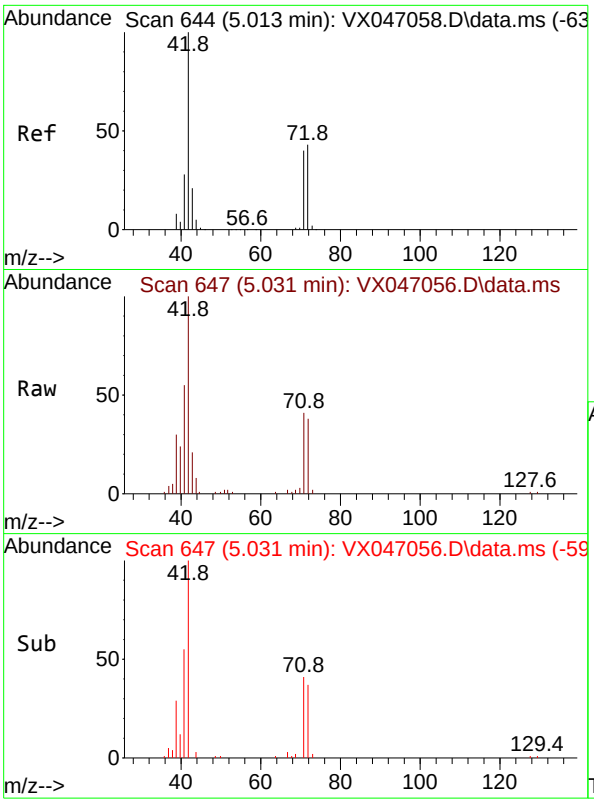


#28
Bromochloromethane
Concen: 5.445 ug/l
RT: 4.921 min Scan# 629
Delta R.T. 0.012 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 49 Resp: 19435

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	77.0	59.0	88.4

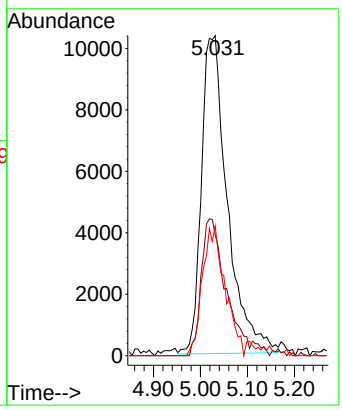




#29
Tetrahydrofuran
Concen: 26.631 ug/l
RT: 5.031 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 42 Resp: 3988

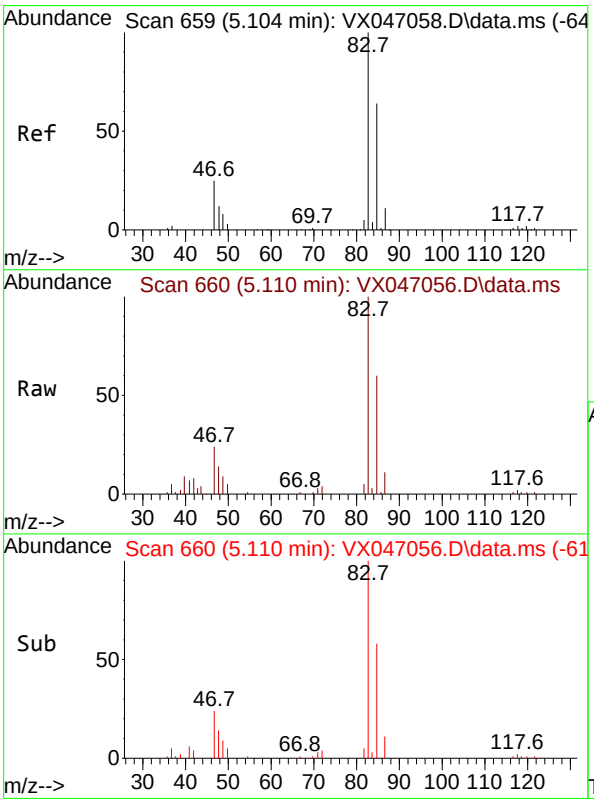
Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.7	50.5
71	35.4	31.0	46.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

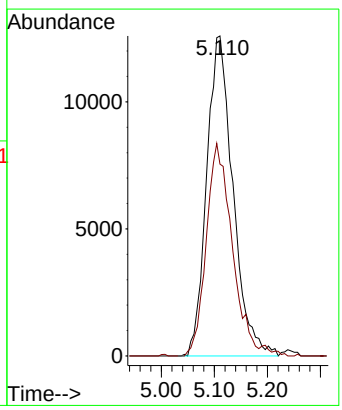
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

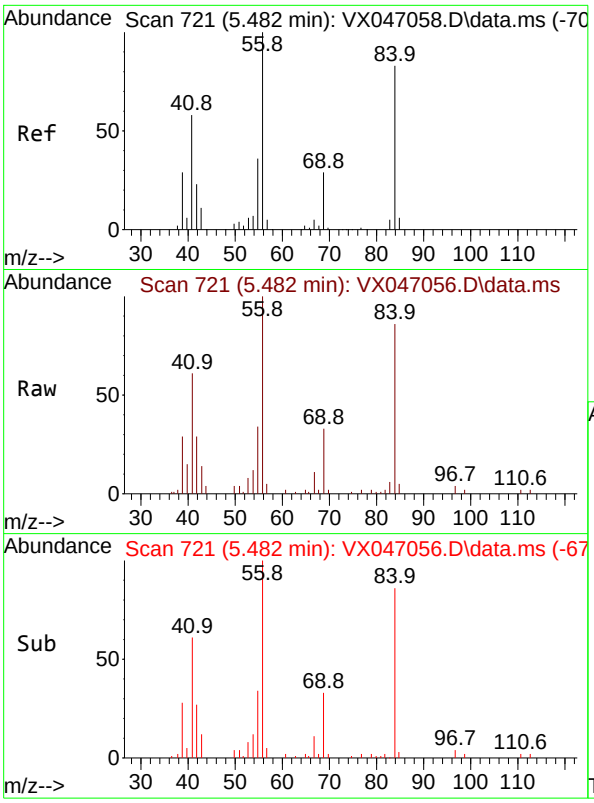


#30
Chloroform
Concen: 5.487 ug/l
RT: 5.110 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 83 Resp: 43336

Ion	Ratio	Lower	Upper
83	100		
85	58.1	50.9	76.3

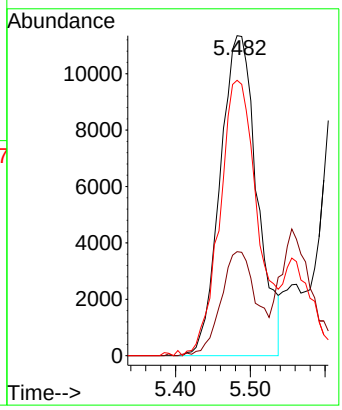




#31
Cyclohexane
Concen: 5.241 ug/l
RT: 5.482 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 56 Resp: 3899

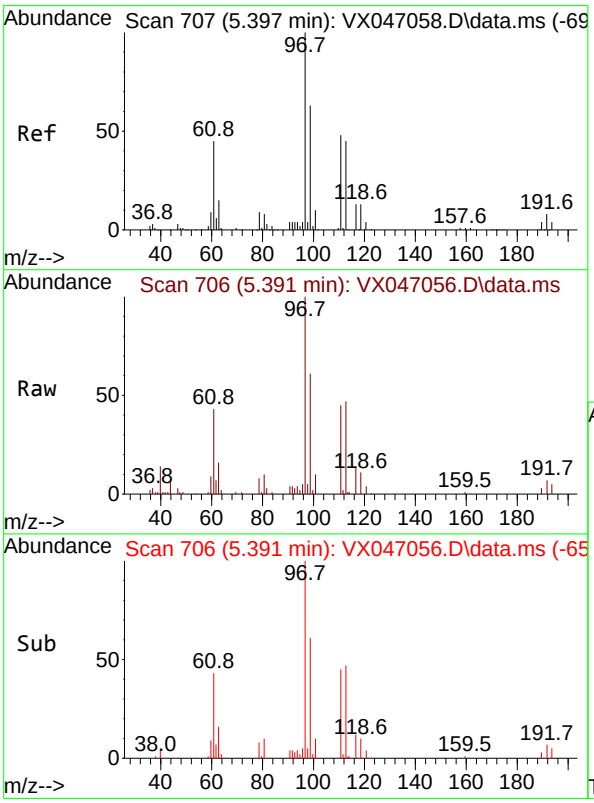
Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.3	34.9
84	80.5	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

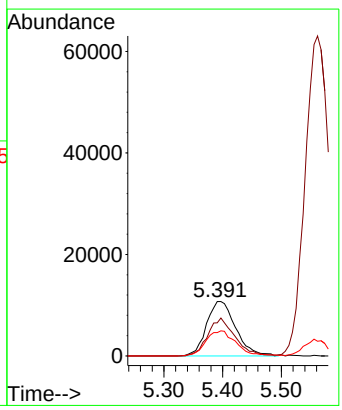
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

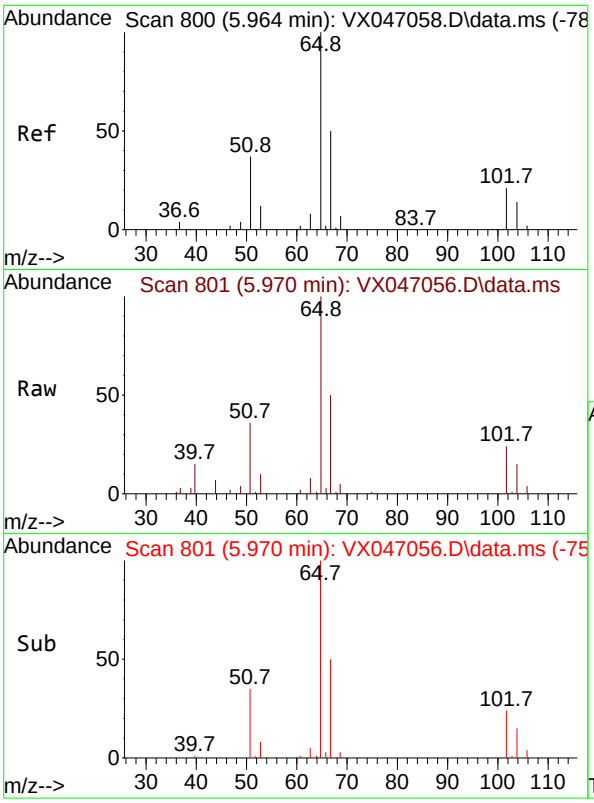


#32
1,1,1-Trichloroethane
Concen: 5.382 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 97 Resp: 36920

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.2	76.8
61	48.1	37.1	55.7

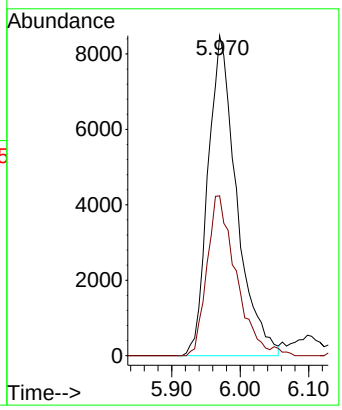




#33
1,2-Dichloroethane-d4
Concen: 6.169 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 65 Resp: 2455

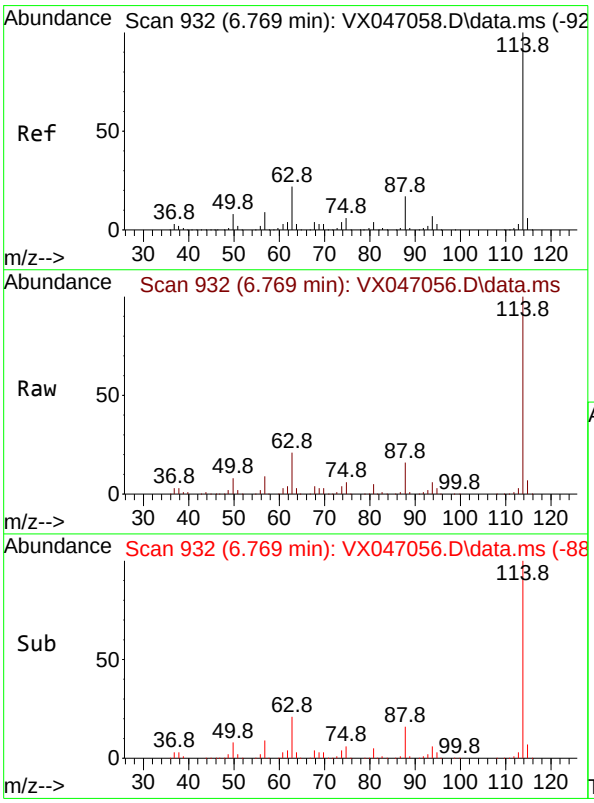
Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

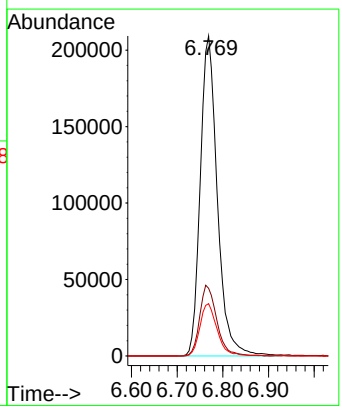
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

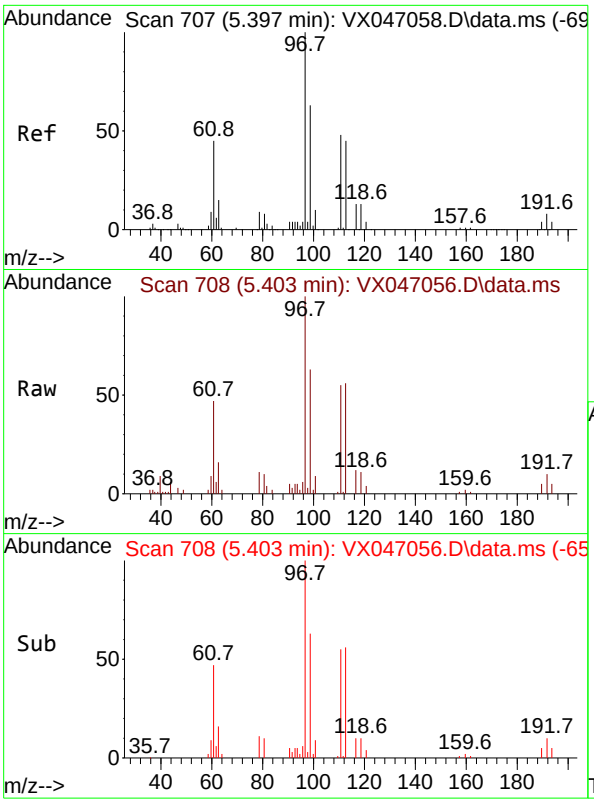


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:114 Resp: 542097

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.2
88	16.3	0.0	33.8

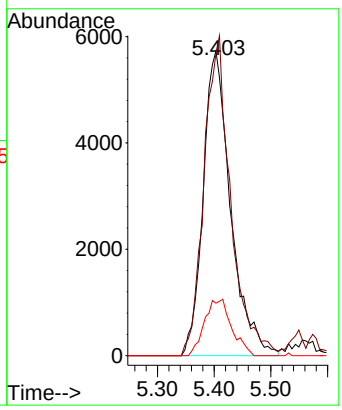




#35
Dibromofluoromethane
Concen: 5.749 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:113 Resp: 1924

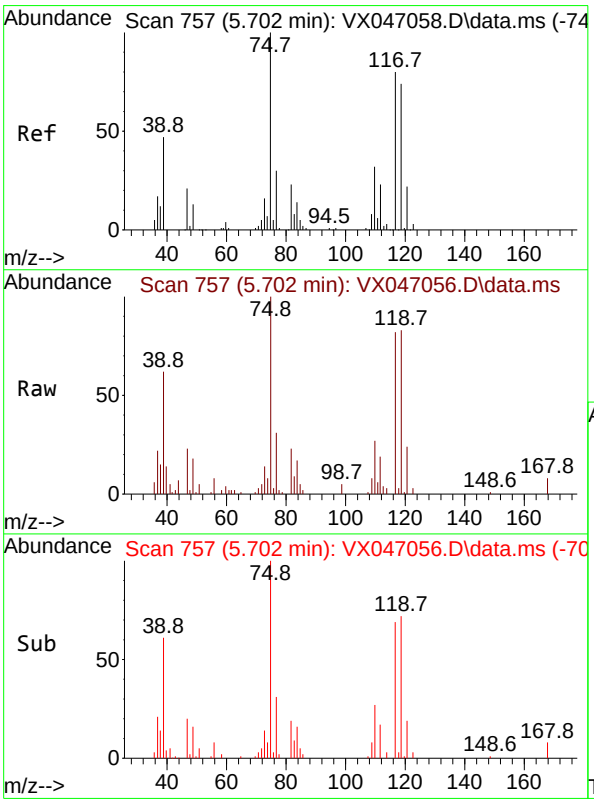
Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	124.0
192	18.3	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

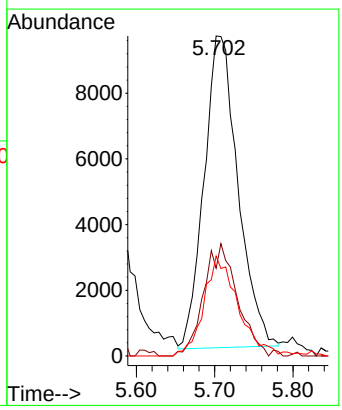
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

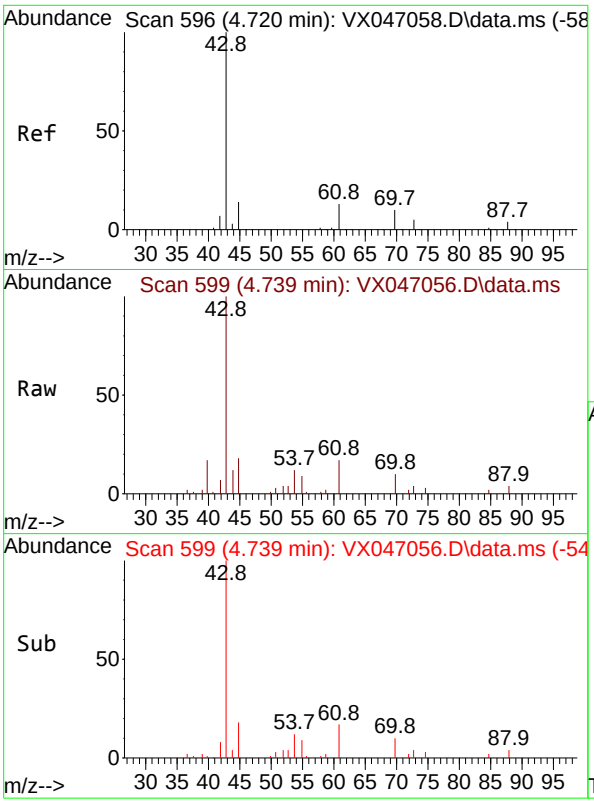


#36
1,1-Dichloropropene
Concen: 5.011 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 75 Resp: 28590

Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.2	51.5
77	32.5	25.1	37.7

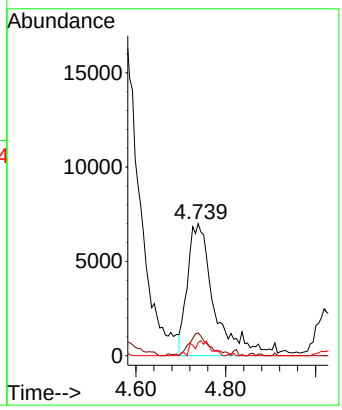




#37
Ethyl Acetate
Concen: 5.790 ug/l m
RT: 4.739 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 43 Resp: 2911

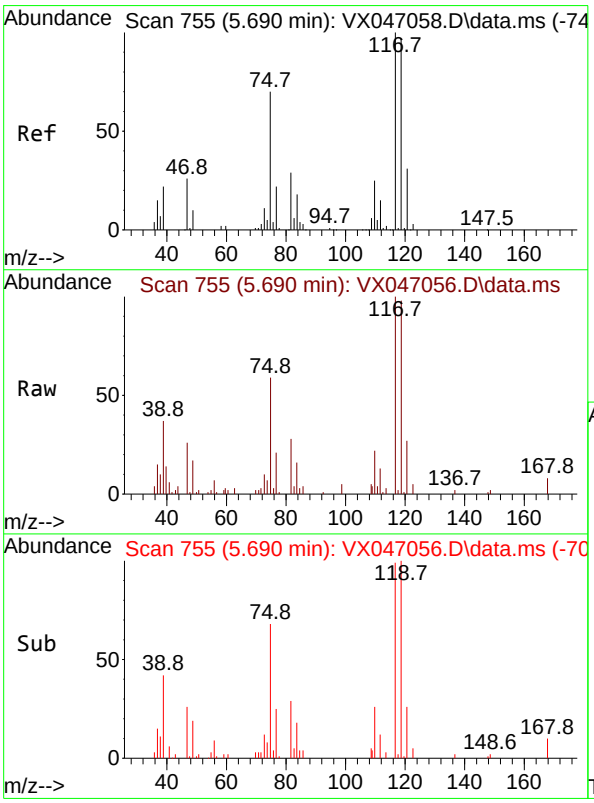
Ion	Ratio	Lower	Upper
43	100		
61	12.2	10.2	15.2
70	5.4	8.1	12.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

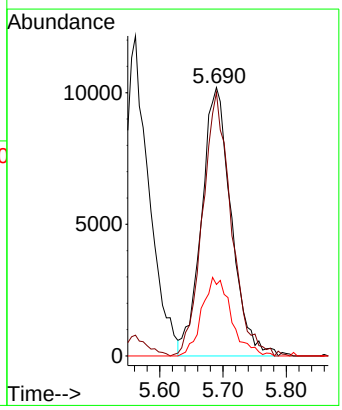
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

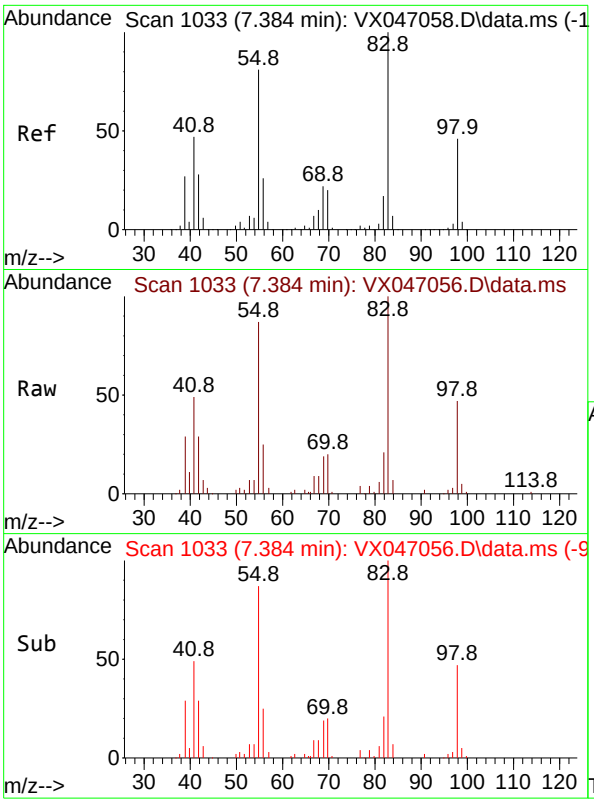


#38
Carbon Tetrachloride
Concen: 5.452 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:117 Resp: 33199

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.6	115.0
121	26.7	24.4	36.6

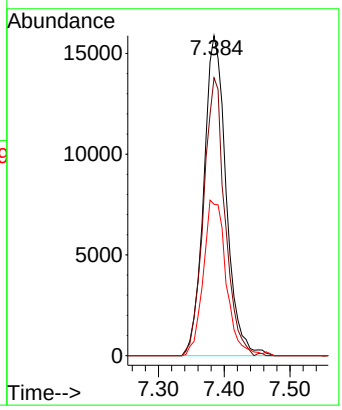




#39
Methylcyclohexane
Concen: 5.271 ug/l
RT: 7.384 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 83 Resp: 3754

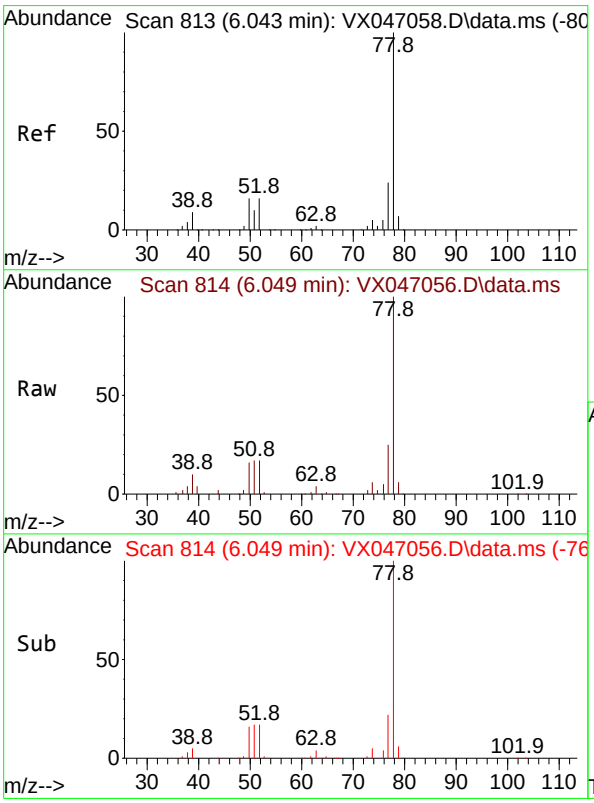
Ion	Ratio	Lower	Upper
83	100		
55	86.9	64.5	96.7
98	47.3	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

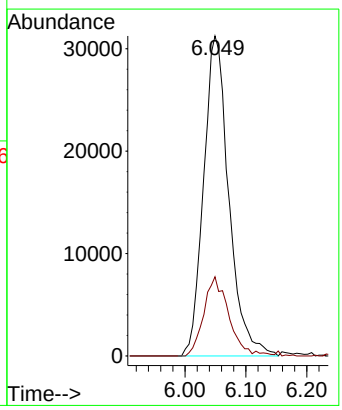
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

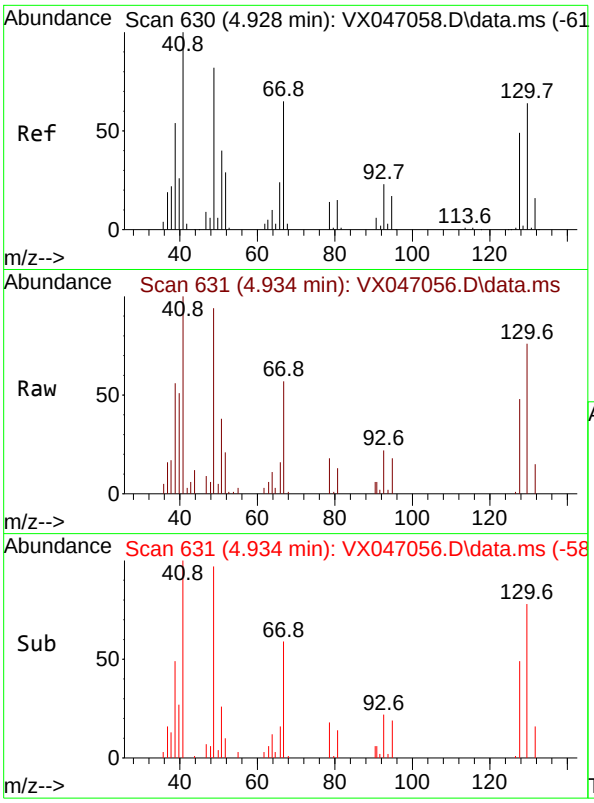


#40
Benzene
Concen: 5.438 ug/l
RT: 6.049 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 78 Resp: 89797

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.4

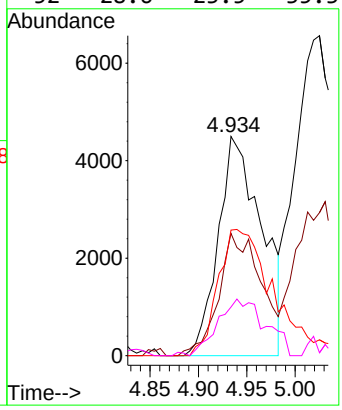




#41
Methacrylonitrile
Concen: 5.100 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 41 Resp: 1401

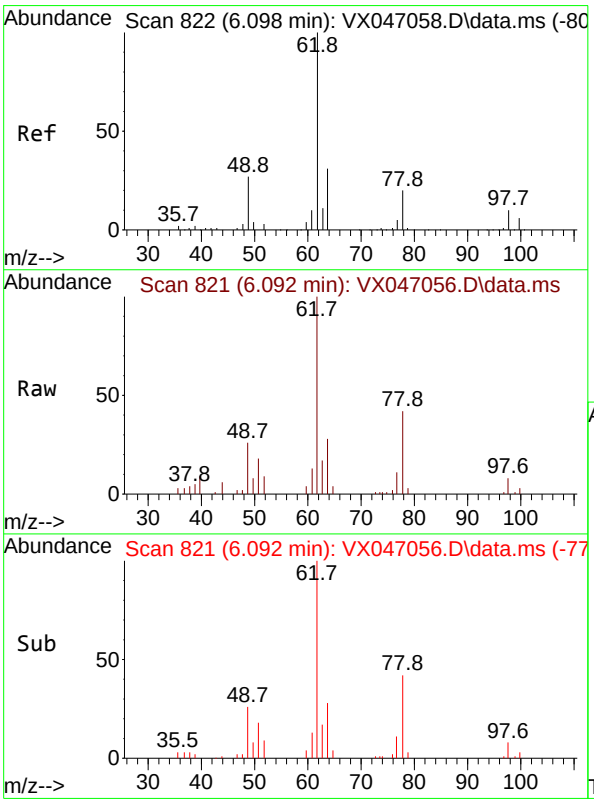
Ion	Ratio	Lower	Upper
41	100		
39	54.6	44.2	66.2
67	73.8	56.4	84.6
52	28.6	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

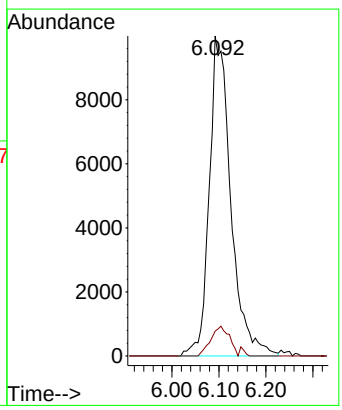
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

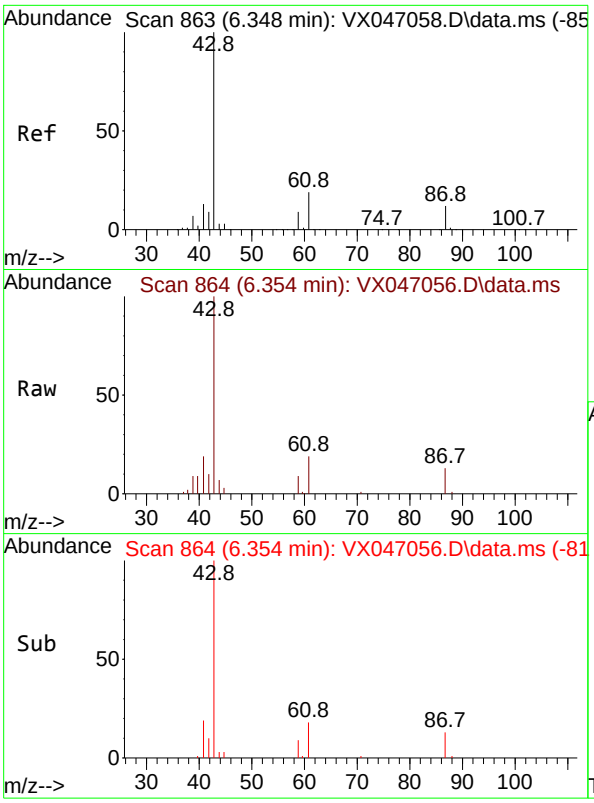


#42
1,2-Dichloroethane
Concen: 5.475 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 62 Resp: 31844

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.8

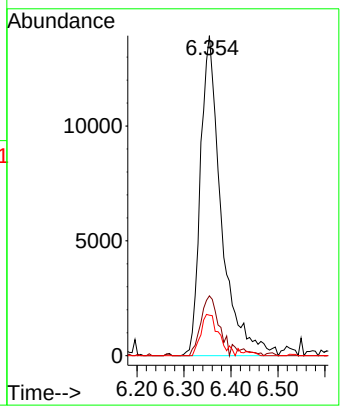




#43
Isopropyl Acetate
Concen: 5.240 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 43 Resp: 4294

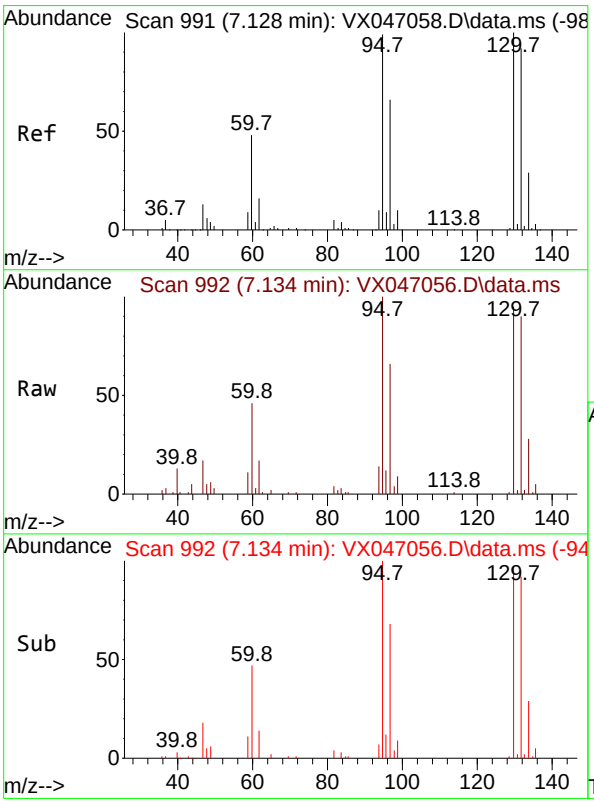
Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.1	22.7
87	11.1	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

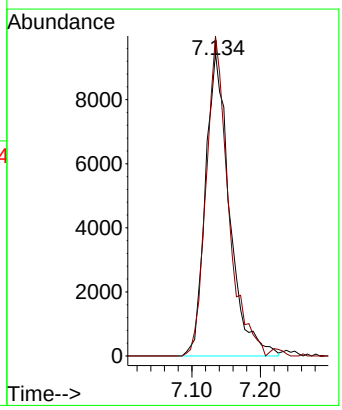
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

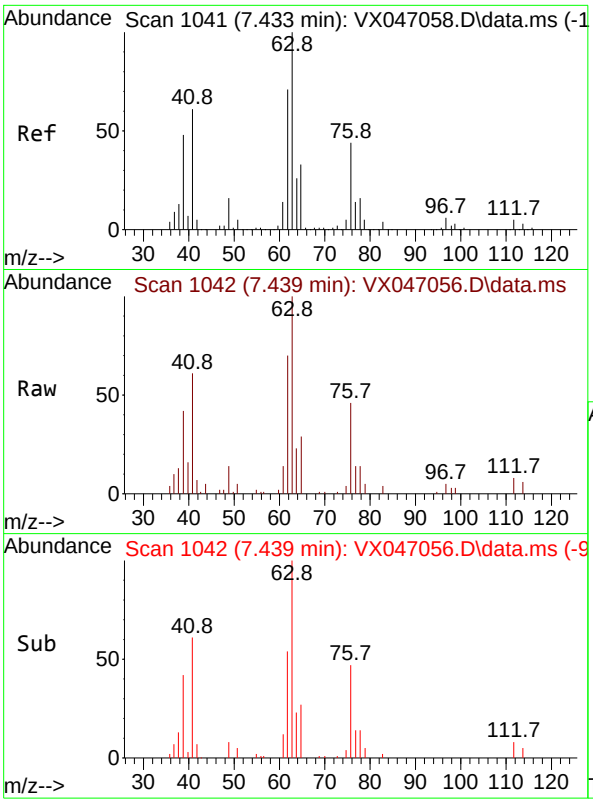


#44
Trichloroethene
Concen: 5.468 ug/l
RT: 7.134 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:130 Resp: 23153

Ion	Ratio	Lower	Upper
130	100		
95	117.9	0.0	198.6

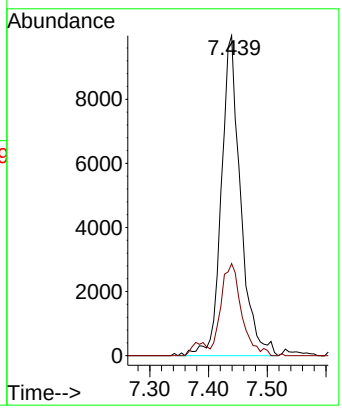




#45
1,2-Dichloropropane
Concen: 5.494 ug/l
RT: 7.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 63 Resp: 2272

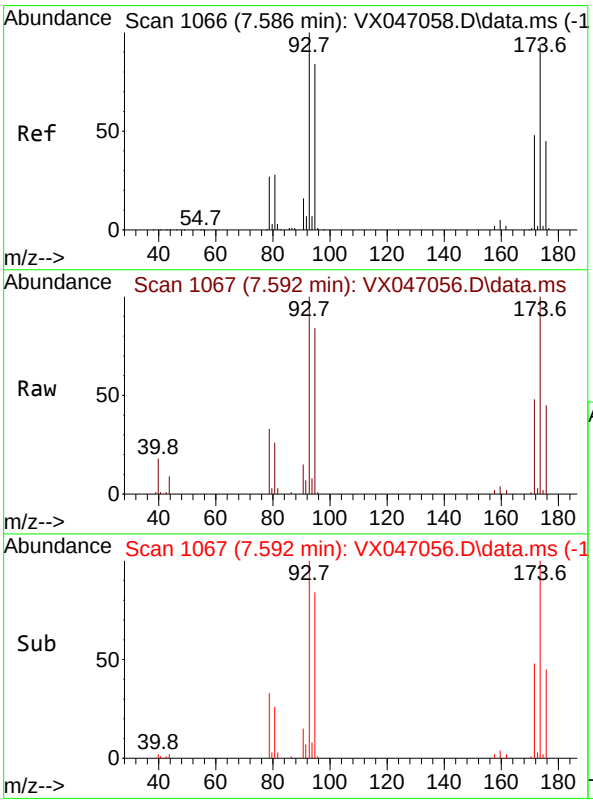
Ion	Ratio	Lower	Upper
63	100		
65	28.7	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

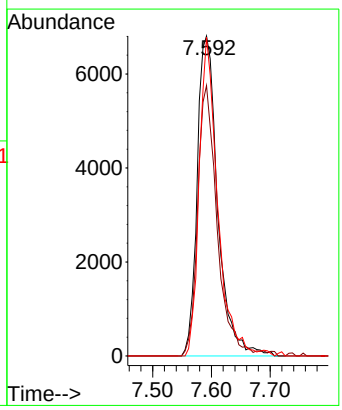
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

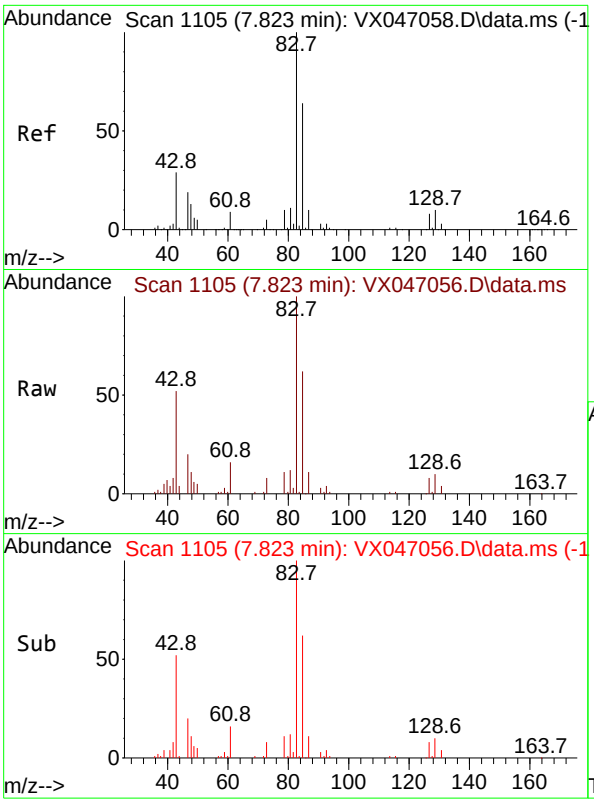


#46
Dibromomethane
Concen: 5.682 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 93 Resp: 16479

Ion	Ratio	Lower	Upper
93	100		
95	81.0	65.9	98.9
174	89.3	74.6	112.0

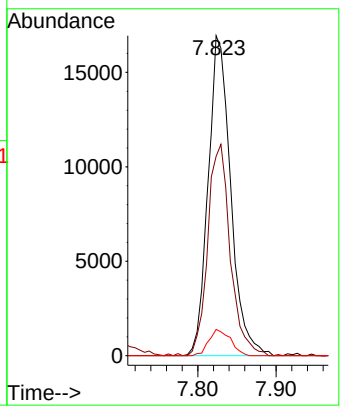




#47
Bromodichloromethane
Concen: 5.498 ug/l
RT: 7.823 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 83 Resp: 3393

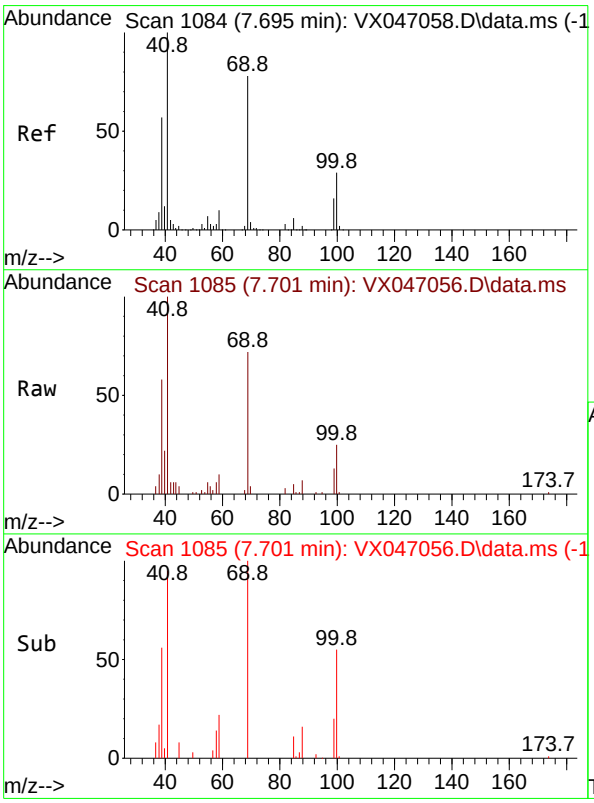
Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.9	74.9
127	8.1	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

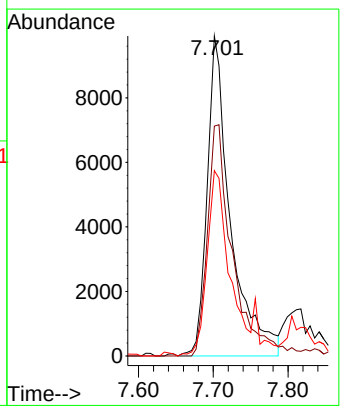
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

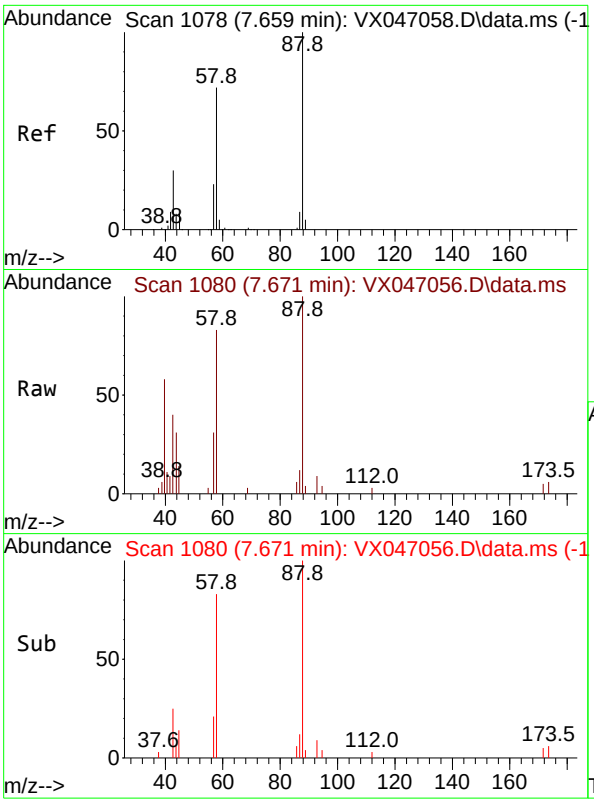


#48
Methyl methacrylate
Concen: 4.851 ug/l
RT: 7.701 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 41 Resp: 21660

Ion	Ratio	Lower	Upper
41	100		
69	77.3	62.3	93.5
39	54.8	44.8	67.2

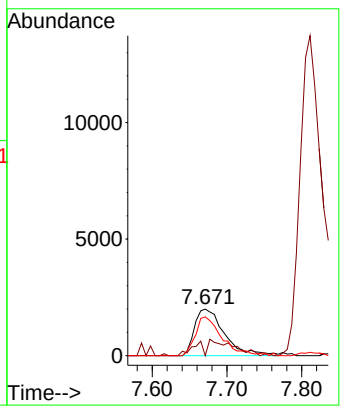




#49
1,4-Dioxane
Concen: 109.271 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 88 Resp: 554

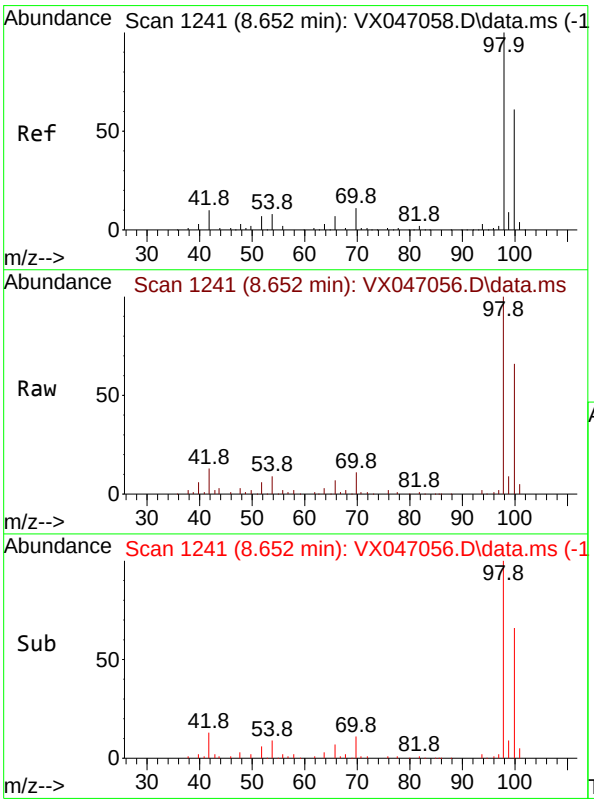
Ion	Ratio	Lower	Upper
88	100		
43	29.5	33.6	50.4
58	74.7	58.8	88.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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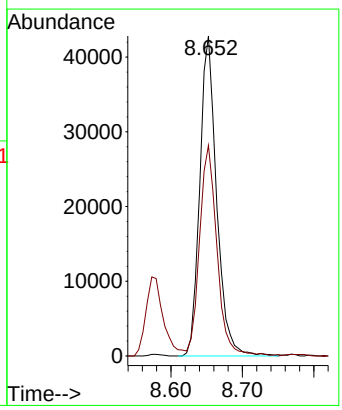
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

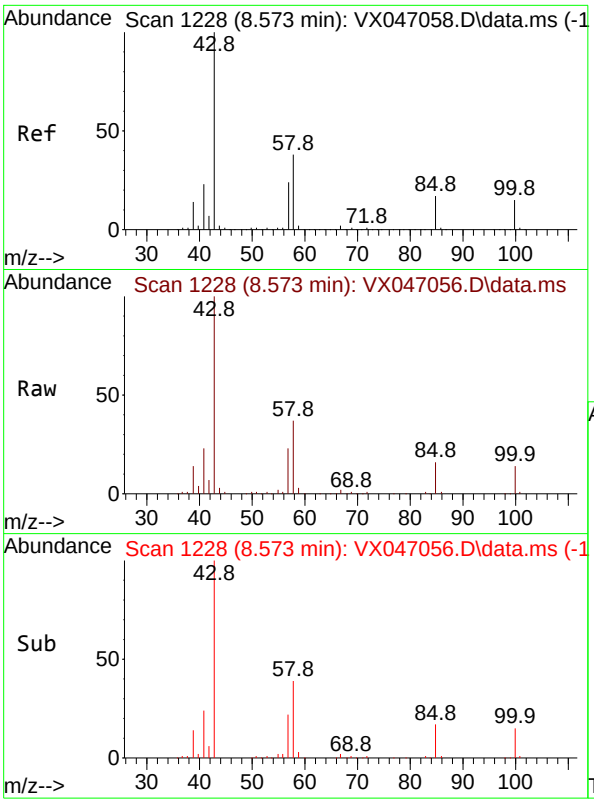


#50
Toluene-d8
Concen: 6.465 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 98 Resp: 70081

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.3	79.9

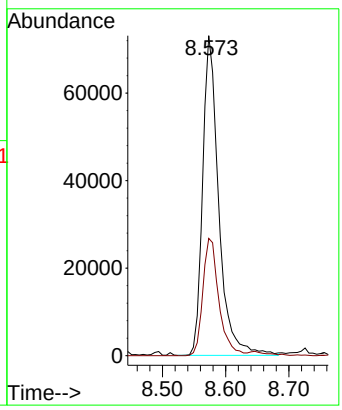




#51
4-Methyl-2-Pentanone
Concen: 26.565 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 43 Resp: 12941

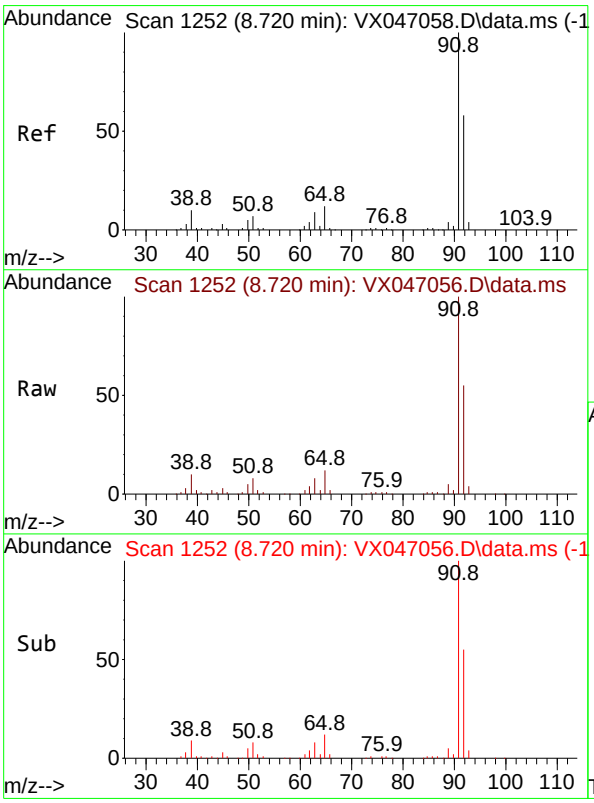
Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

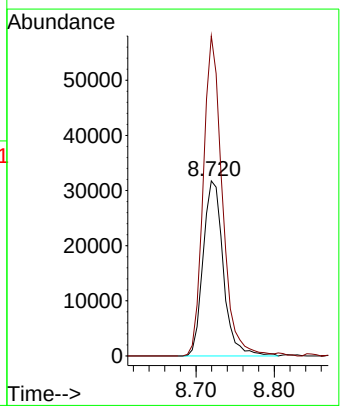
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

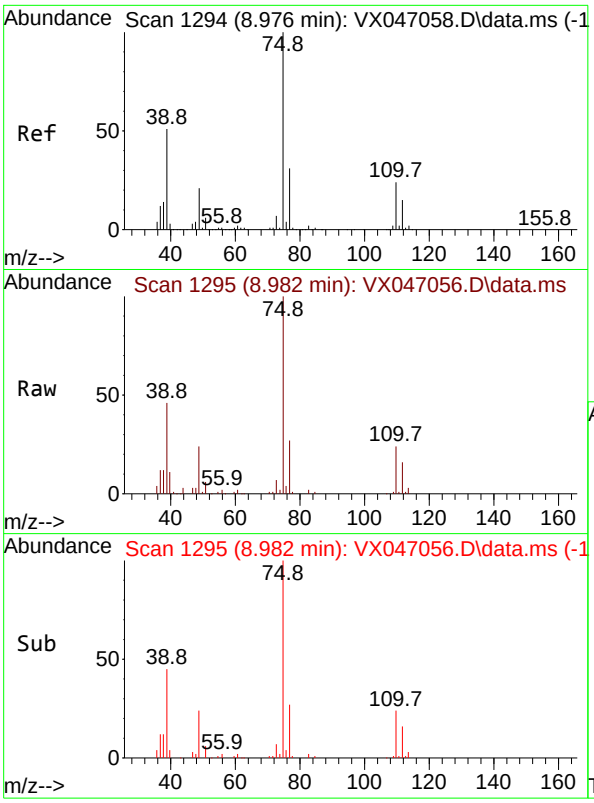


#52
Toluene
Concen: 5.592 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 92 Resp: 56775

Ion	Ratio	Lower	Upper
92	100		
91	171.9	137.9	206.9

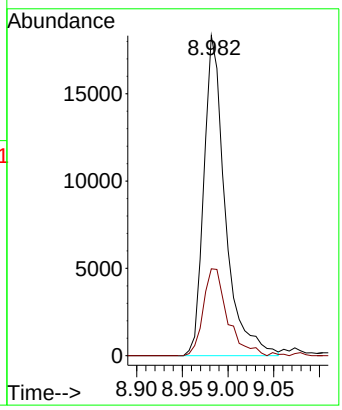




#53
t-1,3-Dichloropropene
Concen: 5.108 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 75 Resp: 2977

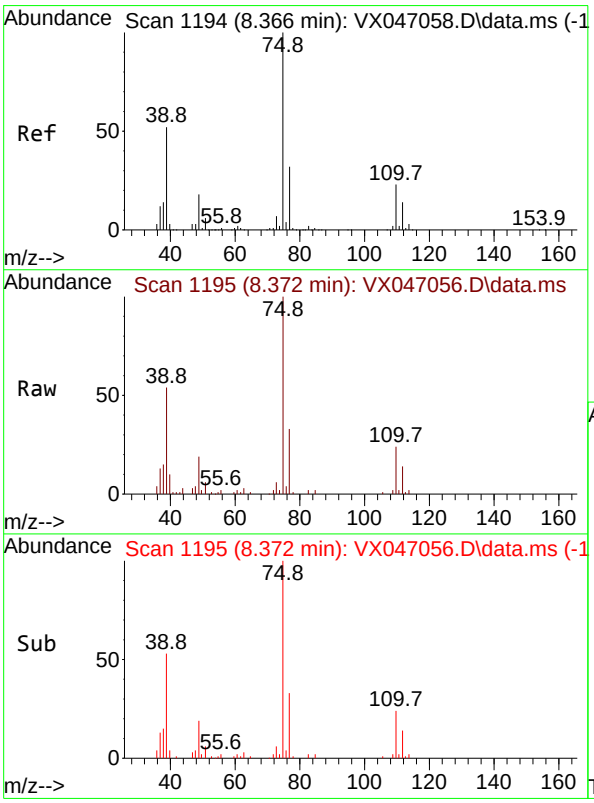
Ion	Ratio	Lower	Upper
75	100		
77	27.1	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations
APPROVED

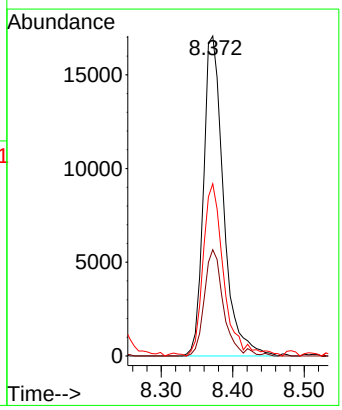
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

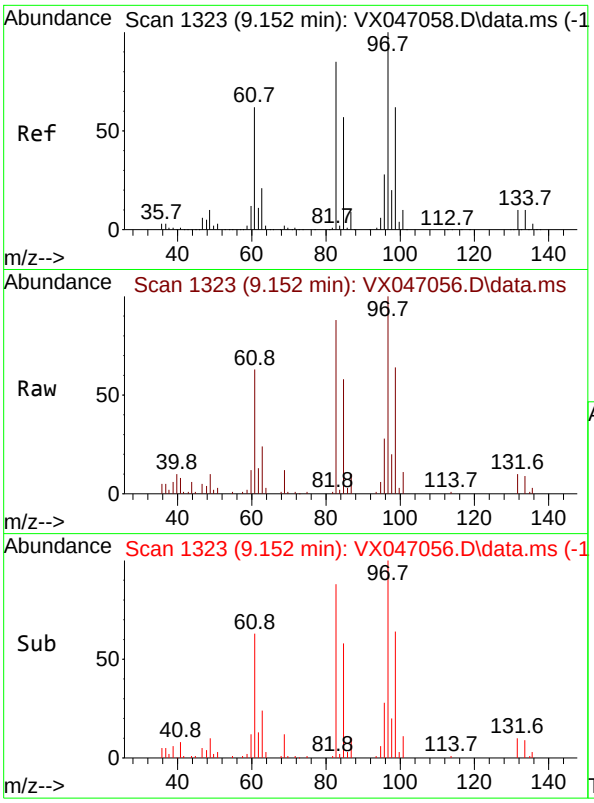


#54
cis-1,3-Dichloropropene
Concen: 5.193 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 75 Resp: 33127

Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.4	38.0
39	53.2	41.8	62.6

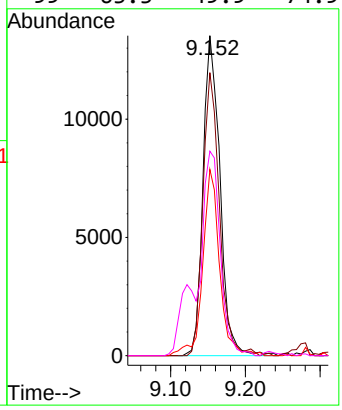




#55
1,1,2-Trichloroethane
Concen: 5.574 ug/l
RT: 9.152 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 97 Resp: 2122

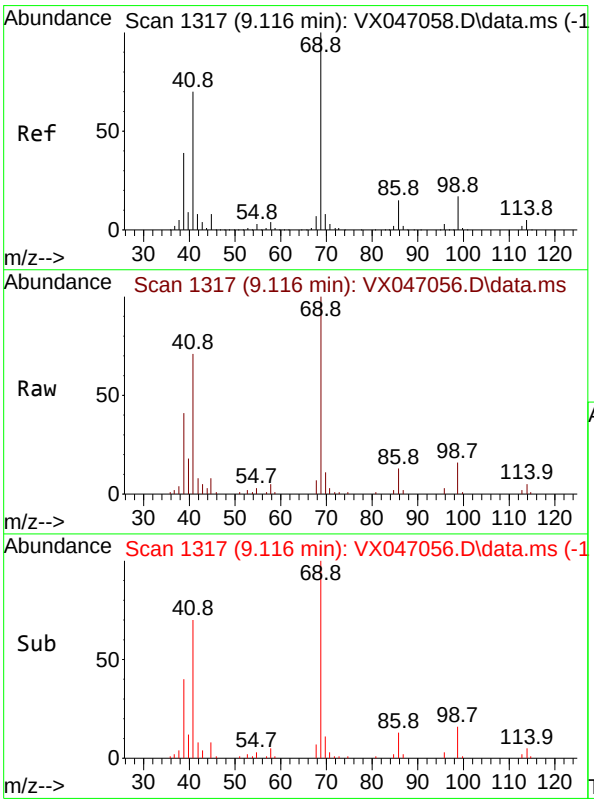
Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.0	102.0
85	58.2	45.2	67.8
99	63.3	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

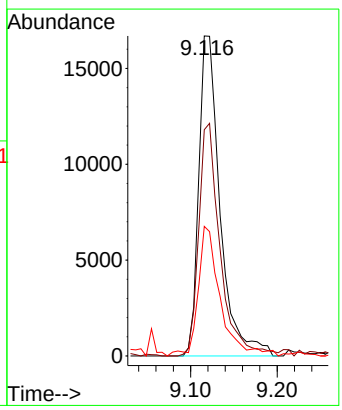
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

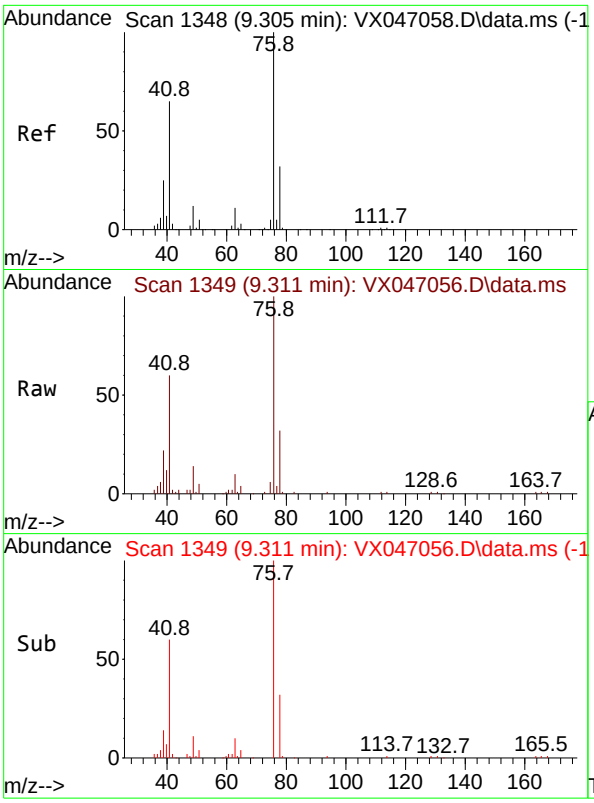


#56
Ethyl methacrylate
Concen: 5.072 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 69 Resp: 28587

Ion	Ratio	Lower	Upper
69	100		
41	72.7	56.1	84.1
39	42.1	31.1	46.7





#57
1,3-Dichloropropane
Concen: 5.629 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

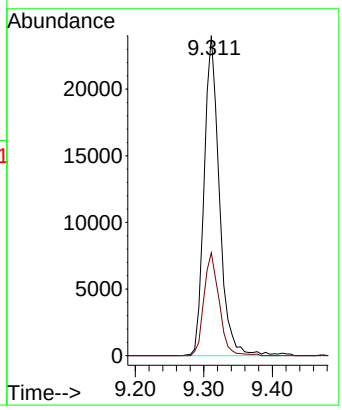
Tgt Ion: 76 Resp: 3725

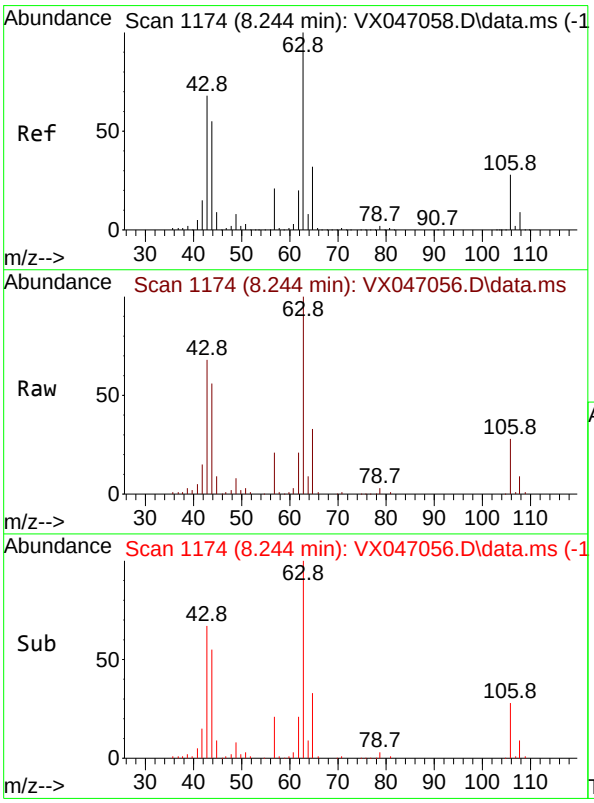
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

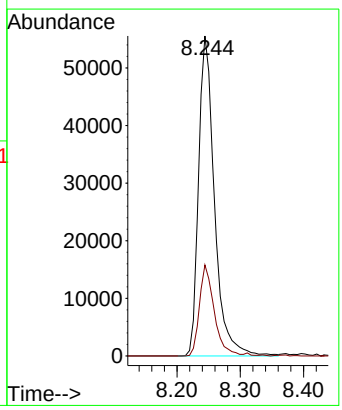


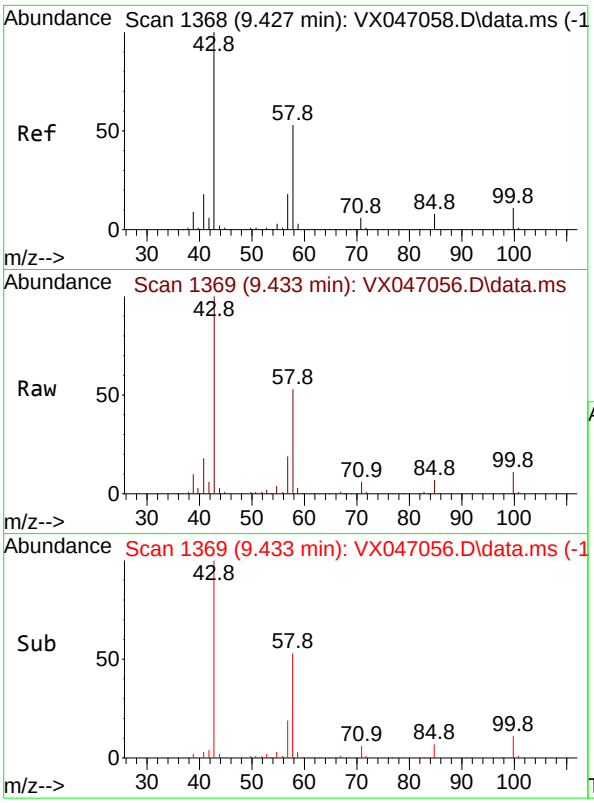


#58
2-Chloroethyl Vinyl ether
Concen: 31.066 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 63 Resp: 97443

Ion	Ratio	Lower	Upper
63	100		
106	26.7	22.2	33.4





#59
2-Hexanone
Concen: 26.276 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

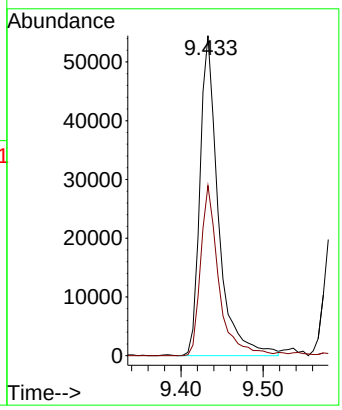
Tgt Ion: 43 Resp: 8457

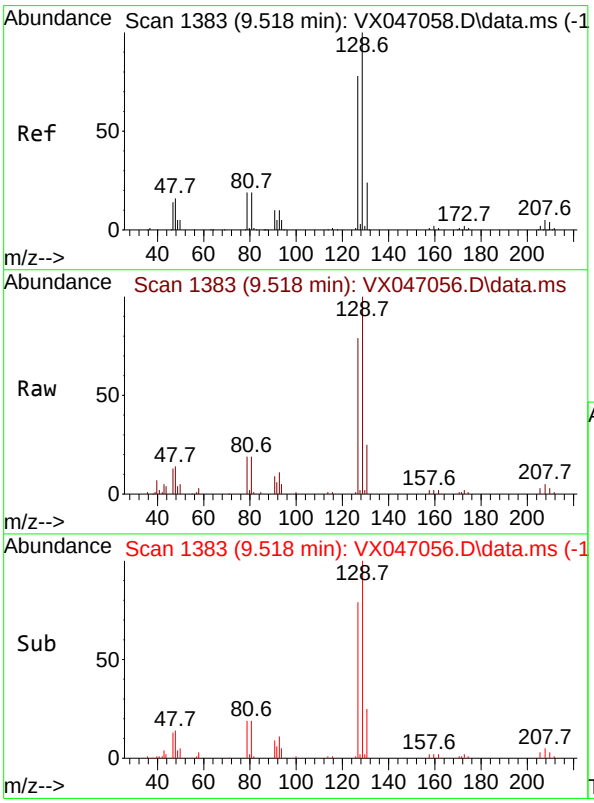
Ion	Ratio	Lower	Upper
43	100		
58	52.3	26.5	79.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

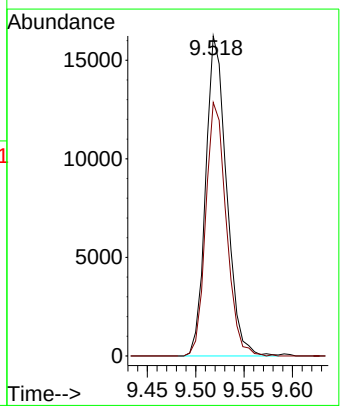


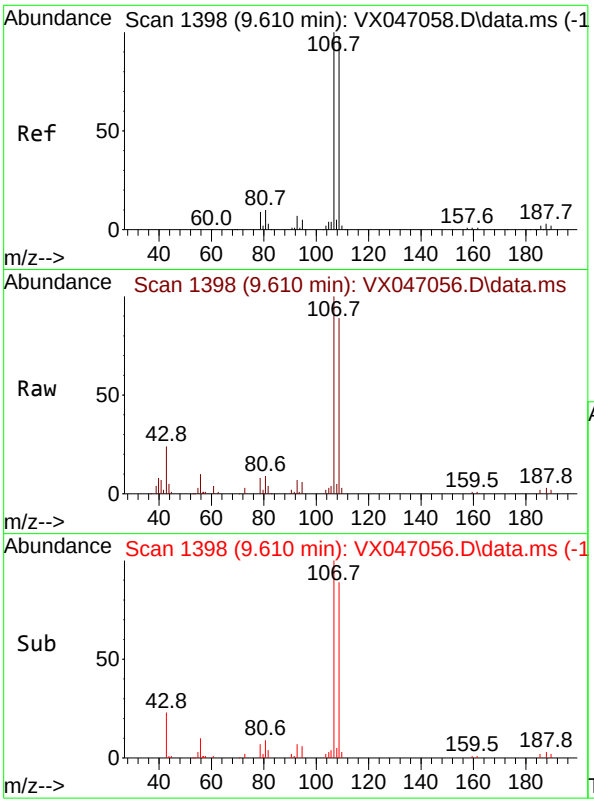


#60
Dibromochloromethane
Concen: 5.454 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:129 Resp: 24354

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8

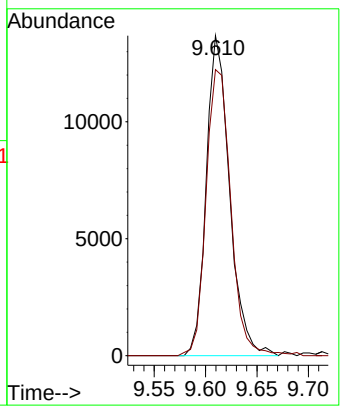




#61
1,2-Dibromoethane
Concen: 5.420 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:107 Resp: 2157

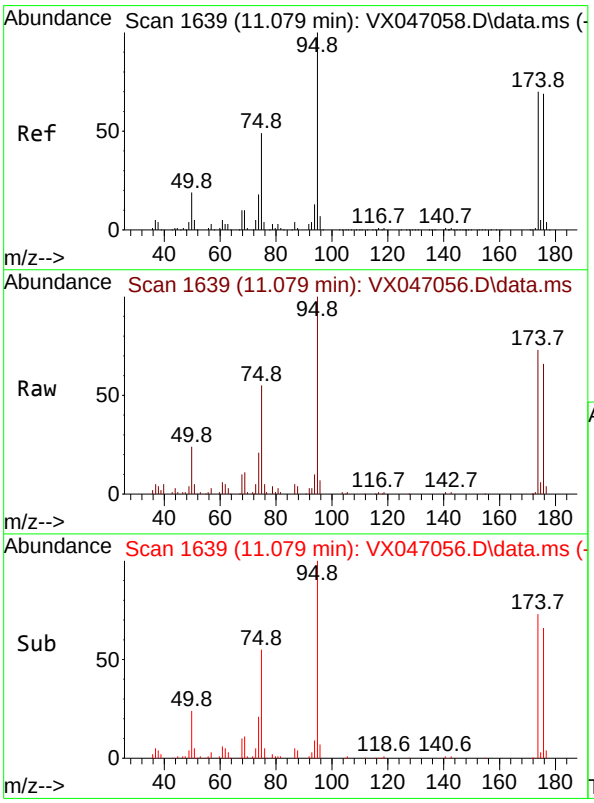
Ion	Ratio	Lower	Upper
107	100		
109	95.2	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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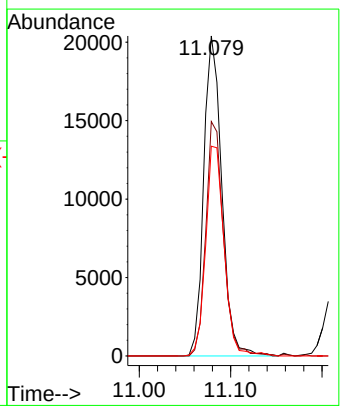
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

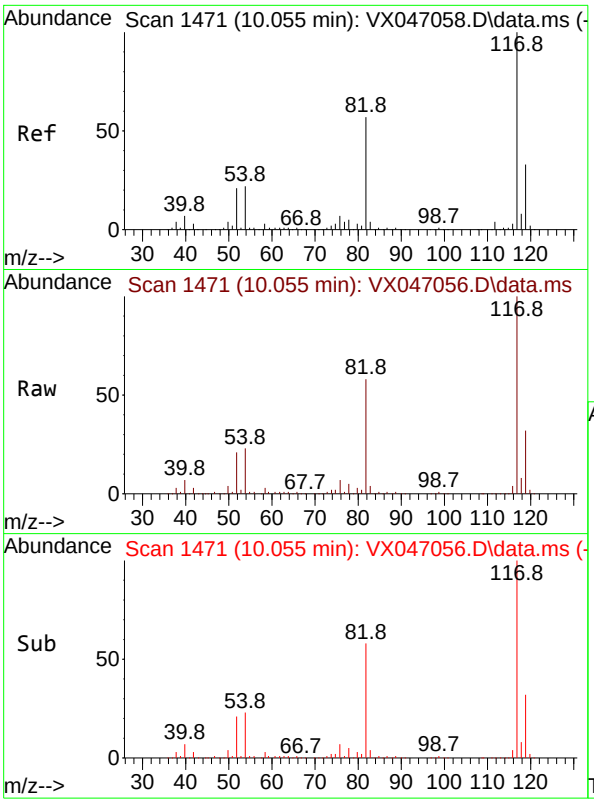


#62
4-Bromofluorobenzene
Concen: 5.968 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 95 Resp: 27880

Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	144.6
176	67.1	0.0	139.6

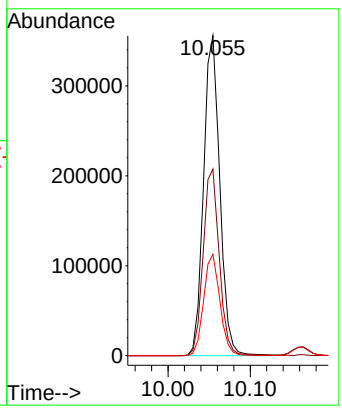




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:117 Resp: 48868

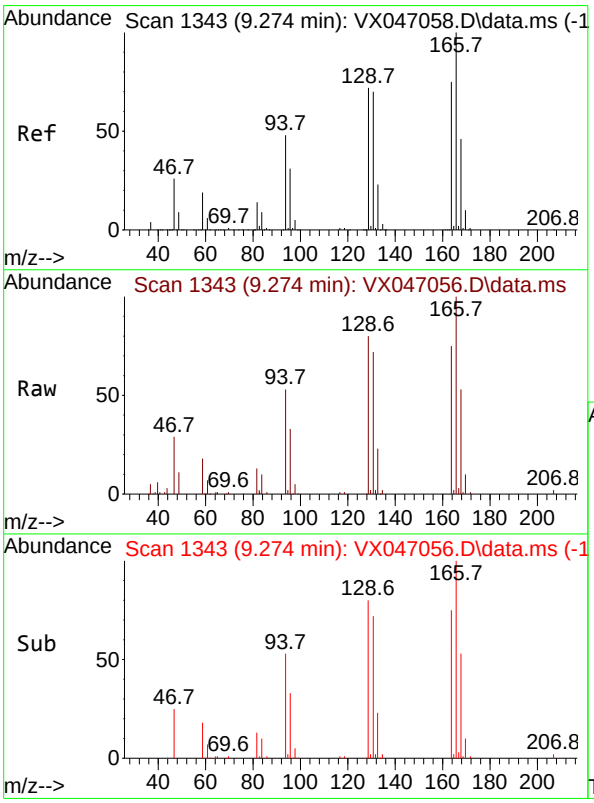
Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.4	68.2
119	31.7	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

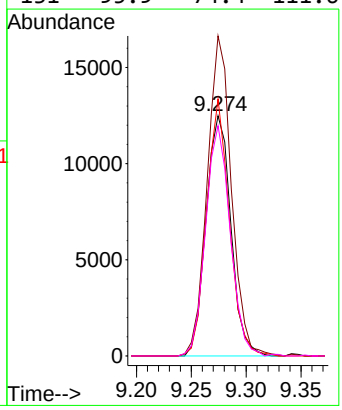
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

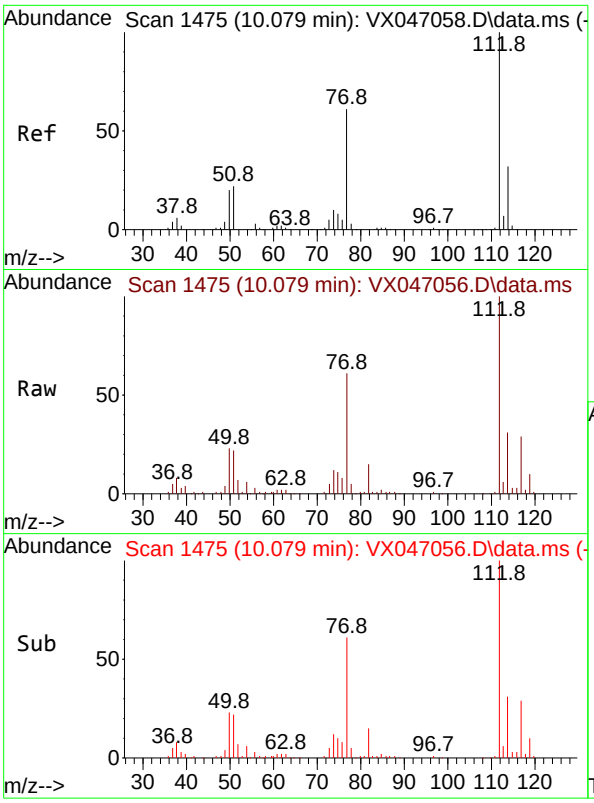


#64
Tetrachloroethene
Concen: 5.592 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:164 Resp: 19701

Ion	Ratio	Lower	Upper
164	100		
166	133.2	106.2	159.4
129	106.9	76.6	114.8
131	95.9	74.4	111.6

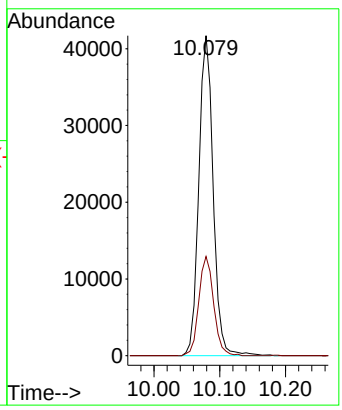




#65
Chlorobenzene
Concen: 5.526 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:112 Resp: 6326

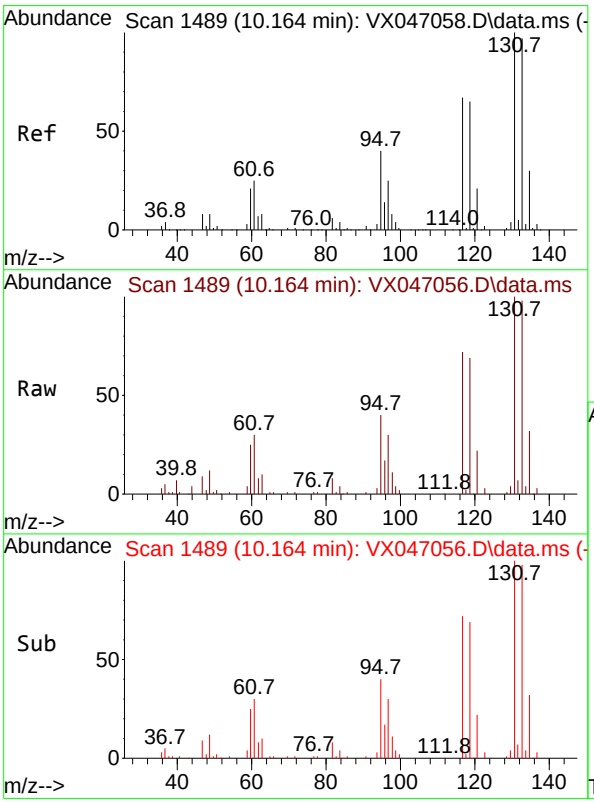
Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

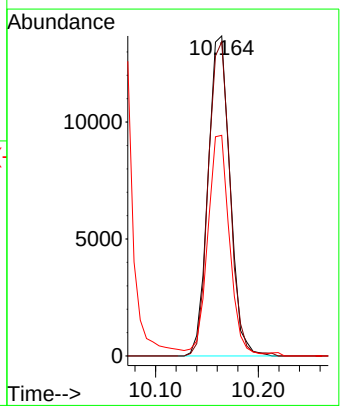
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

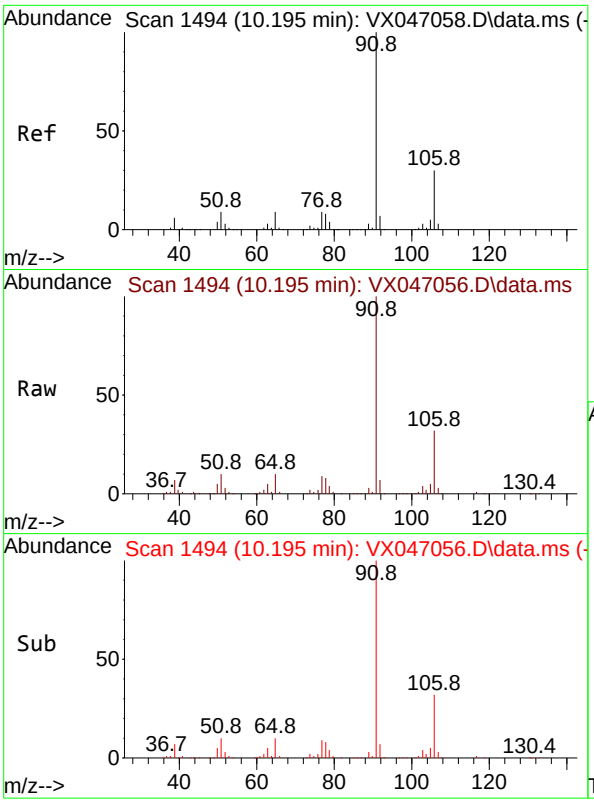


#66
1,1,1,2-Tetrachloroethane
Concen: 5.267 ug/l
RT: 10.164 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:131 Resp: 20300

Ion	Ratio	Lower	Upper
131	100		
133	97.1	48.4	145.3
119	66.9	32.4	97.0

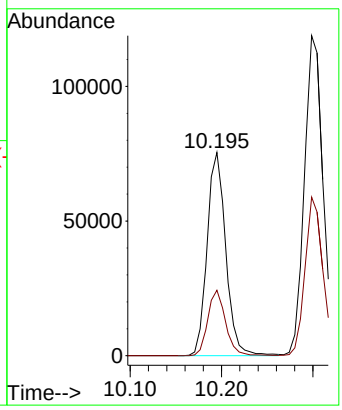




#67
Ethyl Benzene
Concen: 5.345 ug/l
RT: 10.195 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 91 Resp: 10698

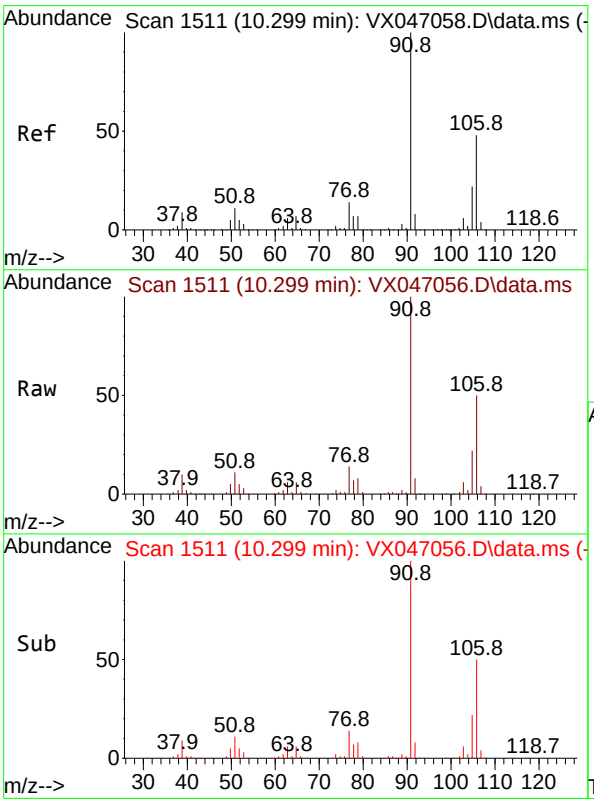
Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

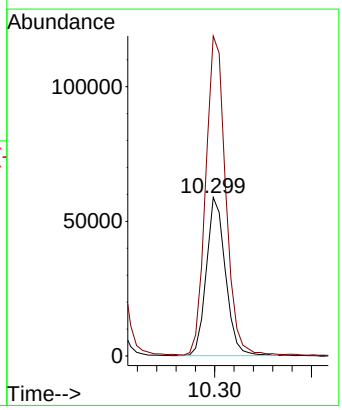
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

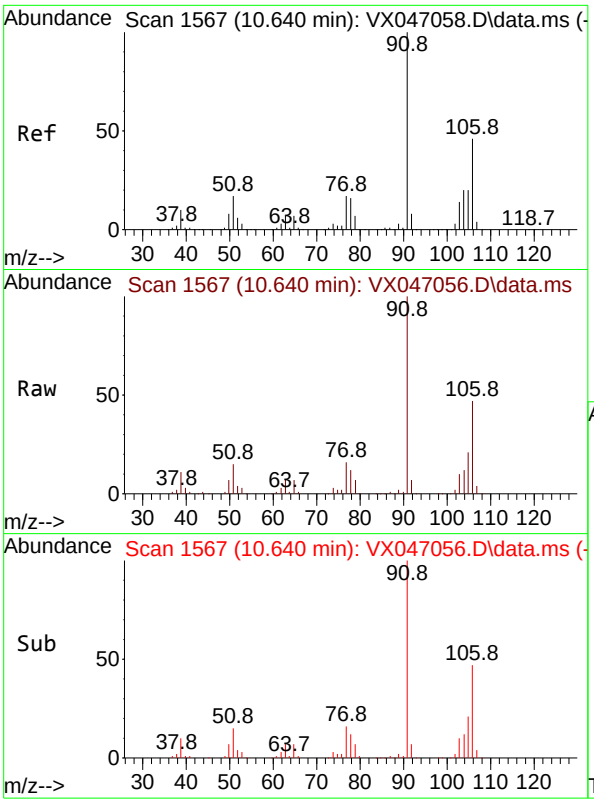


#68
m/p-Xylenes
Concen: 10.791 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:106 Resp: 80835

Ion	Ratio	Lower	Upper
106	100		
91	211.3	167.4	251.0

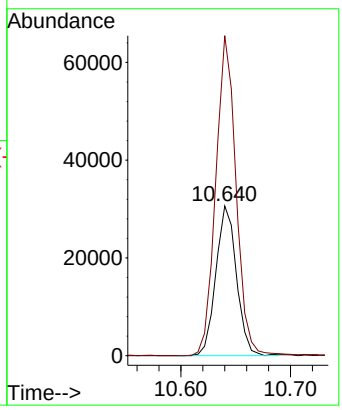




#69
o-Xylene
Concen: 5.623 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:106 Resp: 4007

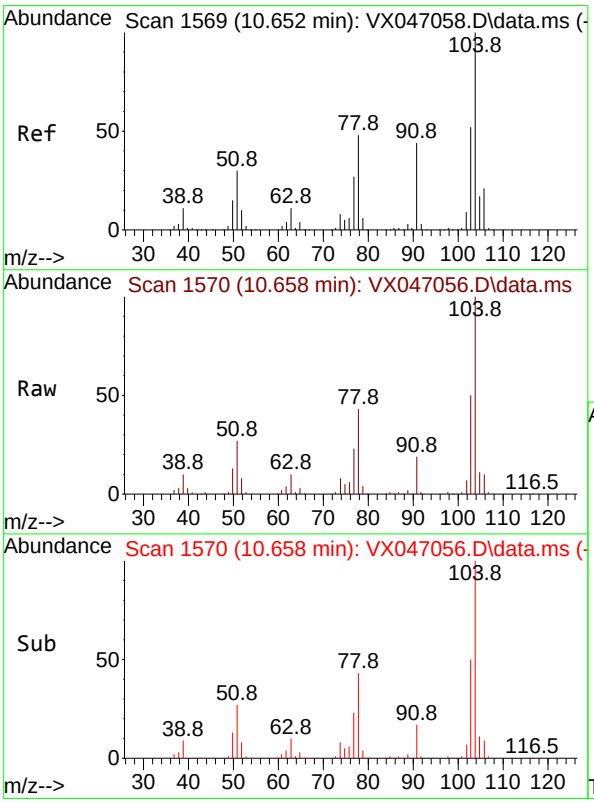
Ion	Ratio	Lower	Upper
106	100		
91	211.4	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

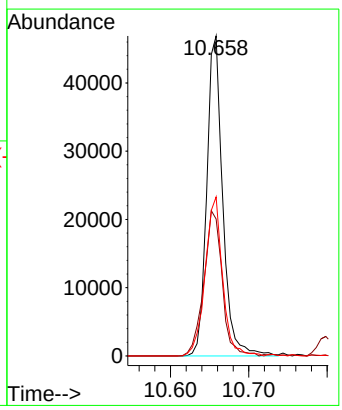
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

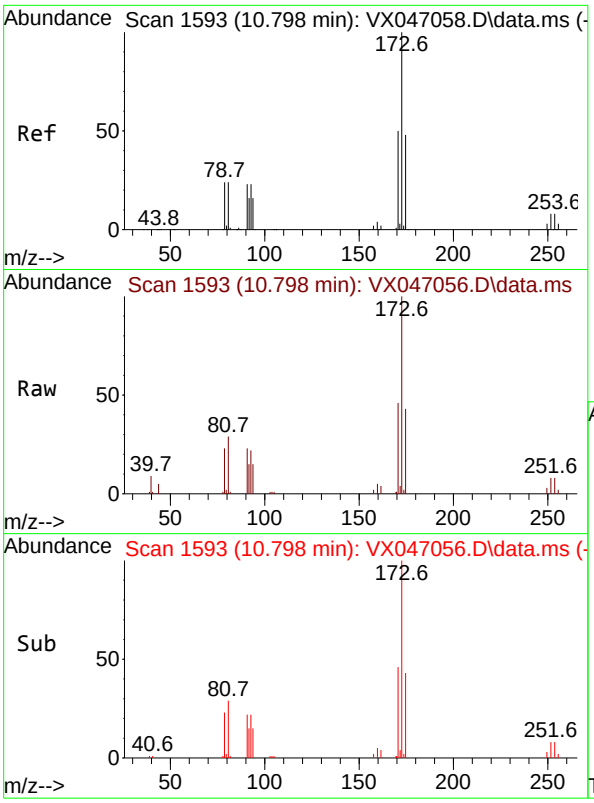


#70
Styrene
Concen: 5.424 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:104 Resp: 66283

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.0	63.0
103	54.3	43.8	65.6

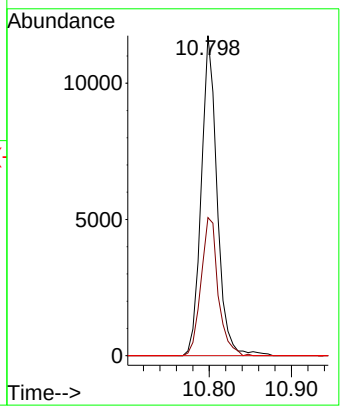




#71
Bromoform
Concen: 5.384 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:173 Resp: 1576

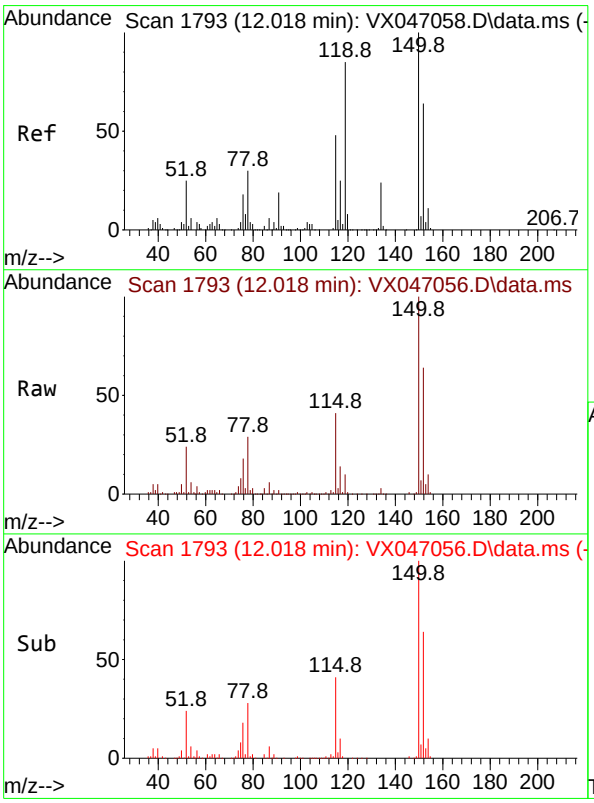
Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.2	72.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

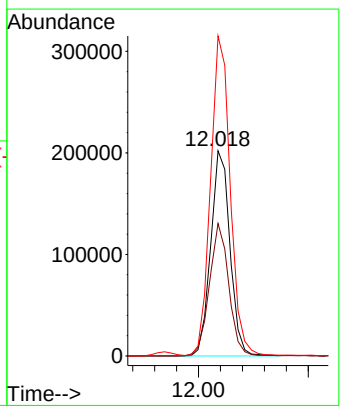
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

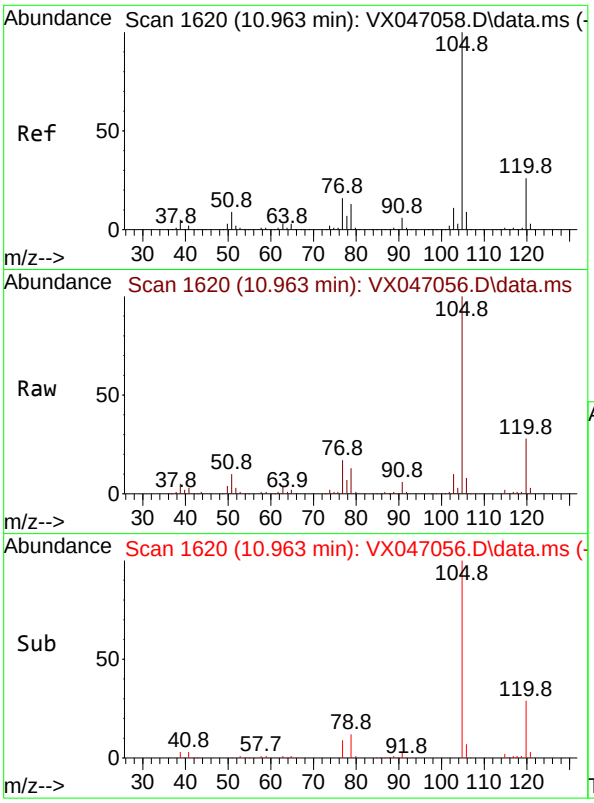


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:152 Resp: 246301

Ion	Ratio	Lower	Upper
152	100		
115	65.0	45.6	136.7
150	159.5	0.0	354.6

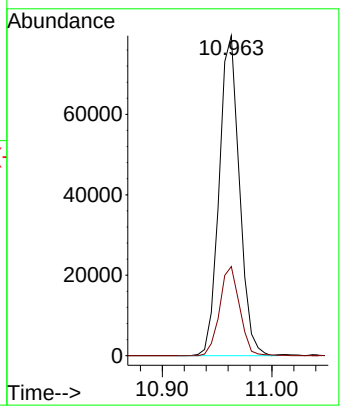




#73
Isopropylbenzene
Concen: 5.257 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:105 Resp: 10215

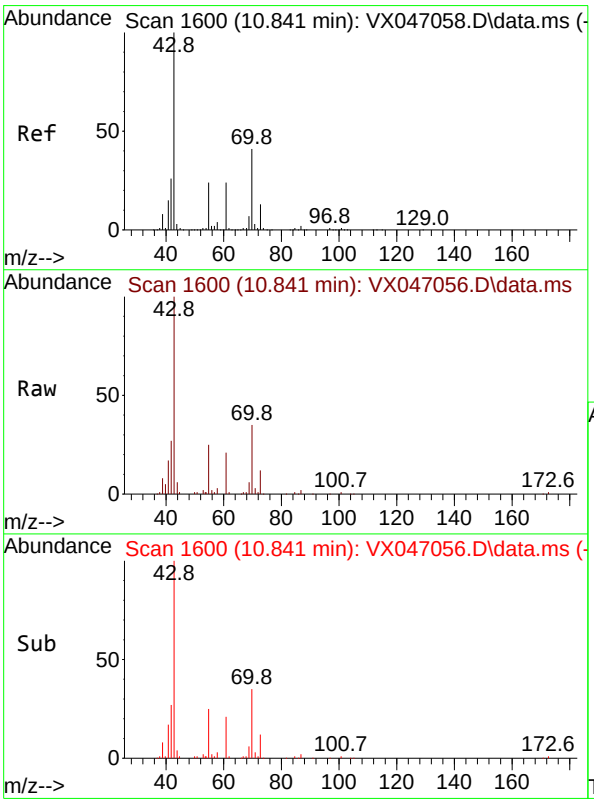
Ion	Ratio	Lower	Upper
105	100		
120	27.6	12.9	38.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

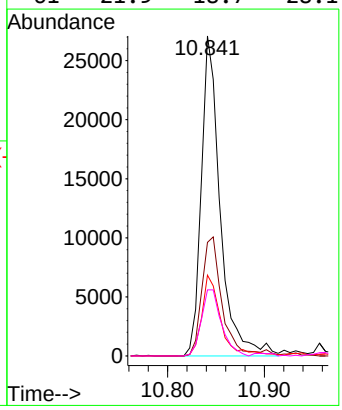
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

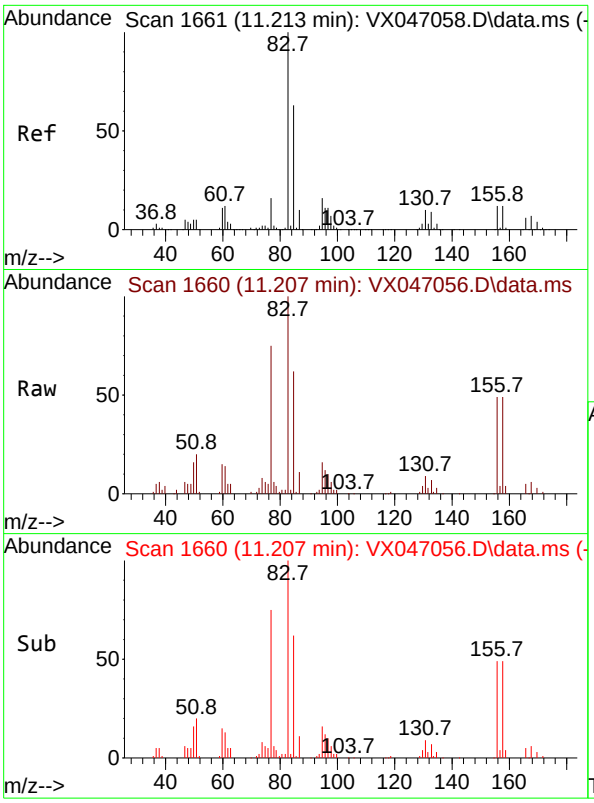


#74
N-amyl acetate
Concen: 4.769 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 43 Resp: 36965

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.3	48.5
55	25.3	18.9	28.3
61	21.9	18.7	28.1

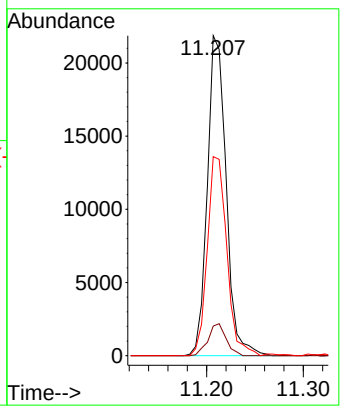




#75
1,1,2,2-Tetrachloroethane
Concen: 5.338 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 83 Resp: 2962

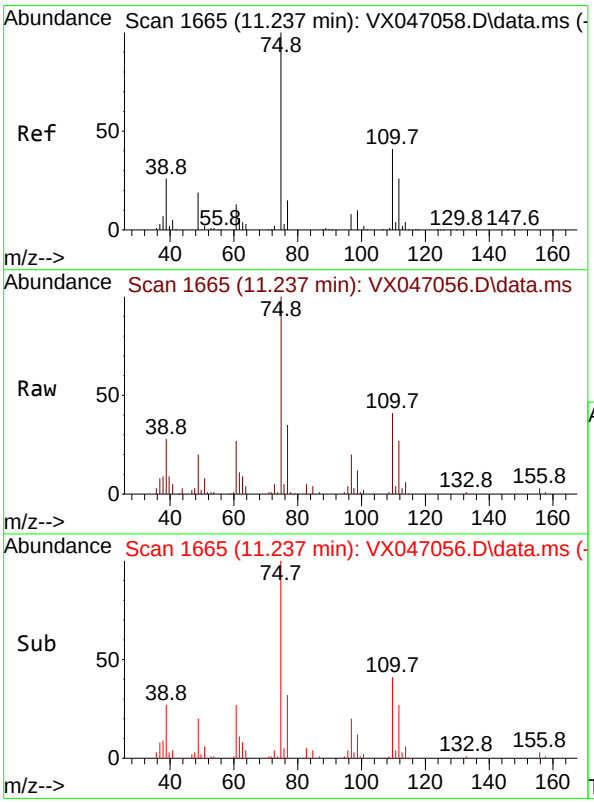
Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.5	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

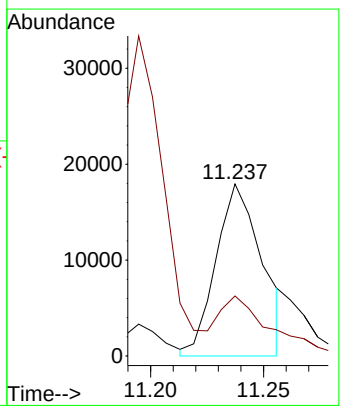
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

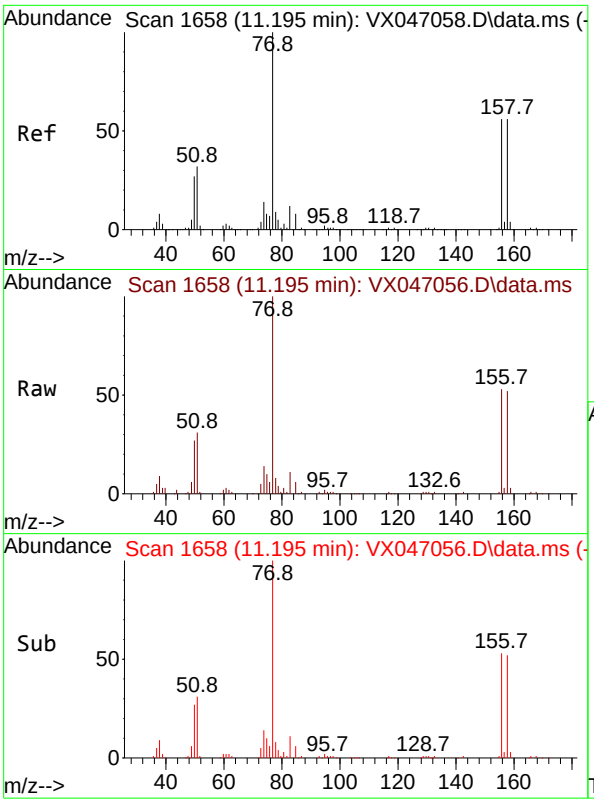


#76
1,2,3-Trichloropropane
Concen: 5.546 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 75 Resp: 25285

Ion	Ratio	Lower	Upper
75	100		
77	38.7	21.6	65.0

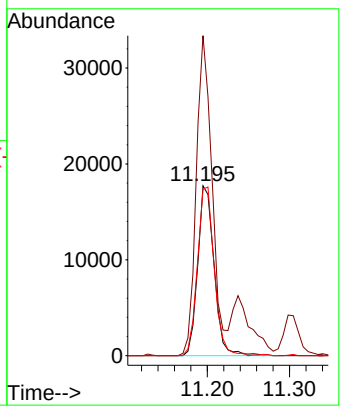




#77
Bromobenzene
Concen: 5.267 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:156 Resp: 2454

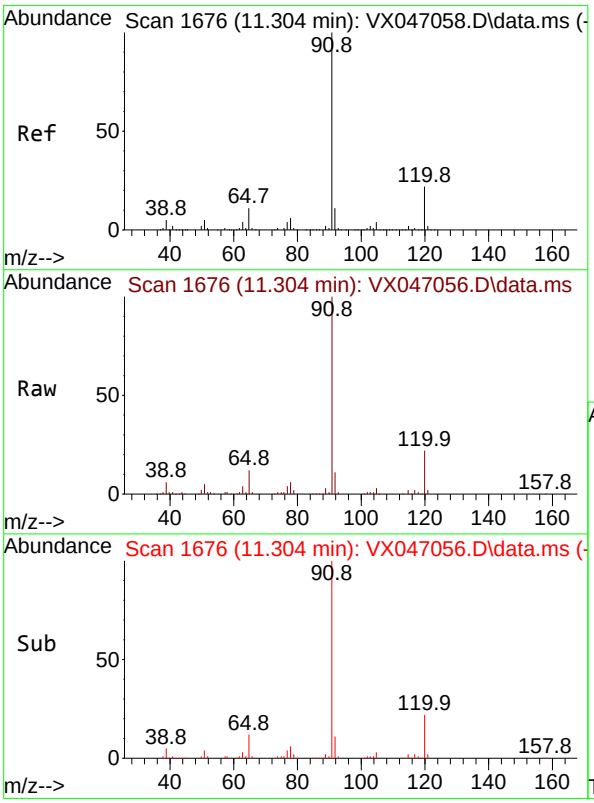
Ion	Ratio	Lower	Upper
156	100		
77	182.6	87.3	261.9
158	101.5	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

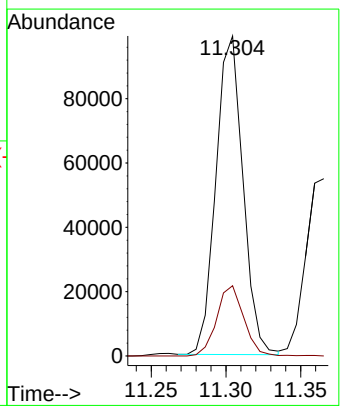
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

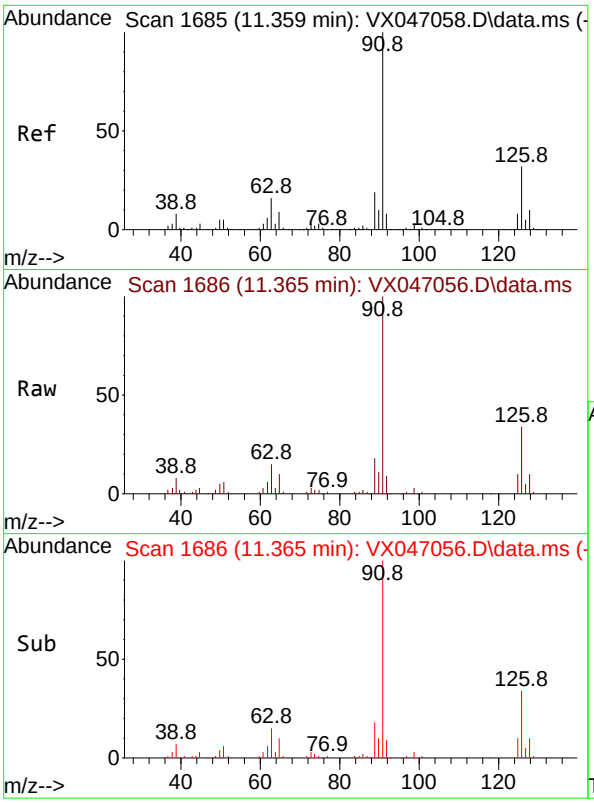


#78
n-propylbenzene
Concen: 5.368 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 91 Resp: 124648

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0





#79
2-Chlorotoluene
Concen: 5.387 ug/l
RT: 11.365 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

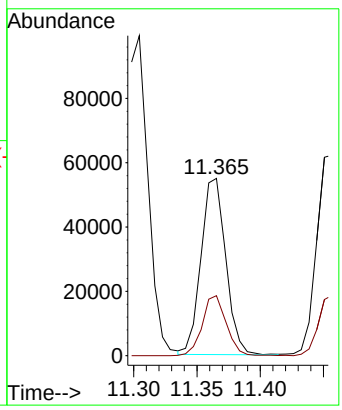
Tgt Ion: 91 Resp: 7478

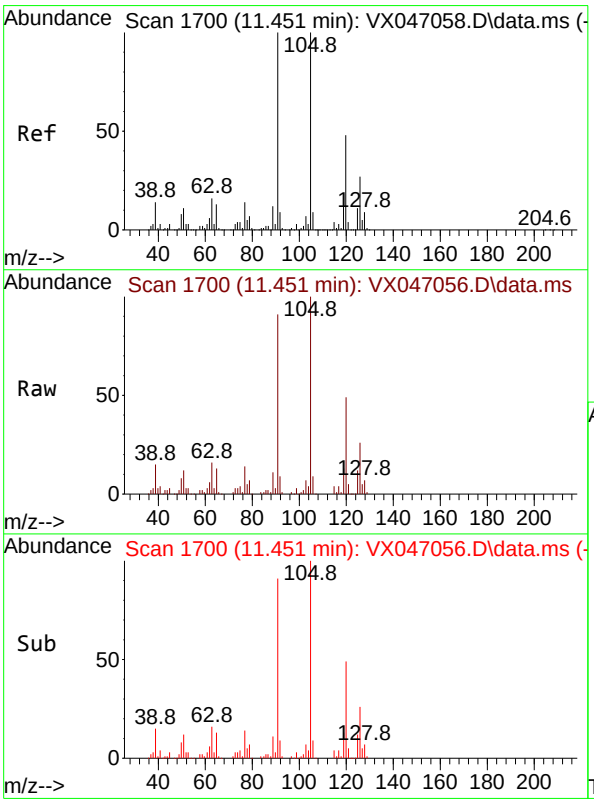
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

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

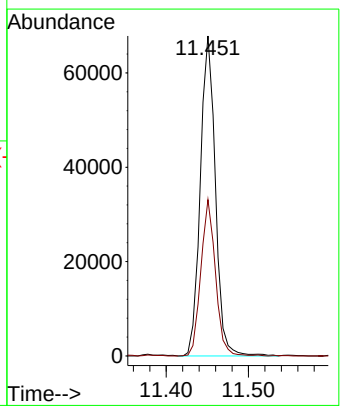


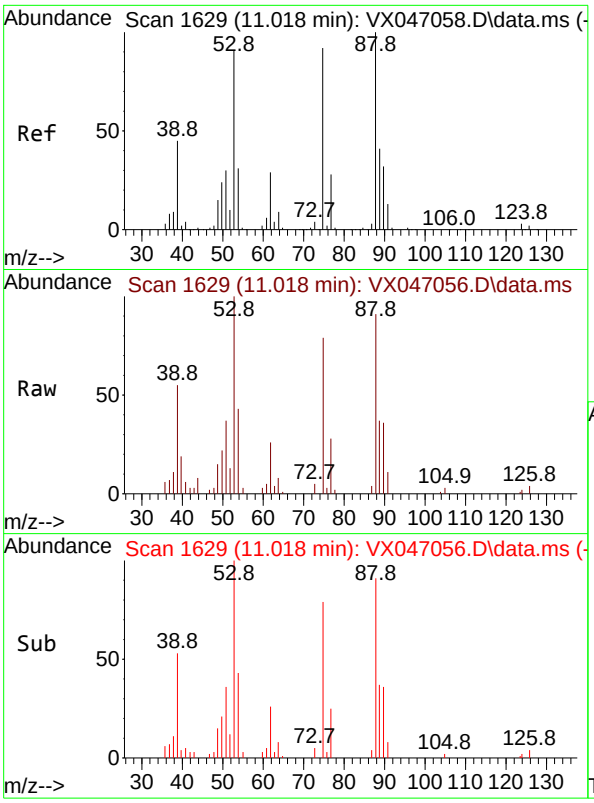


#80
1,3,5-Trimethylbenzene
Concen: 5.383 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:105 Resp: 86414

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5

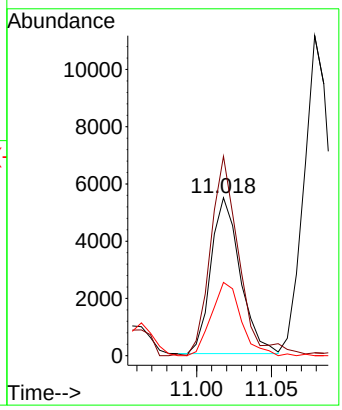




#81
trans-1,4-Dichloro-2-butene
Concen: 4.186 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 75 Resp: 740

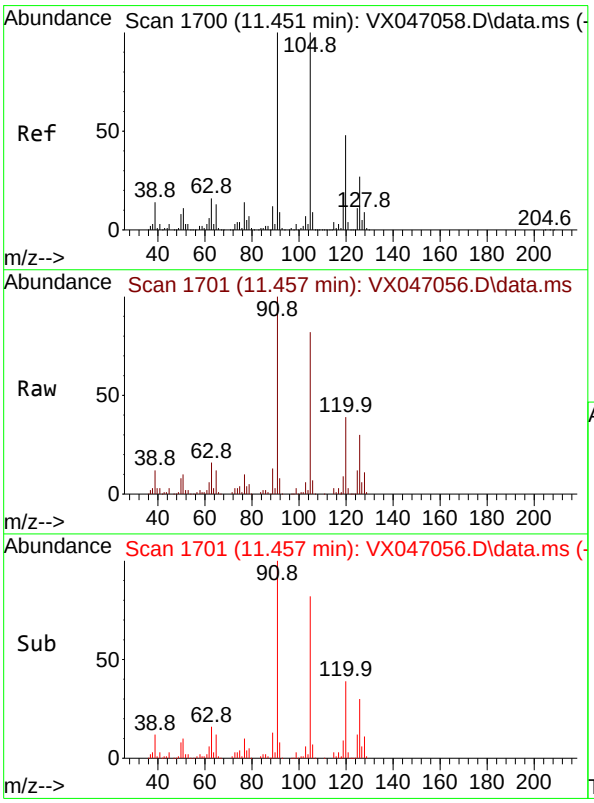
Ion	Ratio	Lower	Upper
75	100		
53	124.4	84.2	126.4
89	48.2	36.0	54.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

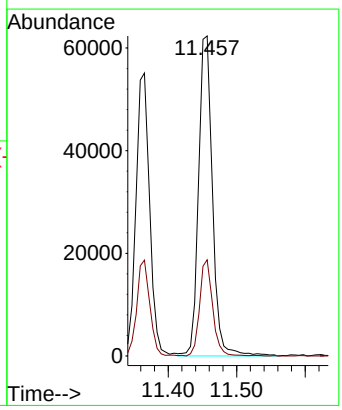
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

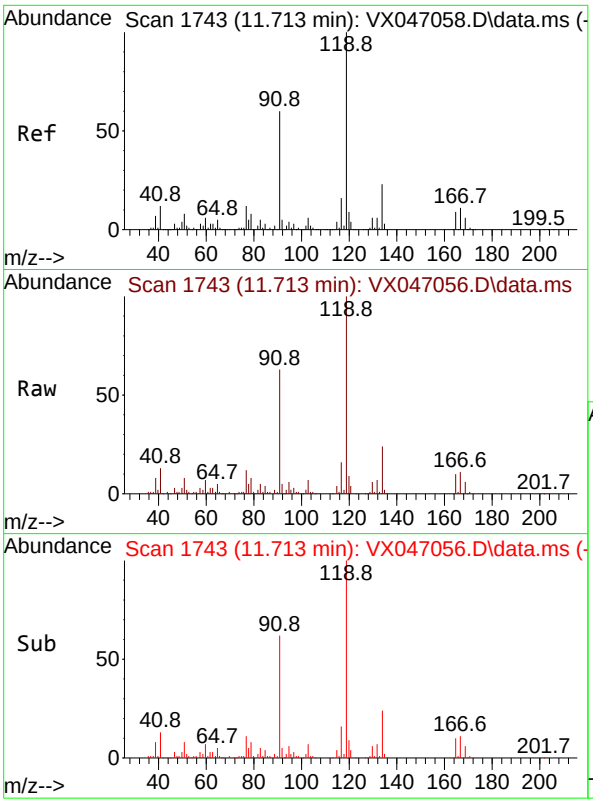


#82
4-Chlorotoluene
Concen: 5.450 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 91 Resp: 88304

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.3

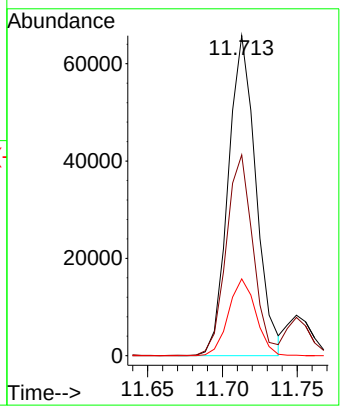




#83
tert-Butylbenzene
Concen: 5.248 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:119 Resp: 8456

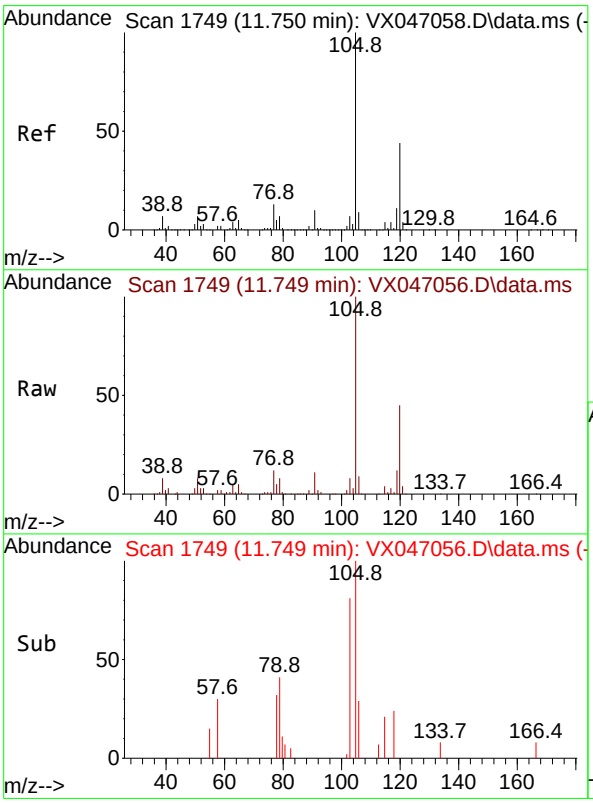
Ion	Ratio	Lower	Upper
119	100		
91	61.4	29.6	88.8
134	23.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

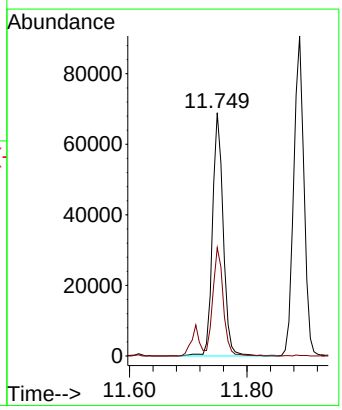
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

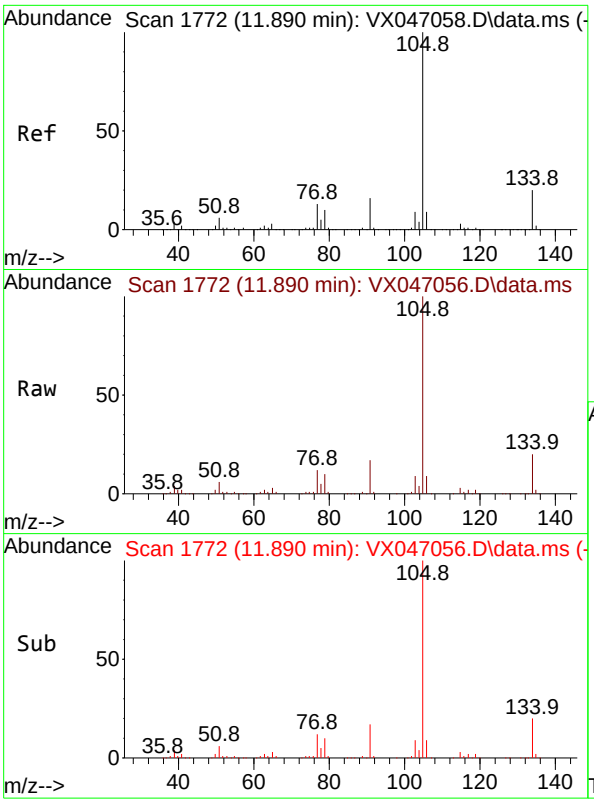


#84
1,2,4-Trimethylbenzene
Concen: 5.451 ug/l
RT: 11.749 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:105 Resp: 87289

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.0	66.0

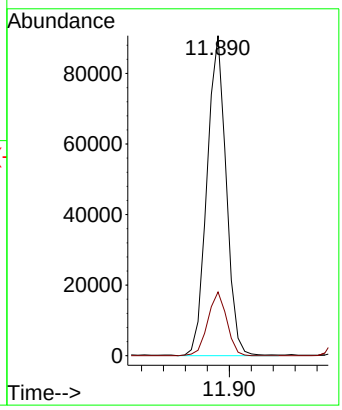




#85
sec-Butylbenzene
Concen: 5.477 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:105 Resp: 11025

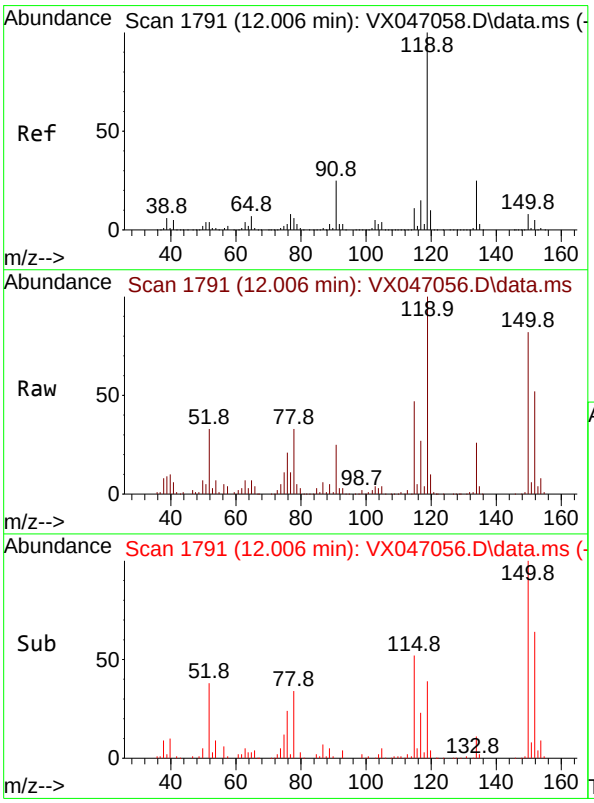
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

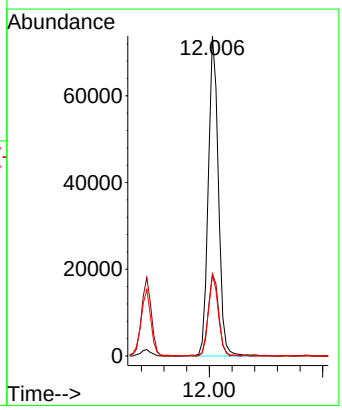
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

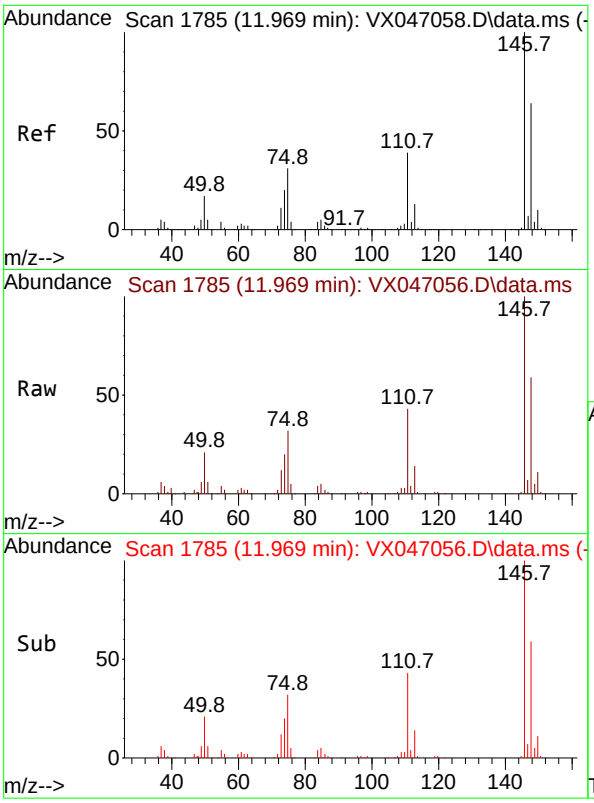


#86
p-Isopropyltoluene
Concen: 5.457 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:119 Resp: 91112

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.8	38.4
91	25.1	12.4	37.4

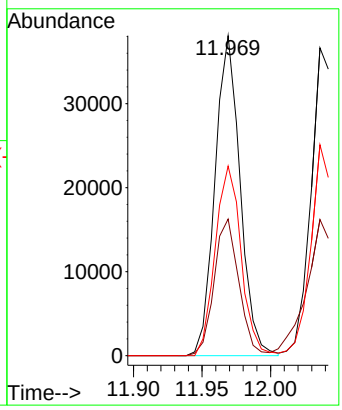




#87
1,3-Dichlorobenzene
Concen: 5.473 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:146 Resp: 4846

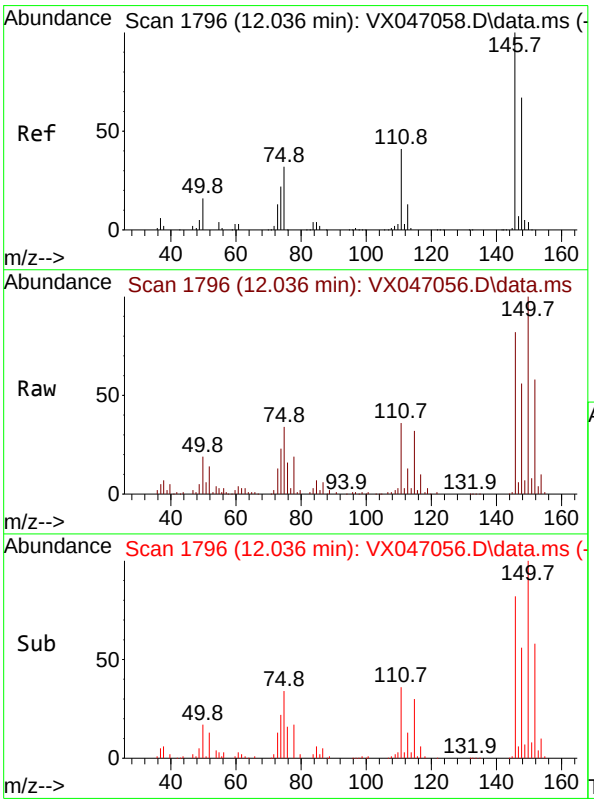
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.0	63.0
148	61.3	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

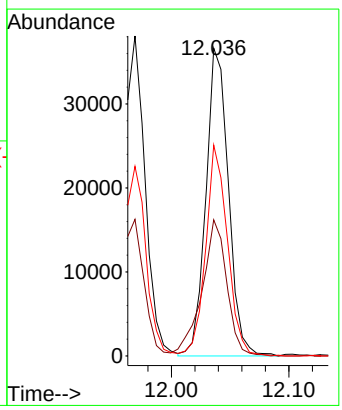
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

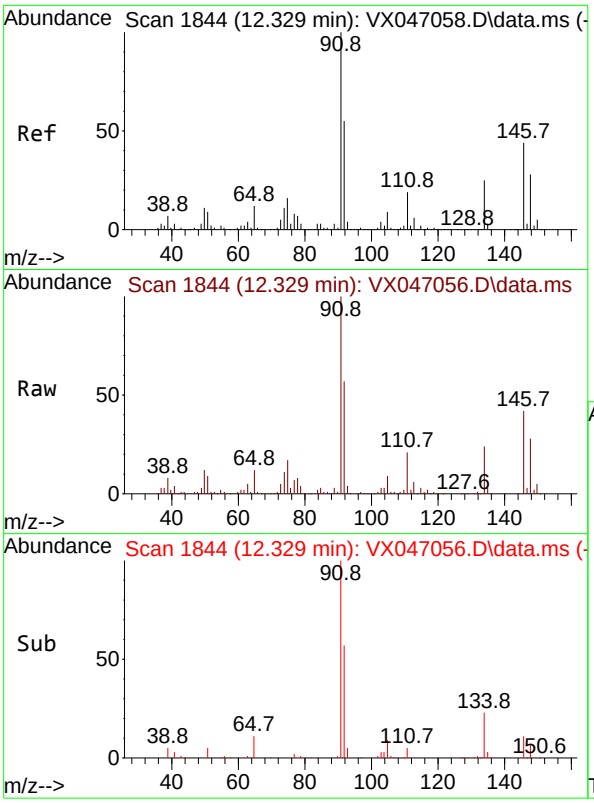


#88
1,4-Dichlorobenzene
Concen: 5.441 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:146 Resp: 48817

Ion	Ratio	Lower	Upper
146	100		
111	49.0	20.6	61.9
148	66.3	33.0	98.9

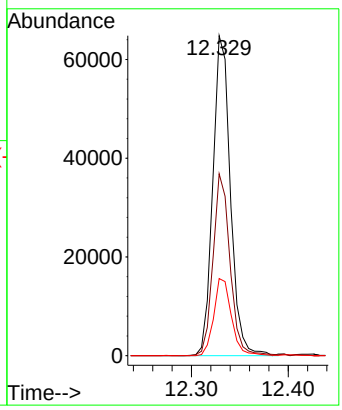




#89
n-Butylbenzene
Concen: 5.219 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 91 Resp: 8171

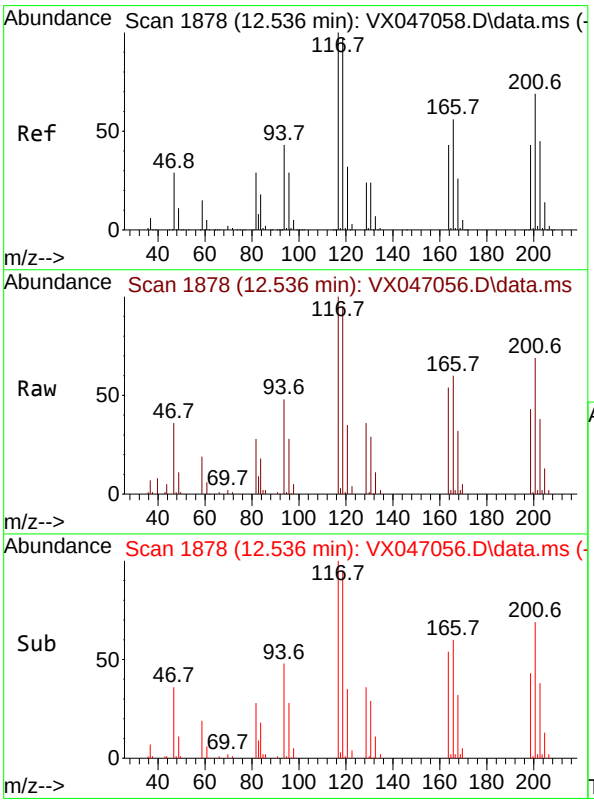
Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.5	82.5
134	24.3	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

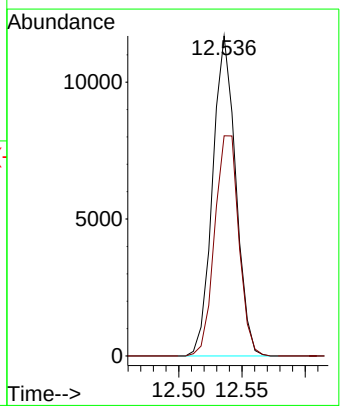
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

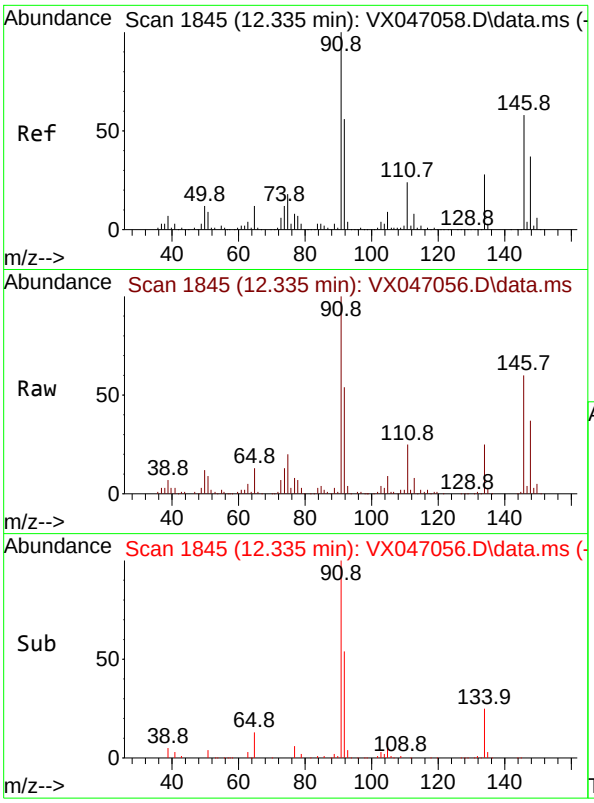


#90
Hexachloroethane
Concen: 4.953 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:117 Resp: 14794

Ion	Ratio	Lower	Upper
117	100		
201	72.2	34.8	104.5

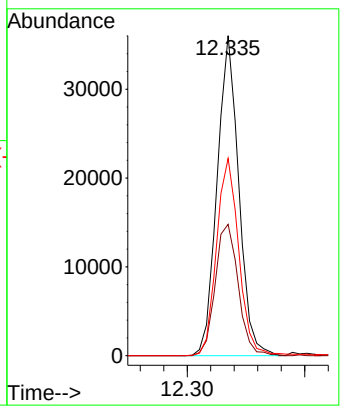




#91
1,2-Dichlorobenzene
Concen: 5.450 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:146 Resp: 4612

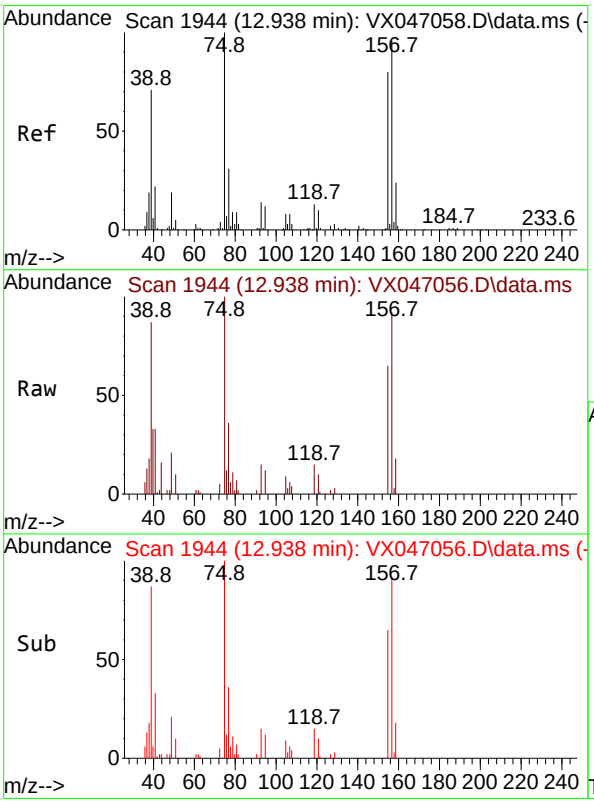
Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	64.6
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

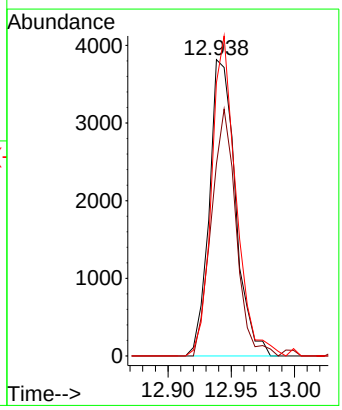
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

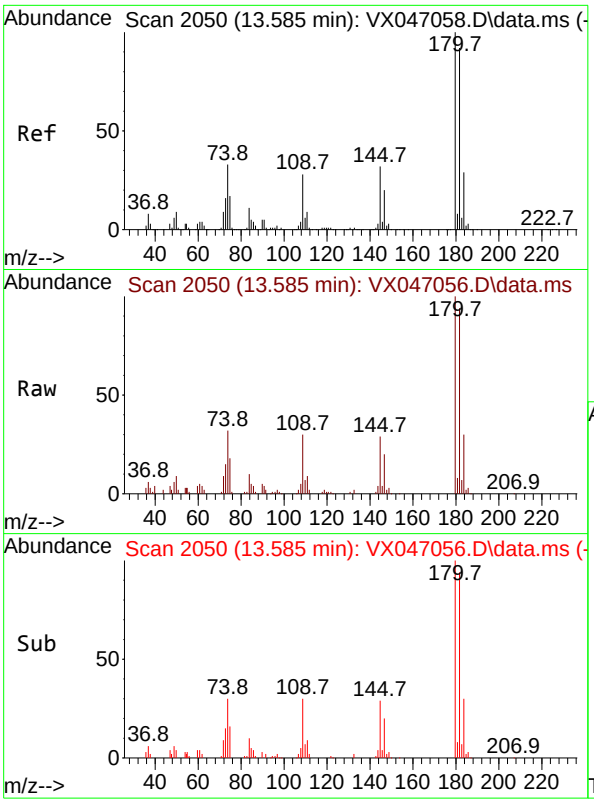


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.148 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 75 Resp: 5485

Ion	Ratio	Lower	Upper
75	100		
155	78.4	41.3	124.1
157	100.8	52.8	158.3

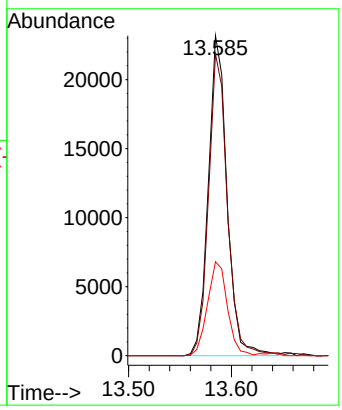




#93
1,2,4-Trichlorobenzene
Concen: 5.239 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:180 Resp: 2929

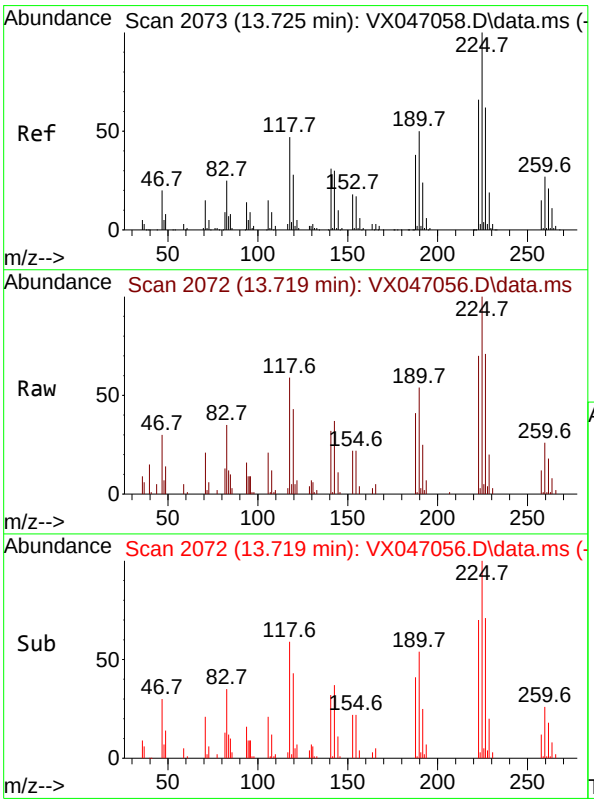
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	31.2	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

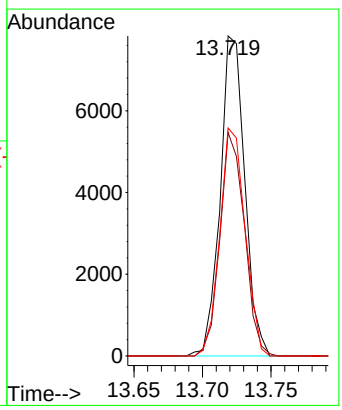
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

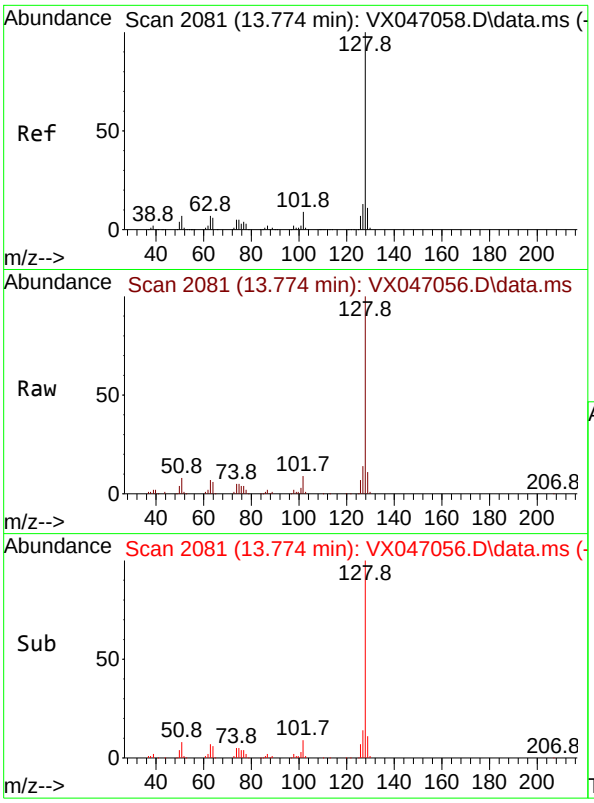


#94
Hexachlorobutadiene
Concen: 5.122 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:225 Resp: 9742

Ion	Ratio	Lower	Upper
225	100		
223	69.6	31.6	95.0
227	73.4	32.9	98.6

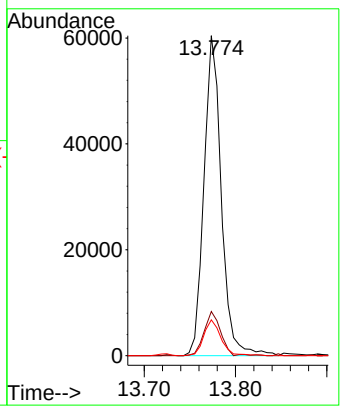




#95
Naphthalene
Concen: 4.854 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:128 Resp: 7956

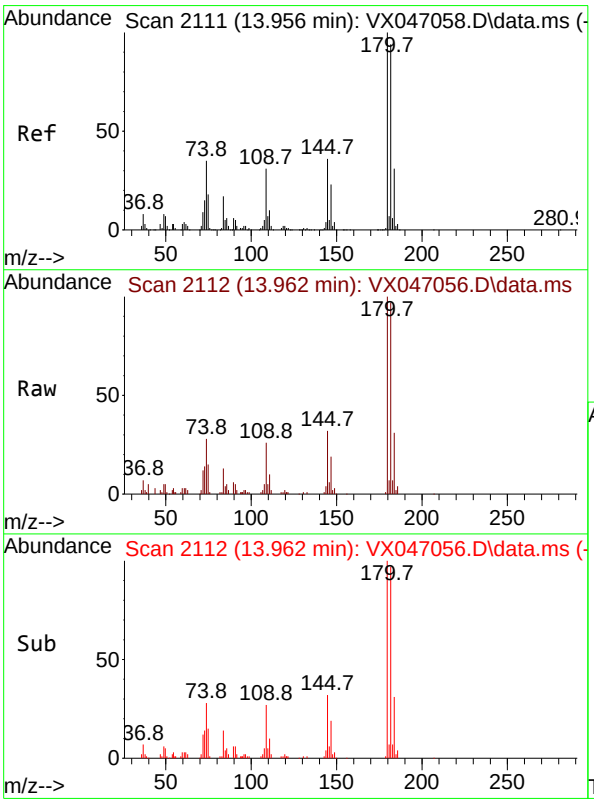
Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.1	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

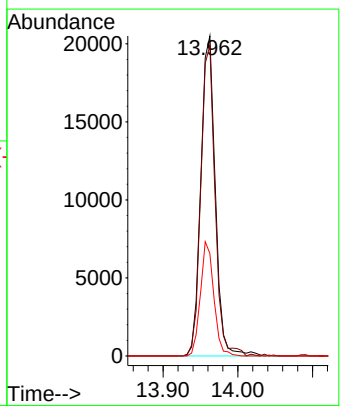
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 5.120 ug/l
RT: 13.962 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:180 Resp: 27584

Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.9	140.6
145	33.1	17.3	52.0



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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

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

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

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

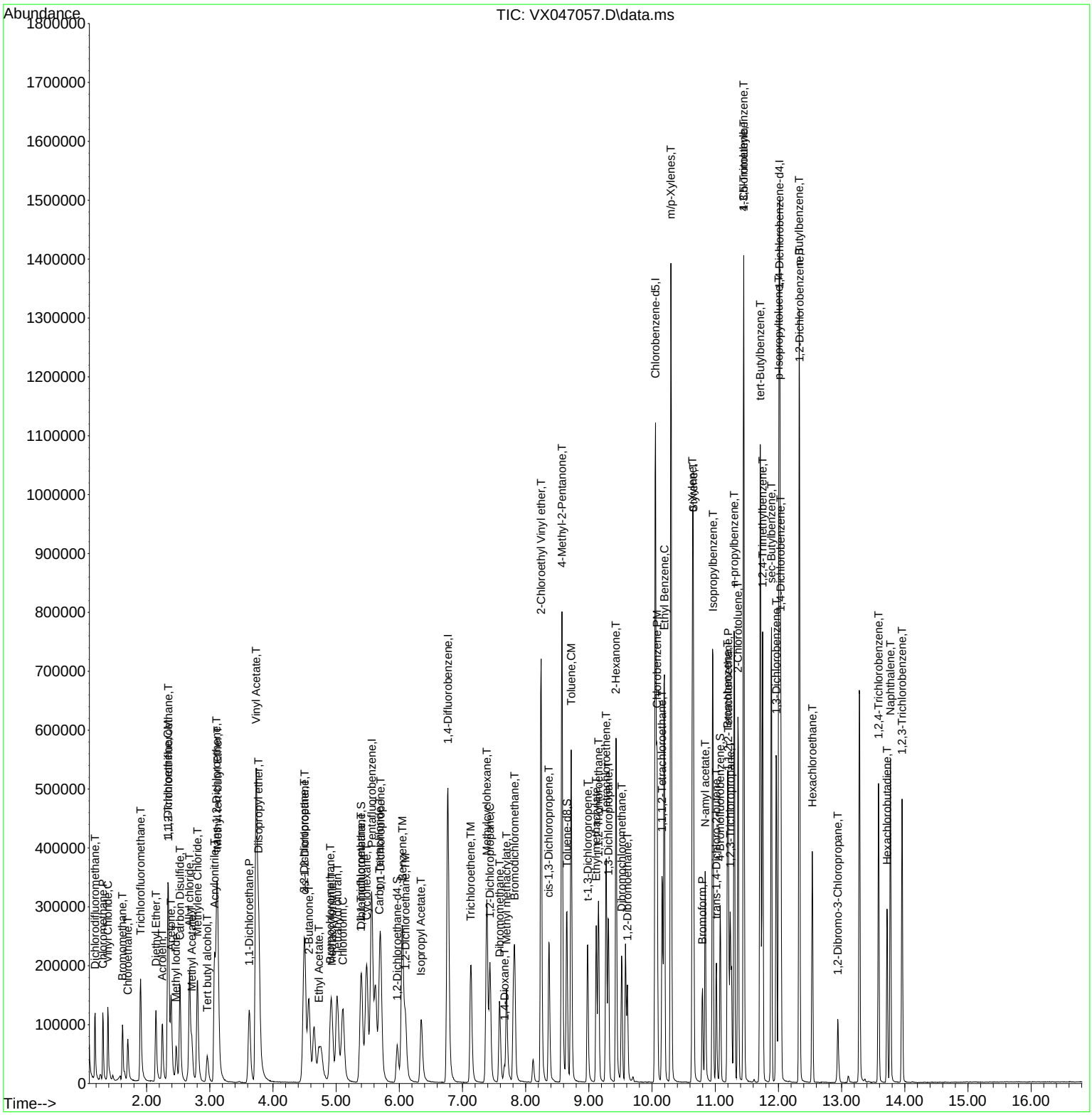
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ALS Vial : 5 Sample Multiplier: 1

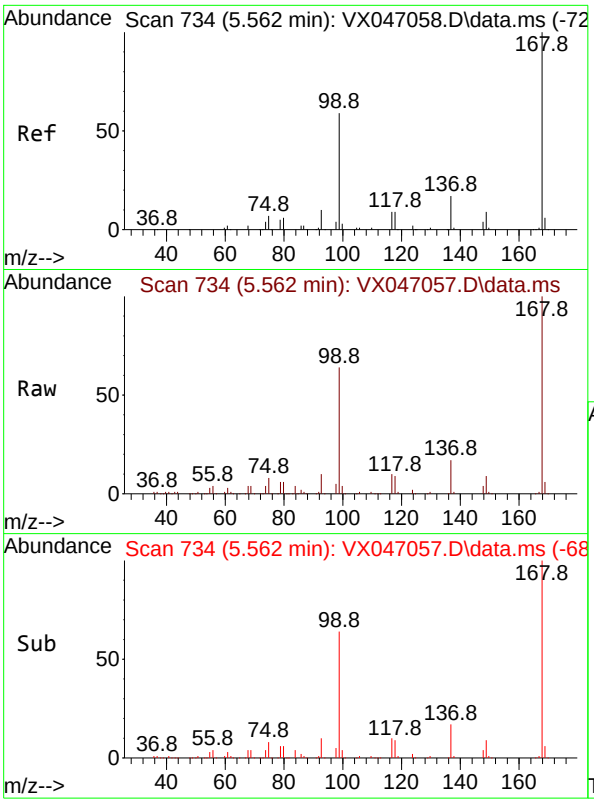
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QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

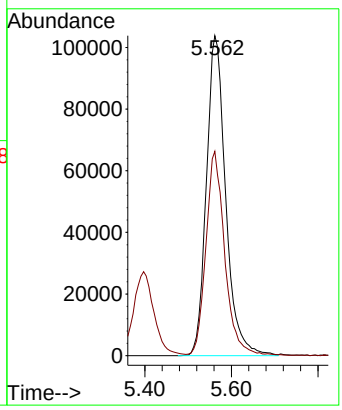




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:168 Resp: 32091

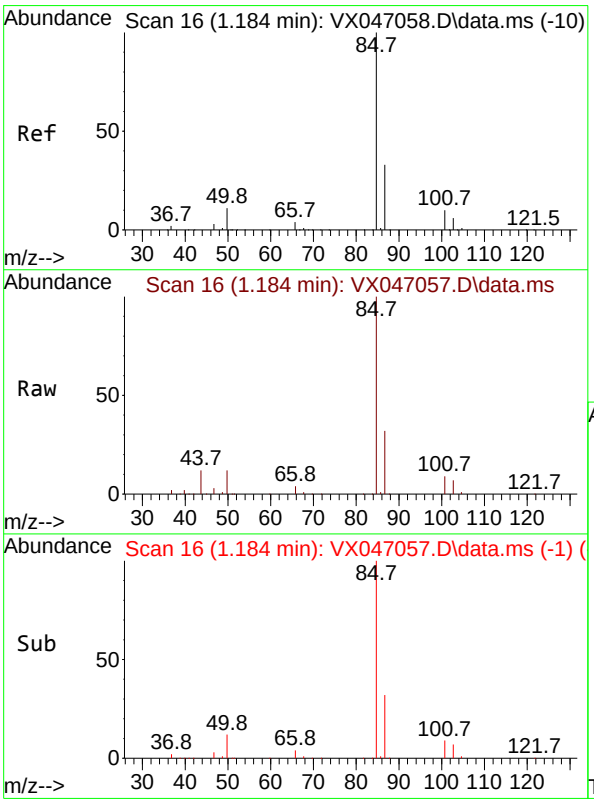
Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

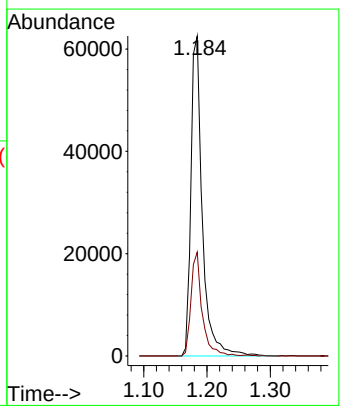
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

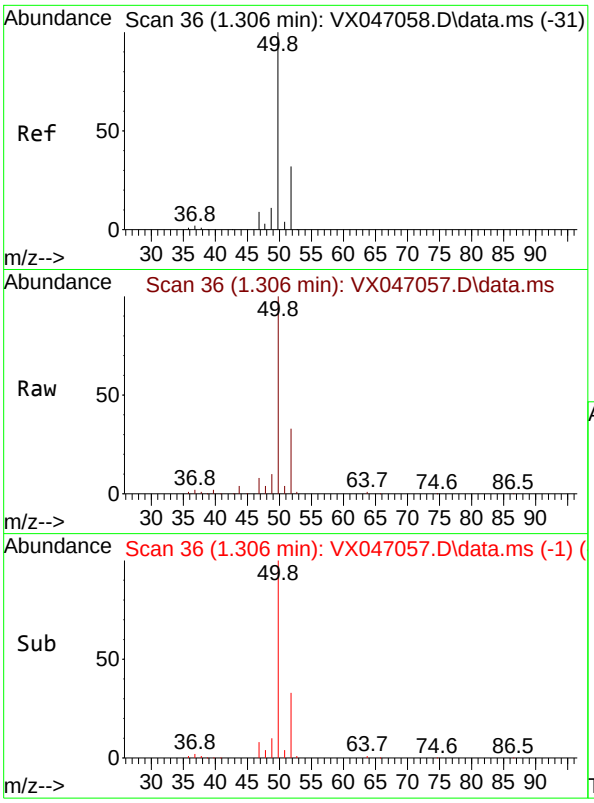


#2
Dichlorodifluoromethane
Concen: 18.376 ug/l
RT: 1.184 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 85 Resp: 78327

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.6	49.8

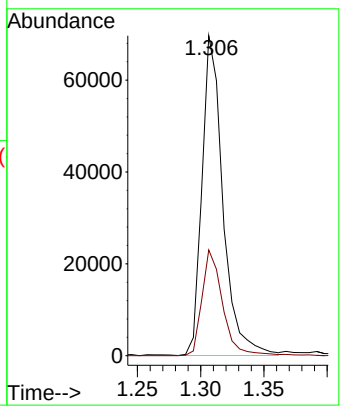




#3
Chloromethane
Concen: 19.046 ug/l
RT: 1.306 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 50 Resp: 8030

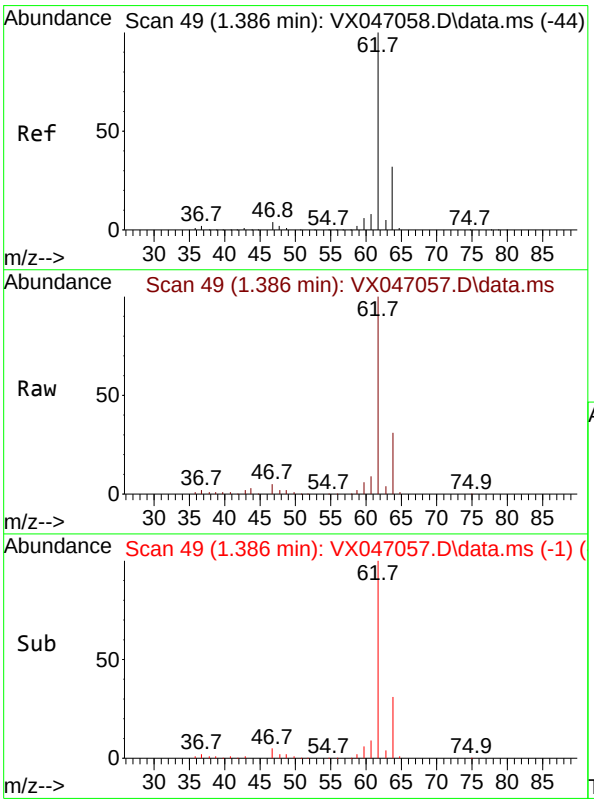
Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

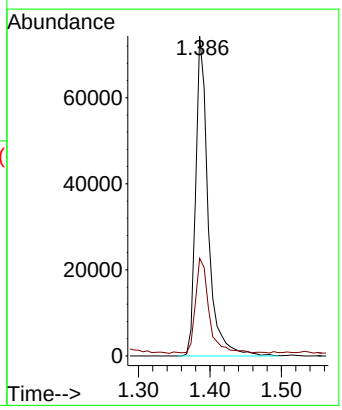
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

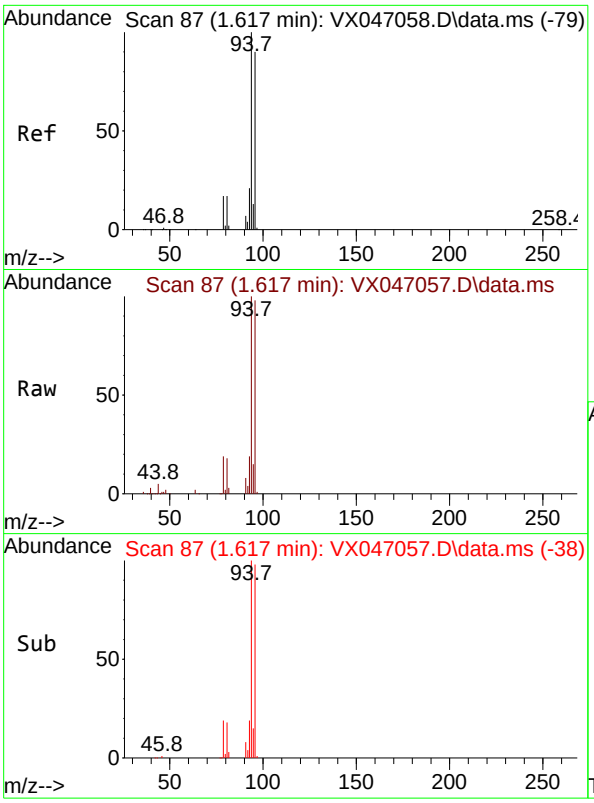


#4
Vinyl Chloride
Concen: 19.832 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 62 Resp: 89887

Ion	Ratio	Lower	Upper
62	100		
64	29.5	25.2	37.8

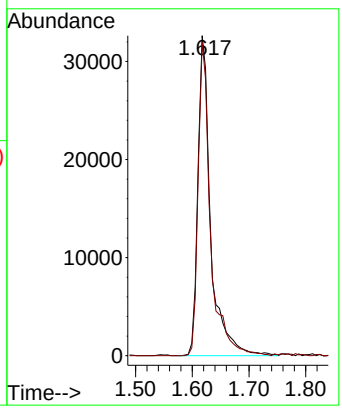




#5
Bromomethane
Concen: 20.832 ug/l
RT: 1.617 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 94 Resp: 5129

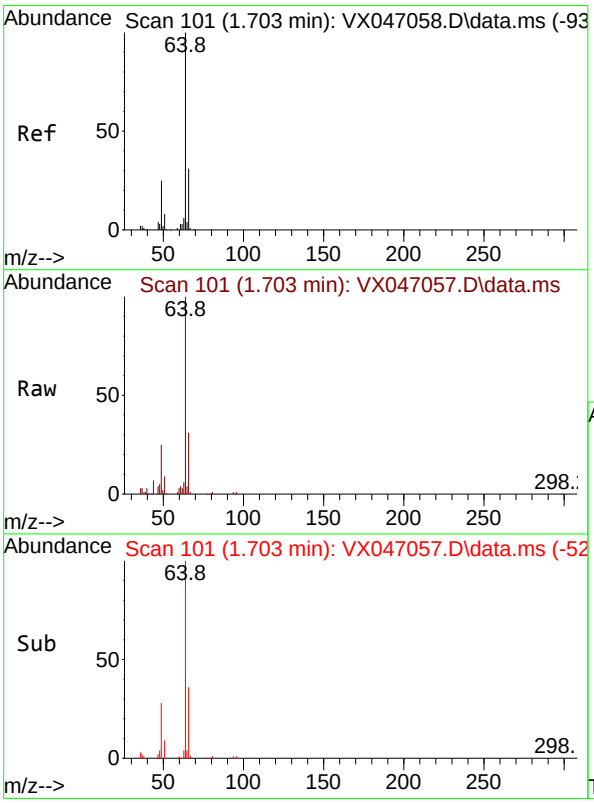
Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

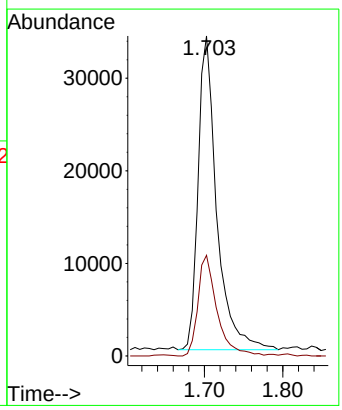
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

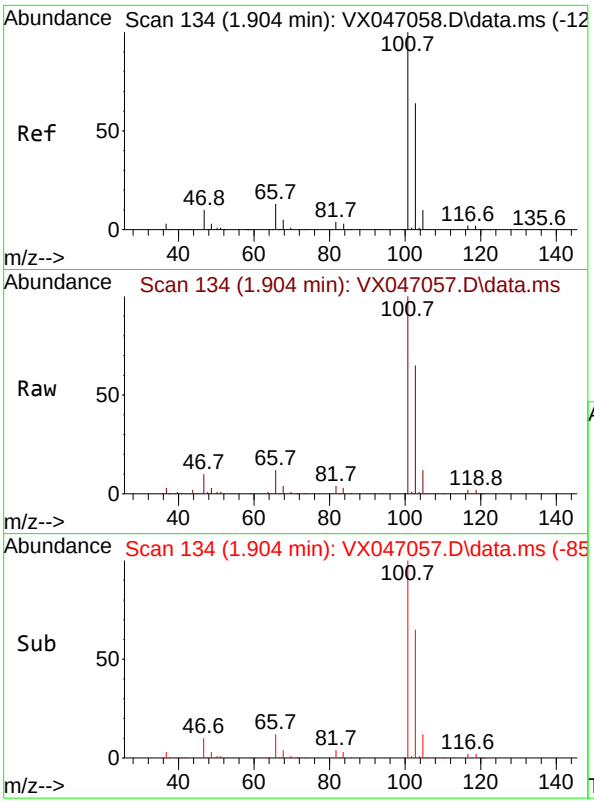


#6
Chloroethane
Concen: 18.797 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 64 Resp: 55955

Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.0	37.6

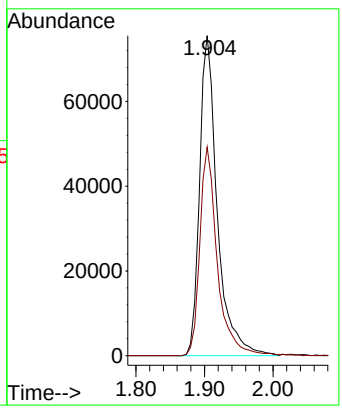




#7
Trichlorofluoromethane
Concen: 20.095 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:101 Resp: 13581

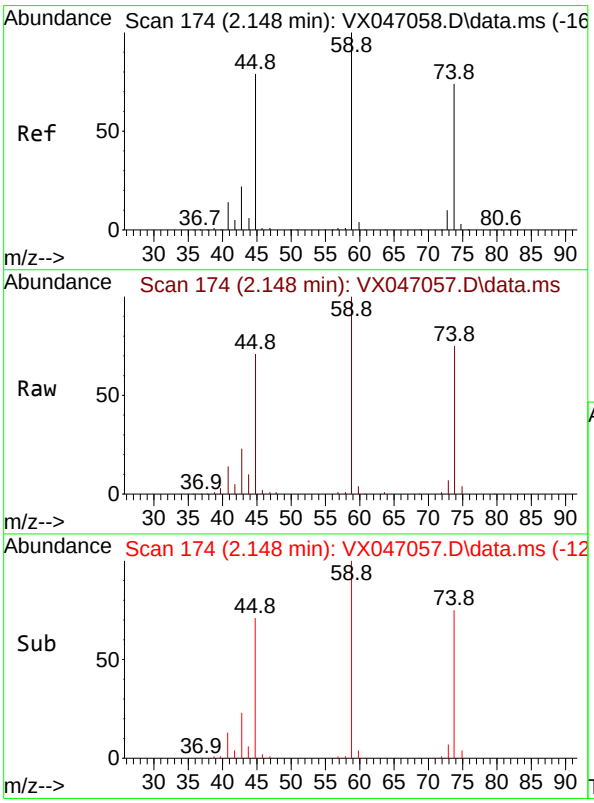
Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

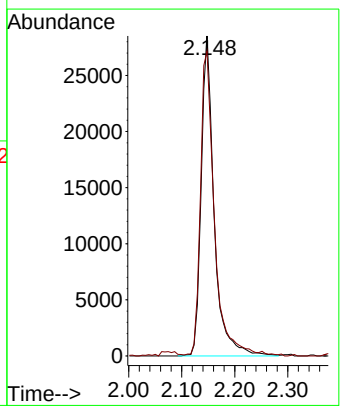
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

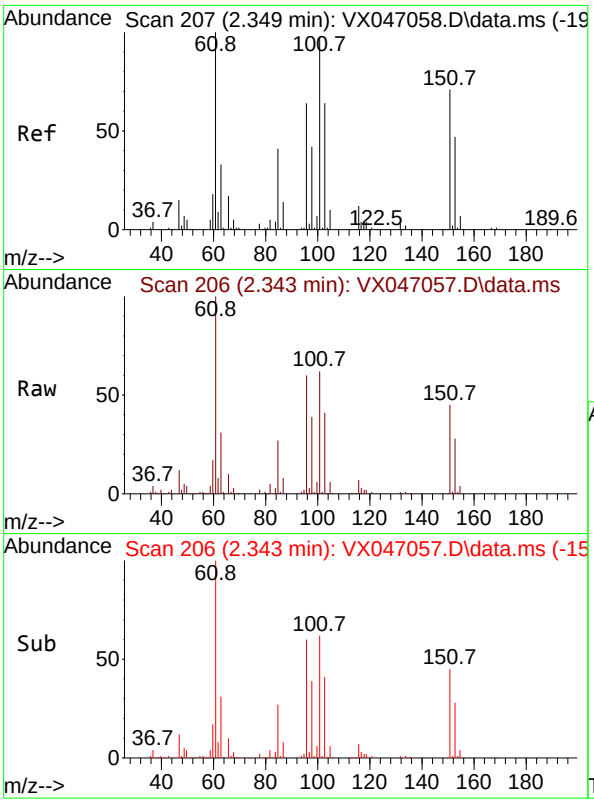


#8
Diethyl Ether
Concen: 20.277 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 74 Resp: 48319

Ion	Ratio	Lower	Upper
74	100		
45	103.6	53.0	159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.350 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

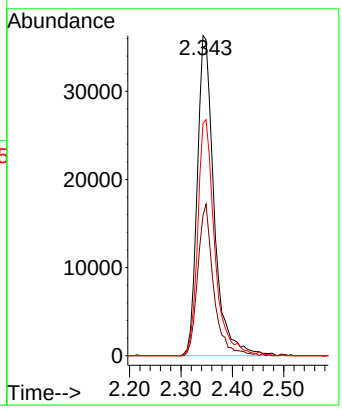
Tgt Ion:101 Resp: 8286

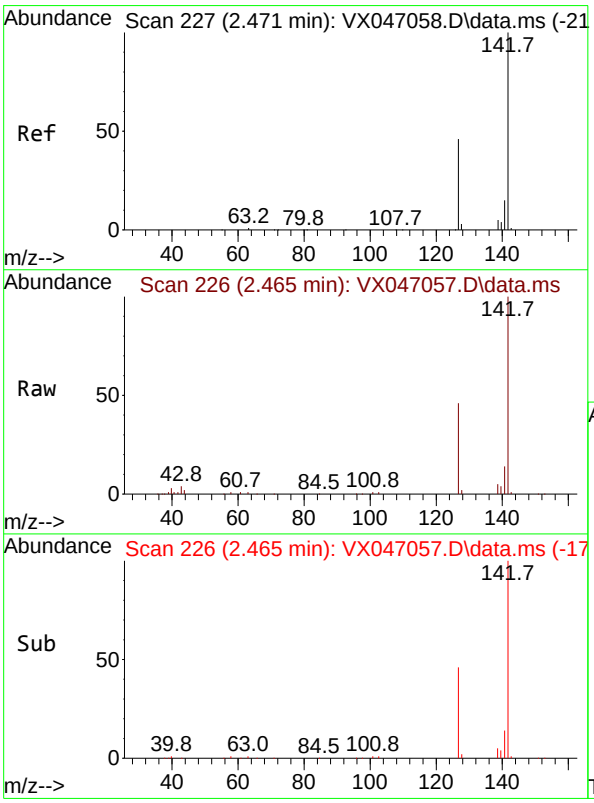
Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.4	53.0
151	73.8	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

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

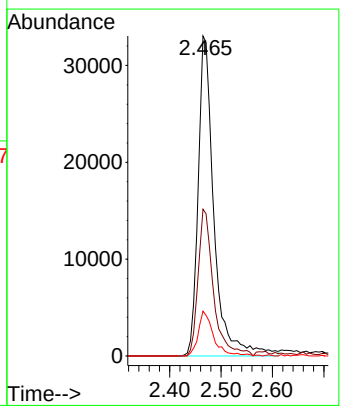


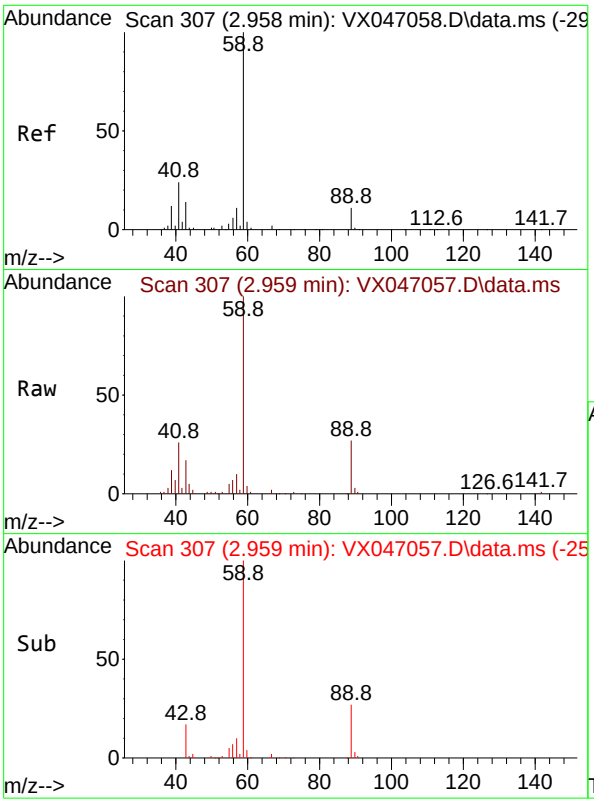


#10
Methyl Iodide
Concen: 17.073 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:142 Resp: 70850

Ion	Ratio	Lower	Upper
142	100		
127	44.3	36.6	54.8
141	13.6	10.9	16.3





#11
Tert butyl alcohol
Concen: 96.502 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

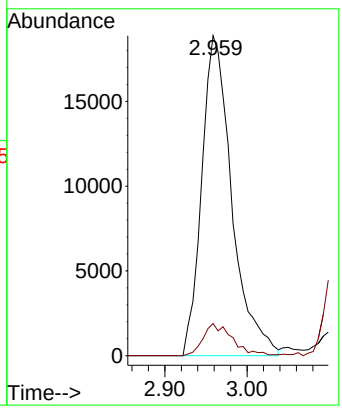
Tgt Ion: 59 Resp: 4804

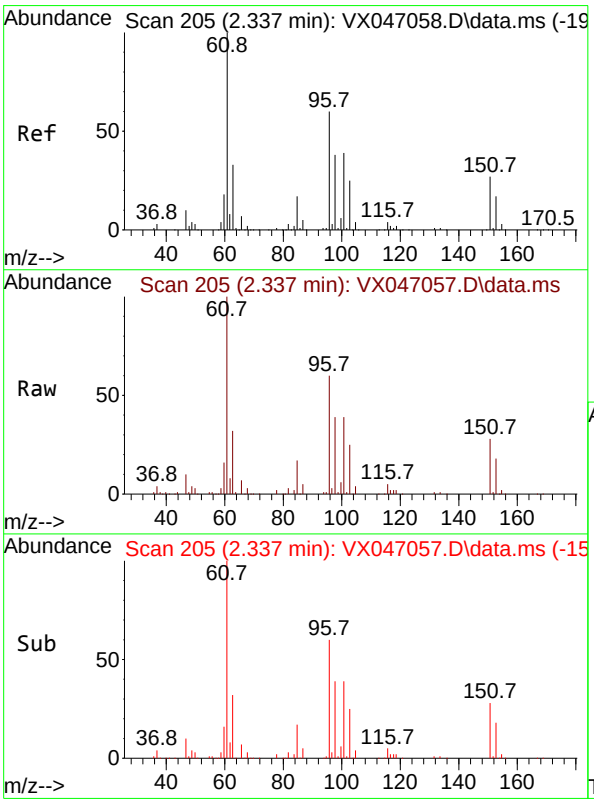
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

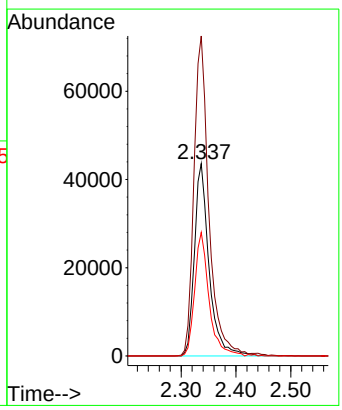


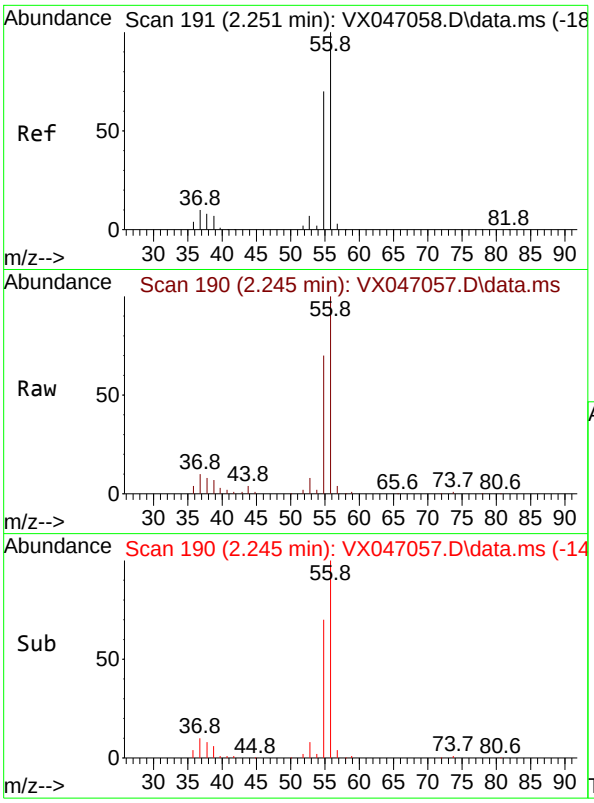


#12
1,1-Dichloroethene
Concen: 20.206 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 96 Resp: 81489

Ion	Ratio	Lower	Upper
96	100		
61	159.3	132.6	198.8
98	61.5	50.2	75.4

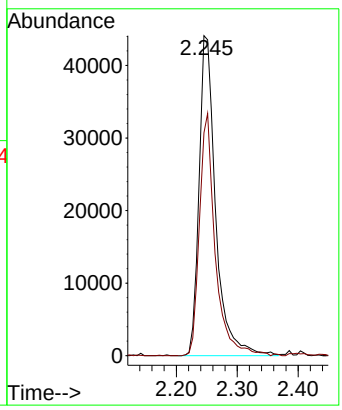




#13
Acrolein
Concen: 96.989 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 56 Resp: 8348

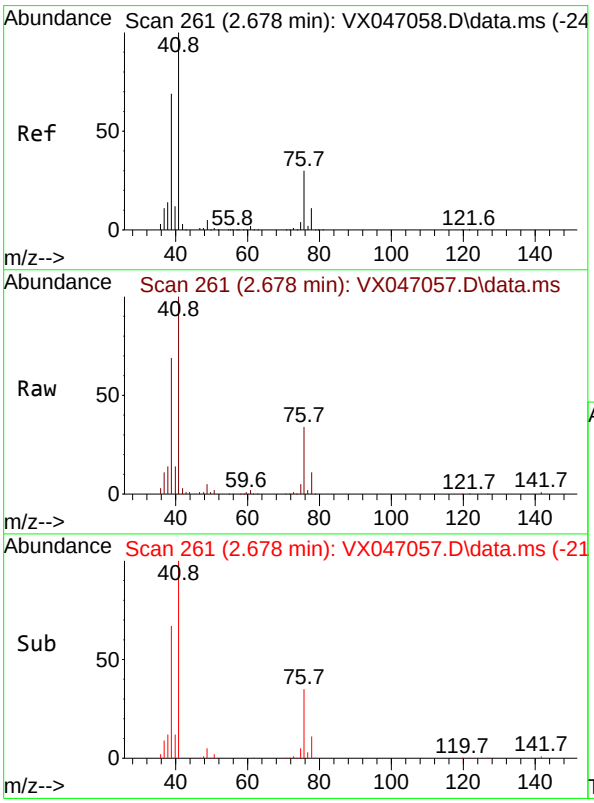
Ion	Ratio	Lower	Upper
56	100		
55	71.8	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

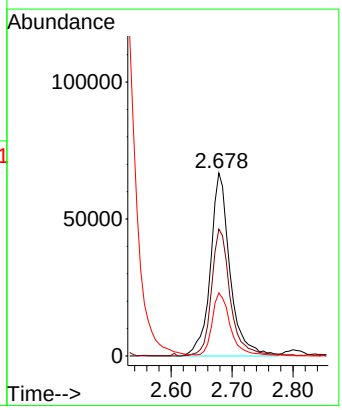
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

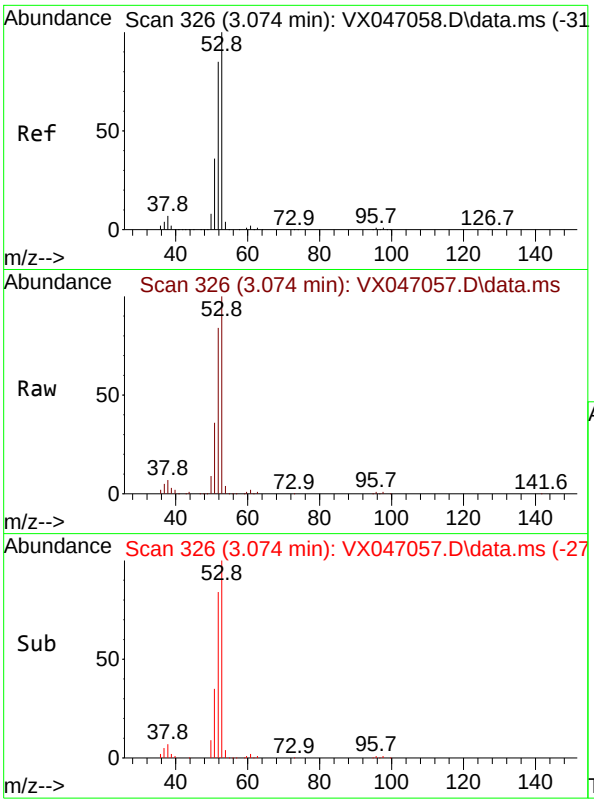


#14
Allyl chloride
Concen: 20.465 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 41 Resp: 149196

Ion	Ratio	Lower	Upper
41	100		
39	67.1	52.6	78.8
76	32.6	25.7	38.5





#15
Acrylonitrile
Concen: 106.603 ug/l
RT: 3.074 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

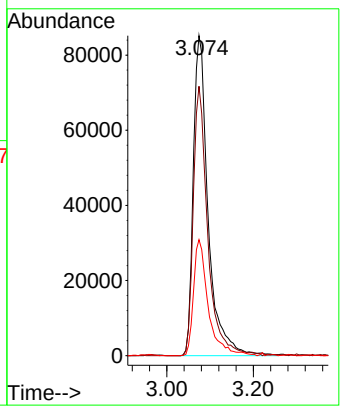
Tgt Ion: 53 Resp: 20324

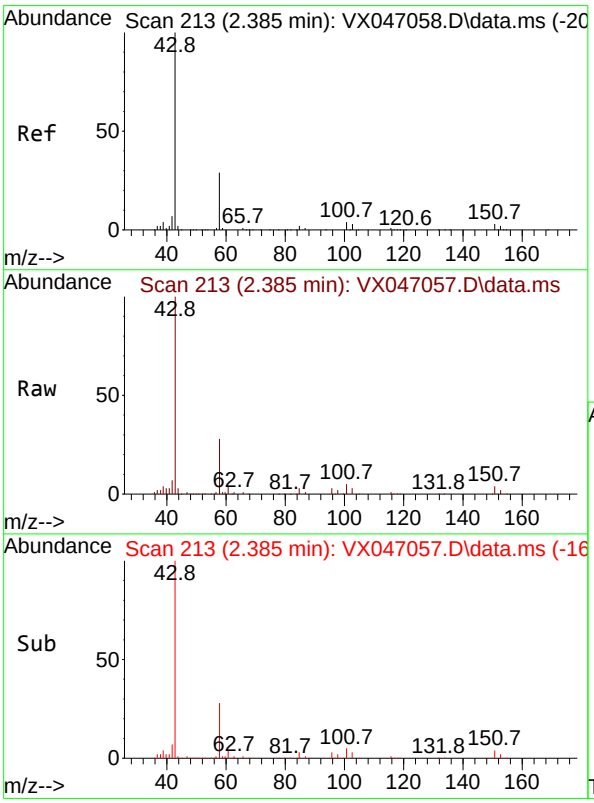
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	35.9	28.8	43.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

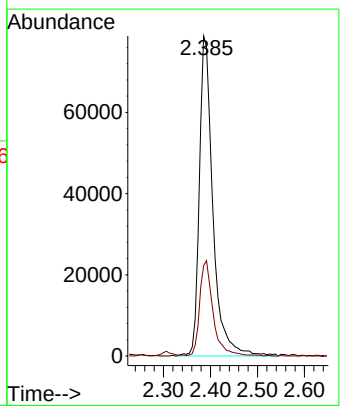


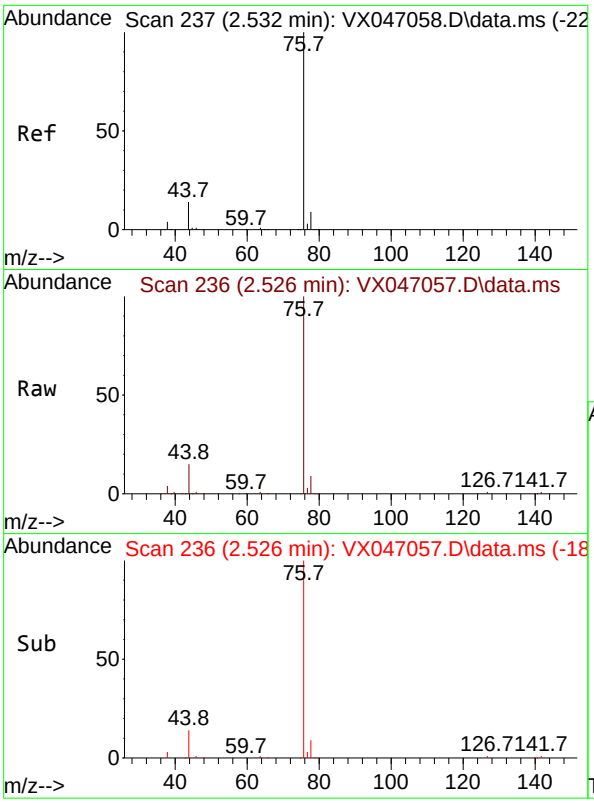


#16
Acetone
Concen: 98.619 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 43 Resp: 157932

Ion	Ratio	Lower	Upper
43	100		
58	28.3	24.0	36.0

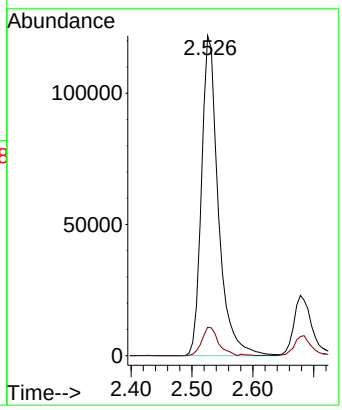




#17
Carbon Disulfide
Concen: 20.059 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 76 Resp: 23403

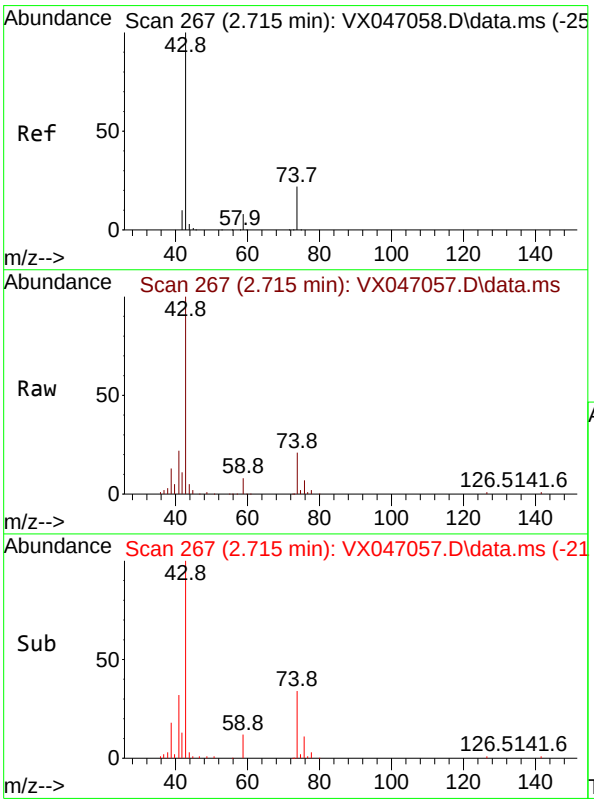
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

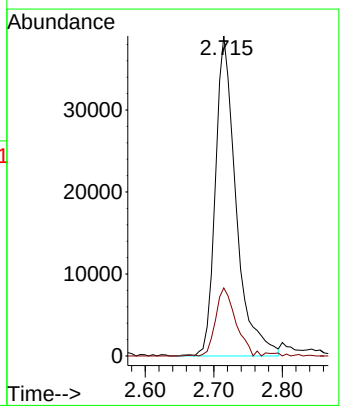
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

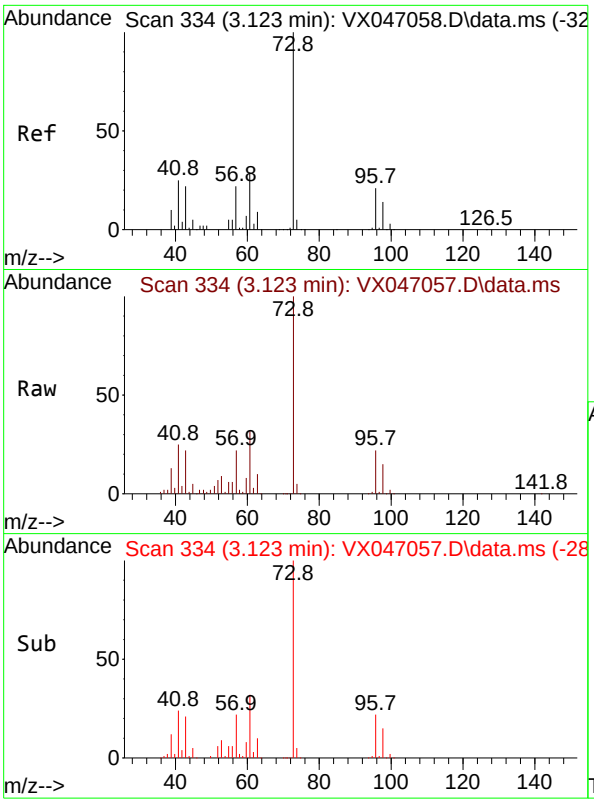


#18
Methyl Acetate
Concen: 19.180 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 43 Resp: 81624

Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.7	26.5

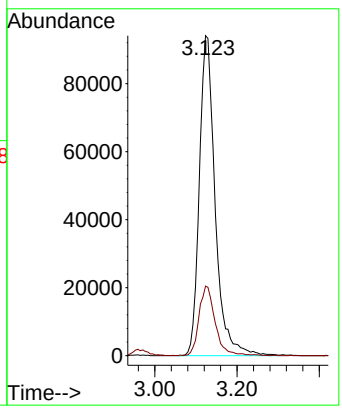




#19
Methyl tert-butyl Ether
Concen: 20.497 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 73 Resp: 25158

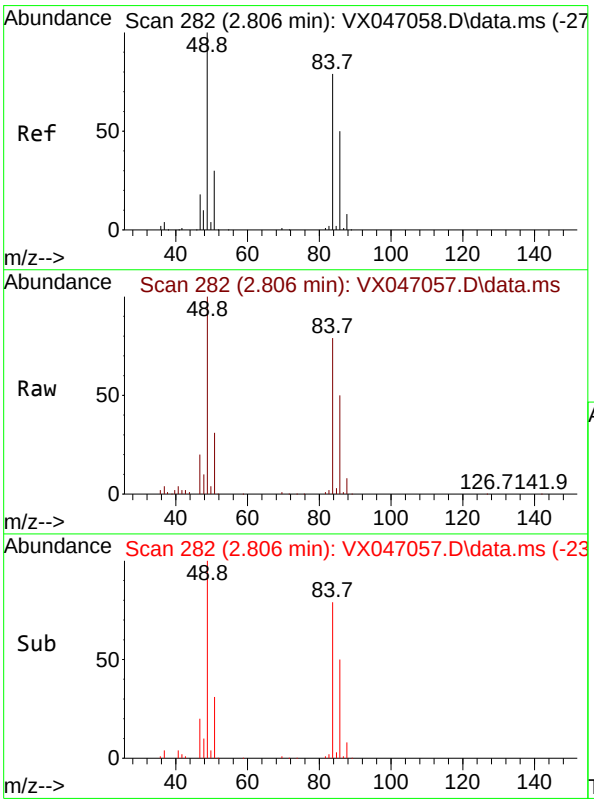
Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

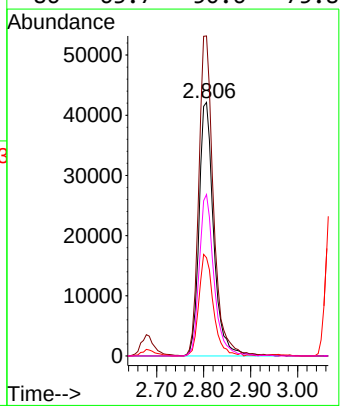
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

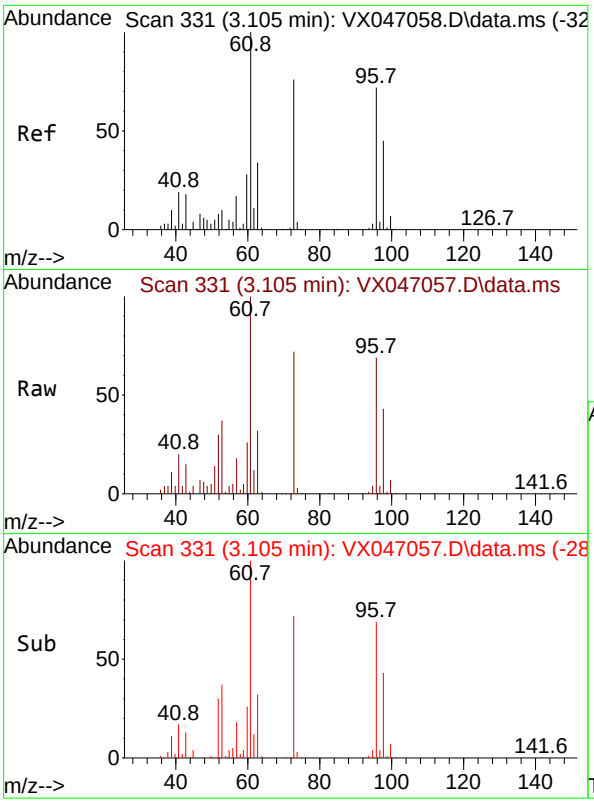


#20
Methylene Chloride
Concen: 20.621 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 84 Resp: 90849

Ion	Ratio	Lower	Upper
84	100		
49	126.0	101.6	152.4
51	38.7	30.3	45.5
86	63.7	50.6	75.8

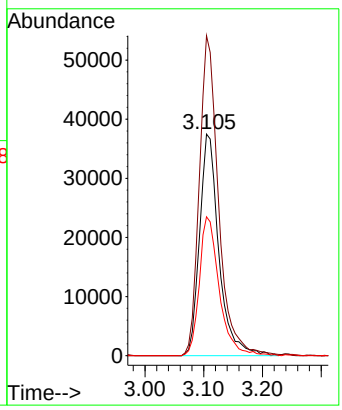




#21
trans-1,2-Dichloroethene
Concen: 20.738 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 96 Resp: 8558

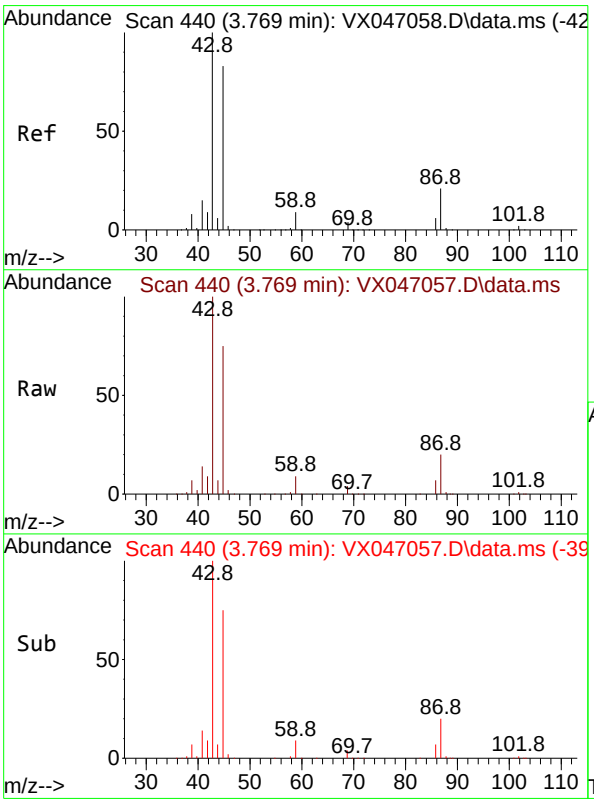
Ion	Ratio	Lower	Upper
96	100		
61	144.4	111.1	166.7
98	62.6	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

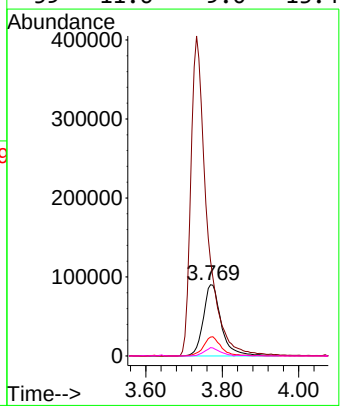
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

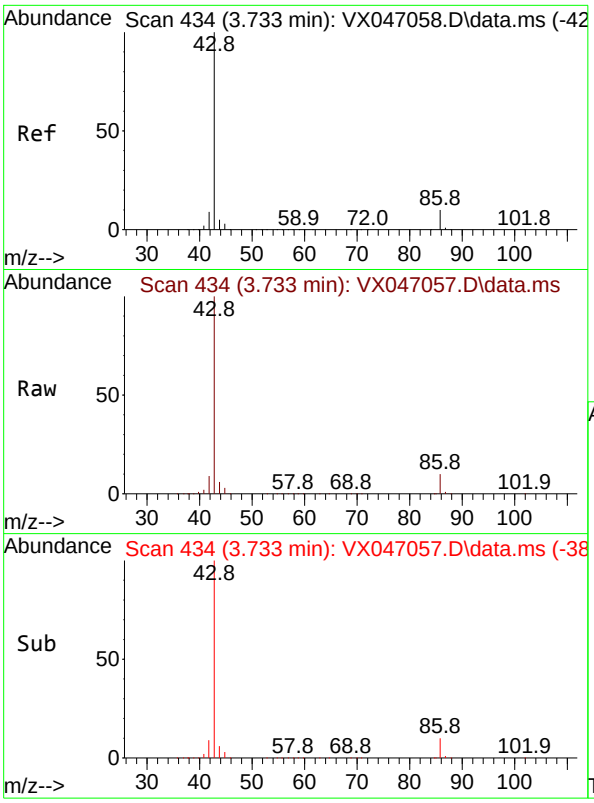


#22
Diisopropyl ether
Concen: 20.967 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 45 Resp: 293875

Ion	Ratio	Lower	Upper
45	100		
43	133.7	96.8	145.2
87	26.6	20.5	30.7
59	11.6	9.0	13.4





#23
Vinyl Acetate
Concen: 106.090 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

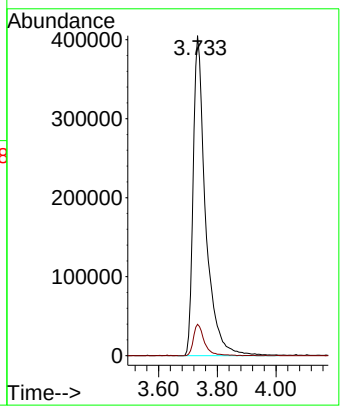
Tgt Ion: 43 Resp: 119263

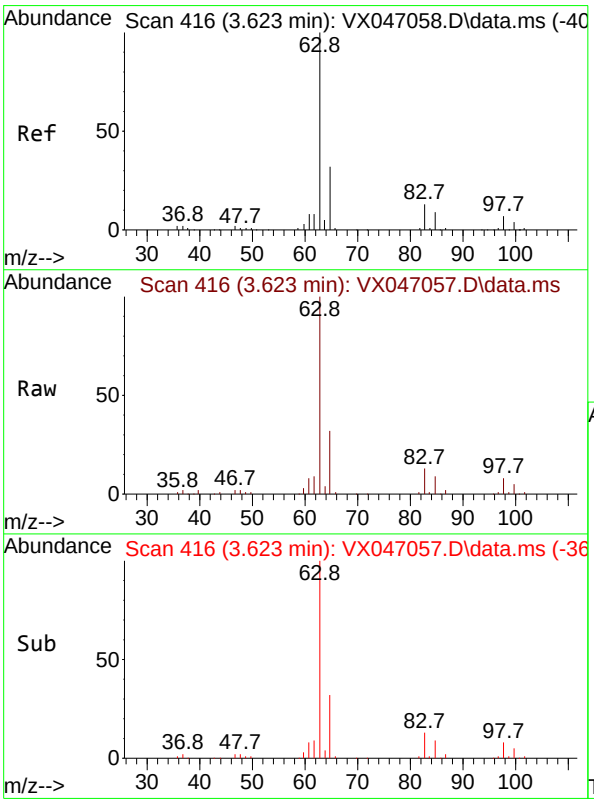
Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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Reviewed By :John Carlone 07/22/2025
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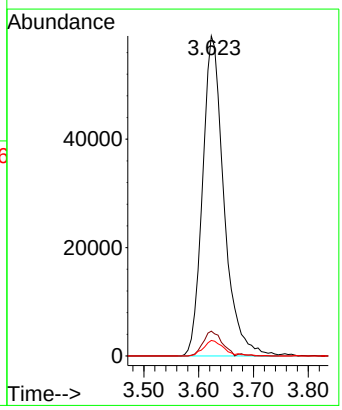


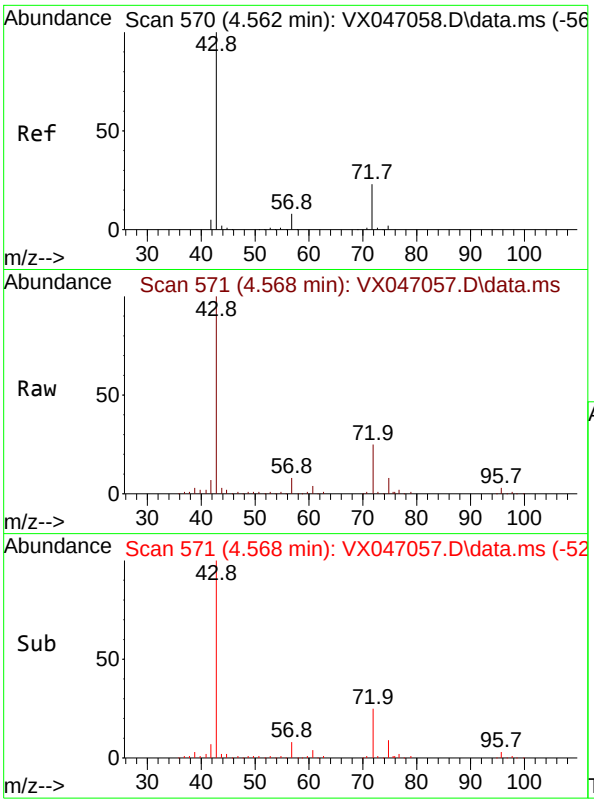


#24
1,1-Dichloroethane
Concen: 20.507 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 63 Resp: 159828

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	4.9	2.3	6.8





#25
2-Butanone
Concen: 102.172 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

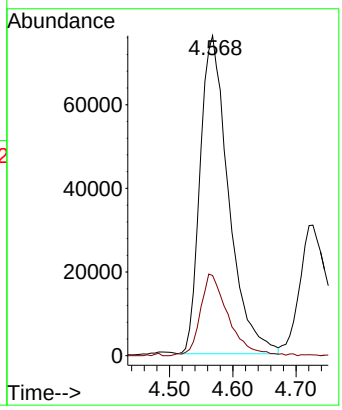
Tgt Ion: 43 Resp: 23824

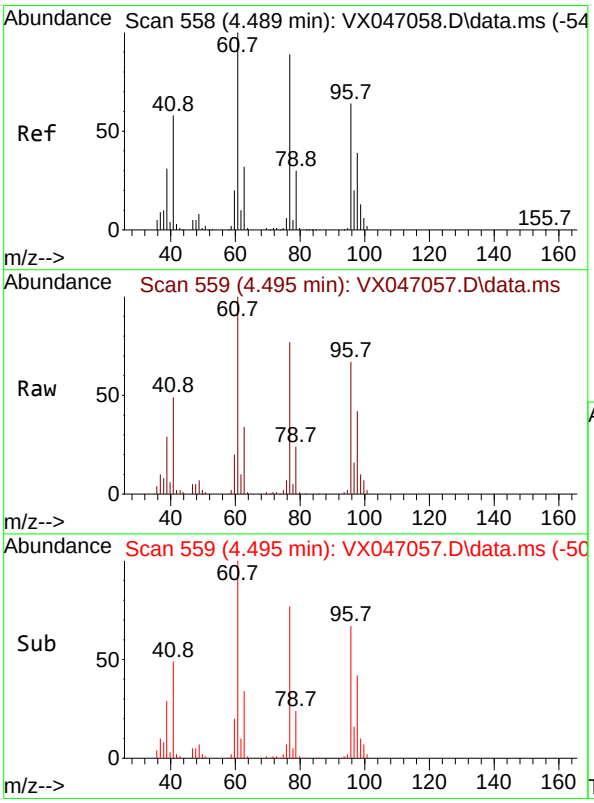
Ion	Ratio	Lower	Upper
43	100		
72	24.9	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

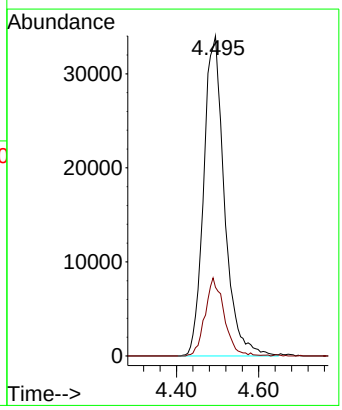


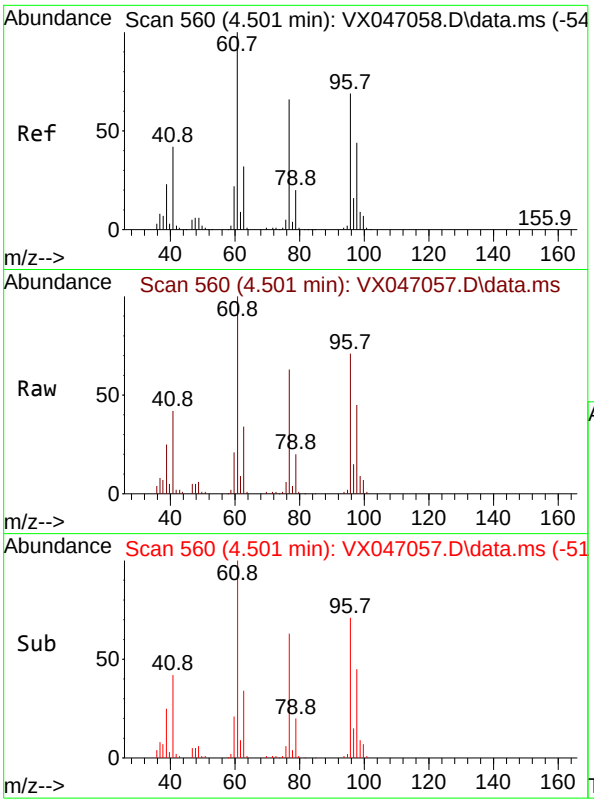


#26
2,2-Dichloropropane
Concen: 19.743 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 77 Resp: 119113

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.1

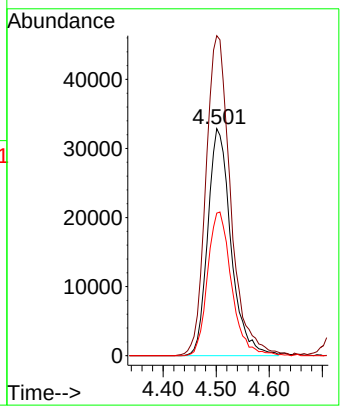




#27
cis-1,2-Dichloroethene
Concen: 20.420 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 96 Resp: 9979

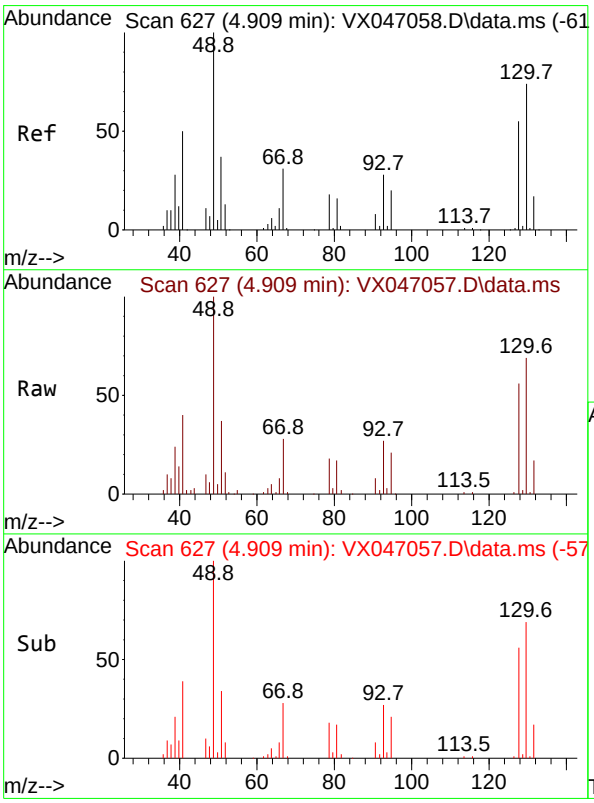
Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	298.6
98	65.4	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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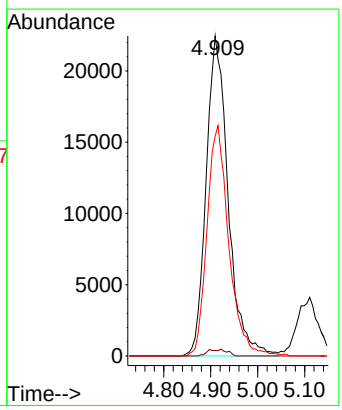
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

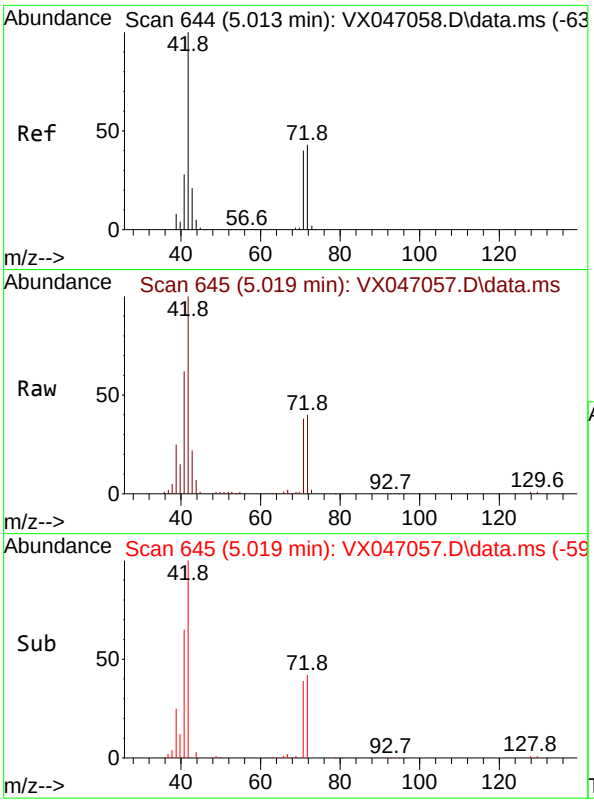


#28
Bromochloromethane
Concen: 20.334 ug/l
RT: 4.909 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 49 Resp: 72912

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	71.3	59.0	88.4

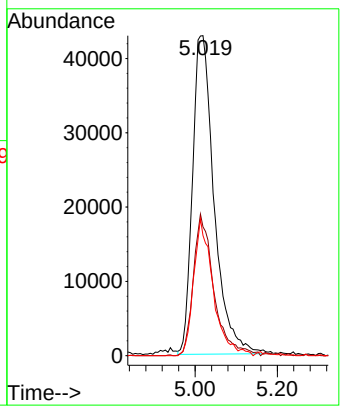




#29
Tetrahydrofuran
Concen: 104.232 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 42 Resp: 15681

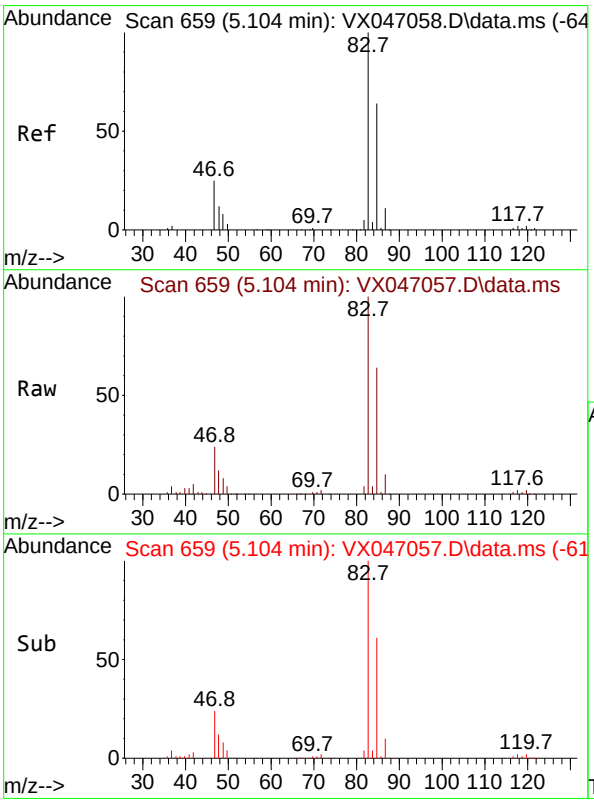
Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	38.6	31.0	46.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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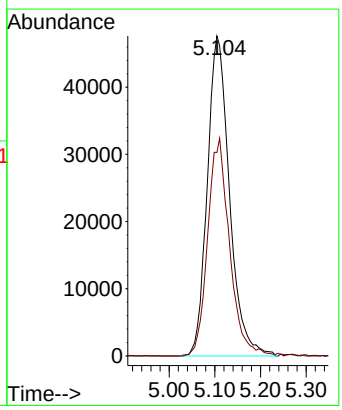
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

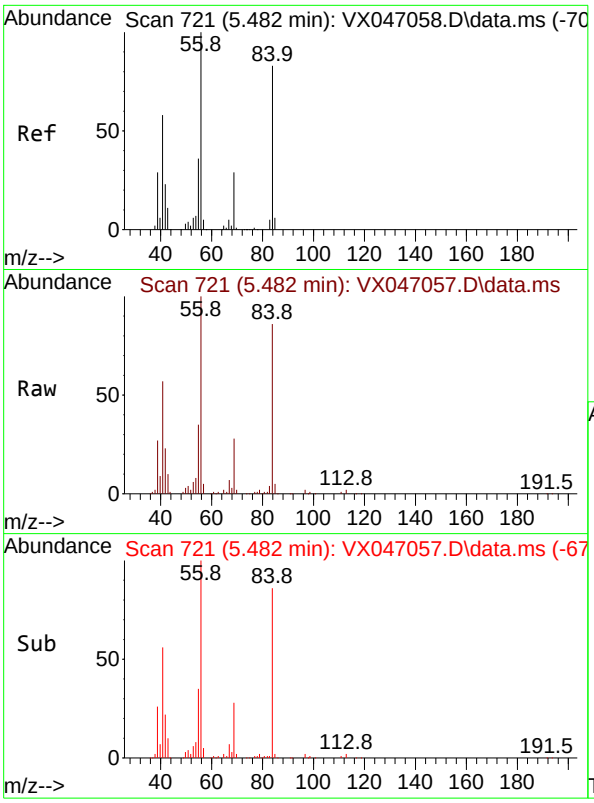


#30
Chloroform
Concen: 20.255 ug/l
RT: 5.104 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 83 Resp: 160698

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3





#31
Cyclohexane
Concen: 20.397 ug/l
RT: 5.482 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

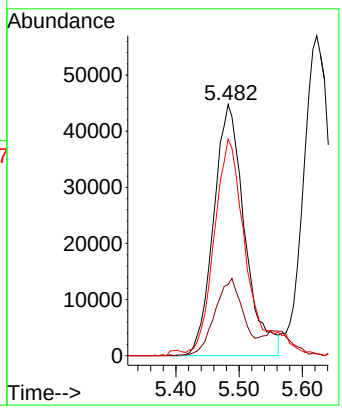
Tgt Ion: 56 Resp: 15243

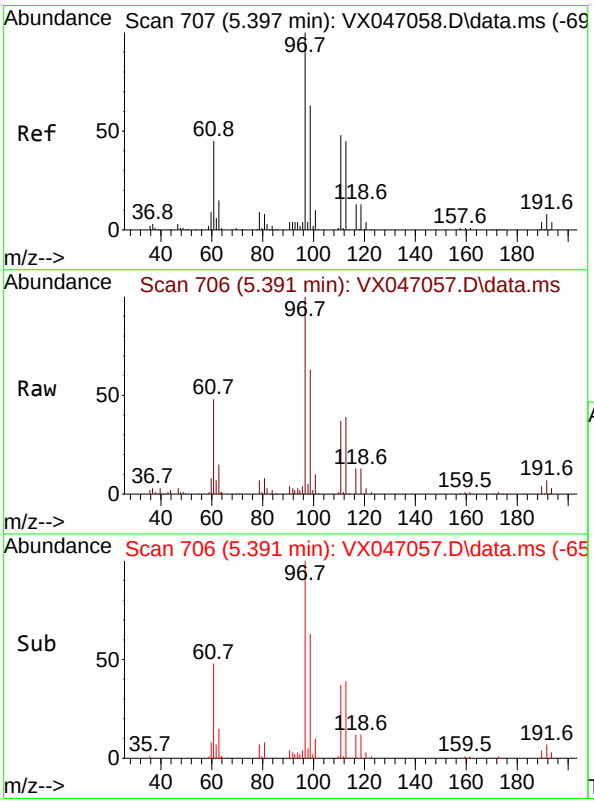
Ion	Ratio	Lower	Upper
56	100		
69	28.0	23.3	34.9
84	84.2	66.5	99.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

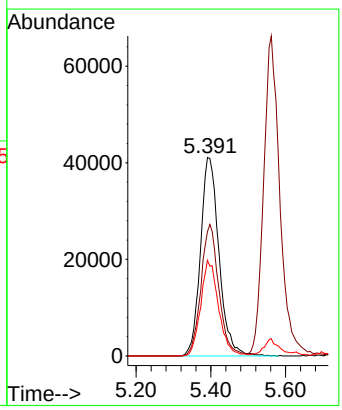


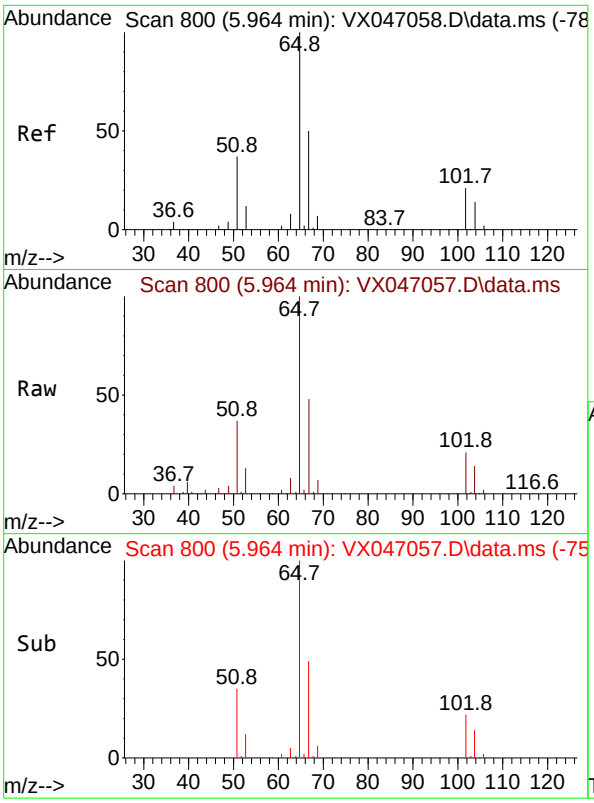


#32
1,1,1-Trichloroethane
Concen: 20.503 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 97 Resp: 141289

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.2	76.8
61	46.7	37.1	55.7

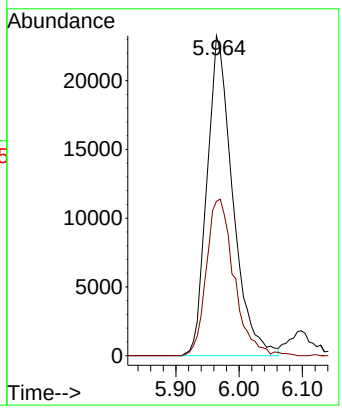




#33
1,2-Dichloroethane-d4
Concen: 16.395 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 65 Resp: 6554

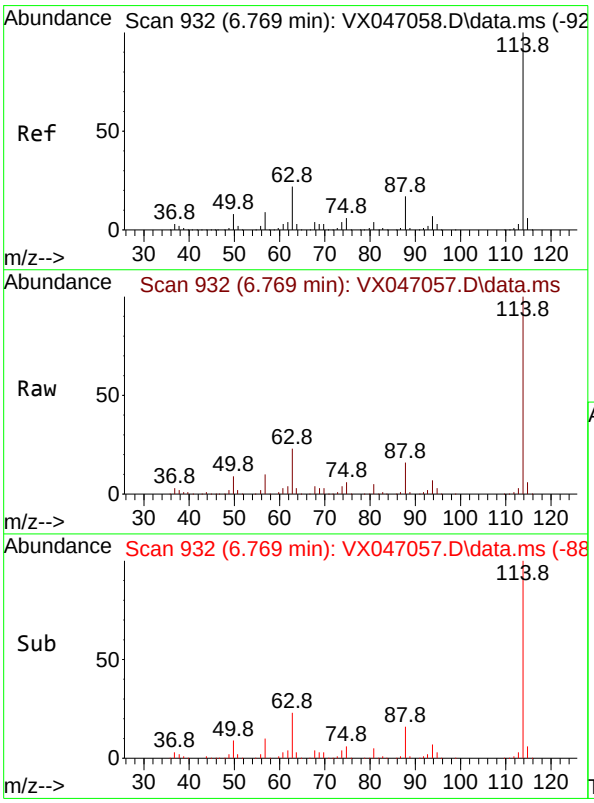
Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

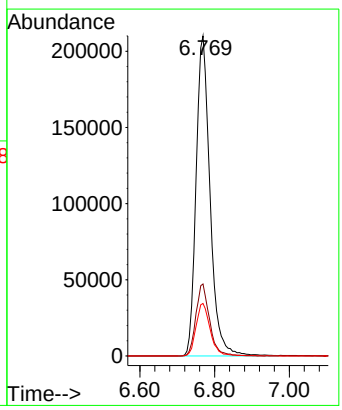
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

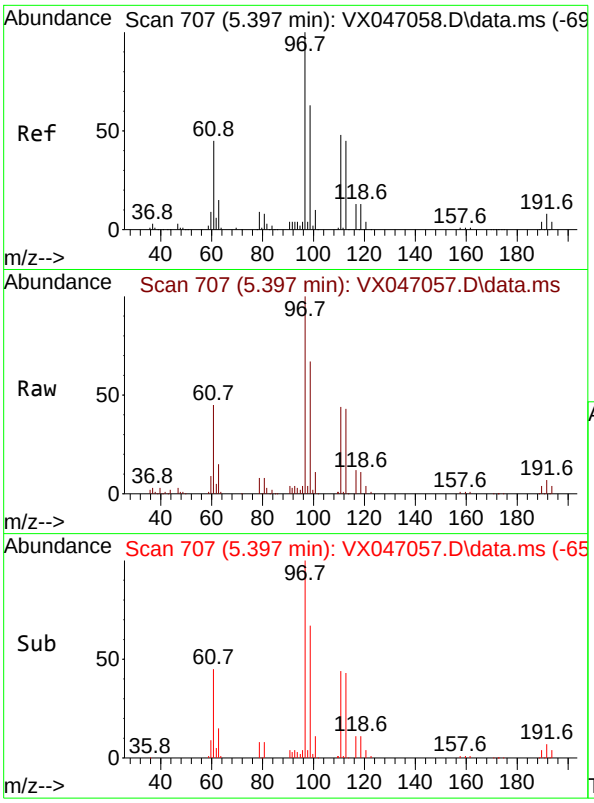


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:114 Resp: 544303

Ion	Ratio	Lower	Upper
114	100		
63	25.5	0.0	43.2
88	16.4	0.0	33.8

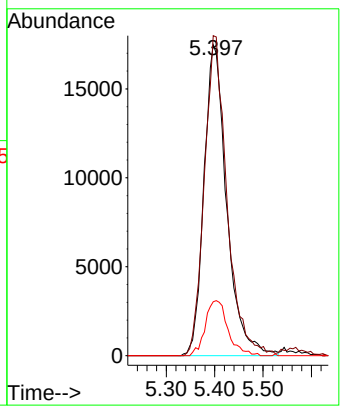




#35
Dibromofluoromethane
Concen: 16.992 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:113 Resp: 5710

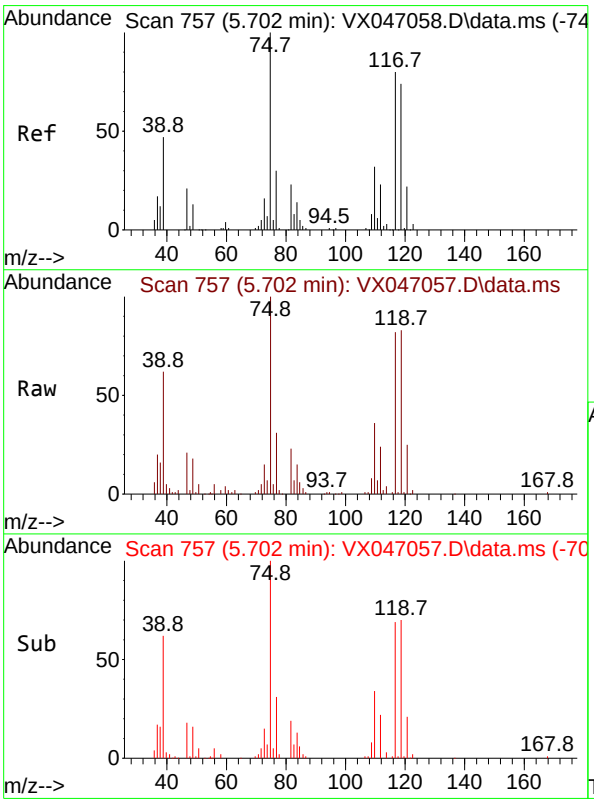
Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	124.0
192	17.6	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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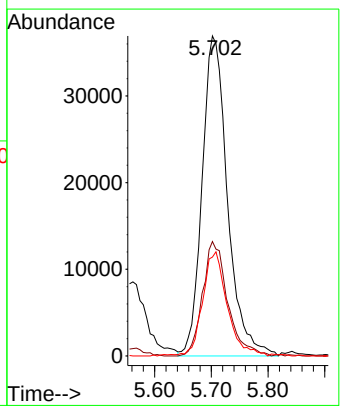
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

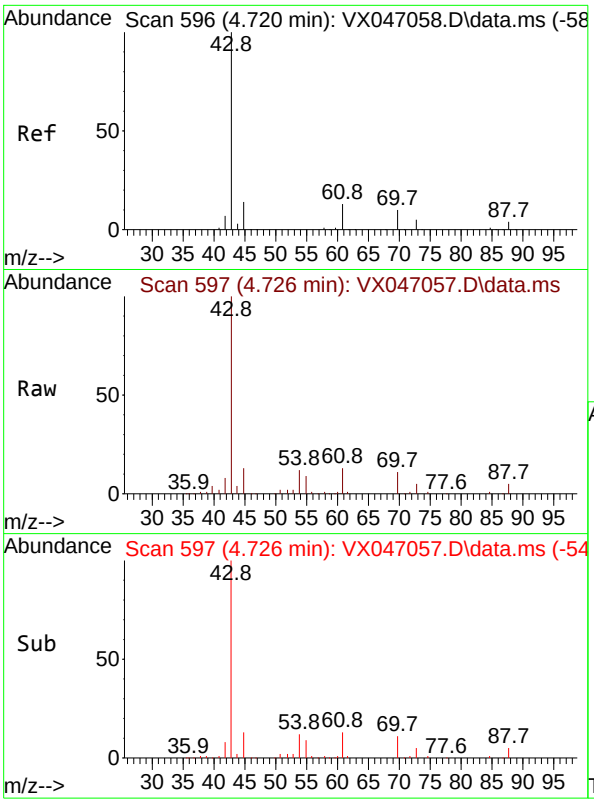


#36
1,1-Dichloropropene
Concen: 20.062 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 75 Resp: 114925

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.5
77	31.4	25.1	37.7

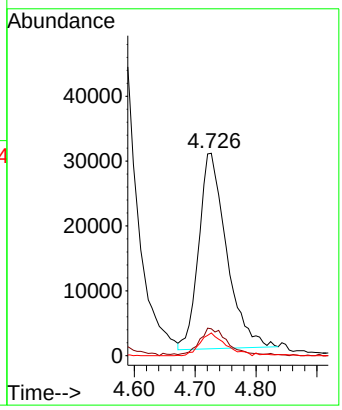




#37
Ethyl Acetate
Concen: 18.907 ug/l
RT: 4.726 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 43 Resp: 9545

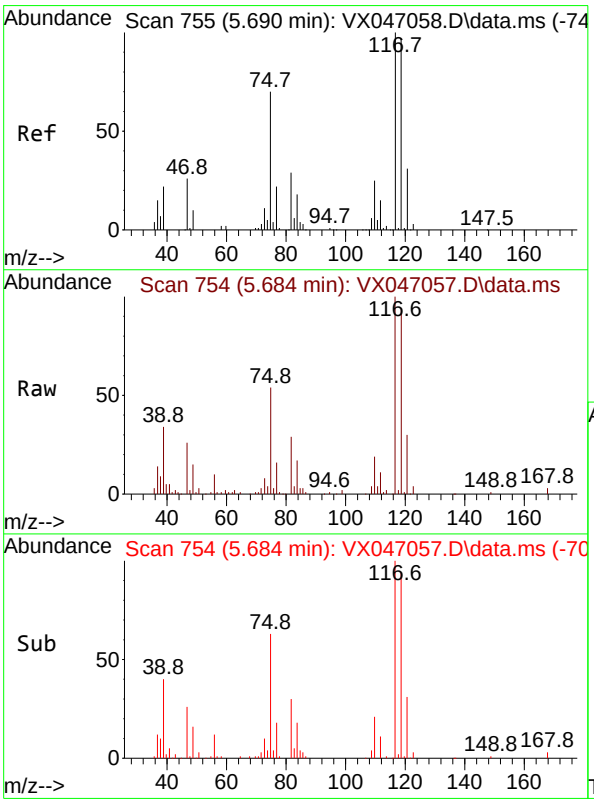
Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	10.6	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

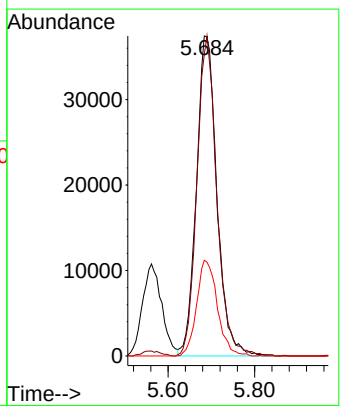
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

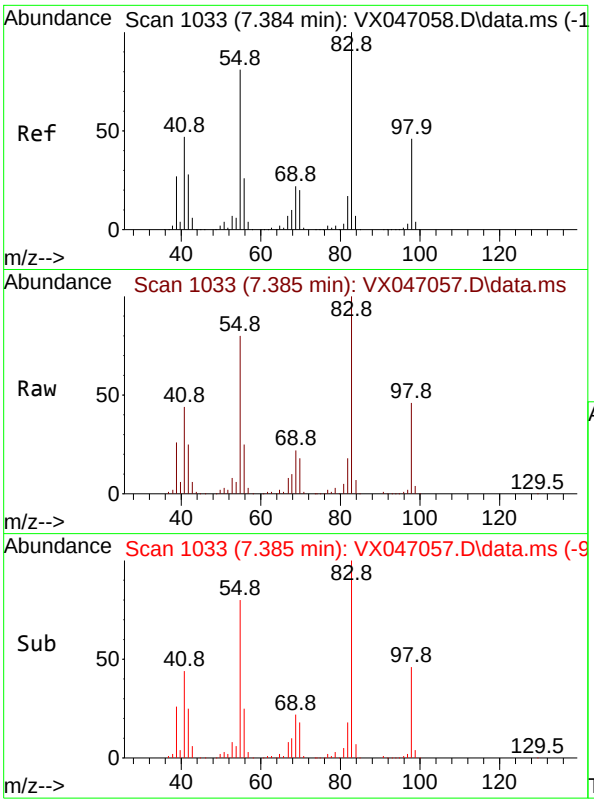


#38
Carbon Tetrachloride
Concen: 20.150 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:117 Resp: 123204

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.6	115.0
121	29.9	24.4	36.6

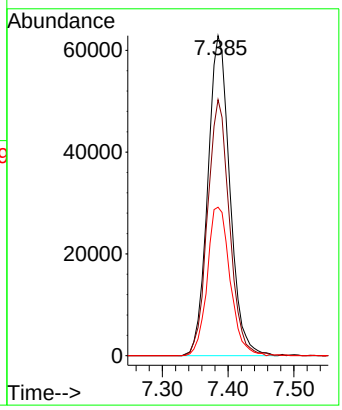




#39
Methylcyclohexane
Concen: 20.519 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 83 Resp: 14676

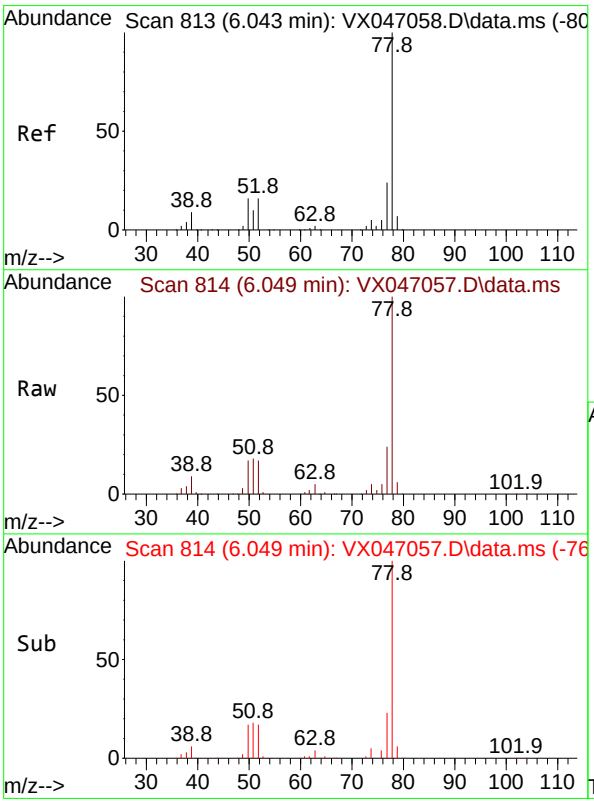
Ion	Ratio	Lower	Upper
83	100		
55	80.0	64.5	96.7
98	46.4	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

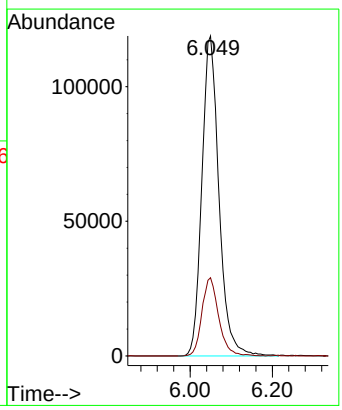
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

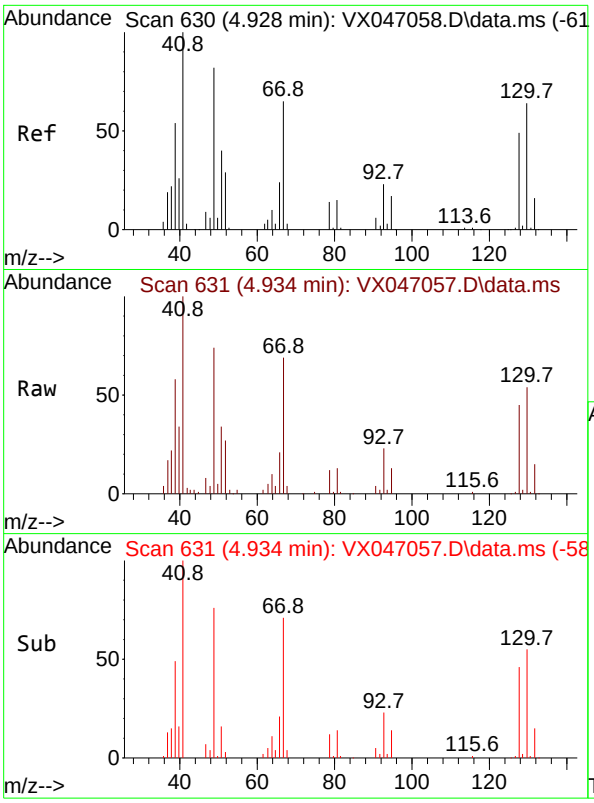


#40
Benzene
Concen: 20.656 ug/l
RT: 6.049 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 78 Resp: 342454

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4

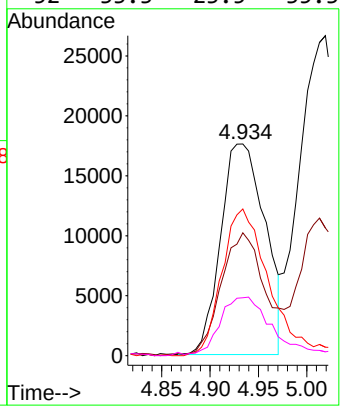




#41
Methacrylonitrile
Concen: 20.350 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 41 Resp: 5616

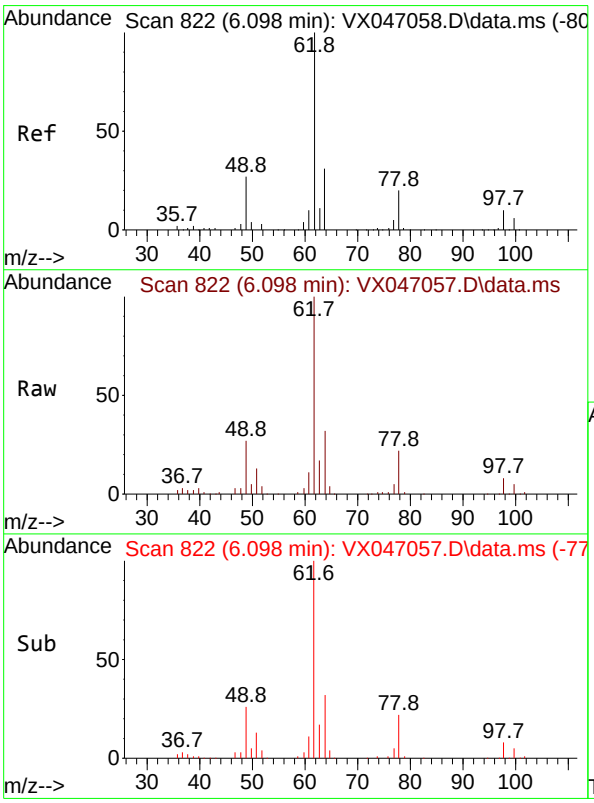
Ion	Ratio	Lower	Upper
41	100		
39	58.8	44.2	66.2
67	74.5	56.4	84.6
52	33.3	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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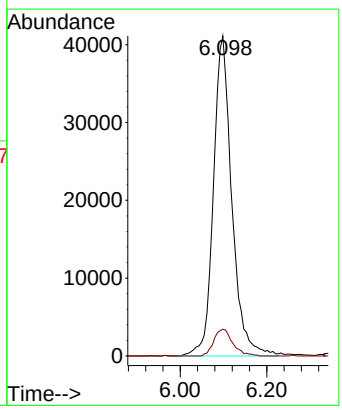
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

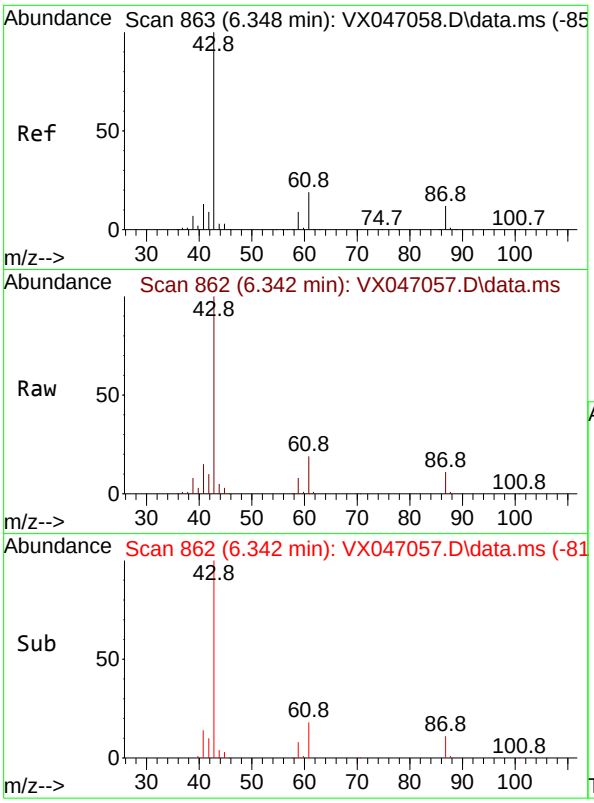


#42
1,2-Dichloroethane
Concen: 20.808 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 62 Resp: 121515

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.8





#43
Isopropyl Acetate
Concen: 20.802 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

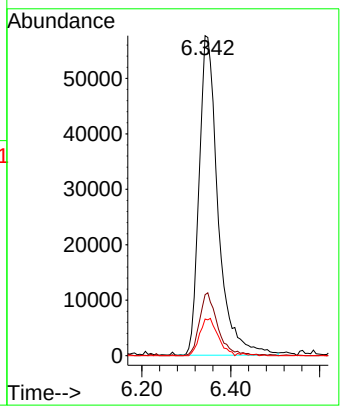
Tgt Ion: 43 Resp: 17118

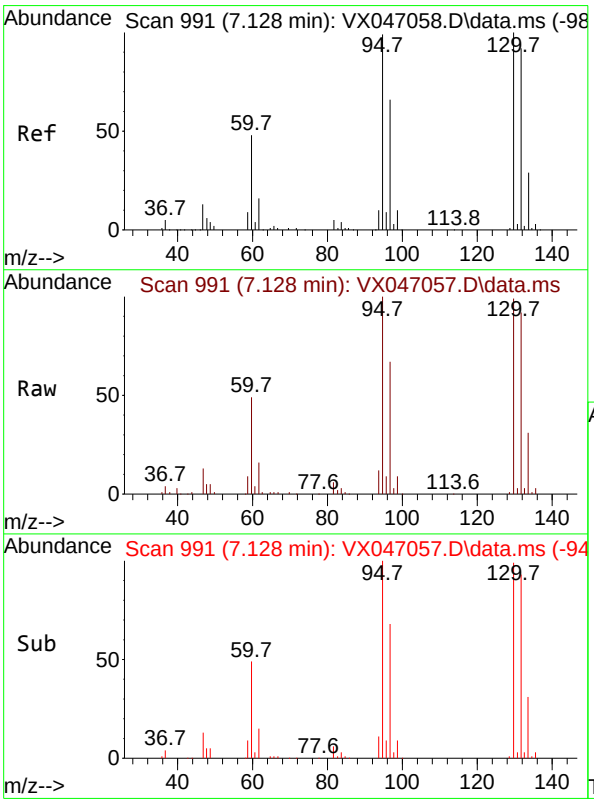
Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.2	9.7	14.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

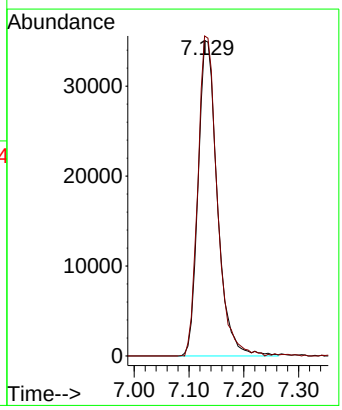


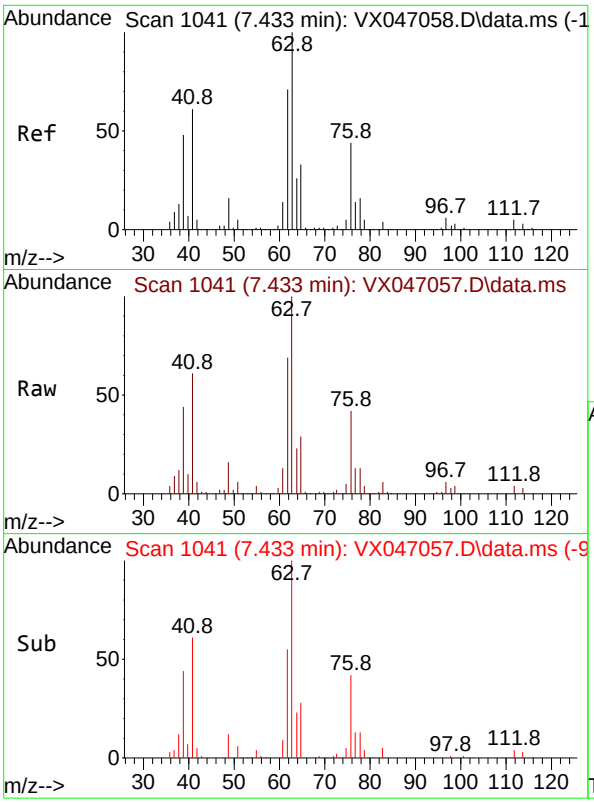


#44
Trichloroethene
Concen: 20.099 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:130 Resp: 85446

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	198.6

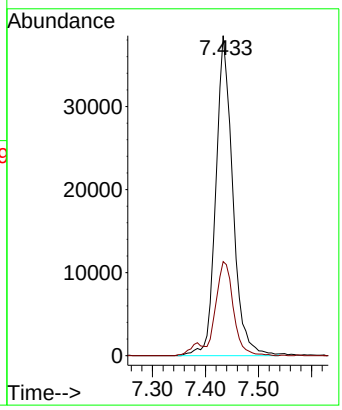




#45
1,2-Dichloropropane
Concen: 20.603 ug/l
RT: 7.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 63 Resp: 8554

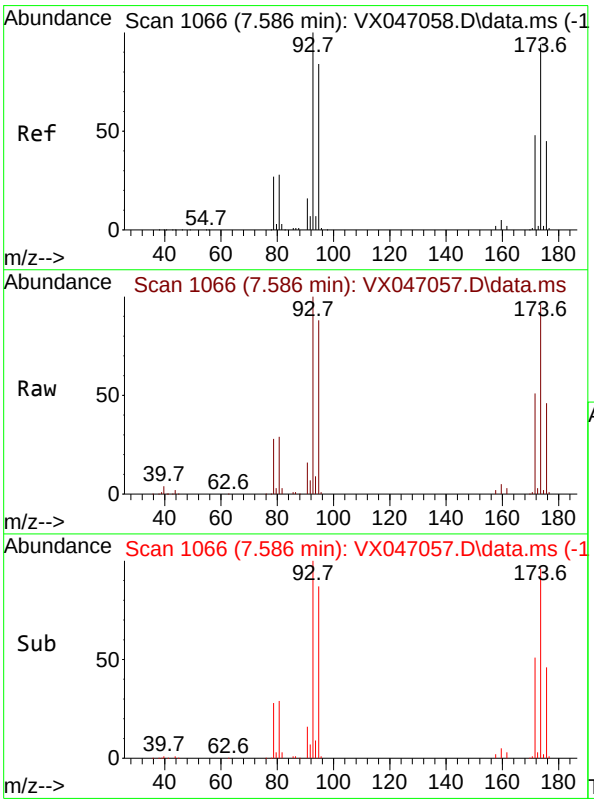
Ion	Ratio	Lower	Upper
63	100		
65	29.4	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

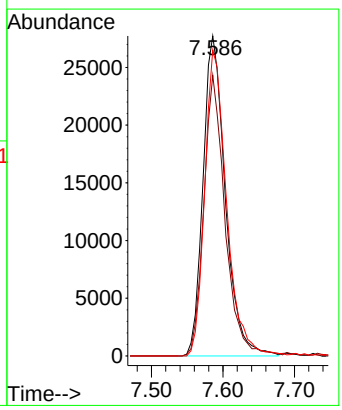
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

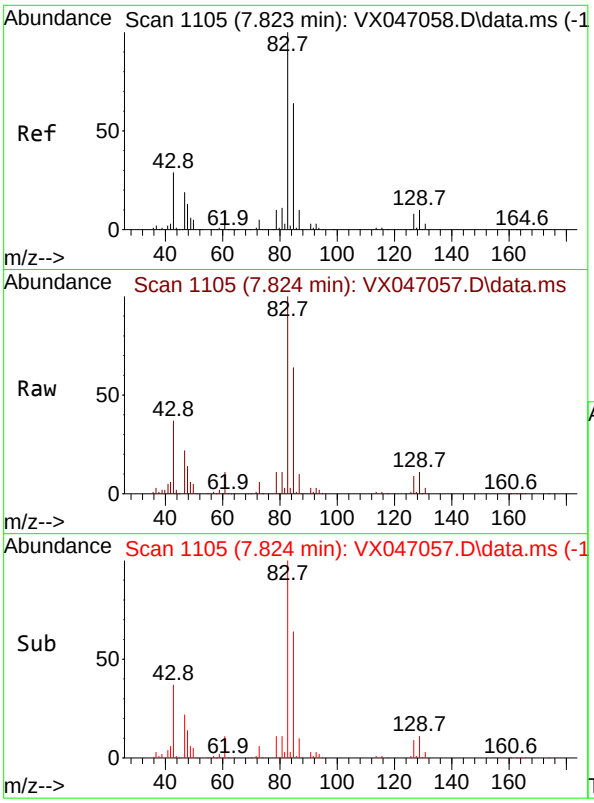


#46
Dibromomethane
Concen: 20.588 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 93 Resp: 59949

Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.9	98.9
174	94.2	74.6	112.0

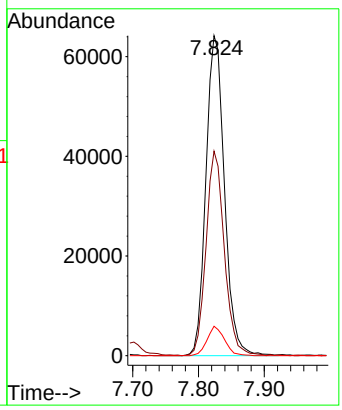




#47
Bromodichloromethane
Concen: 20.345 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 83 Resp: 12609

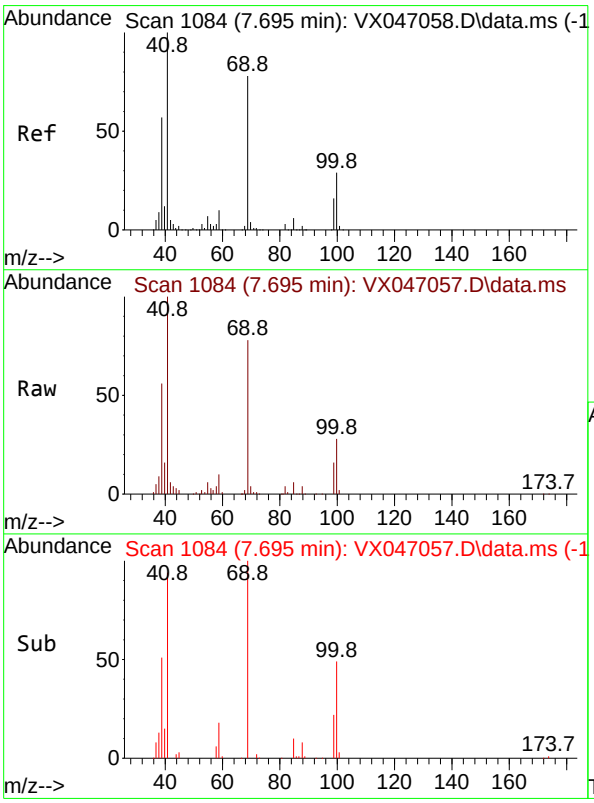
Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.9	74.9
127	9.0	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

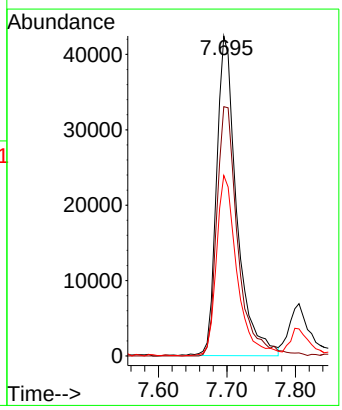
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

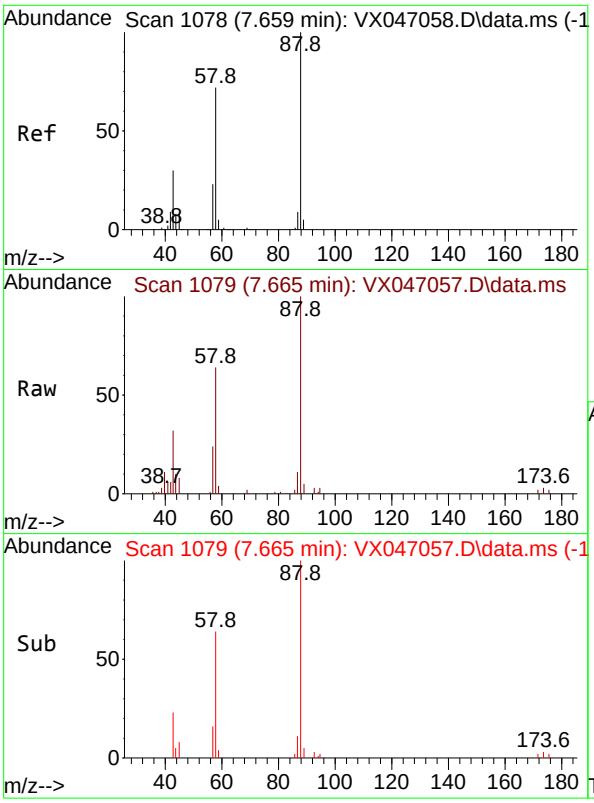


#48
Methyl methacrylate
Concen: 19.269 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 41 Resp: 86386

Ion	Ratio	Lower	Upper
41	100		
69	81.4	62.3	93.5
39	57.8	44.8	67.2

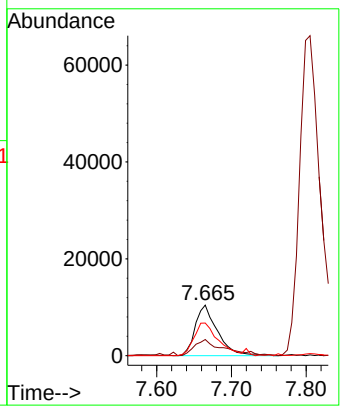




#49
1,4-Dioxane
Concen: 422.133 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 88 Resp: 2152

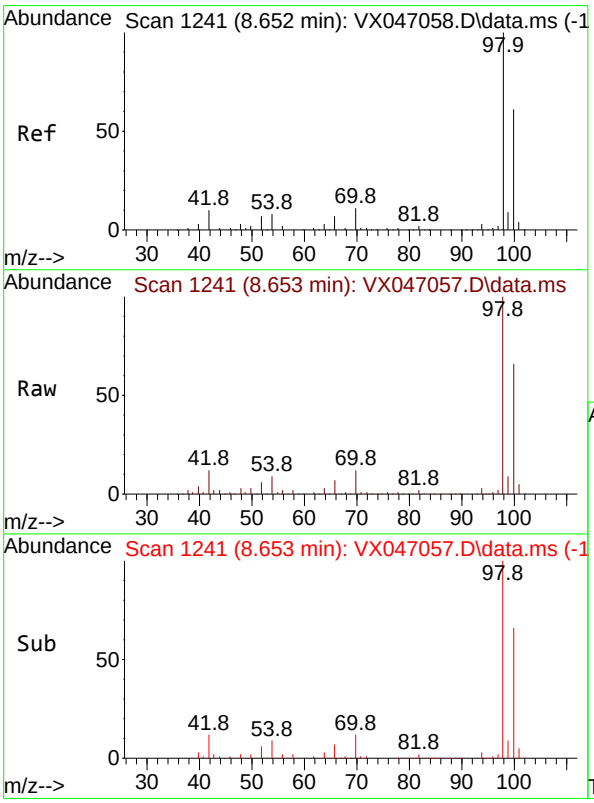
Ion	Ratio	Lower	Upper
88	100		
43	42.4	33.6	50.4
58	69.9	58.8	88.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

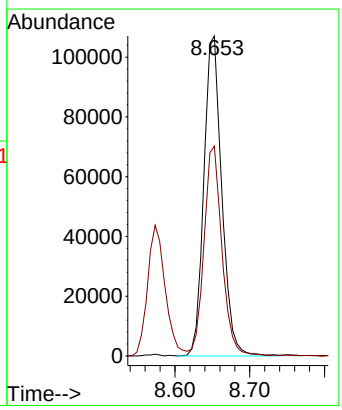
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

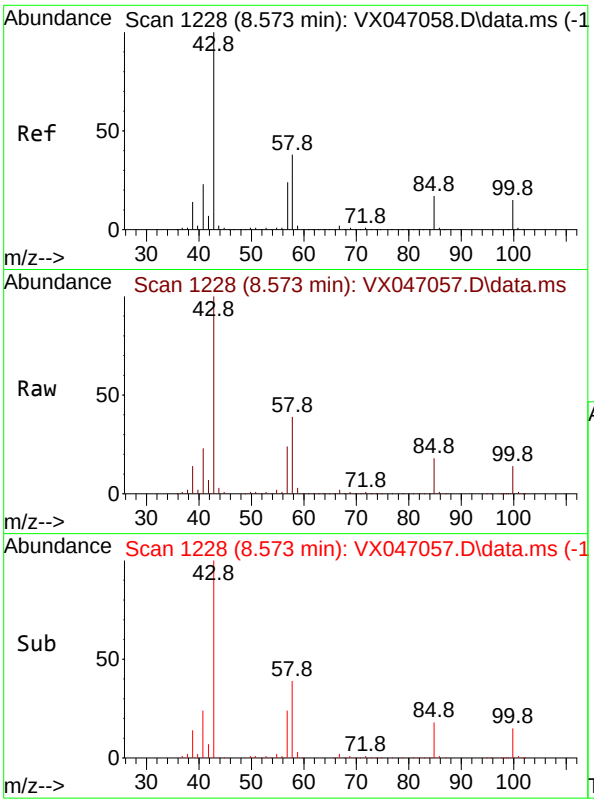


#50
Toluene-d8
Concen: 16.431 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 98 Resp: 178825

Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.3	79.9

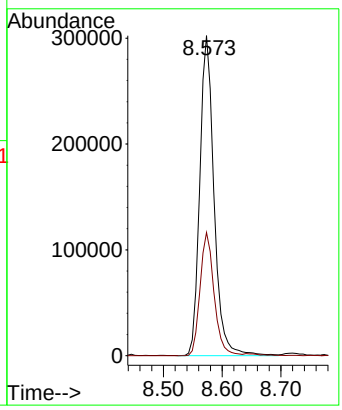




#51
4-Methyl-2-Pentanone
Concen: 104.532 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 43 Resp: 51130

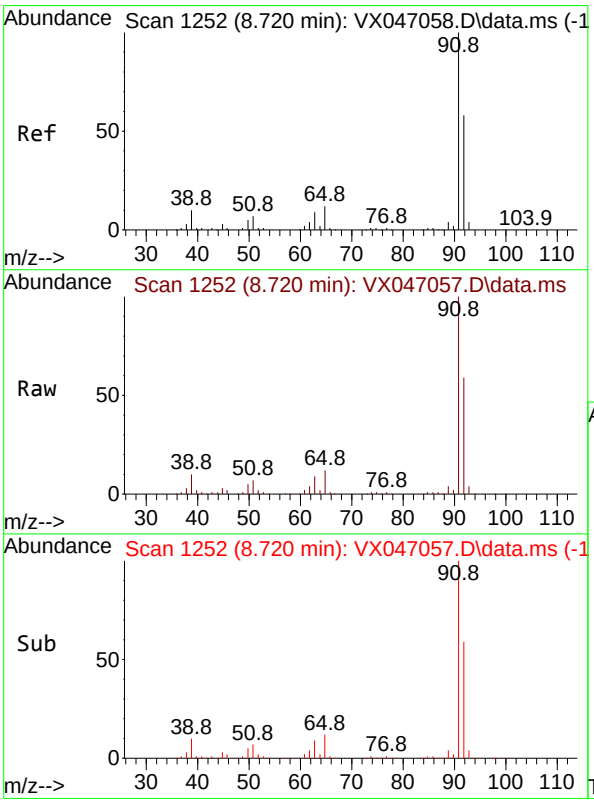
Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

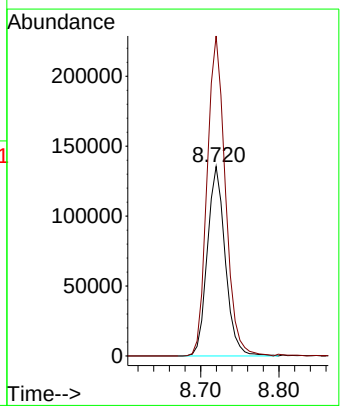
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

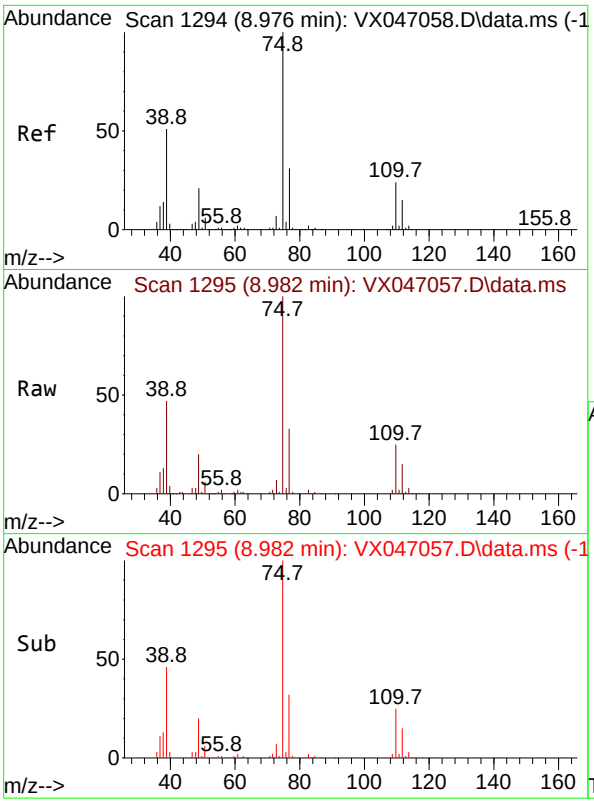


#52
Toluene
Concen: 21.087 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 92 Resp: 214955

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.9	206.9





#53
t-1,3-Dichloropropene
Concen: 20.311 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

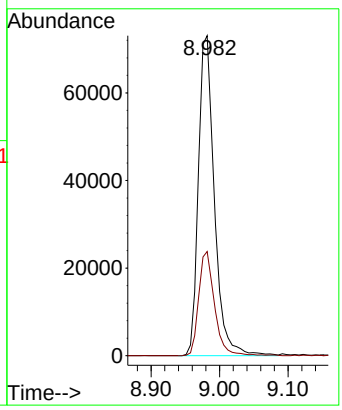
Tgt Ion: 75 Resp: 11887

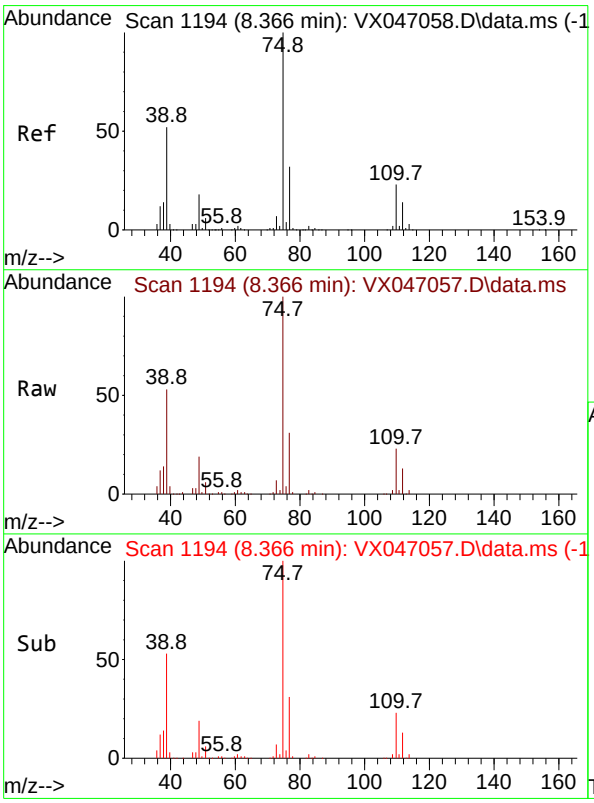
Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

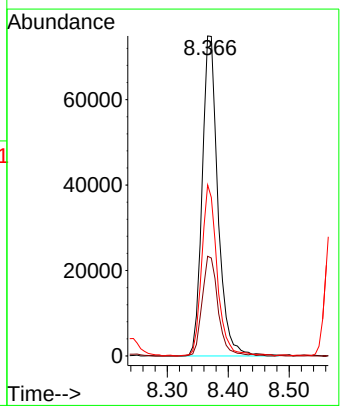


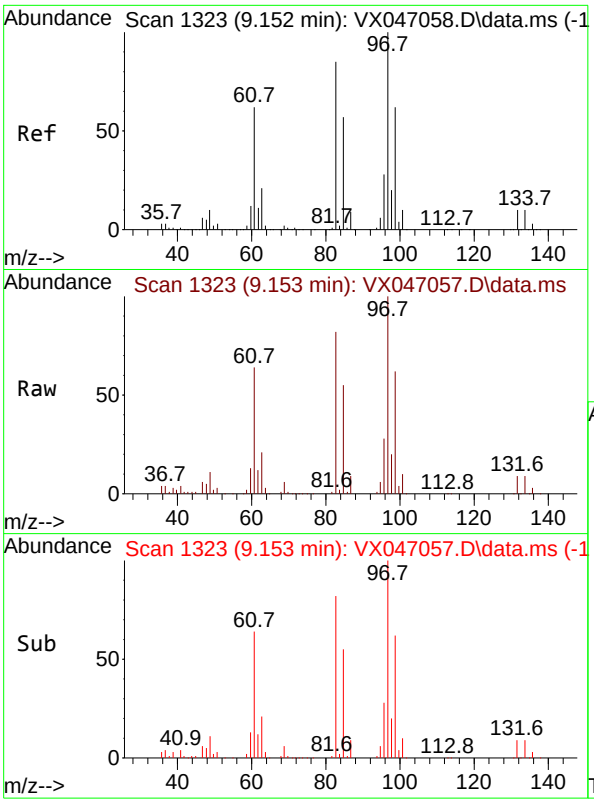


#54
cis-1,3-Dichloropropene
Concen: 21.011 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 75 Resp: 134587

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	53.5	41.8	62.6

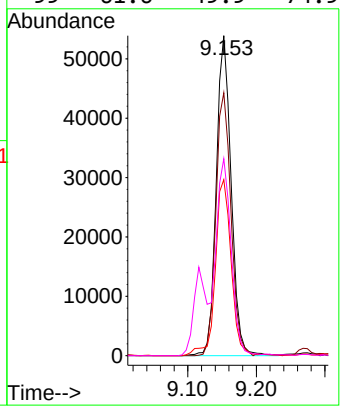




#55
1,1,2-Trichloroethane
Concen: 21.224 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 97 Resp: 8113

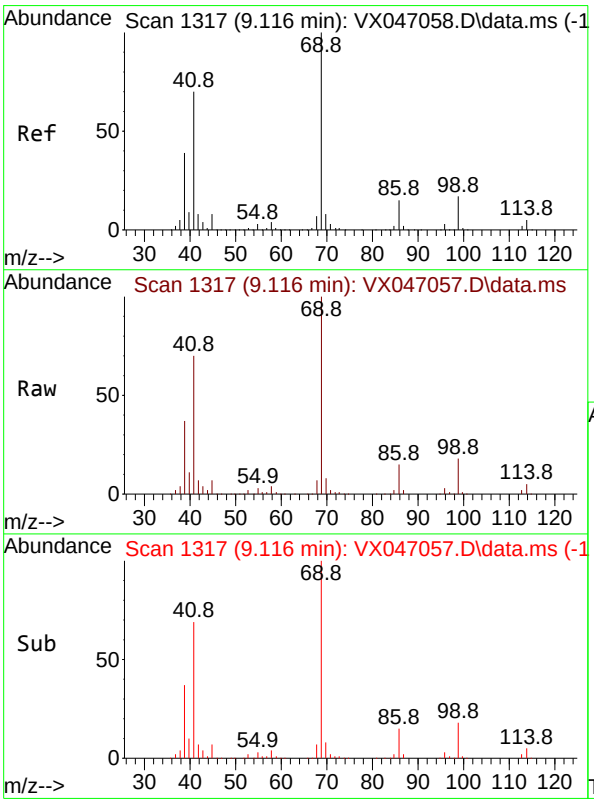
Ion	Ratio	Lower	Upper
97	100		
83	82.2	68.0	102.0
85	55.0	45.2	67.8
99	61.6	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

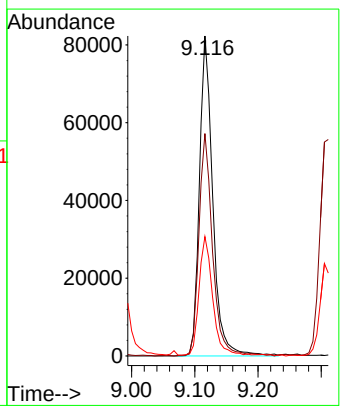
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

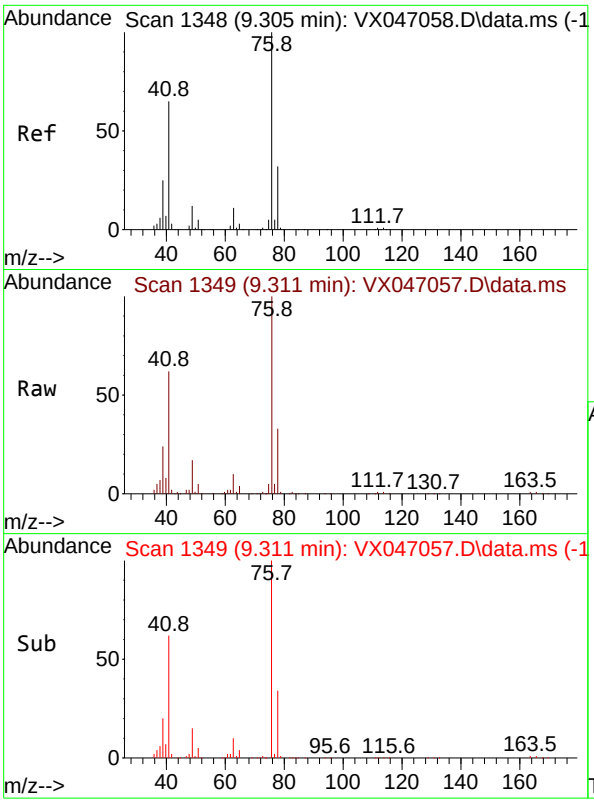


#56
Ethyl methacrylate
Concen: 21.389 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 69 Resp: 121053

Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.1	84.1
39	37.6	31.1	46.7

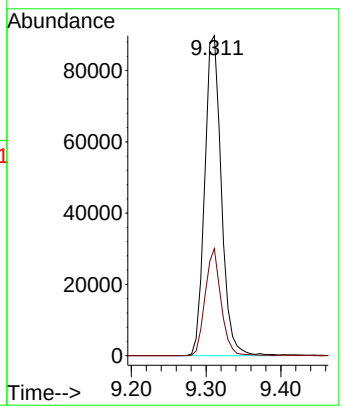




#57
1,3-Dichloropropane
Concen: 20.925 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 76 Resp: 13903

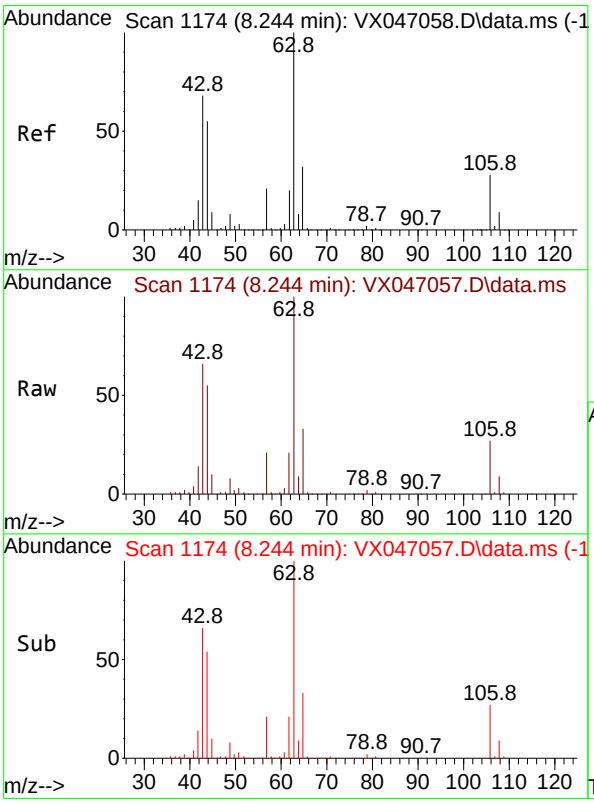
Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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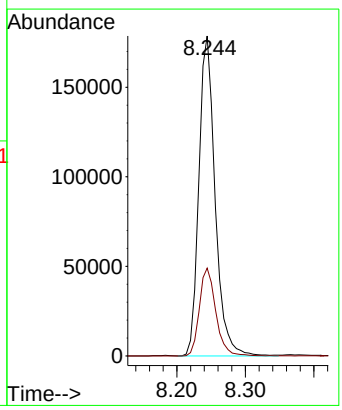
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

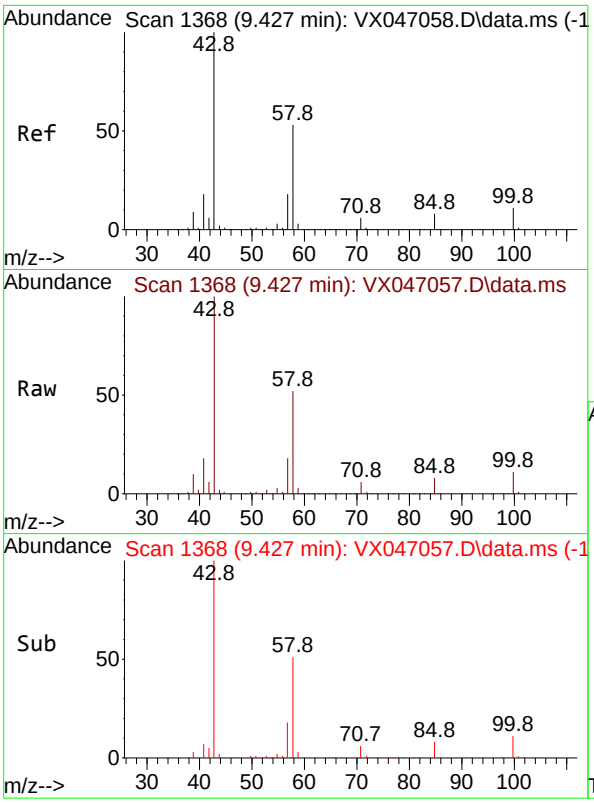


#58
2-Chloroethyl Vinyl ether
Concen: 93.631 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 63 Resp: 294878

Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.2	33.4





#59
2-Hexanone
Concen: 109.015 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

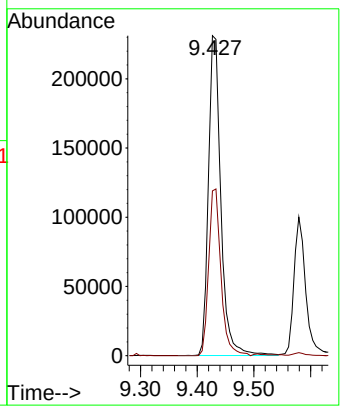
Tgt Ion: 43 Resp: 35229

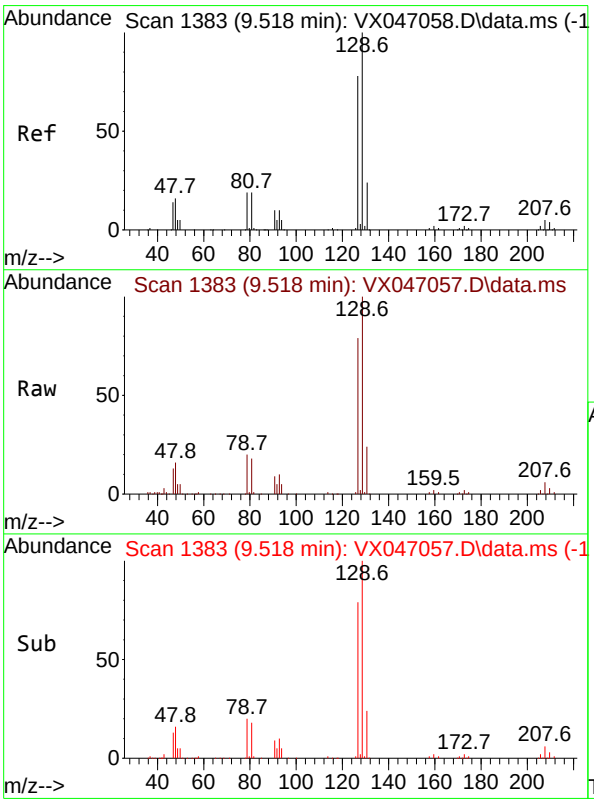
Ion	Ratio	Lower	Upper
43	100		
58	51.2	26.5	79.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

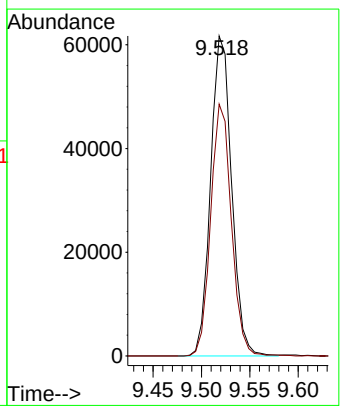


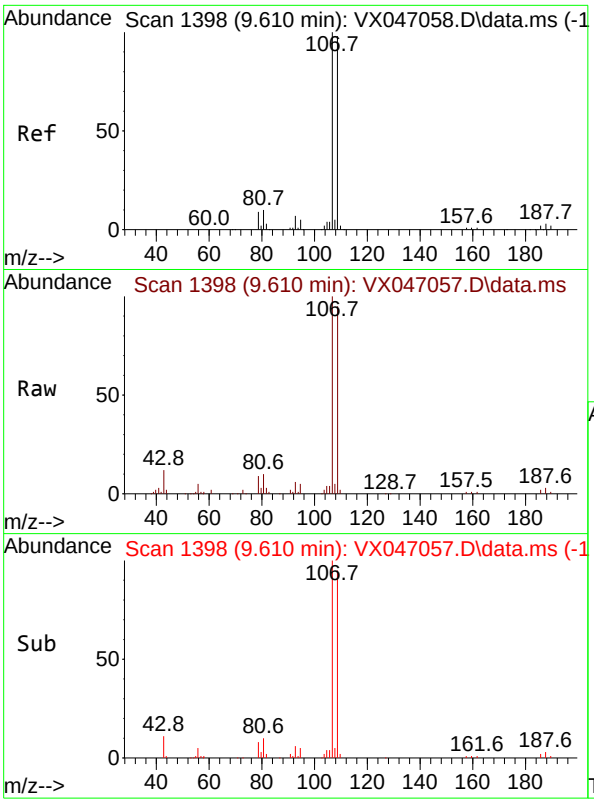


#60
Dibromochloromethane
Concen: 20.779 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:129 Resp: 93165

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8

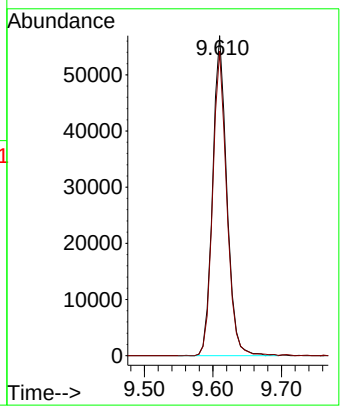




#61
1,2-Dibromoethane
Concen: 20.522 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:107 Resp: 8203

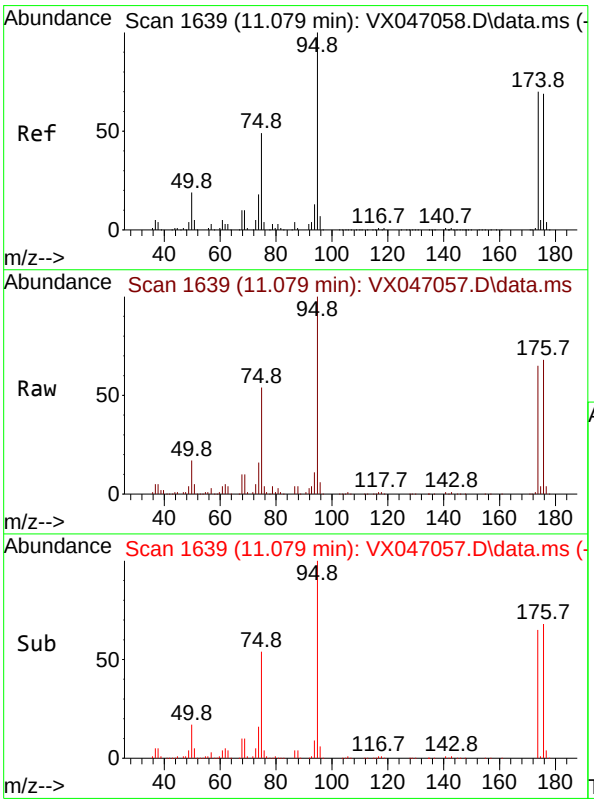
Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

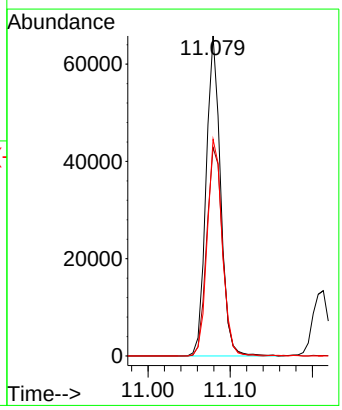
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

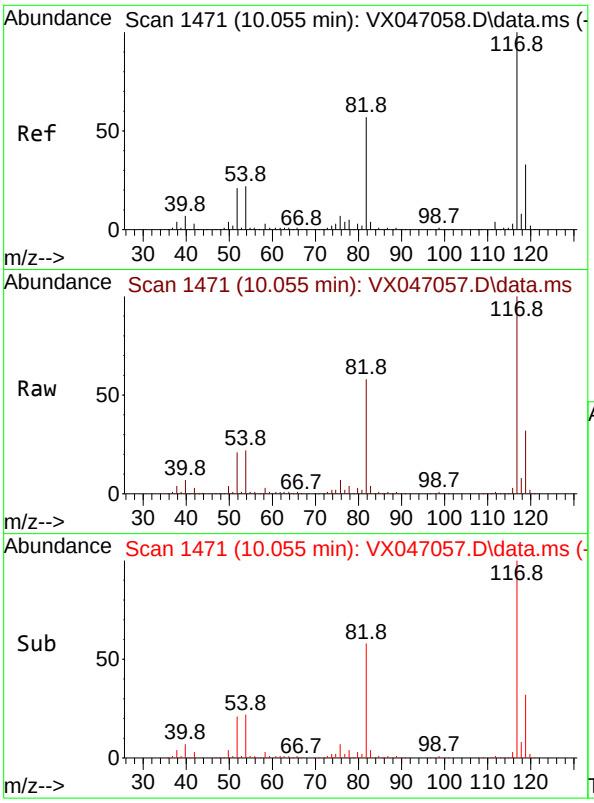


#62
4-Bromofluorobenzene
Concen: 17.133 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 95 Resp: 80359

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	144.6
176	70.0	0.0	139.6

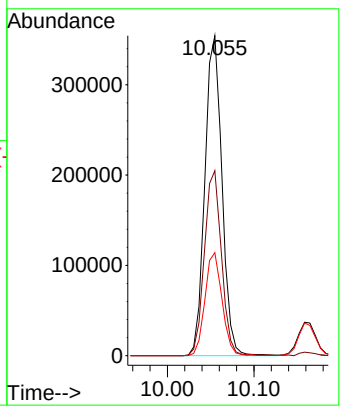




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:117 Resp: 48657

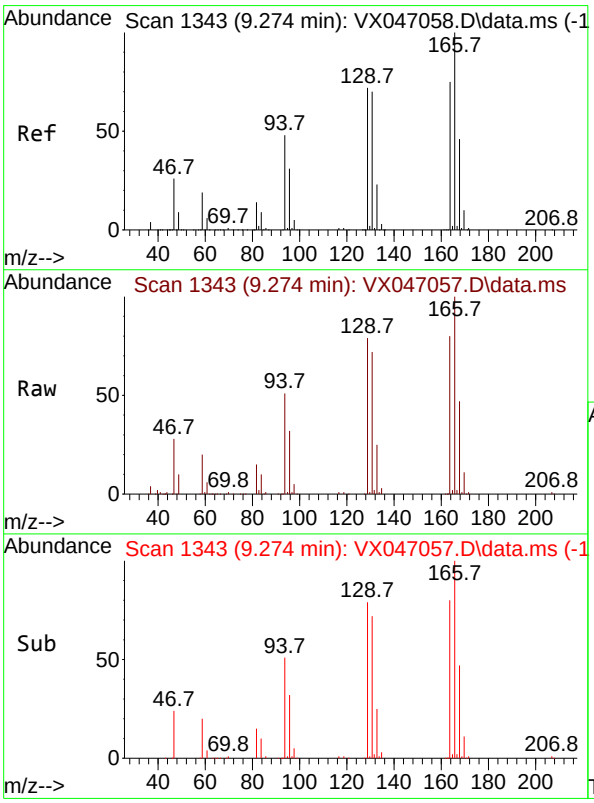
Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.4	68.2
119	32.2	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

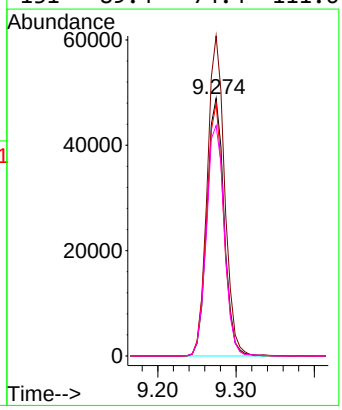
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

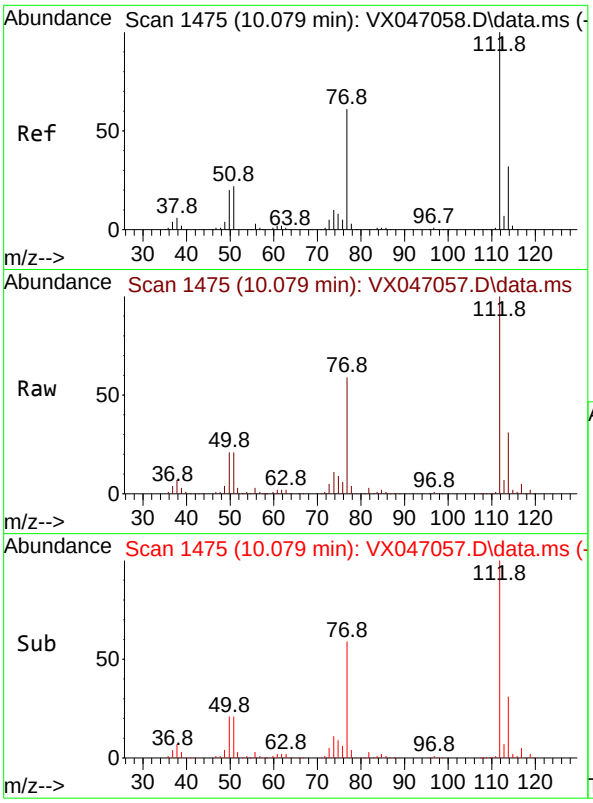


#64
Tetrachloroethene
Concen: 21.147 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:164 Resp: 74177

Ion	Ratio	Lower	Upper
164	100		
166	124.2	106.2	159.4
129	98.0	76.6	114.8
131	89.4	74.4	111.6

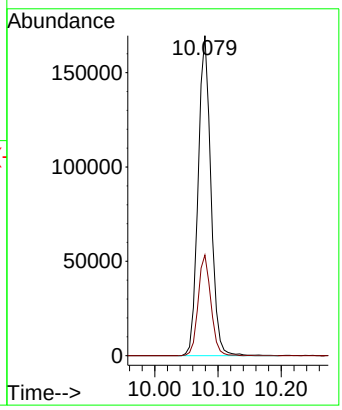




#65
Chlorobenzene
Concen: 20.917 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:112 Resp: 23842

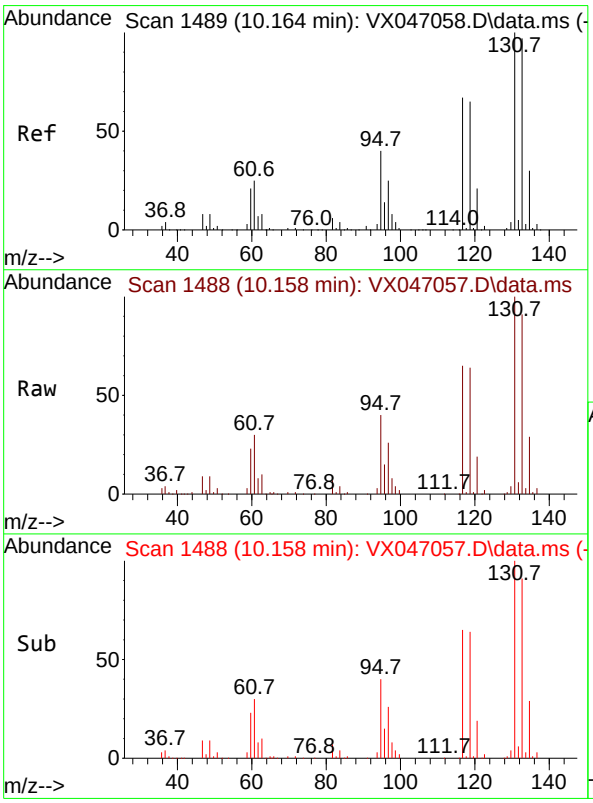
Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

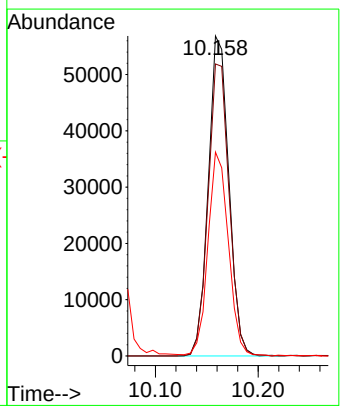
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

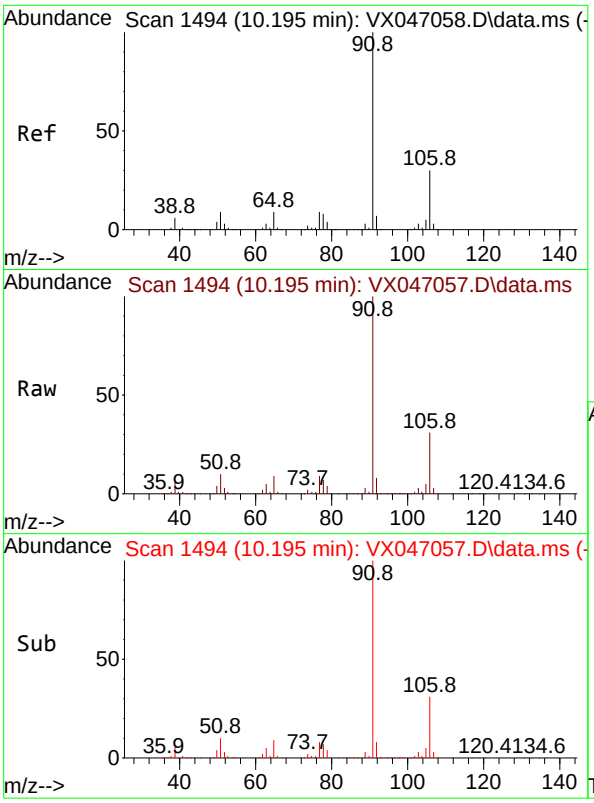


#66
1,1,1,2-Tetrachloroethane
Concen: 20.502 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:131 Resp: 78682

Ion	Ratio	Lower	Upper
131	100		
133	93.9	48.4	145.3
119	63.6	32.4	97.0

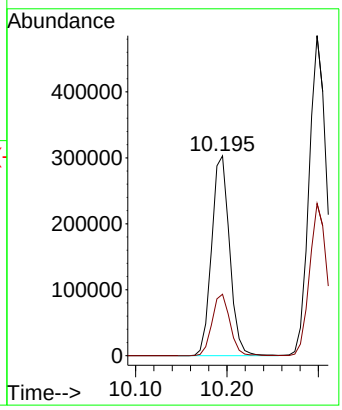




#67
Ethyl Benzene
Concen: 20.693 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 91 Resp: 41241

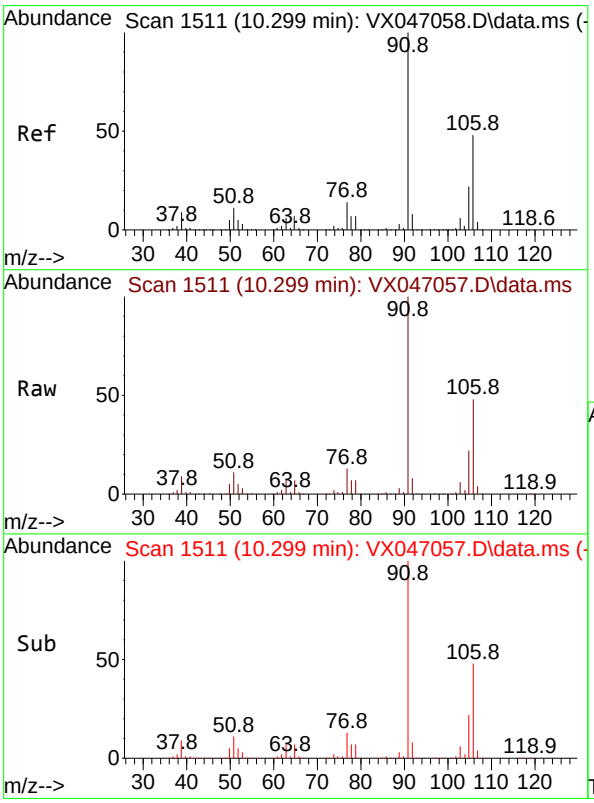
Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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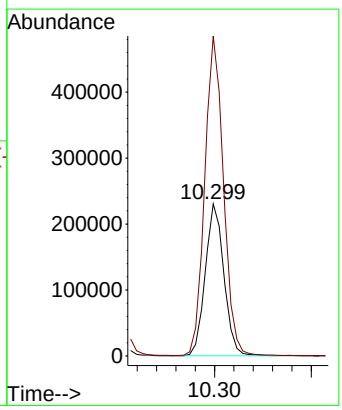
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

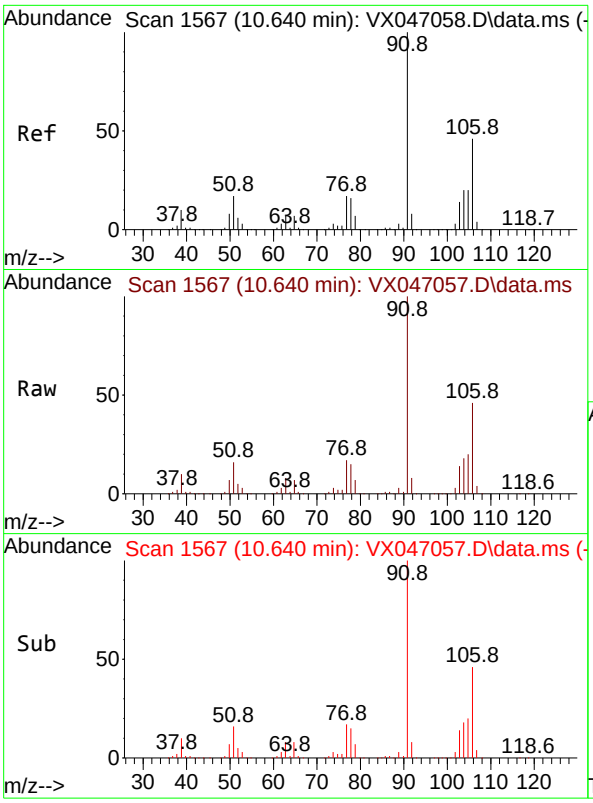


#68
m/p-Xylenes
Concen: 41.478 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:106 Resp: 309353

Ion	Ratio	Lower	Upper
106	100		
91	212.6	167.4	251.0

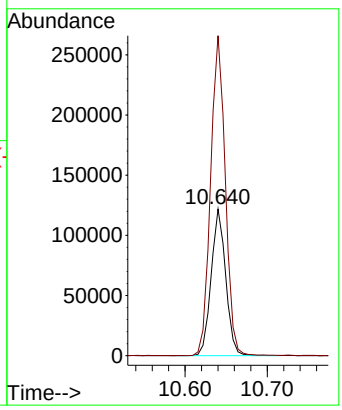




#69
o-Xylene
Concen: 21.083 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:106 Resp: 14959

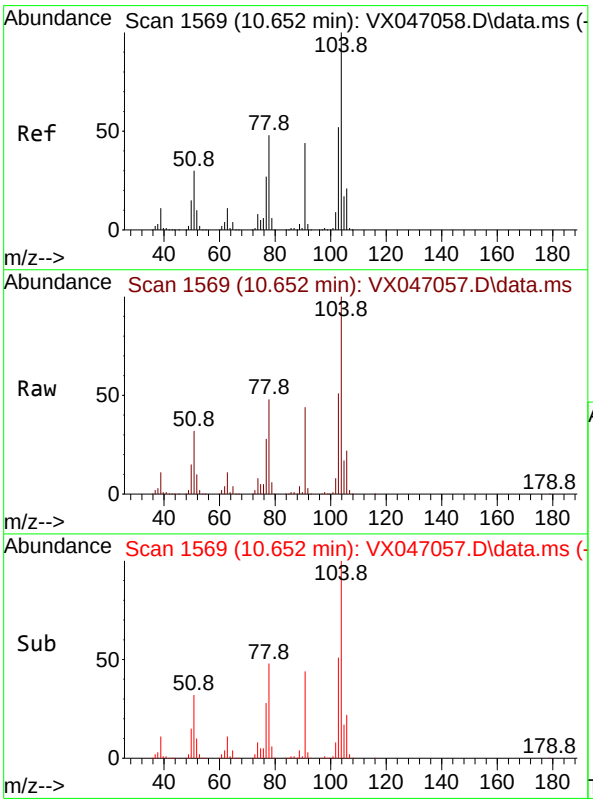
Ion	Ratio	Lower	Upper
106	100		
91	221.0	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

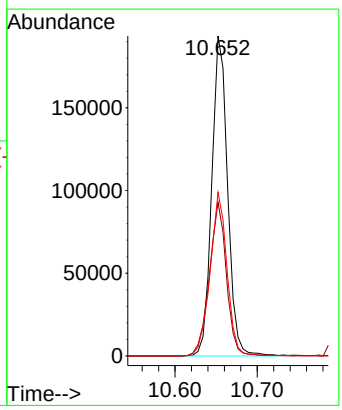
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

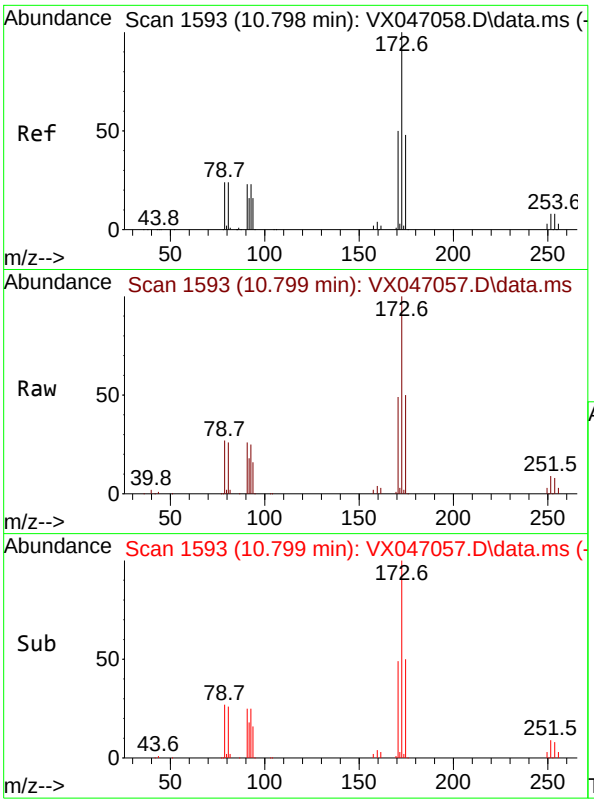


#70
Styrene
Concen: 21.310 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:104 Resp: 259267

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.0	63.0
103	54.6	43.8	65.6





#71
Bromoform
Concen: 20.135 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

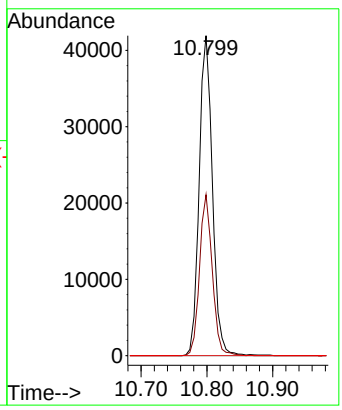
Tgt Ion:173 Resp: 5869

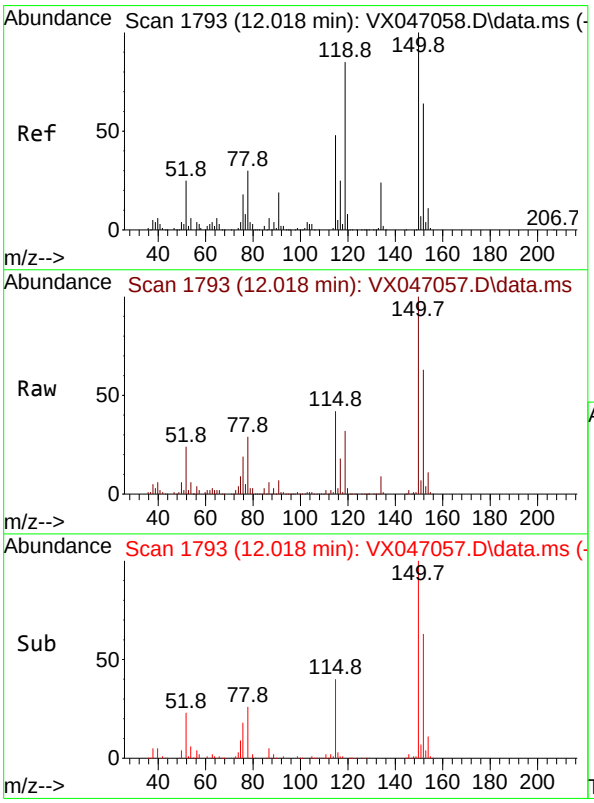
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.0	0.1	0.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

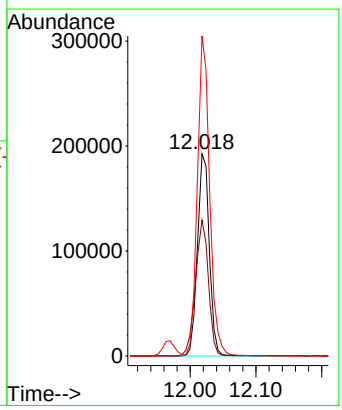


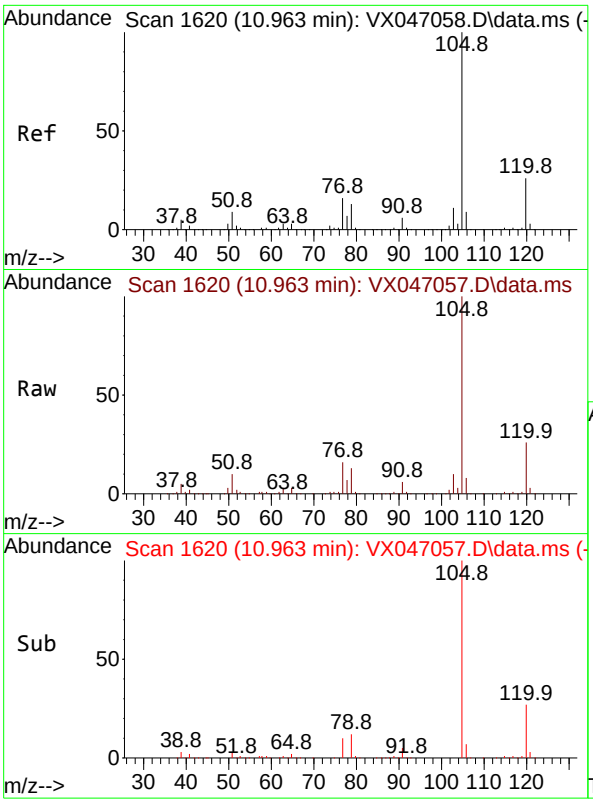


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:152 Resp: 240632

Ion	Ratio	Lower	Upper
152	100		
115	73.2	45.6	136.7
150	163.9	0.0	354.6





#73
Isopropylbenzene
Concen: 21.021 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

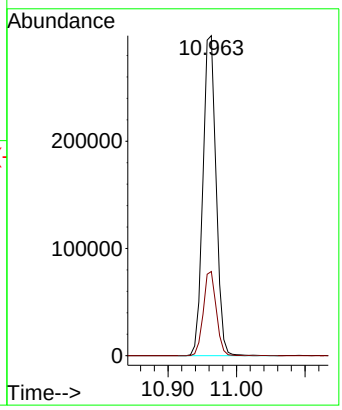
Tgt Ion:105 Resp: 39907

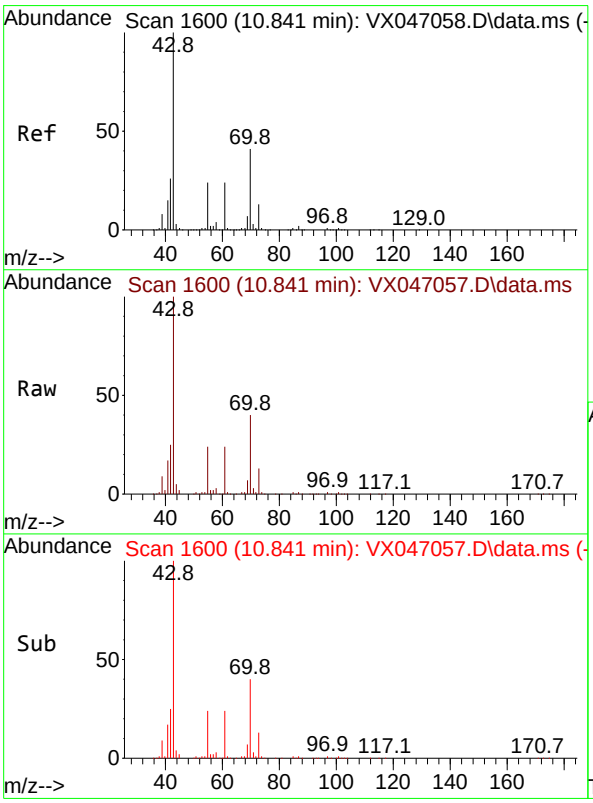
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

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

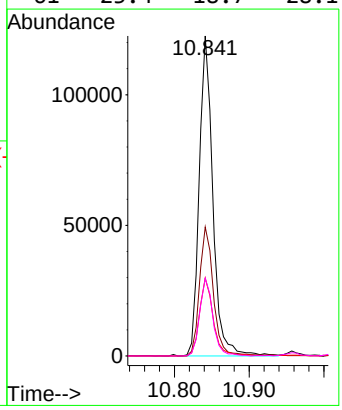


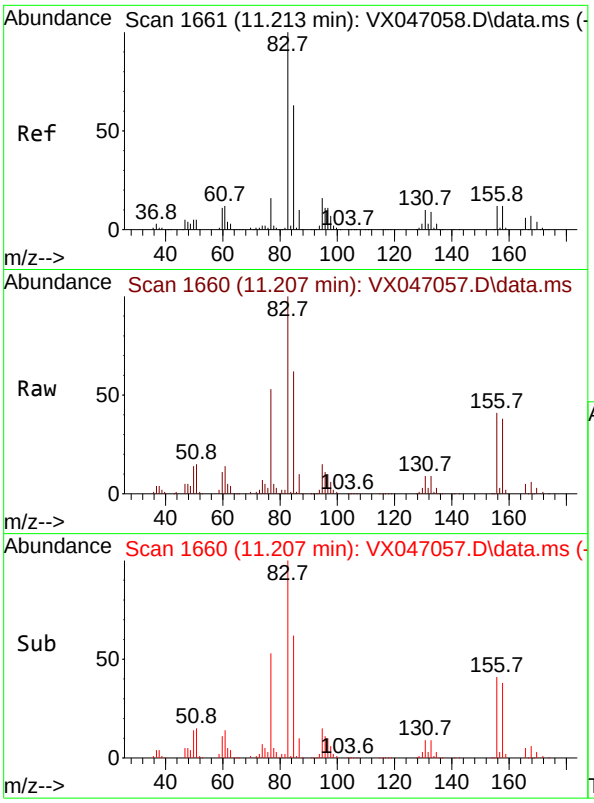


#74
N-amyl acetate
Concen: 20.558 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 43 Resp: 155675

Ion	Ratio	Lower	Upper
43	100		
70	41.1	32.3	48.5
55	24.5	18.9	28.3
61	23.4	18.7	28.1





#75
1,1,2,2-Tetrachloroethane
Concen: 20.975 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

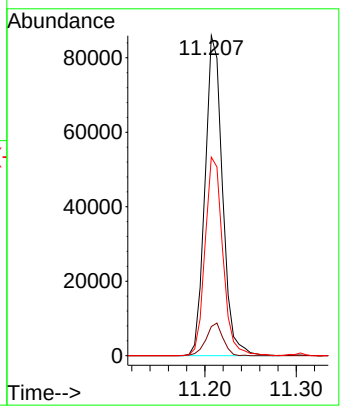
Tgt Ion: 83 Resp: 11374

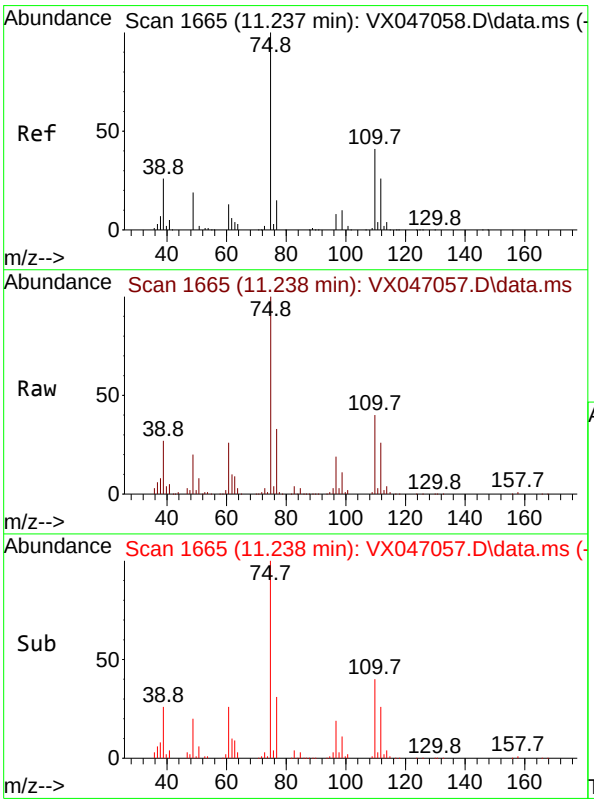
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.1	32.0	96.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

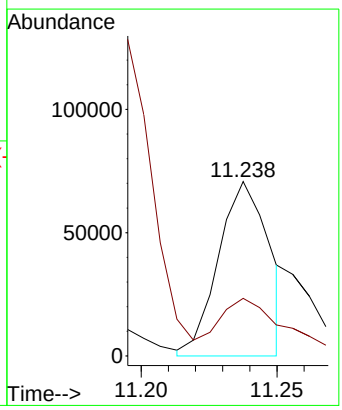


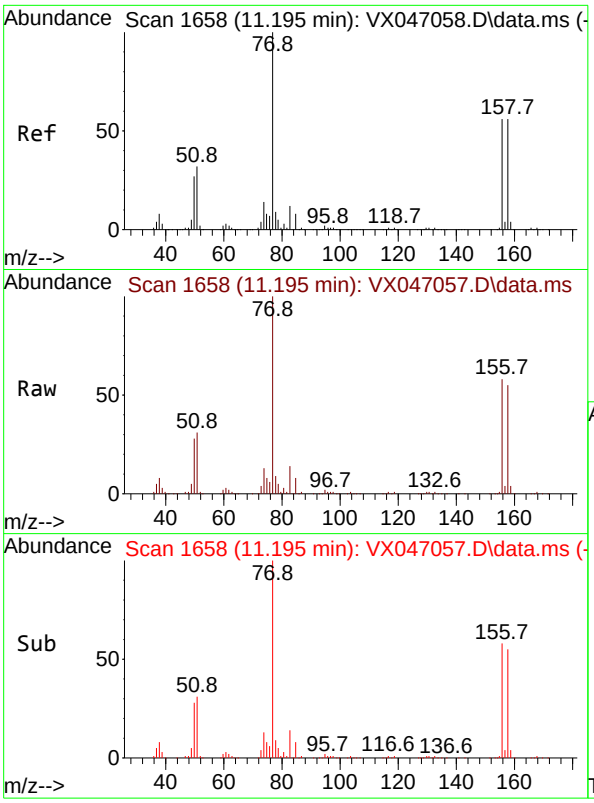


#76
1,2,3-Trichloropropane
Concen: 20.656 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 75 Resp: 92003

Ion	Ratio	Lower	Upper
75	100		
77	43.2	21.6	65.0

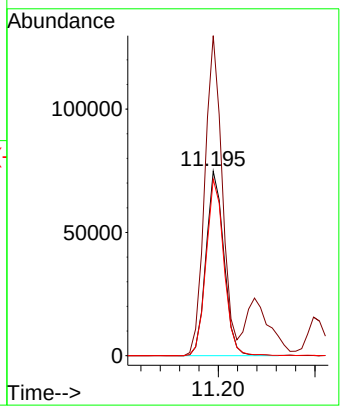




#77
Bromobenzene
Concen: 21.073 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:156 Resp: 9595

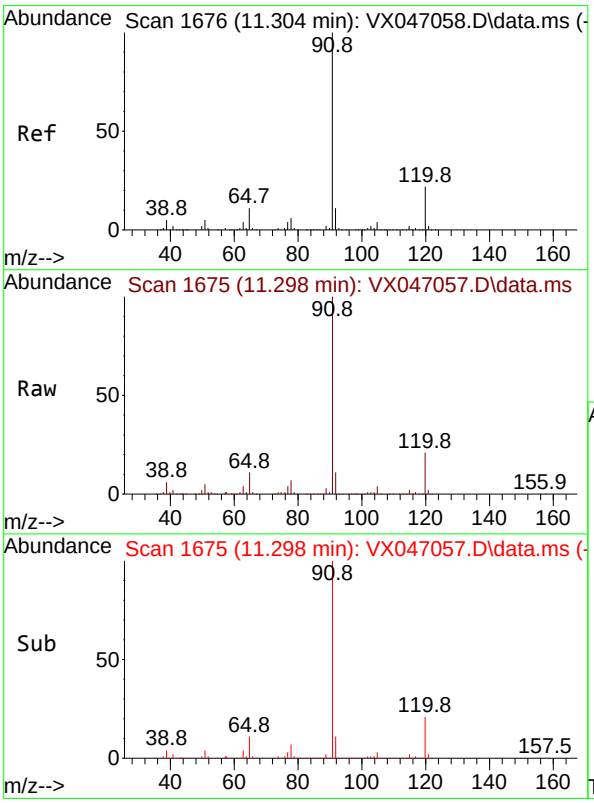
Ion	Ratio	Lower	Upper
156	100		
77	169.8	87.3	261.9
158	95.8	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

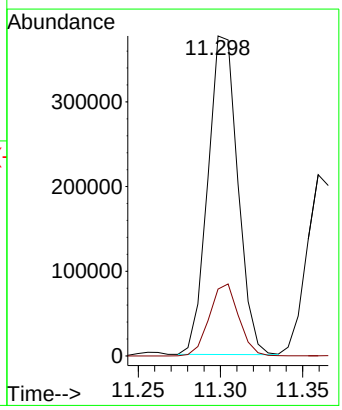
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

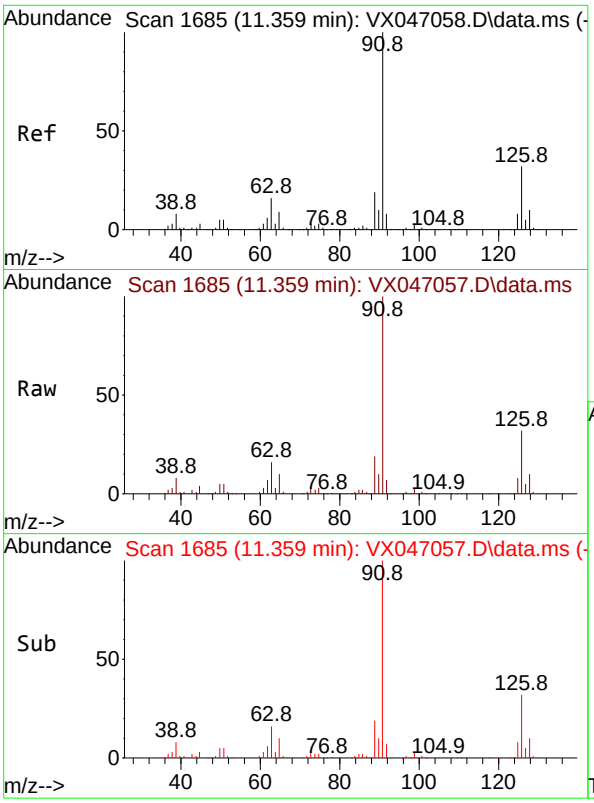


#78
n-propylbenzene
Concen: 20.991 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 91 Resp: 476196

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0

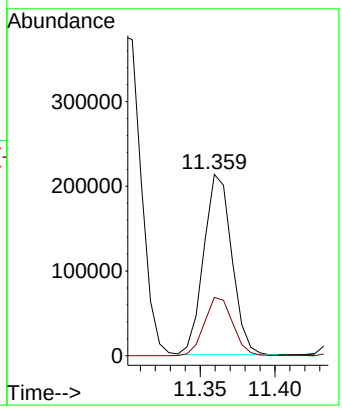




#79
2-Chlorotoluene
Concen: 20.545 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 91 Resp: 27861

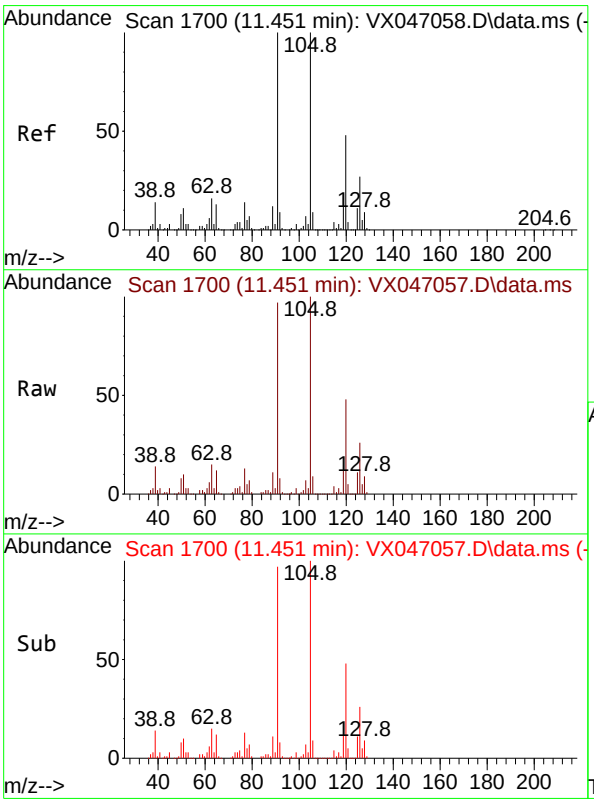
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

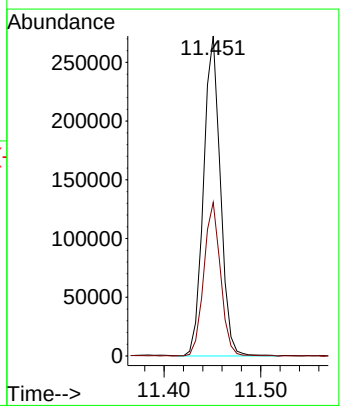
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

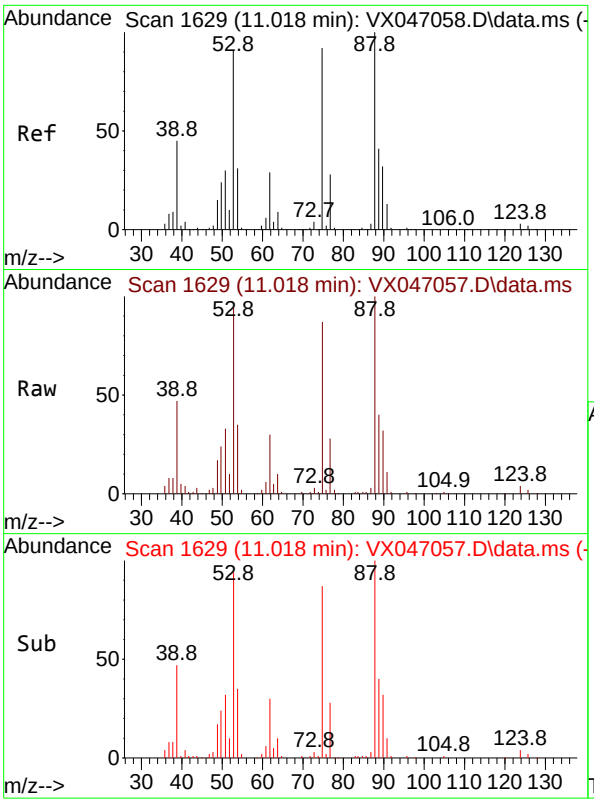


#80
1,3,5-Trimethylbenzene
Concen: 21.093 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:105 Resp: 330824

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.5

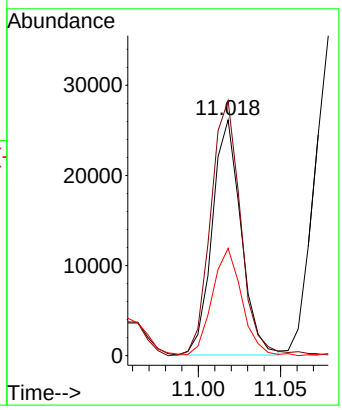




#81
trans-1,4-Dichloro-2-butene
Concen: 18.440 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 75 Resp: 3187

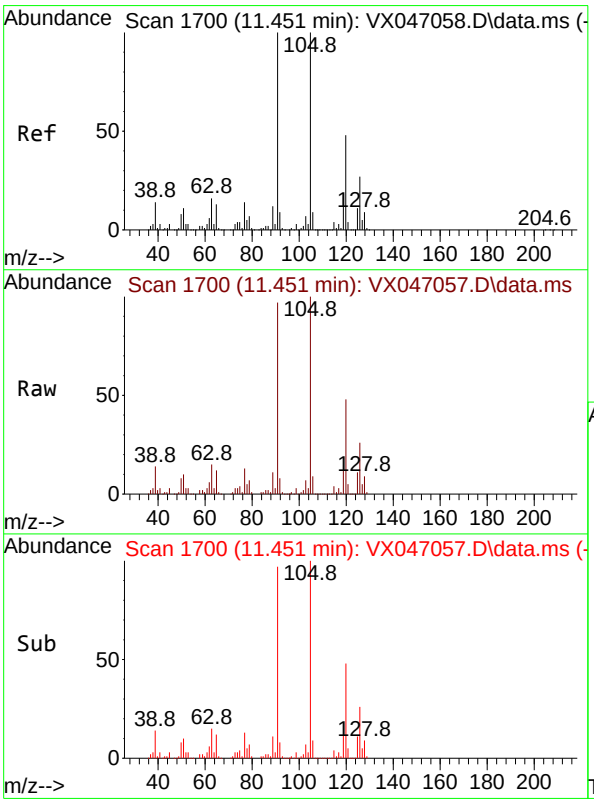
Ion	Ratio	Lower	Upper
75	100		
53	113.5	84.2	126.4
89	46.7	36.0	54.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

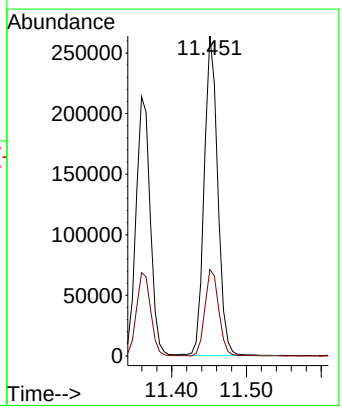
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

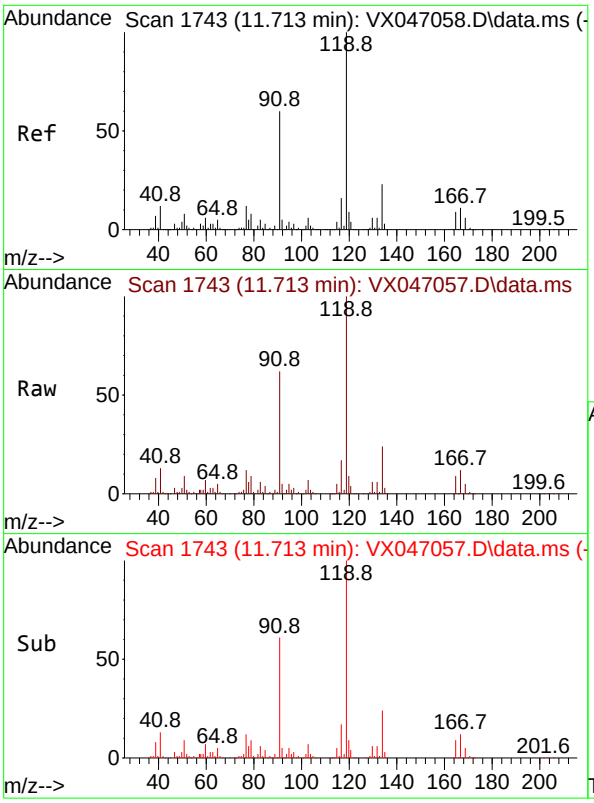


#82
4-Chlorotoluene
Concen: 20.951 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 91 Resp: 331629

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.1	42.3

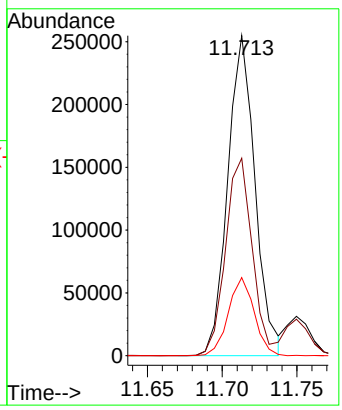




#83
tert-Butylbenzene
Concen: 20.571 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:119 Resp: 323819

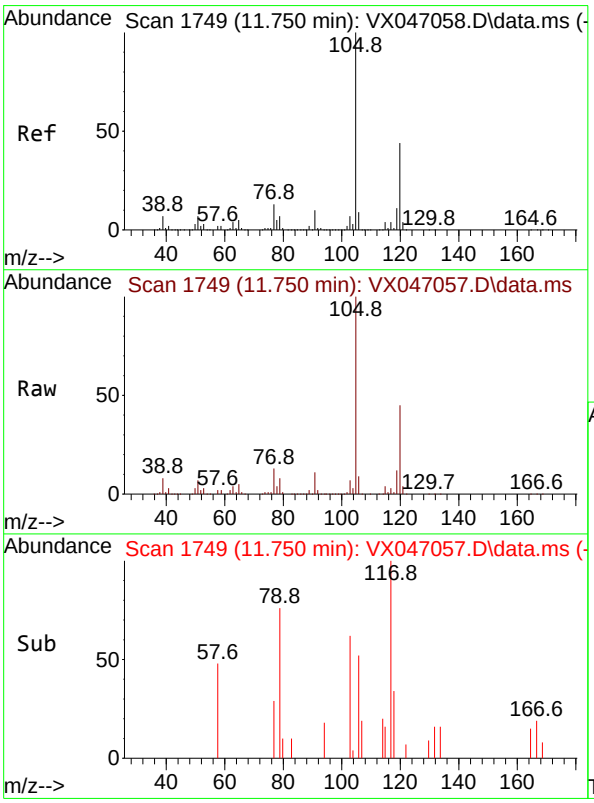
Ion	Ratio	Lower	Upper
119	100		
91	59.9	29.6	88.8
134	23.2	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

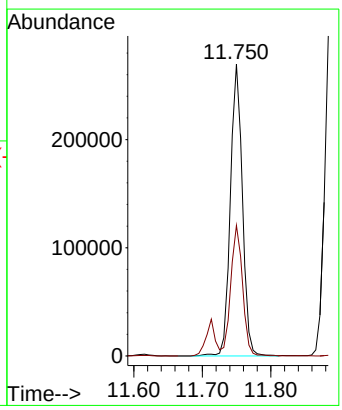
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

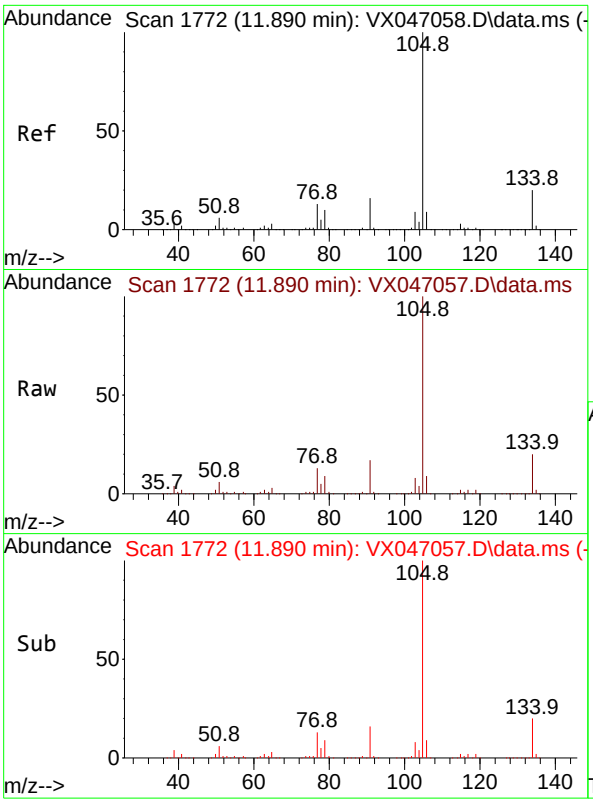


#84
1,2,4-Trimethylbenzene
Concen: 21.010 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:105 Resp: 328672

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.0	66.0

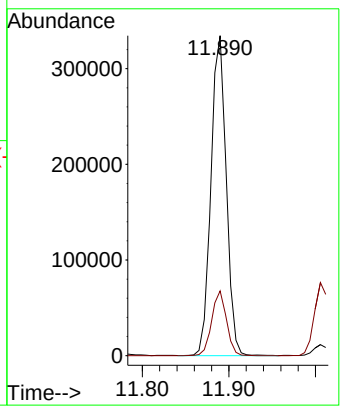




#85
sec-Butylbenzene
Concen: 20.892 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:105 Resp: 41093

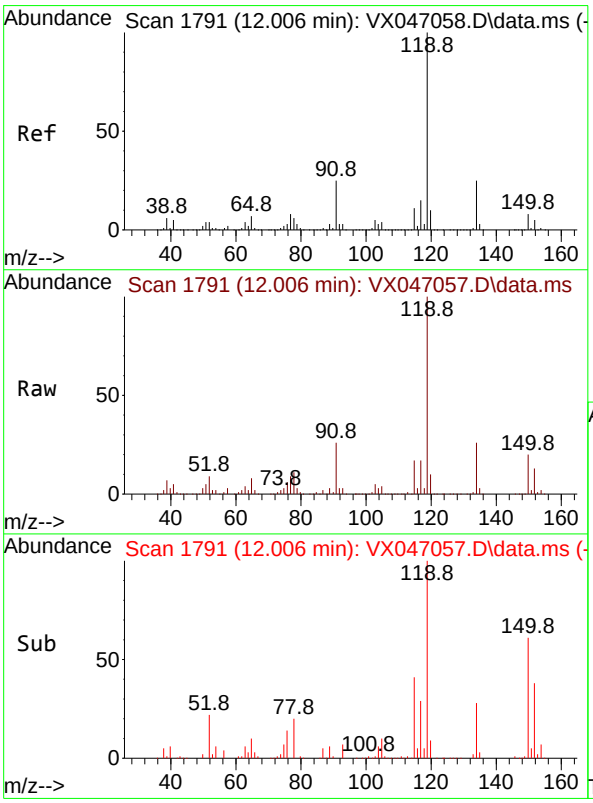
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

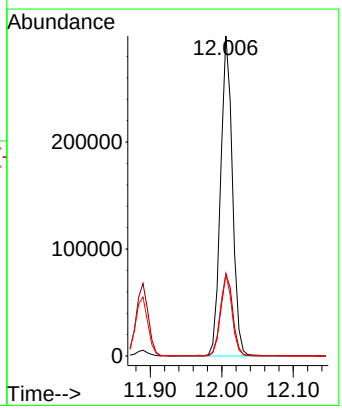
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

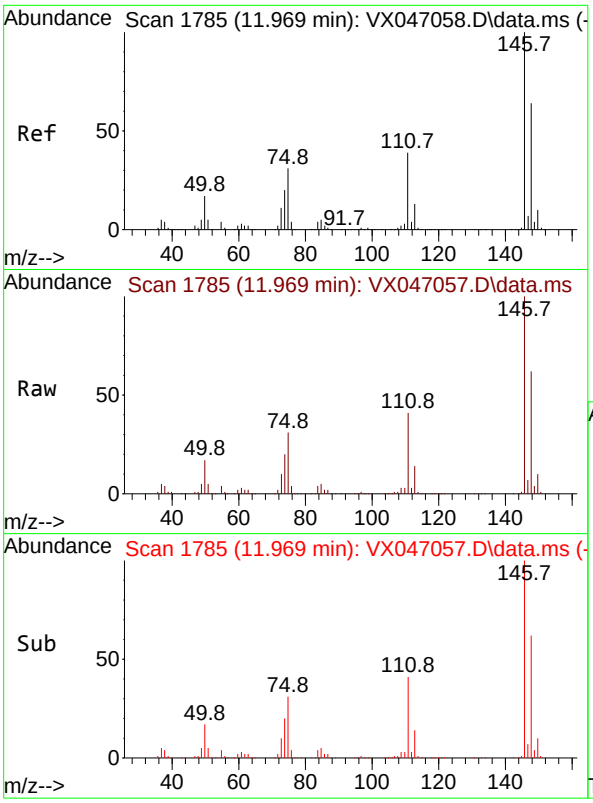


#86
p-Isopropyltoluene
Concen: 21.065 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:119 Resp: 343591

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.8	38.4
91	25.4	12.4	37.4

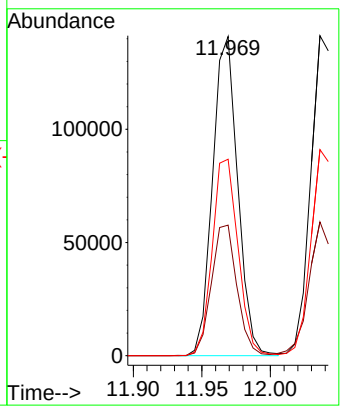




#87
1,3-Dichlorobenzene
Concen: 20.789 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:146 Resp: 17986

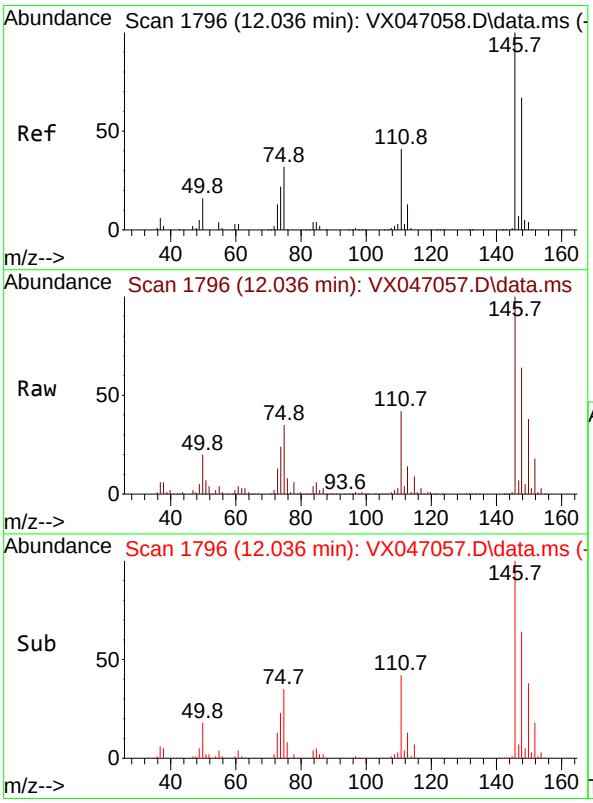
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	63.3	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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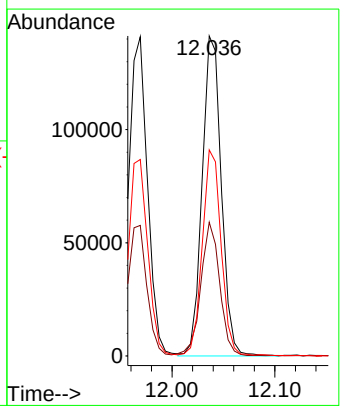
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

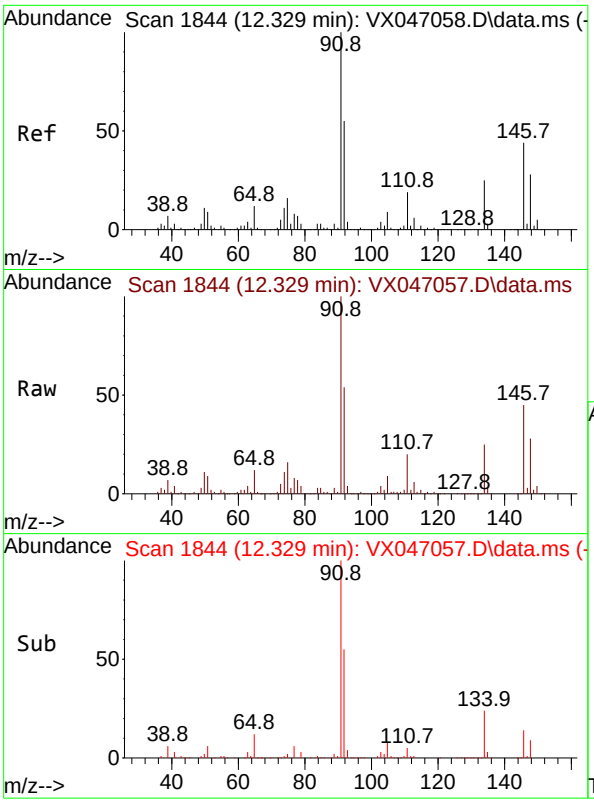


#88
1,4-Dichlorobenzene
Concen: 20.897 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:146 Resp: 183173

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.9
148	63.3	33.0	98.9

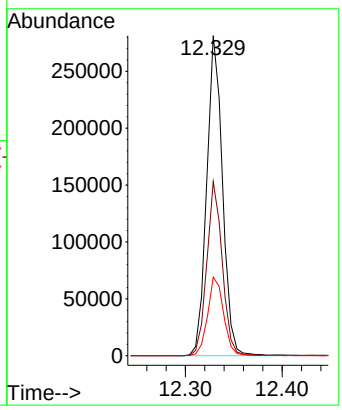




#89
n-Butylbenzene
Concen: 20.916 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 91 Resp: 31994

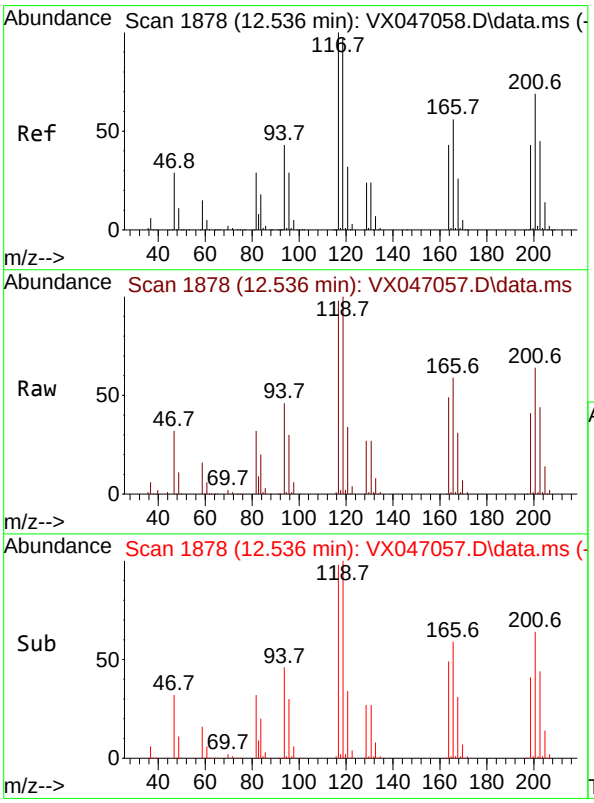
Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.5	82.5
134	25.0	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

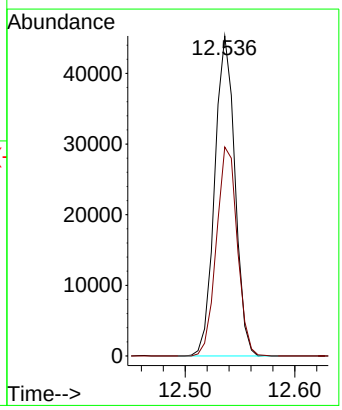
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

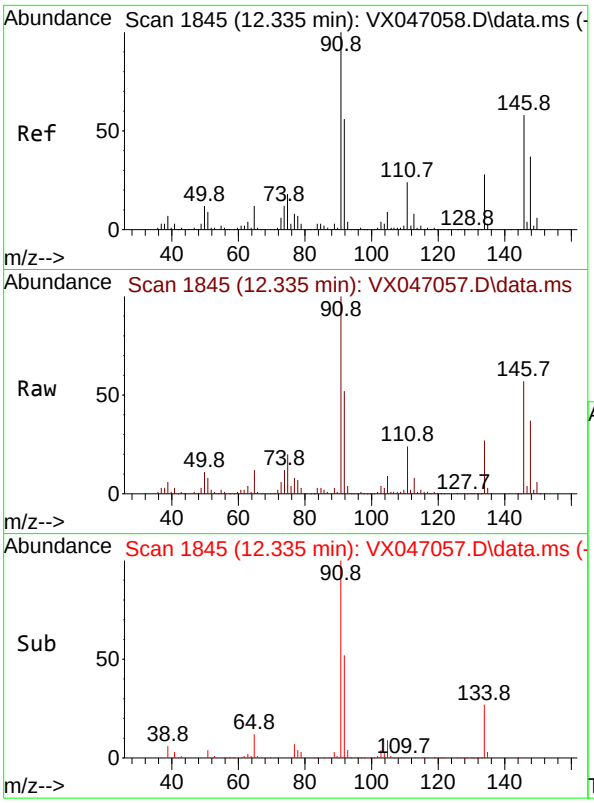


#90
Hexachloroethane
Concen: 19.896 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:117 Resp: 58057

Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.8	104.5

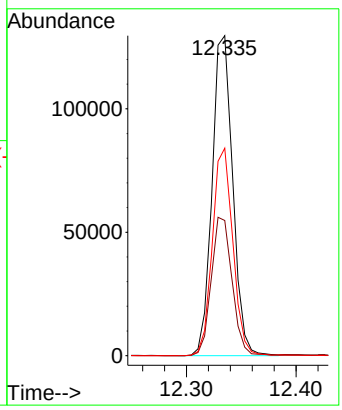




#91
1,2-Dichlorobenzene
Concen: 20.528 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:146 Resp: 16974

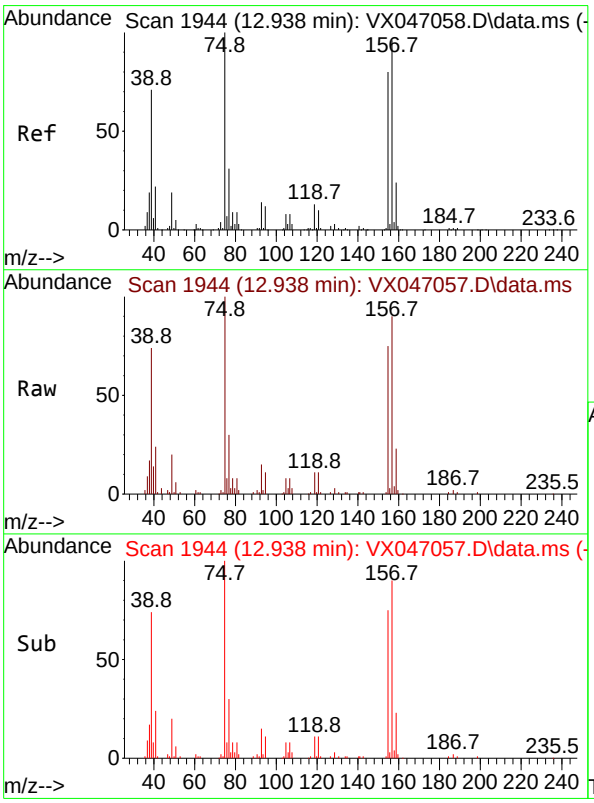
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	64.6
148	64.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations
APPROVED

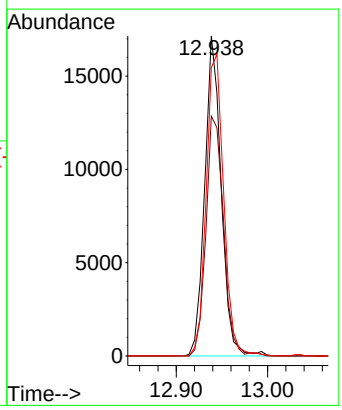
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

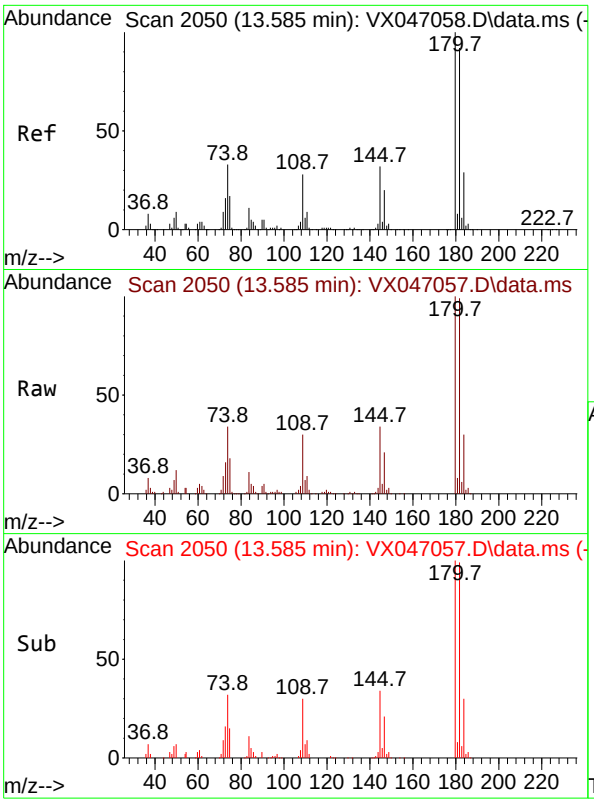


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.585 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 75 Resp: 21427

Ion	Ratio	Lower	Upper
75	100		
155	79.9	41.3	124.1
157	99.9	52.8	158.3

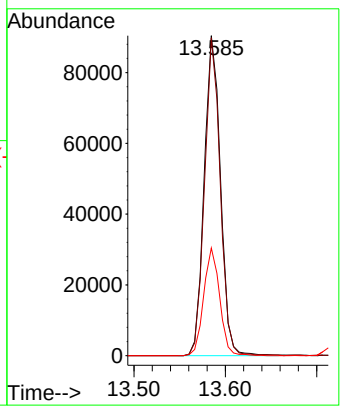




#93
1,2,4-Trichlorobenzene
Concen: 20.413 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:180 Resp: 11152

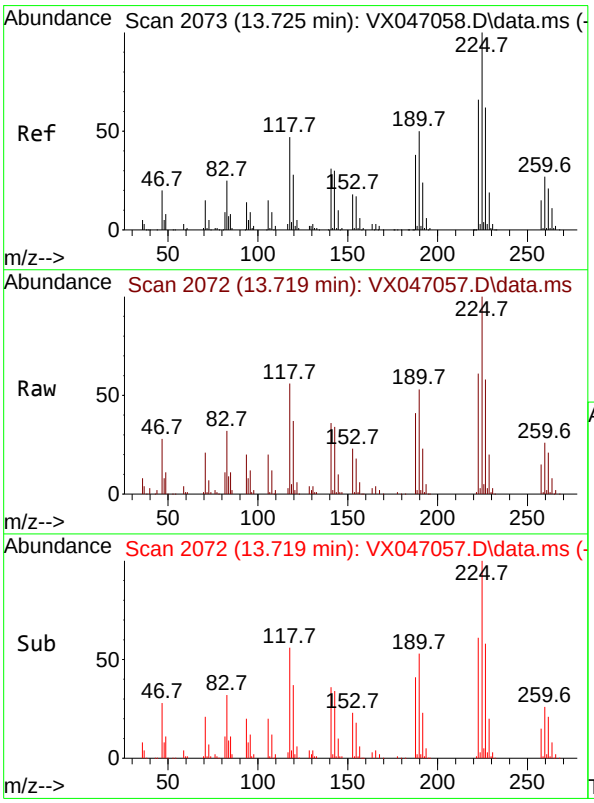
Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.8
145	33.0	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

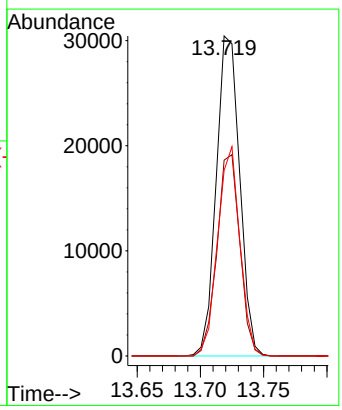
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

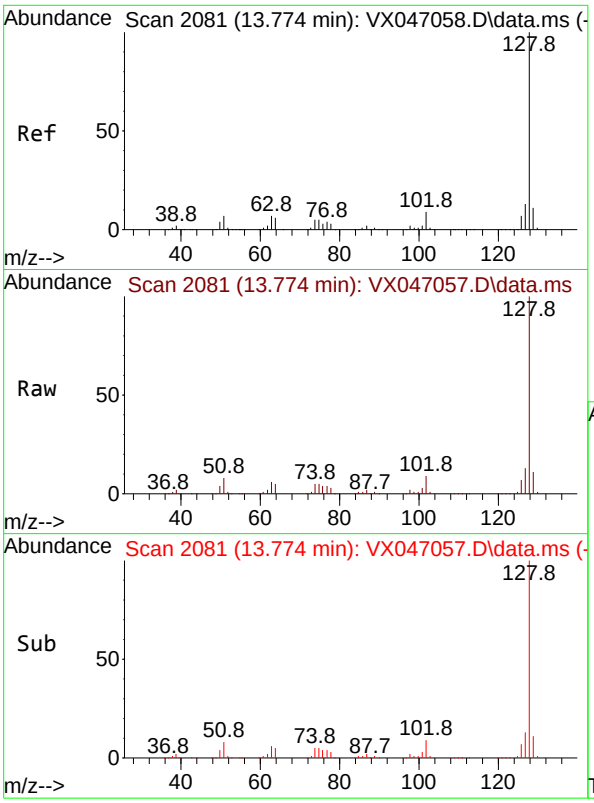


#94
Hexachlorobutadiene
Concen: 21.090 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:225 Resp: 39186

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.6	95.0
227	62.0	32.9	98.6

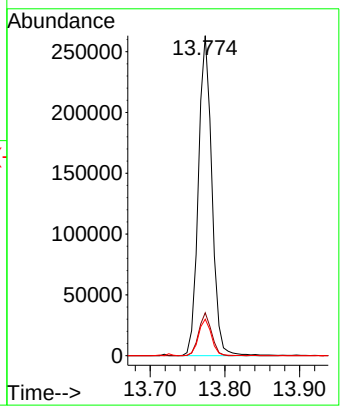




#95
Naphthalene
Concen: 20.581 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:128 Resp: 32963

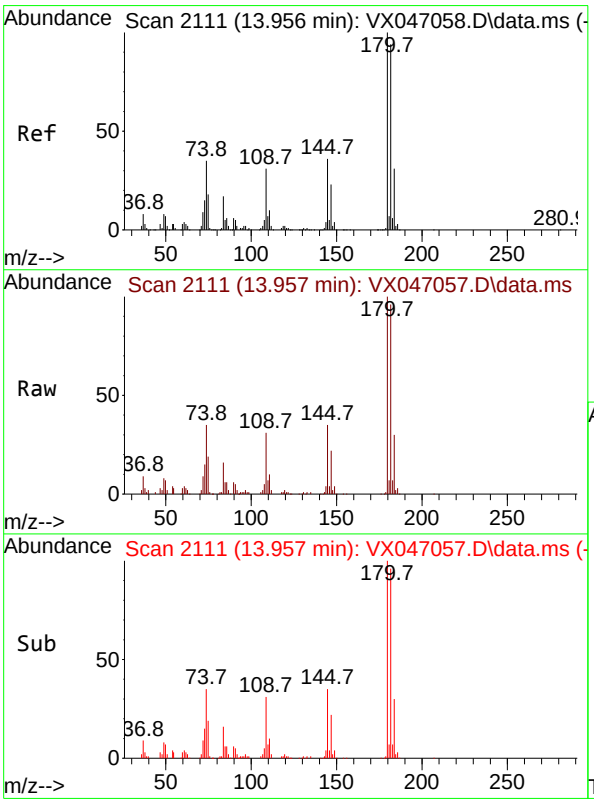
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.0	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

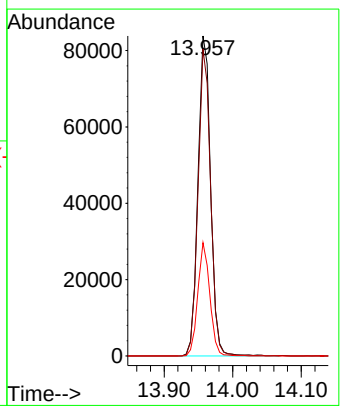
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:180 Resp: 107542

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.6
145	33.8	17.3	52.0



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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

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

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

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

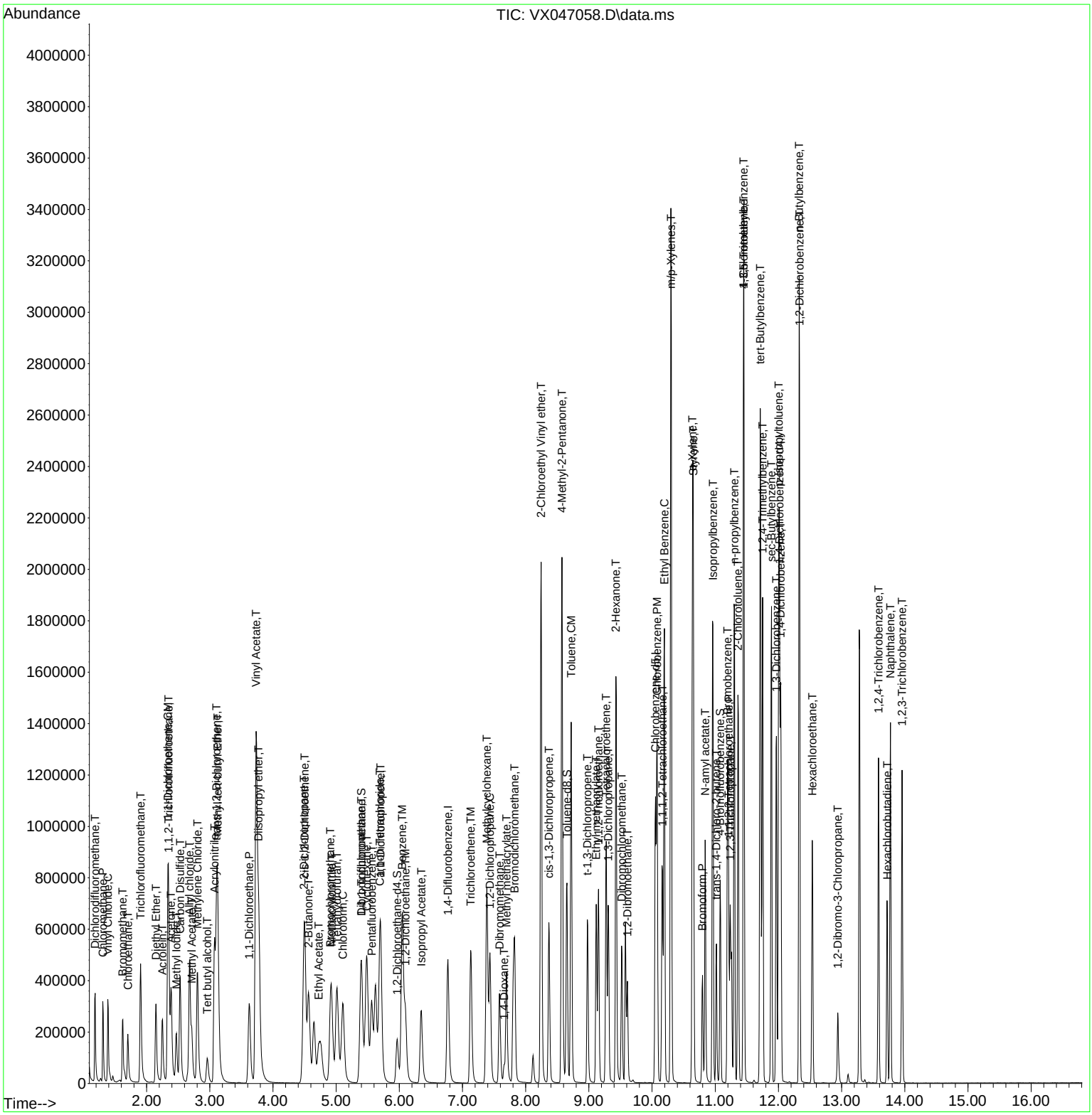
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047058.D
Acq On : 21 Jul 2025 10:50
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

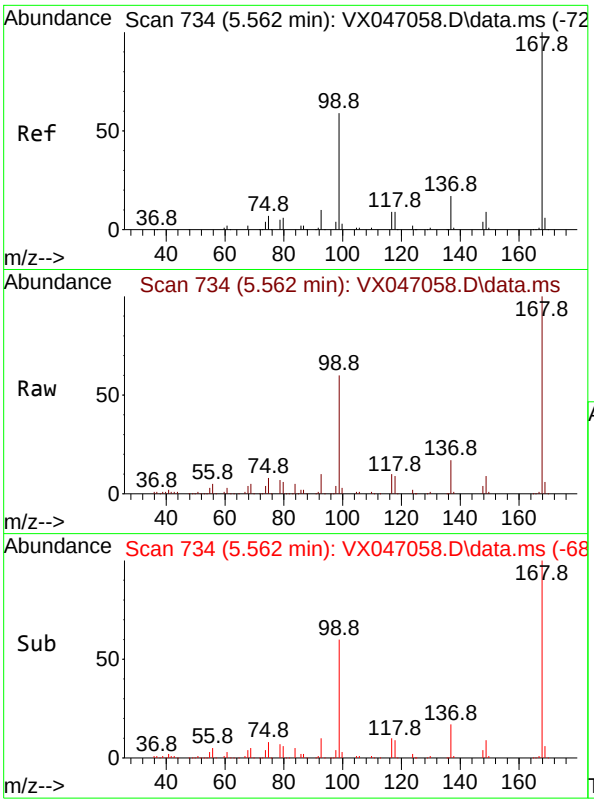
Quant Time: Jul 22 03:38:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

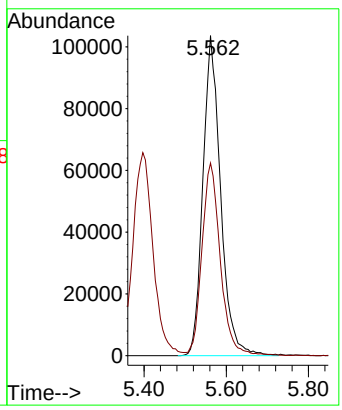




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:168 Resp: 30988

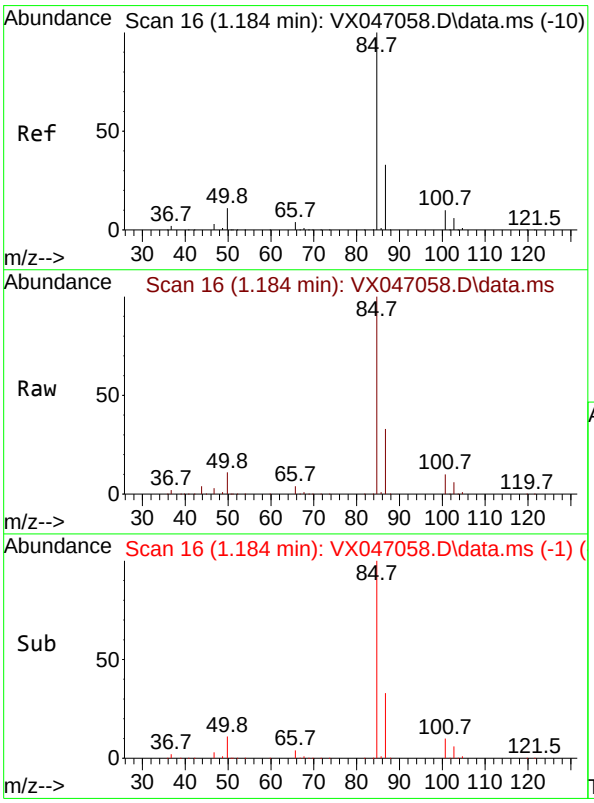
Ion	Ratio	Lower	Upper
168	100		
99	60.0	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

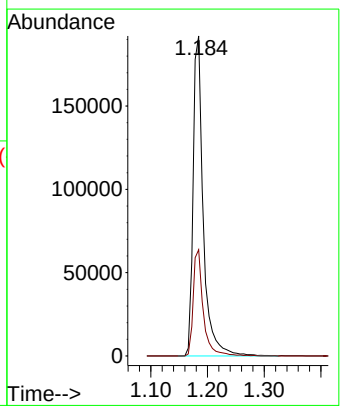
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

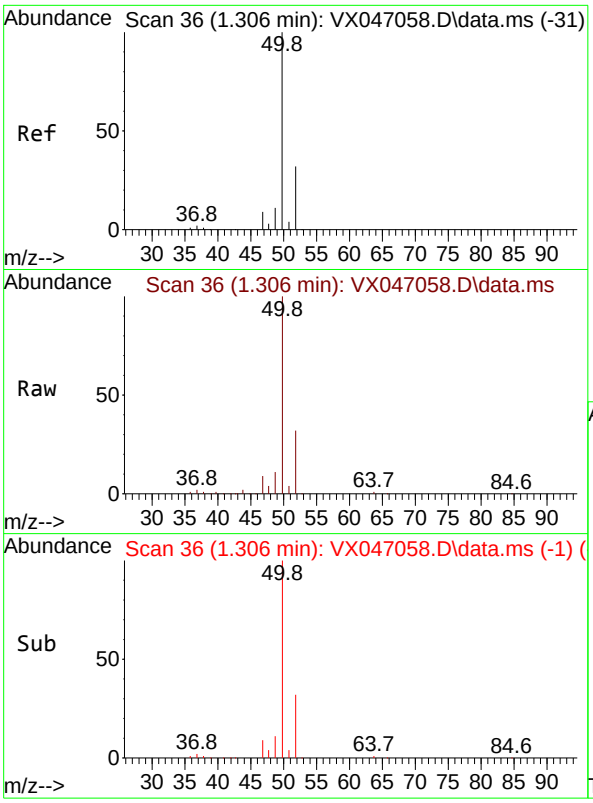


#2
Dichlorodifluoromethane
Concen: 57.844 ug/l
RT: 1.184 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 85 Resp: 238090

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.6	49.8

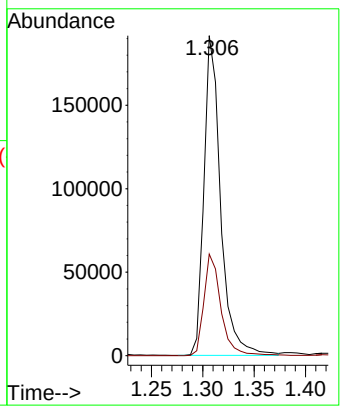




#3
Chloromethane
Concen: 53.219 ug/l
RT: 1.306 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 50 Resp: 21668

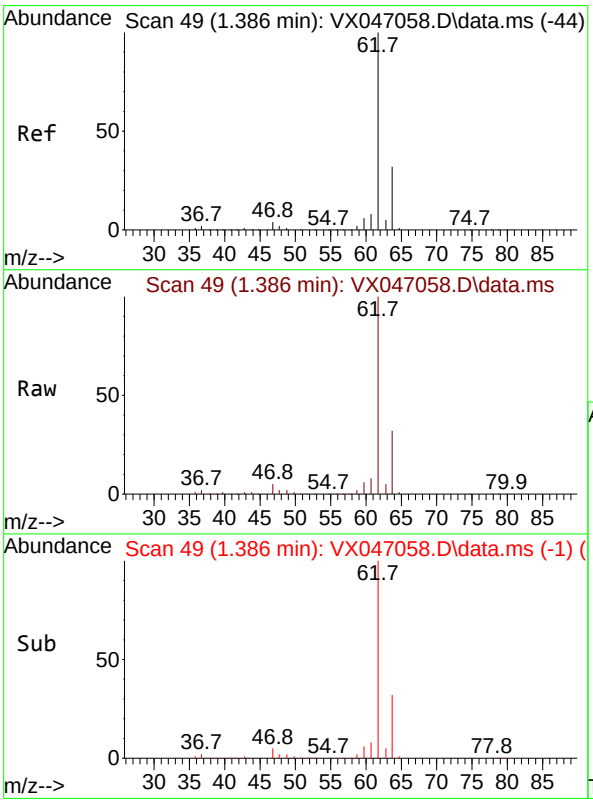
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

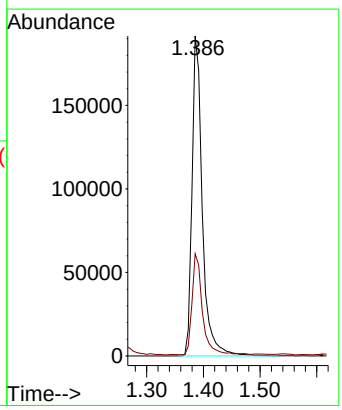
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

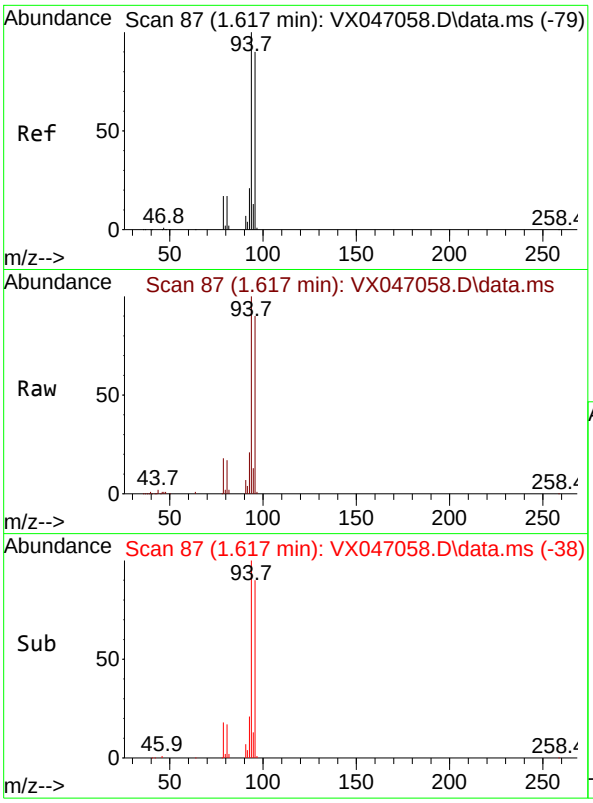


#4
Vinyl Chloride
Concen: 55.216 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 62 Resp: 241663

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8

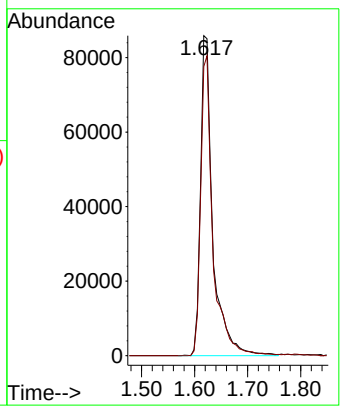




#5
Bromomethane
Concen: 58.354 ug/l
RT: 1.617 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 94 Resp: 13873

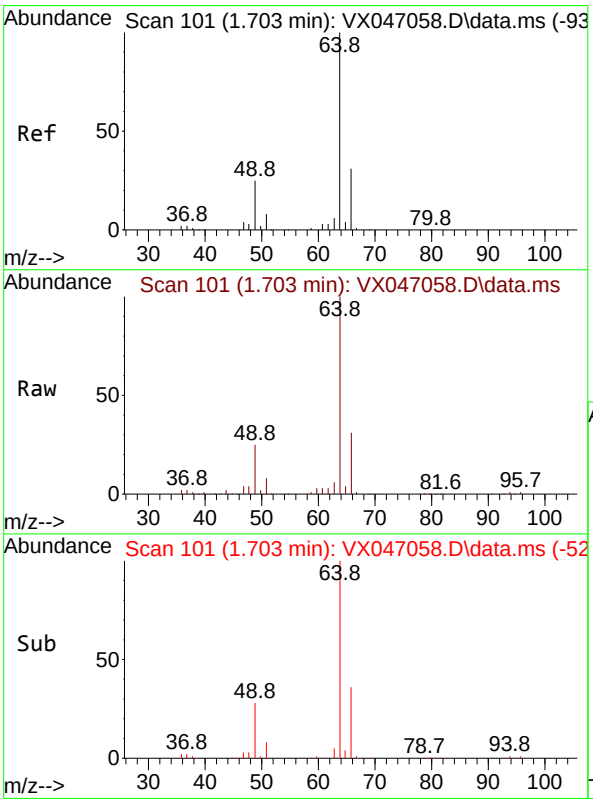
Ion	Ratio	Lower	Upper
94	100		
96	90.4	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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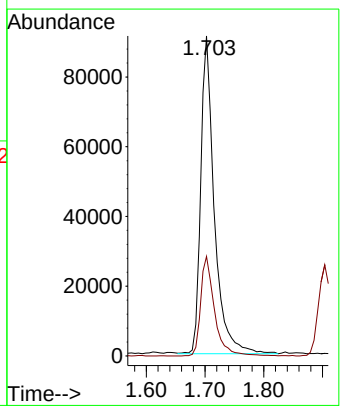
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

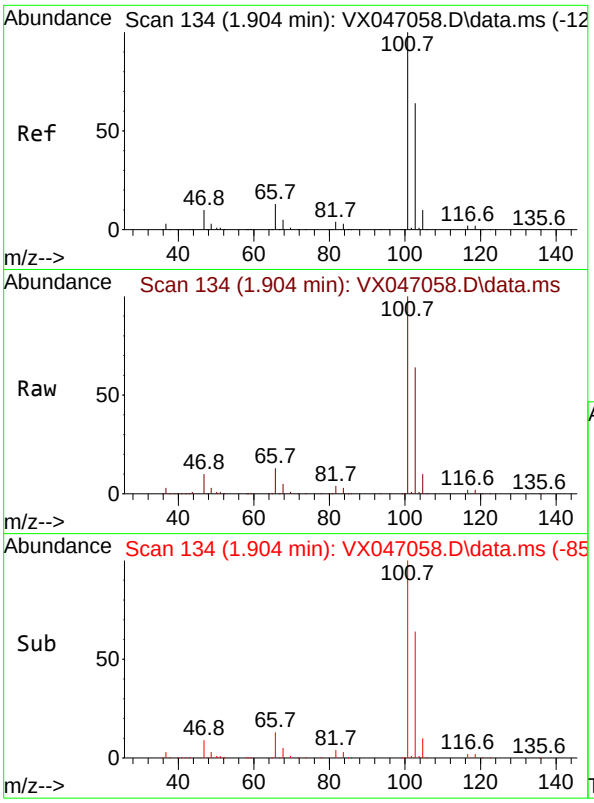


#6
Chloroethane
Concen: 50.714 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 64 Resp: 145779

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.0	37.6

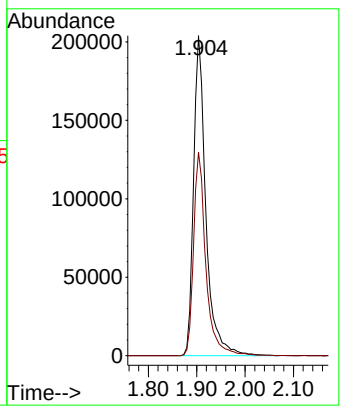




#7
Trichlorofluoromethane
Concen: 54.994 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:101 Resp: 35890

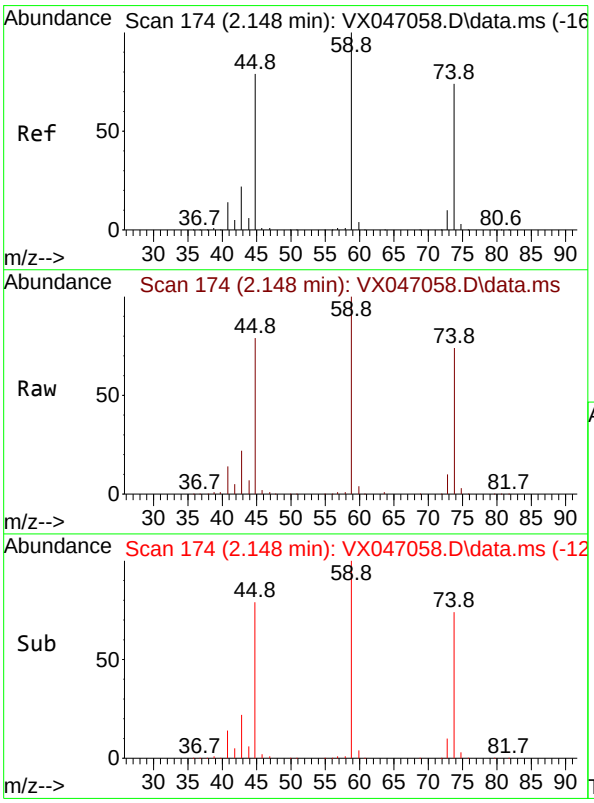
Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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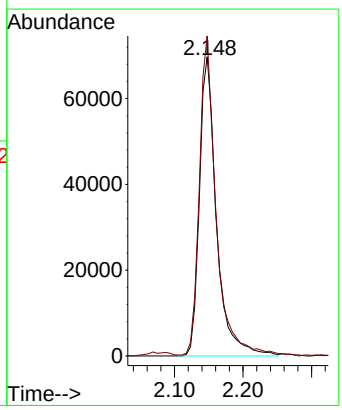
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

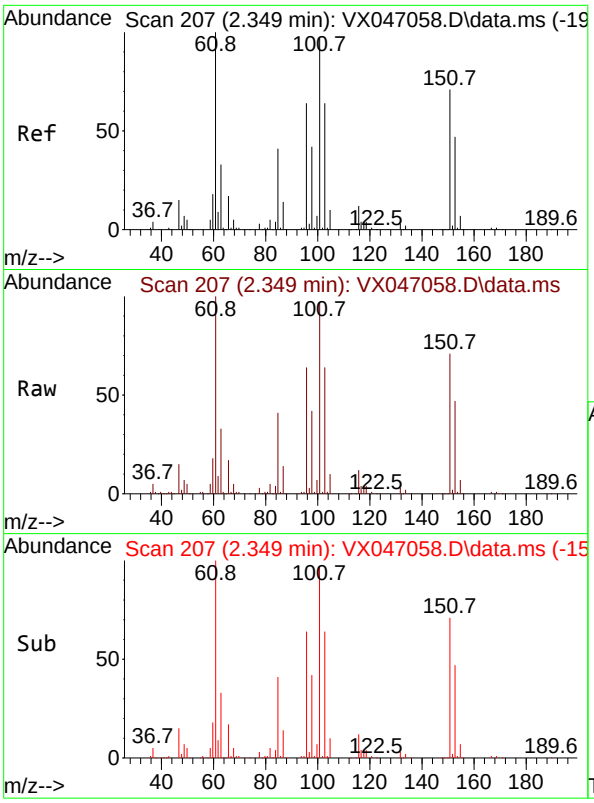


#8
Diethyl Ether
Concen: 52.535 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 74 Resp: 120887

Ion	Ratio	Lower	Upper
74	100		
45	106.0	53.0	159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.194 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

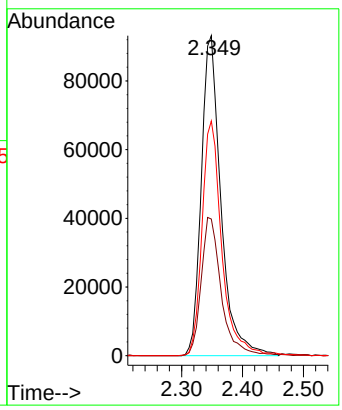
Tgt Ion:101 Resp: 20915

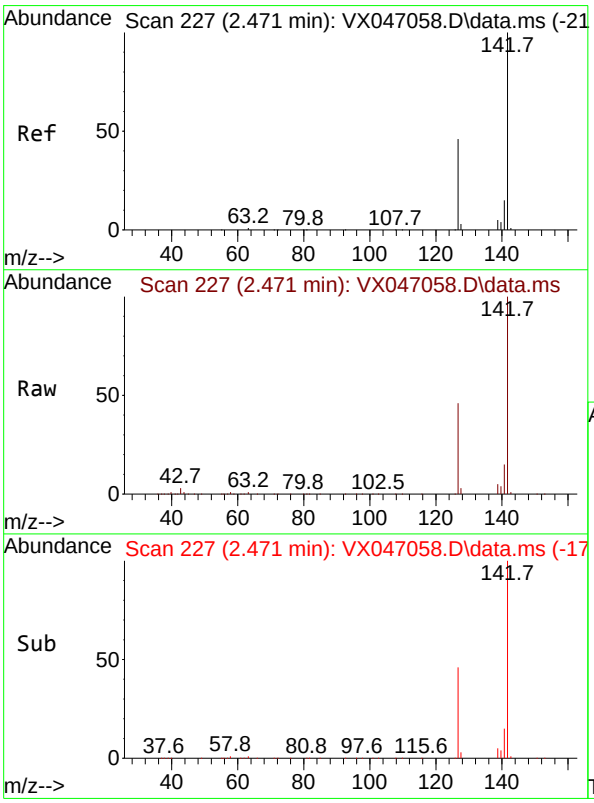
Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.4	53.0
151	74.0	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
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Supervised By :Mahesh Dadoda 07/22/2025

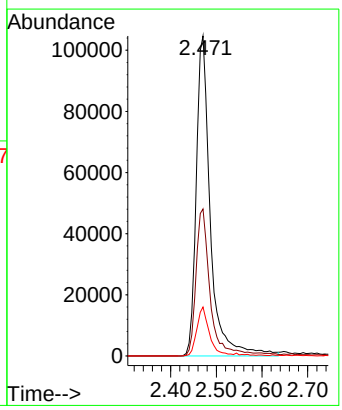


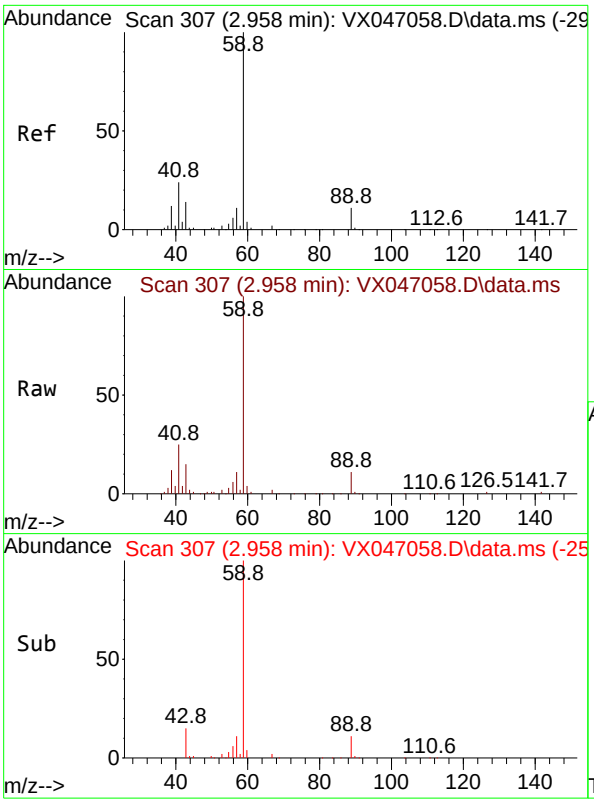


#10
Methyl Iodide
Concen: 56.237 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:142 Resp: 225356

Ion	Ratio	Lower	Upper
142	100		
127	45.7	36.6	54.8
141	13.6	10.9	16.3

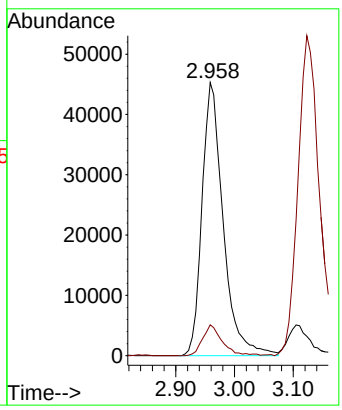




#11
Tert butyl alcohol
Concen: 251.629 ug/l
RT: 2.958 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 59 Resp: 11351

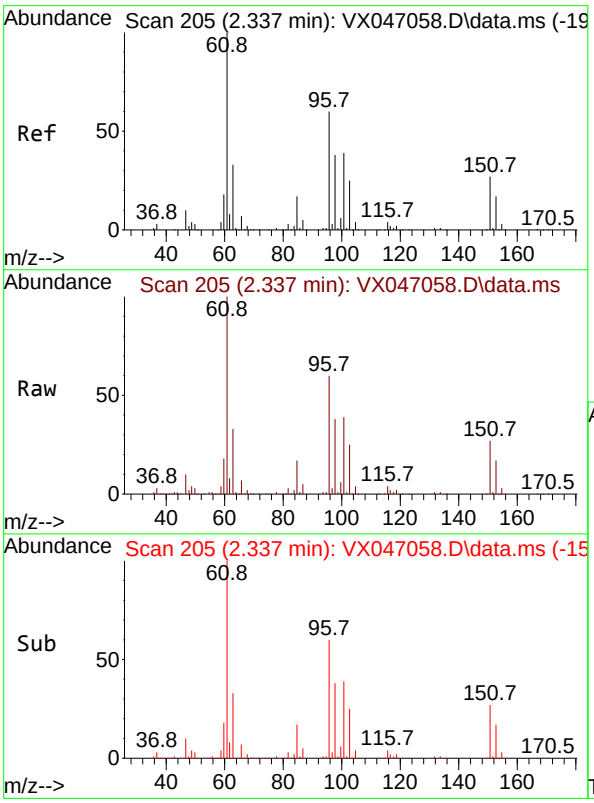
Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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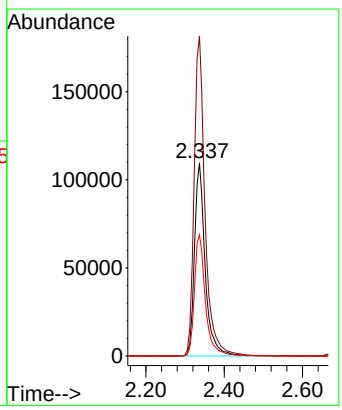
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

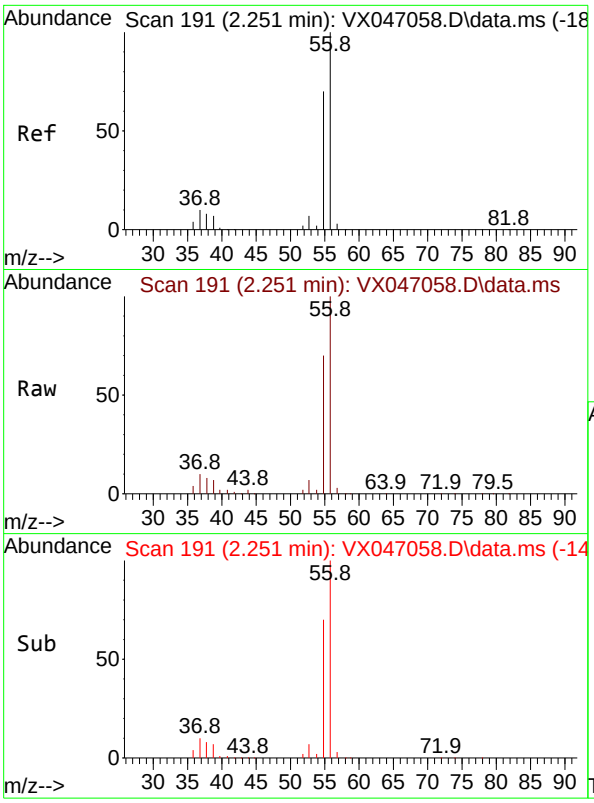


#12
1,1-Dichloroethene
Concen: 53.640 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 96 Resp: 208894

Ion	Ratio	Lower	Upper
96	100		
61	165.7	132.6	198.8
98	62.8	50.2	75.4





#13
Acrolein
Concen: 258.372 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

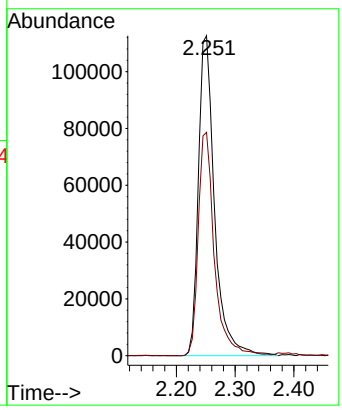
Tgt Ion: 56 Resp: 21474

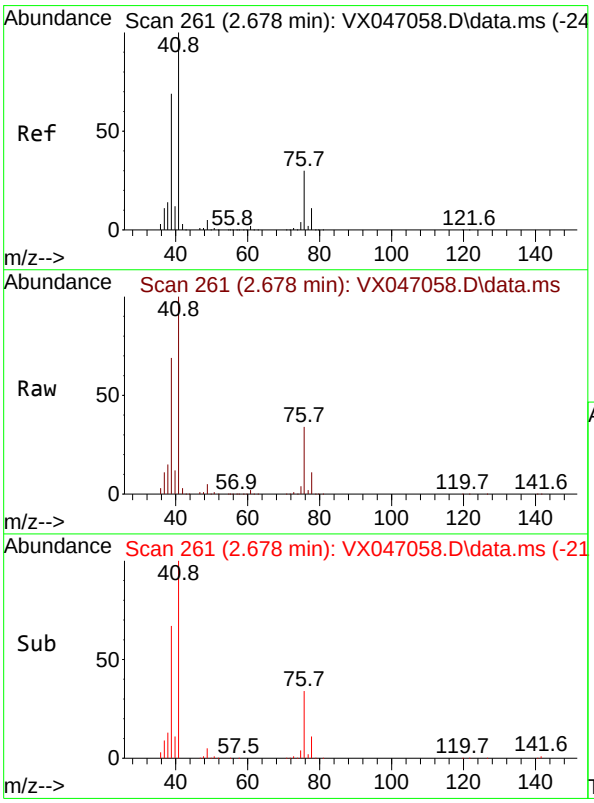
Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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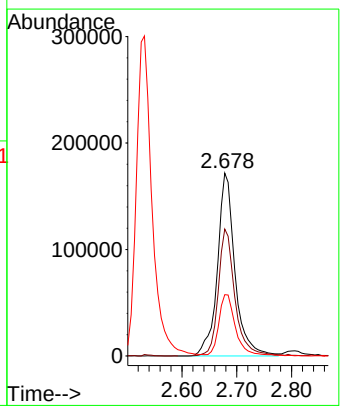


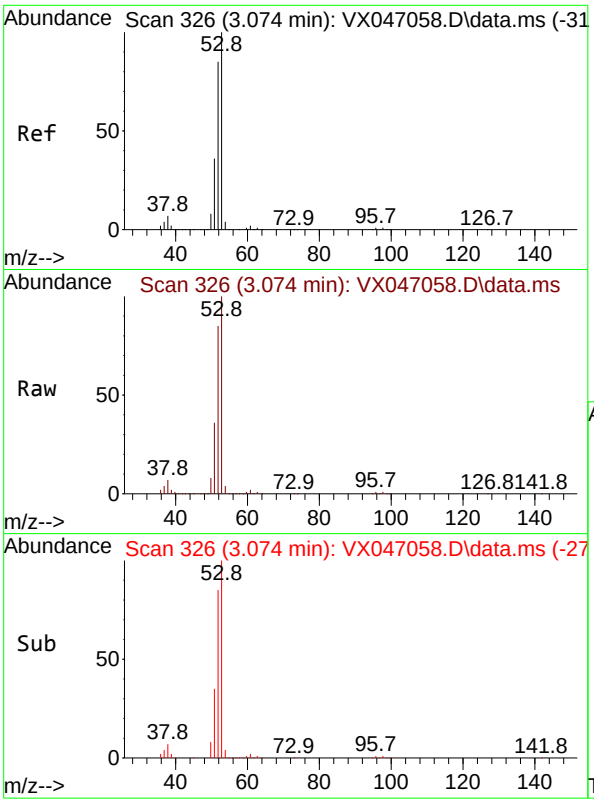


#14
Allyl chloride
Concen: 54.528 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 41 Resp: 383854

Ion	Ratio	Lower	Upper
41	100		
39	65.7	52.6	78.8
76	32.1	25.7	38.5

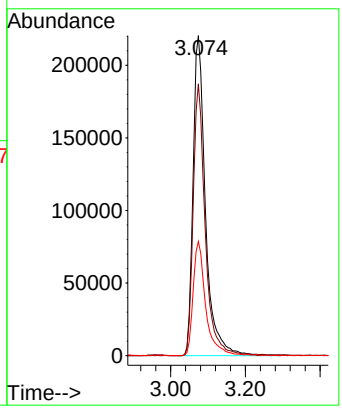




#15
Acrylonitrile
Concen: 277.051 ug/l
RT: 3.074 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 53 Resp: 51005

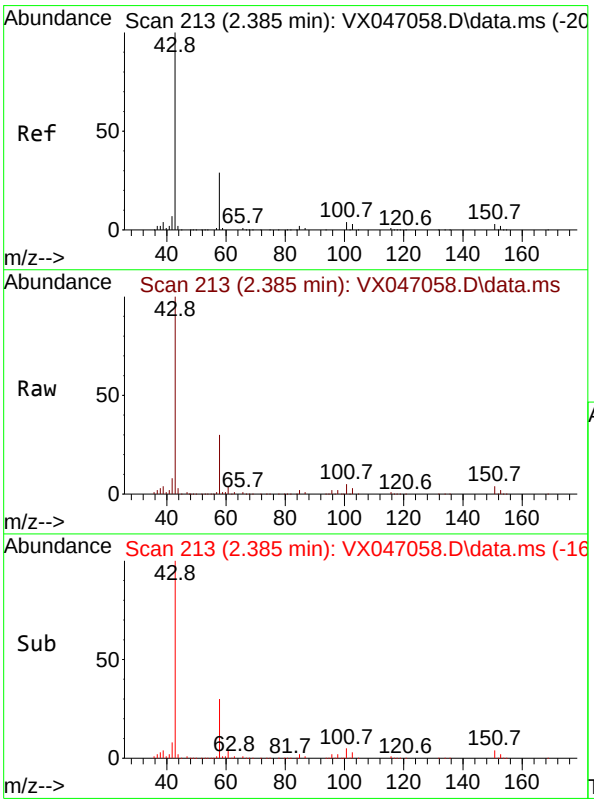
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	36.0	28.8	43.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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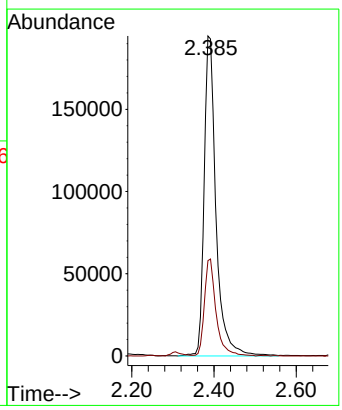
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

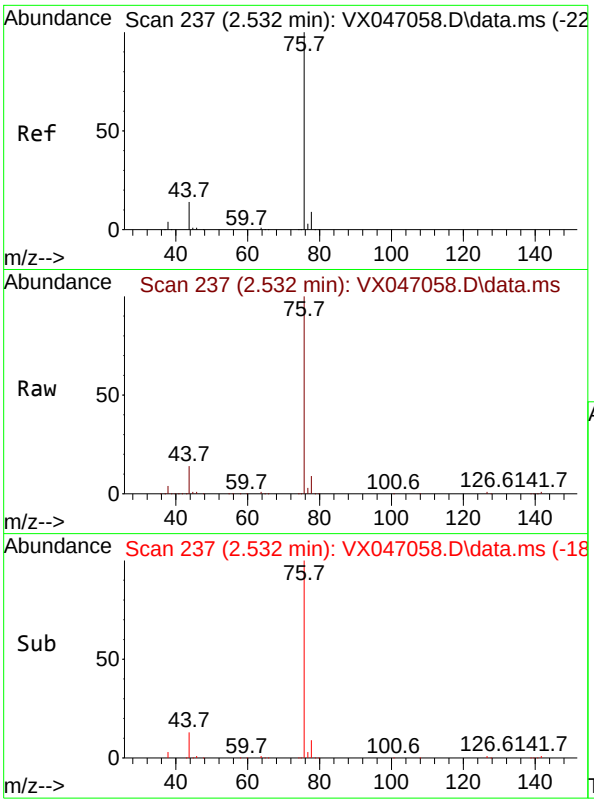


#16
Acetone
Concen: 252.239 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 43 Resp: 390060

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.0	36.0





#17
Carbon Disulfide
Concen: 53.261 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

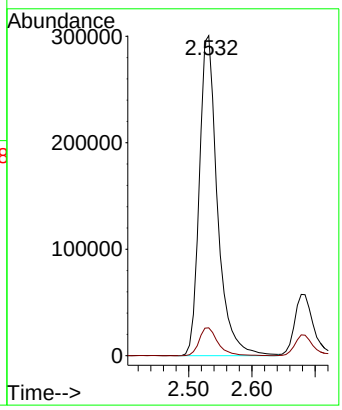
Tgt Ion: 76 Resp: 60004

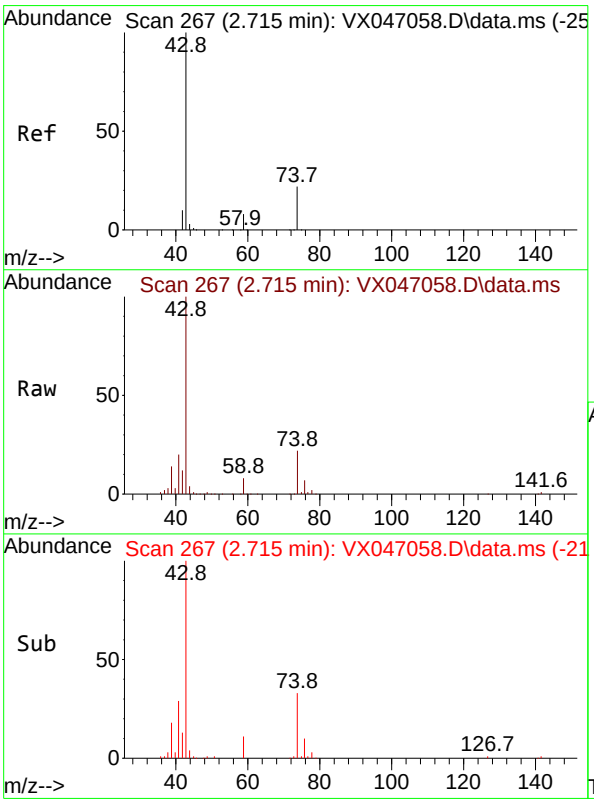
Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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Supervised By :Mahesh Dadoda 07/22/2025

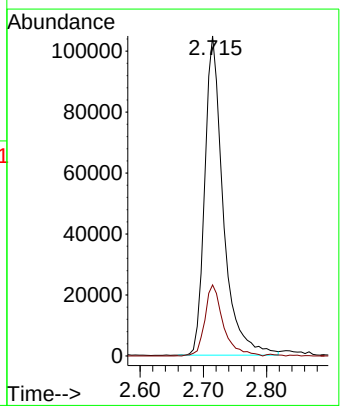


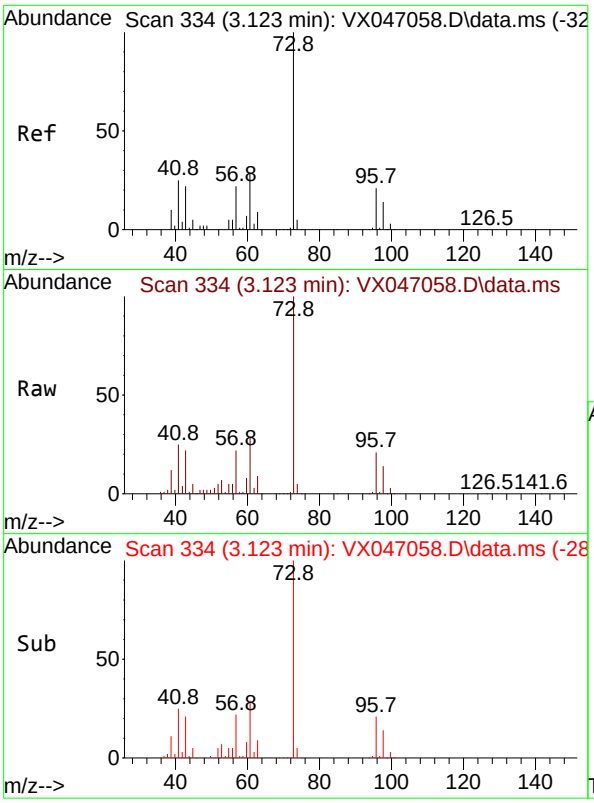


#18
Methyl Acetate
Concen: 51.848 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 43 Resp: 213070

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5

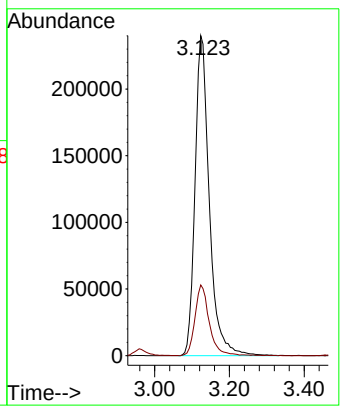




#19
Methyl tert-butyl Ether
Concen: 53.721 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 73 Resp: 63669

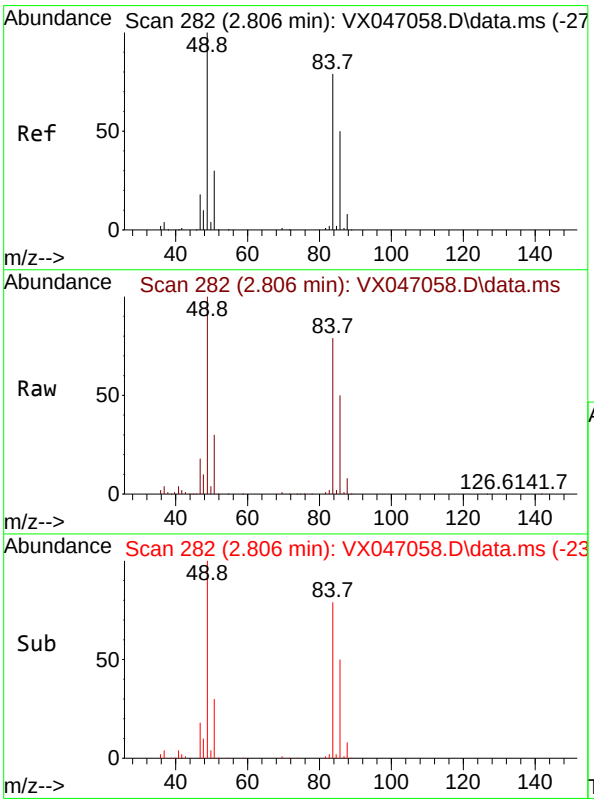
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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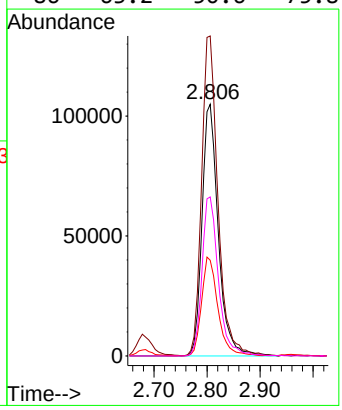
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

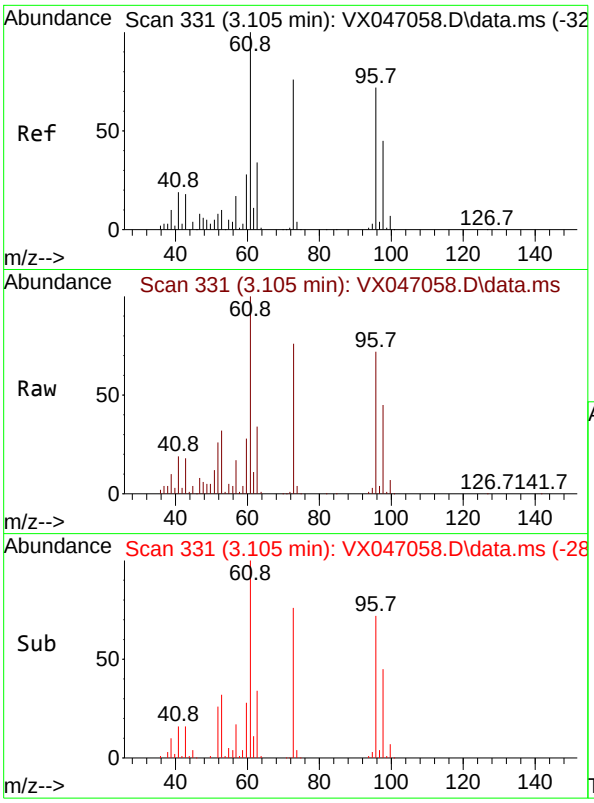


#20
Methylene Chloride
Concen: 52.585 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 84 Resp: 223713

Ion	Ratio	Lower	Upper
84	100		
49	127.0	101.6	152.4
51	37.9	30.3	45.5
86	63.2	50.6	75.8

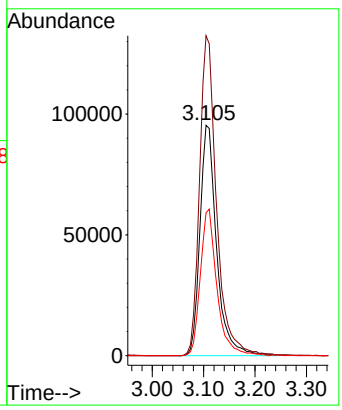




#21
trans-1,2-Dichloroethene
Concen: 54.049 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 96 Resp: 21539

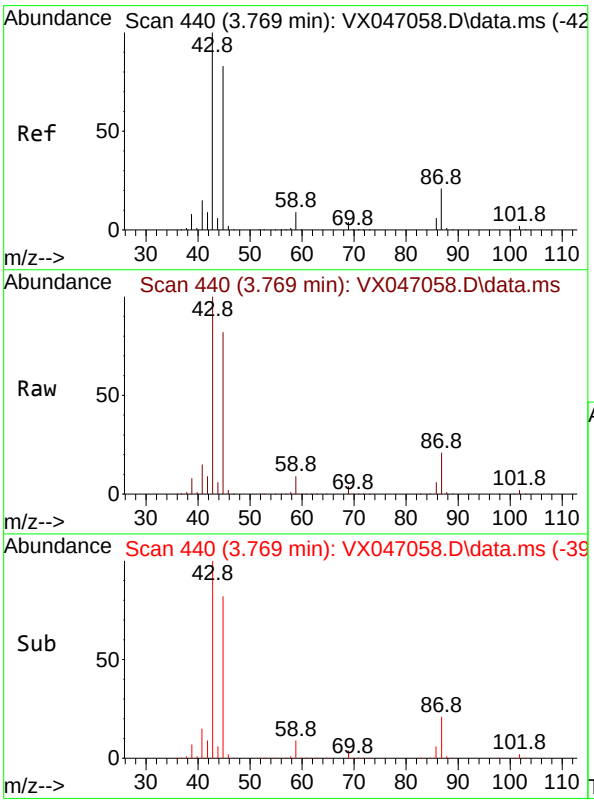
Ion	Ratio	Lower	Upper
96	100		
61	138.9	111.1	166.7
98	62.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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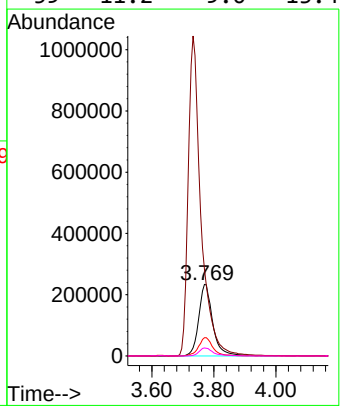
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

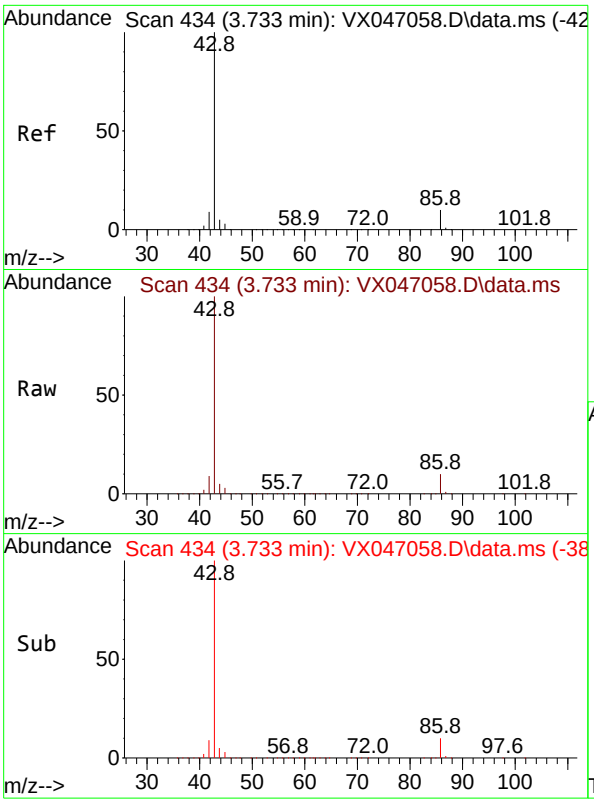


#22
Diisopropyl ether
Concen: 54.083 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 45 Resp: 731970

Ion	Ratio	Lower	Upper
45	100		
43	121.0	96.8	145.2
87	25.6	20.5	30.7
59	11.2	9.0	13.4





#23
Vinyl Acetate
Concen: 276.847 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

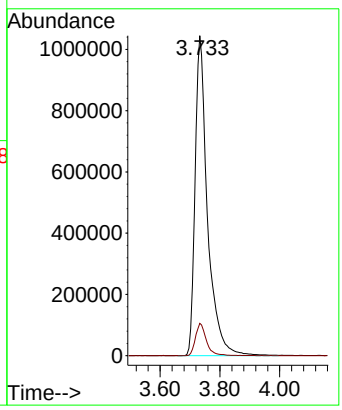
Tgt Ion: 43 Resp: 300527

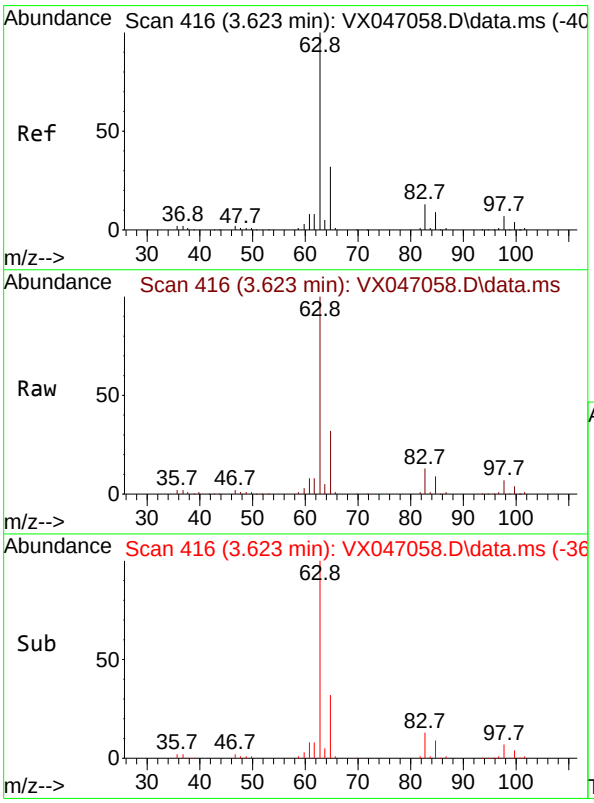
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

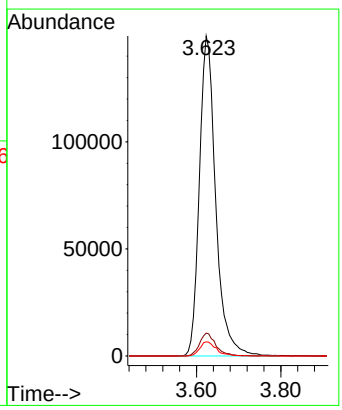


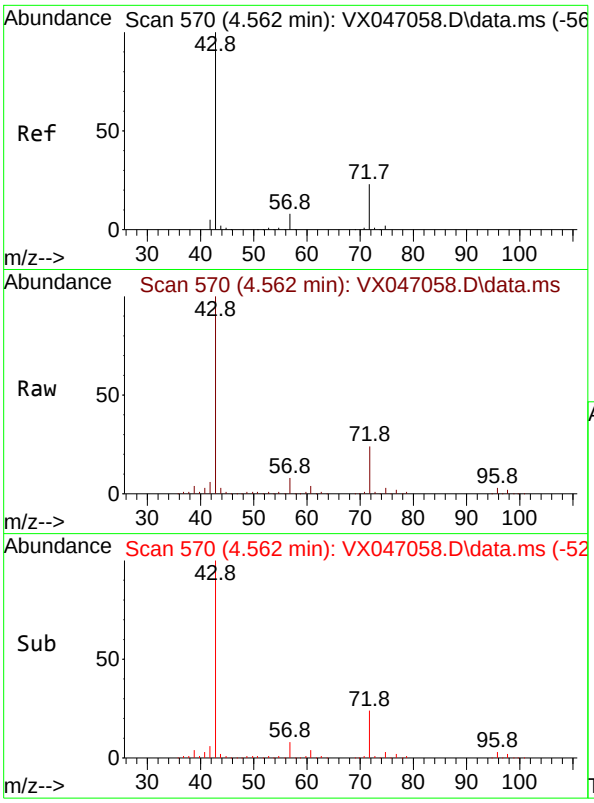


#24
1,1-Dichloroethane
Concen: 53.522 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 63 Resp: 402810

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	4.5	2.3	6.8





#25
2-Butanone
Concen: 268.961 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

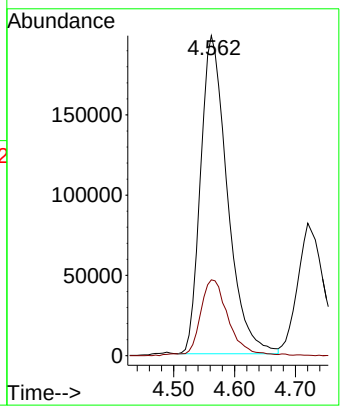
Tgt Ion: 43 Resp: 60561

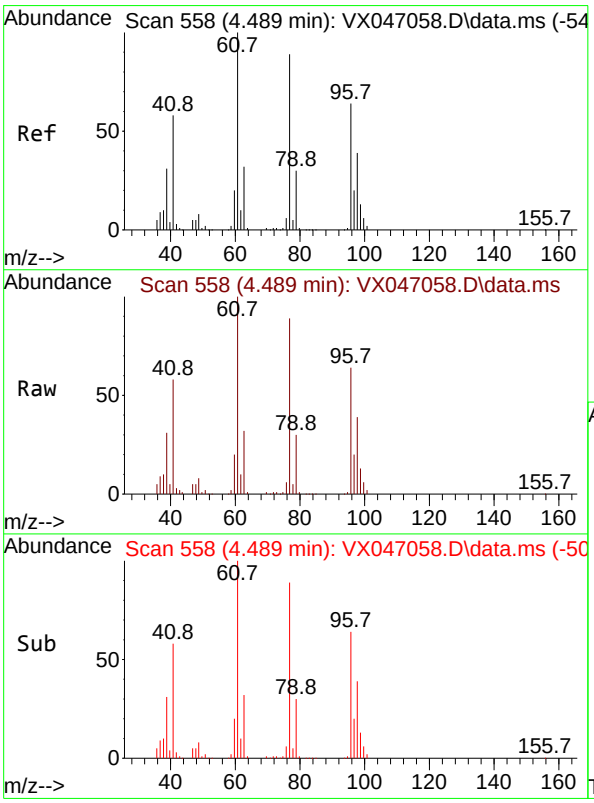
Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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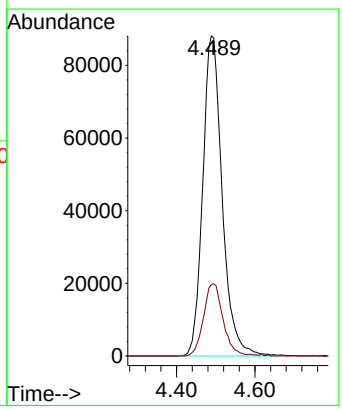


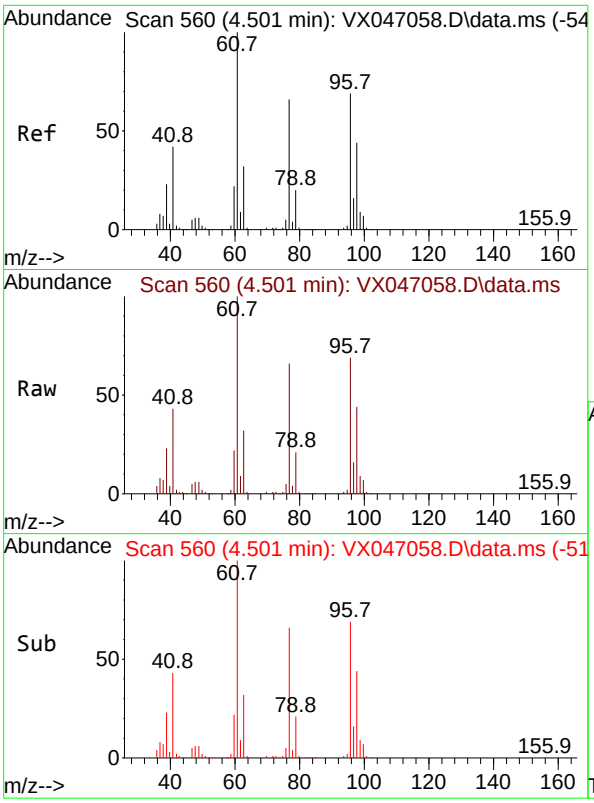


#26
2,2-Dichloropropane
Concen: 52.081 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 77 Resp: 303417

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.4	34.1

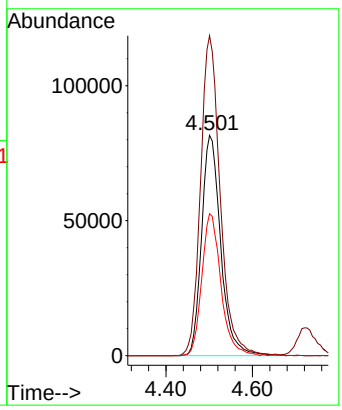




#27
cis-1,2-Dichloroethene
Concen: 53.001 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 96 Resp: 25011

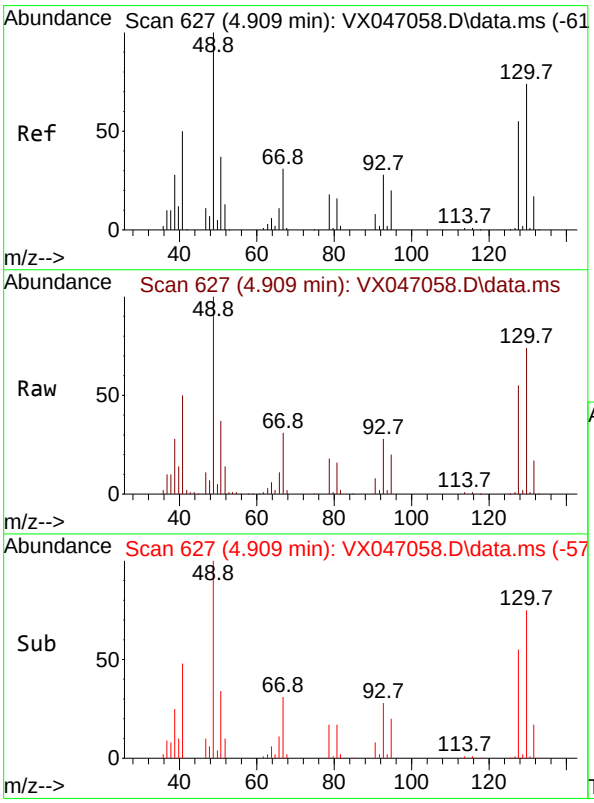
Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	298.6
98	64.4	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

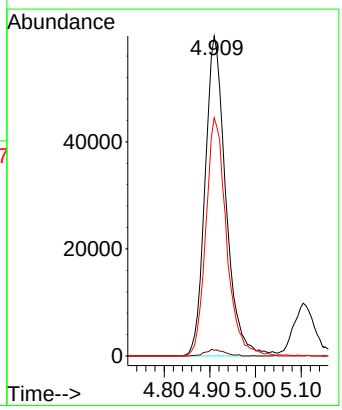
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

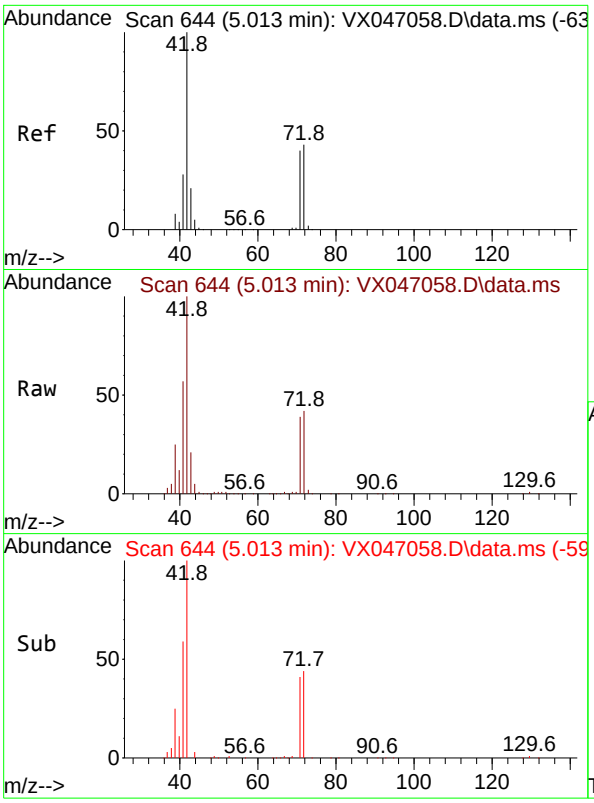


#28
Bromochloromethane
Concen: 54.536 ug/l
RT: 4.909 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 49 Resp: 188828

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.7	59.0	88.4

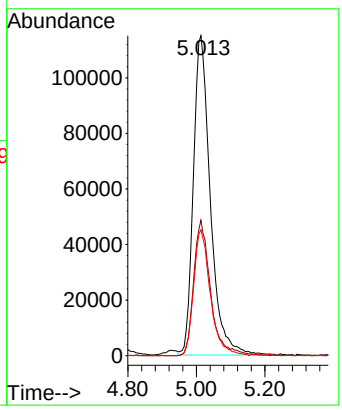




#29
Tetrahydrofuran
Concen: 273.532 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 42 Resp: 39739

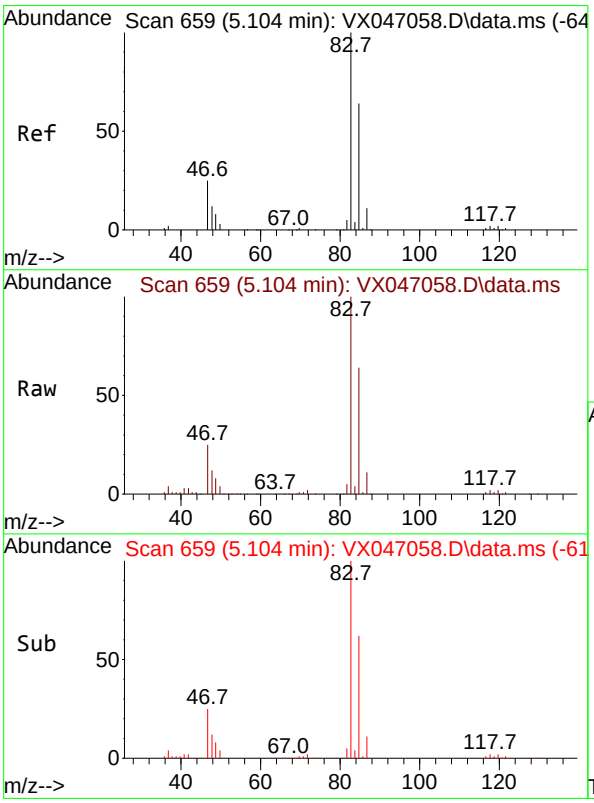
Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	38.7	31.0	46.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

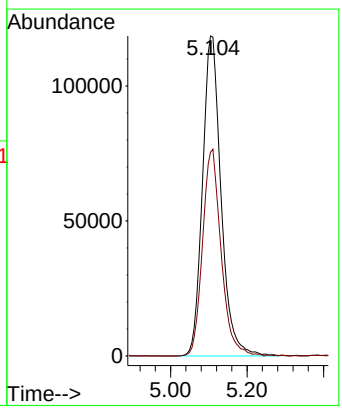
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

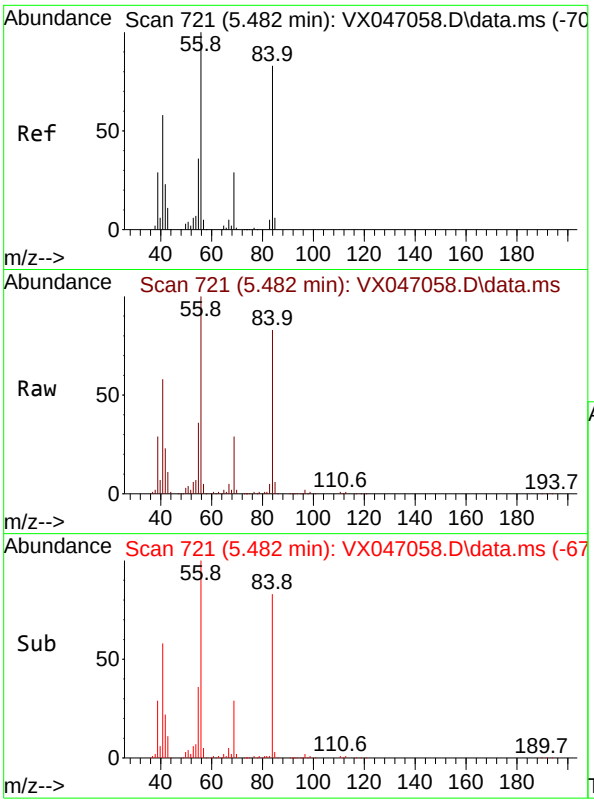


#30
Chloroform
Concen: 52.141 ug/l
RT: 5.104 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 83 Resp: 399454

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3

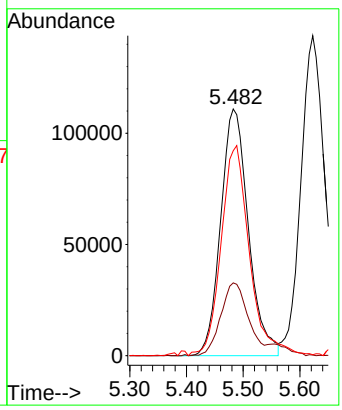




#31
Cyclohexane
Concen: 52.159 ug/l
RT: 5.482 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 56 Resp: 37639

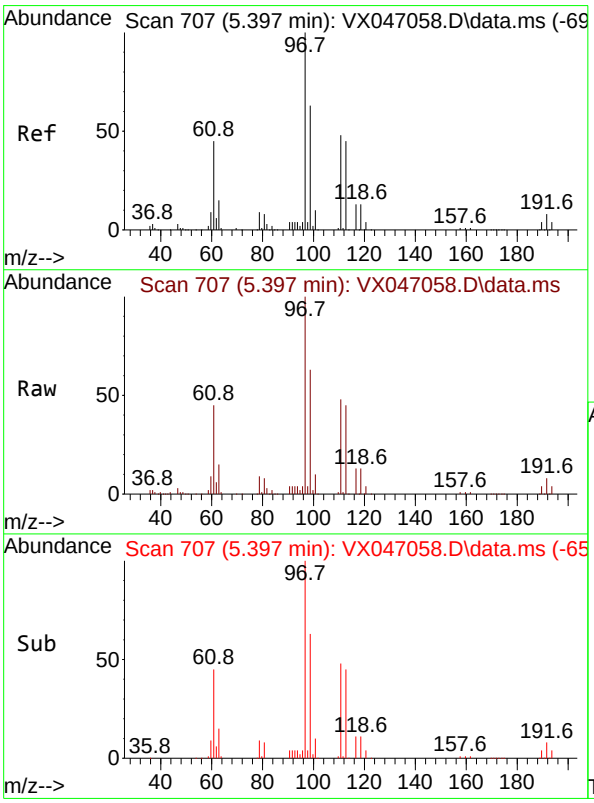
Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.3	34.9
84	83.1	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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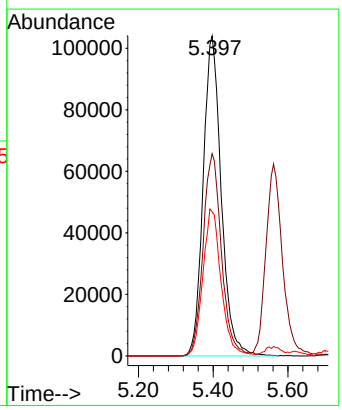
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

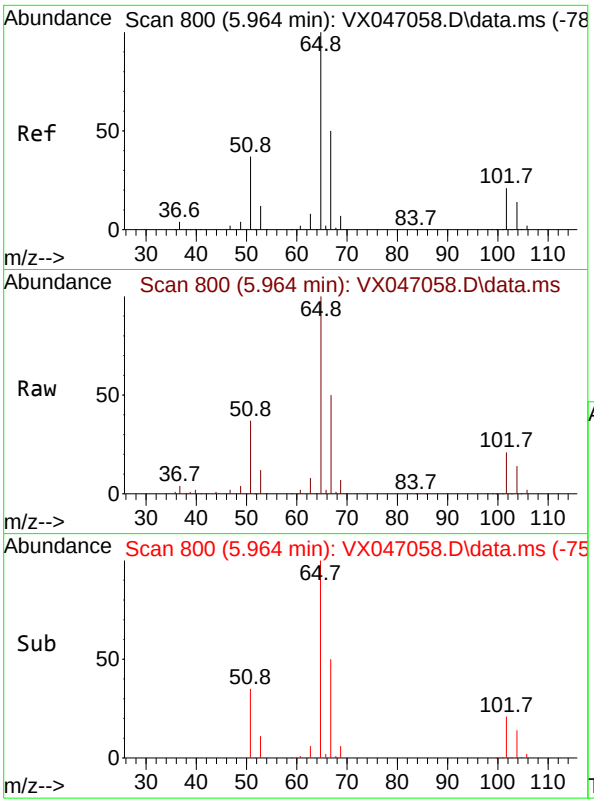


#32
1,1,1-Trichloroethane
Concen: 52.462 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 97 Resp: 349090

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	46.4	37.1	55.7





#33
1,2-Dichloroethane-d4
Concen: 46.193 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

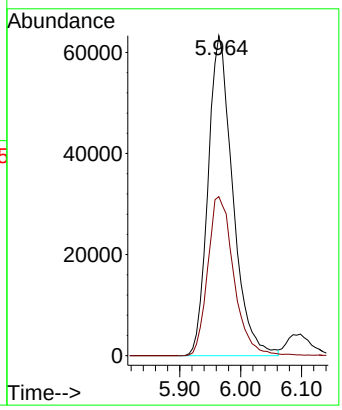
Tgt Ion: 65 Resp: 17831

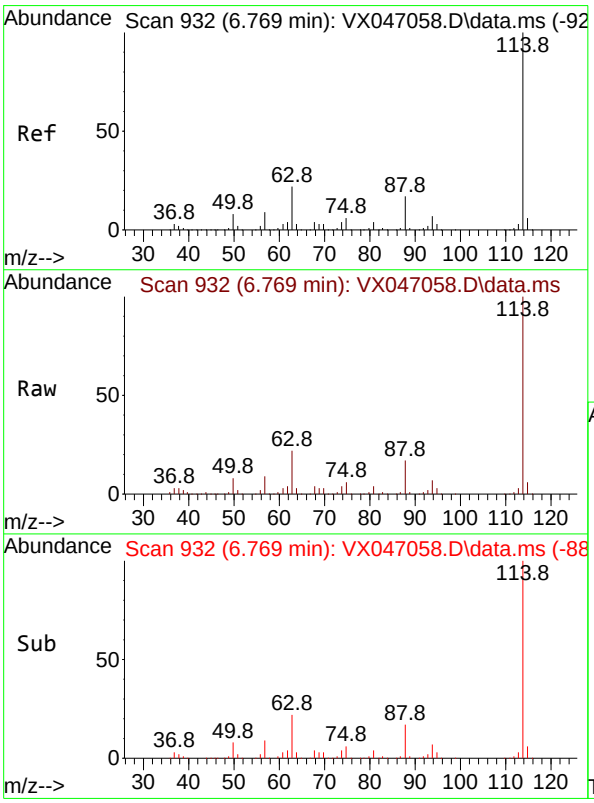
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

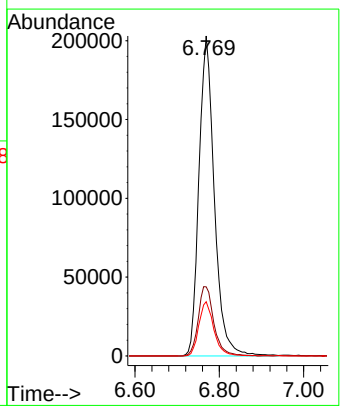


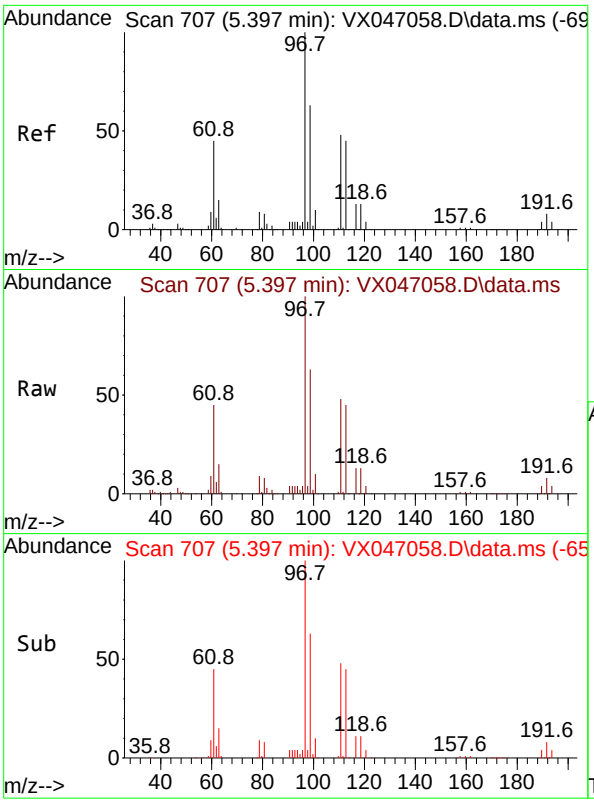


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:114 Resp: 516282

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	16.9	0.0	33.8

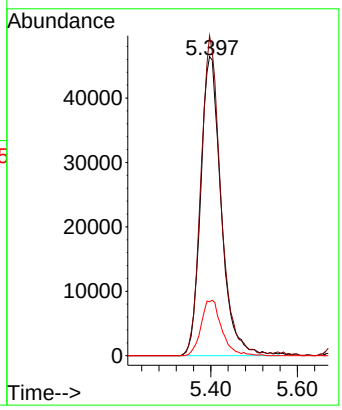




#35
Dibromofluoromethane
Concen: 47.918 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:113 Resp: 15274

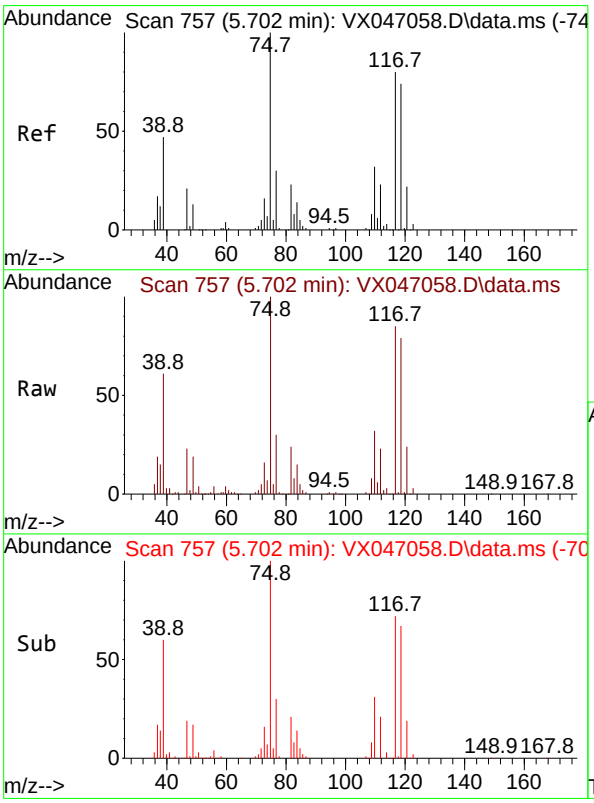
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	124.0
192	18.6	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

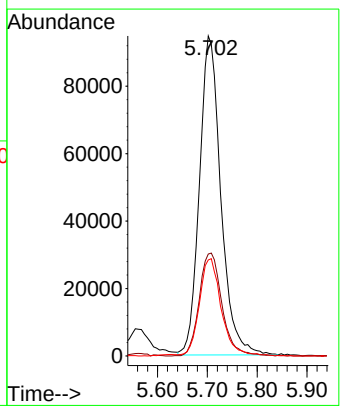
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

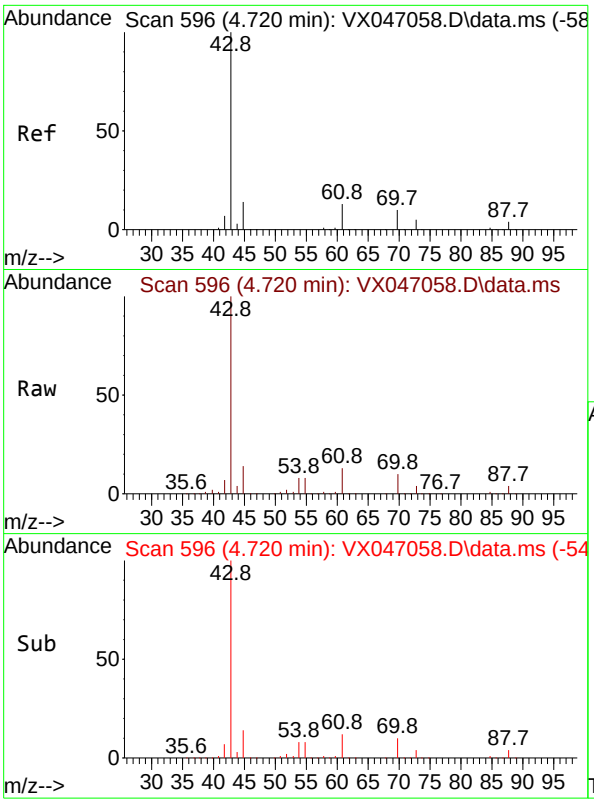


#36
1,1-Dichloropropene
Concen: 51.926 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 75 Resp: 282151

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.2	51.5
77	31.4	25.1	37.7

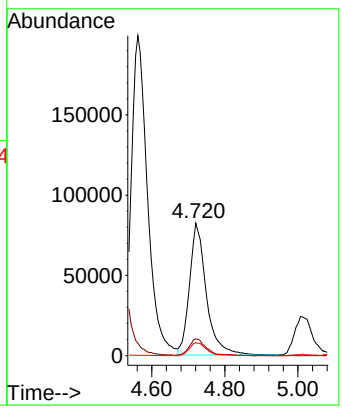




#37
Ethyl Acetate
Concen: 55.103 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 43 Resp: 26386

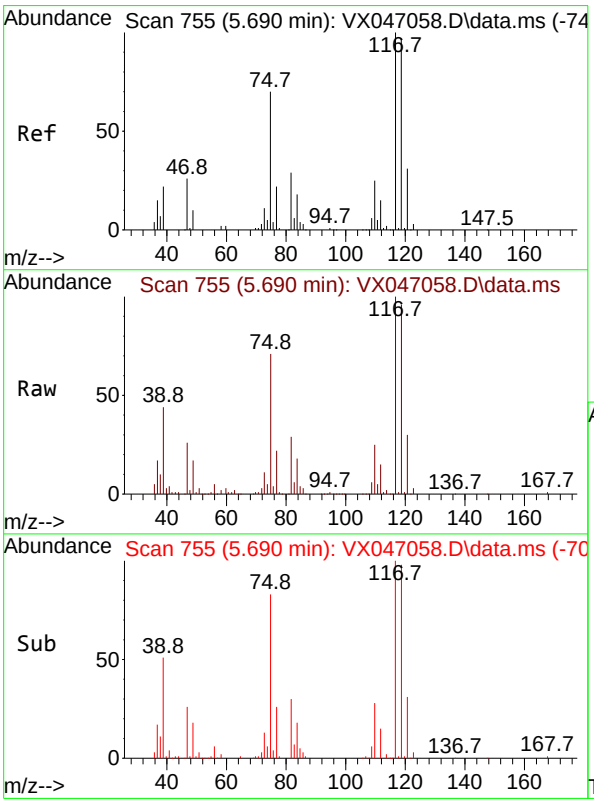
Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	10.1	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

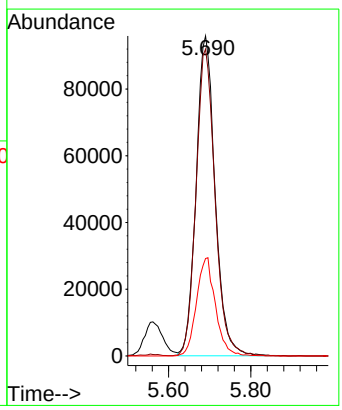
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

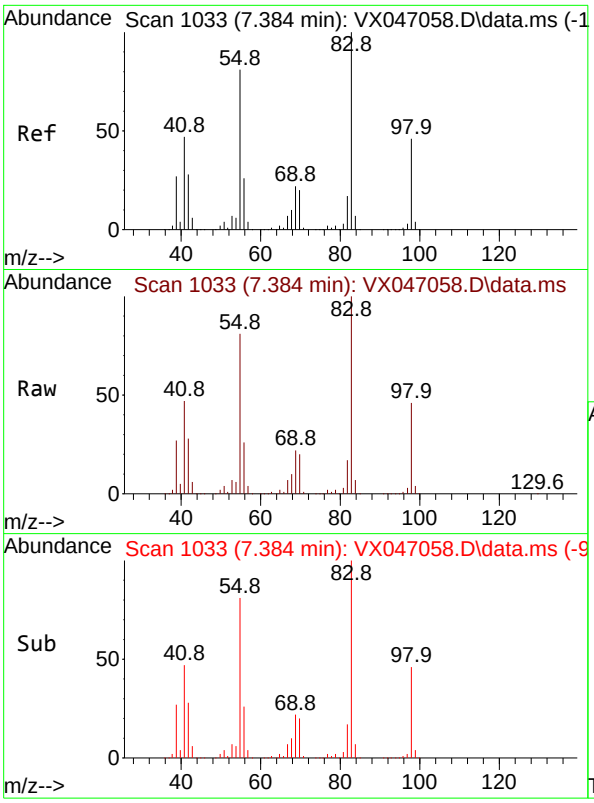


#38
Carbon Tetrachloride
Concen: 52.934 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:117 Resp: 306989

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	30.5	24.4	36.6

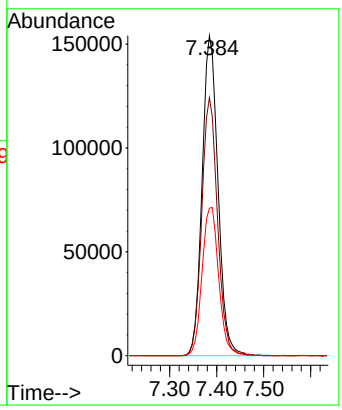




#39
Methylcyclohexane
Concen: 53.168 ug/l
RT: 7.384 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 83 Resp: 36070

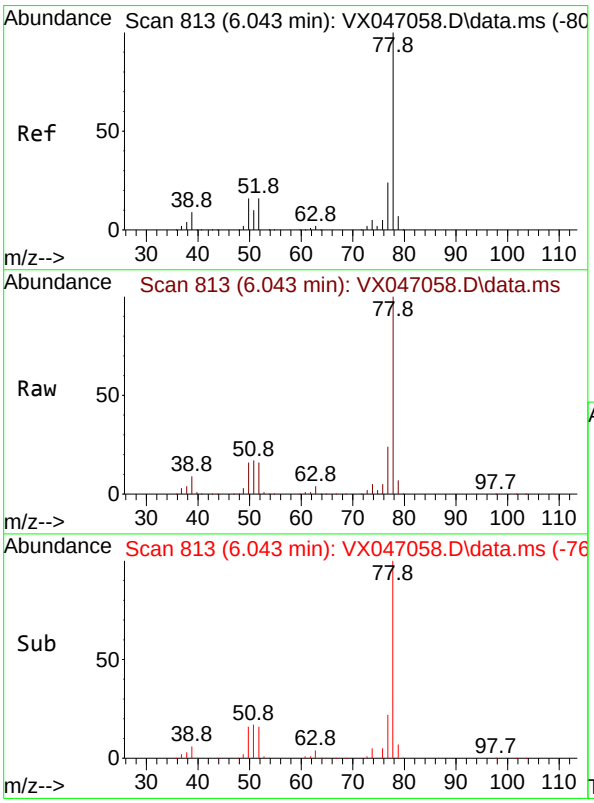
Ion	Ratio	Lower	Upper
83	100		
55	80.6	64.5	96.7
98	46.1	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

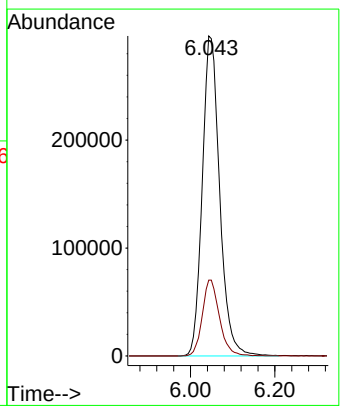
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

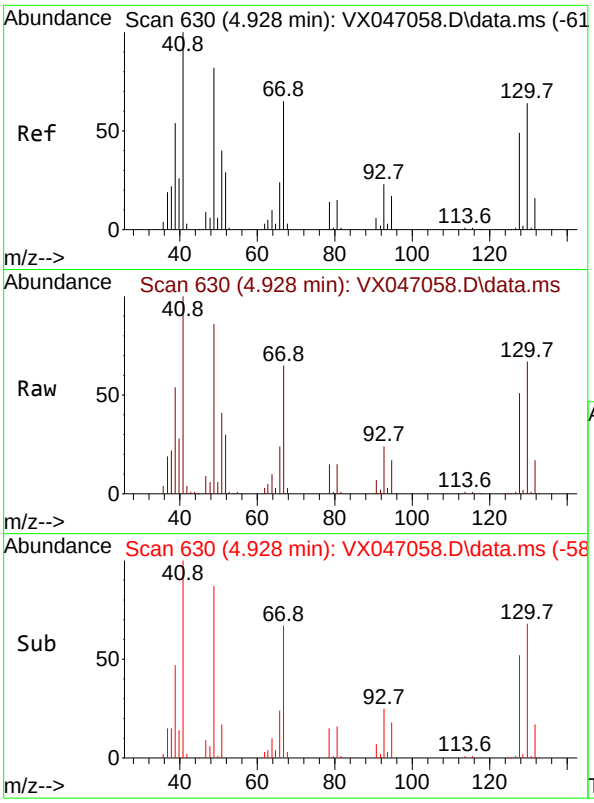


#40
Benzene
Concen: 54.180 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 78 Resp: 851995

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4

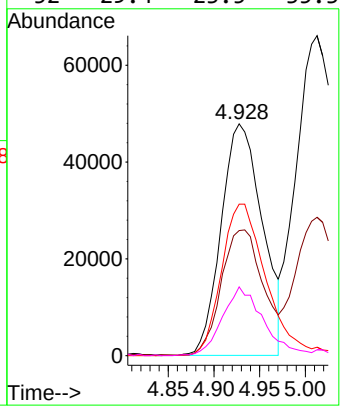




#41
Methacrylonitrile
Concen: 57.494 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 41 Resp: 15051

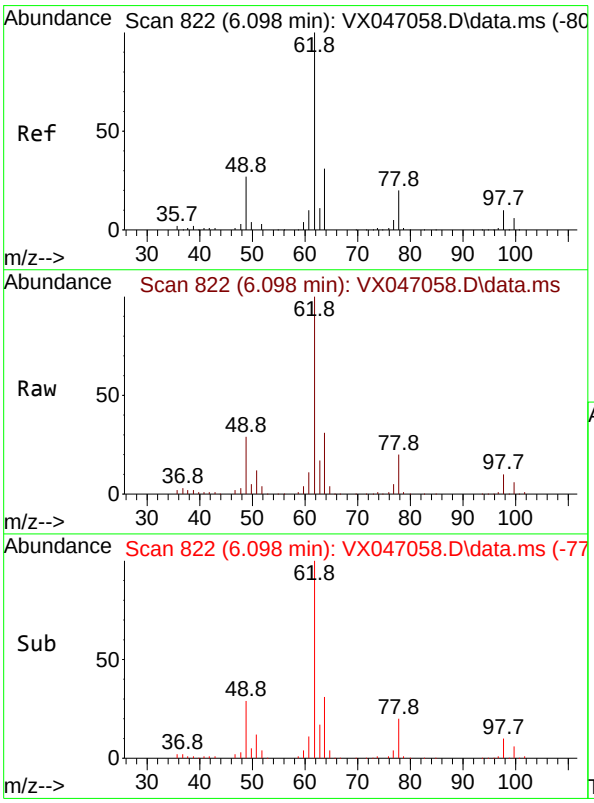
Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.2	66.2
67	70.5	56.4	84.6
52	29.4	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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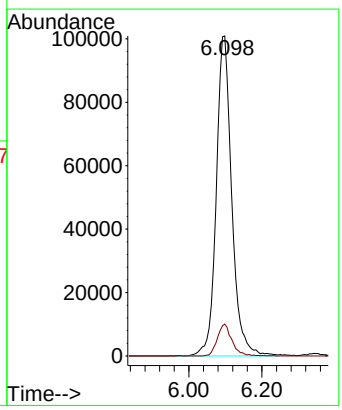
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

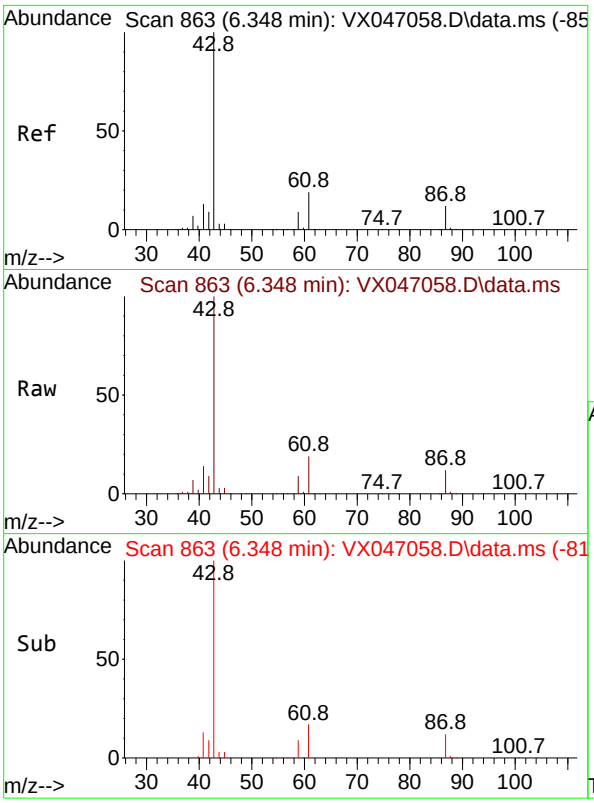


#42
1,2-Dichloroethane
Concen: 53.686 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 62 Resp: 297385

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8





#43
Isopropyl Acetate
Concen: 56.192 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

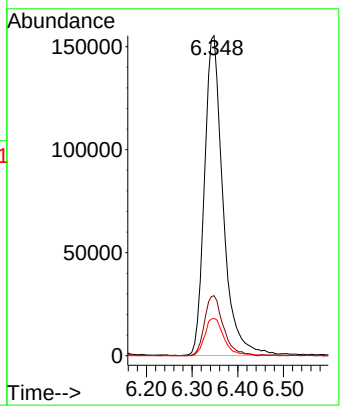
Tgt Ion: 43 Resp: 43861

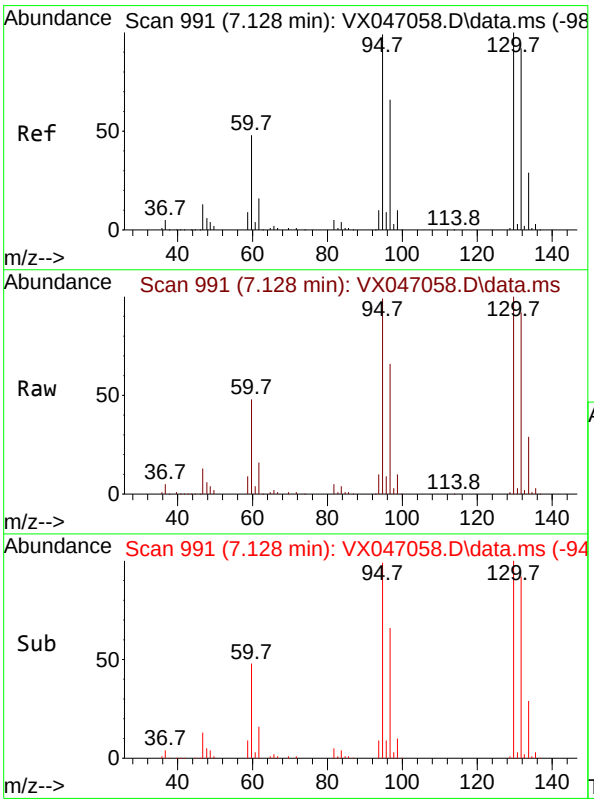
Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	12.1	9.7	14.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

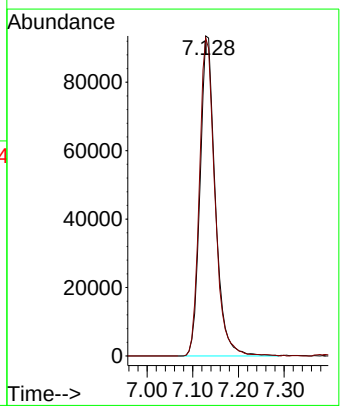


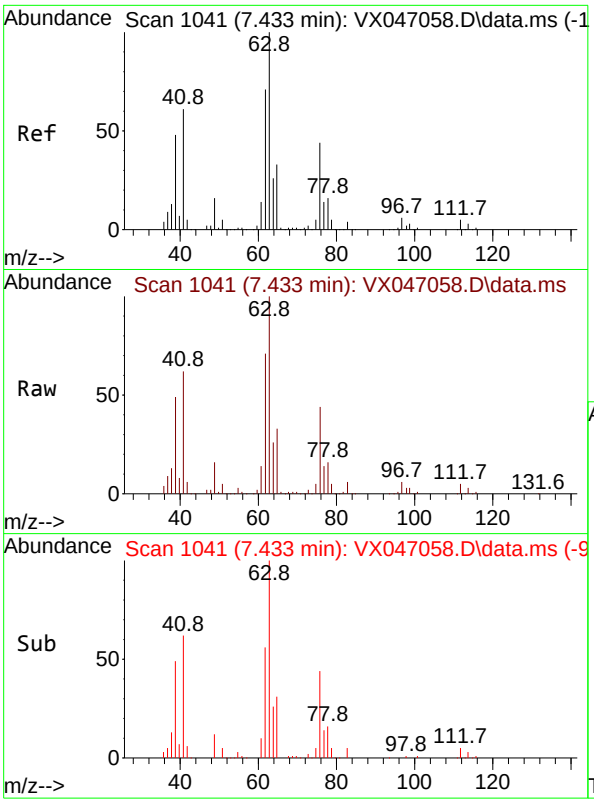


#44
Trichloroethene
Concen: 53.751 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:130 Resp: 216747

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	198.6





#45
1,2-Dichloropropane
Concen: 53.539 ug/l
RT: 7.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

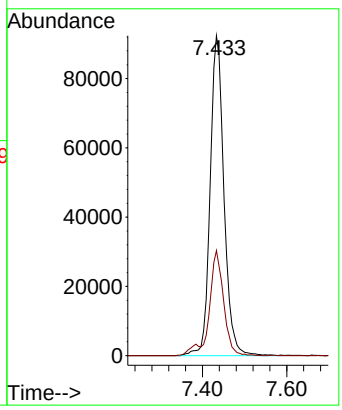
Tgt Ion: 63 Resp: 21086

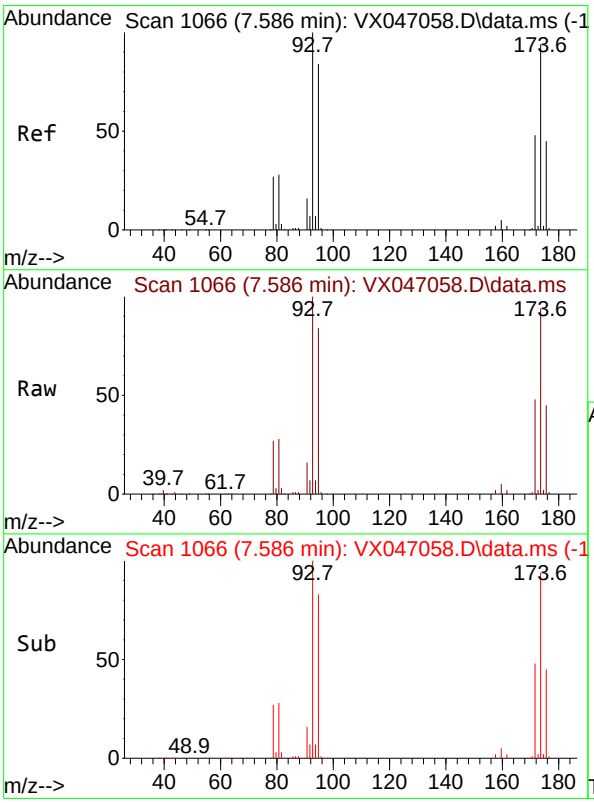
Ion	Ratio	Lower	Upper
63	100		
65	32.9	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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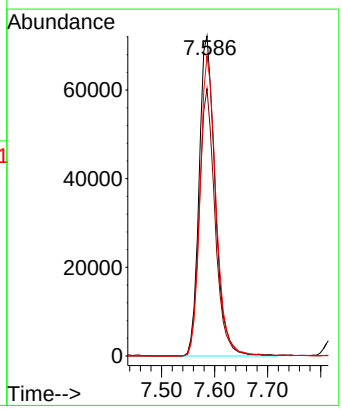


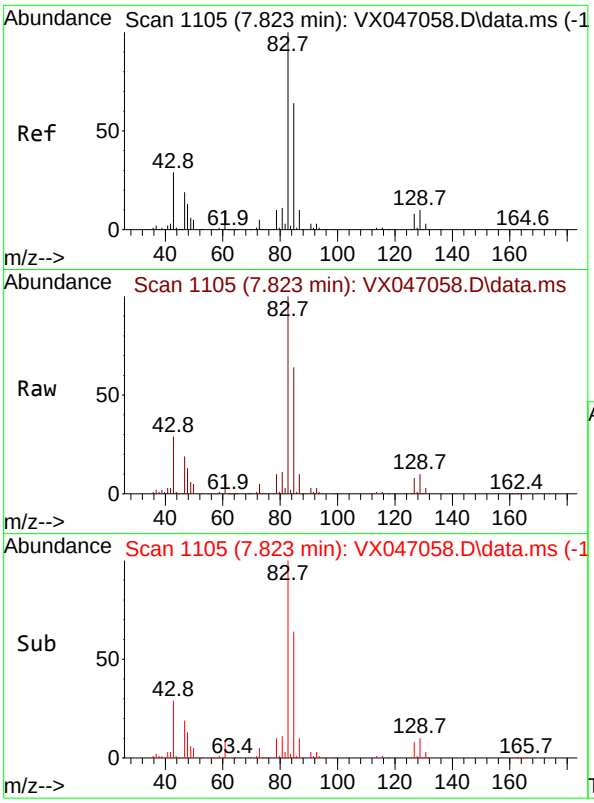


#46
Dibromomethane
Concen: 54.916 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 93 Resp: 151672

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.9	98.9
174	93.3	74.6	112.0

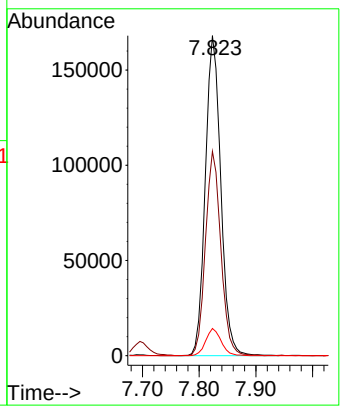




#47
Bromodichloromethane
Concen: 54.225 ug/l
RT: 7.823 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 83 Resp: 31877

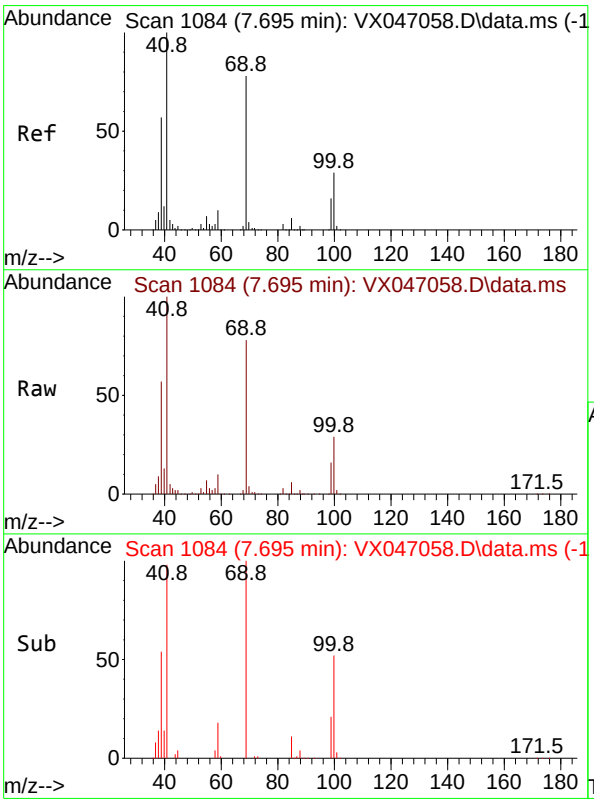
Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.9	74.9
127	8.3	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

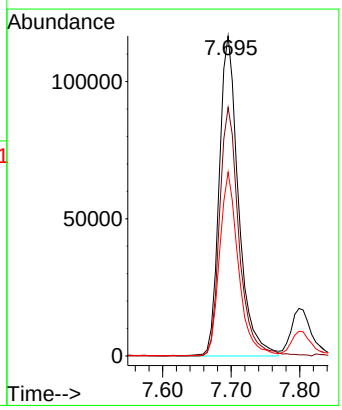
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

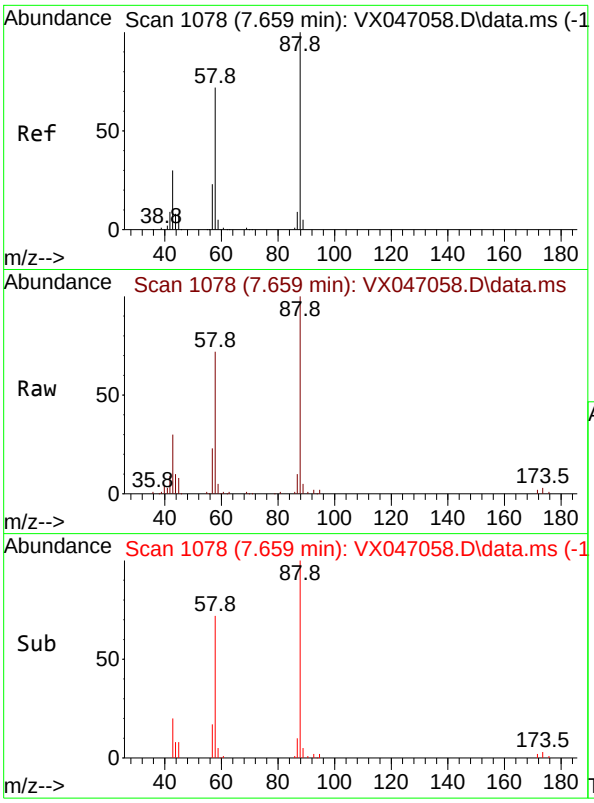


#48
Methyl methacrylate
Concen: 53.391 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 41 Resp: 227033

Ion	Ratio	Lower	Upper
41	100		
69	77.9	62.3	93.5
39	56.0	44.8	67.2





#49
1,4-Dioxane
Concen: 1114.967 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

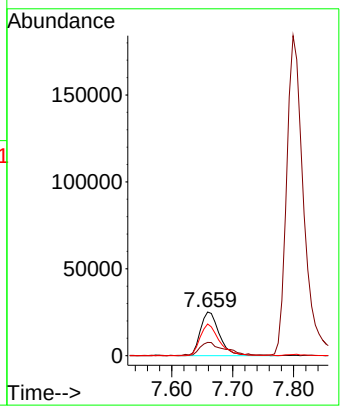
Tgt Ion: 88 Resp: 5392

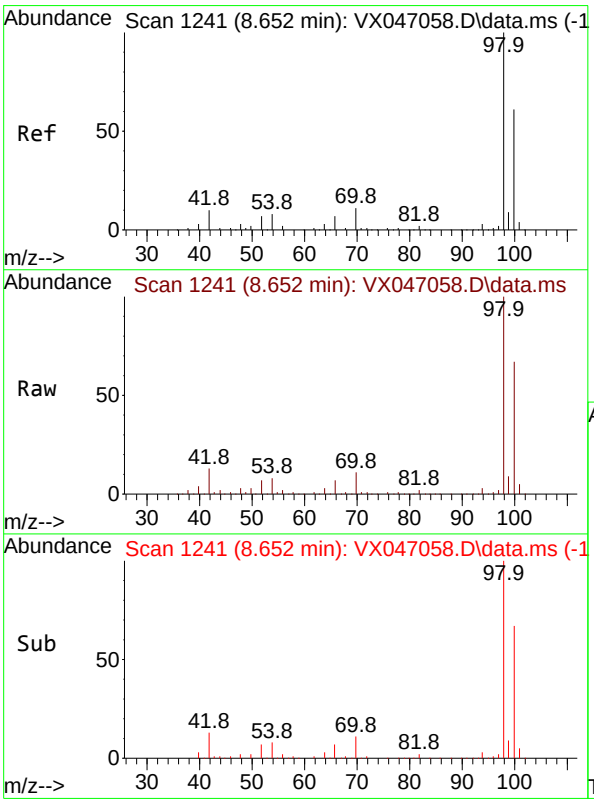
Ion	Ratio	Lower	Upper
88	100		
43	42.0	33.6	50.4
58	73.5	58.8	88.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

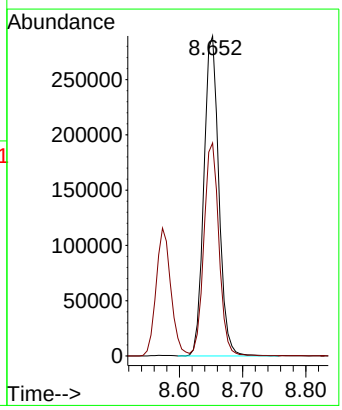


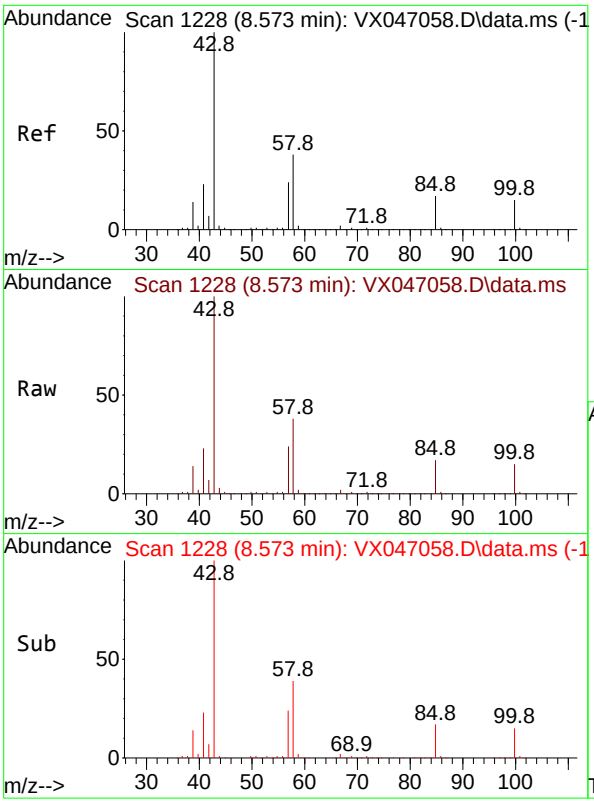


#50
Toluene-d8
Concen: 46.217 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 98 Resp: 477108

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9

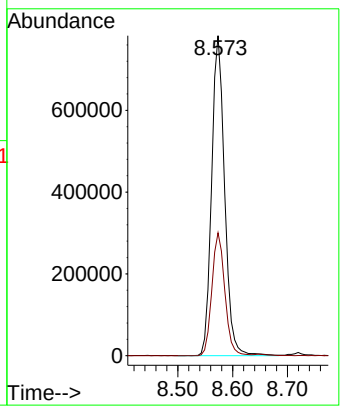




#51
4-Methyl-2-Pentanone
Concen: 276.384 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 43 Resp: 128229

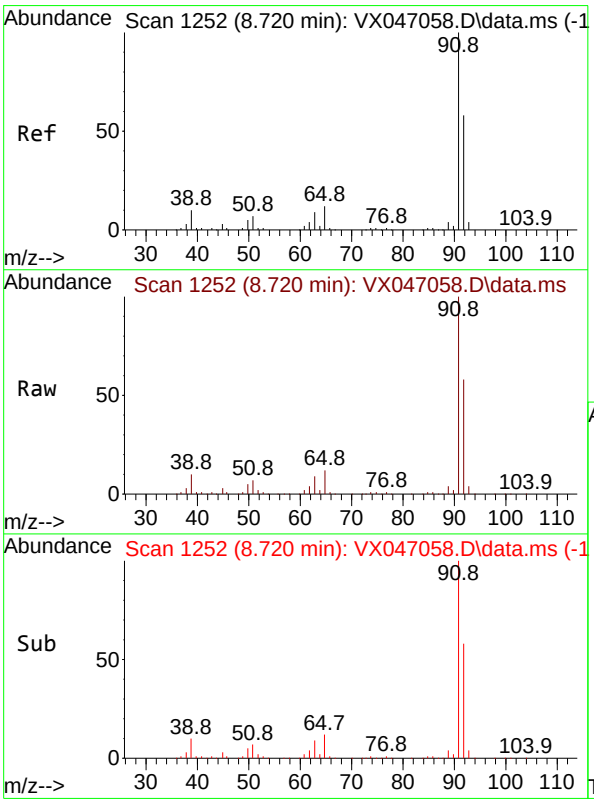
Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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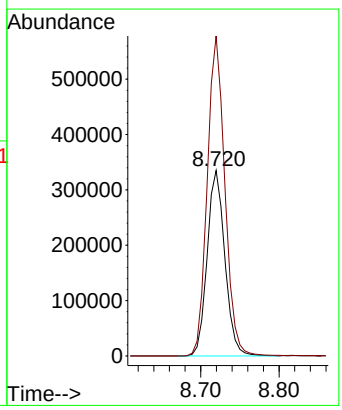
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

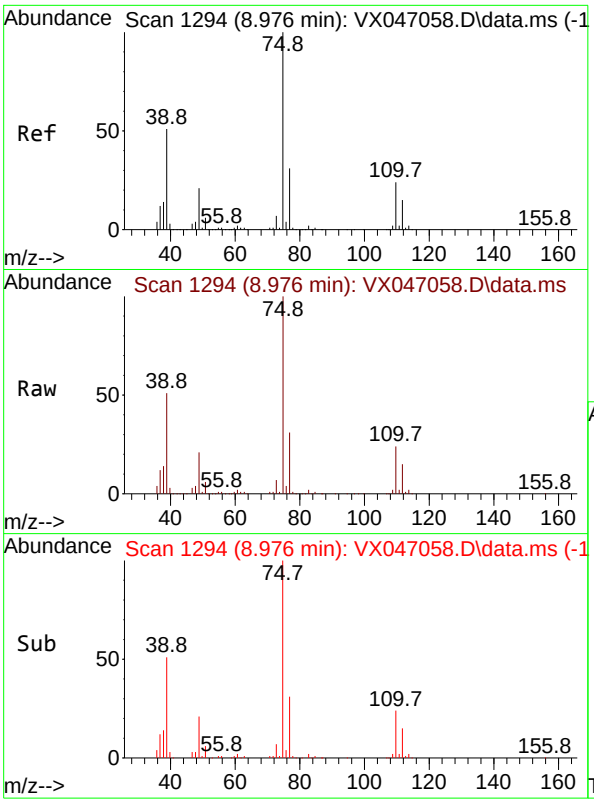


#52
Toluene
Concen: 54.288 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 92 Resp: 524916

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.9	206.9

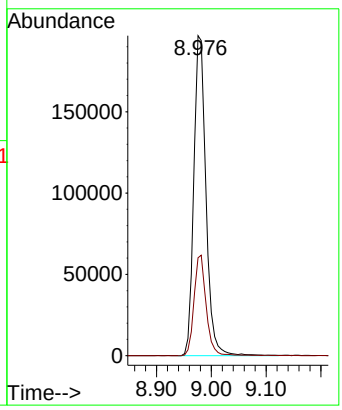




#53
t-1,3-Dichloropropene
Concen: 55.044 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 75 Resp: 30556

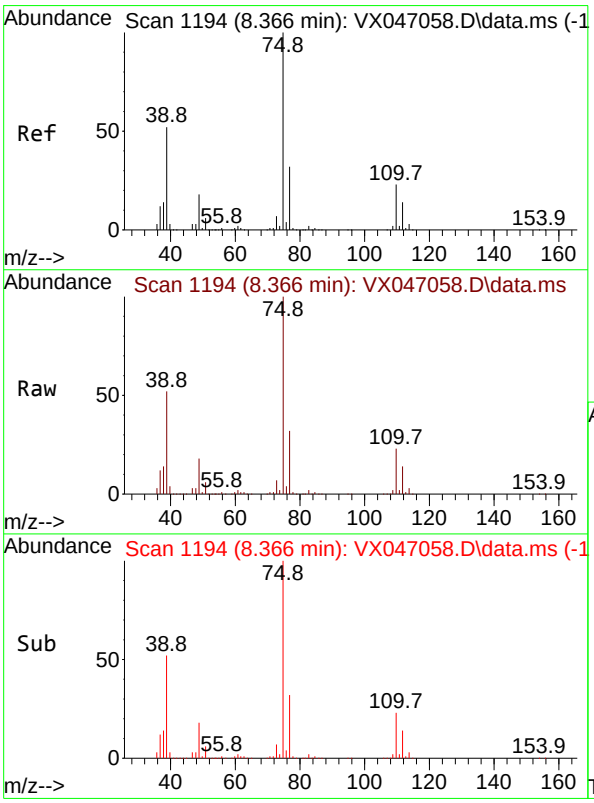
Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

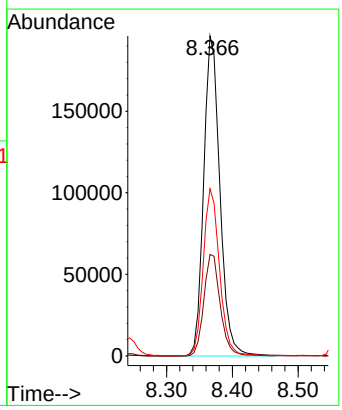
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

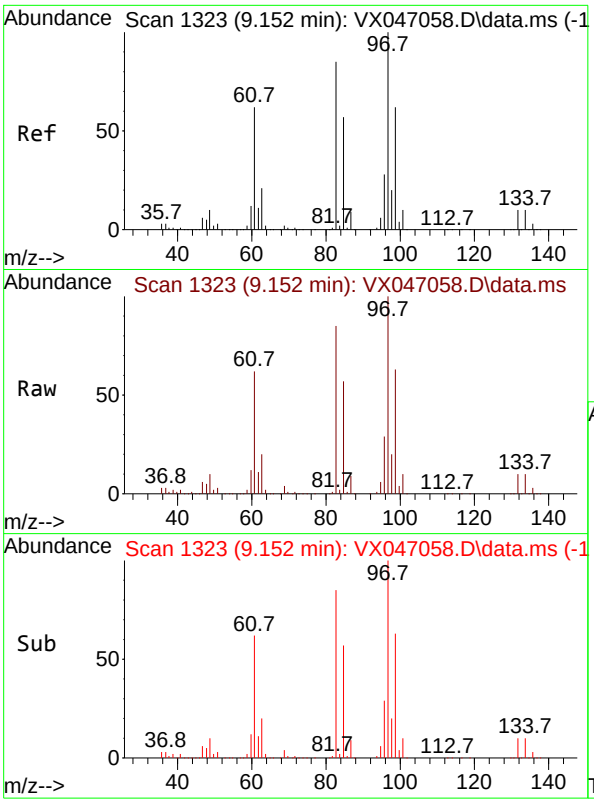


#54
cis-1,3-Dichloropropene
Concen: 55.475 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 75 Resp: 337057

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	52.2	41.8	62.6

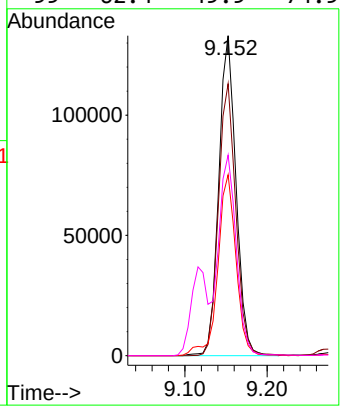




#55
1,1,2-Trichloroethane
Concen: 53.587 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 97 Resp: 19431

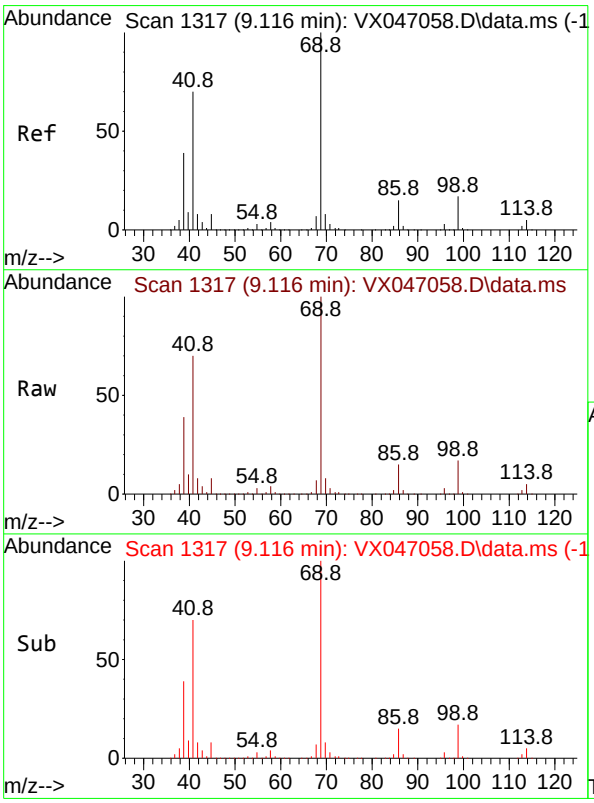
Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.0	102.0
85	56.5	45.2	67.8
99	62.4	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

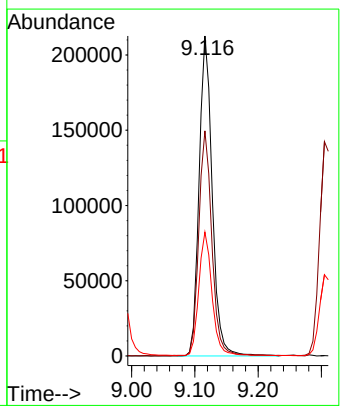
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

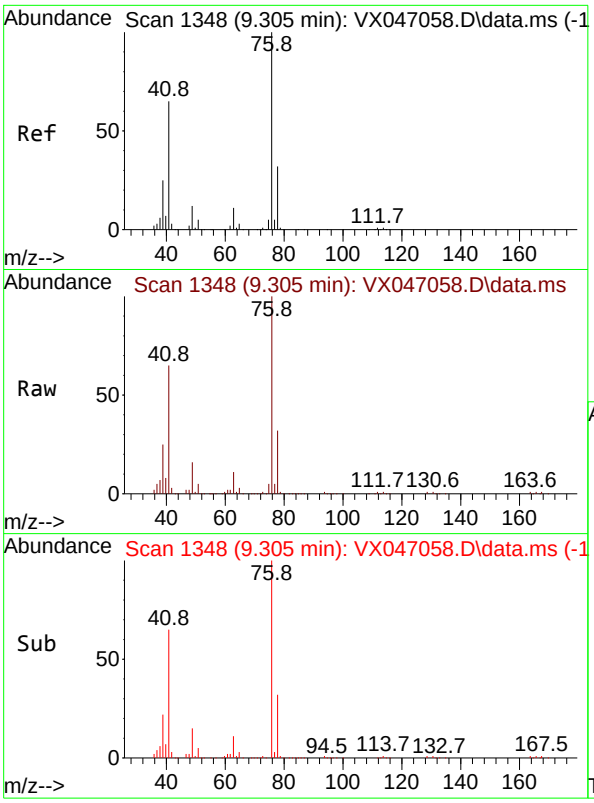


#56
Ethyl methacrylate
Concen: 57.281 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 69 Resp: 307494

Ion	Ratio	Lower	Upper
69	100		
41	70.1	56.1	84.1
39	38.9	31.1	46.7





#57
1,3-Dichloropropane
Concen: 53.491 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

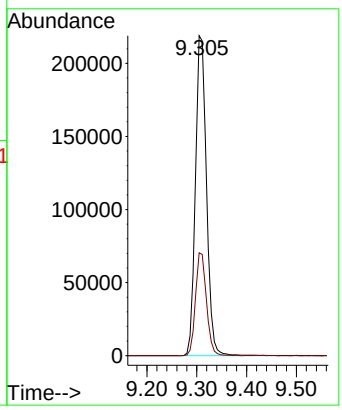
Tgt Ion: 76 Resp: 33710

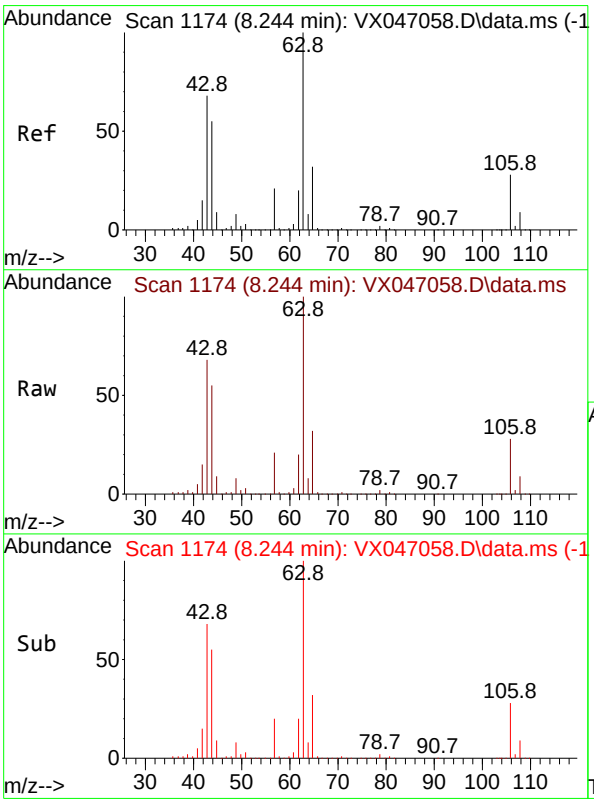
Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

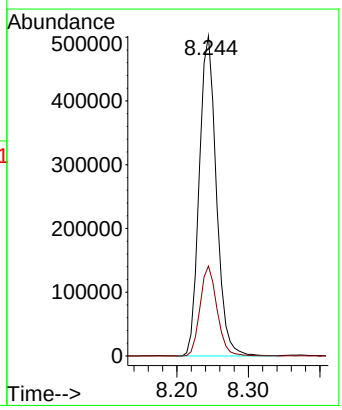


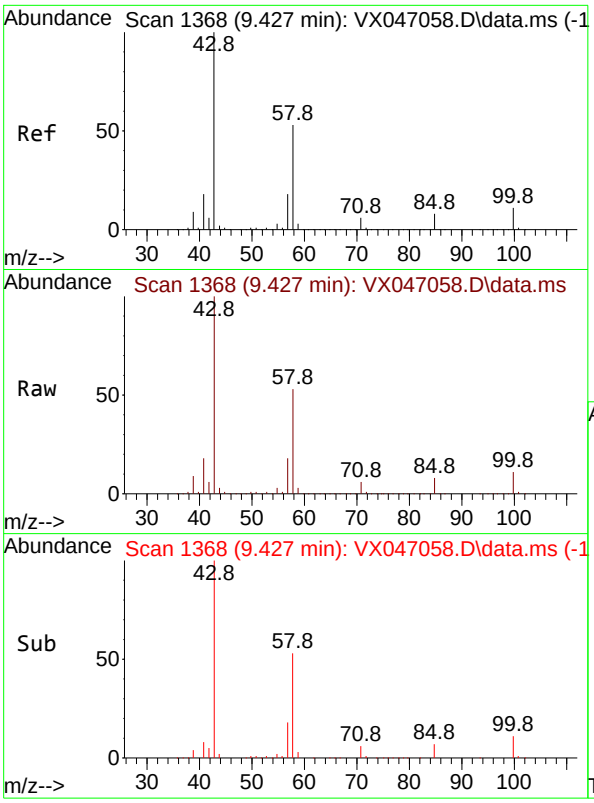


#58
2-Chloroethyl Vinyl ether
Concen: 278.917 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 63 Resp: 833190

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.2	33.4

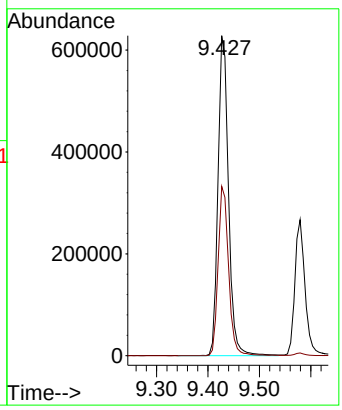




#59
2-Hexanone
Concen: 289.252 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 43 Resp: 88663

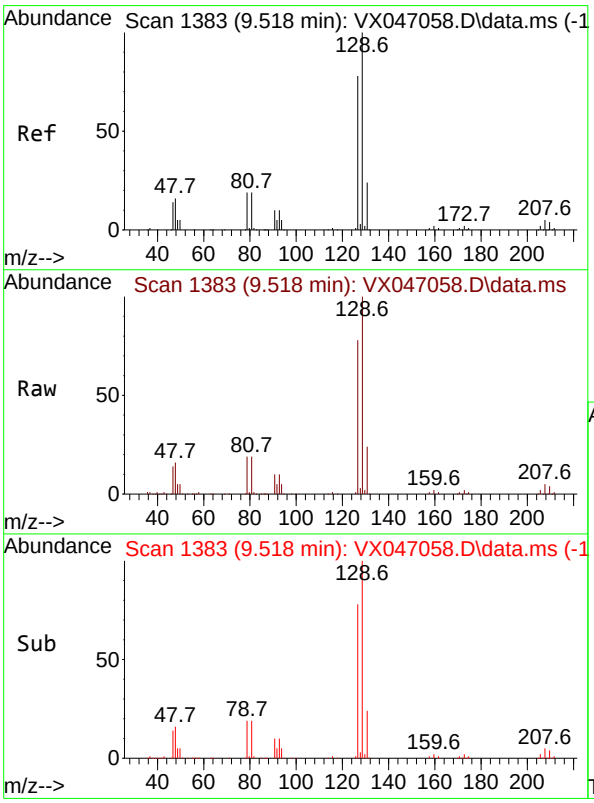
Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

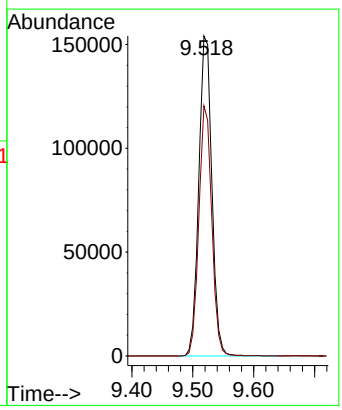
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

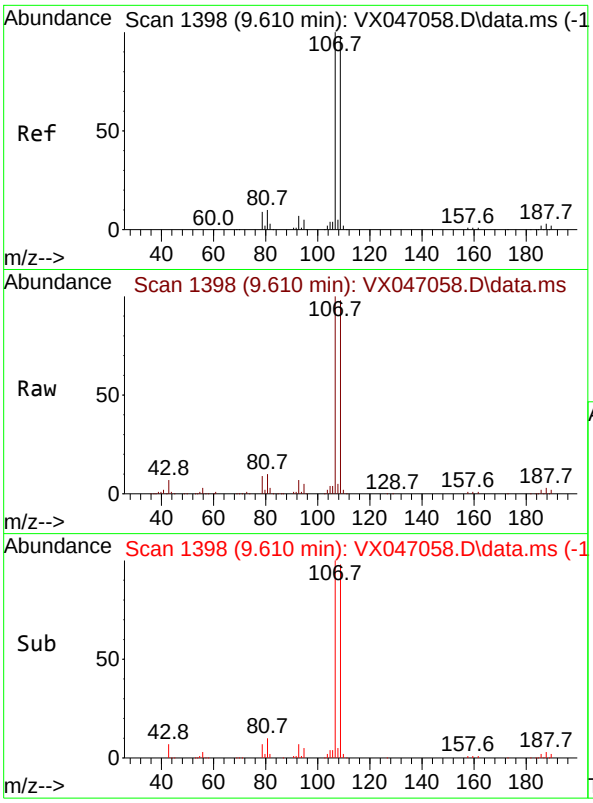


#60
Dibromochloromethane
Concen: 53.881 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:129 Resp: 229147

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8

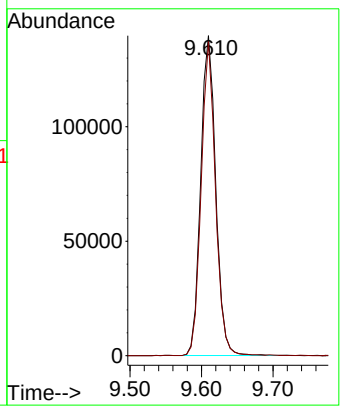




#61
1,2-Dibromoethane
Concen: 53.823 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:107 Resp: 20407

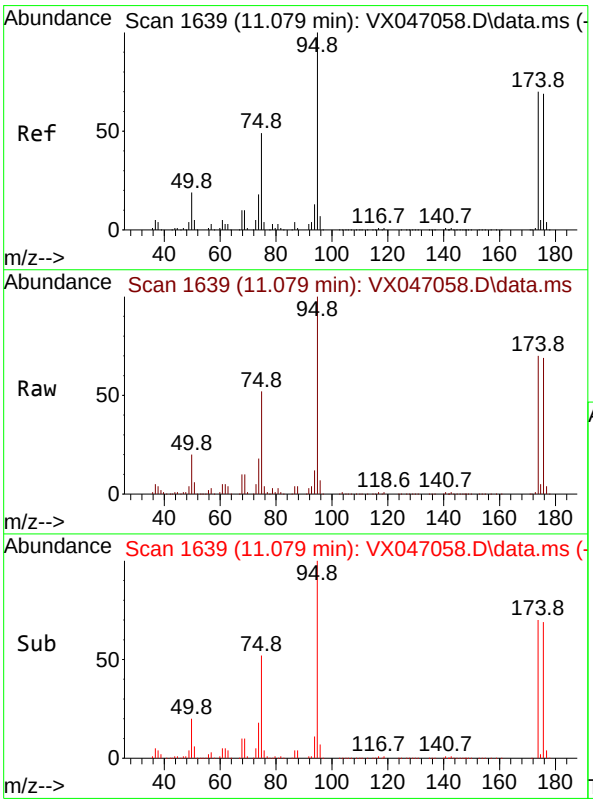
Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

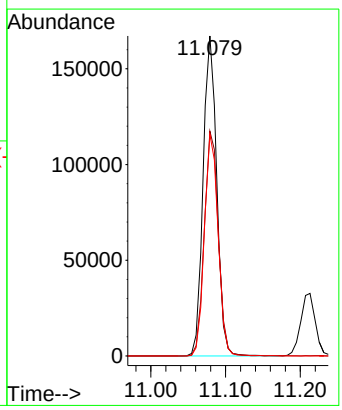
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

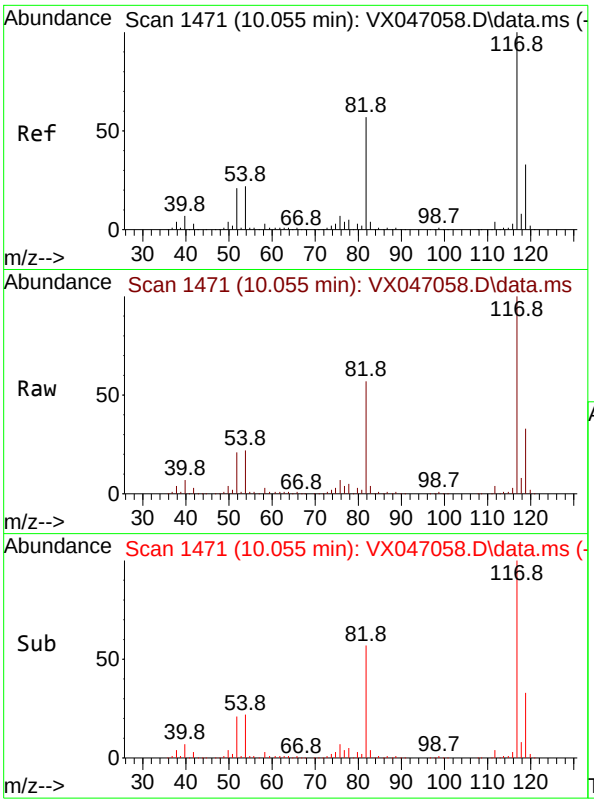


#62
4-Bromofluorobenzene
Concen: 47.473 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 95 Resp: 211198

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	144.6
176	69.8	0.0	139.6

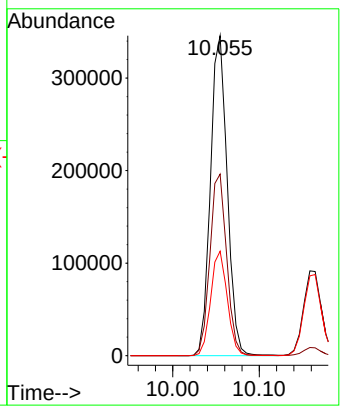




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:117 Resp: 46456

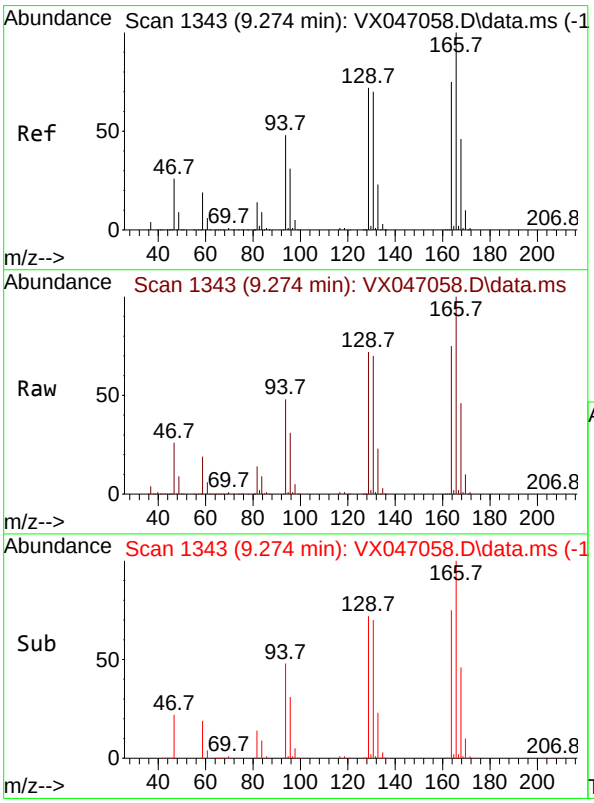
Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.4	68.2
119	32.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

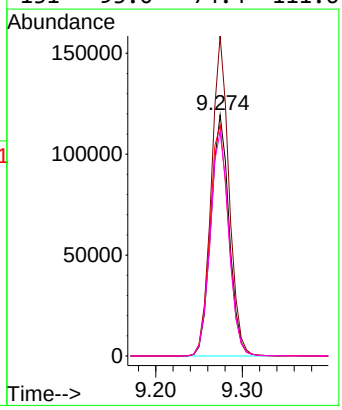
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

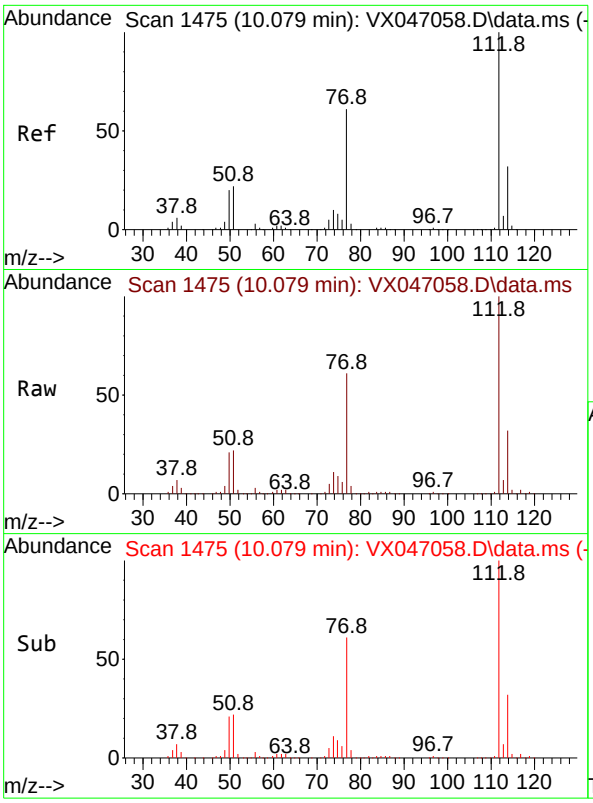


#64
Tetrachloroethene
Concen: 52.173 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:164 Resp: 174727

Ion	Ratio	Lower	Upper
164	100		
166	132.8	106.2	159.4
129	95.7	76.6	114.8
131	93.0	74.4	111.6

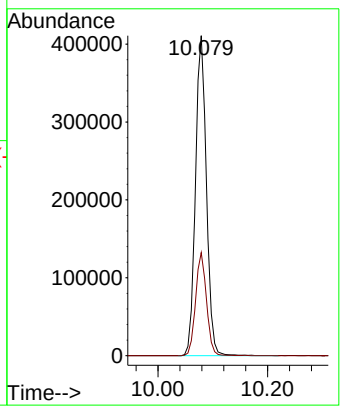




#65
Chlorobenzene
Concen: 52.530 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:112 Resp: 57169

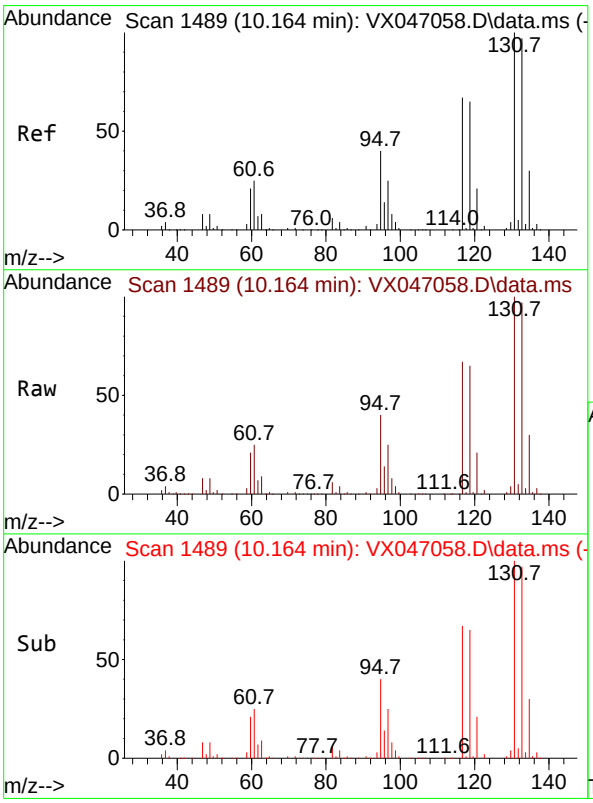
Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

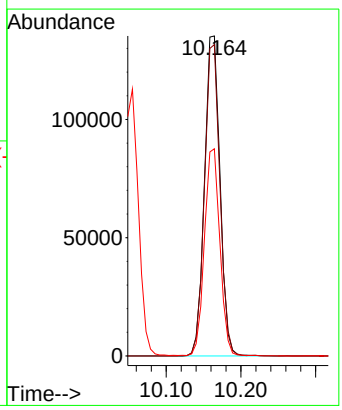
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

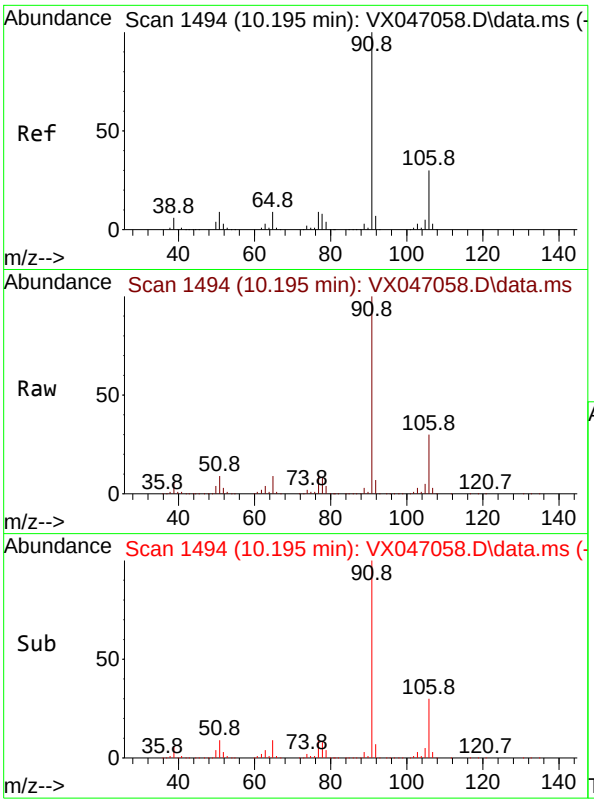


#66
1,1,1,2-Tetrachloroethane
Concen: 53.158 ug/l
RT: 10.164 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:131 Resp: 194777

Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.4	145.3
119	64.7	32.4	97.0

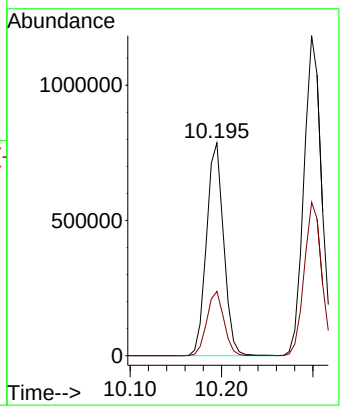




#67
Ethyl Benzene
Concen: 53.812 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 91 Resp: 102398

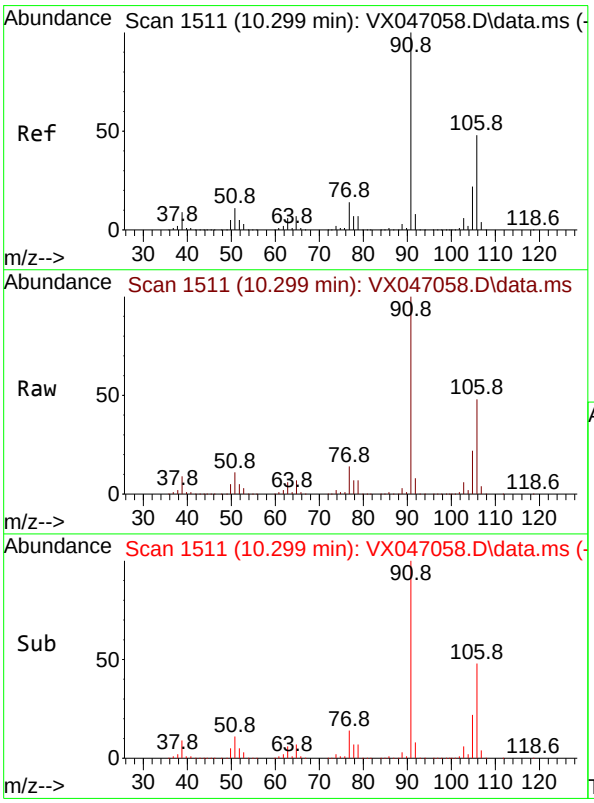
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

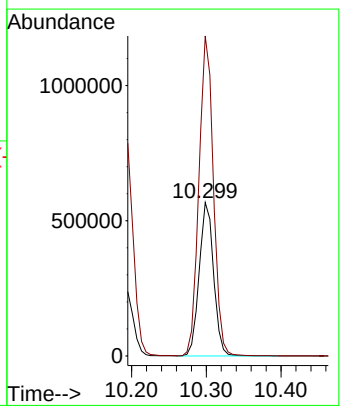
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

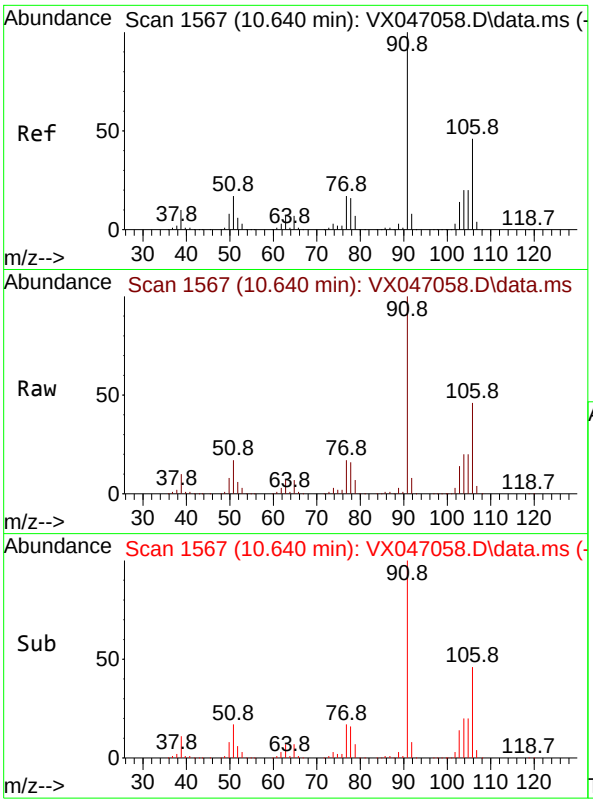


#68
m/p-Xylenes
Concen: 106.683 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:106 Resp: 759689

Ion	Ratio	Lower	Upper
106	100		
91	209.2	167.4	251.0

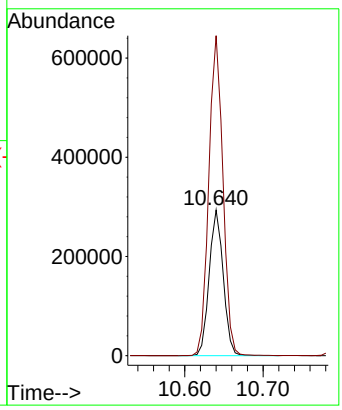




#69
o-Xylene
Concen: 53.834 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:106 Resp: 36468

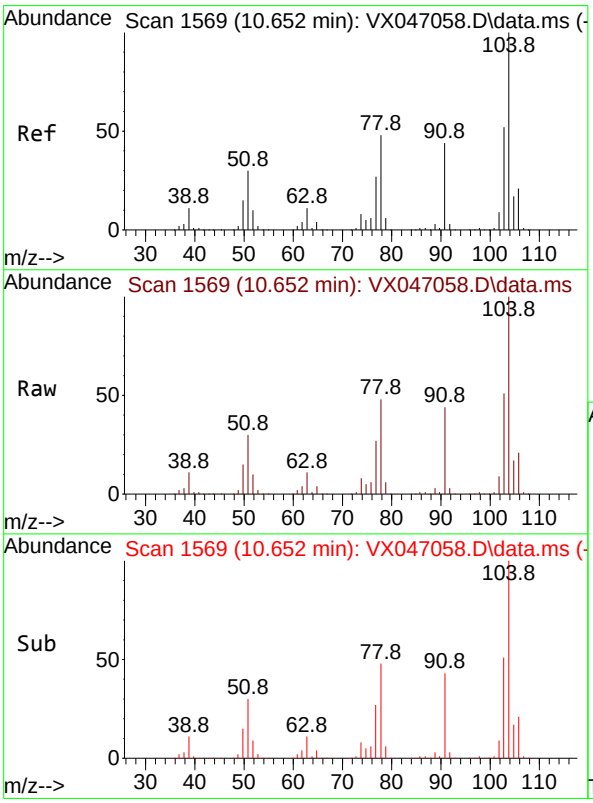
Ion	Ratio	Lower	Upper
106	100		
91	220.7	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

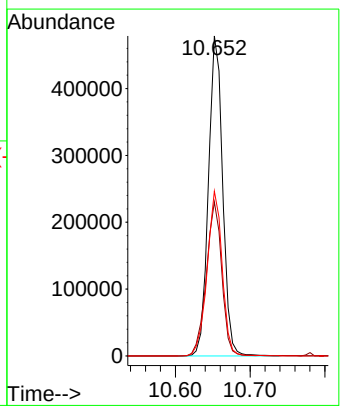
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

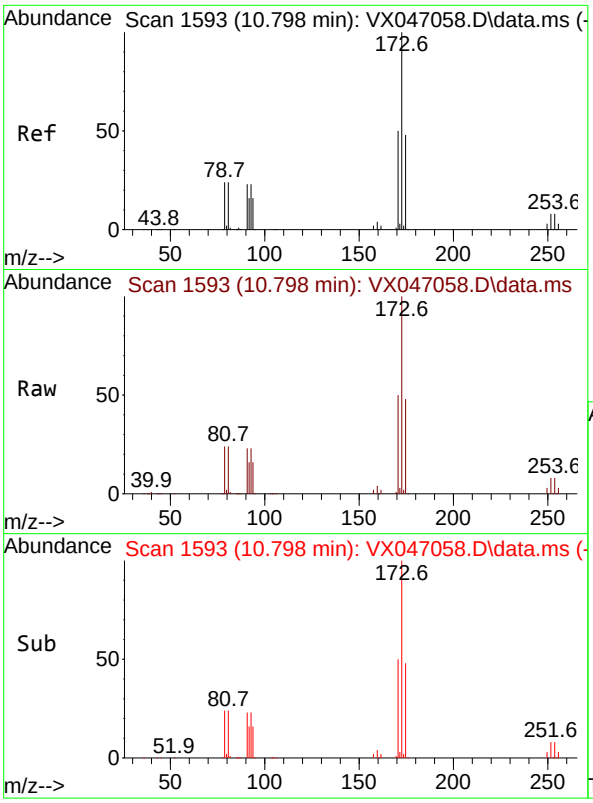


#70
Styrene
Concen: 54.447 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:104 Resp: 632474

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.0	63.0
103	54.7	43.8	65.6

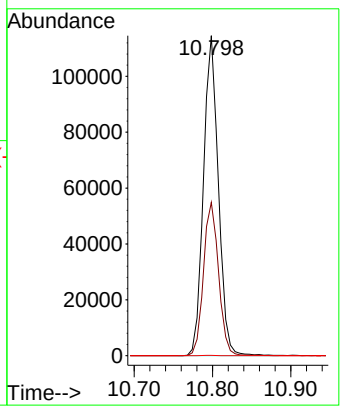




#71
Bromoform
Concen: 54.228 ug/l
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:173 Resp: 15093

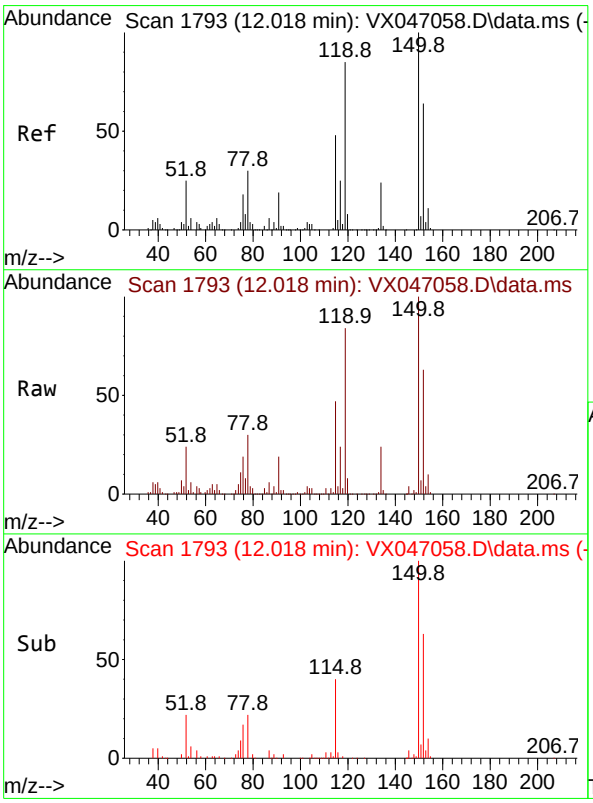
Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

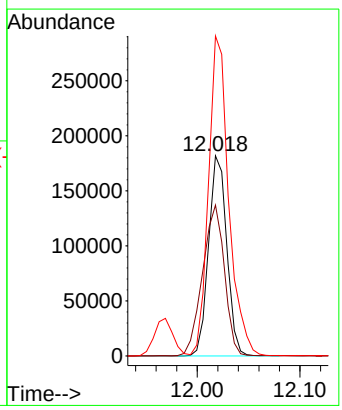
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

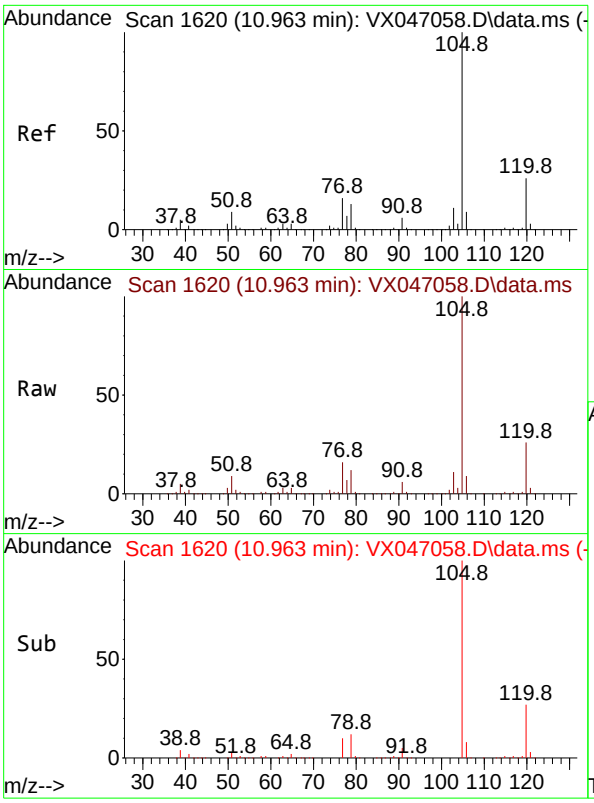


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:152 Resp: 223799

Ion	Ratio	Lower	Upper
152	100		
115	91.1	45.6	136.7
150	177.3	0.0	354.6

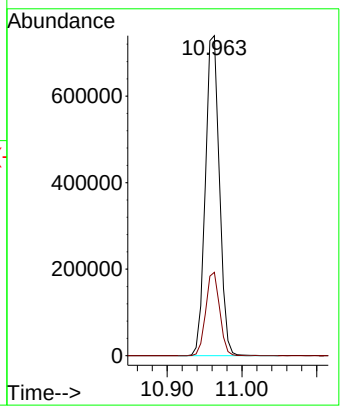




#73
Isopropylbenzene
Concen: 54.621 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:105 Resp: 96441

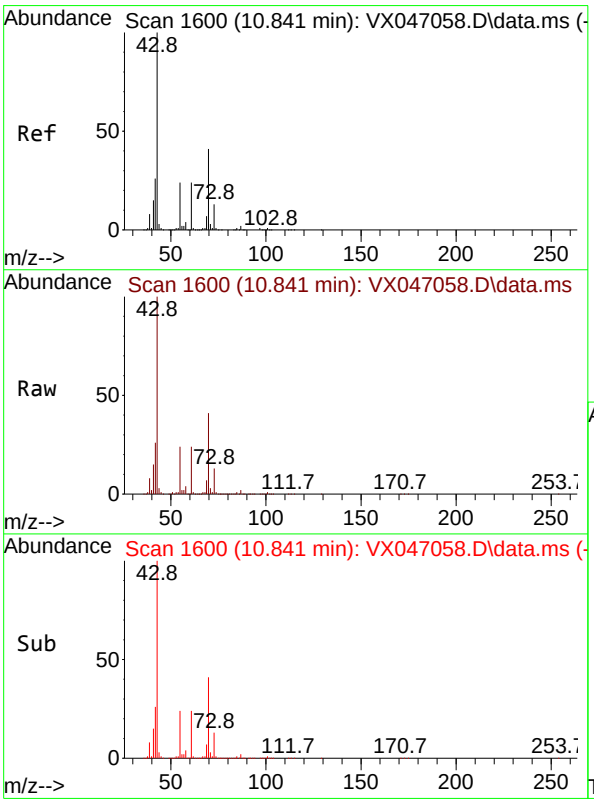
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

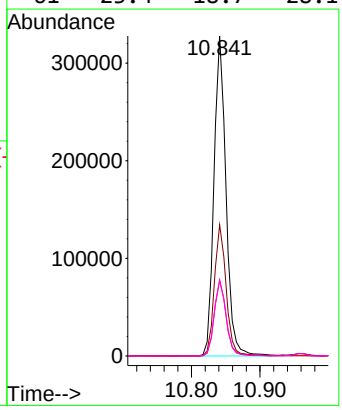
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

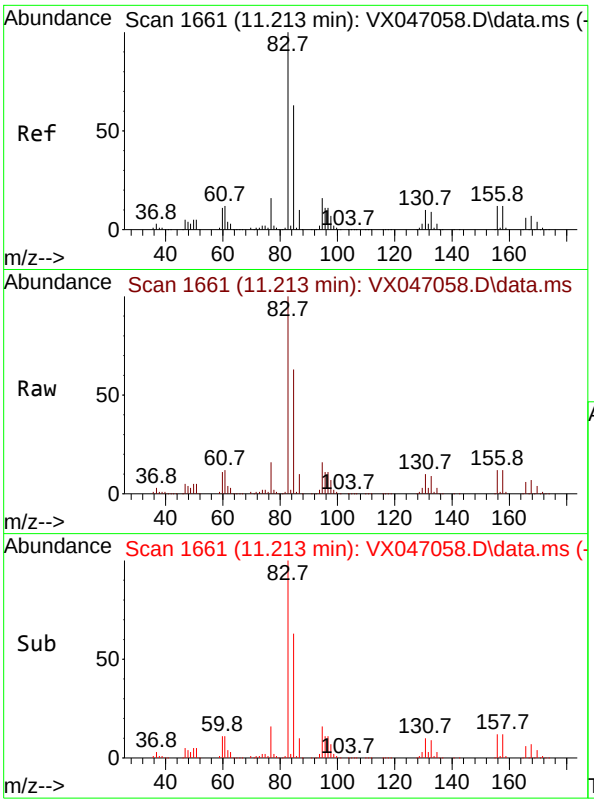


#74
N-amyl acetate
Concen: 56.697 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 43 Resp: 399297

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.3	48.5
55	23.6	18.9	28.3
61	23.4	18.7	28.1

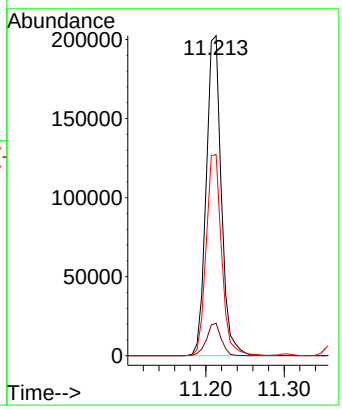




#75
1,1,2,2-Tetrachloroethane
Concen: 53.670 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 83 Resp: 27068

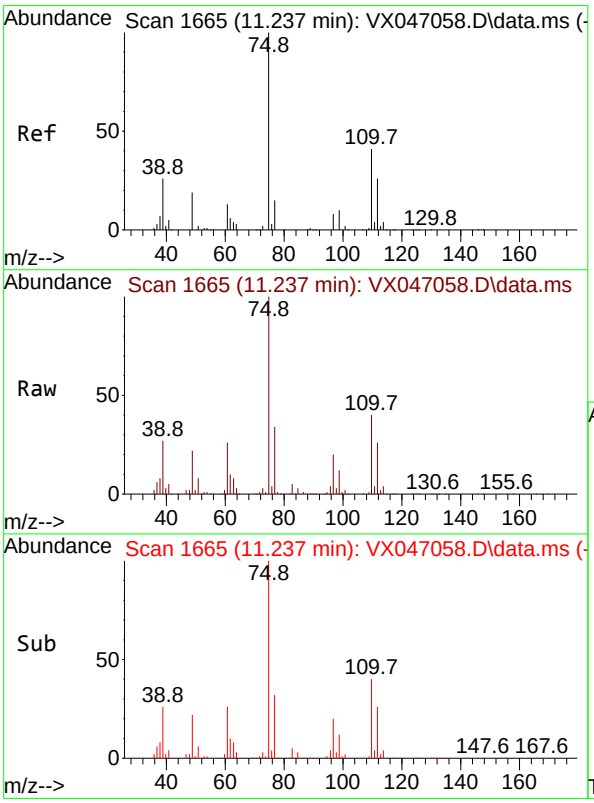
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.1	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

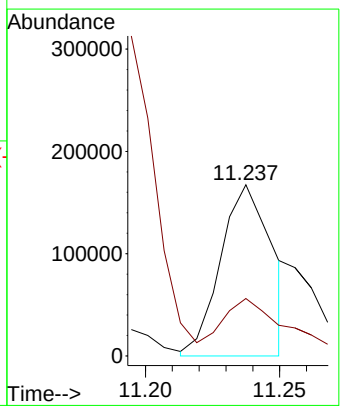
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

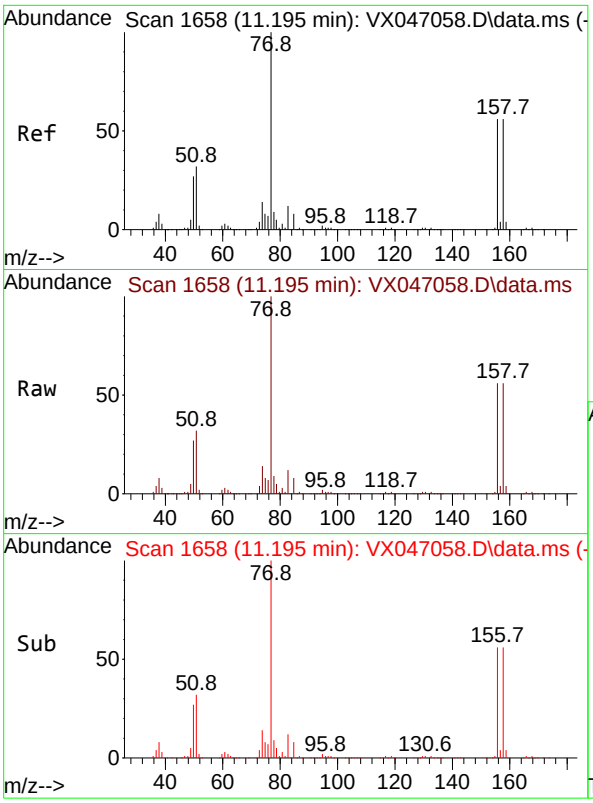


#76
1,2,3-Trichloropropane
Concen: 53.523 ug/l m
RT: 11.237 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 75 Resp: 221713

Ion	Ratio	Lower	Upper
75	100		
77	43.3	21.6	65.0





#77
Bromobenzene
Concen: 53.727 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

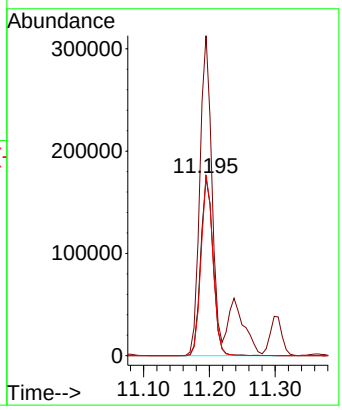
Tgt Ion:156 Resp: 22753

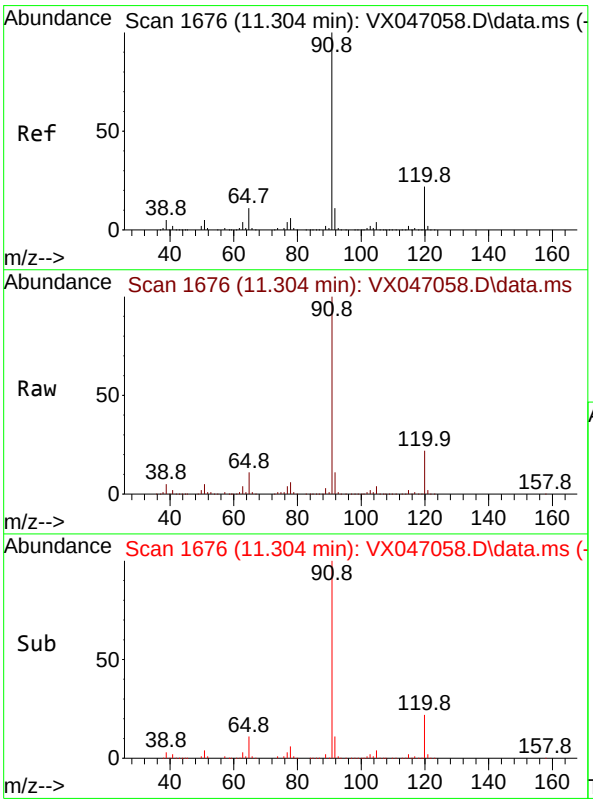
Ion	Ratio	Lower	Upper
156	100		
77	174.6	87.3	261.9
158	97.7	48.9	146.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

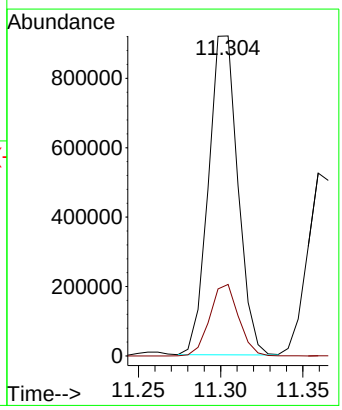


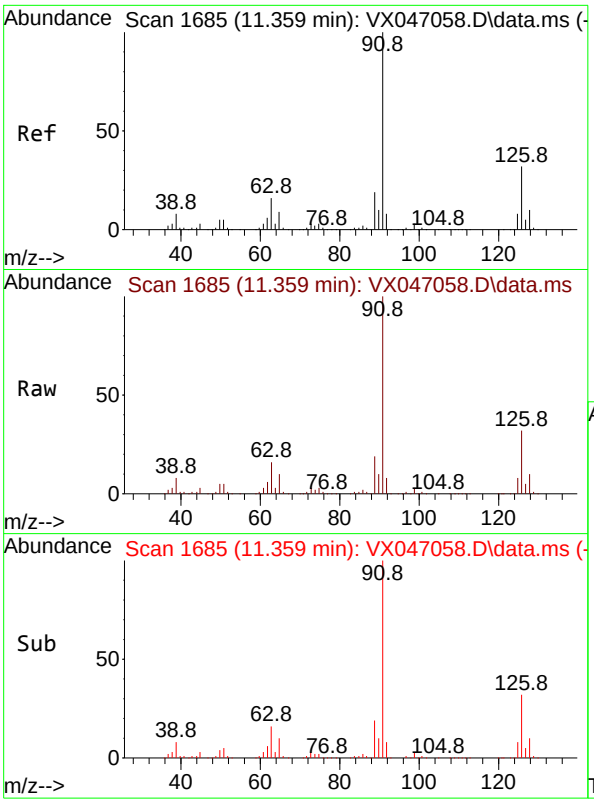


#78
n-propylbenzene
Concen: 54.290 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 91 Resp: 1145472

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0





#79
2-Chlorotoluene
Concen: 53.739 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

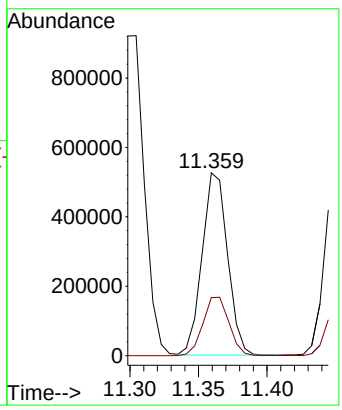
Tgt Ion: 91 Resp: 67777

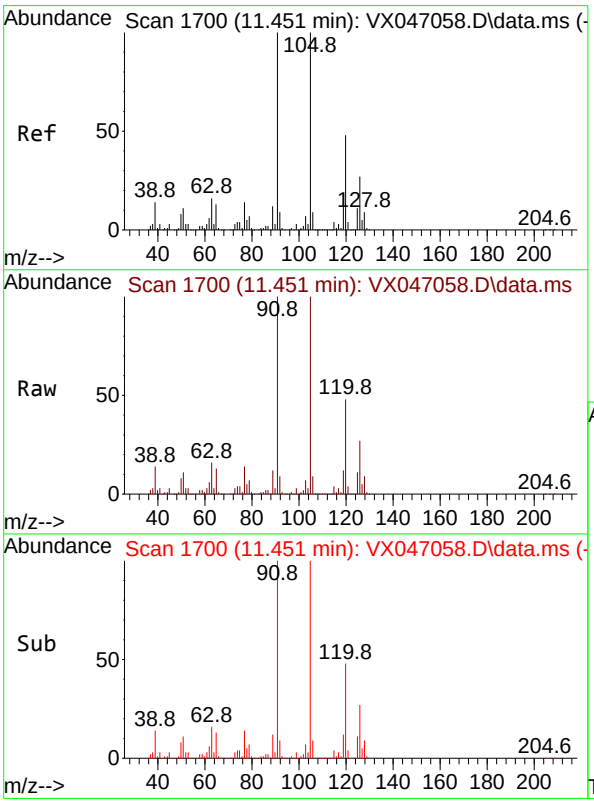
Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

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

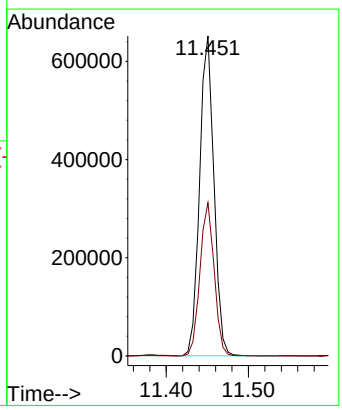


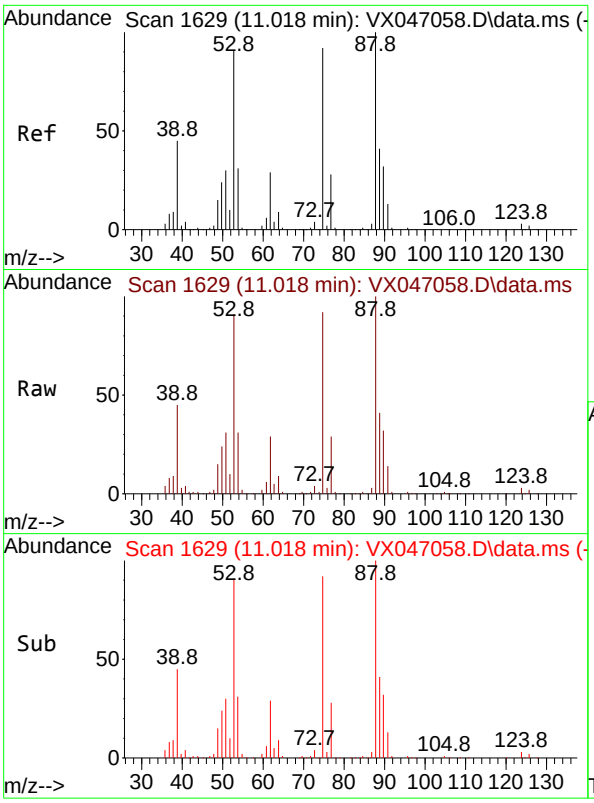


#80
1,3,5-Trimethylbenzene
Concen: 54.057 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:105 Resp: 788518

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 54.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

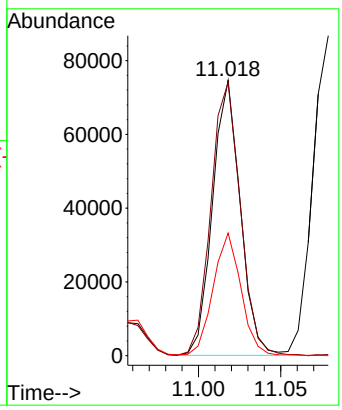
Tgt Ion: 75 Resp: 8753

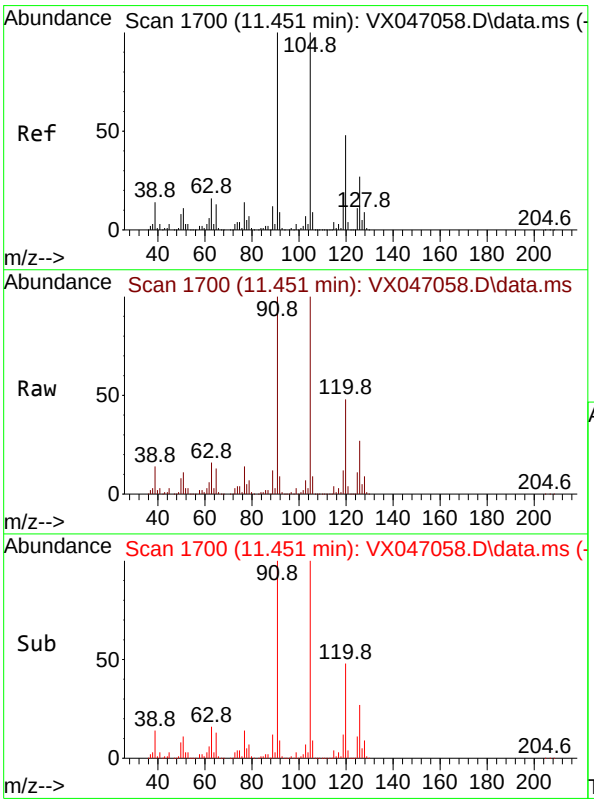
Ion	Ratio	Lower	Upper
75	100		
53	105.3	84.2	126.4
89	45.0	36.0	54.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

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

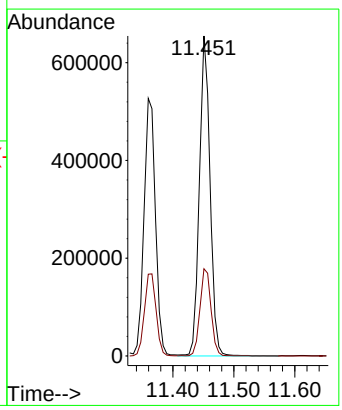


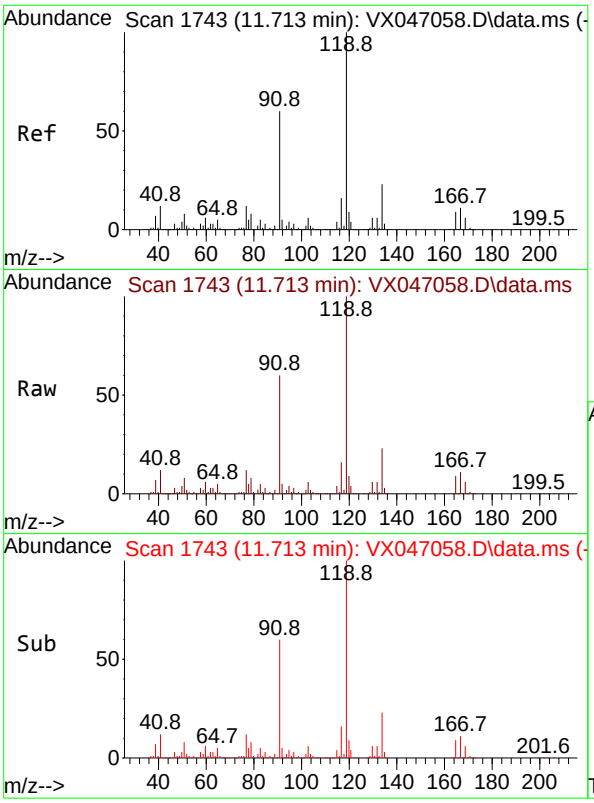


#82
4-Chlorotoluene
Concen: 54.249 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 91 Resp: 798628

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.3

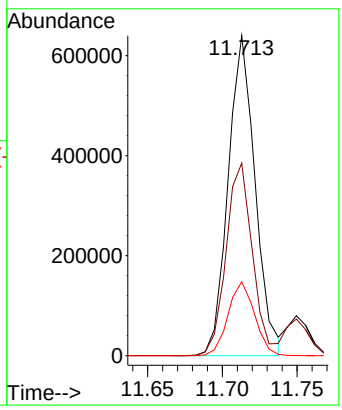




#83
tert-Butylbenzene
Concen: 54.819 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:119 Resp: 80259

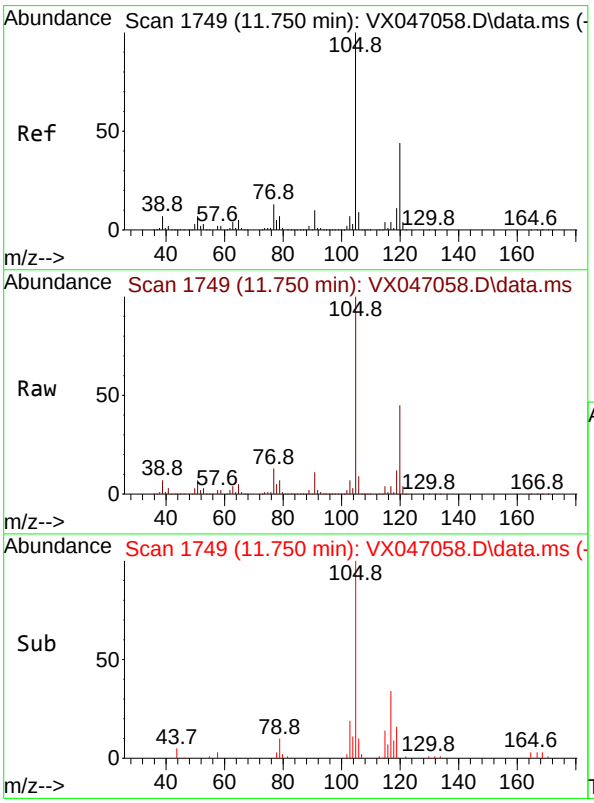
Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	22.7	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations
APPROVED

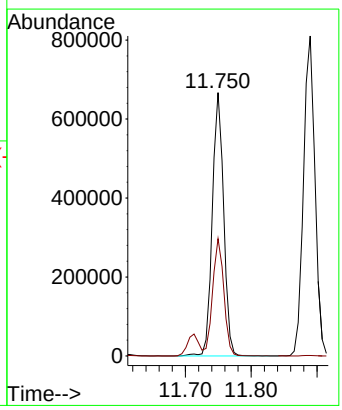
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

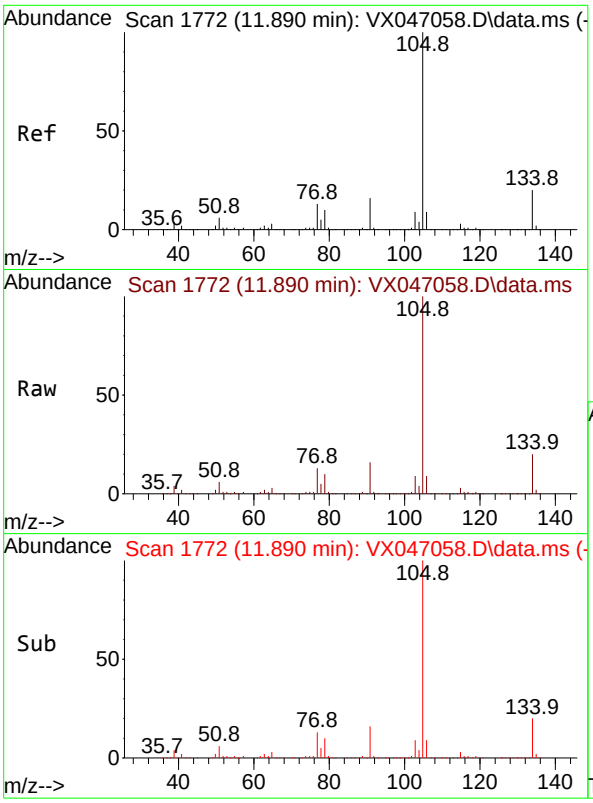


#84
1,2,4-Trimethylbenzene
Concen: 55.018 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:105 Resp: 800479

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.0	66.0

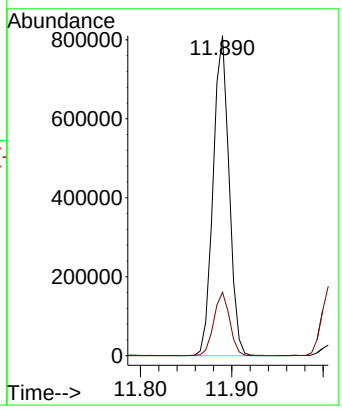




#85
sec-Butylbenzene
Concen: 53.809 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:105 Resp: 98432

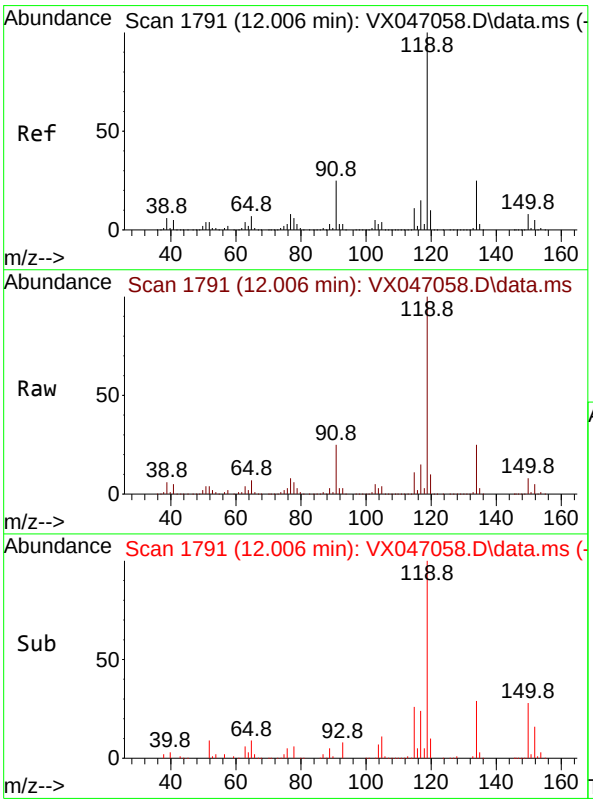
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

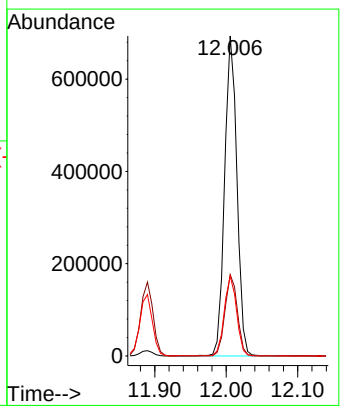
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

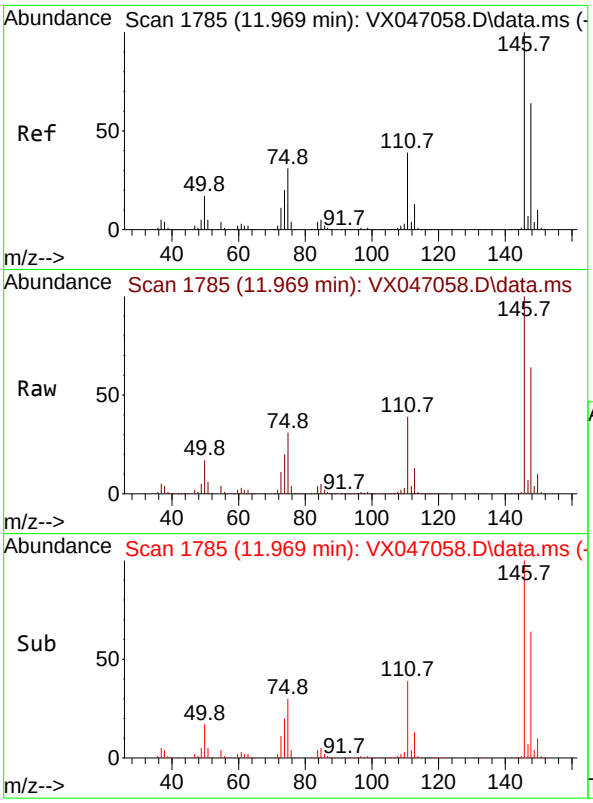


#86
p-Isopropyltoluene
Concen: 54.651 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:119 Resp: 829044

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.4
91	24.9	12.4	37.4

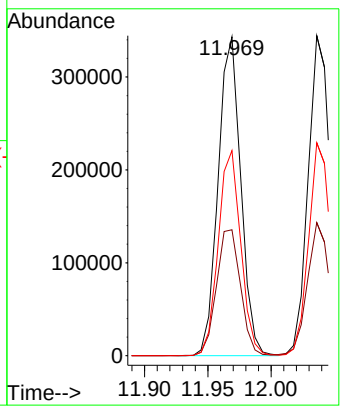




#87
1,3-Dichlorobenzene
Concen: 53.079 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:146 Resp: 42710

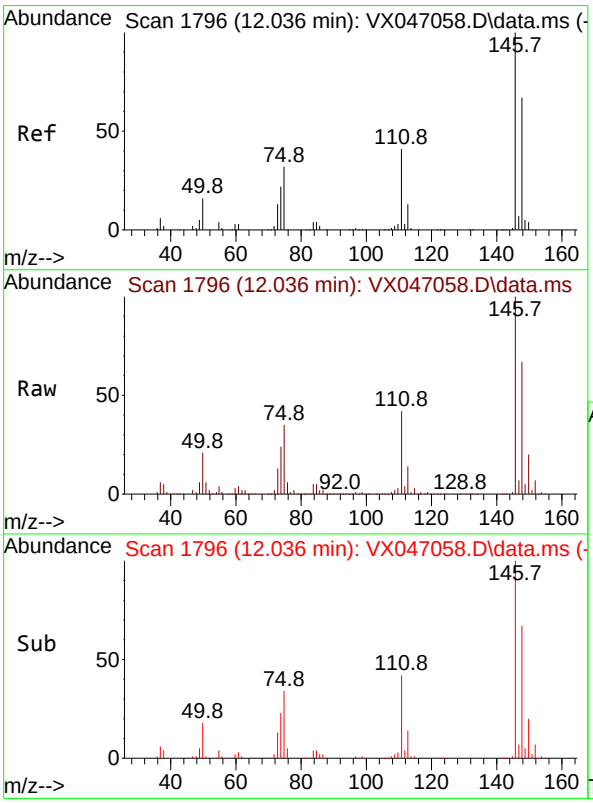
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	64.0	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

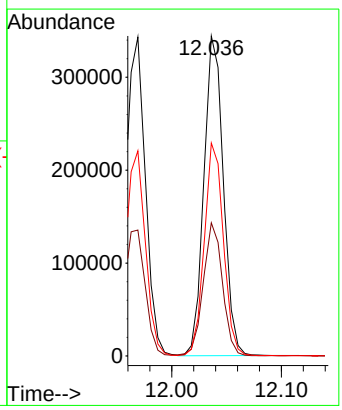
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

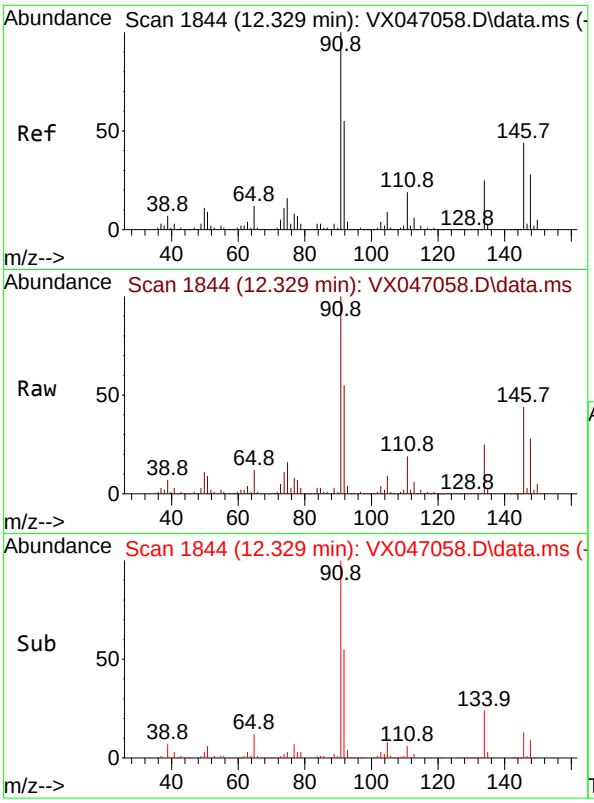


#88
1,4-Dichlorobenzene
Concen: 51.978 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:146 Resp: 423743

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.6	61.9
148	65.9	33.0	98.9

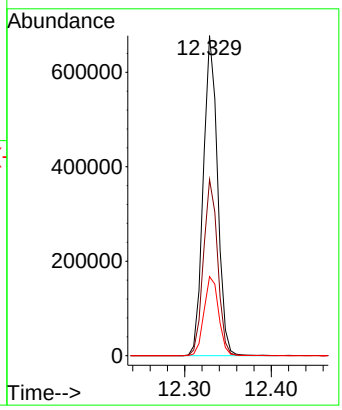




#89
n-Butylbenzene
Concen: 54.372 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 91 Resp: 77350

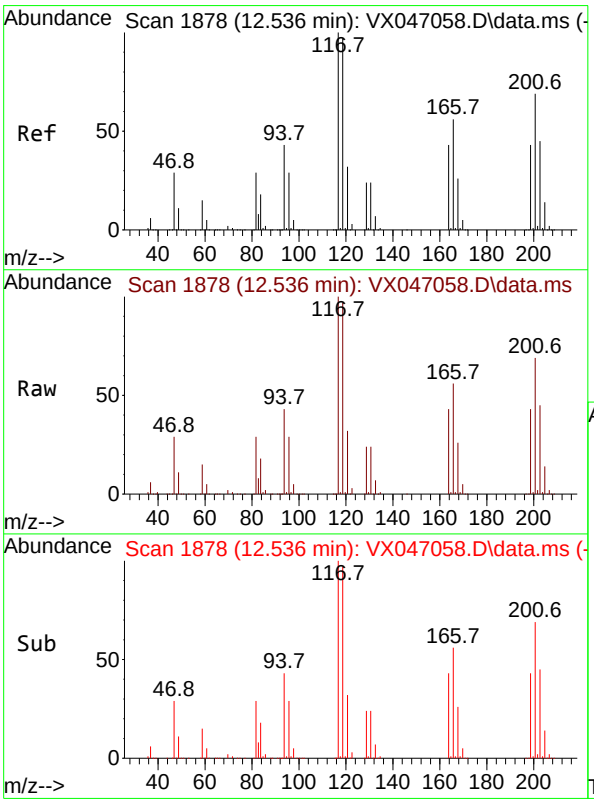
Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.5	82.5
134	25.5	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

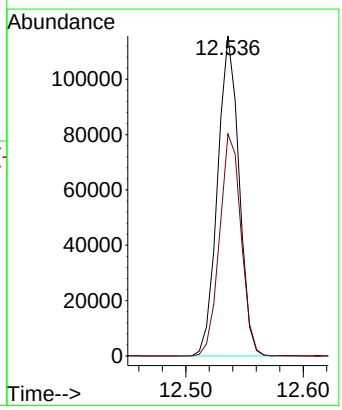
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

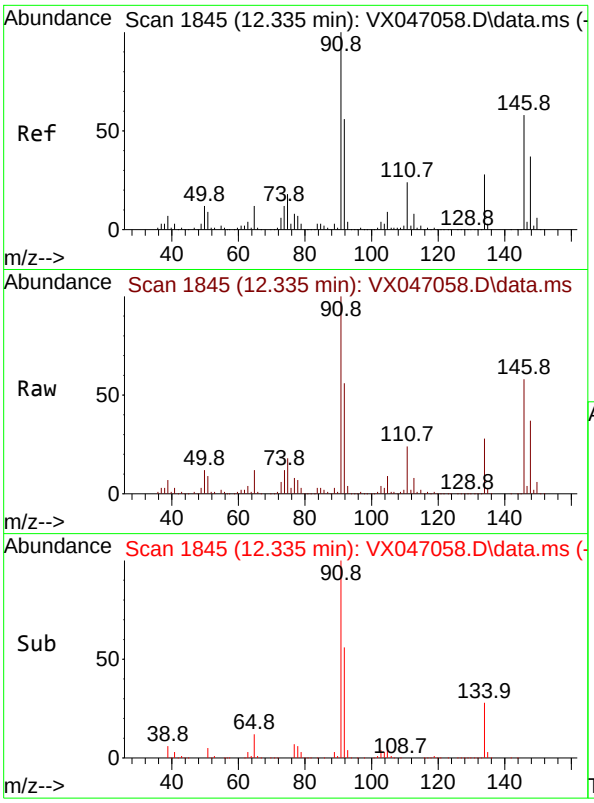


#90
Hexachloroethane
Concen: 54.011 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:117 Resp: 146577

Ion	Ratio	Lower	Upper
117	100		
201	69.7	34.8	104.5

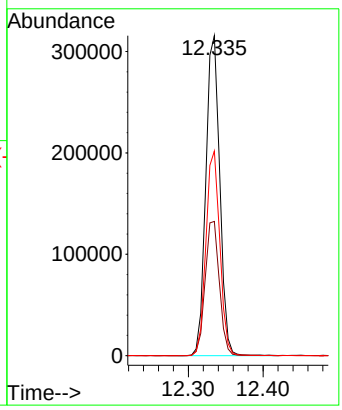




#91
1,2-Dichlorobenzene
Concen: 53.076 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:146 Resp: 40819

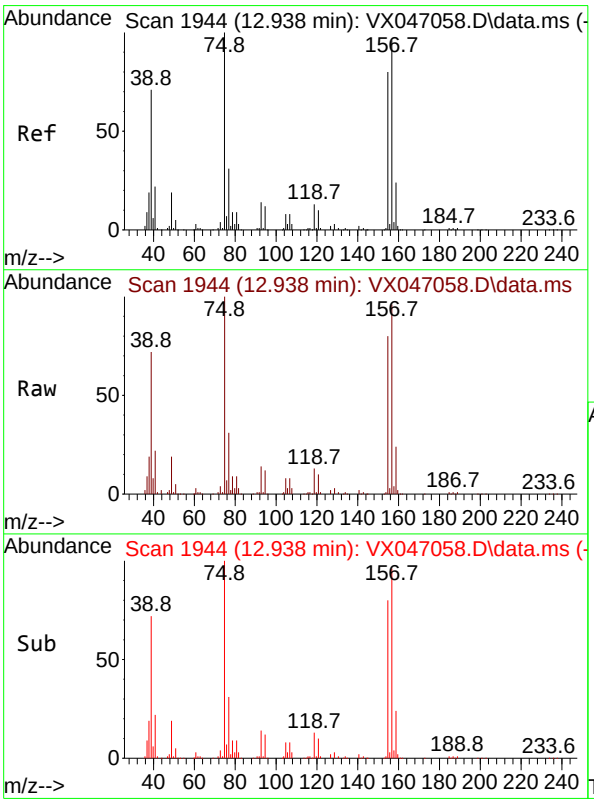
Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

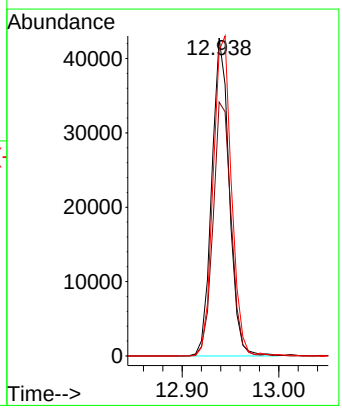
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

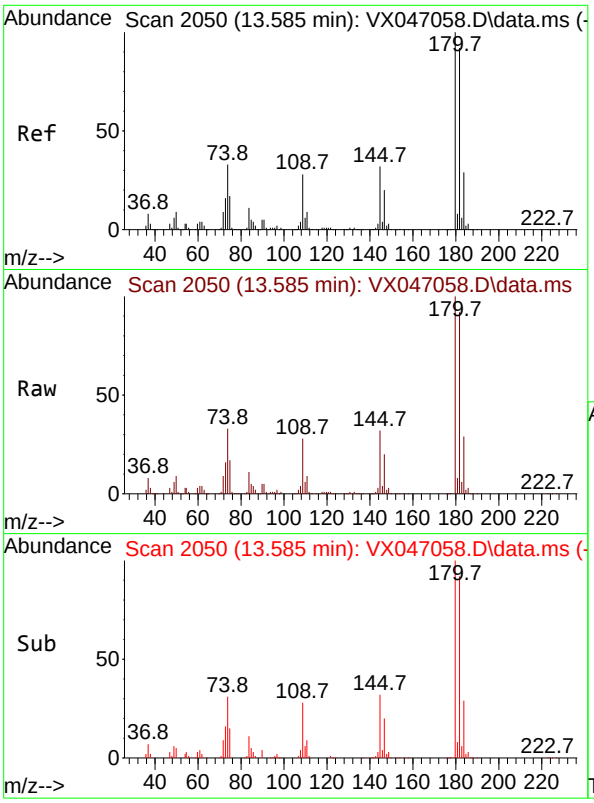


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.328 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 75 Resp: 53563

Ion	Ratio	Lower	Upper
75	100		
155	82.7	41.3	124.1
157	105.5	52.8	158.3

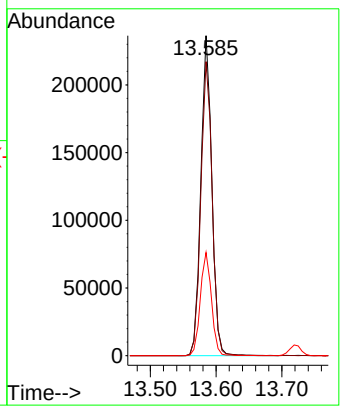




#93
1,2,4-Trichlorobenzene
Concen: 53.926 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:180 Resp: 27401

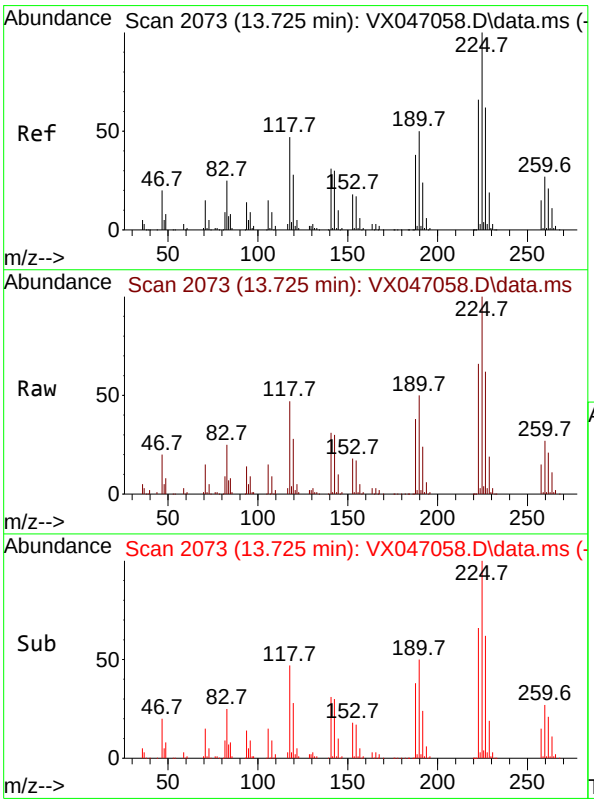
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	32.7	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

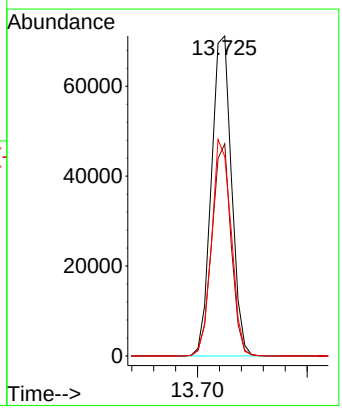
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

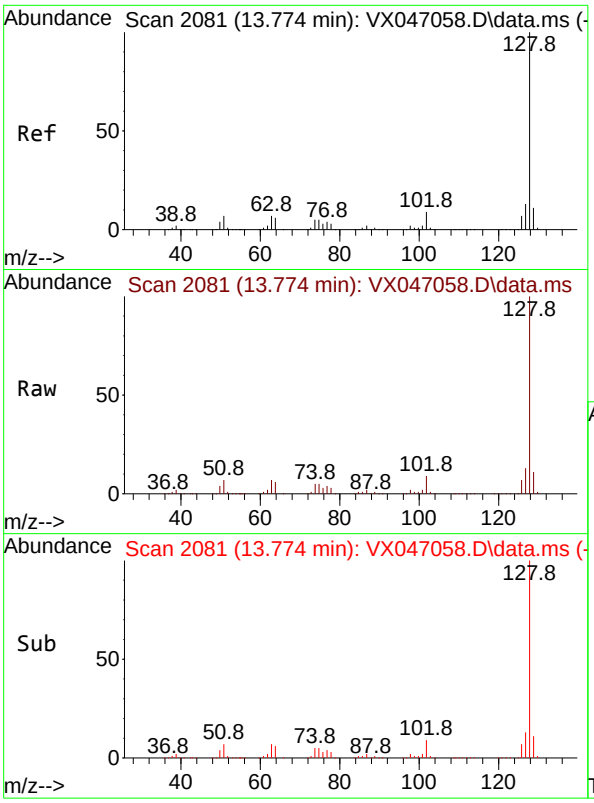


#94
Hexachlorobutadiene
Concen: 52.553 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:225 Resp: 90816

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	95.0
227	65.7	32.9	98.6

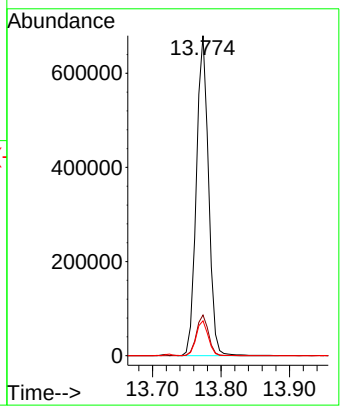




#95
Naphthalene
Concen: 56.390 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:128 Resp: 83999

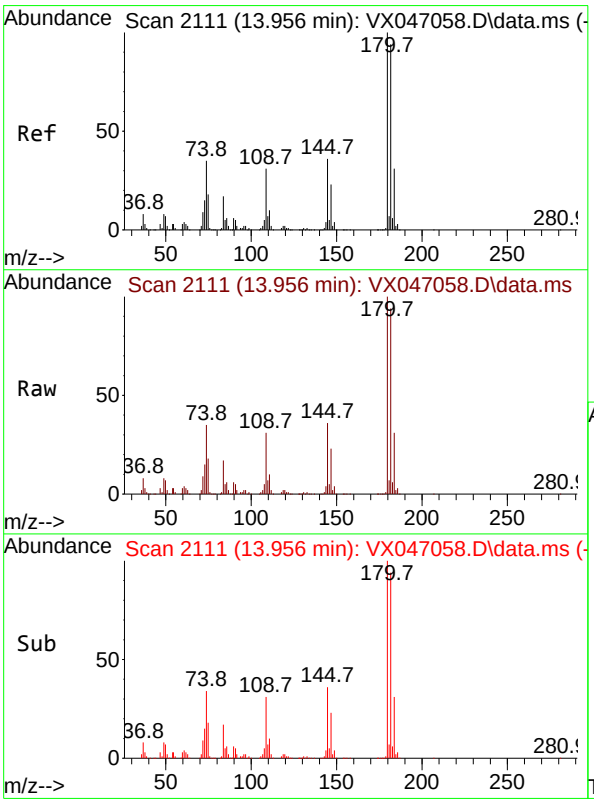
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

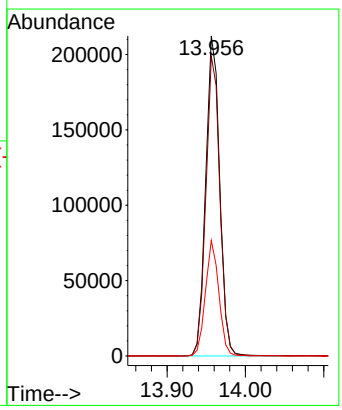
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 53.580 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:180 Resp: 262282

Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	34.7	17.3	52.0



Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

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

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

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

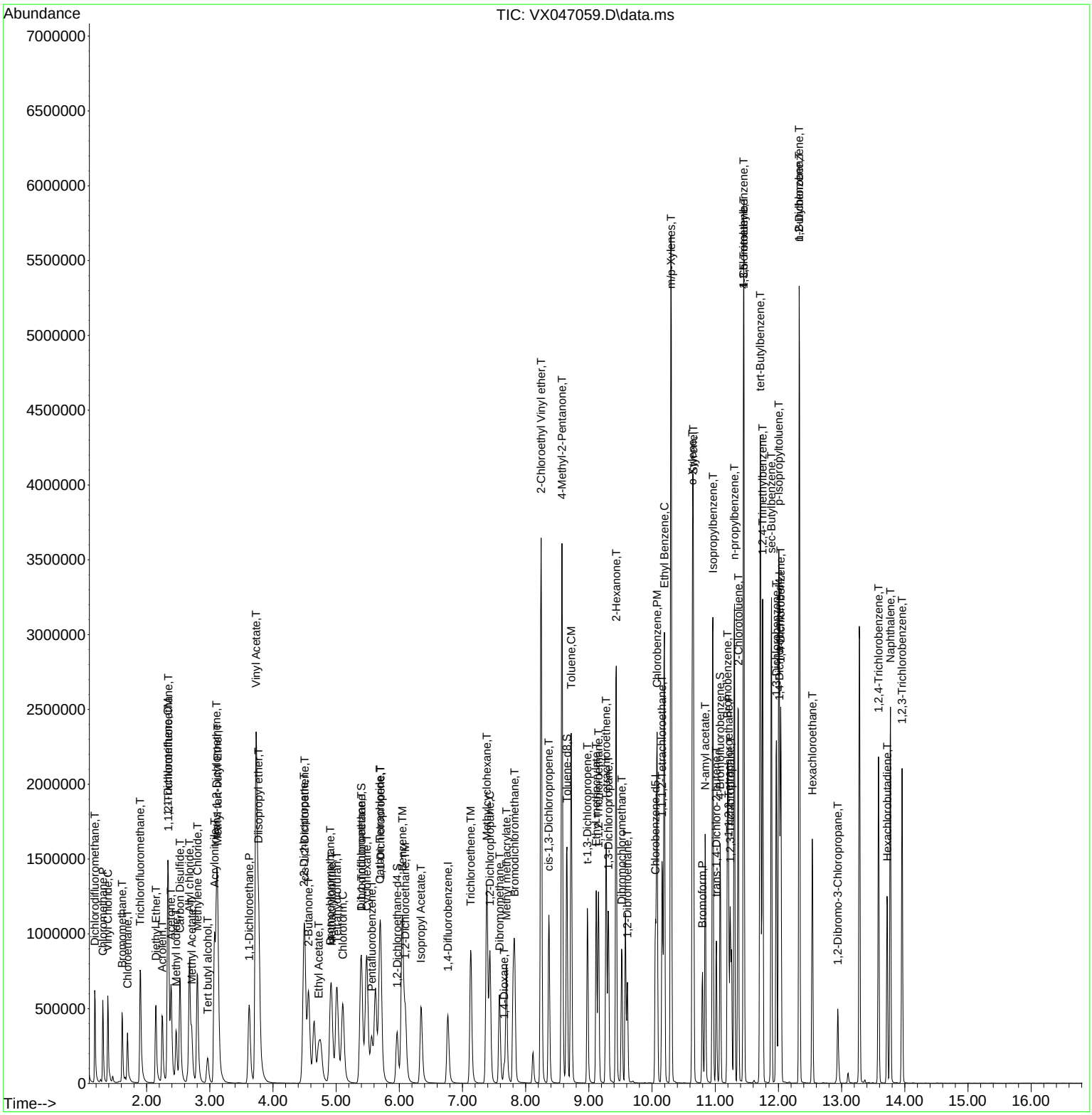
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Data File : VX047059.D
Acq On : 21 Jul 2025 11:11
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

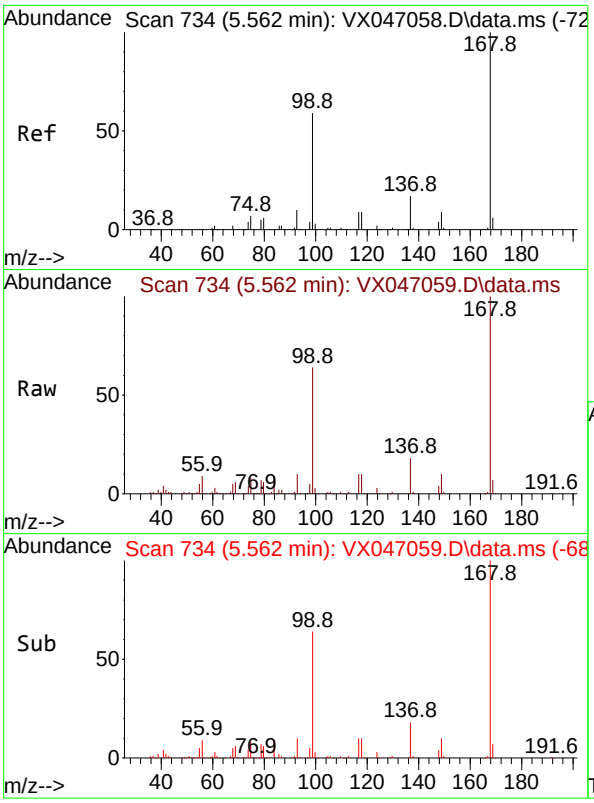
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Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

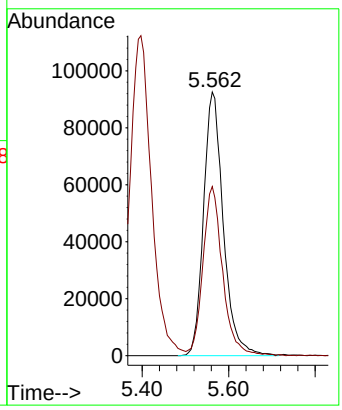




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:168 Resp: 29321

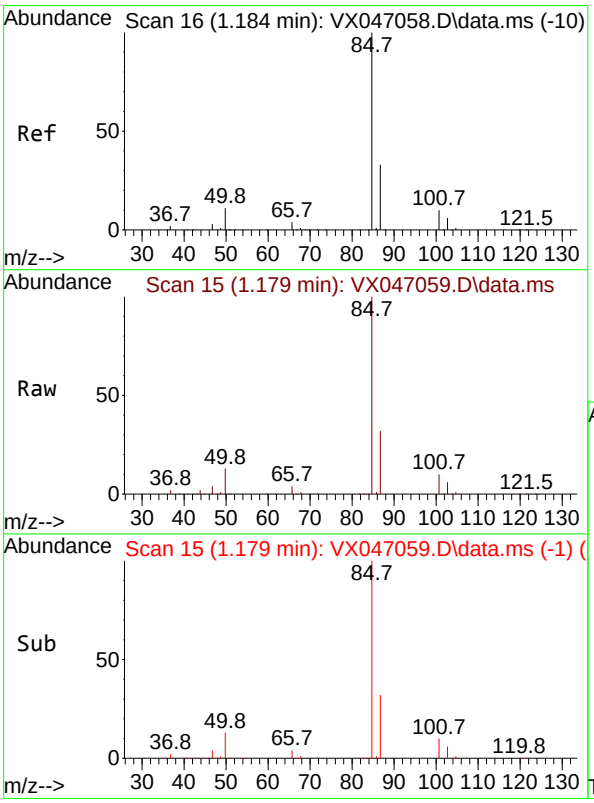
Ion	Ratio	Lower	Upper
168	100		
99	63.8	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

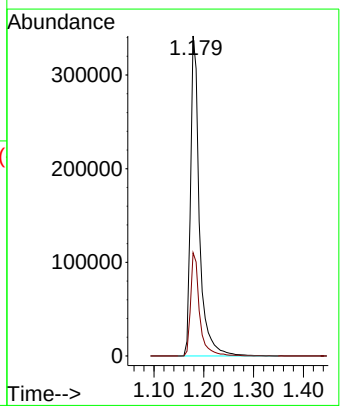
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

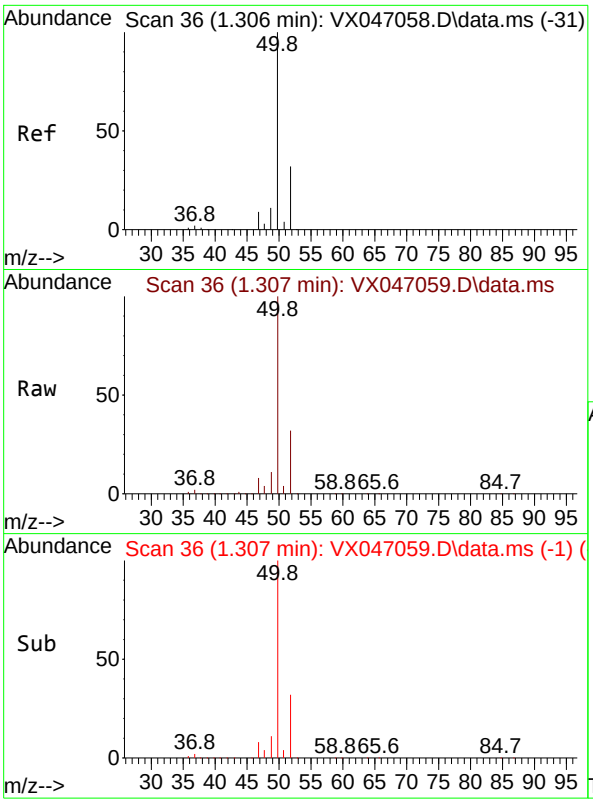


#2
Dichlorodifluoromethane
Concen: 108.536 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 85 Resp: 422702

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8

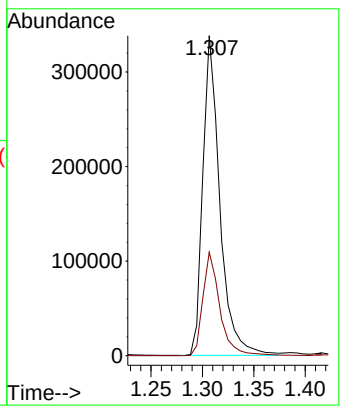




#3
Chloromethane
Concen: 101.483 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 50 Resp: 39095

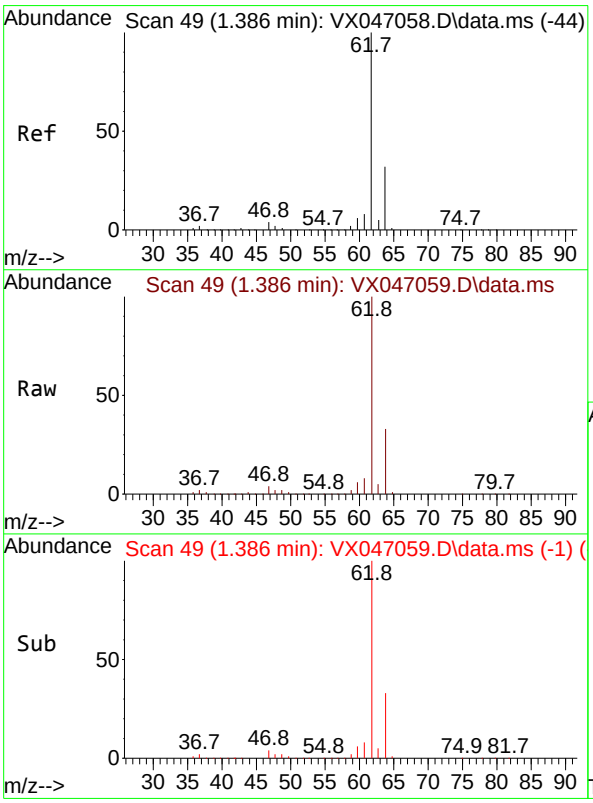
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

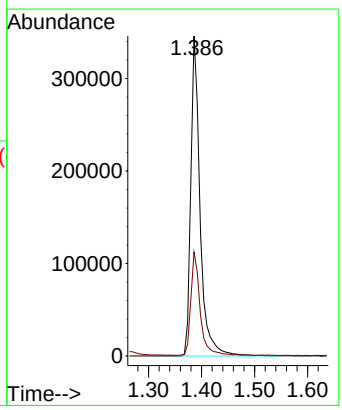
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

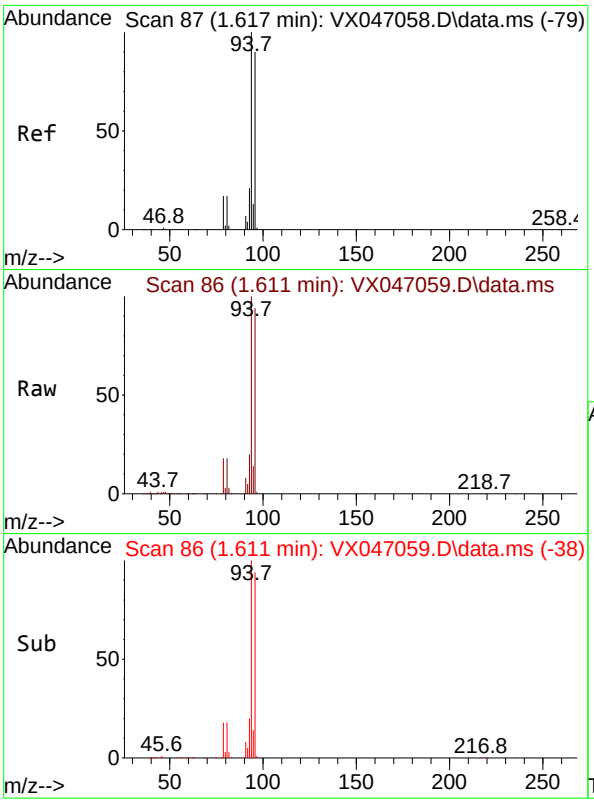


#4
Vinyl Chloride
Concen: 101.428 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 62 Resp: 420036

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8





#5
Bromomethane
Concen: 92.097 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

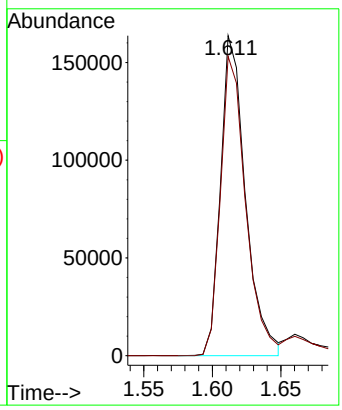
Tgt Ion: 94 Resp: 20717

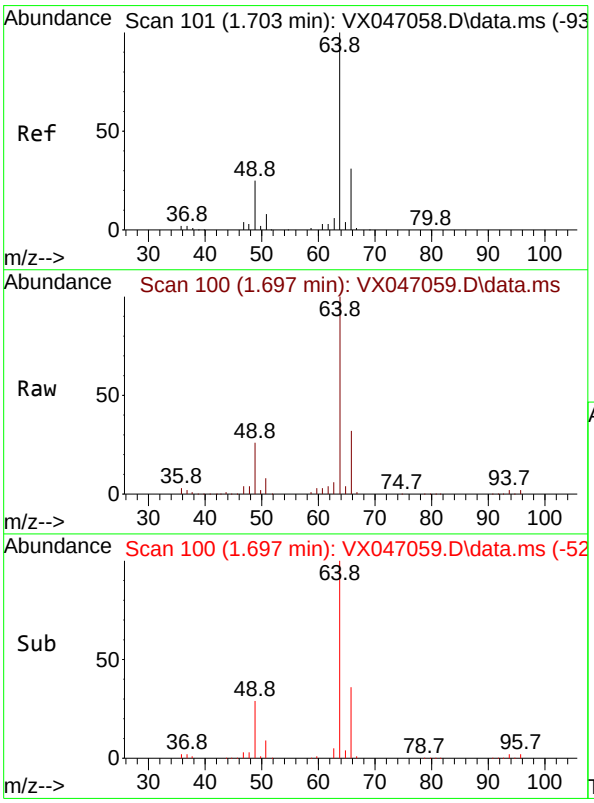
Ion	Ratio	Lower	Upper
94	100		
96	94.6	72.3	108.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

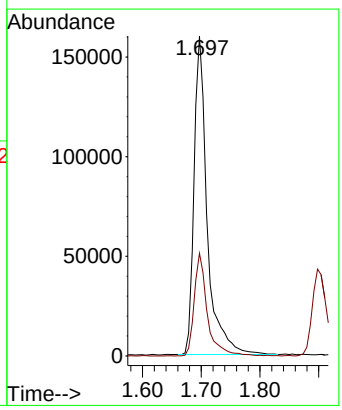


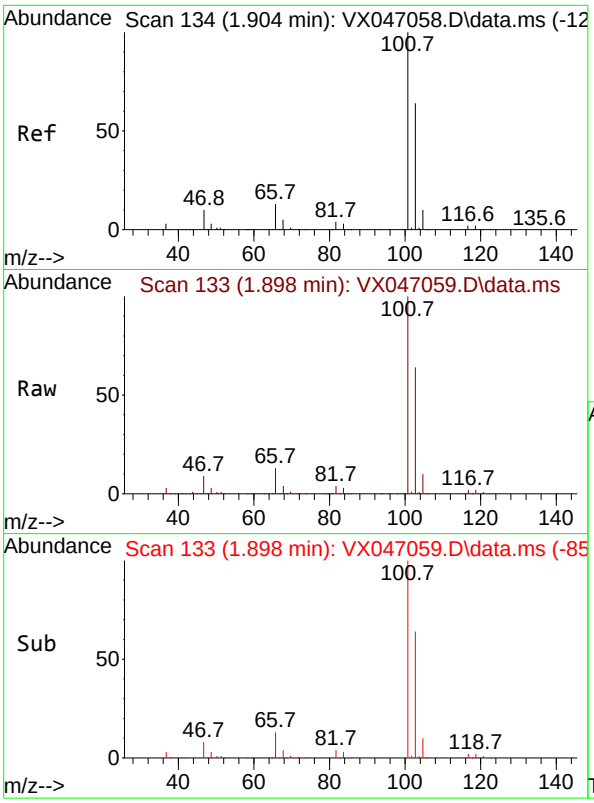


#6
Chloroethane
Concen: 91.235 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 64 Resp: 248151

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.0	37.6

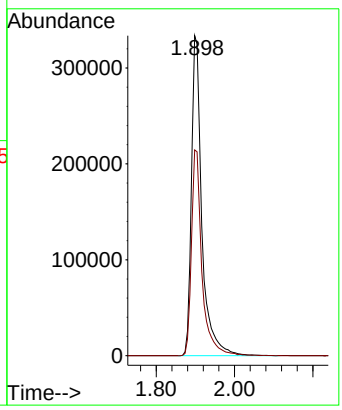




#7
Trichlorofluoromethane
Concen: 100.093 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:101 Resp: 61808

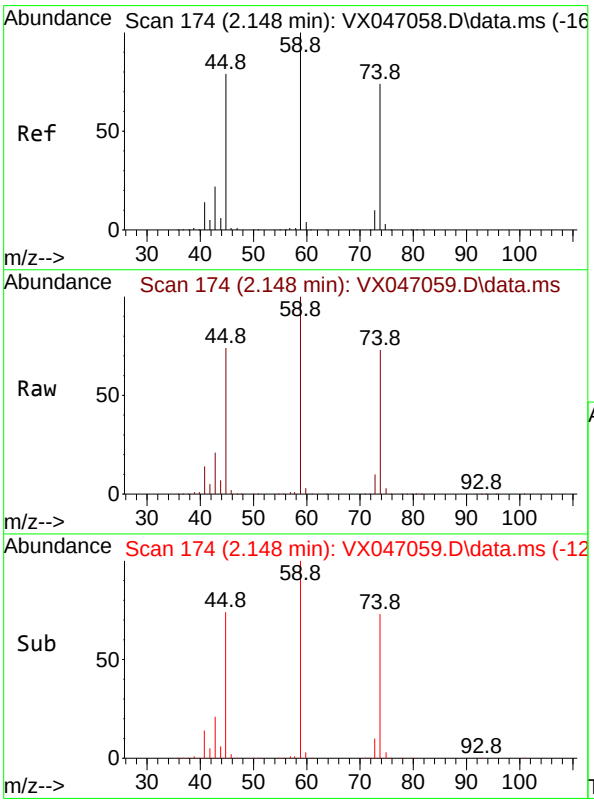
Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

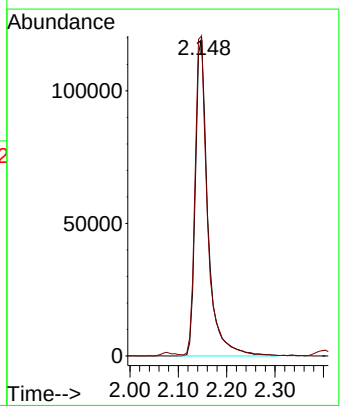
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

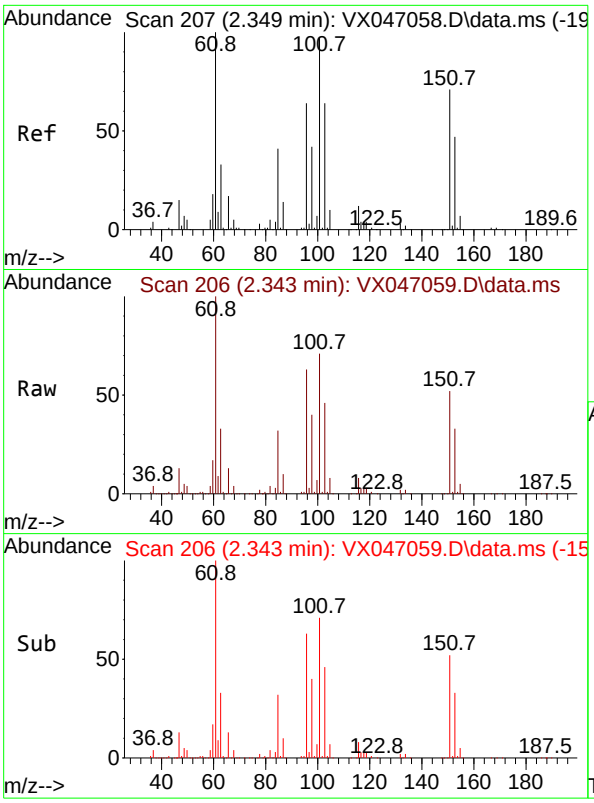


#8
Diethyl Ether
Concen: 98.730 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 74 Resp: 214962

Ion	Ratio	Lower	Upper
74	100		
45	101.2	53.0	159.0

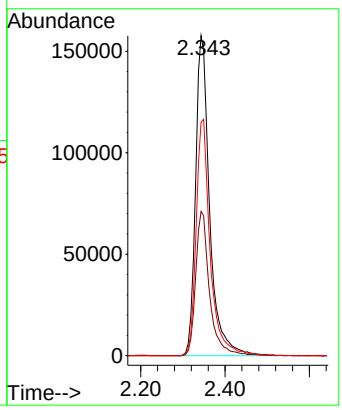




#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.771 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:101 Resp: 36746

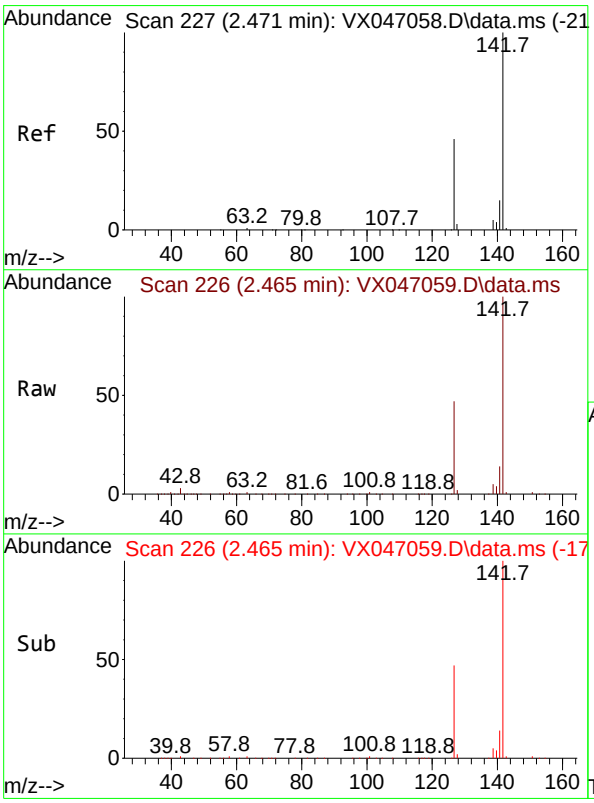
Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.4	53.0
151	73.7	59.2	88.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

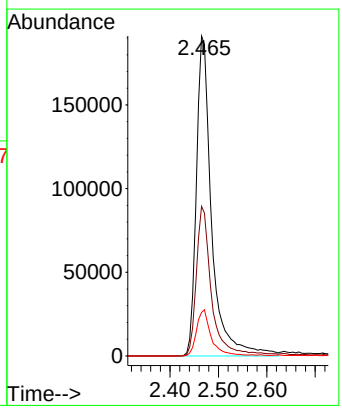
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

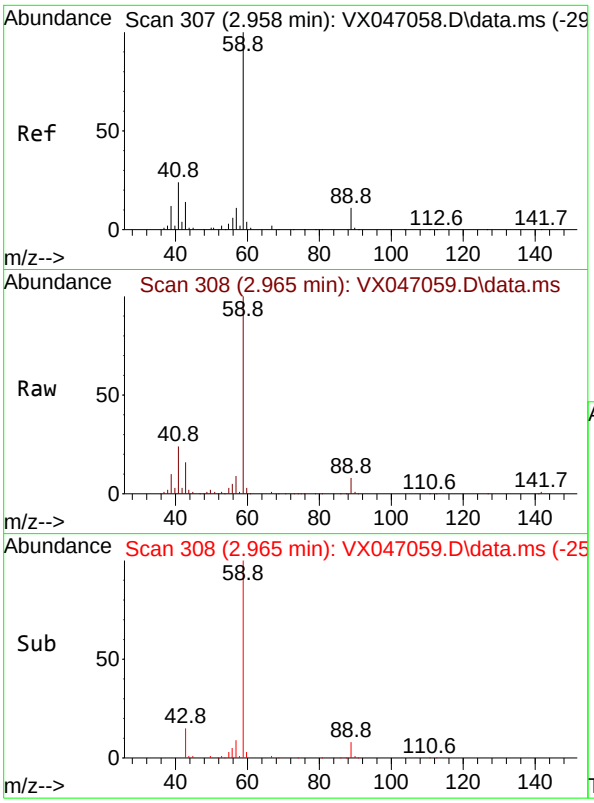


#10
Methyl Iodide
Concen: 111.100 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:142 Resp: 421251

Ion	Ratio	Lower	Upper
142	100		
127	46.5	36.6	54.8
141	13.7	10.9	16.3

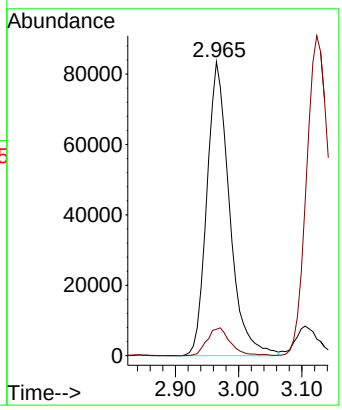




#11
Tert butyl alcohol
Concen: 496.373 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 59 Resp: 20760

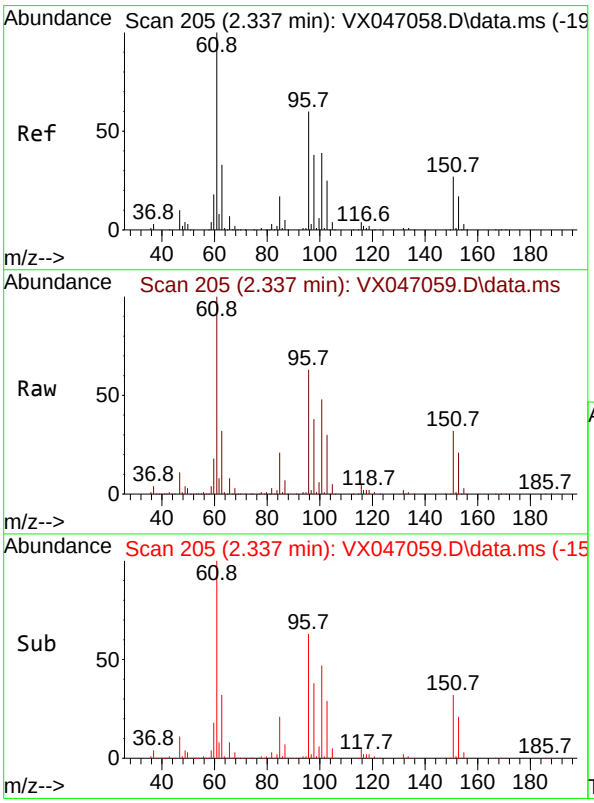
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

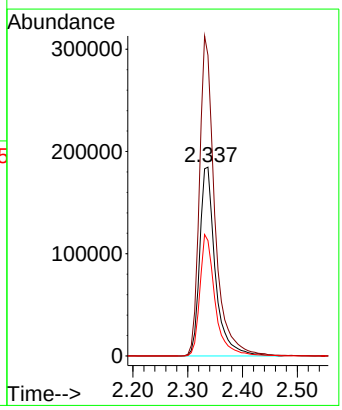
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

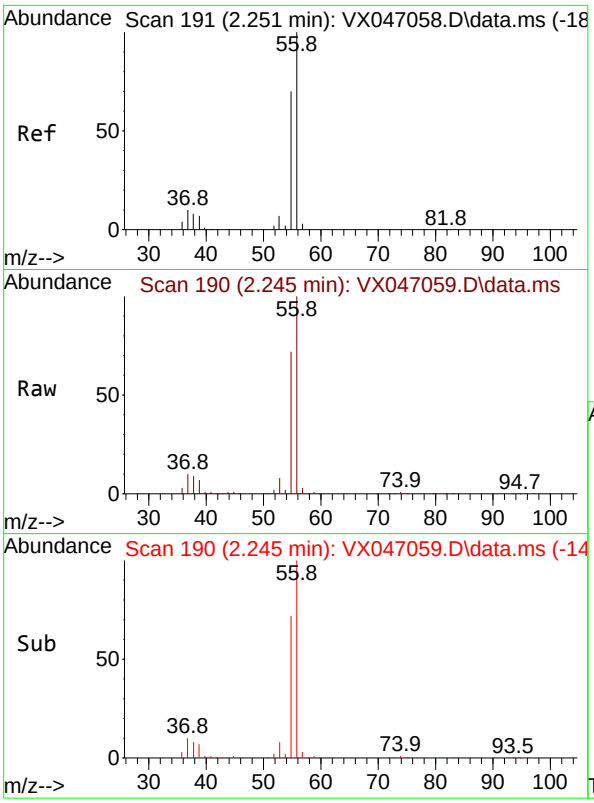


#12
1,1-Dichloroethene
Concen: 99.237 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 96 Resp: 365672

Ion	Ratio	Lower	Upper
96	100		
61	159.2	132.6	198.8
98	61.1	50.2	75.4

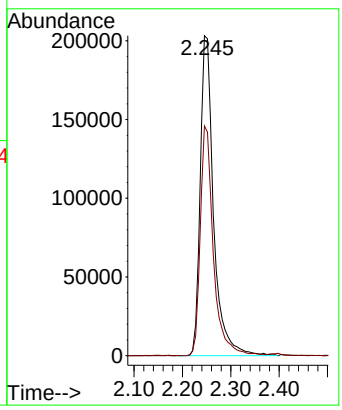




#13
Acrolein
Concen: 496.280 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 56 Resp: 39029

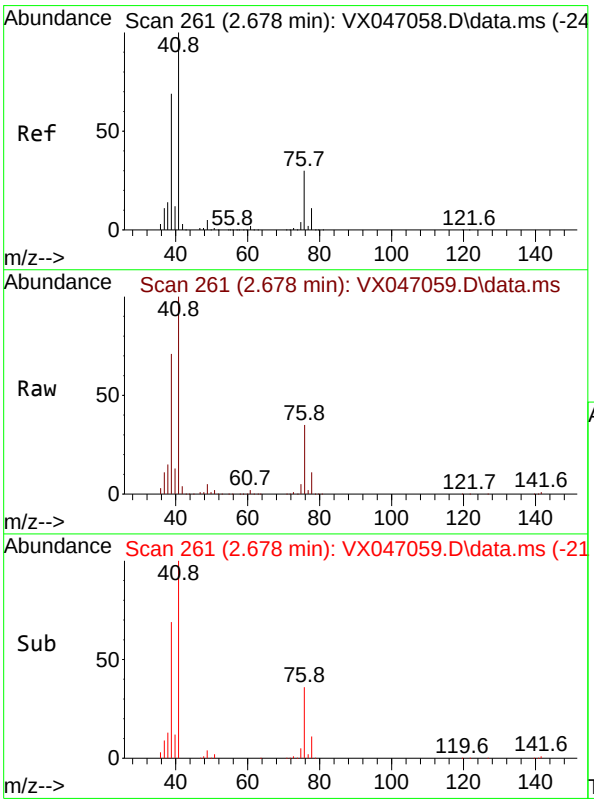
Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

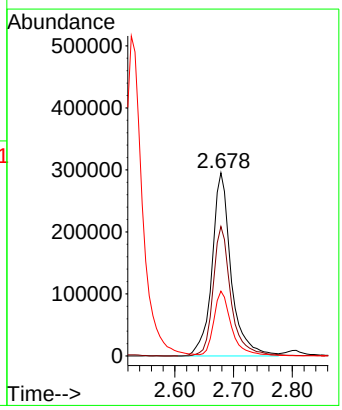
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

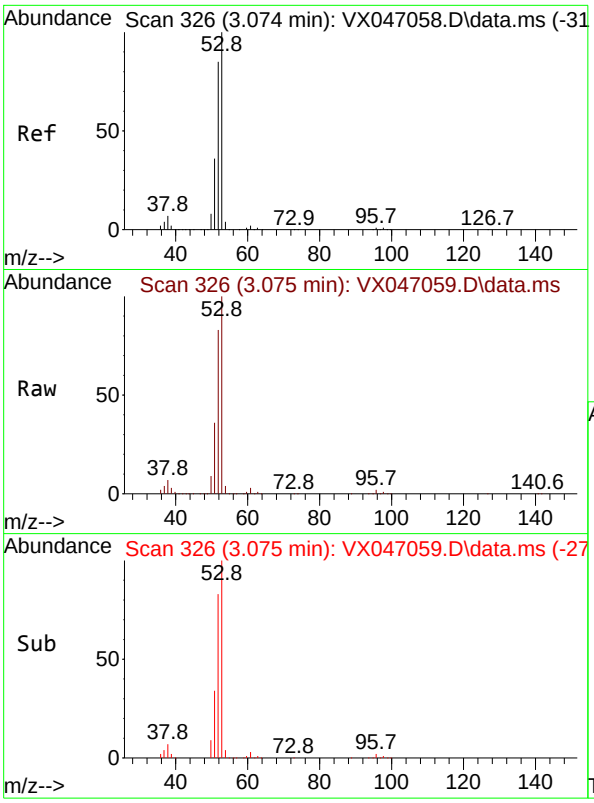


#14
Allyl chloride
Concen: 100.294 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 41 Resp: 668038

Ion	Ratio	Lower	Upper
41	100		
39	66.1	52.6	78.8
76	32.9	25.7	38.5

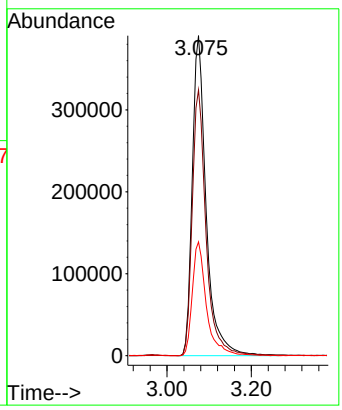




#15
Acrylonitrile
Concen: 514.199 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 53 Resp: 89571

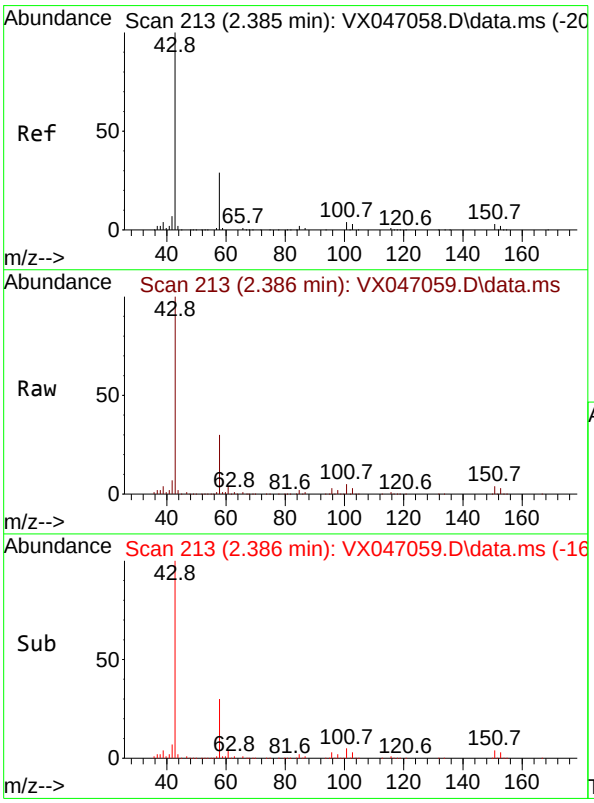
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	36.3	28.8	43.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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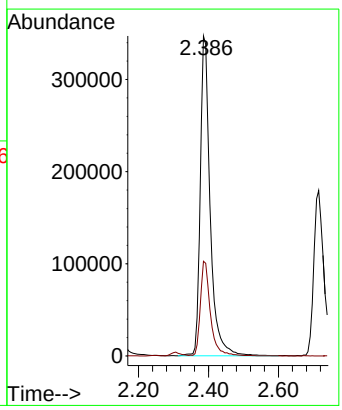
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

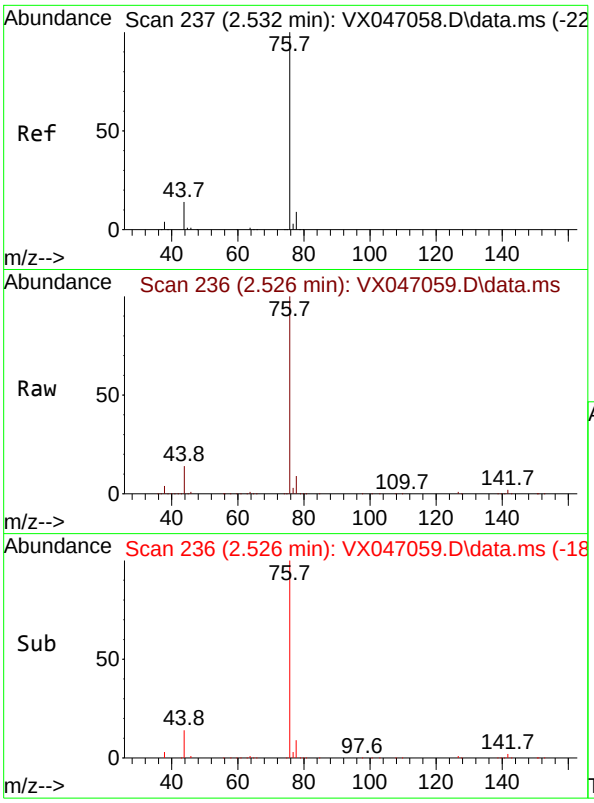


#16
Acetone
Concen: 465.214 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 43 Resp: 680698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.0	36.0

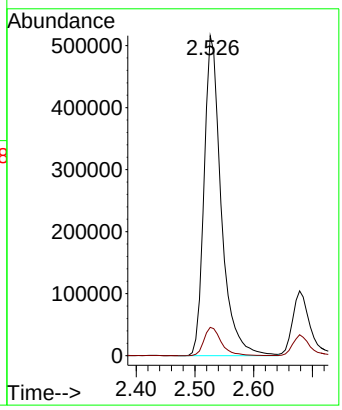




#17
Carbon Disulfide
Concen: 98.086 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 76 Resp: 104559

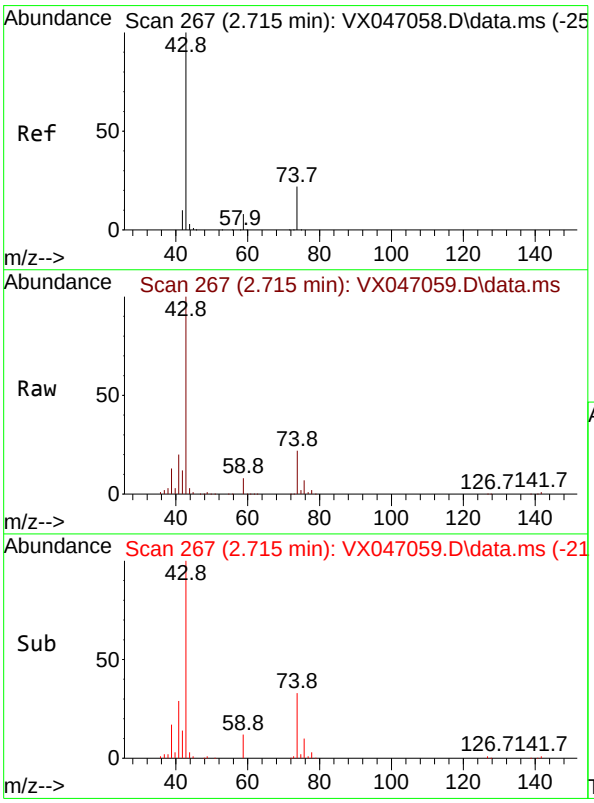
Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

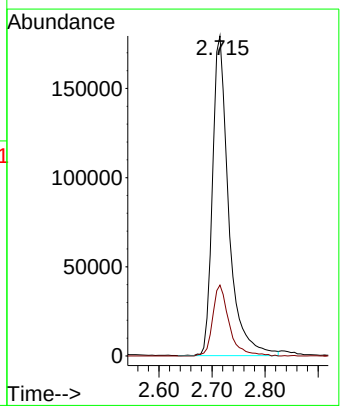
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

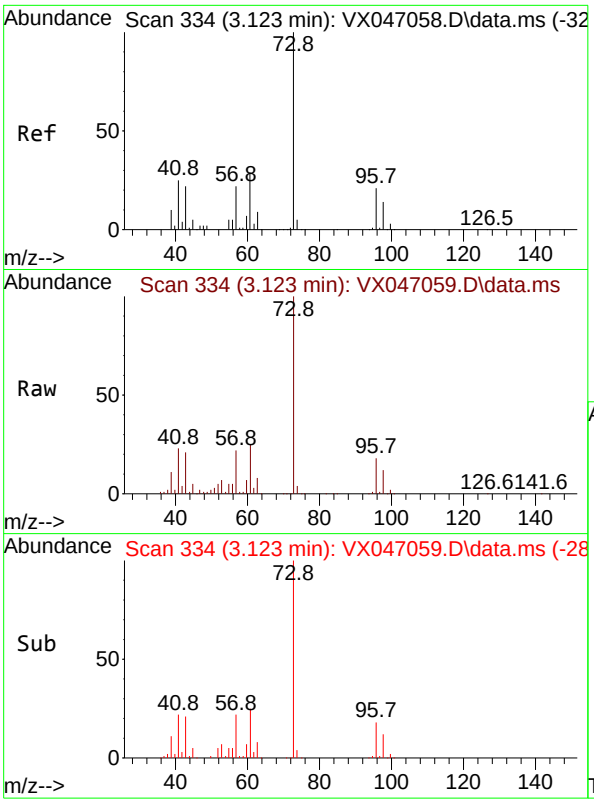


#18
Methyl Acetate
Concen: 98.118 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 43 Resp: 381521

Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.7	26.5

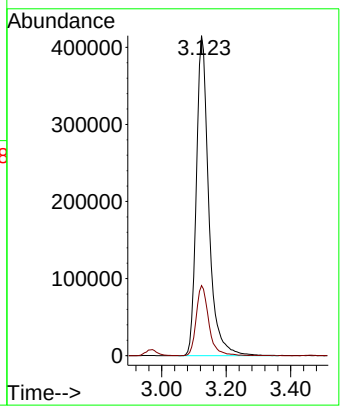




#19
Methyl tert-butyl Ether
Concen: 98.907 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 73 Resp: 110918

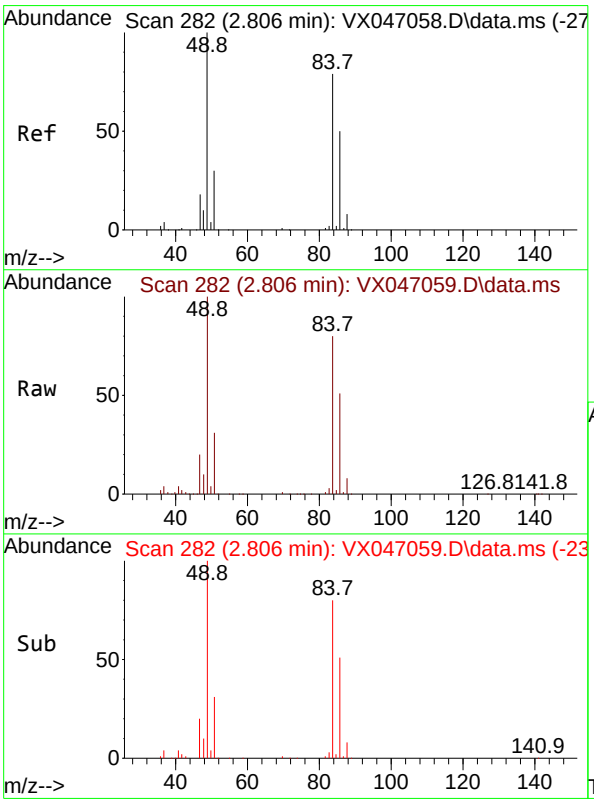
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

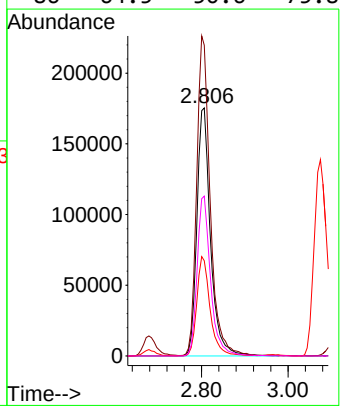
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

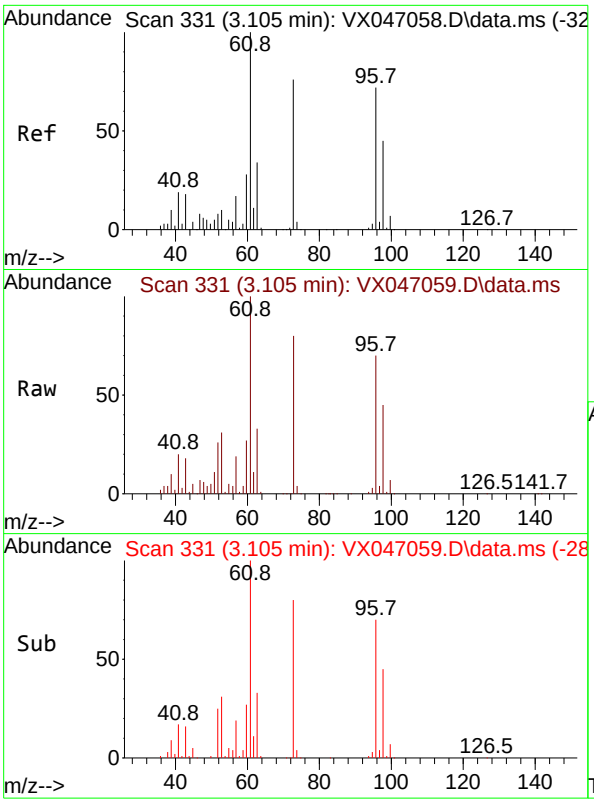


#20
Methylene Chloride
Concen: 95.122 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 84 Resp: 382904

Ion	Ratio	Lower	Upper
84	100		
49	125.1	101.6	152.4
51	38.3	30.3	45.5
86	64.5	50.6	75.8

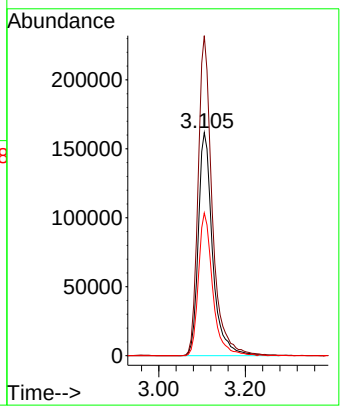




#21
trans-1,2-Dichloroethene
Concen: 98.339 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 96 Resp: 37081

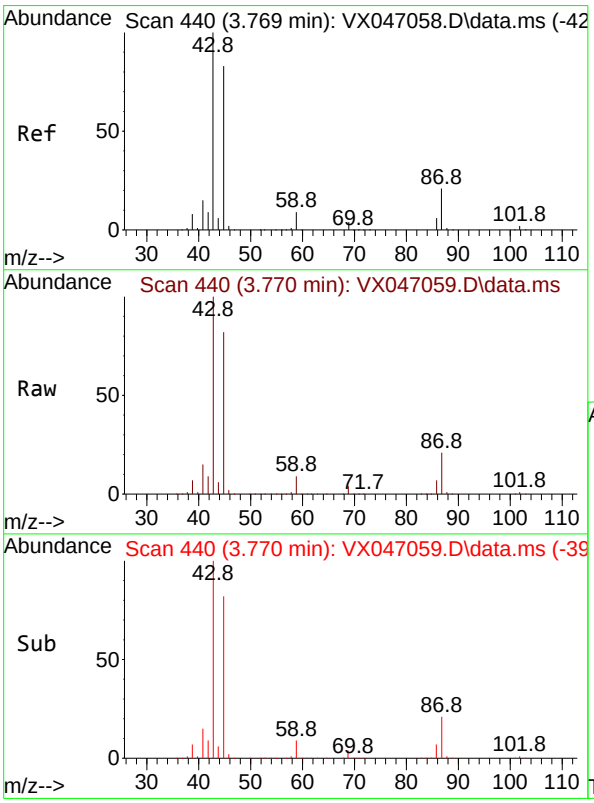
Ion	Ratio	Lower	Upper
96	100		
61	143.5	111.1	166.7
98	64.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

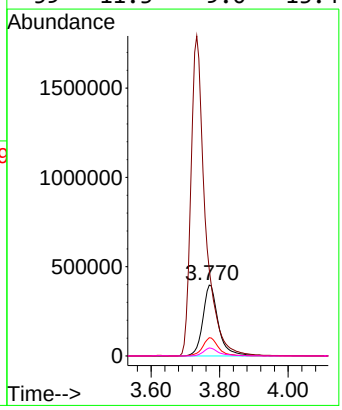
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

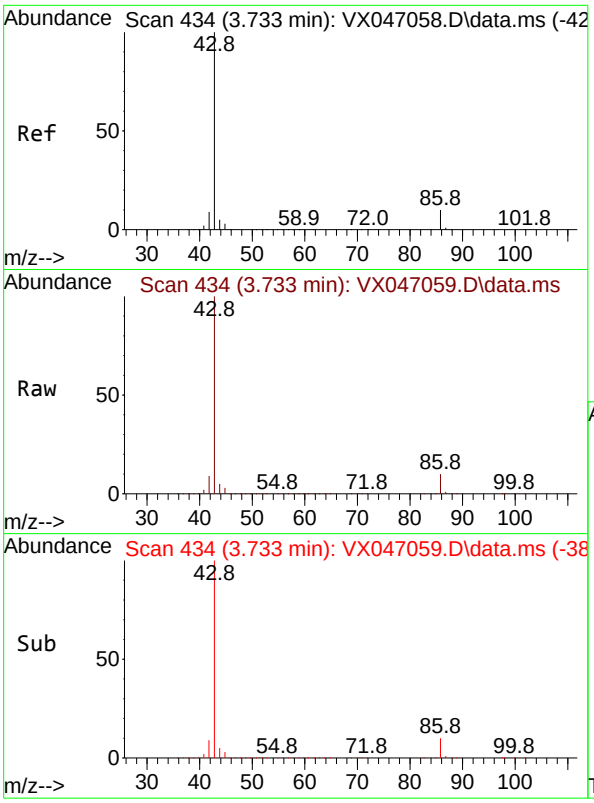


#22
Diisopropyl ether
Concen: 97.342 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 45 Resp: 1246566

Ion	Ratio	Lower	Upper
45	100		
43	121.8	96.8	145.2
87	25.7	20.5	30.7
59	11.3	9.0	13.4





#23
Vinyl Acetate
Concen: 511.682 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

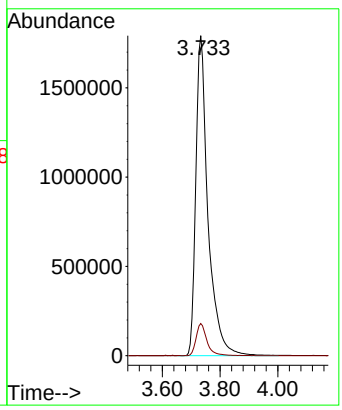
Tgt Ion: 43 Resp: 525565

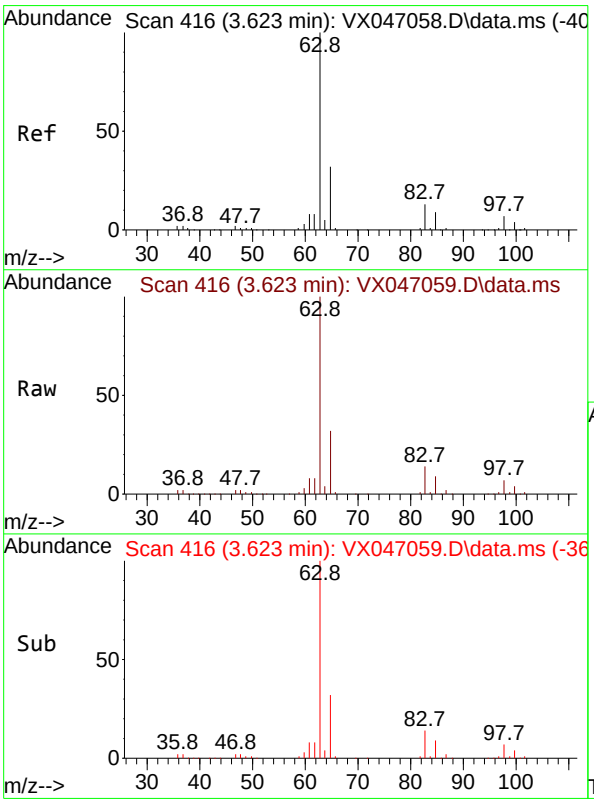
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

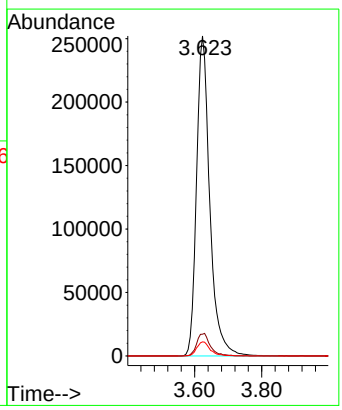


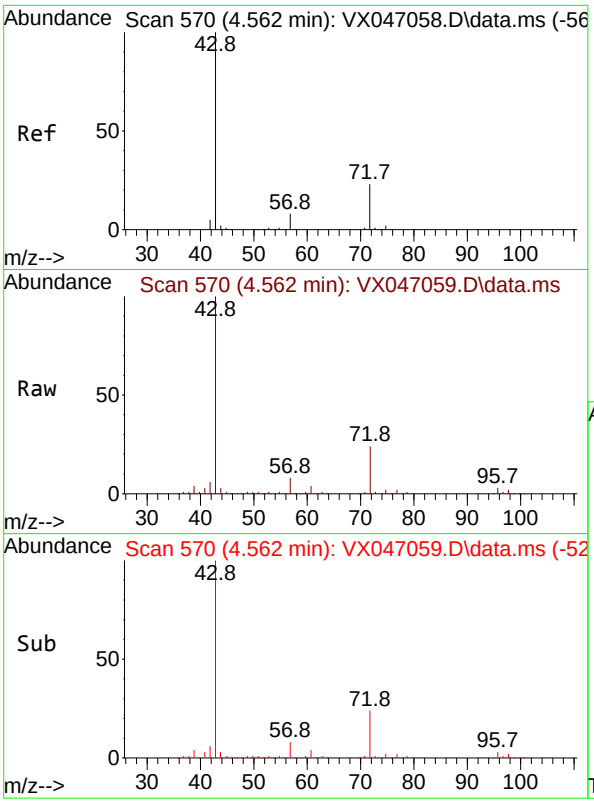


#24
1,1-Dichloroethane
Concen: 96.903 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 63 Resp: 690059

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.4	2.3	6.8





#25
2-Butanone
Concen: 499.825 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

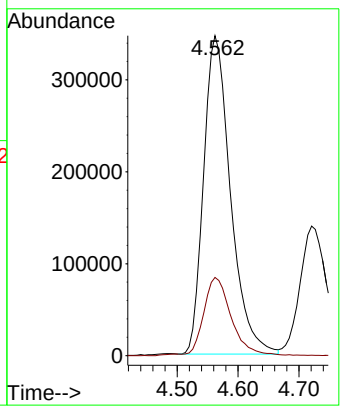
Tgt Ion: 43 Resp: 106489

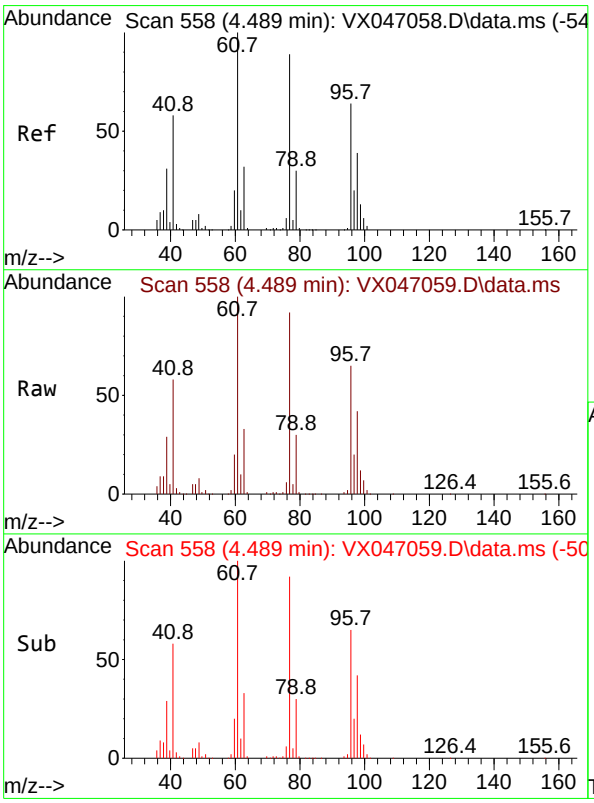
Ion	Ratio	Lower	Upper
43	100		
72	24.2	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

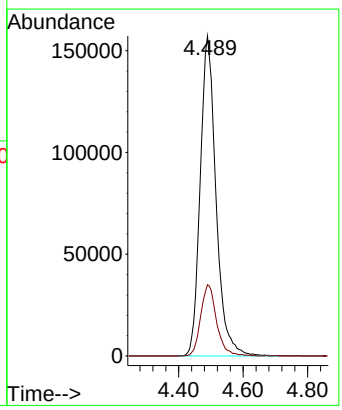


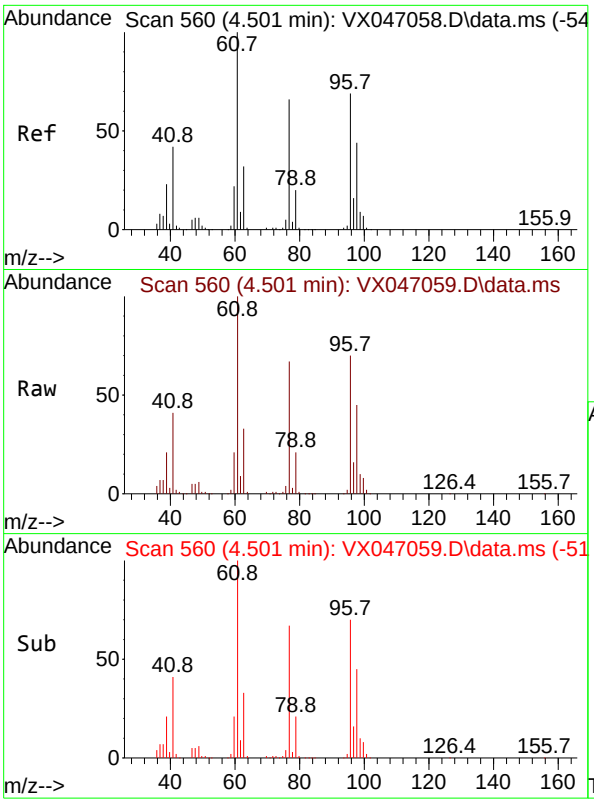


#26
2,2-Dichloropropane
Concen: 96.986 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 77 Resp: 534633

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.1

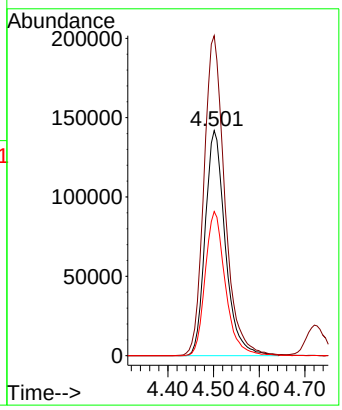




#27
cis-1,2-Dichloroethene
Concen: 97.026 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 96 Resp: 43323

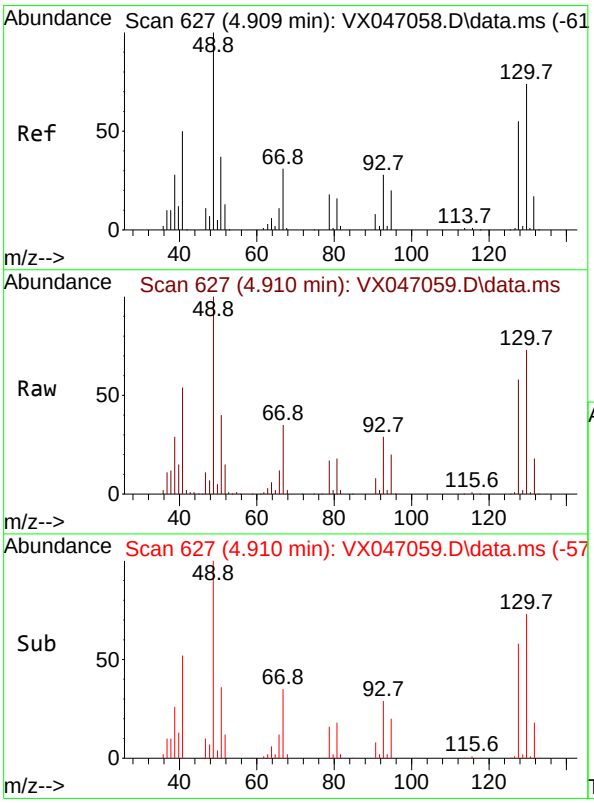
Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	298.6
98	64.3	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

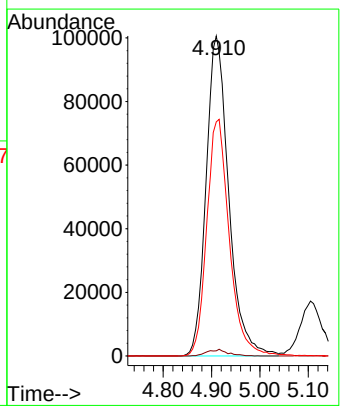
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

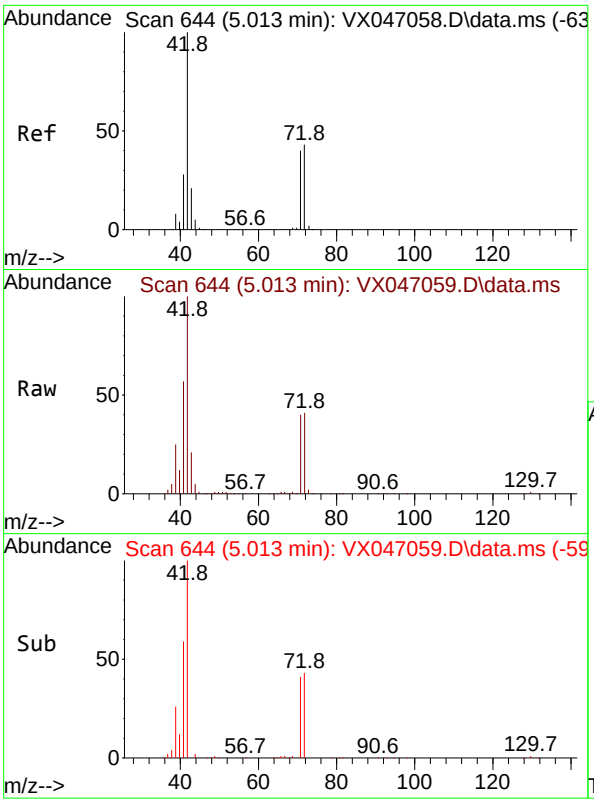


#28
Bromochloromethane
Concen: 99.974 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 49 Resp: 327531

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.6	59.0	88.4

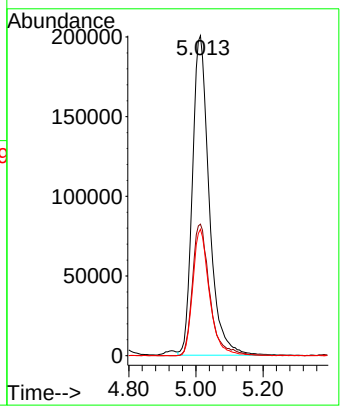




#29
Tetrahydrofuran
Concen: 506.702 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 42 Resp: 69653

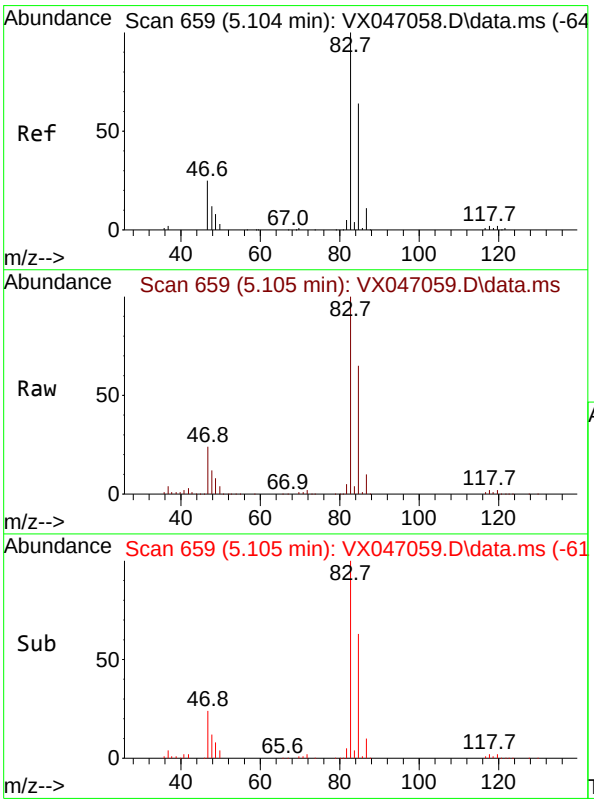
Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.7	50.5
71	39.4	31.0	46.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

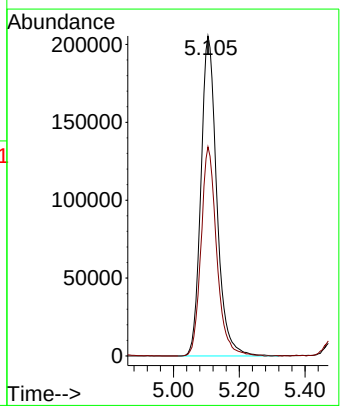
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

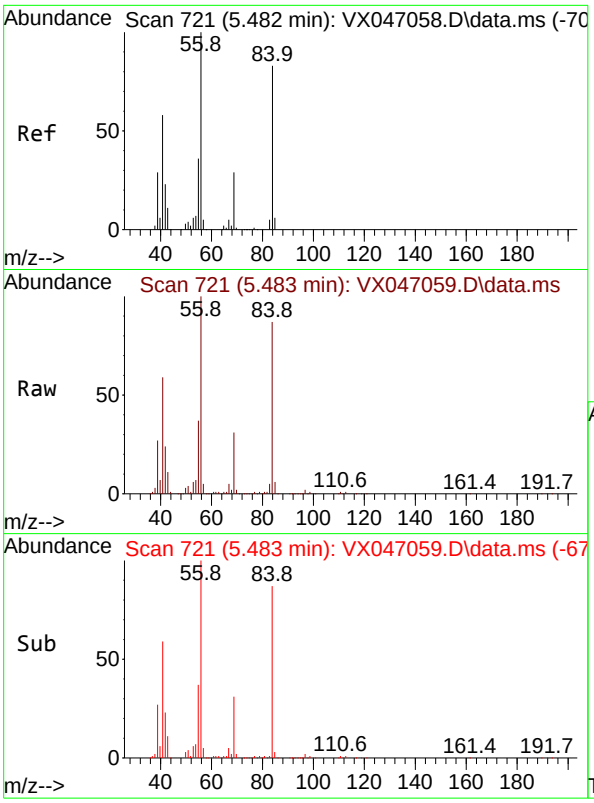


#30
Chloroform
Concen: 95.036 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 83 Resp: 688904

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3

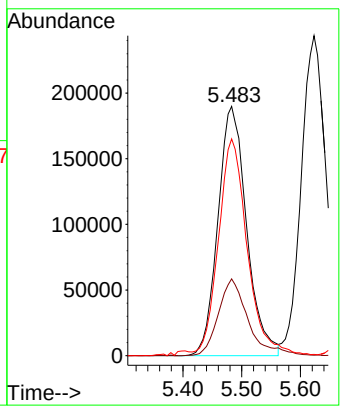




#31
Cyclohexane
Concen: 94.354 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 56 Resp: 64425

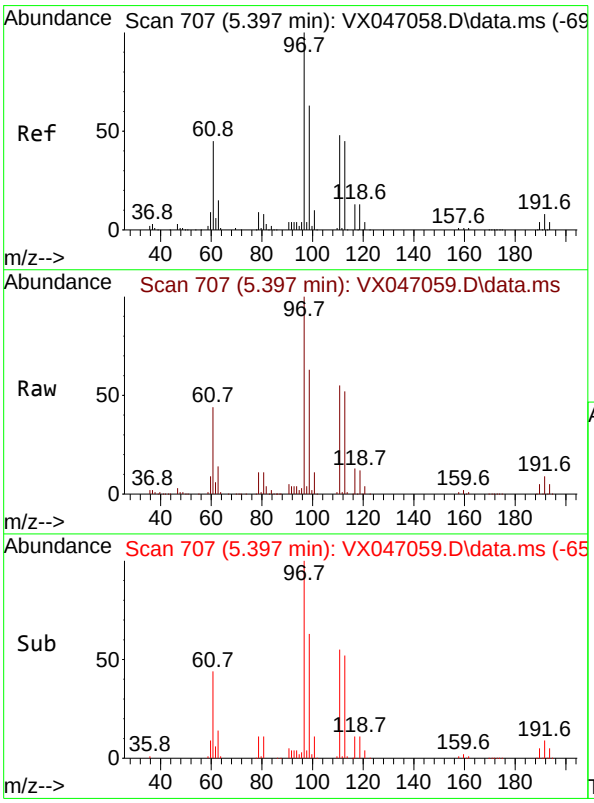
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.3	34.9
84	85.3	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

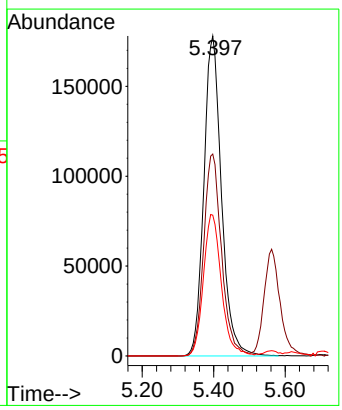
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

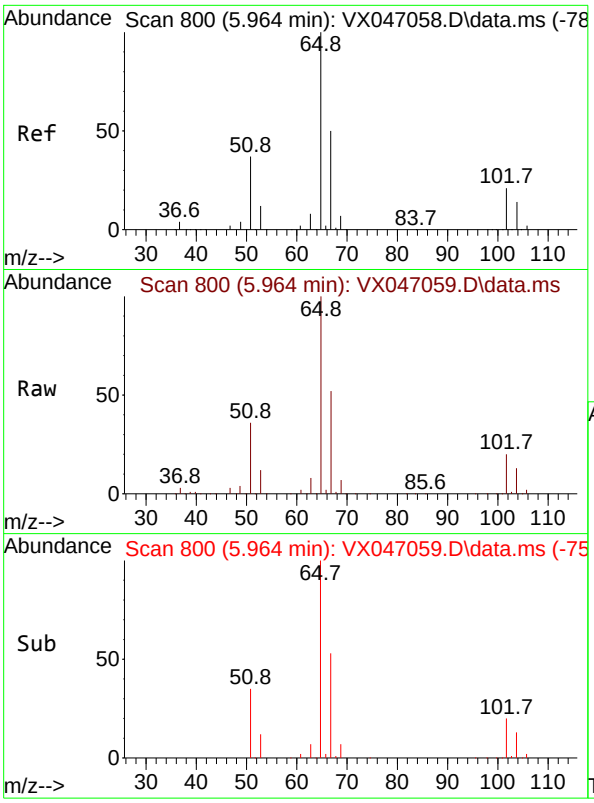


#32
1,1,1-Trichloroethane
Concen: 96.931 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 97 Resp: 610295

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.2	76.8
61	45.1	37.1	55.7





#33
1,2-Dichloroethane-d4
Concen: 98.067 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

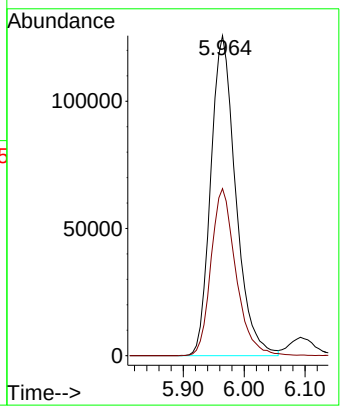
Tgt Ion: 65 Resp: 35818

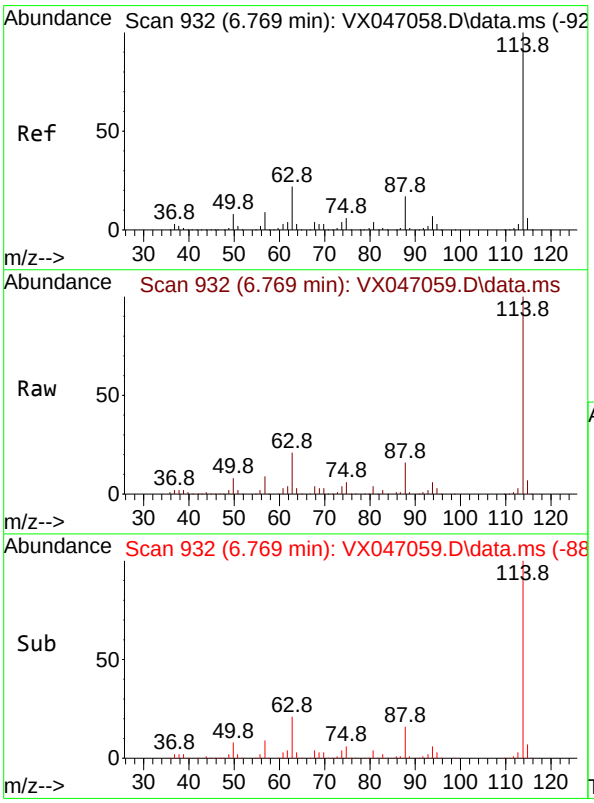
Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

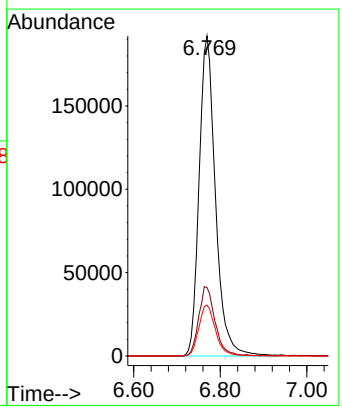


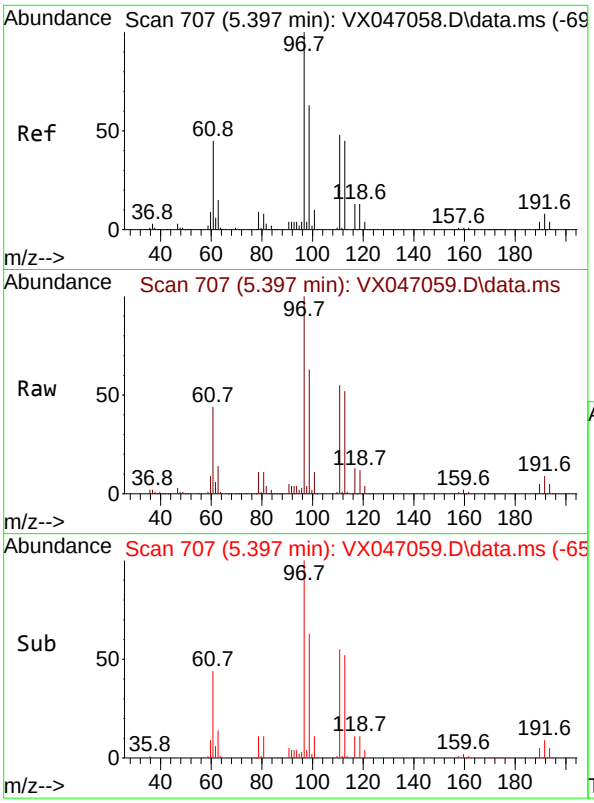


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:114 Resp: 502636

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.2
88	15.9	0.0	33.8

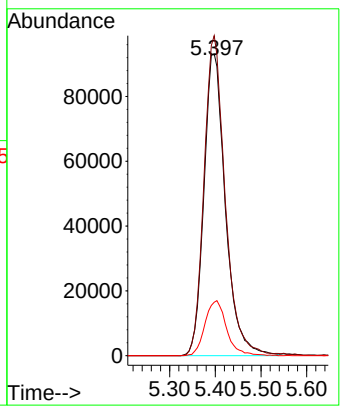




#35
Dibromofluoromethane
Concen: 97.981 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:113 Resp: 30407

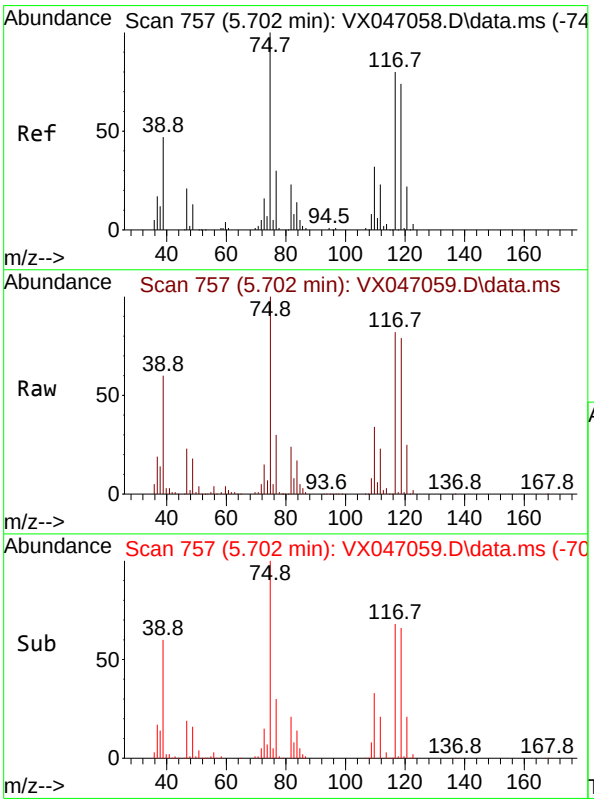
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	124.0
192	18.4	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

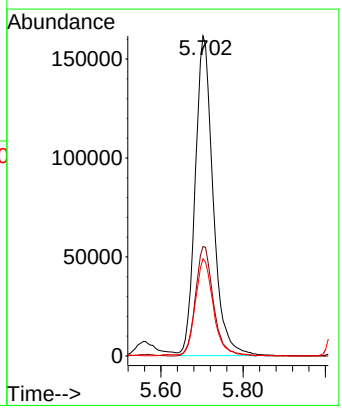
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

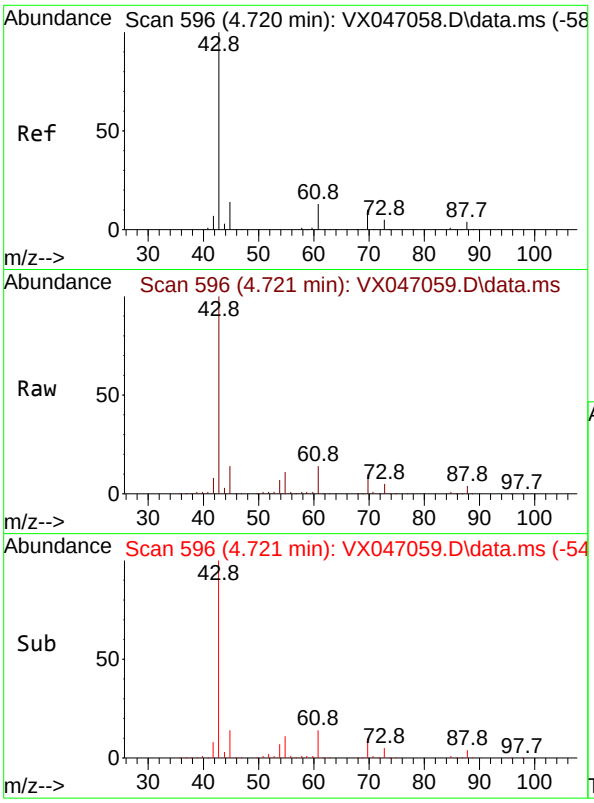


#36
1,1-Dichloropropene
Concen: 92.052 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 75 Resp: 486962

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.2	51.5
77	30.5	25.1	37.7





#37
Ethyl Acetate
Concen: 99.573 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

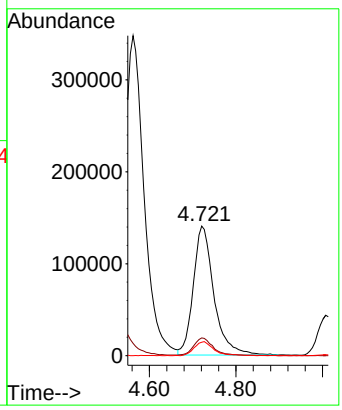
Tgt Ion: 43 Resp: 46421

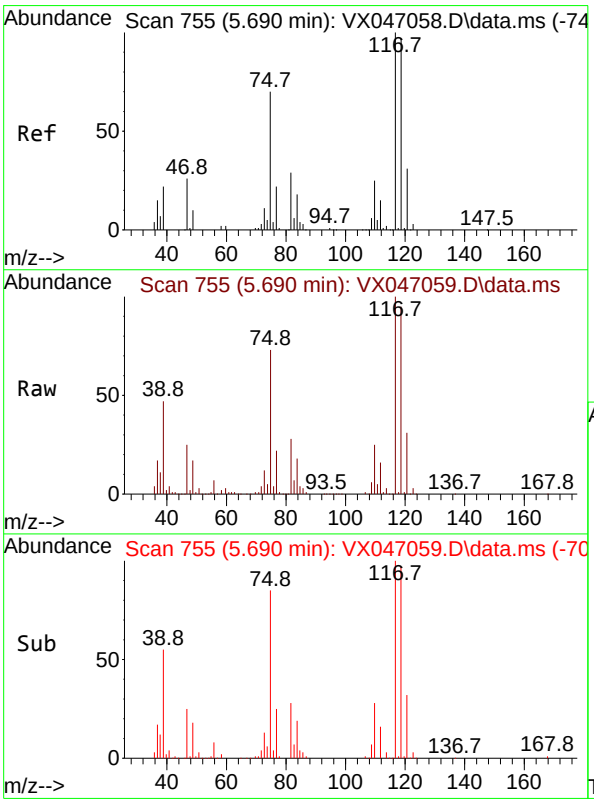
Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	10.3	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

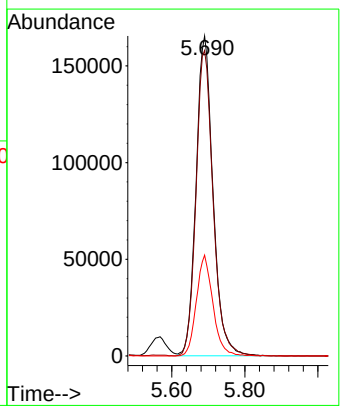


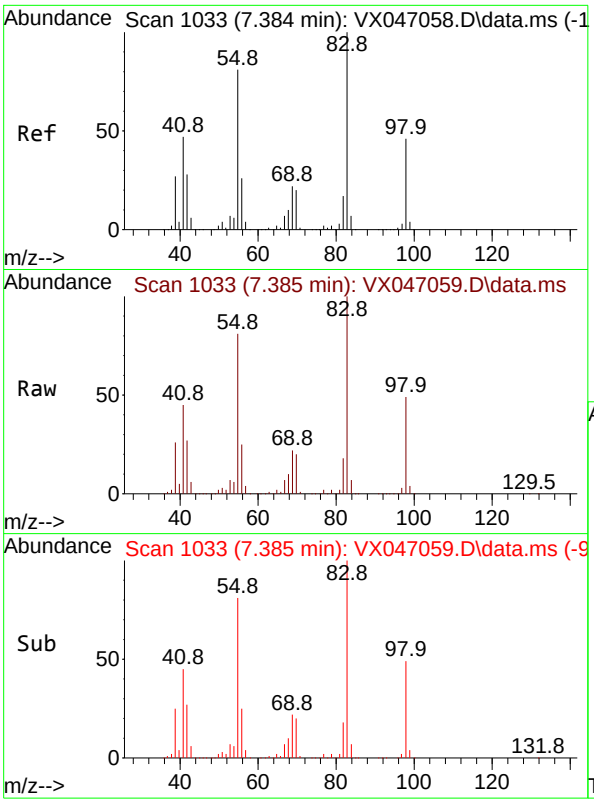


#38
Carbon Tetrachloride
Concen: 94.597 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:117 Resp: 534117

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	115.0
121	31.5	24.4	36.6

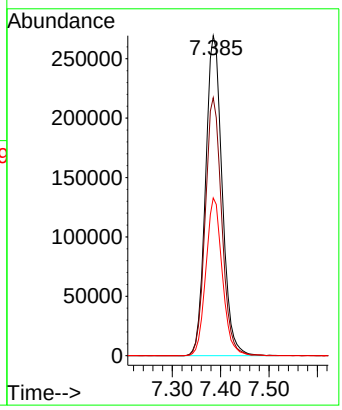




#39
Methylcyclohexane
Concen: 97.426 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 83 Resp: 64349

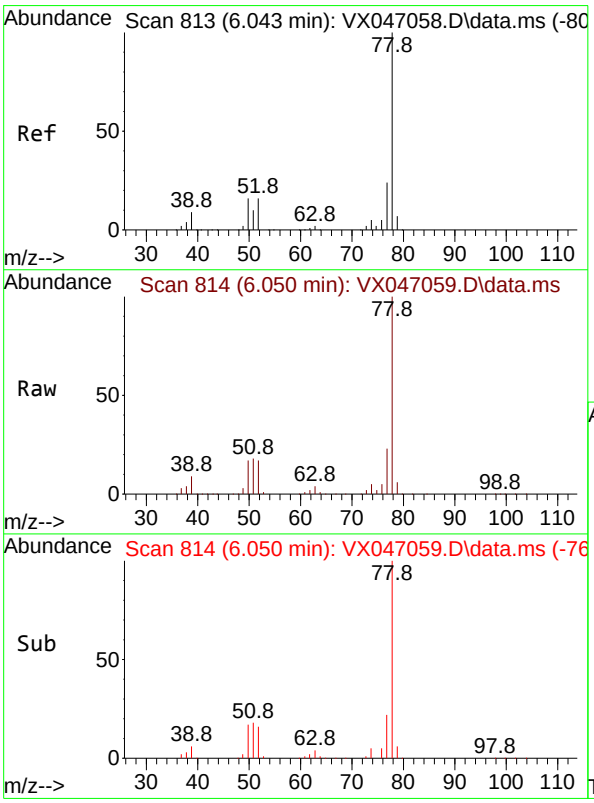
Ion	Ratio	Lower	Upper
83	100		
55	80.6	64.5	96.7
98	49.3	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

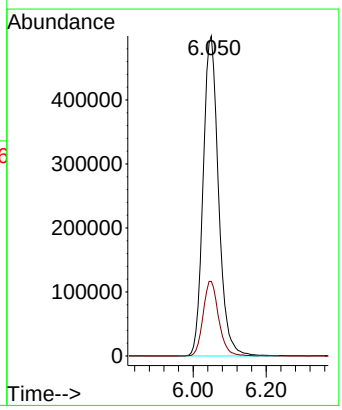
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

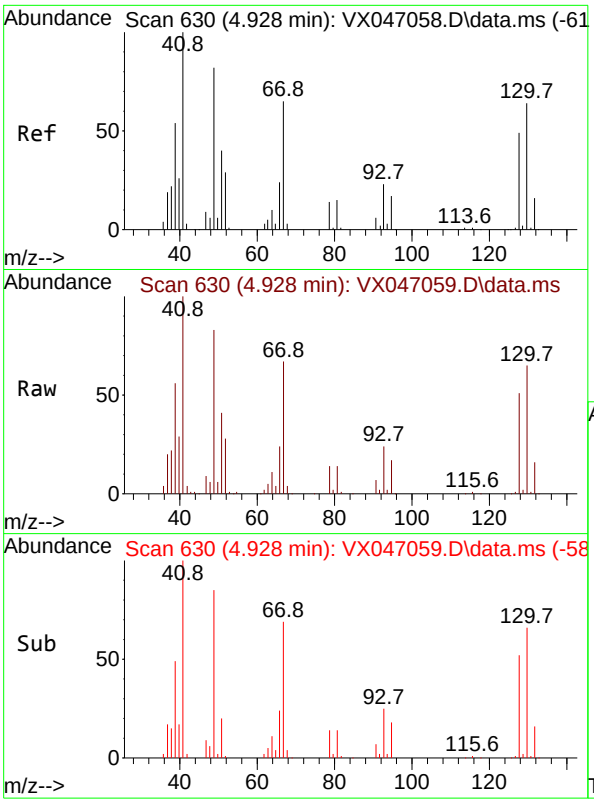


#40
Benzene
Concen: 95.282 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 78 Resp: 1458721

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4

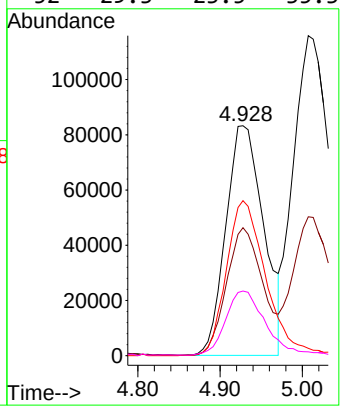




#41
Methacrylonitrile
Concen: 104.648 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 41 Resp: 26672

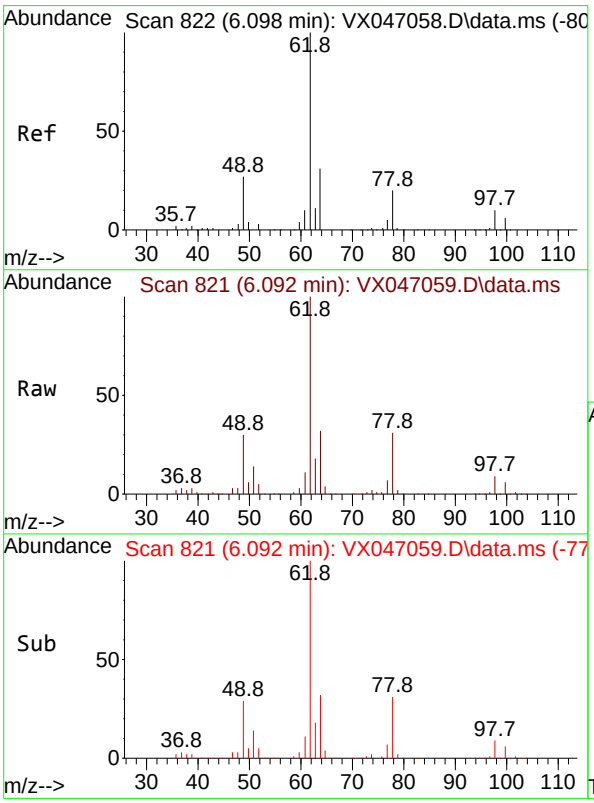
Ion	Ratio	Lower	Upper
41	100		
39	53.6	44.2	66.2
67	71.1	56.4	84.6
52	29.3	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

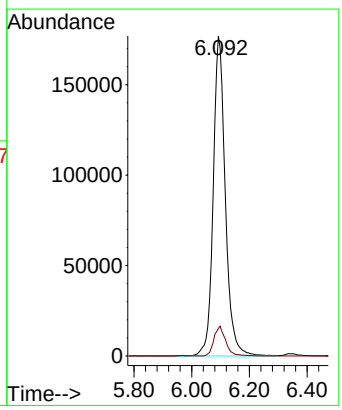
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

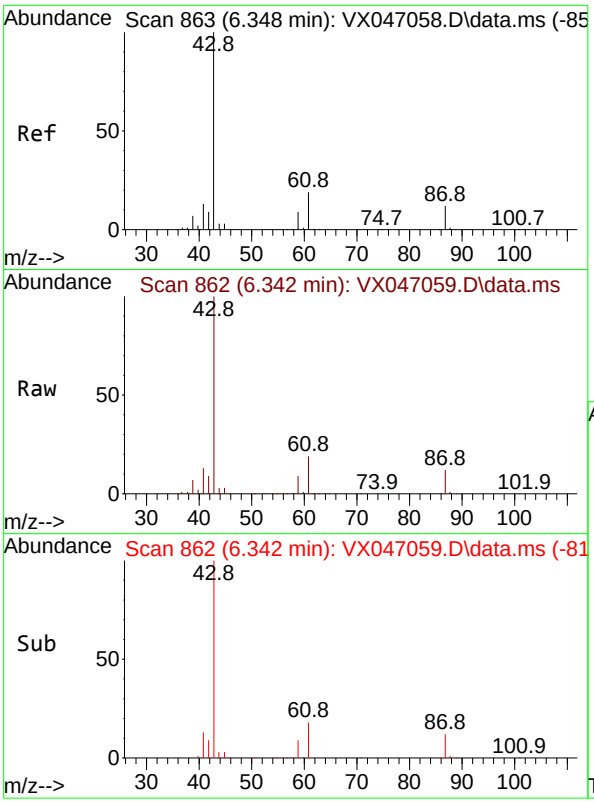


#42
1,2-Dichloroethane
Concen: 95.493 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 62 Resp: 514986

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.8

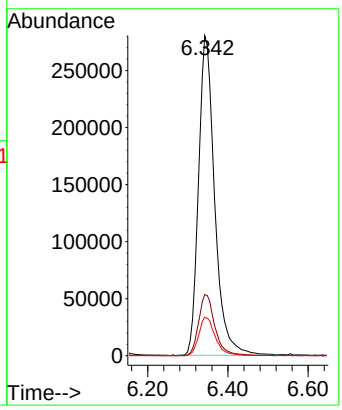




#43
Isopropyl Acetate
Concen: 103.002 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 43 Resp: 78274

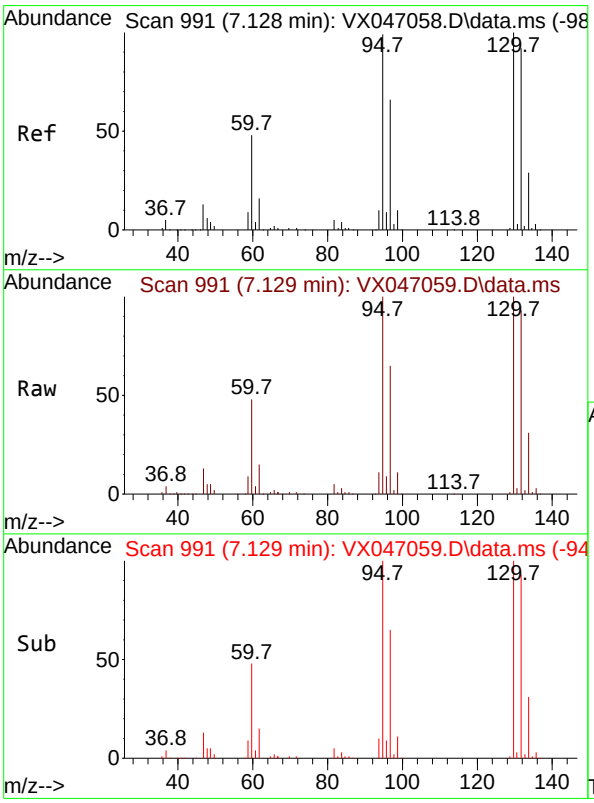
Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.1	22.7
87	12.3	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

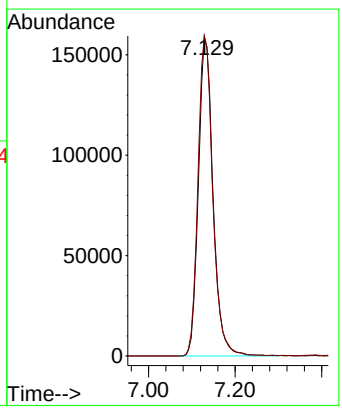
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

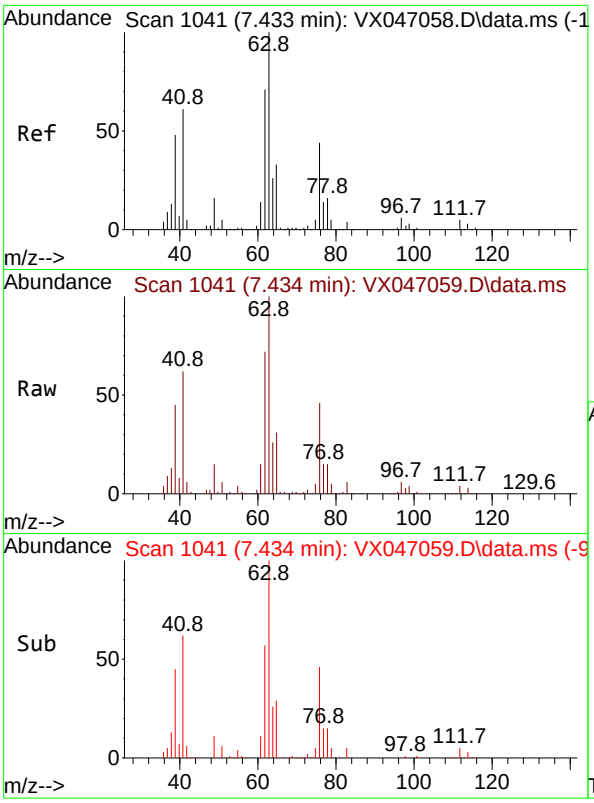


#44
Trichloroethene
Concen: 94.887 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:130 Resp: 372515

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	198.6

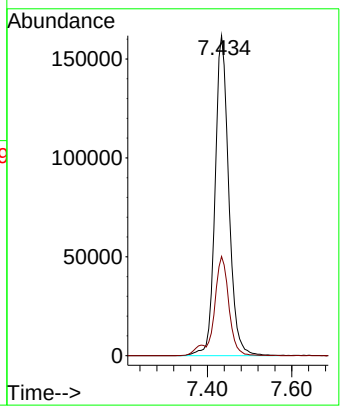




#45
1,2-Dichloropropane
Concen: 95.131 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 63 Resp: 36476

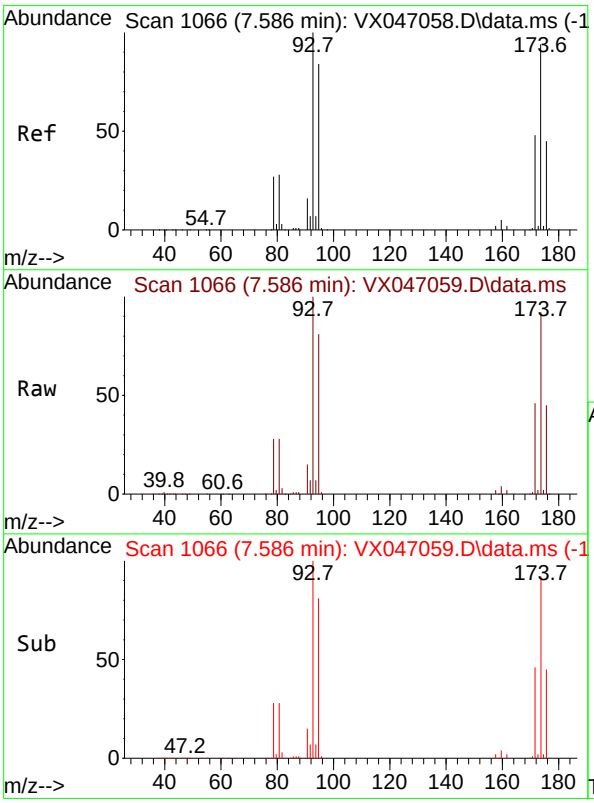
Ion	Ratio	Lower	Upper
63	100		
65	31.0	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

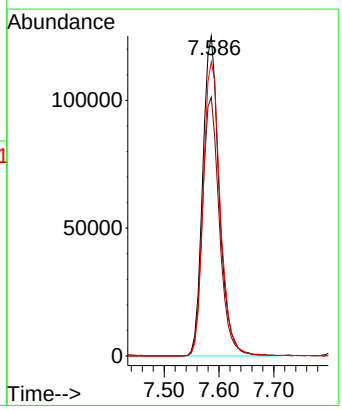
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

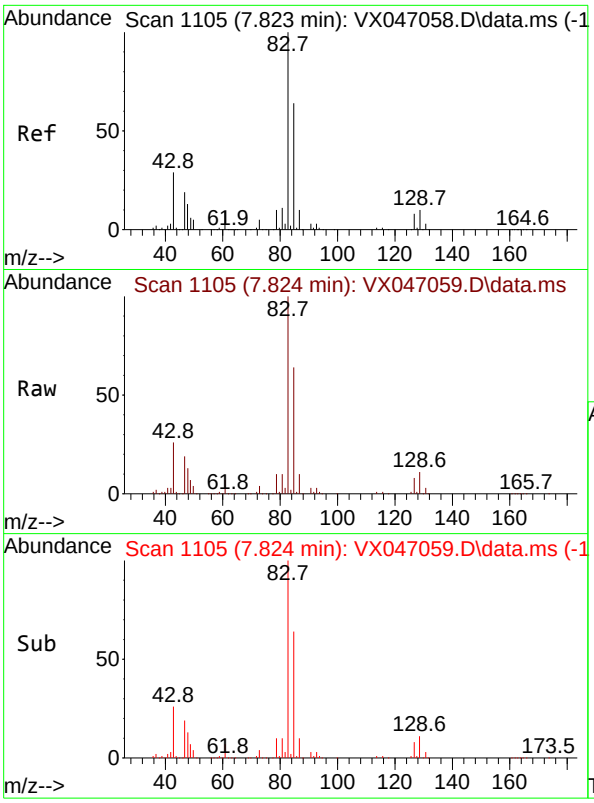


#46
Dibromomethane
Concen: 97.464 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 93 Resp: 262070

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.9	98.9
174	94.1	74.6	112.0

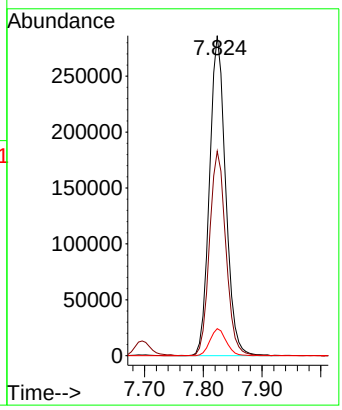




#47
Bromodichloromethane
Concen: 95.349 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 83 Resp: 54571

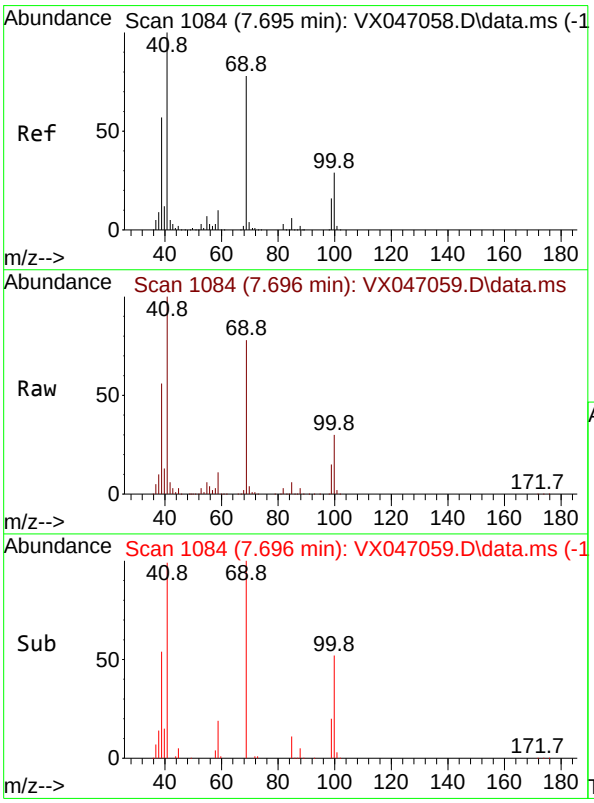
Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.9	74.9
127	8.4	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

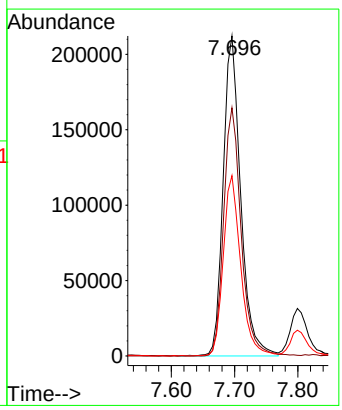
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

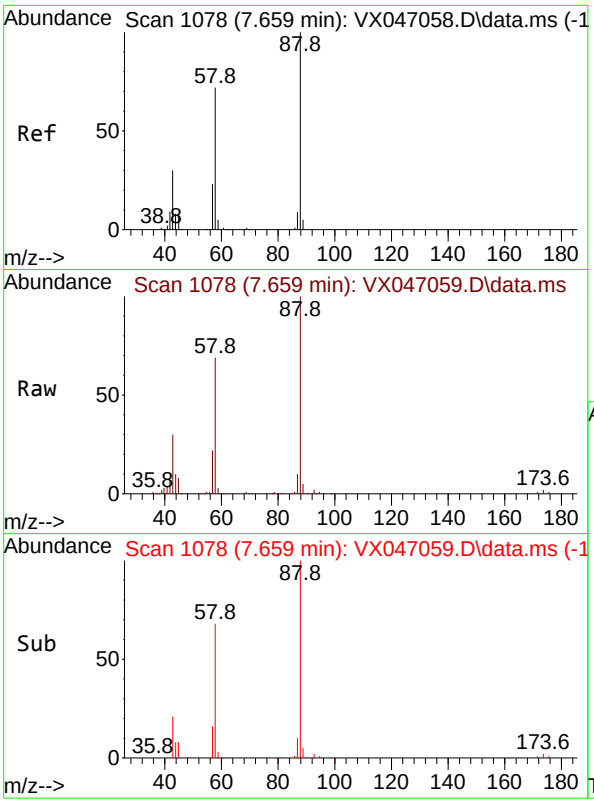


#48
Methyl methacrylate
Concen: 98.210 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 41 Resp: 406578

Ion	Ratio	Lower	Upper
41	100		
69	77.9	62.3	93.5
39	56.4	44.8	67.2





#49
1,4-Dioxane
Concen: 2074.633 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

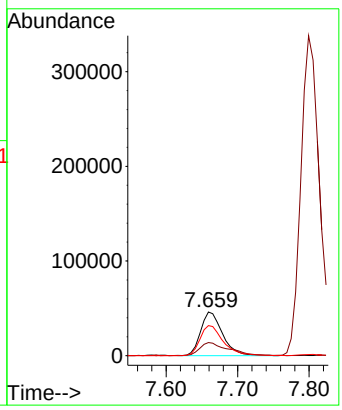
Tgt Ion: 88 Resp: 9768

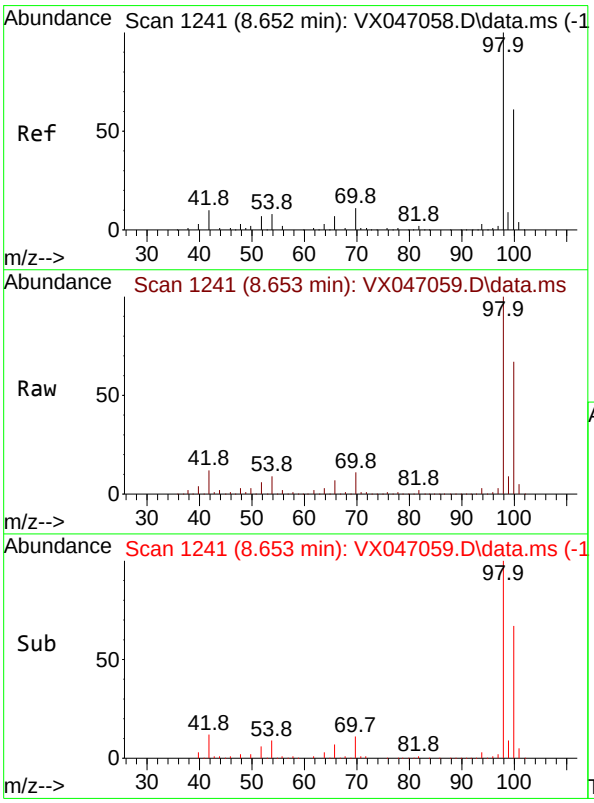
Ion	Ratio	Lower	Upper
88	100		
43	39.0	33.6	50.4
58	73.2	58.8	88.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

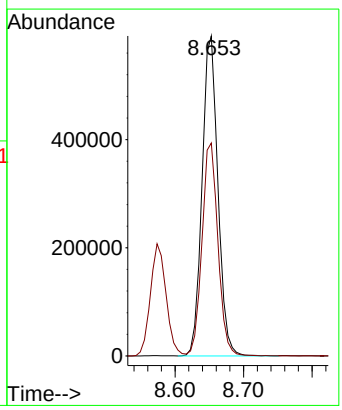


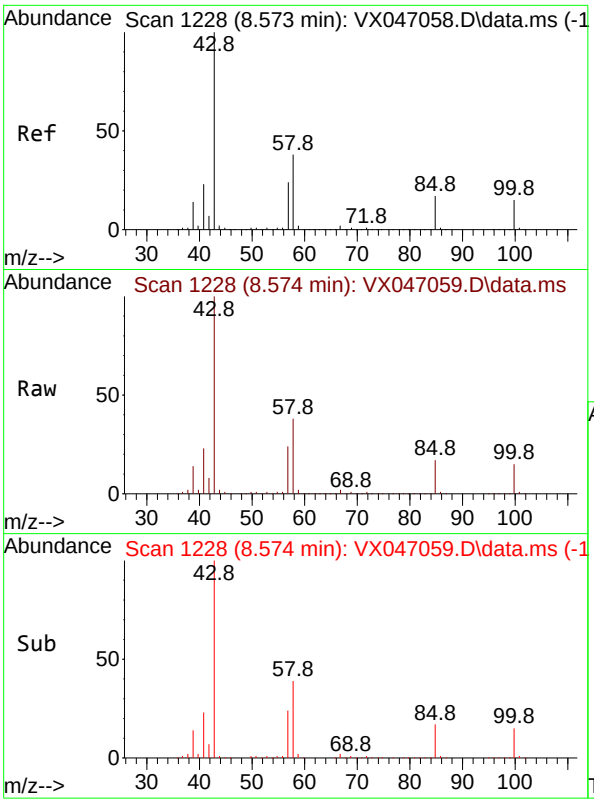


#50
Toluene-d8
Concen: 94.642 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 98 Resp: 951189

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9

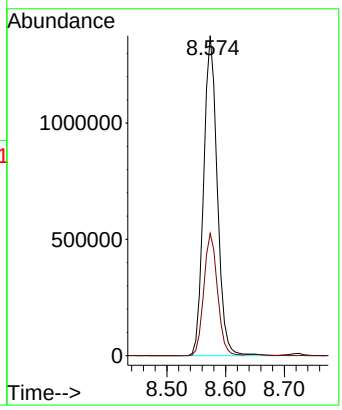




#51
4-Methyl-2-Pentanone
Concen: 490.000 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 43 Resp: 221329

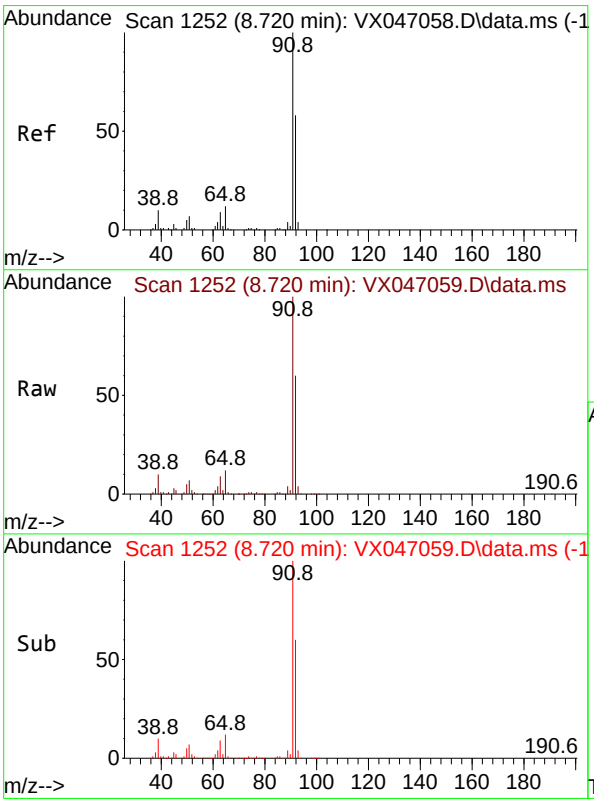
Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

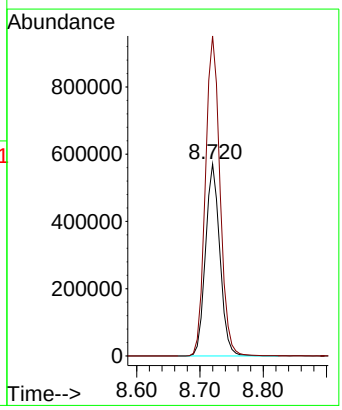
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

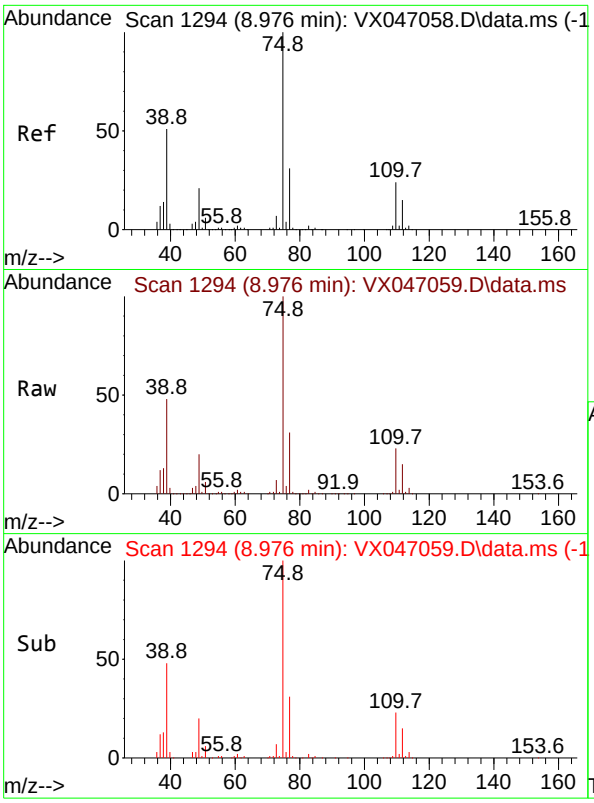


#52
Toluene
Concen: 95.648 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 92 Resp: 900379

Ion	Ratio	Lower	Upper
92	100		
91	169.7	137.9	206.9

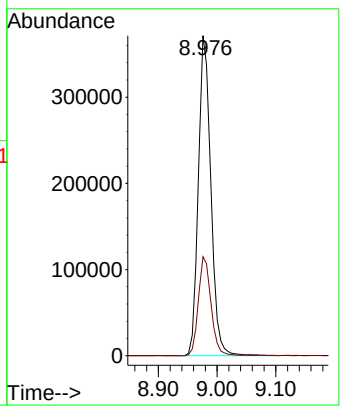




#53
t-1,3-Dichloropropene
Concen: 101.846 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 75 Resp: 55043

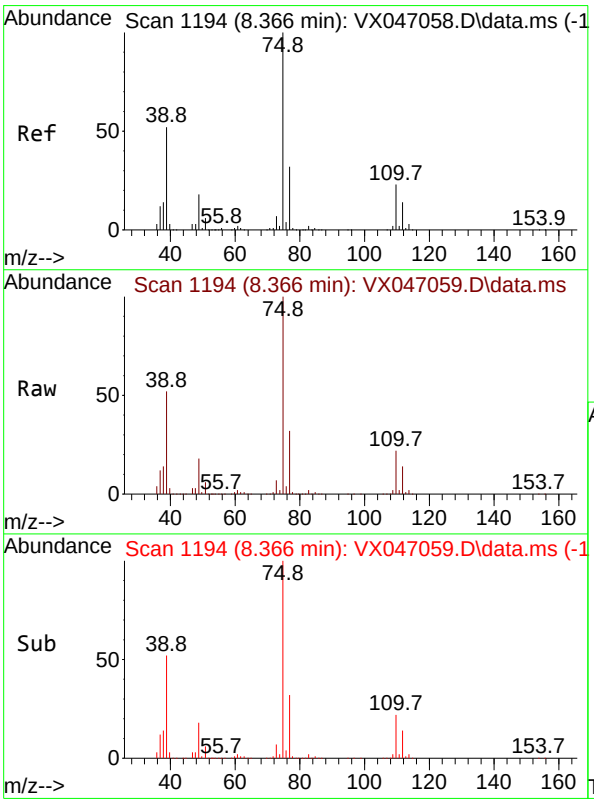
Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

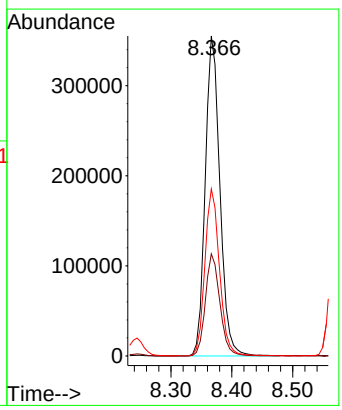
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

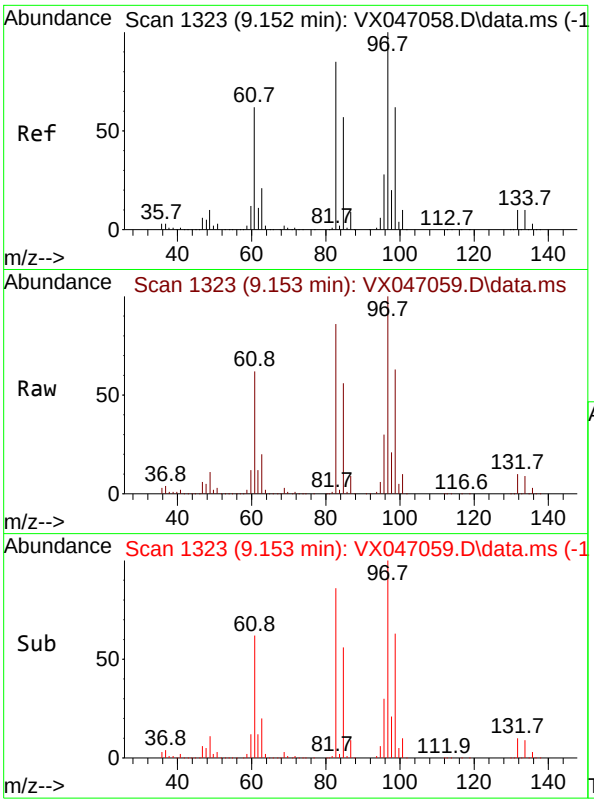


#54
cis-1,3-Dichloropropene
Concen: 100.700 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 75 Resp: 595662

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	52.1	41.8	62.6

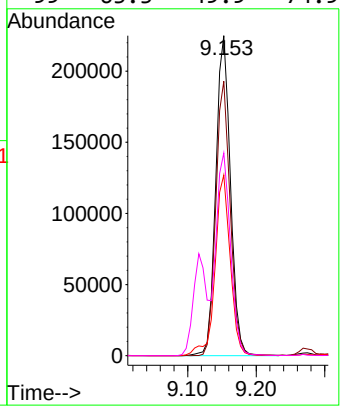




#55
1,1,2-Trichloroethane
Concen: 94.482 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 97 Resp: 33355

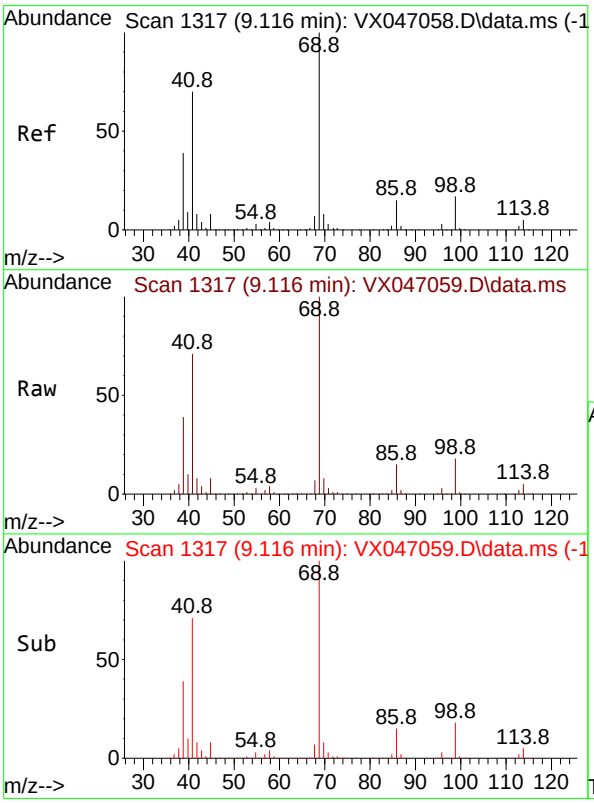
Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.0	102.0
85	56.5	45.2	67.8
99	63.3	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

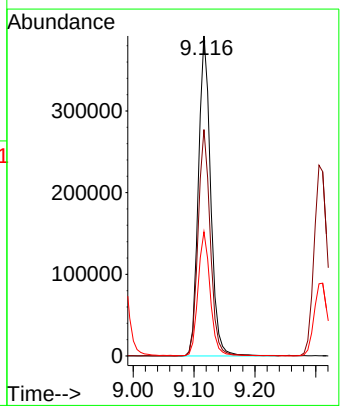
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

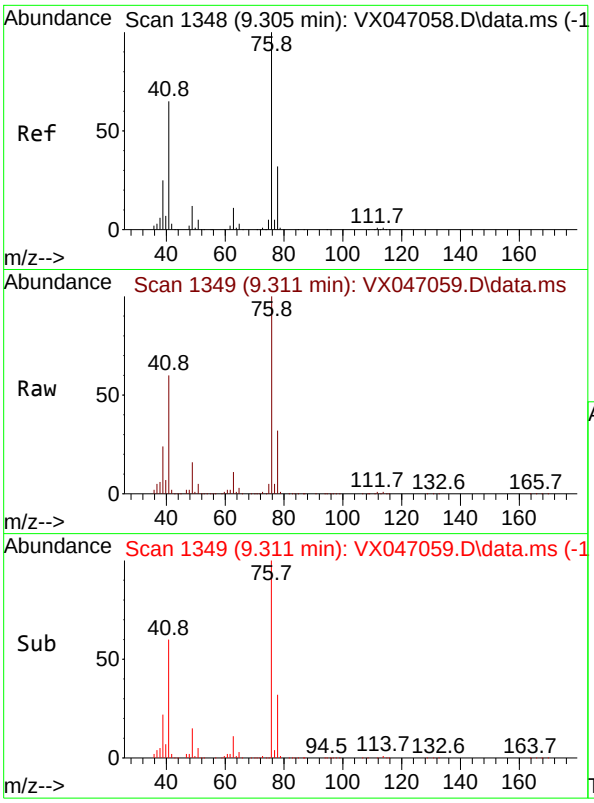


#56
Ethyl methacrylate
Concen: 104.649 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 69 Resp: 546929

Ion	Ratio	Lower	Upper
69	100		
41	70.7	56.1	84.1
39	38.2	31.1	46.7

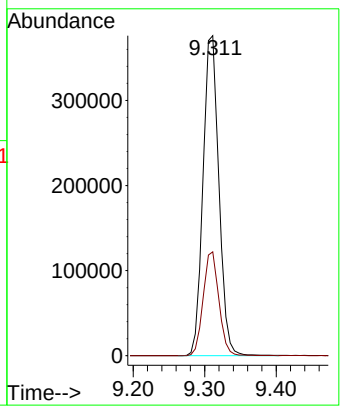




#57
1,3-Dichloropropane
Concen: 94.454 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 76 Resp: 57952

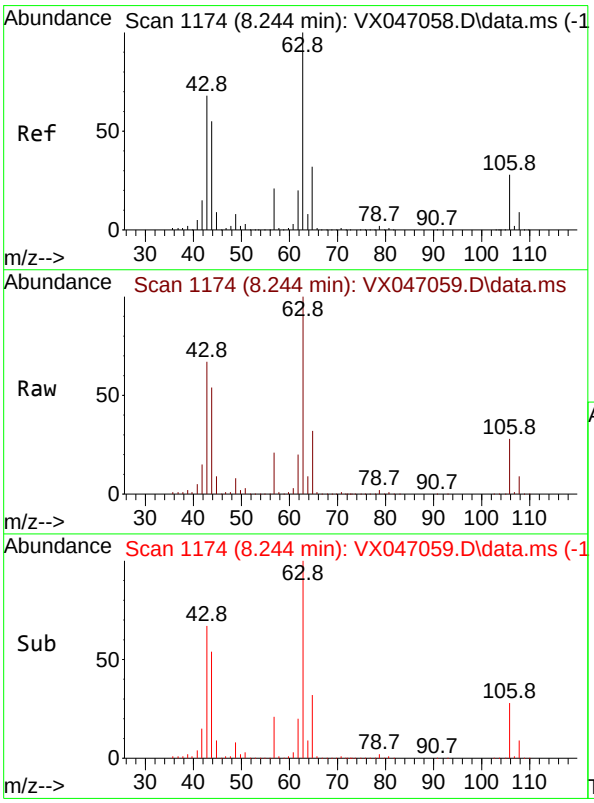
Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

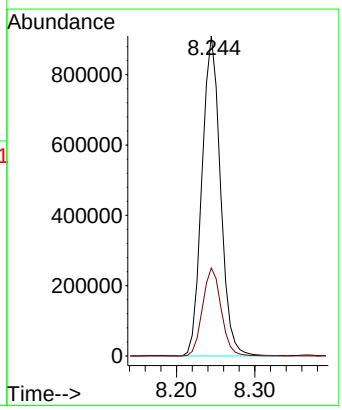
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

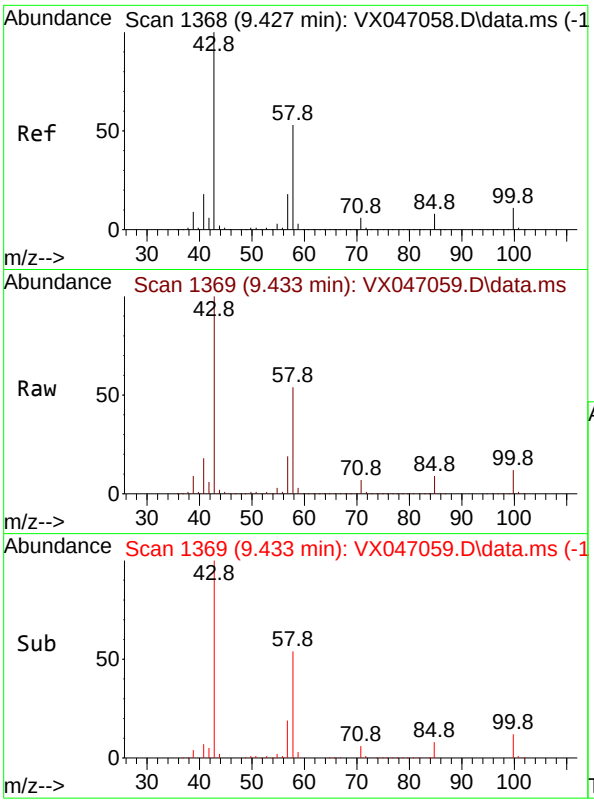


#58
2-Chloroethyl Vinyl ether
Concen: 512.296 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 63 Resp: 1489901

Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.2	33.4

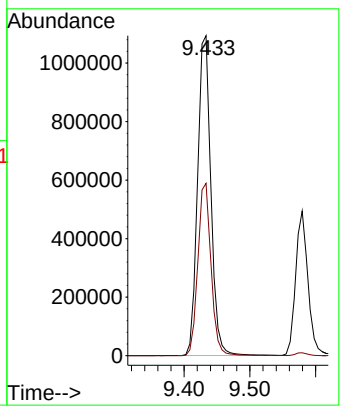




#59
2-Hexanone
Concen: 514.162 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 43 Resp: 153439

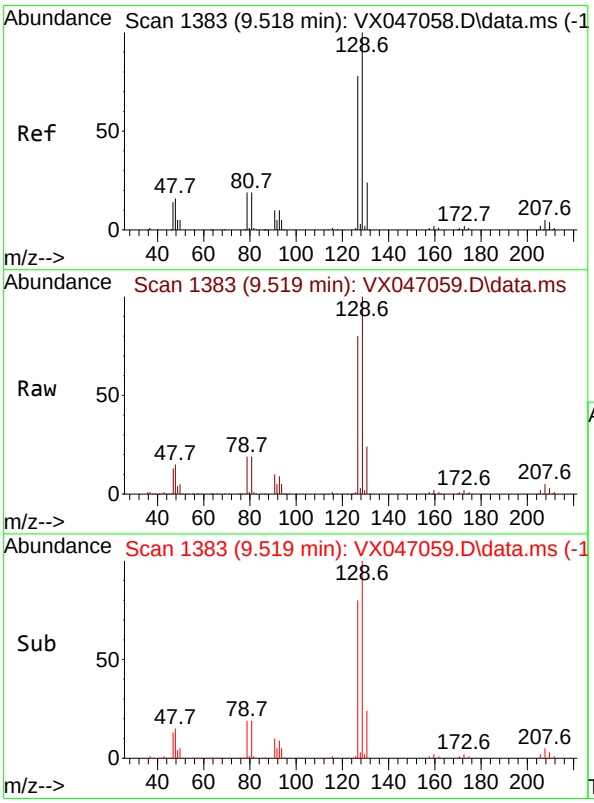
Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.5	79.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

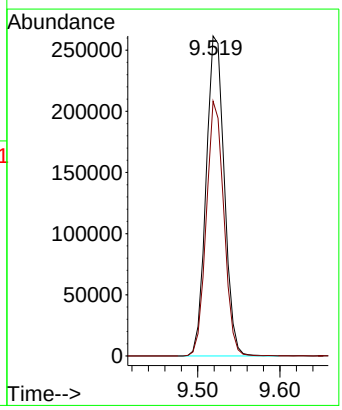
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

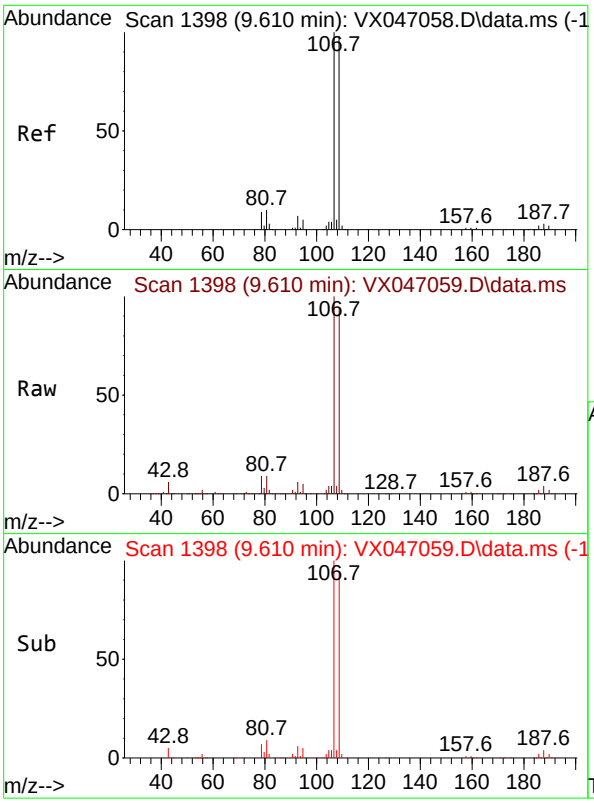


#60
Dibromochloromethane
Concen: 96.718 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:129 Resp: 400453

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8

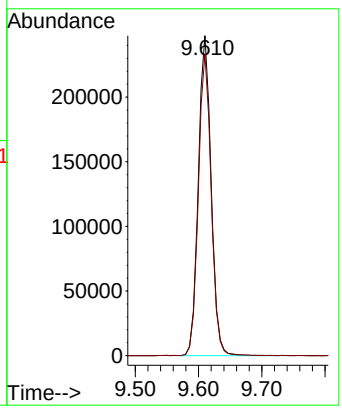




#61
1,2-Dibromoethane
Concen: 94.909 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:107 Resp: 35034

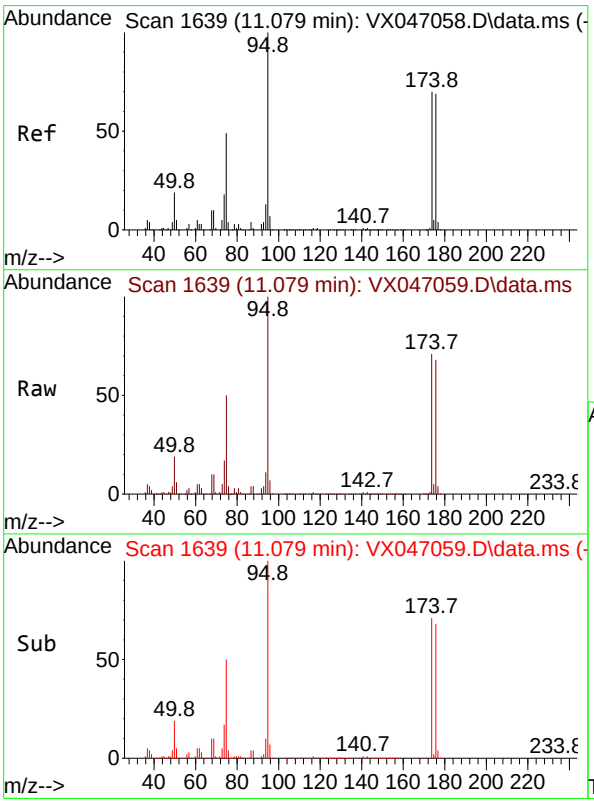
Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

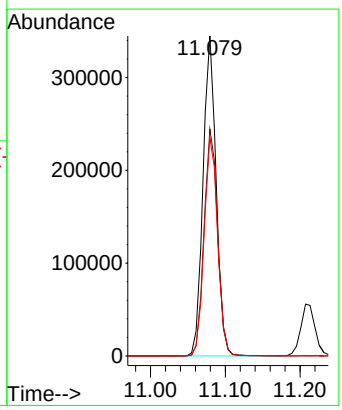
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

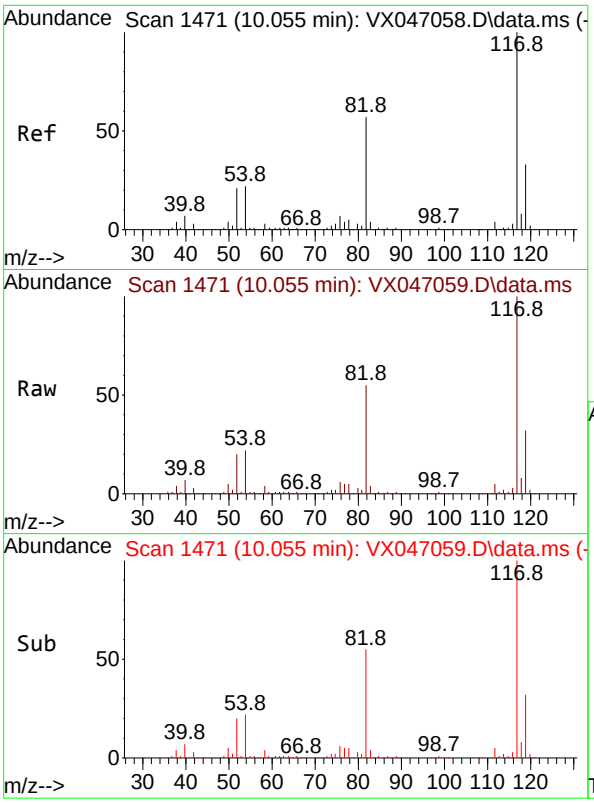


#62
4-Bromofluorobenzene
Concen: 96.692 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 95 Resp: 418790

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	144.6
176	70.3	0.0	139.6

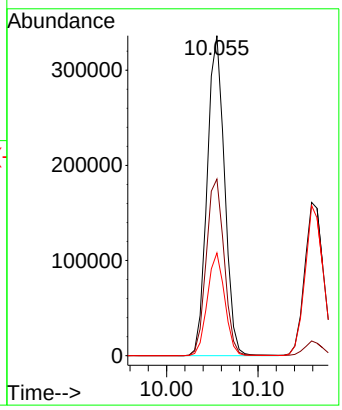




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:117 Resp: 443709

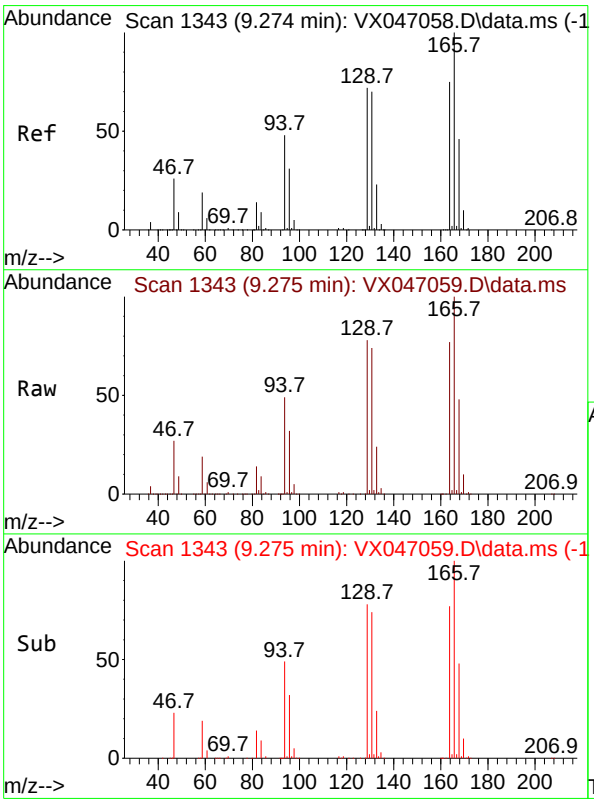
Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.4	68.2
119	32.1	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

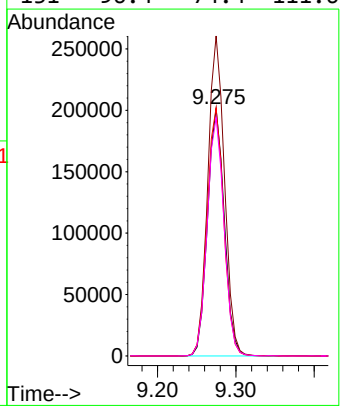
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

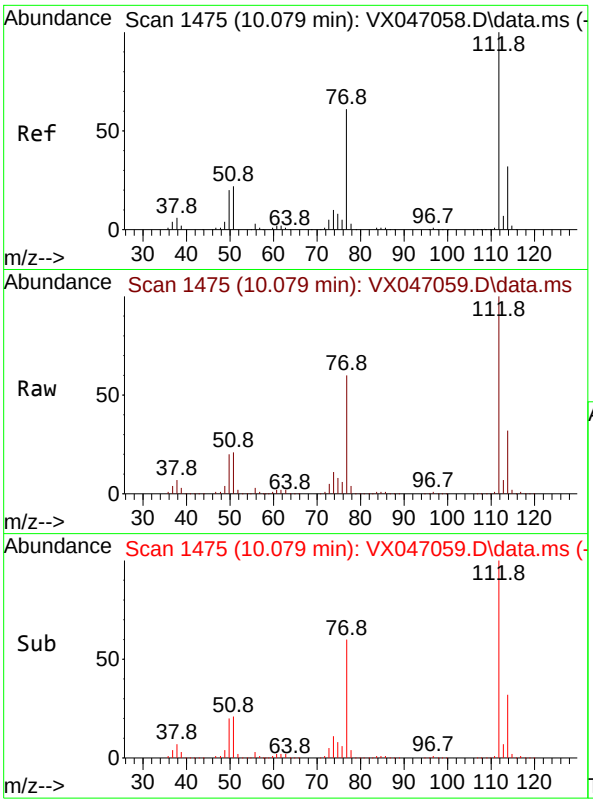


#64
Tetrachloroethene
Concen: 93.490 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:164 Resp: 299042

Ion	Ratio	Lower	Upper
164	100		
166	129.5	106.2	159.4
129	100.5	76.6	114.8
131	96.4	74.4	111.6





#65
Chlorobenzene
Concen: 95.134 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

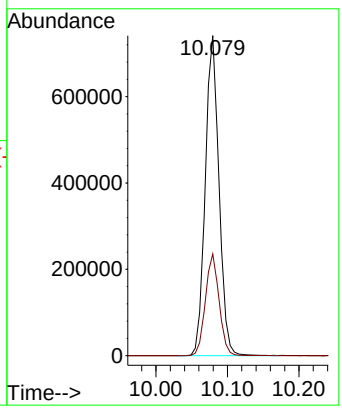
Tgt Ion:112 Resp: 98888

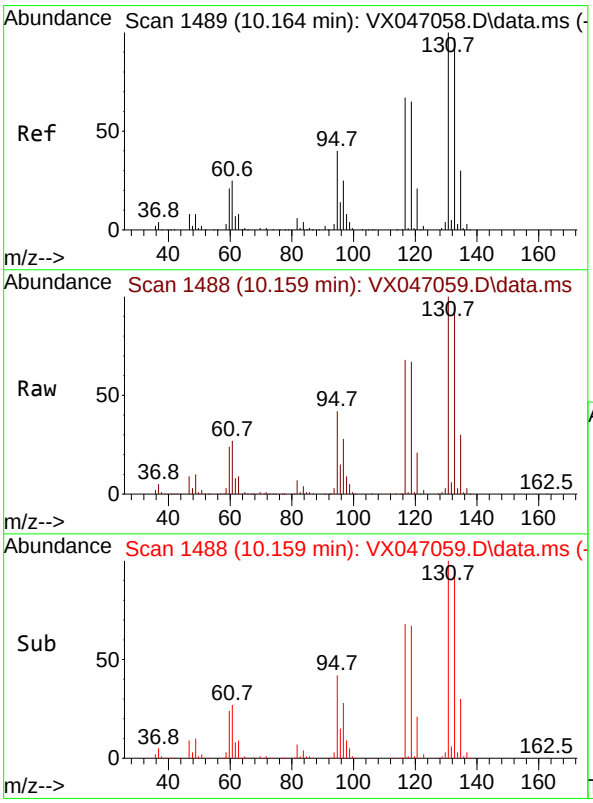
Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.6

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

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

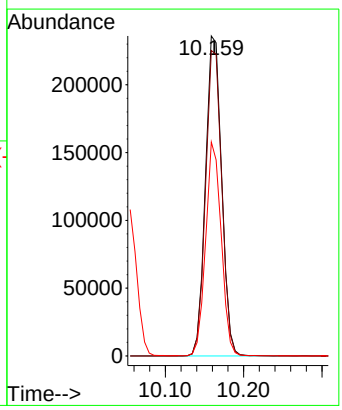


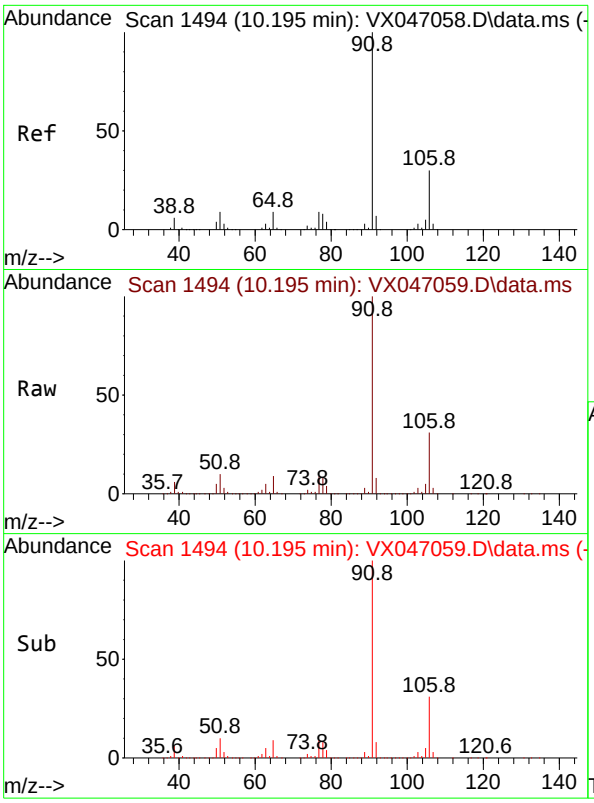


#66
1,1,1,2-Tetrachloroethane
Concen: 96.621 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:131 Resp: 338141

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.4	145.3
119	64.2	32.4	97.0

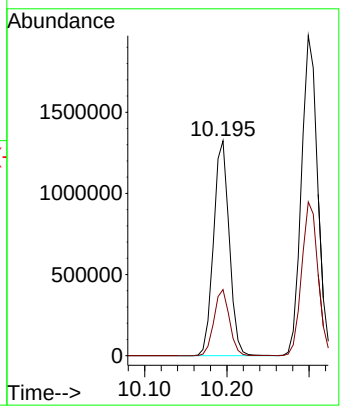




#67
Ethyl Benzene
Concen: 96.425 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 91 Resp: 175248

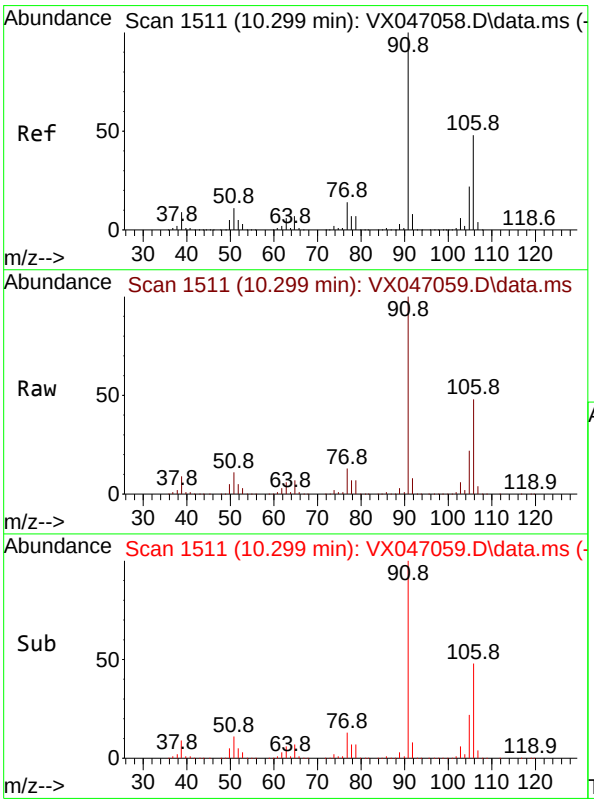
Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

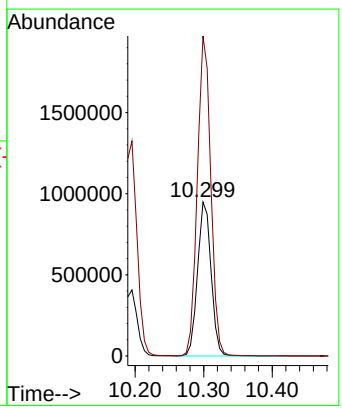
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

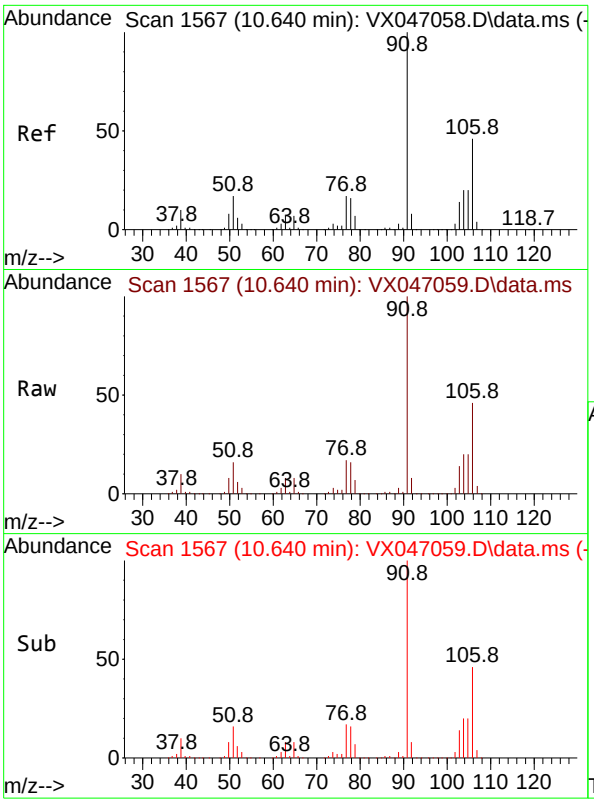


#68
m/p-Xylenes
Concen: 191.494 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:106 Resp: 1302405

Ion	Ratio	Lower	Upper
106	100		
91	206.9	167.4	251.0

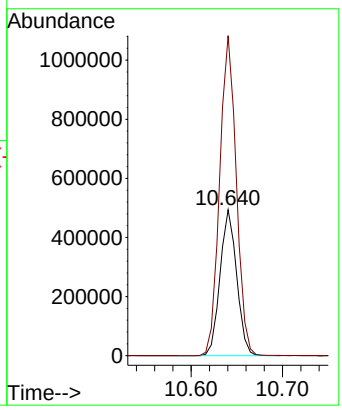




#69
o-Xylene
Concen: 96.565 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:106 Resp: 62479

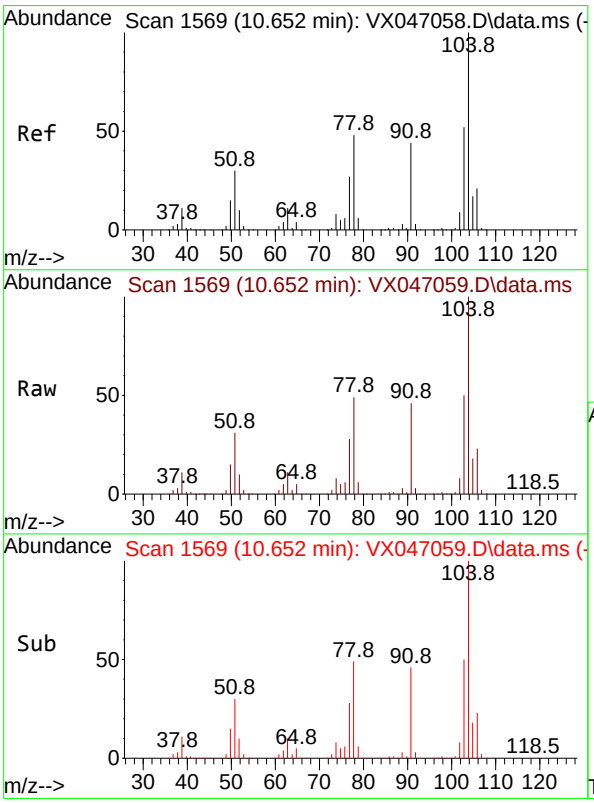
Ion	Ratio	Lower	Upper
106	100		
91	219.8	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

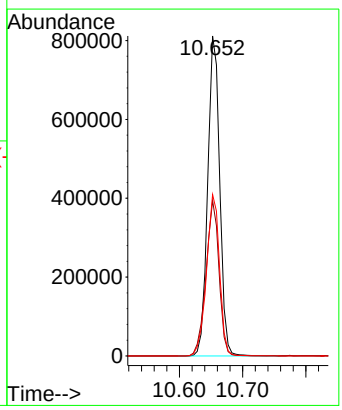
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

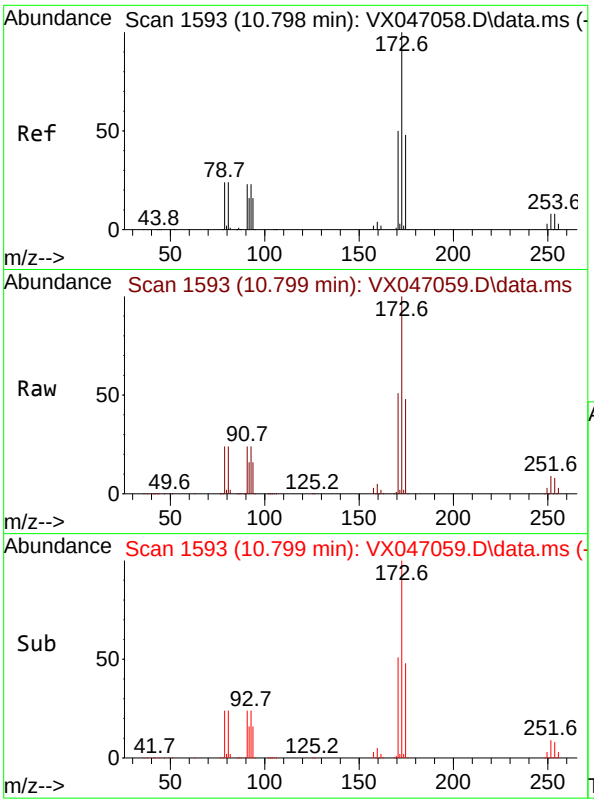


#70
Styrene
Concen: 96.694 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:104 Resp: 1072801

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.0	63.0
103	54.7	43.8	65.6

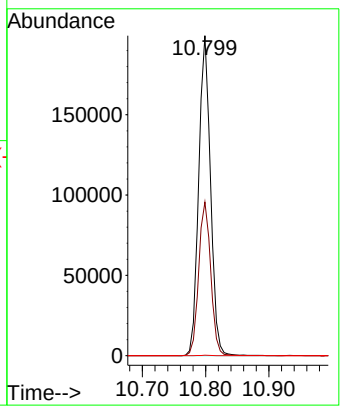




#71
Bromoform
Concen: 97.473 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:173 Resp: 25912

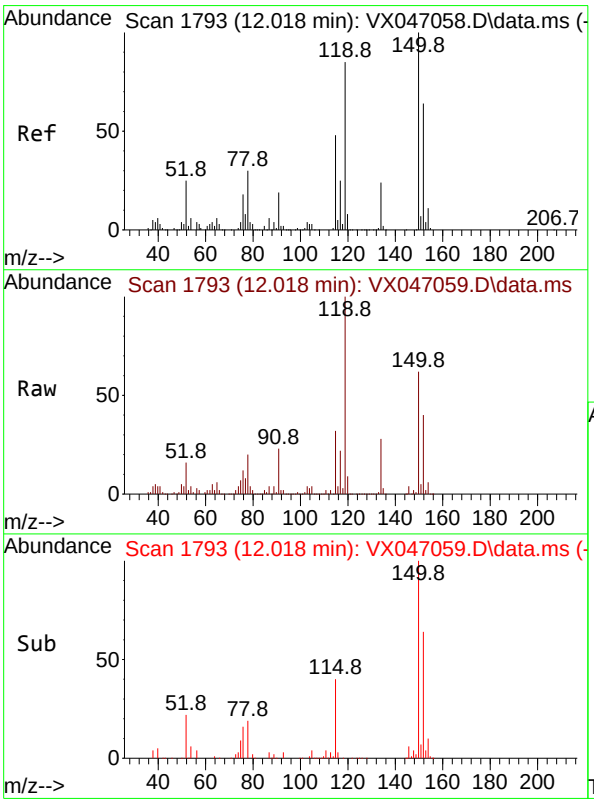
Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

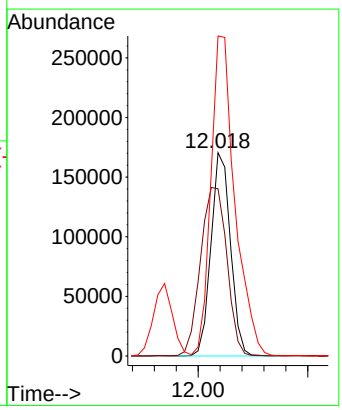
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

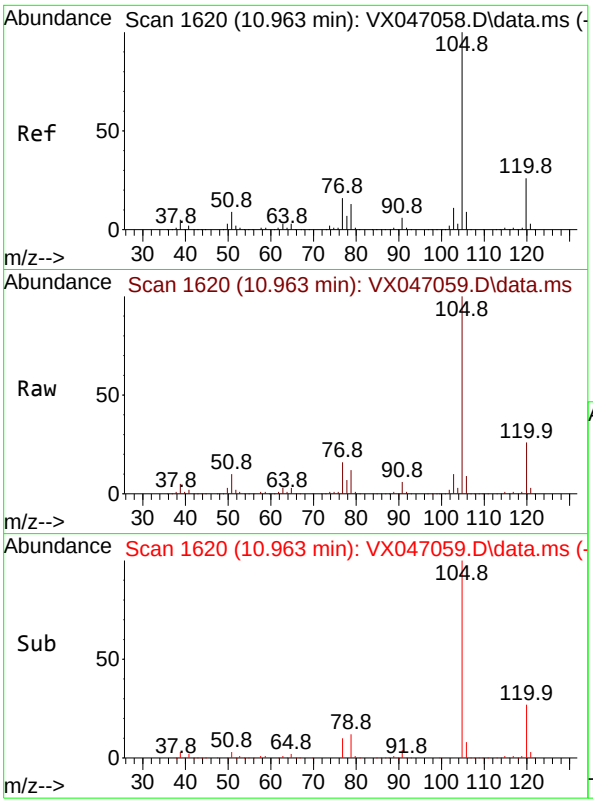


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:152 Resp: 210644

Ion	Ratio	Lower	Upper
152	100		
115	112.2	45.6	136.7
150	193.3	0.0	354.6

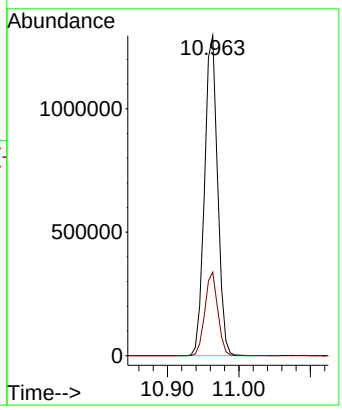




#73
Isopropylbenzene
Concen: 99.034 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:105 Resp: 164580

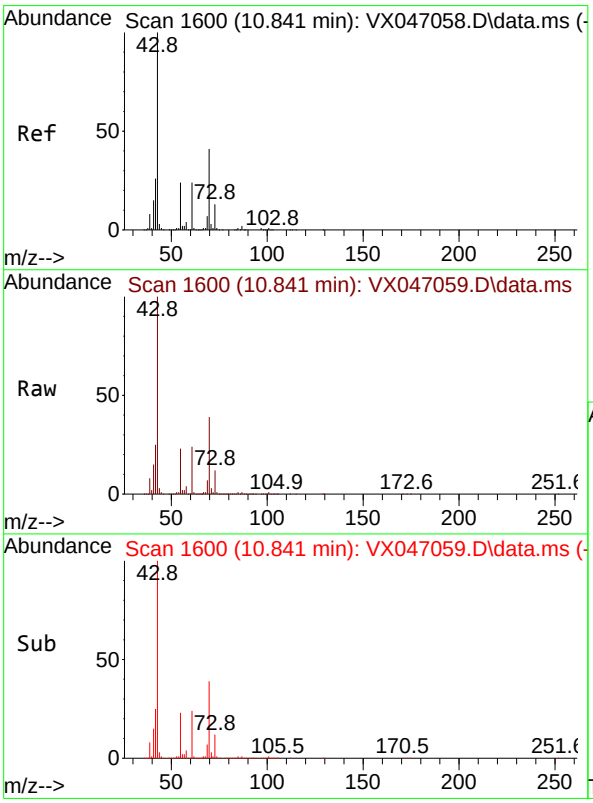
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

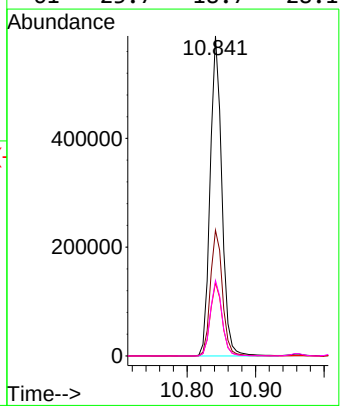
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

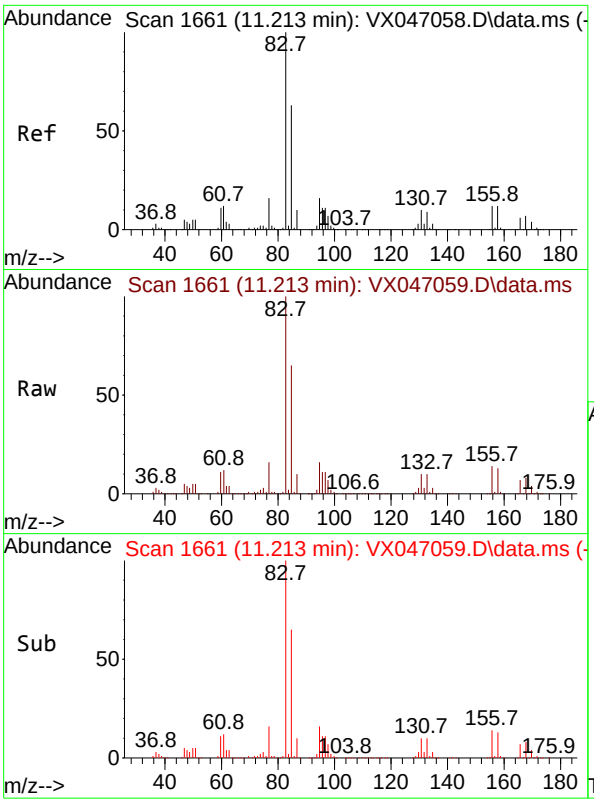


#74
N-amyl acetate
Concen: 105.369 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 43 Resp: 698465

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.3	48.5
55	23.3	18.9	28.3
61	23.7	18.7	28.1

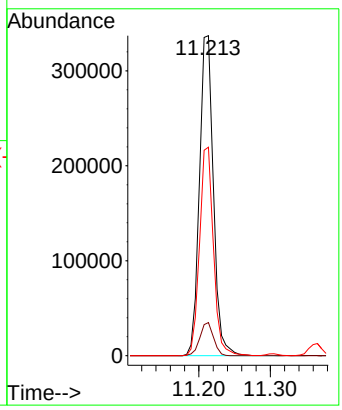




#75
1,1,2,2-Tetrachloroethane
Concen: 96.283 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 83 Resp: 45705

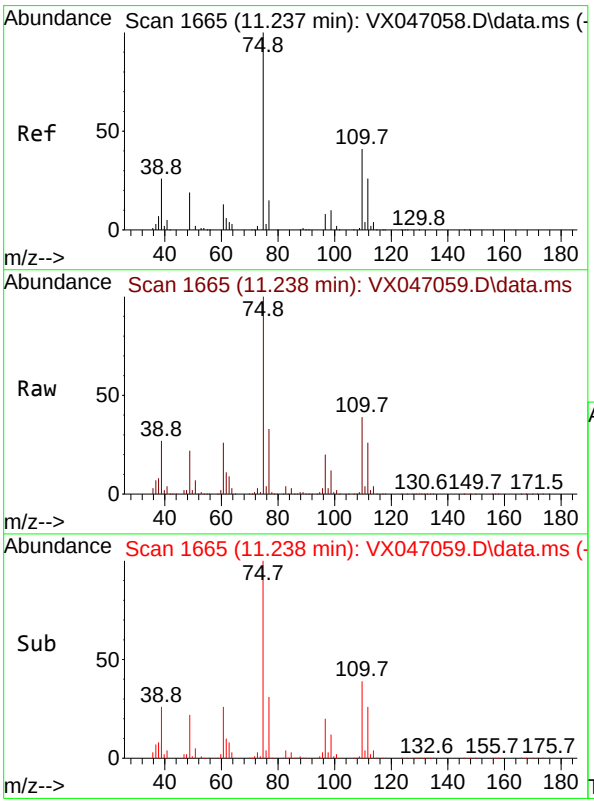
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	64.8	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

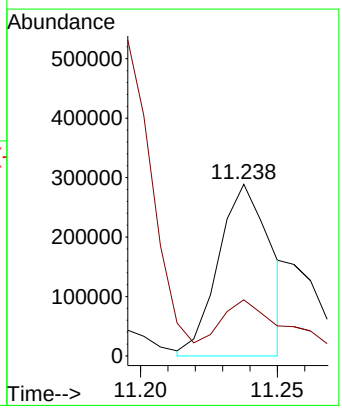
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

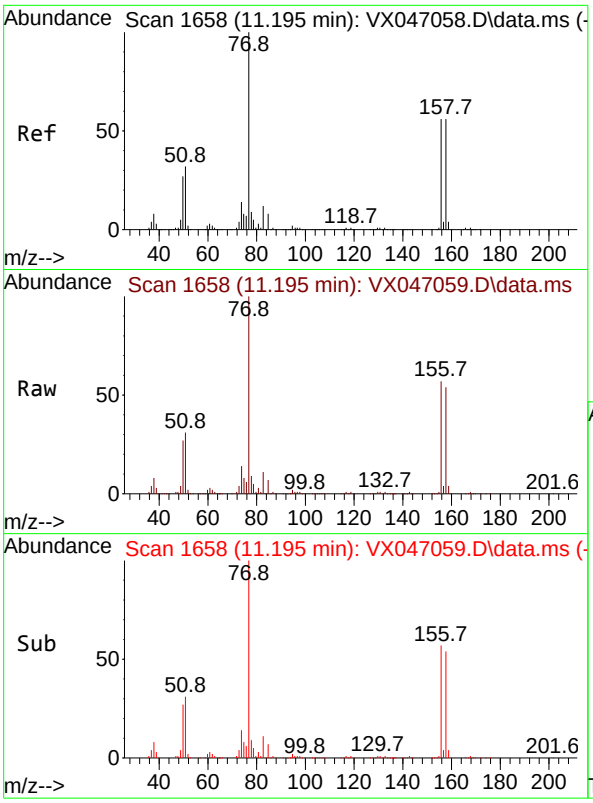


#76
1,2,3-Trichloropropane
Concen: 97.686 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 75 Resp: 380871

Ion	Ratio	Lower	Upper
75	100		
77	43.0	21.6	65.0

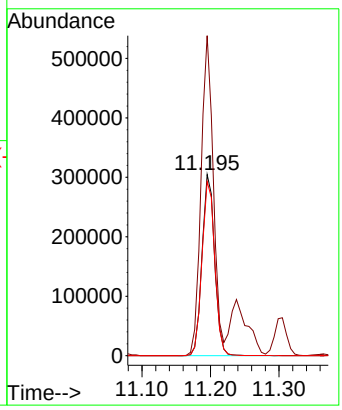




#77
Bromobenzene
Concen: 97.789 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:156 Resp: 38978

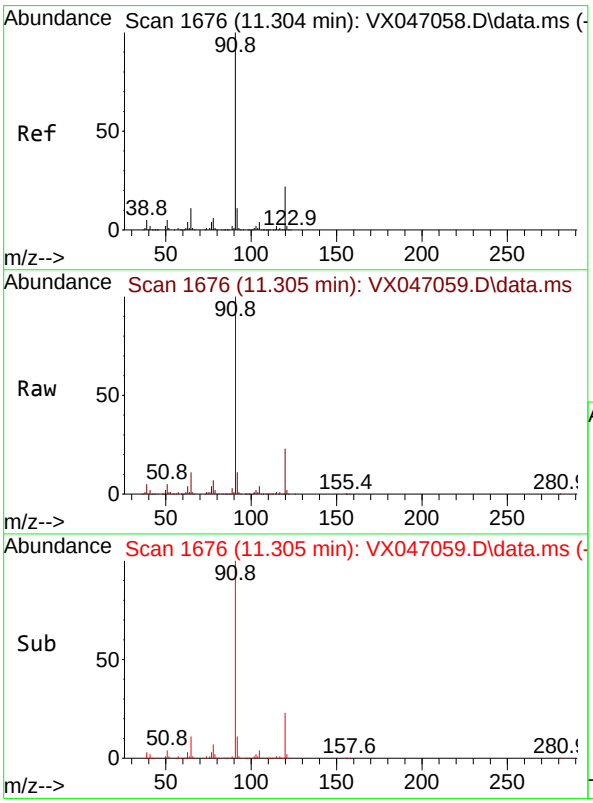
Ion	Ratio	Lower	Upper
156	100		
77	172.5	87.3	261.9
158	97.8	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

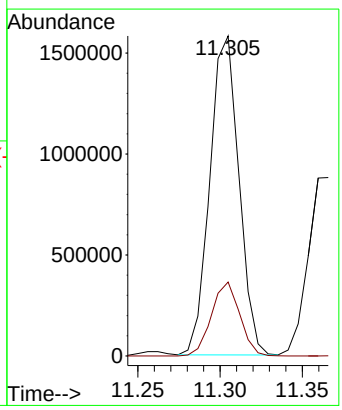
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

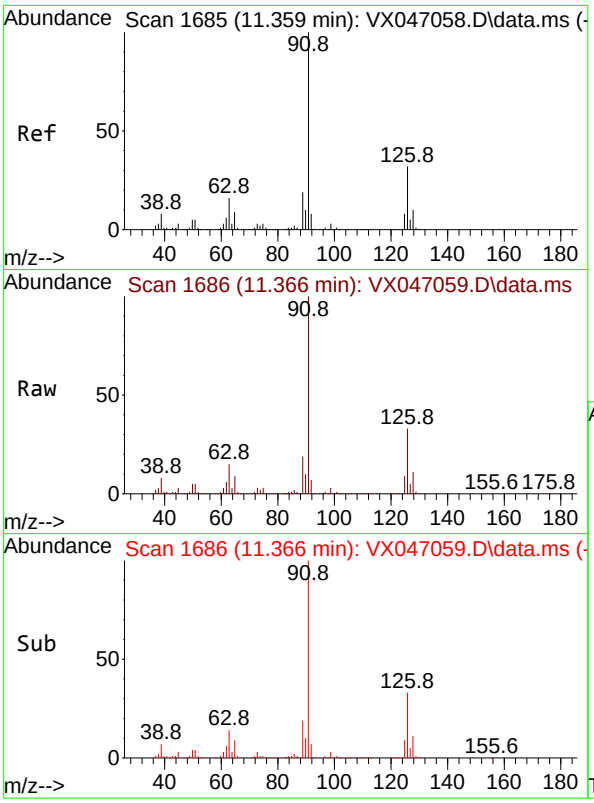


#78
n-propylbenzene
Concen: 97.969 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 91 Resp: 1945548

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.0	33.0

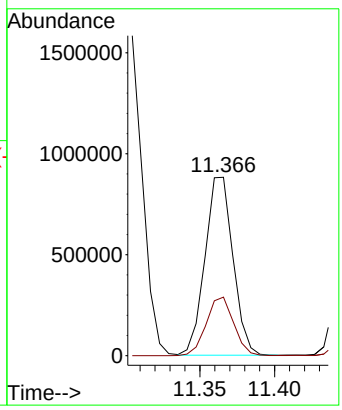




#79
2-Chlorotoluene
Concen: 96.889 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 91 Resp: 115016

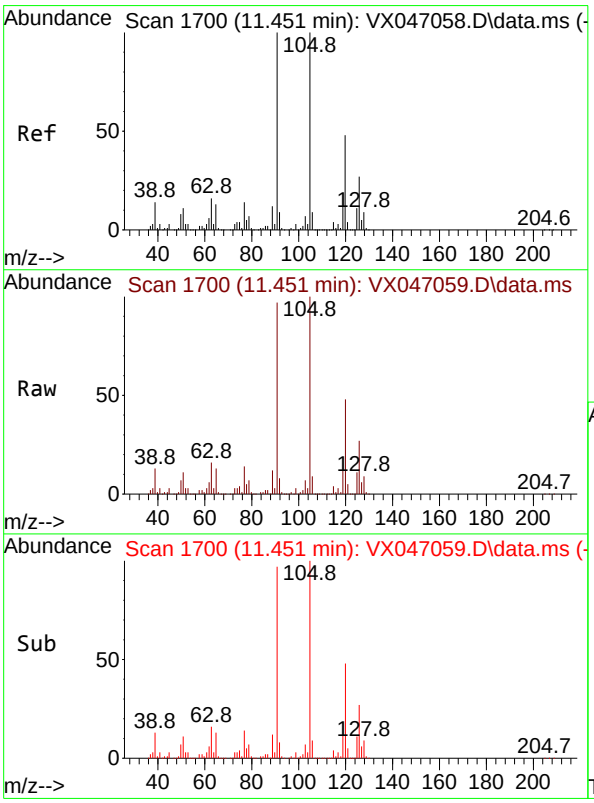
Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

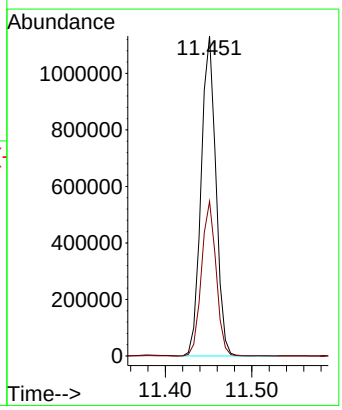
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

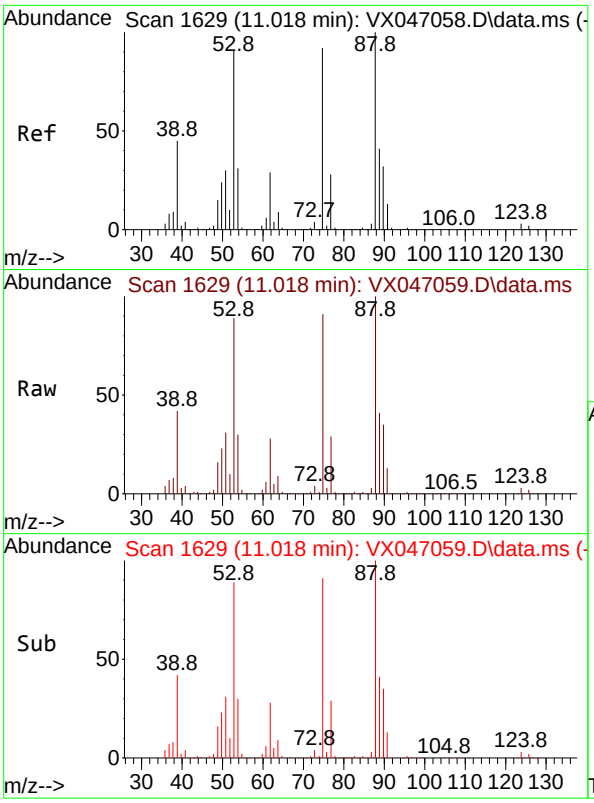


#80
1,3,5-Trimethylbenzene
Concen: 97.612 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:105 Resp: 1340151

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 104.426 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

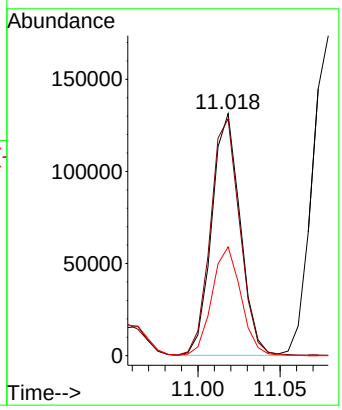
Tgt Ion: 75 Resp: 15803

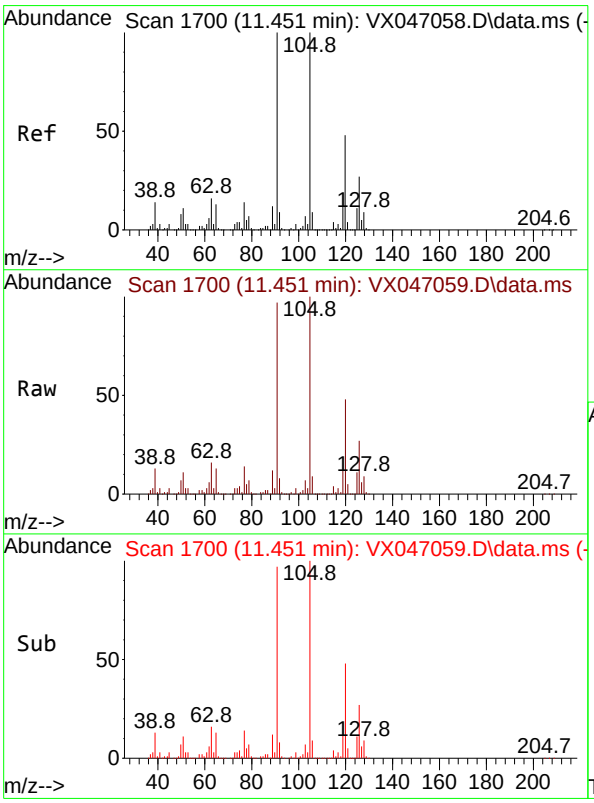
Ion	Ratio	Lower	Upper
75	100		
53	101.5	84.2	126.4
89	45.8	36.0	54.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

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

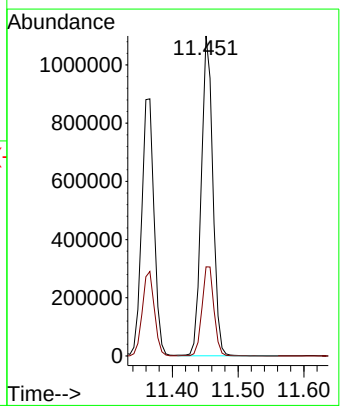


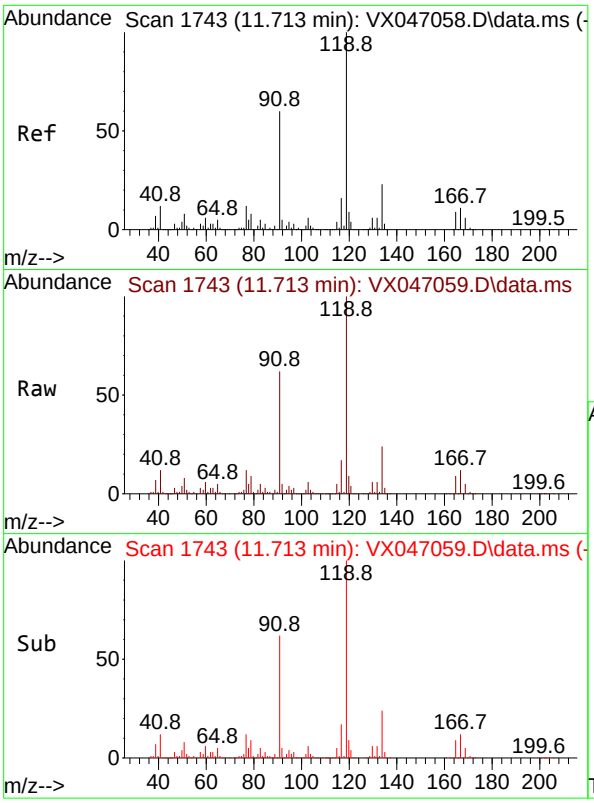


#82
4-Chlorotoluene
Concen: 96.766 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 91 Resp: 1340796

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.1	42.3

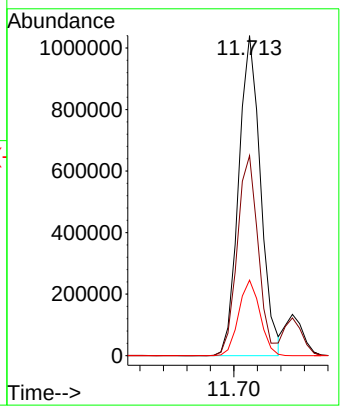




#83
tert-Butylbenzene
Concen: 97.765 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:119 Resp: 134720

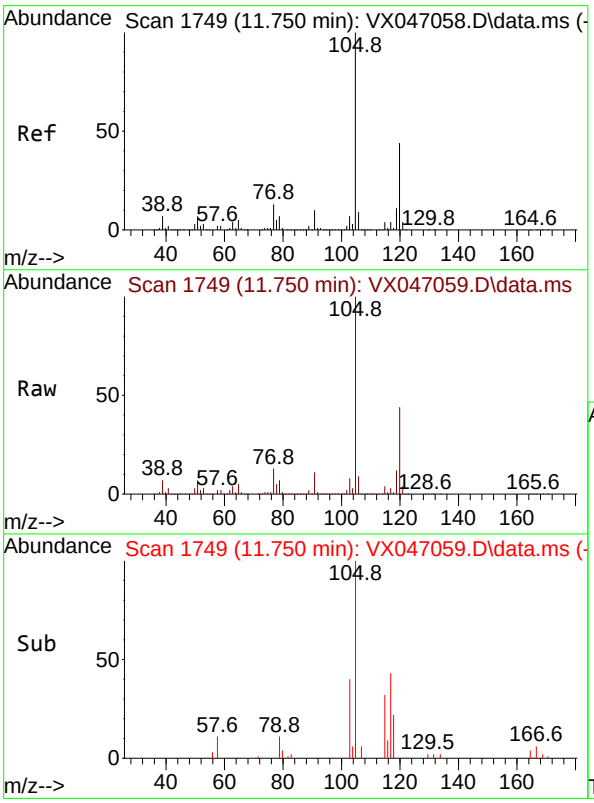
Ion	Ratio	Lower	Upper
119	100		
91	60.5	29.6	88.8
134	23.0	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

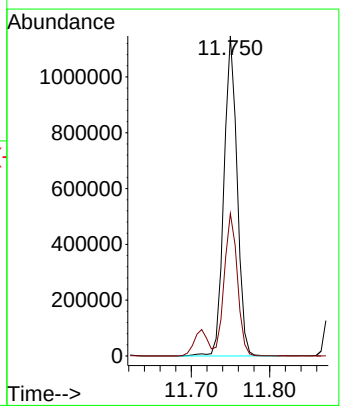
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

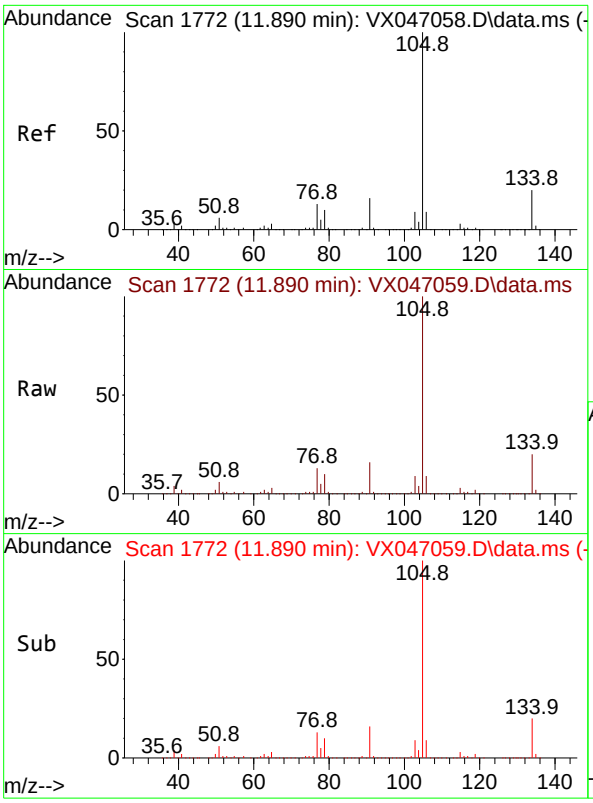


#84
1,2,4-Trimethylbenzene
Concen: 98.362 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:105 Resp: 1346982

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.0	66.0

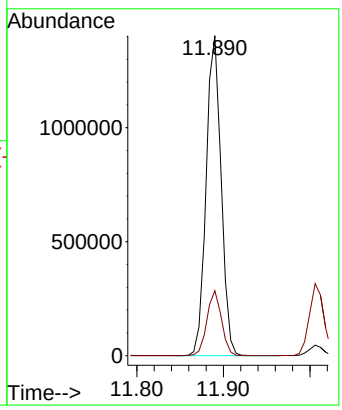




#85
sec-Butylbenzene
Concen: 97.702 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:105 Resp: 168220

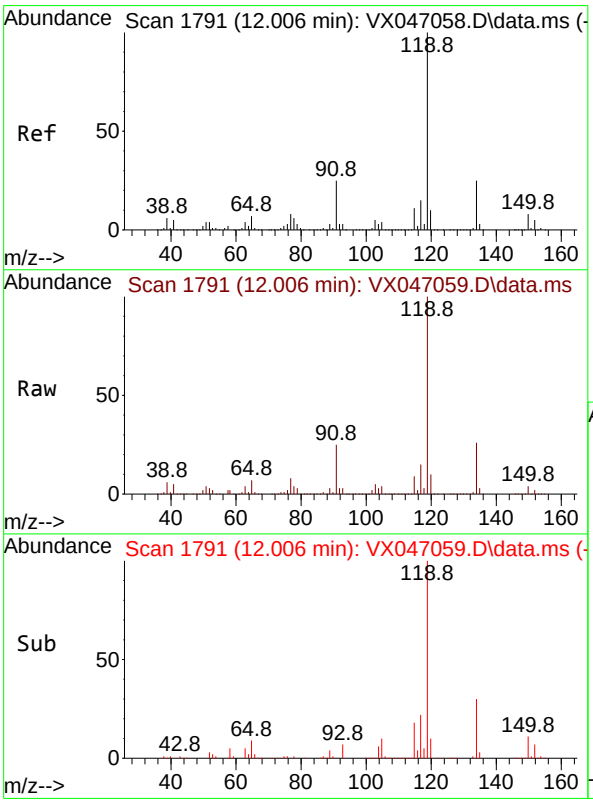
Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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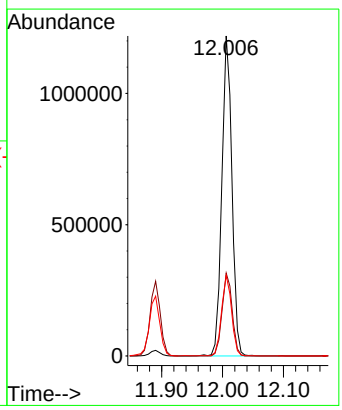
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

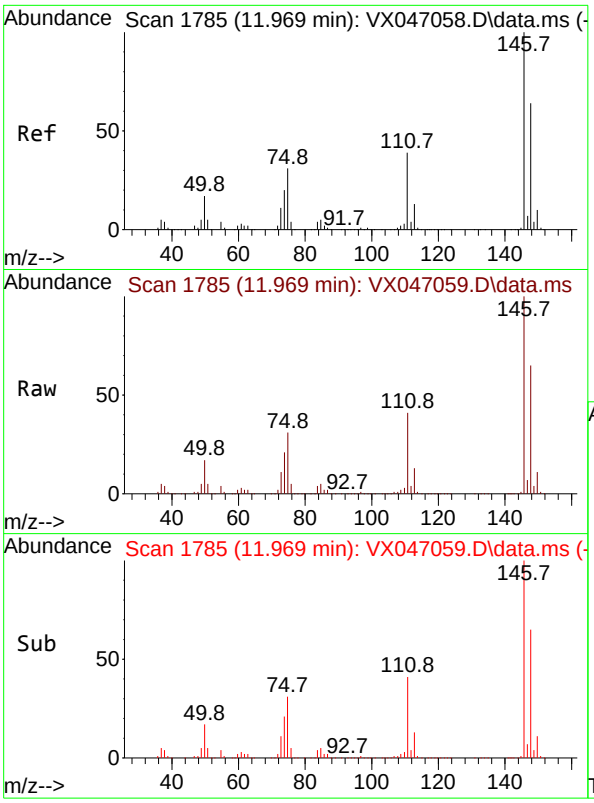


#86
p-Isopropyltoluene
Concen: 98.379 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:119 Resp: 1404678

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.0	12.4	37.4

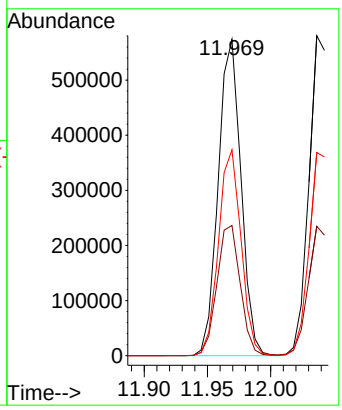




#87
1,3-Dichlorobenzene
Concen: 94.782 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:146 Resp: 71785

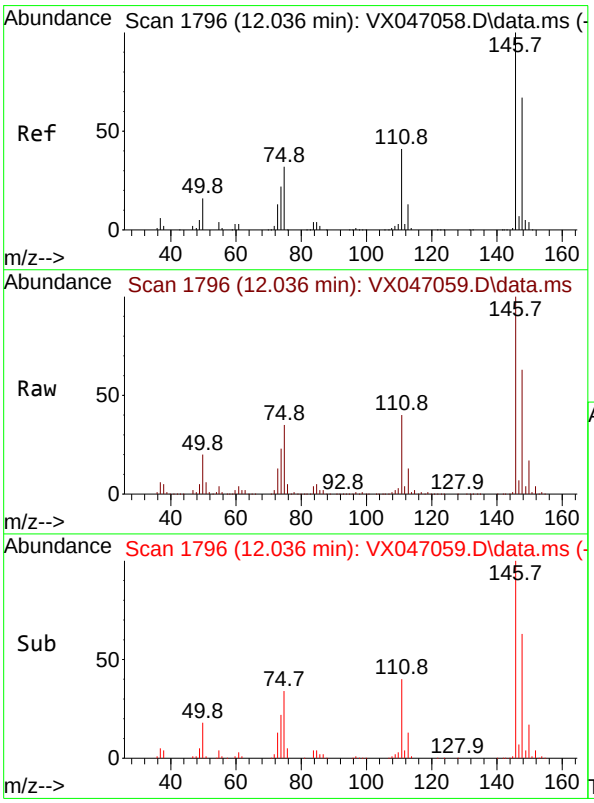
Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.0	63.0
148	64.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

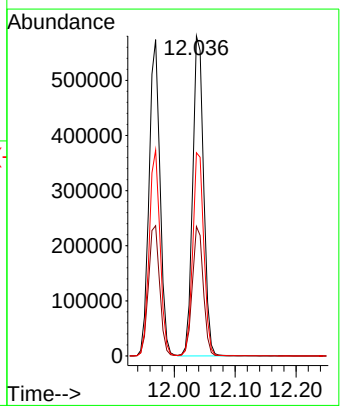
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

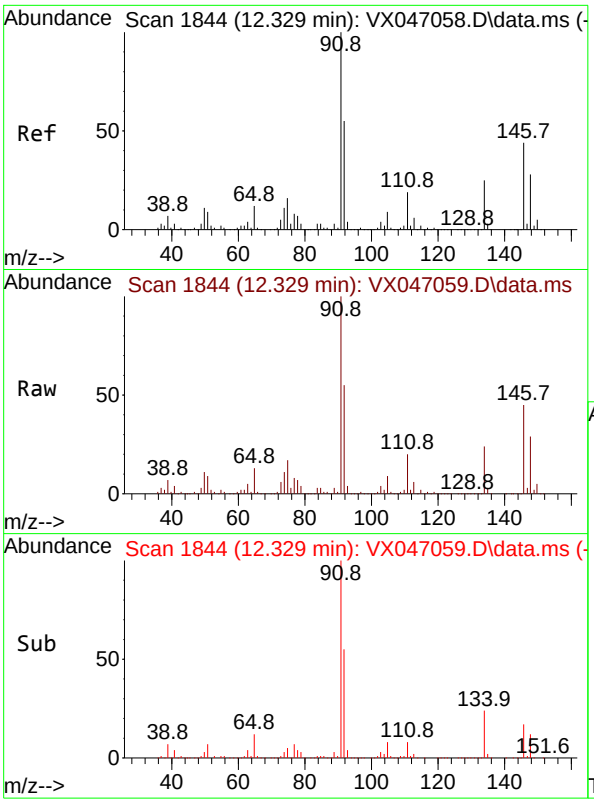


#88
1,4-Dichlorobenzene
Concen: 94.617 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:146 Resp: 726014

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.9
148	64.2	33.0	98.9

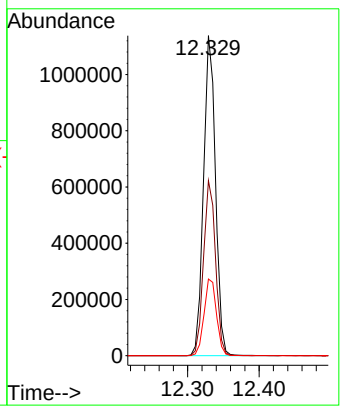




#89
n-Butylbenzene
Concen: 98.826 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 91 Resp: 132327

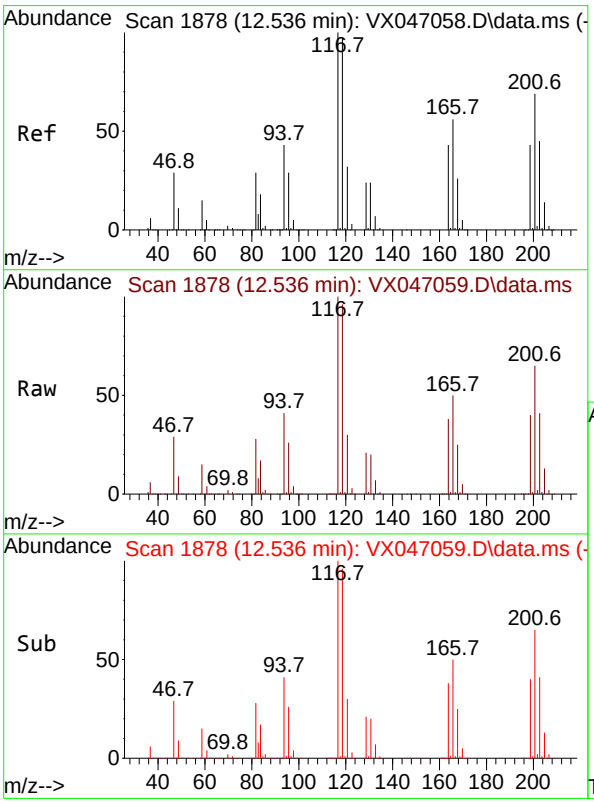
Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.5
134	25.0	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

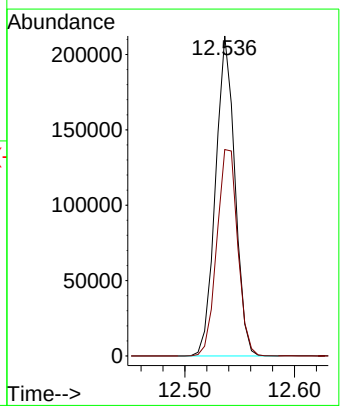
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

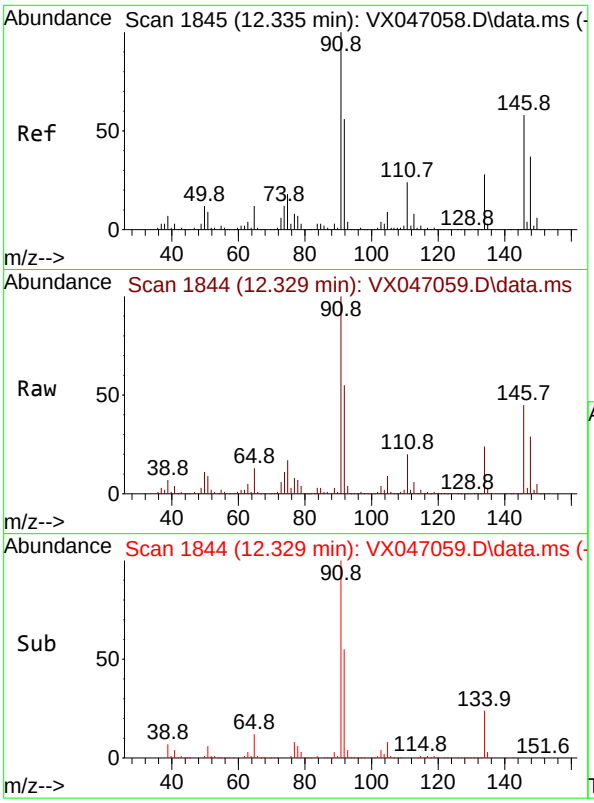


#90
Hexachloroethane
Concen: 102.152 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:117 Resp: 260929

Ion	Ratio	Lower	Upper
117	100		
201	69.6	34.8	104.5

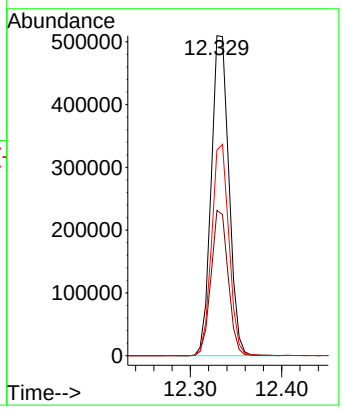




#91
1,2-Dichlorobenzene
Concen: 94.557 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:146 Resp: 68446

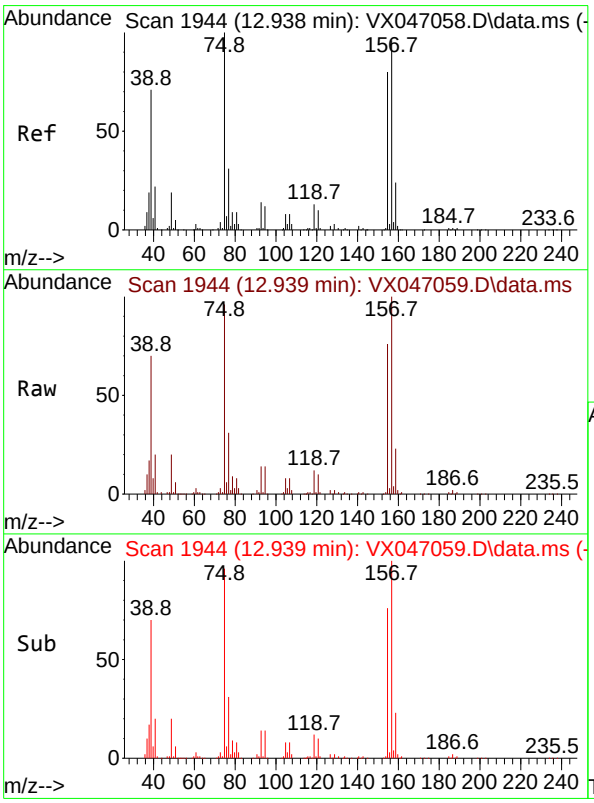
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	64.6
148	64.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

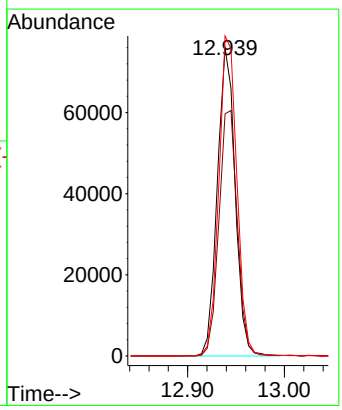
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

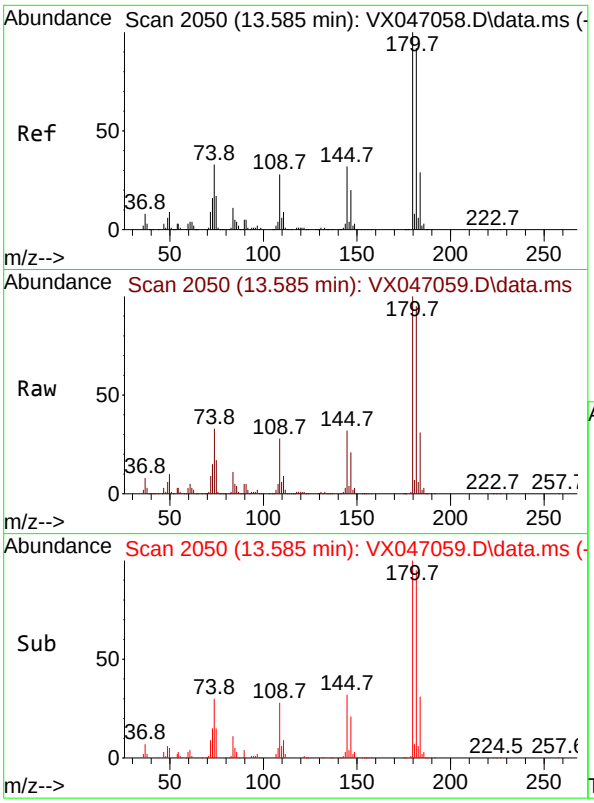


#92
1,2-Dibromo-3-Chloropropane
Concen: 106.683 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 75 Resp: 97209

Ion	Ratio	Lower	Upper
75	100		
155	82.3	41.3	124.1
157	104.9	52.8	158.3

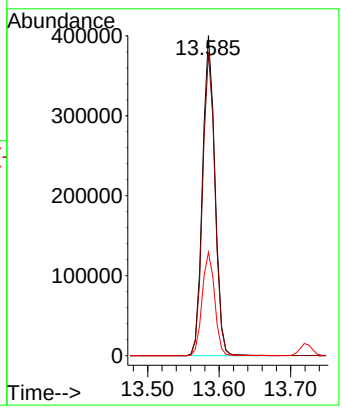




#93
1,2,4-Trichlorobenzene
Concen: 100.755 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:180 Resp: 48186

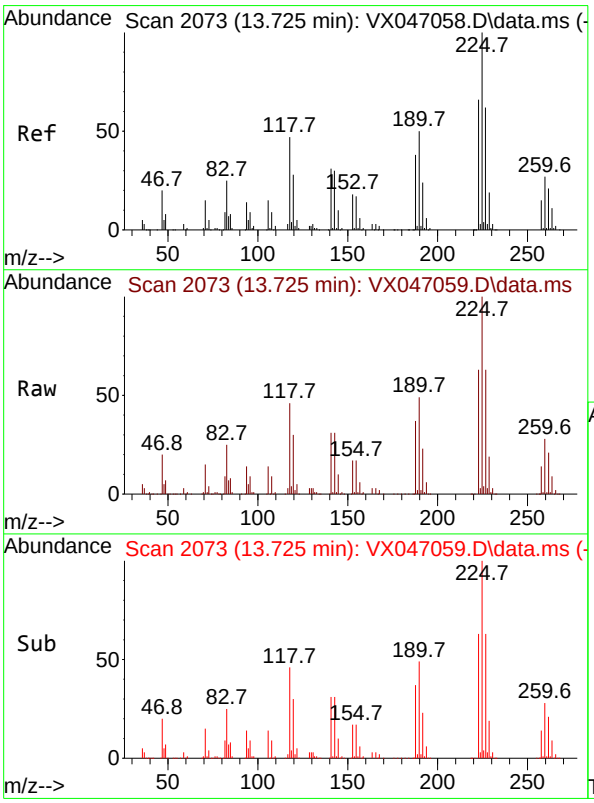
Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.8
145	32.6	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

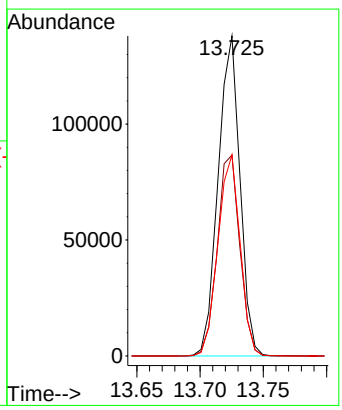
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

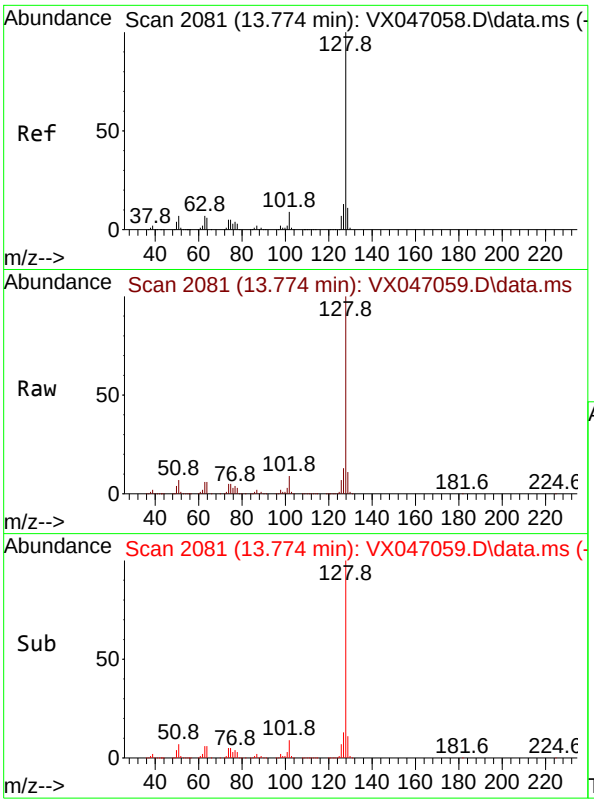


#94
Hexachlorobutadiene
Concen: 101.539 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:225 Resp: 165153

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.6	95.0
227	63.9	32.9	98.6

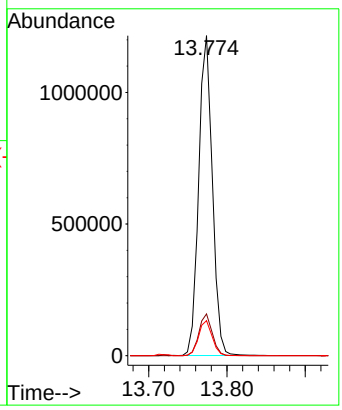




#95
Naphthalene
Concen: 105.135 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:128 Resp: 147403

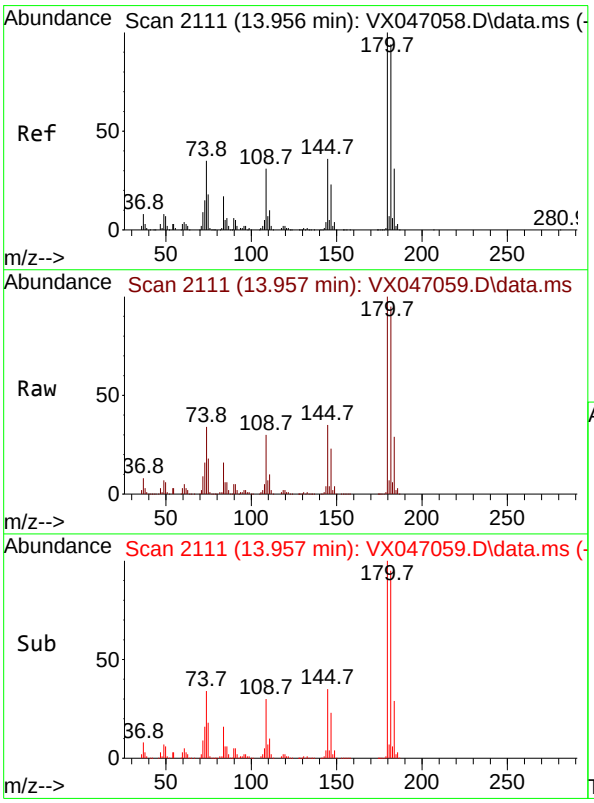
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations
APPROVED

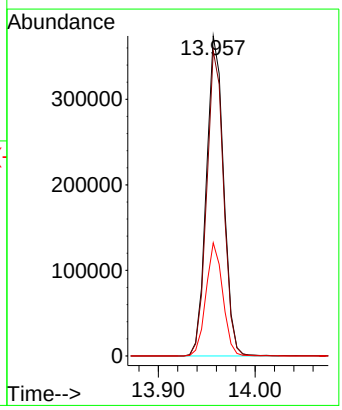
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 100.760 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:180 Resp: 464244

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.6
145	34.4	17.3	52.0



Quantitation Report (QT Reviewed)

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

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

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

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

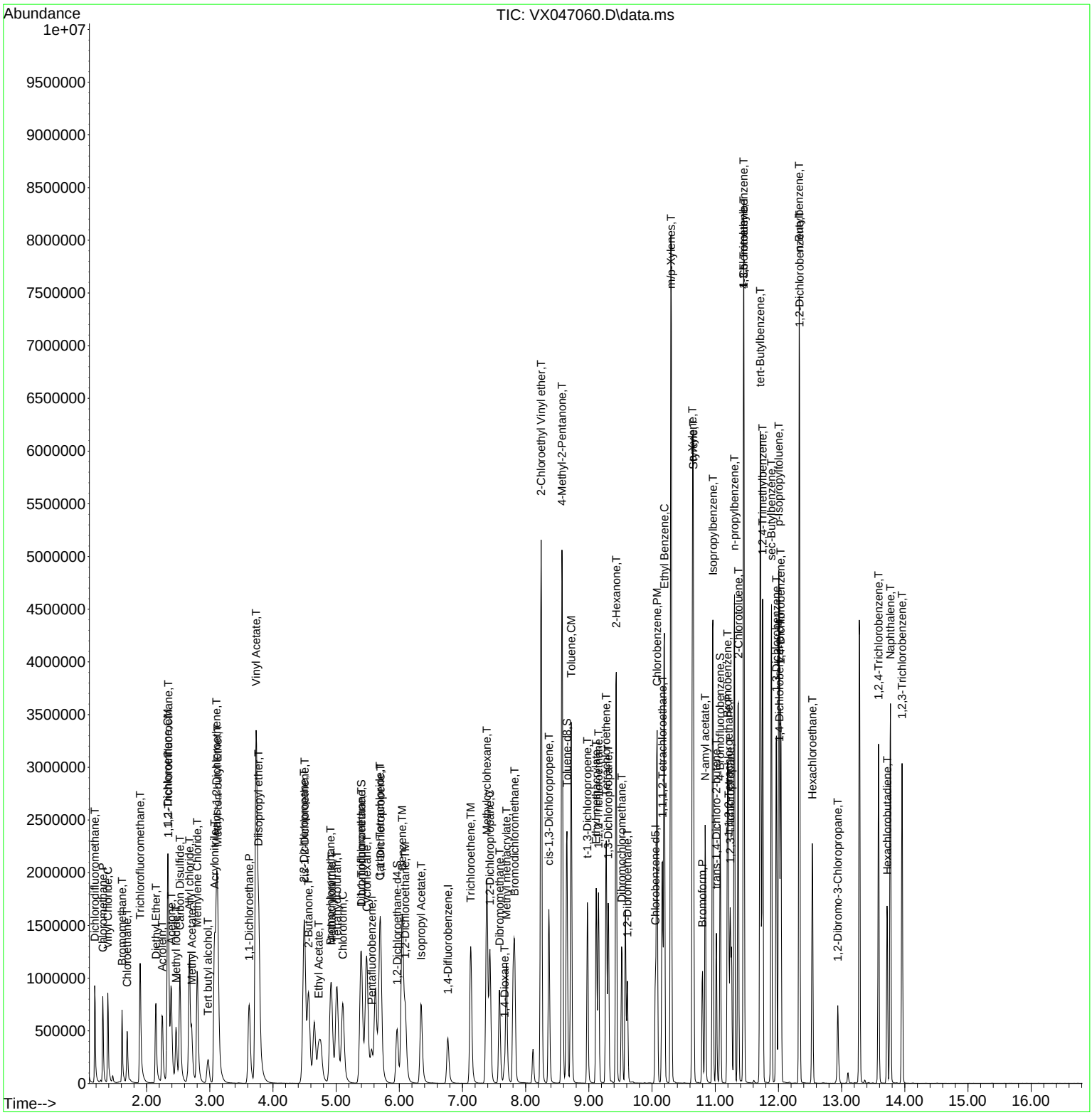
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047060.D
Acq On : 21 Jul 2025 11:32
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

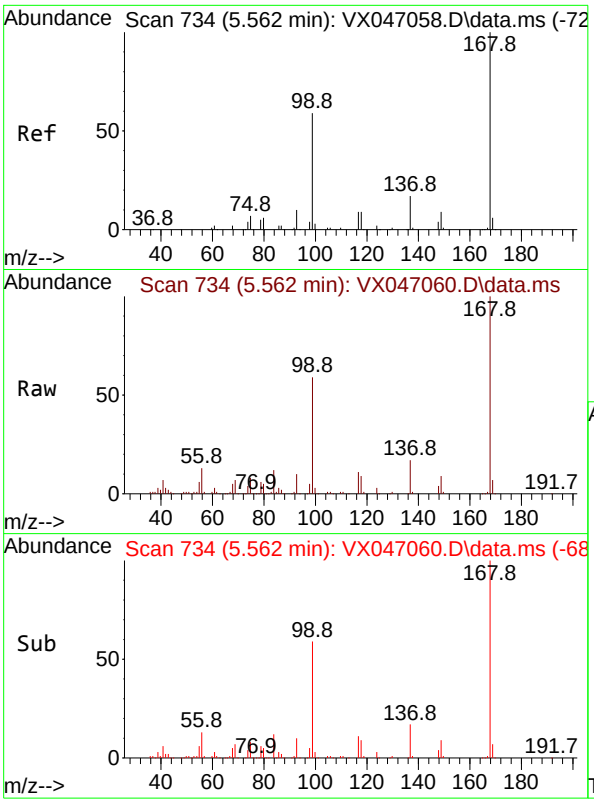
Quant Time: Jul 22 03:40:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

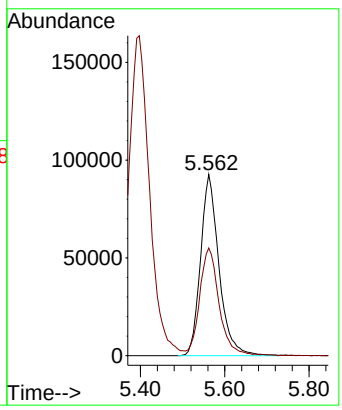




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:168 Resp: 28123

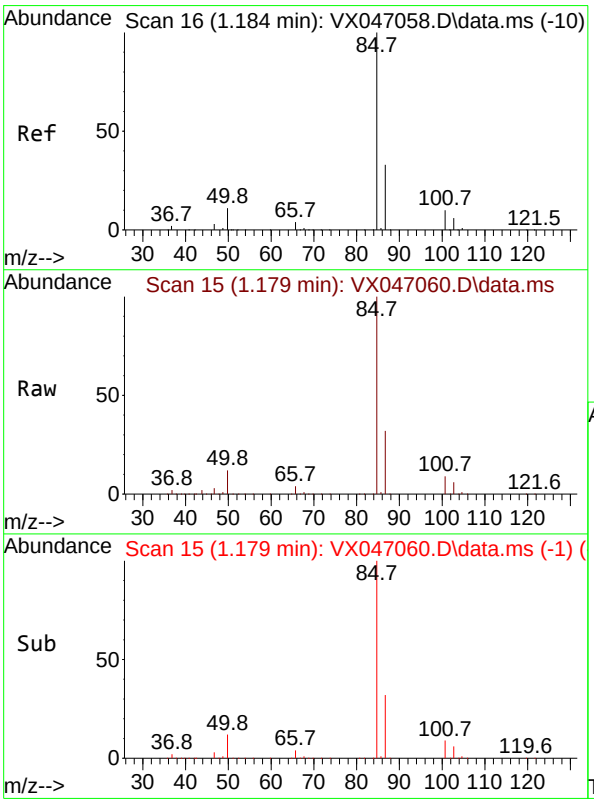
Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

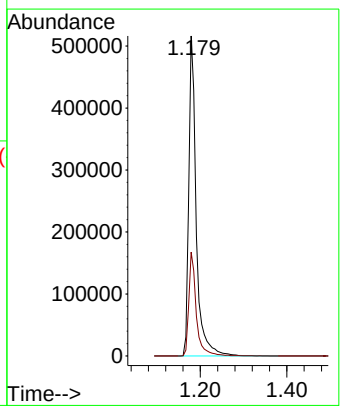
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

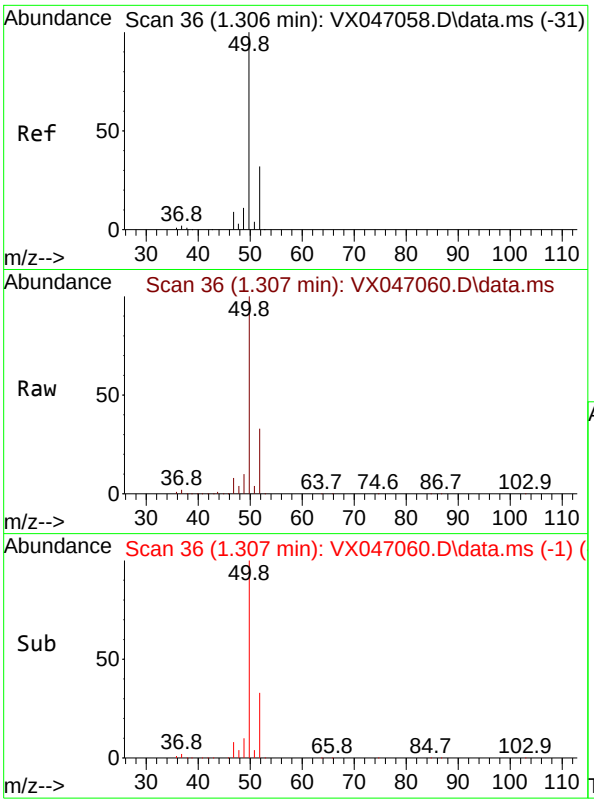


#2
Dichlorodifluoromethane
Concen: 164.628 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 85 Resp: 614977

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.6	49.8

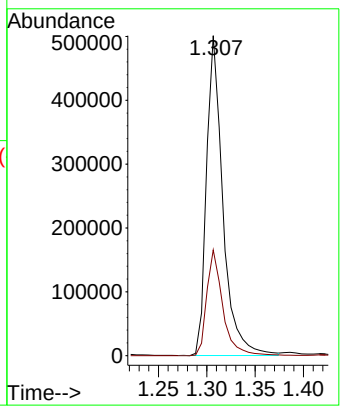




#3
Chloromethane
Concen: 160.024 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 50 Resp: 59130

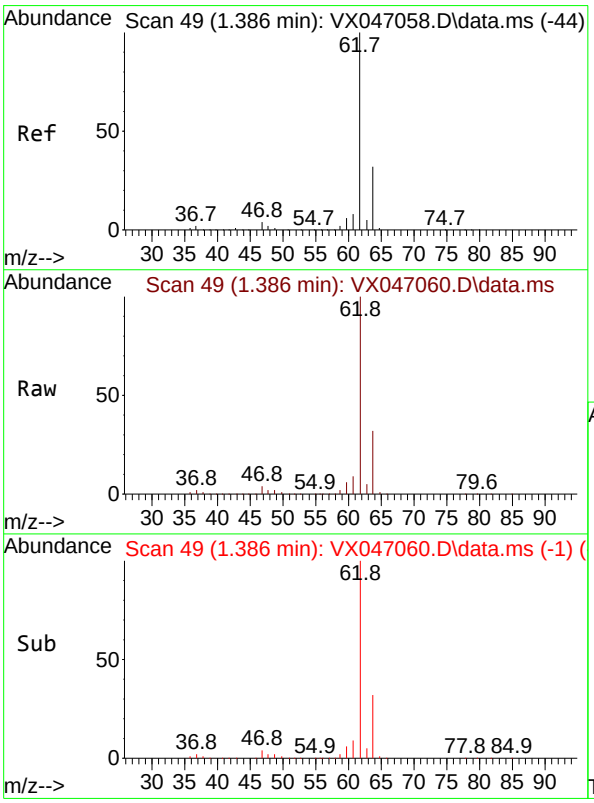
Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

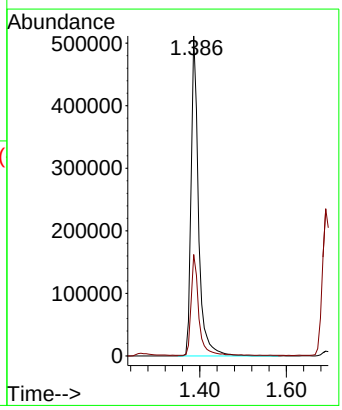
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

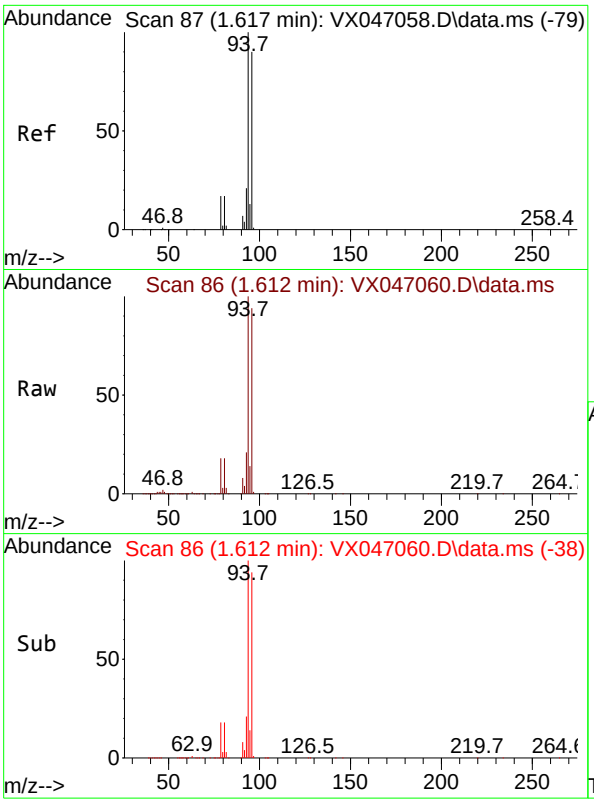


#4
Vinyl Chloride
Concen: 153.566 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 62 Resp: 609982

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8

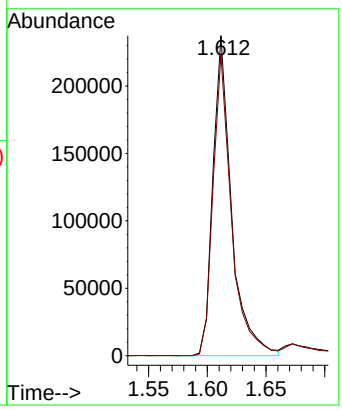




#5
Bromomethane
Concen: 120.842 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 94 Resp: 26074

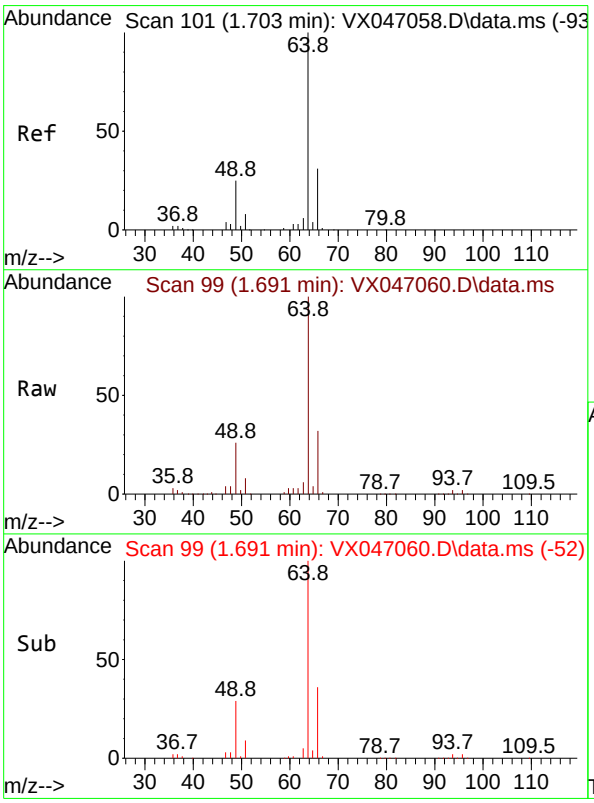
Ion	Ratio	Lower	Upper
94	100		
96	94.1	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

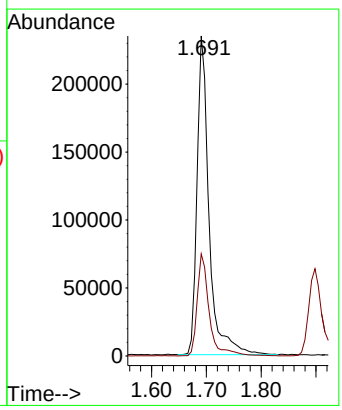
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

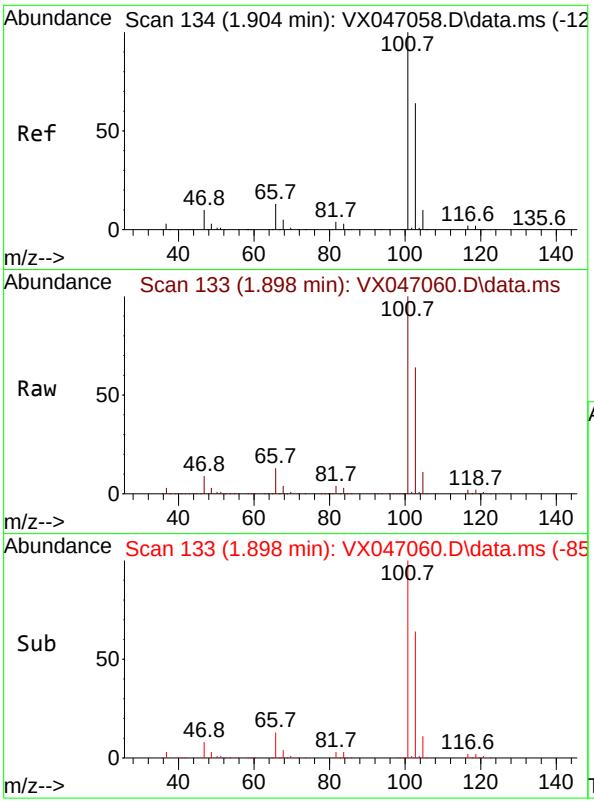


#6
Chloroethane
Concen: 137.087 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.012 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 64 Resp: 357637

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.0	37.6

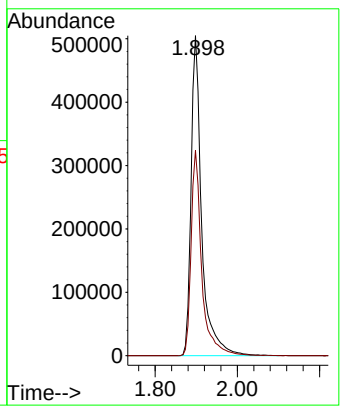




#7
Trichlorofluoromethane
Concen: 152.614 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:101 Resp: 90392

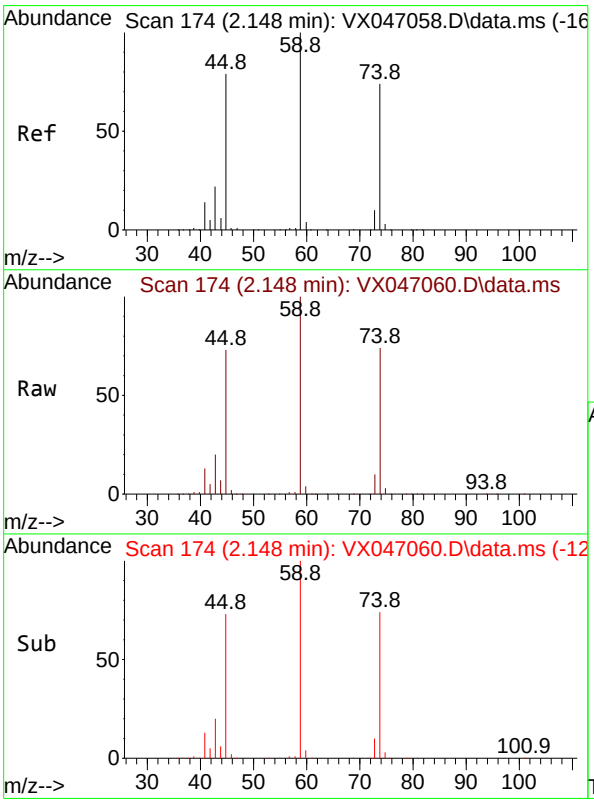
Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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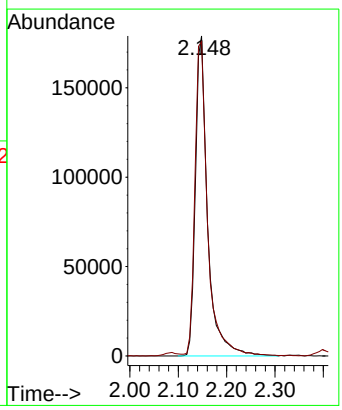
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

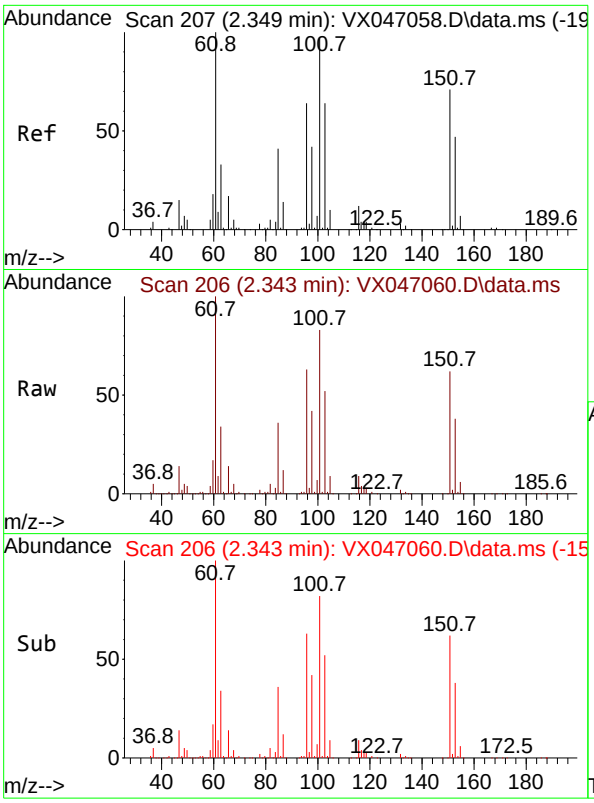


#8
Diethyl Ether
Concen: 149.683 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 74 Resp: 312592

Ion	Ratio	Lower	Upper
74	100		
45	101.9	53.0	159.0

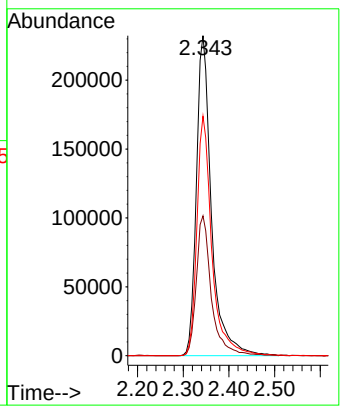




#9
1,1,2-Trichlorotrifluoroethane
Concen: 149.251 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:101 Resp: 53259

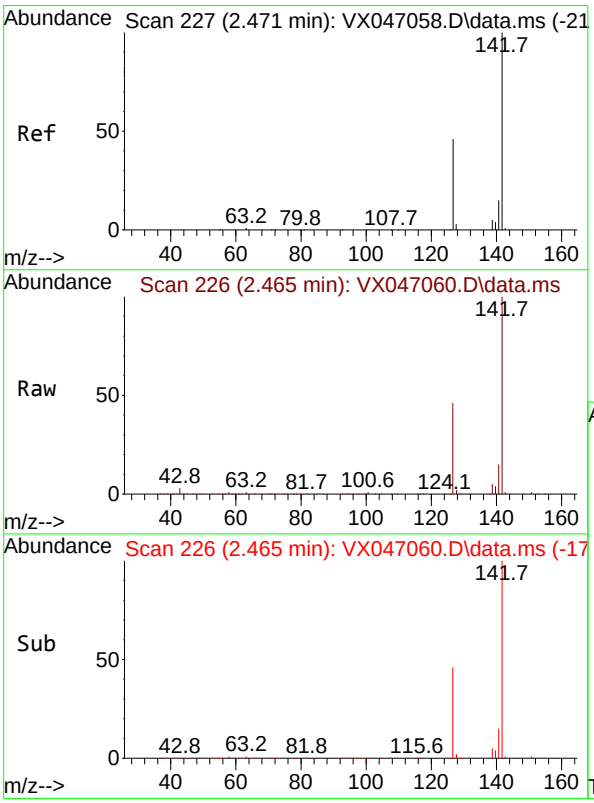
Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.4	53.0
151	74.8	59.2	88.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

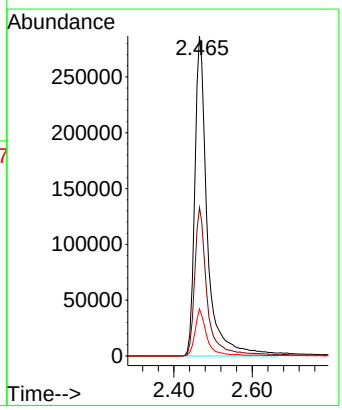
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

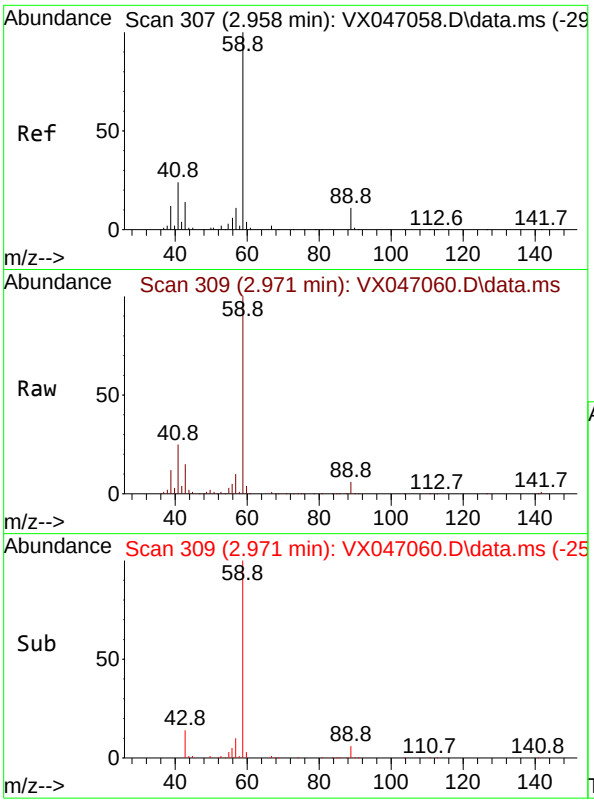


#10
Methyl Iodide
Concen: 176.203 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:142 Resp: 640817

Ion	Ratio	Lower	Upper
142	100		
127	46.4	36.6	54.8
141	13.8	10.9	16.3

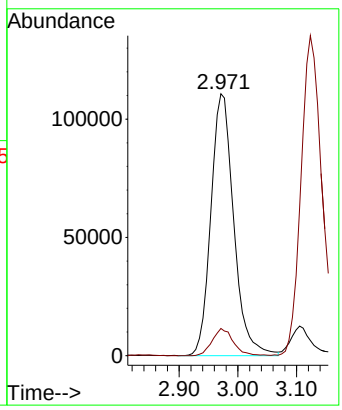




#11
Tert butyl alcohol
Concen: 752.233 ug/l
RT: 2.971 min Scan# 3
Delta R.T. 0.013 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 59 Resp: 29960

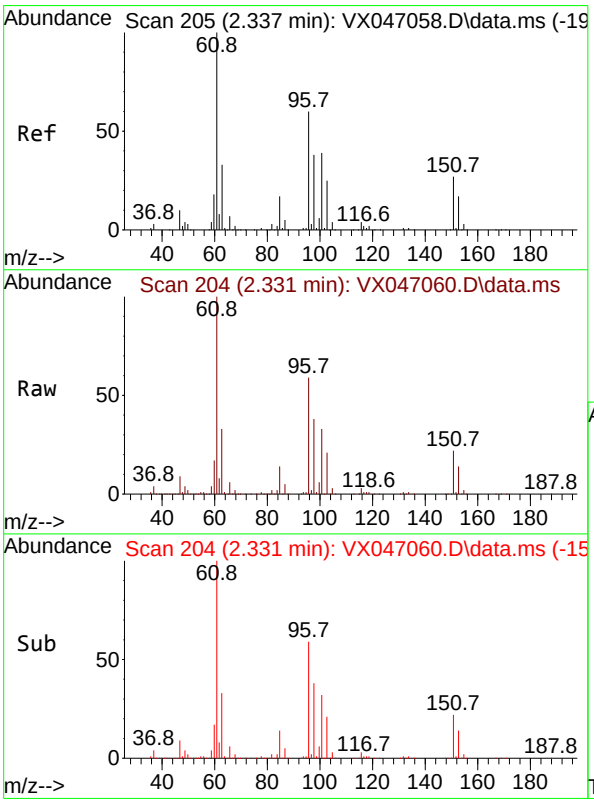
Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

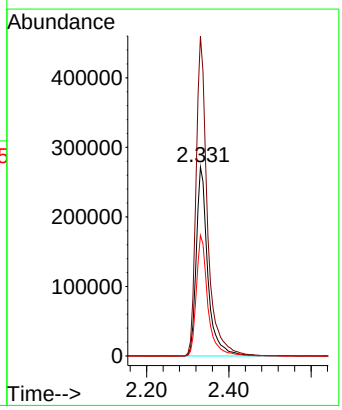
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

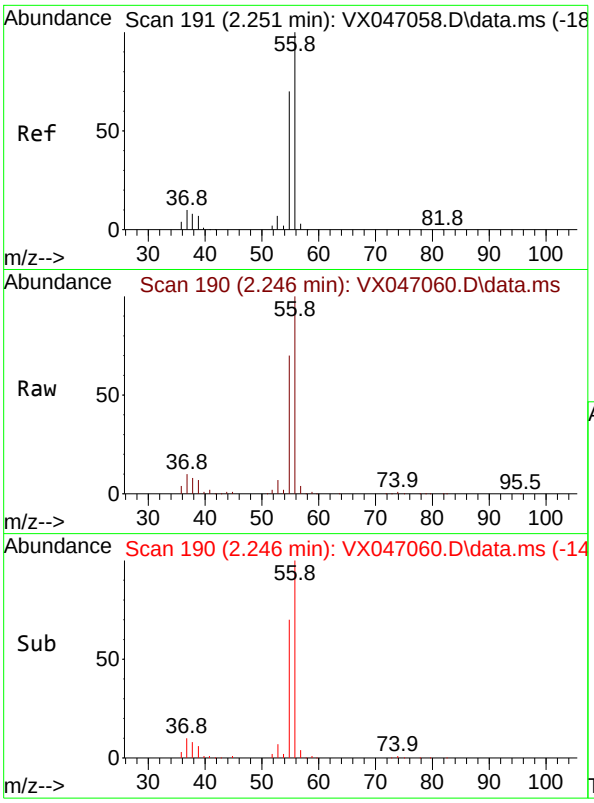


#12
1,1-Dichloroethene
Concen: 149.314 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 96 Resp: 527730

Ion	Ratio	Lower	Upper
96	100		
61	169.3	132.6	198.8
98	63.9	50.2	75.4

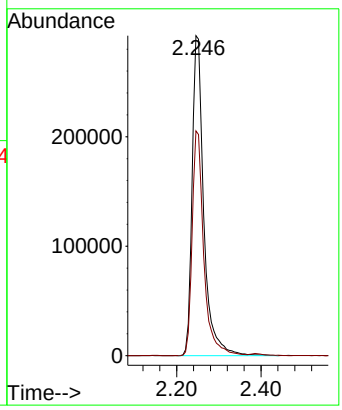




#13
Acrolein
Concen: 746.645 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 56 Resp: 56321

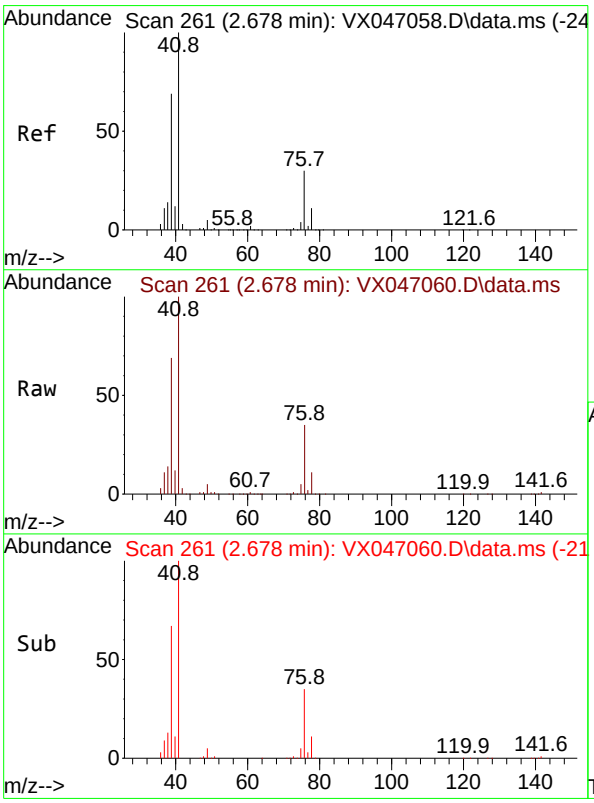
Ion	Ratio	Lower	Upper
56	100		
55	70.1	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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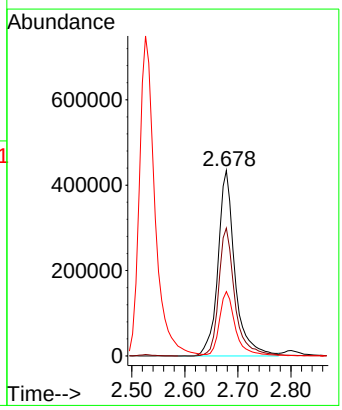
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

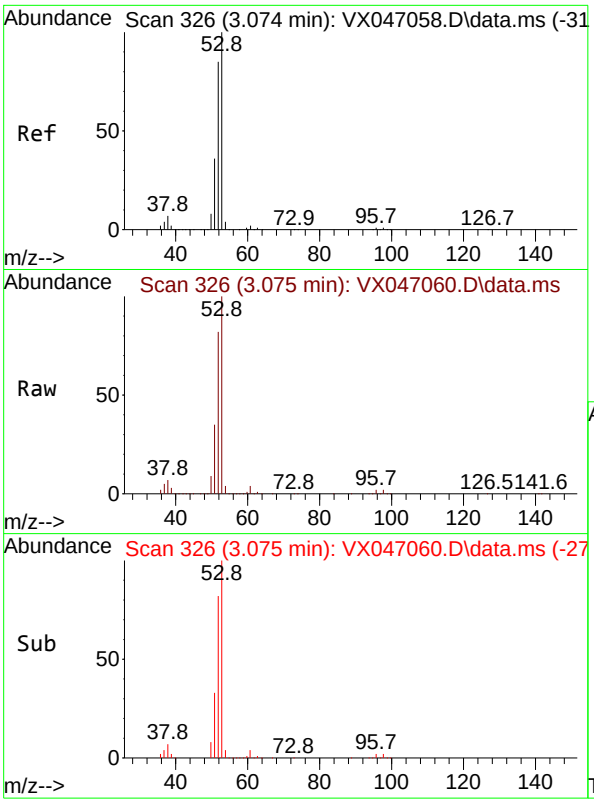


#14
Allyl chloride
Concen: 150.960 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 41 Resp: 964459

Ion	Ratio	Lower	Upper
41	100		
39	66.1	52.6	78.8
76	32.7	25.7	38.5

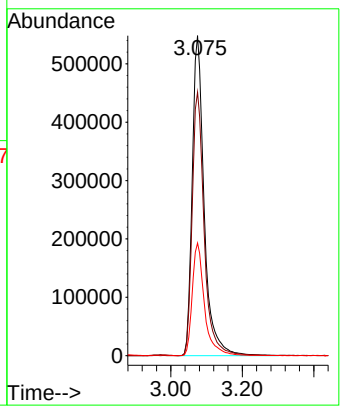




#15
Acrylonitrile
Concen: 762.599 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 53 Resp: 127417

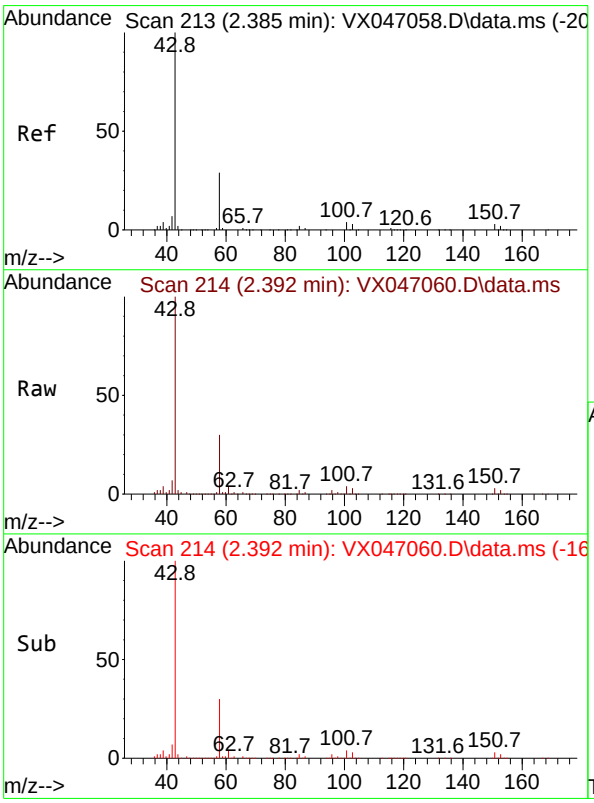
Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.7	98.5
51	36.0	28.8	43.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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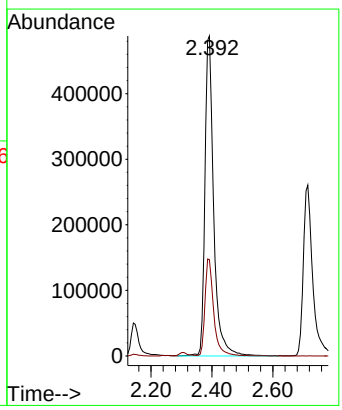
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

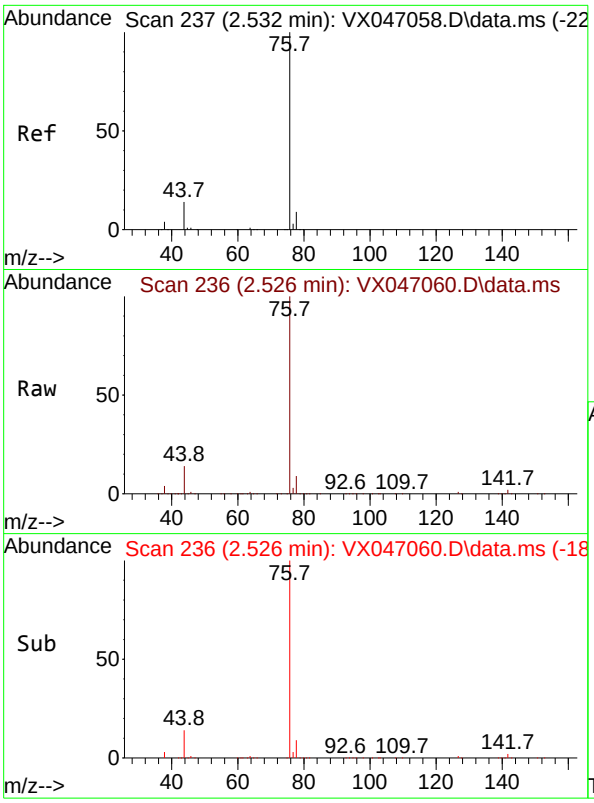


#16
Acetone
Concen: 695.175 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 975640

Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.0	36.0

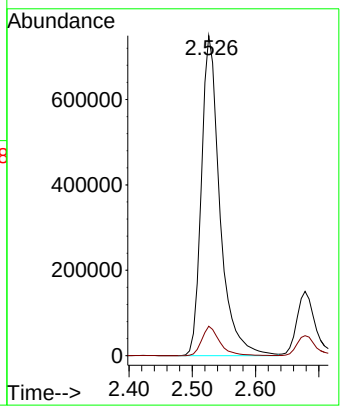




#17
Carbon Disulfide
Concen: 148.974 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 76 Resp: 152322

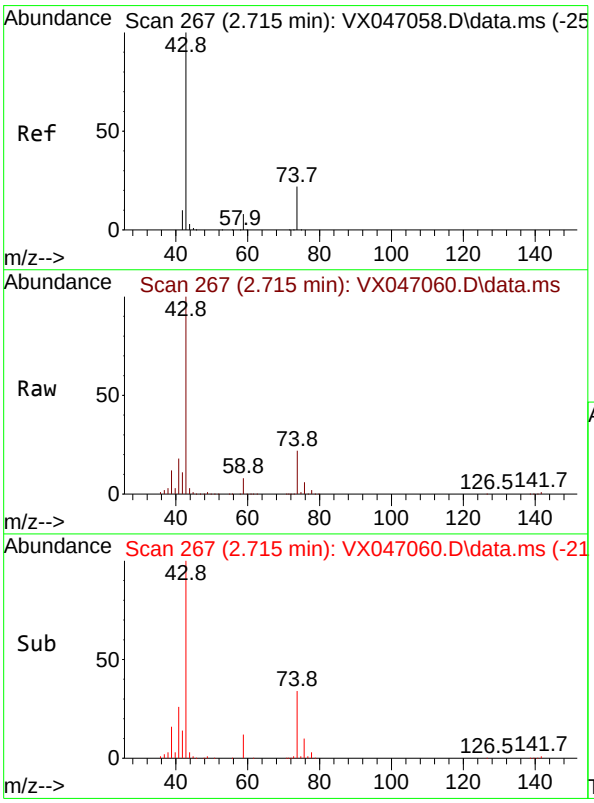
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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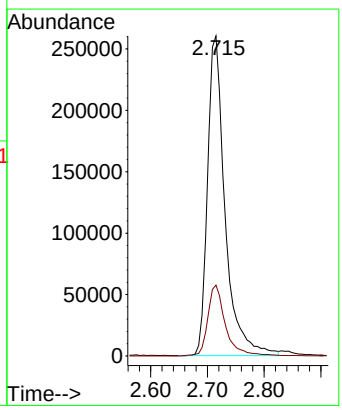
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

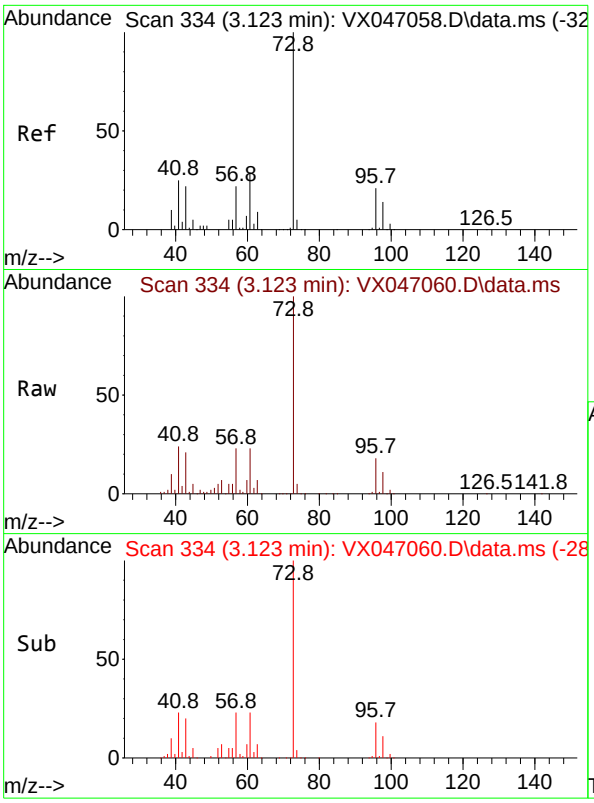


#18
Methyl Acetate
Concen: 149.722 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 558406

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.7	26.5

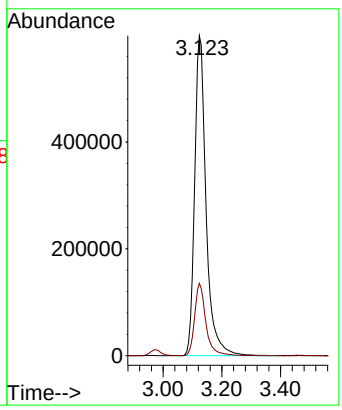




#19
Methyl tert-butyl Ether
Concen: 150.323 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 73 Resp: 161694

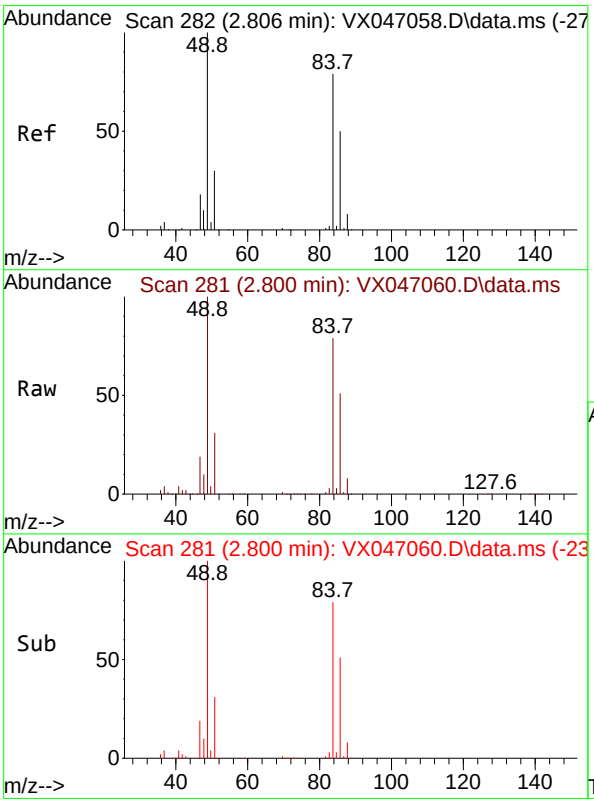
Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

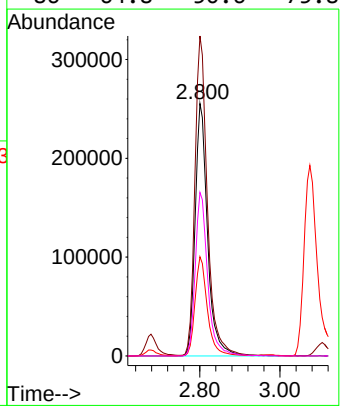
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

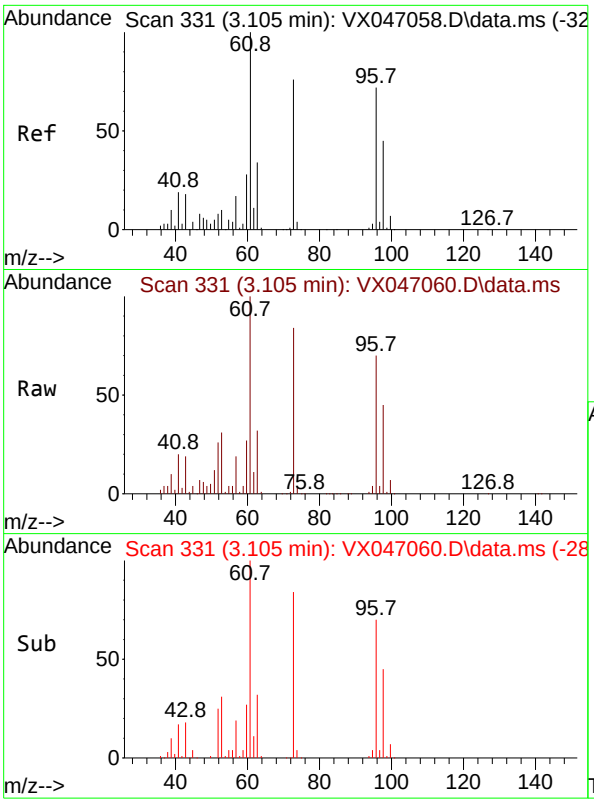


#20
Methylene Chloride
Concen: 142.156 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 84 Resp: 548865

Ion	Ratio	Lower	Upper
84	100		
49	126.6	101.6	152.4
51	39.2	30.3	45.5
86	64.8	50.6	75.8

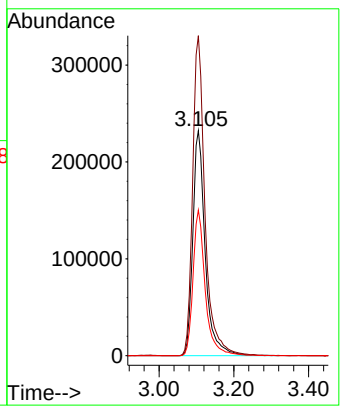




#21
trans-1,2-Dichloroethene
Concen: 147.371 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 96 Resp: 53300

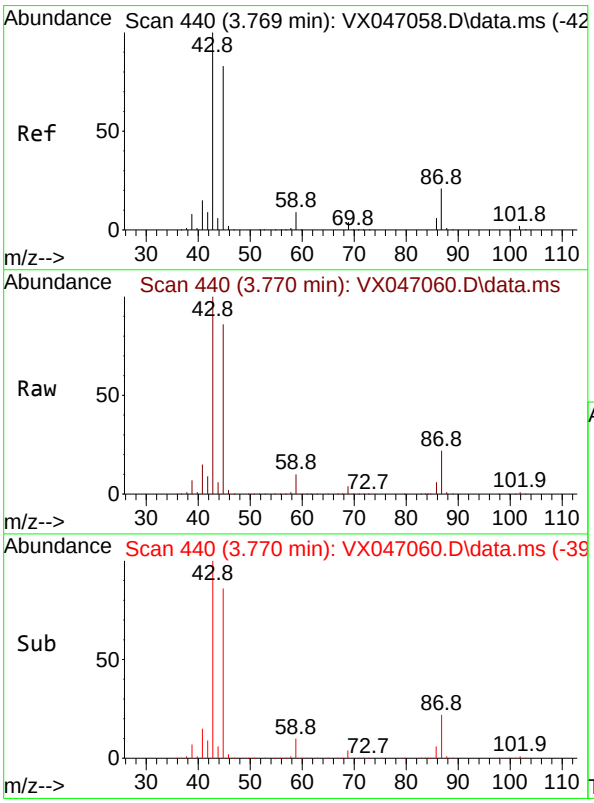
Ion	Ratio	Lower	Upper
96	100		
61	142.3	111.1	166.7
98	64.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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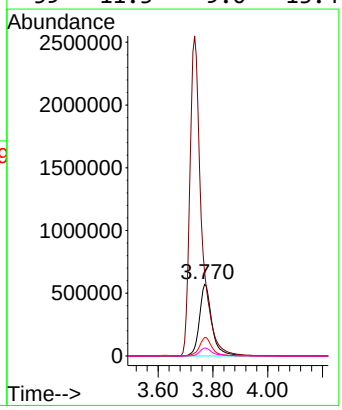
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

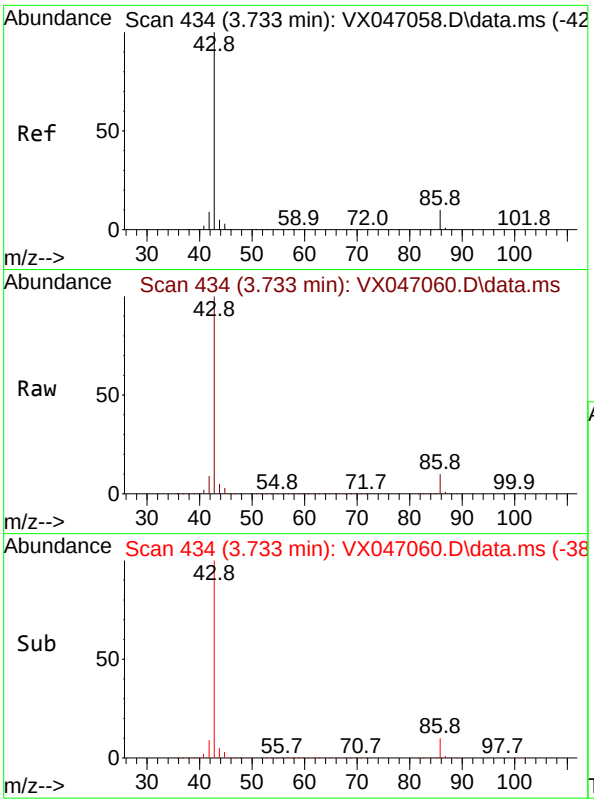


#22
Diisopropyl ether
Concen: 145.892 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 45 Resp: 1792018

Ion	Ratio	Lower	Upper
45	100		
43	116.8	96.8	145.2
87	25.8	20.5	30.7
59	11.3	9.0	13.4





#23
Vinyl Acetate
Concen: 762.847 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

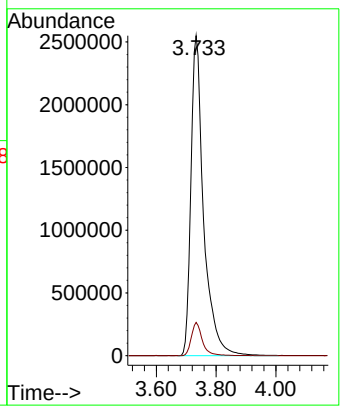
Tgt Ion: 43 Resp: 751550

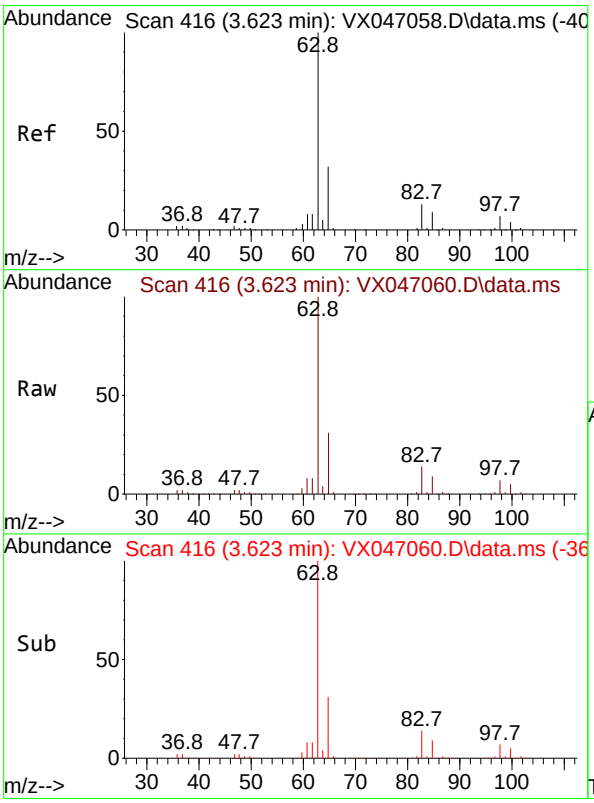
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

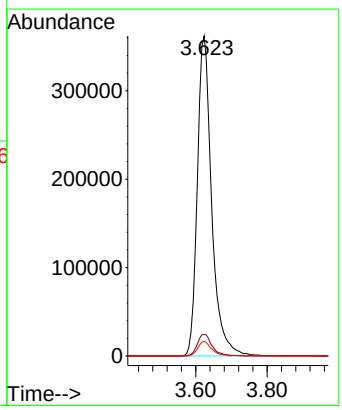


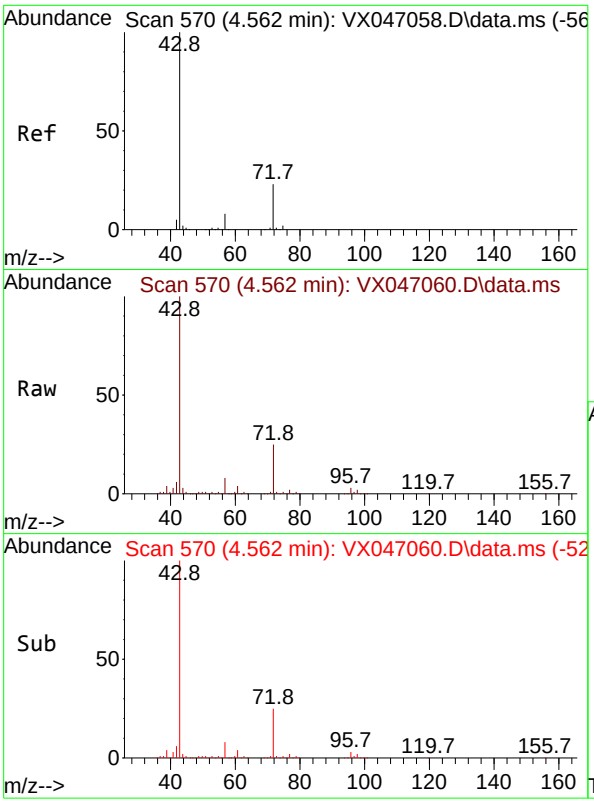


#24
1,1-Dichloroethane
Concen: 147.421 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 63 Resp: 1006940

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.6	10.8
100	4.6	2.3	6.8

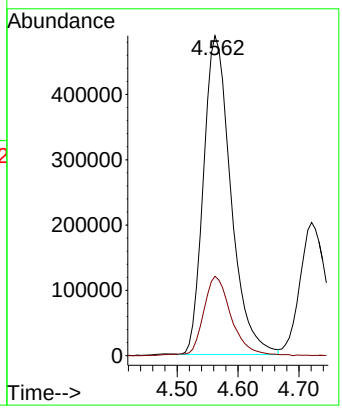




#25
2-Butanone
Concen: 746.280 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 152504

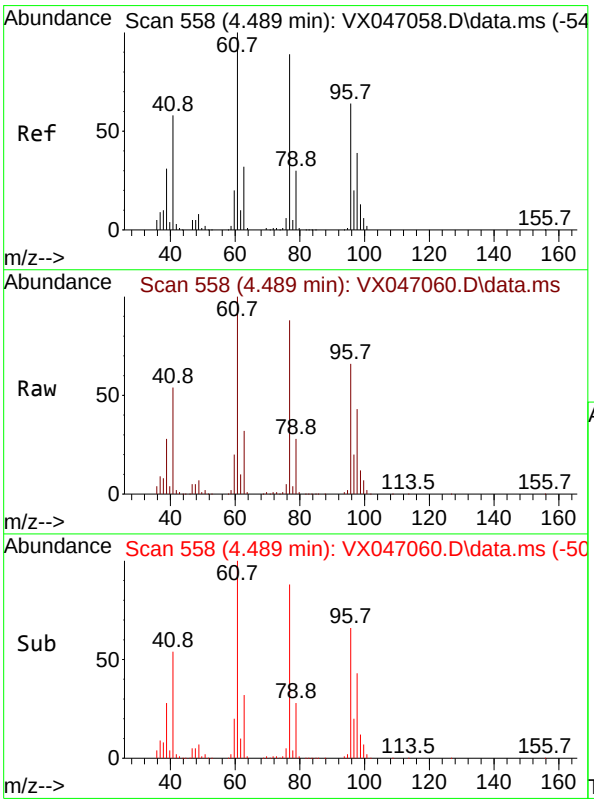
Ion	Ratio	Lower	Upper
43	100		
72	24.5	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

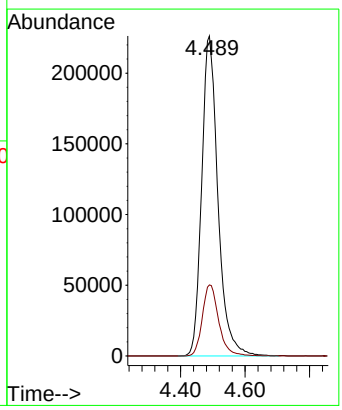
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

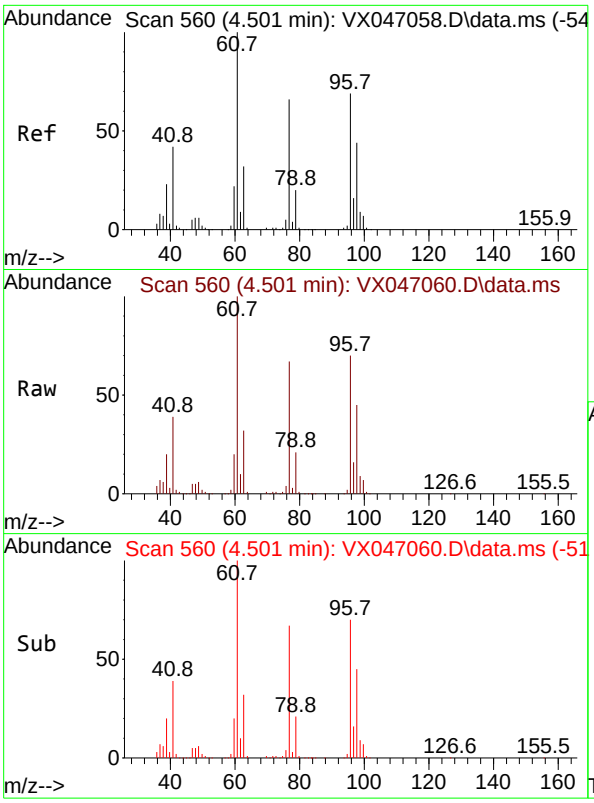


#26
2,2-Dichloropropane
Concen: 149.478 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 77 Resp: 790347

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.1

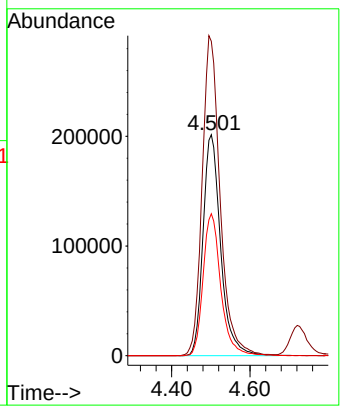




#27
cis-1,2-Dichloroethene
Concen: 146.469 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 96 Resp: 62730

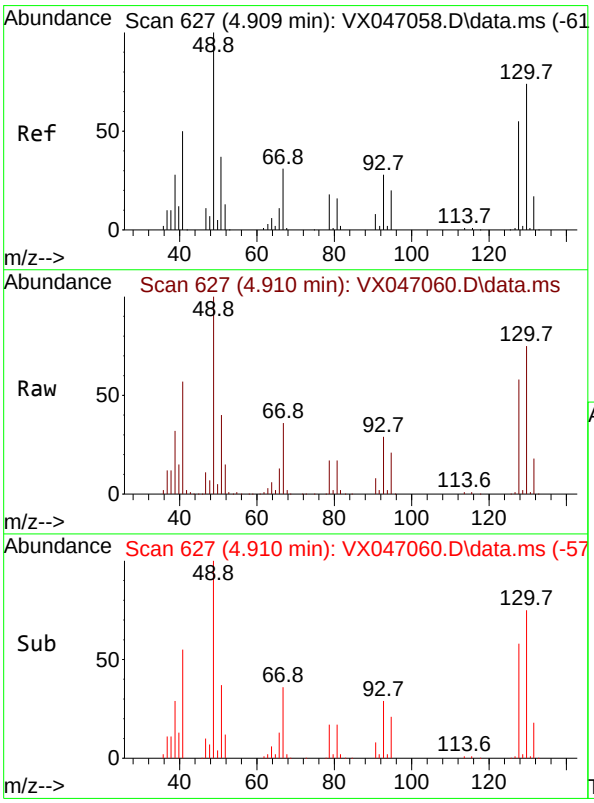
Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	298.6
98	64.7	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

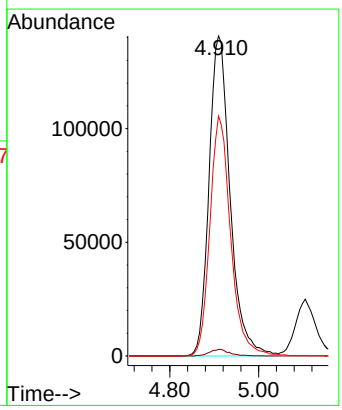
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

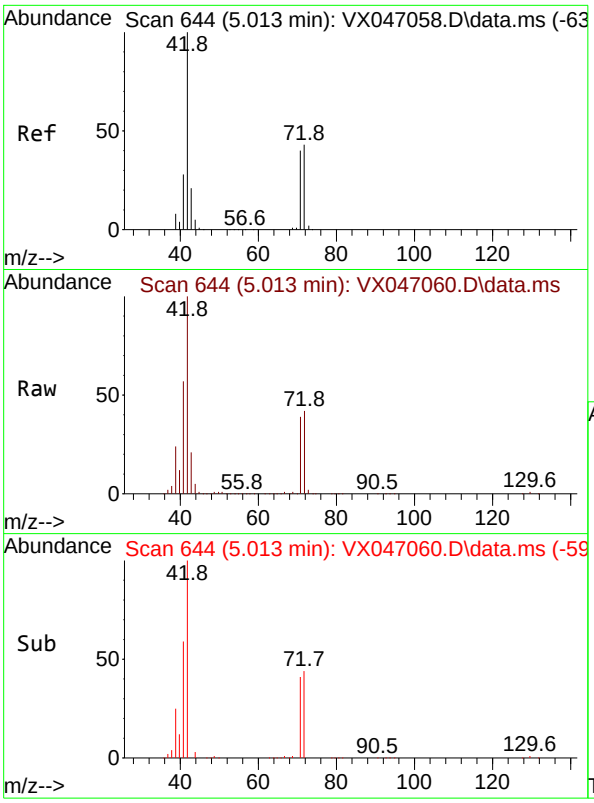


#28
Bromochloromethane
Concen: 147.764 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 49 Resp: 464333

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	73.5	59.0	88.4





#29
Tetrahydrofuran
Concen: 755.168 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

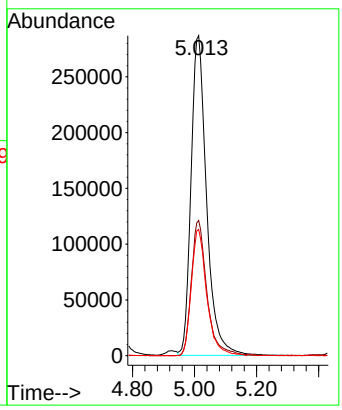
Tgt Ion: 42 Resp: 99570

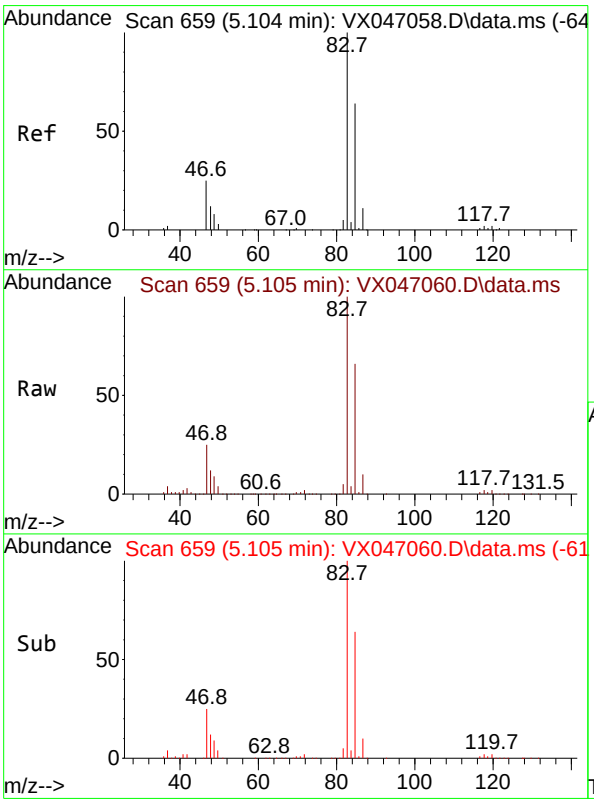
Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	39.2	31.0	46.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

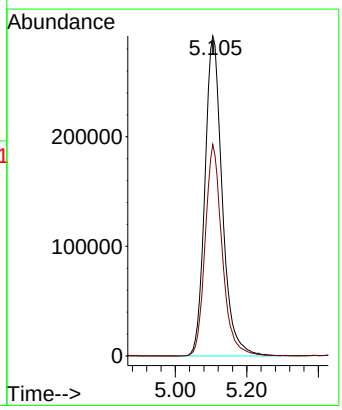


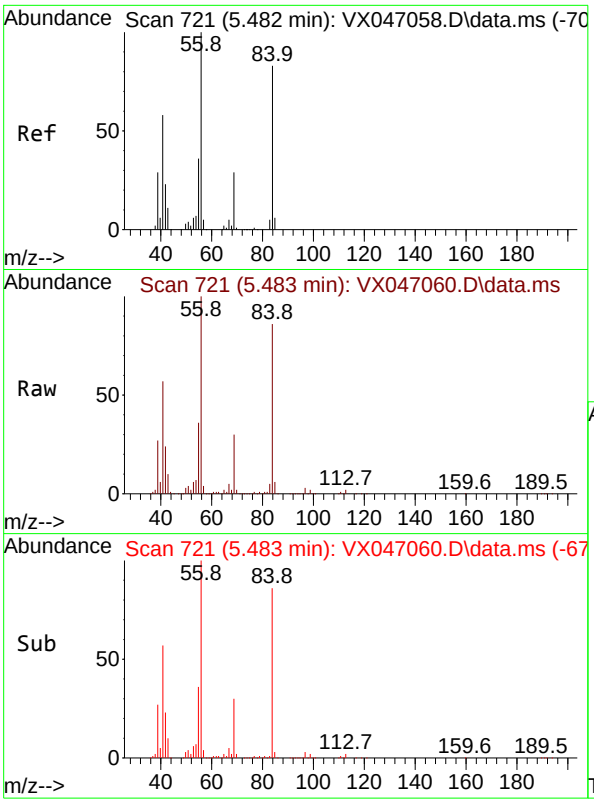


#30
Chloroform
Concen: 141.308 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 83 Resp: 982491

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.9	76.3

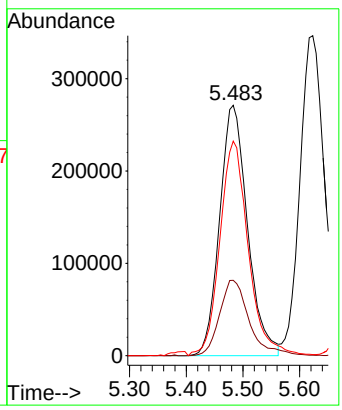




#31
Cyclohexane
Concen: 141.781 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 56 Resp: 92856

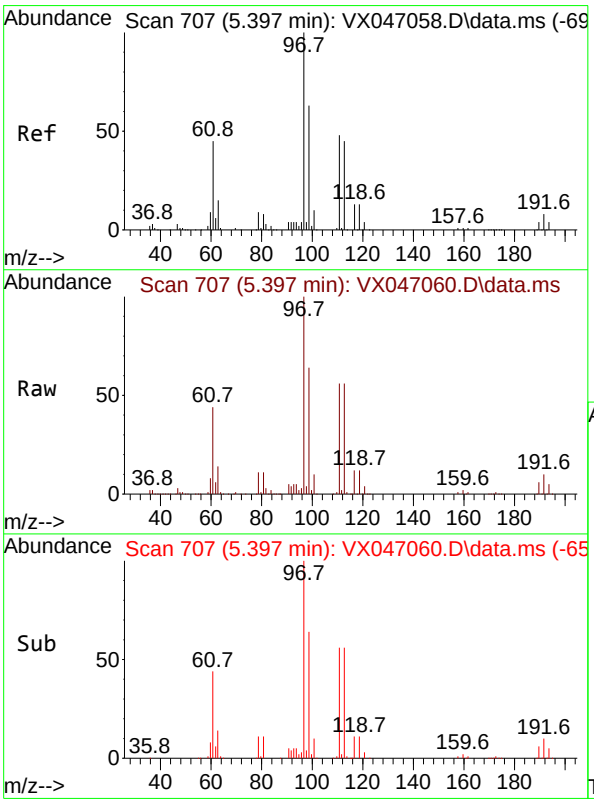
Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.3	34.9
84	84.1	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

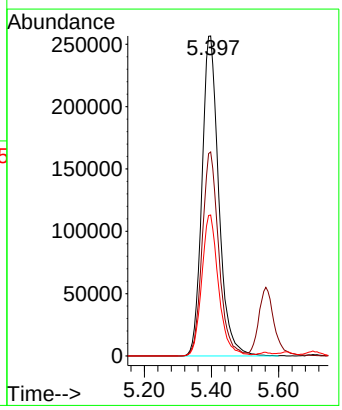
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

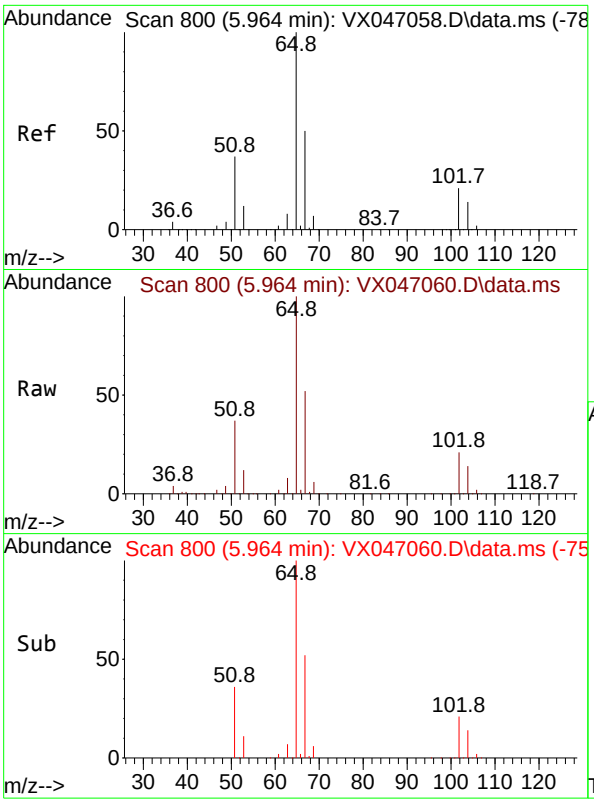


#32
1,1,1-Trichloroethane
Concen: 147.721 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 97 Resp: 892102

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	44.2	37.1	55.7

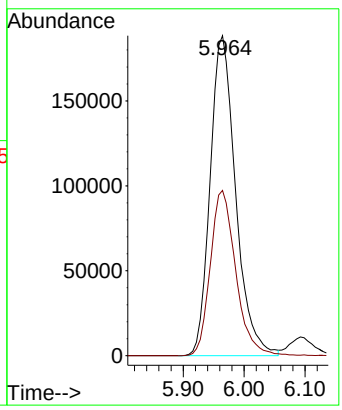




#33
1,2-Dichloroethane-d4
Concen: 156.279 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 65 Resp: 54749

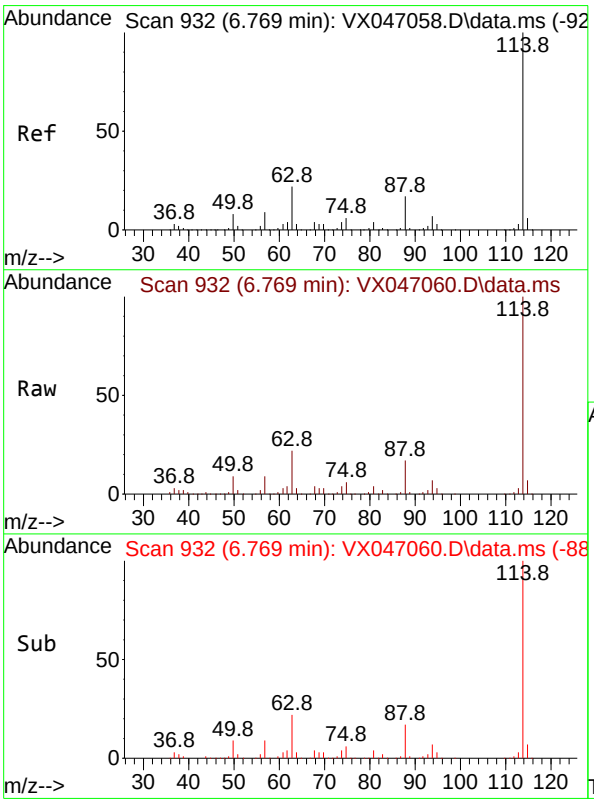
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

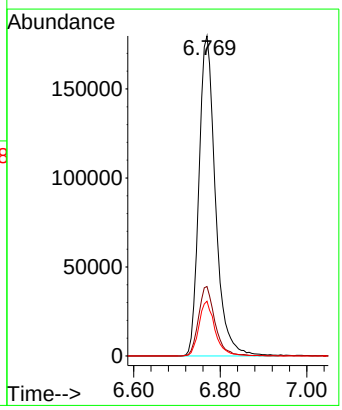
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

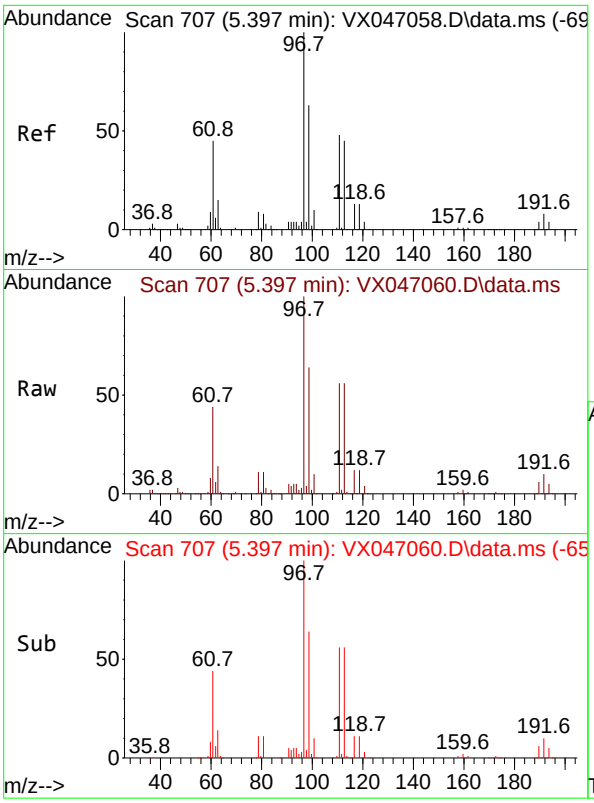


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:114 Resp: 475828

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.2
88	17.1	0.0	33.8

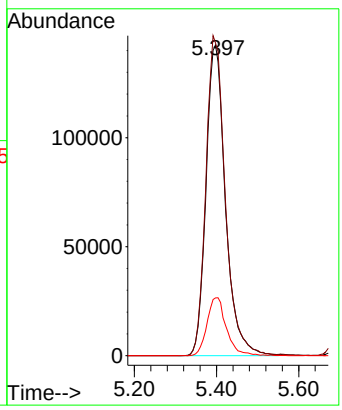




#35
Dibromofluoromethane
Concen: 159.361 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:113 Resp: 46818

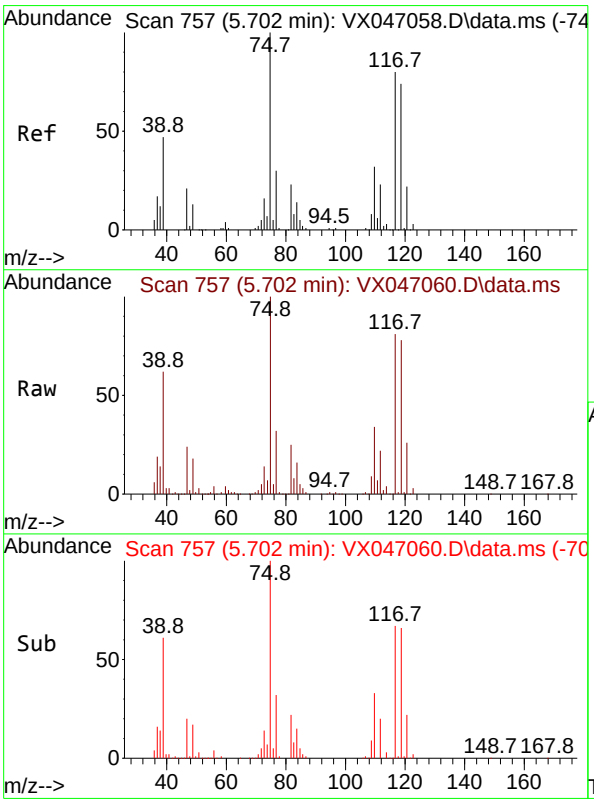
Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	124.0
192	18.6	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

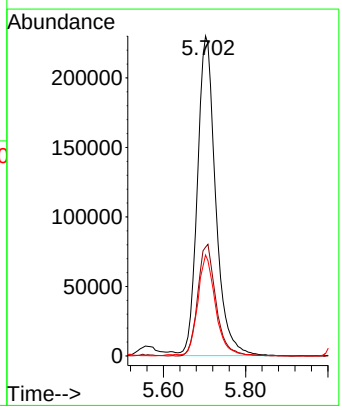
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

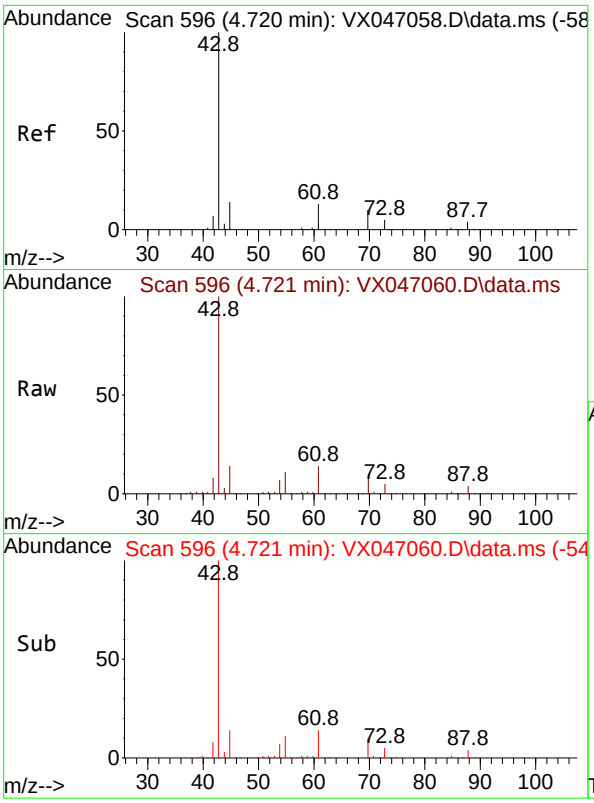


#36
1,1-Dichloropropene
Concen: 141.221 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 75 Resp: 707227

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.2	51.5
77	30.7	25.1	37.7

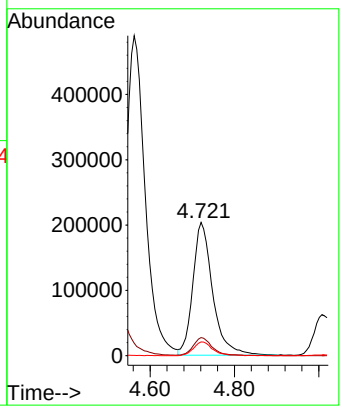




#37
Ethyl Acetate
Concen: 150.587 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 66460

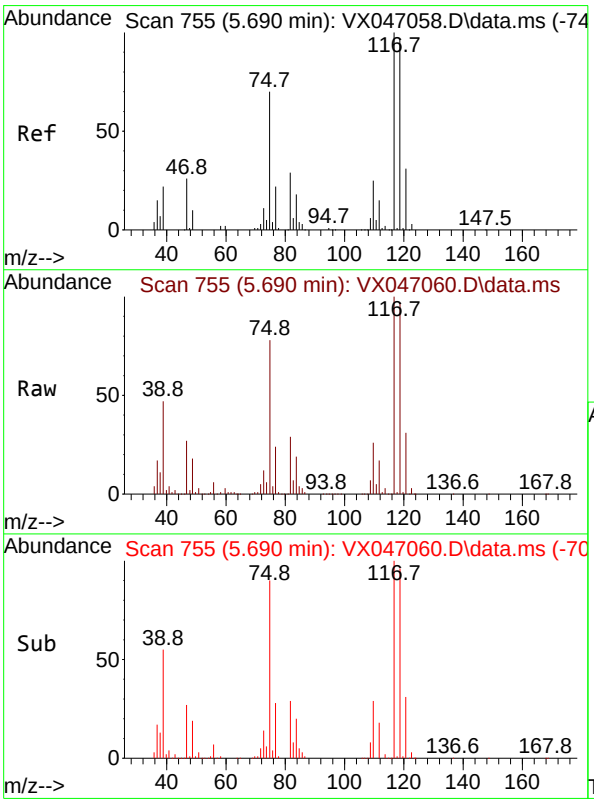
Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.2
70	10.1	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

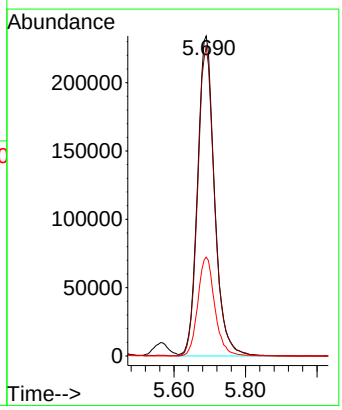
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

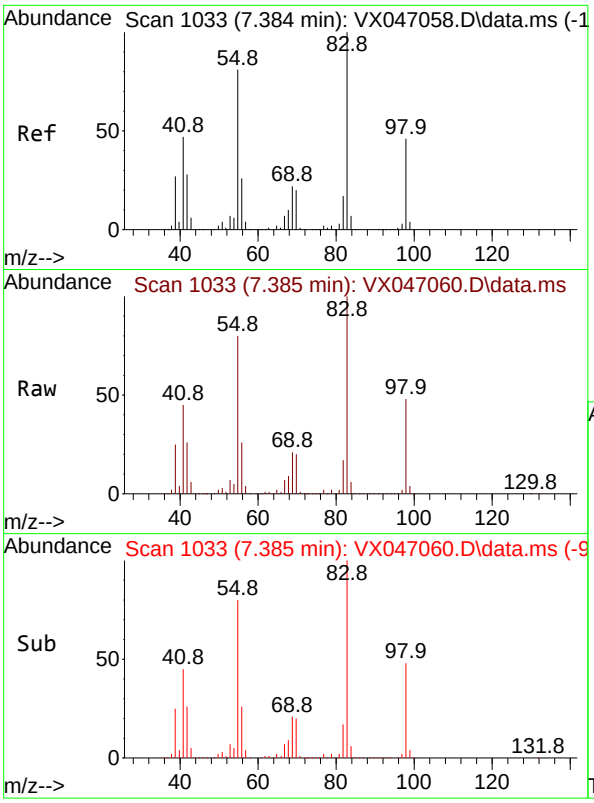


#38
Carbon Tetrachloride
Concen: 144.260 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:117 Resp: 771081

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	115.0
121	30.9	24.4	36.6

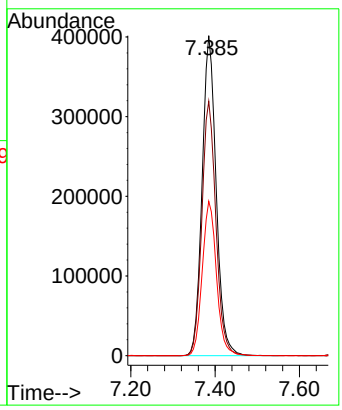




#39
Methylcyclohexane
Concen: 149.137 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 83 Resp: 93250

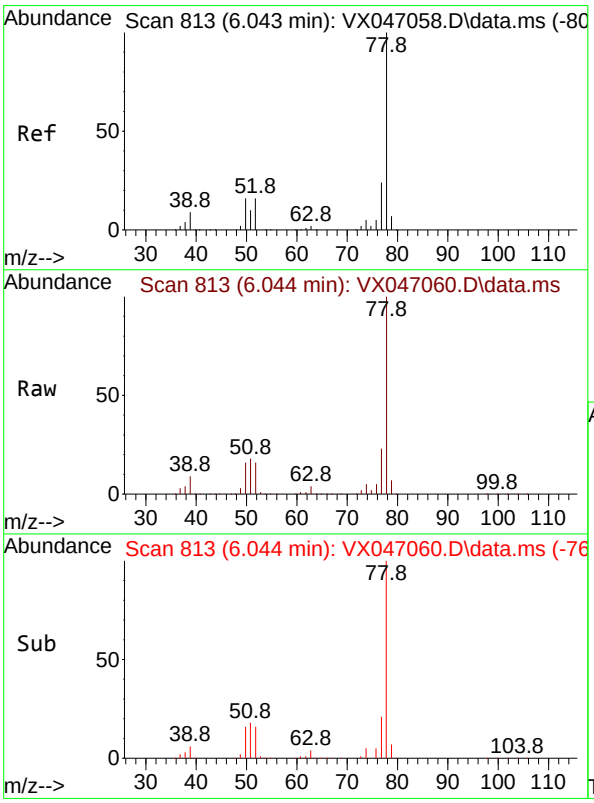
Ion	Ratio	Lower	Upper
83	100		
55	79.5	64.5	96.7
98	48.2	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

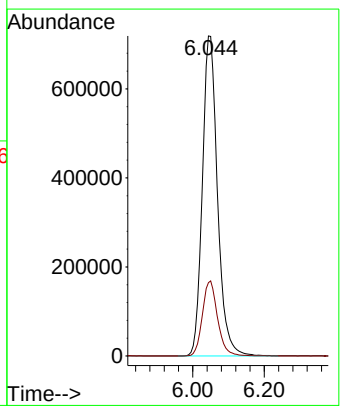
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

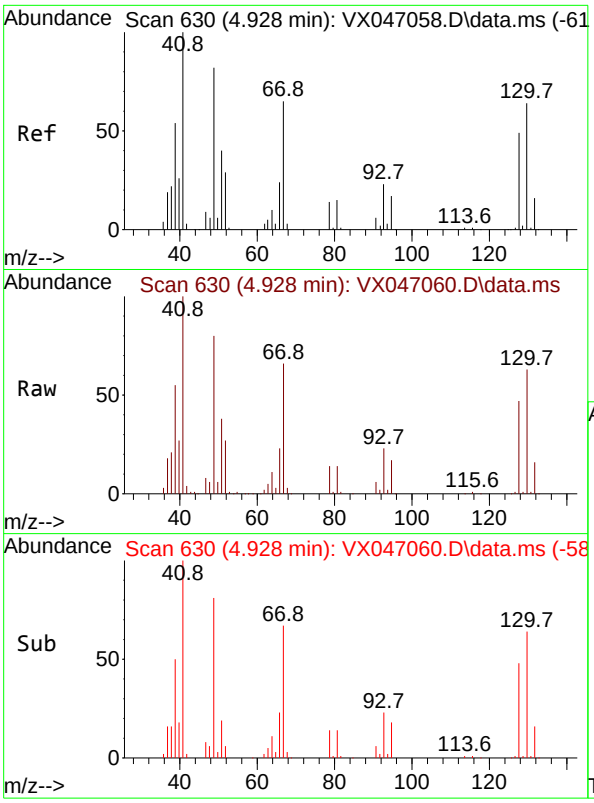


#40
Benzene
Concen: 145.777 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 78 Resp: 2112753

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4

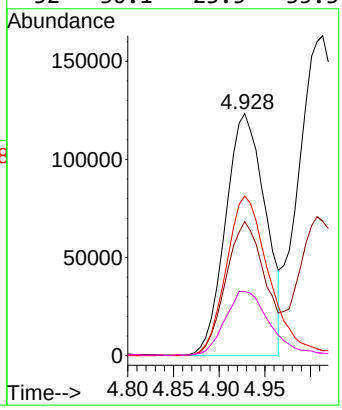




#41
Methacrylonitrile
Concen: 154.886 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 41 Resp: 37371

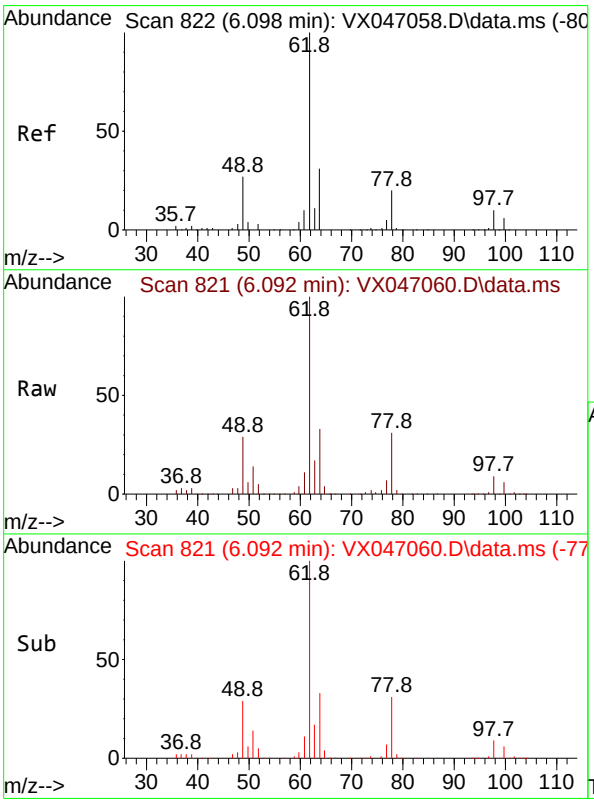
Ion	Ratio	Lower	Upper
41	100		
39	54.1	44.2	66.2
67	72.4	56.4	84.6
52	30.1	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

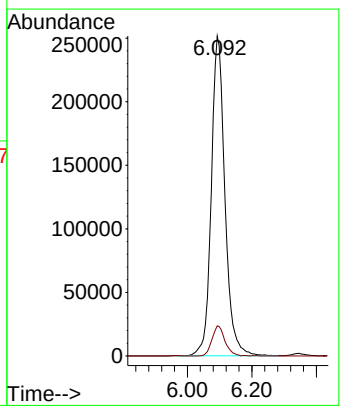
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

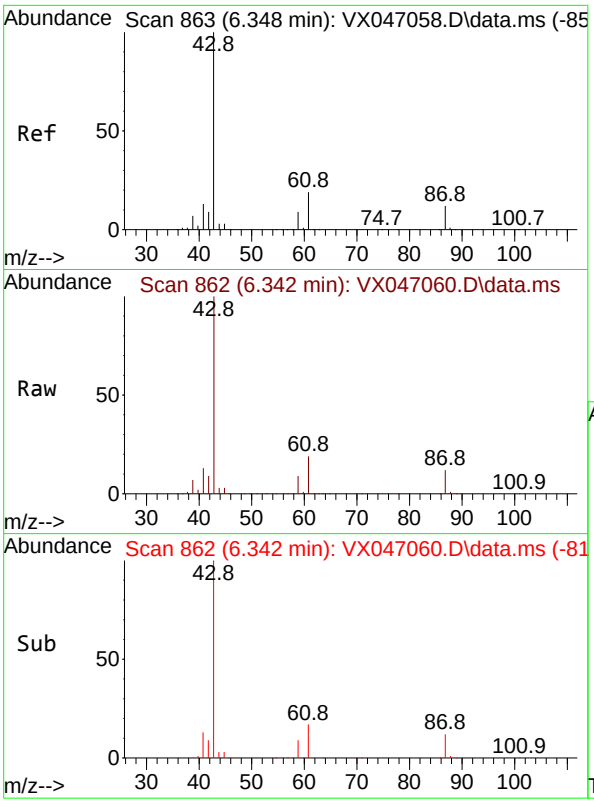


#42
1,2-Dichloroethane
Concen: 144.555 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 62 Resp: 737991

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.8

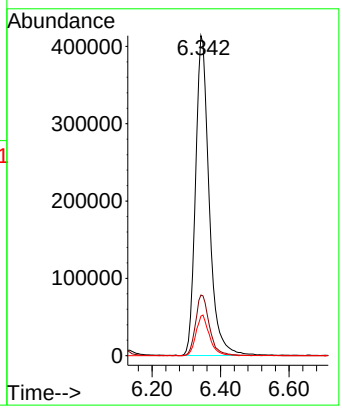




#43
Isopropyl Acetate
Concen: 159.182 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 114515

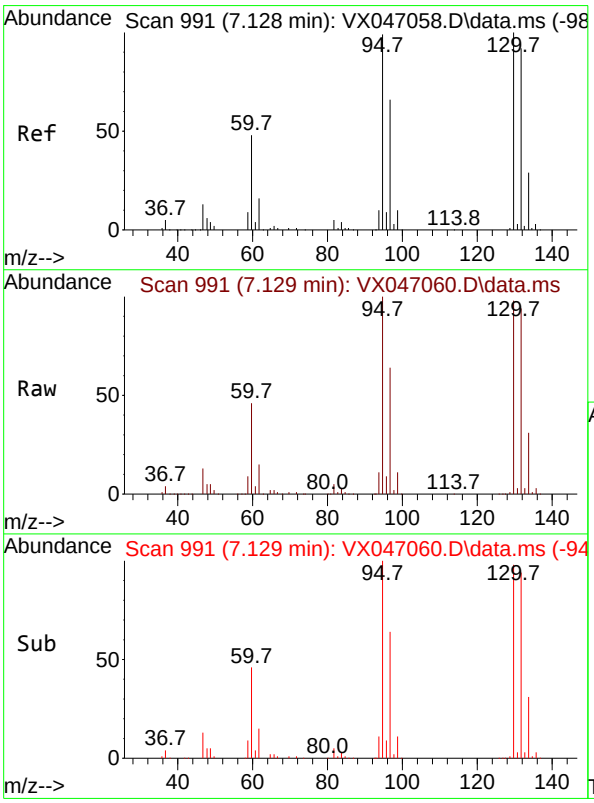
Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.1	22.7
87	12.5	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

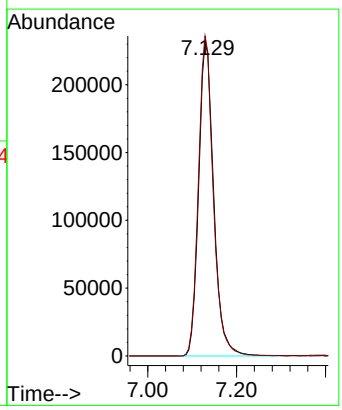
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

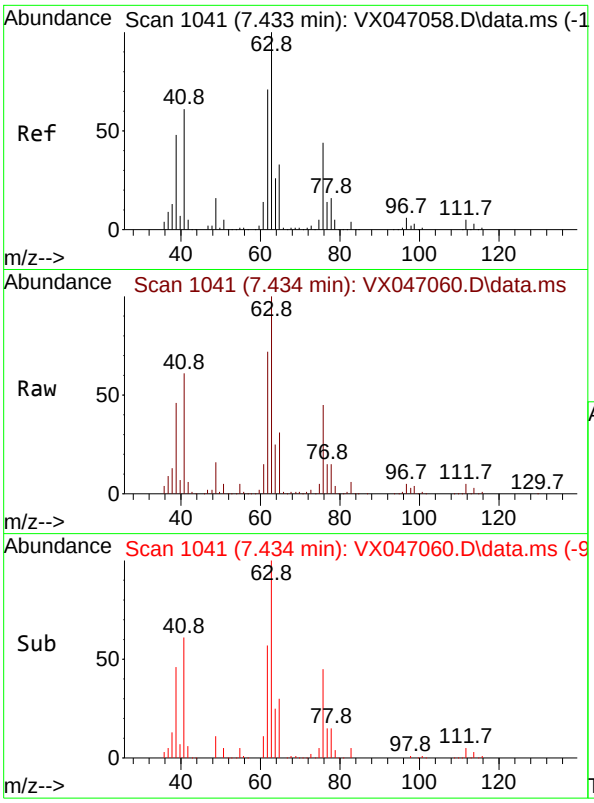


#44
Trichloroethene
Concen: 147.215 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:130 Resp: 547123

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	198.6





#45
1,2-Dichloropropane
Concen: 145.791 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

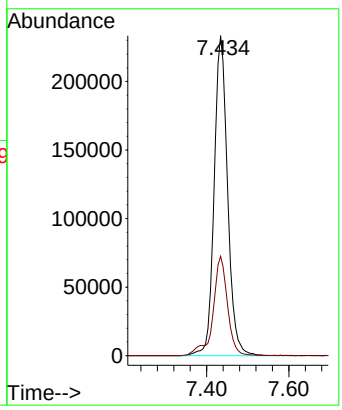
Tgt Ion: 63 Resp: 52920

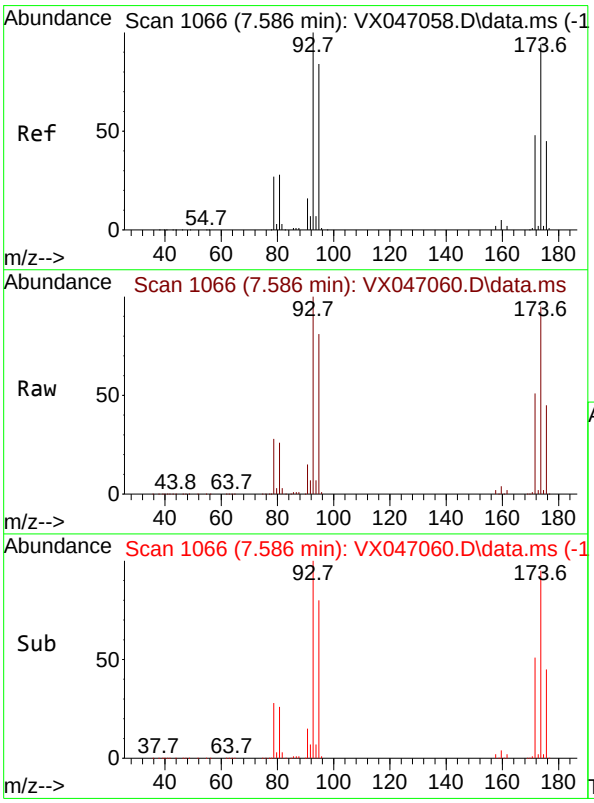
Ion	Ratio	Lower	Upper
63	100		
65	31.1	26.3	39.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

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

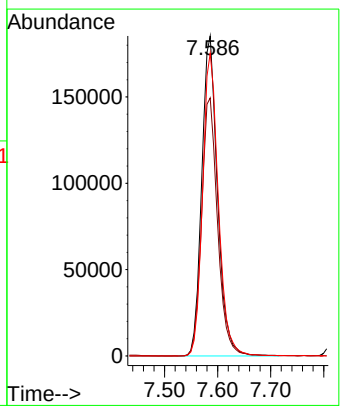


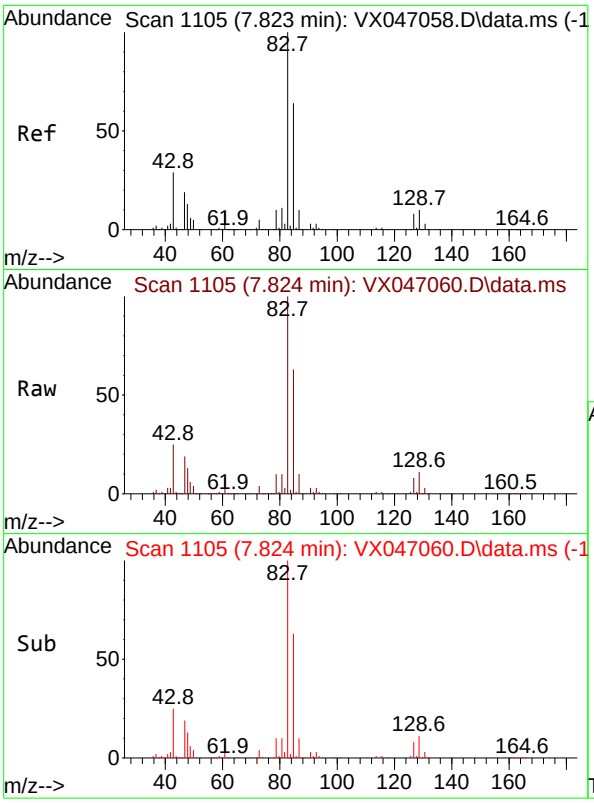


#46
Dibromomethane
Concen: 149.938 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 93 Resp: 381666

Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.9	98.9
174	94.8	74.6	112.0

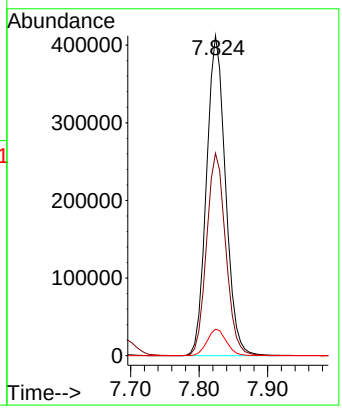




#47
Bromodichloromethane
Concen: 146.693 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 83 Resp: 79479

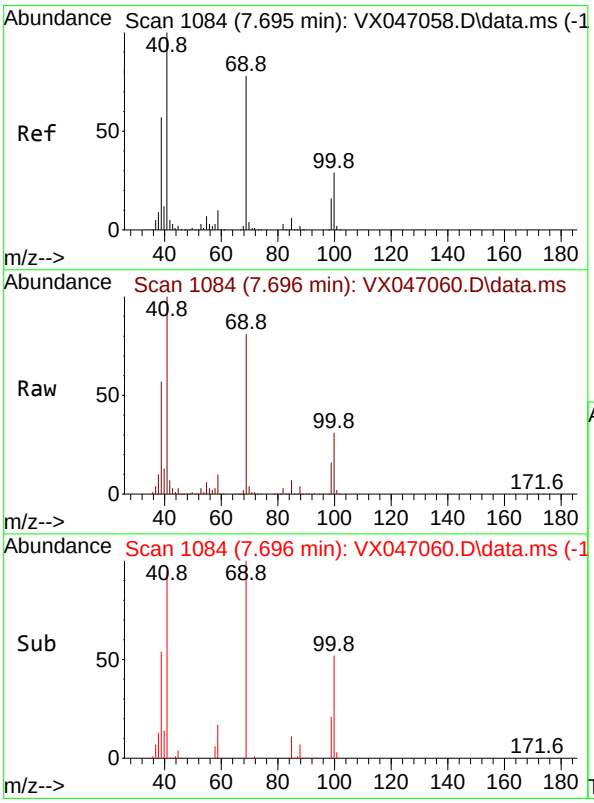
Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.9	74.9
127	8.2	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

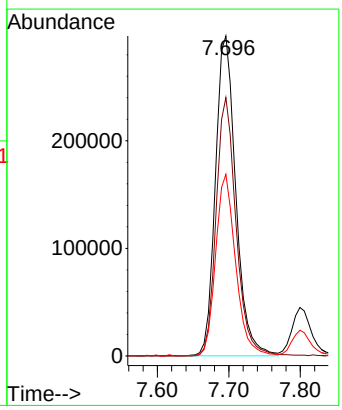
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

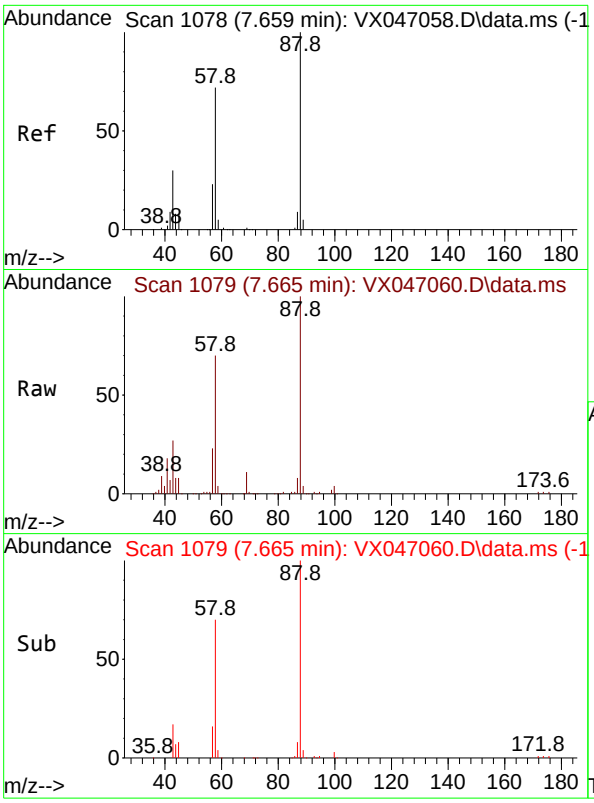


#48
Methyl methacrylate
Concen: 150.339 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 41 Resp: 589190

Ion	Ratio	Lower	Upper
41	100		
69	79.1	62.3	93.5
39	55.7	44.8	67.2





#49
1,4-Dioxane
Concen: 3173.881 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

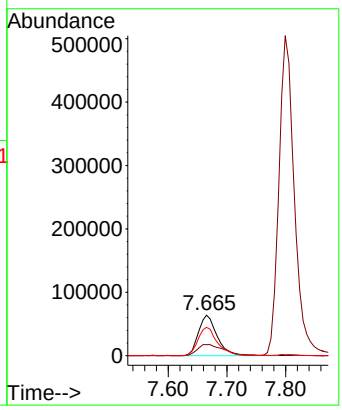
Tgt Ion: 88 Resp: 14147

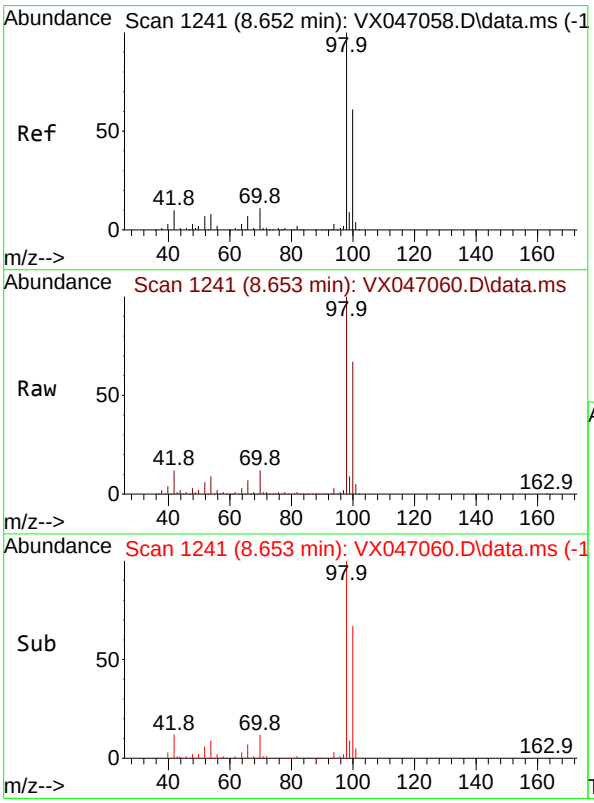
Ion	Ratio	Lower	Upper
88	100		
43	37.9	33.6	50.4
58	72.9	58.8	88.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

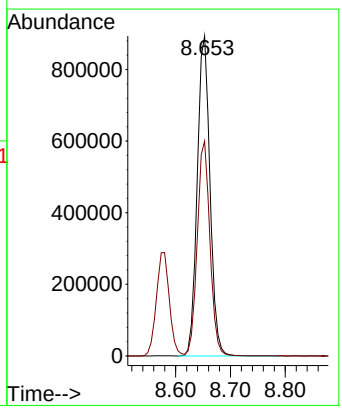


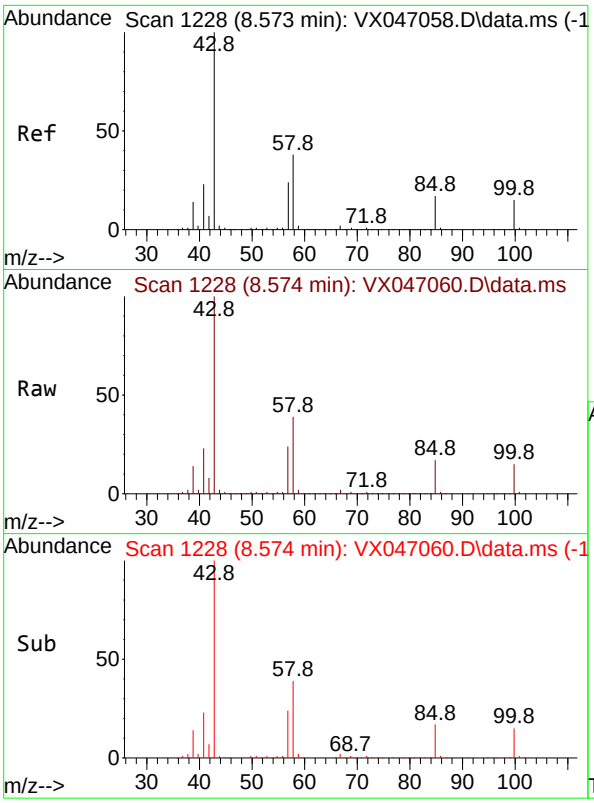


#50
Toluene-d8
Concen: 152.197 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 98 Resp: 1448057

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9

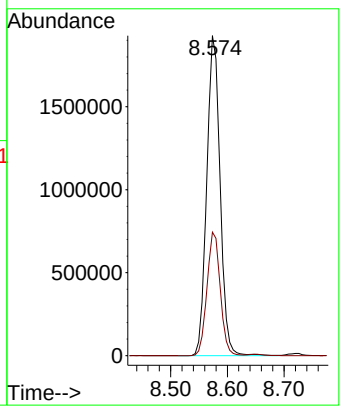




#51
4-Methyl-2-Pentanone
Concen: 735.203 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 314374

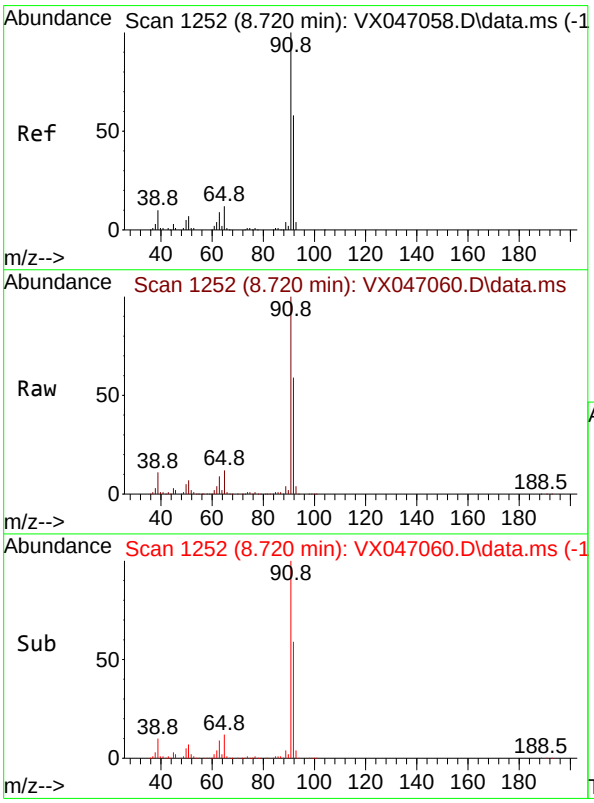
Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

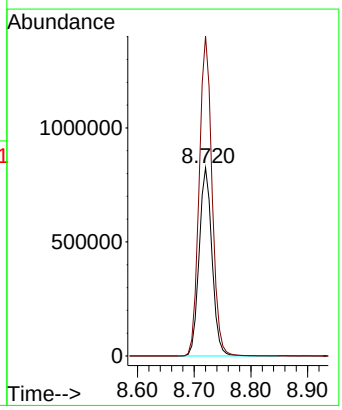
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

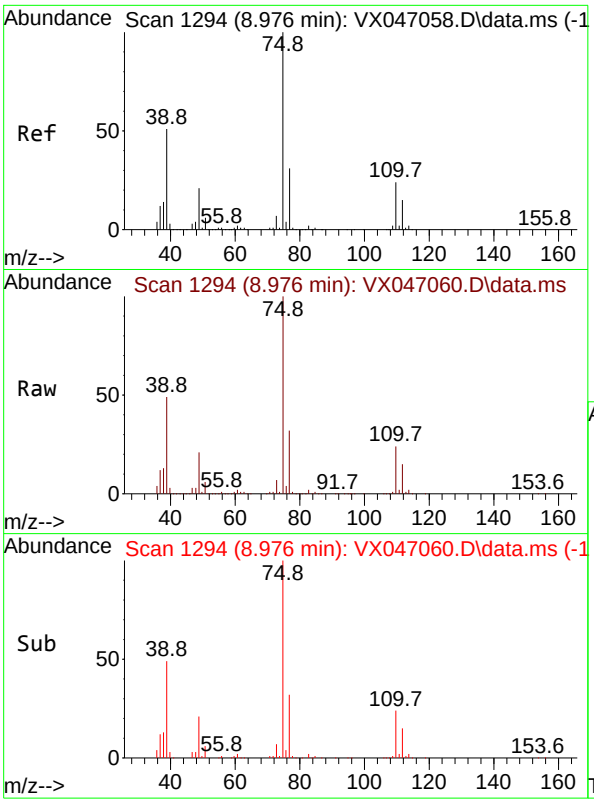


#52
Toluene
Concen: 145.703 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 92 Resp: 1298426

Ion	Ratio	Lower	Upper
92	100		
91	169.8	137.9	206.9

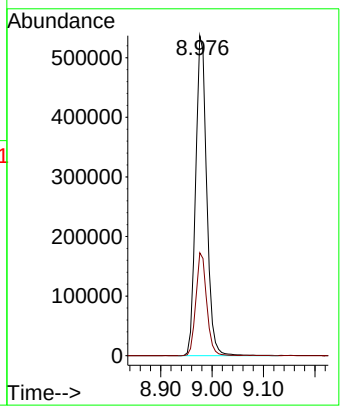




#53
t-1,3-Dichloropropene
Concen: 156.884 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 75 Resp: 80267

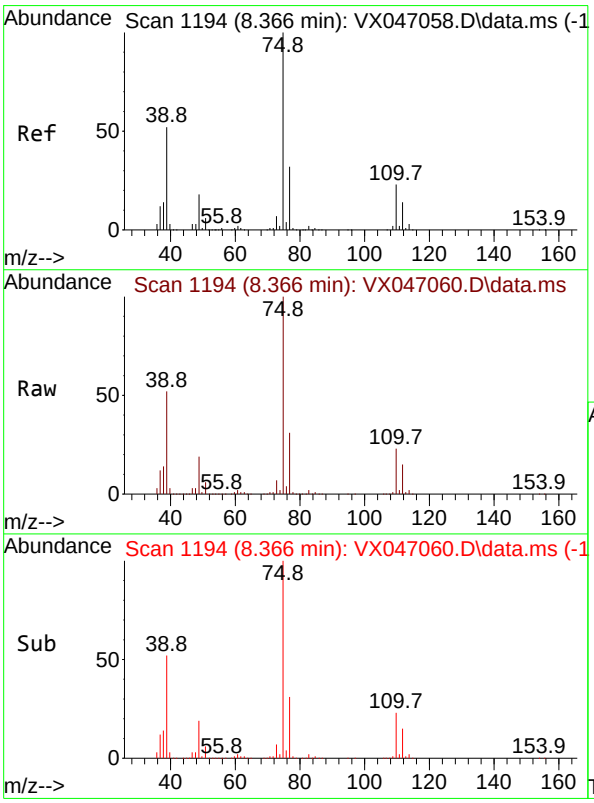
Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

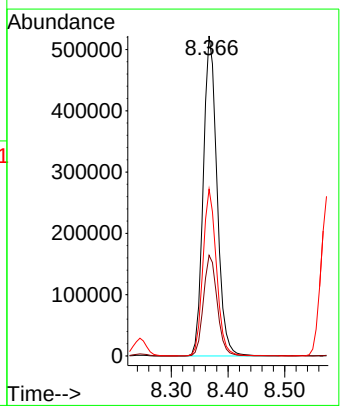
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

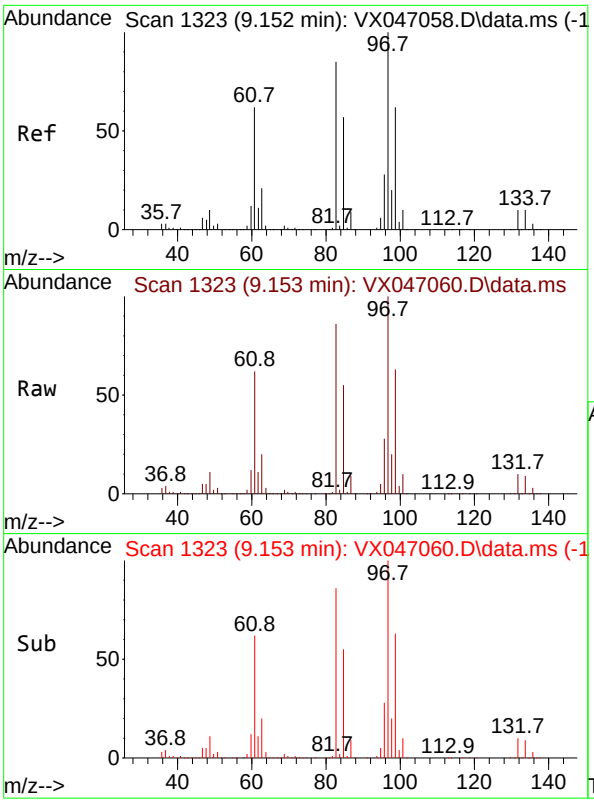


#54
cis-1,3-Dichloropropene
Concen: 156.442 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 75 Resp: 876033

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	52.1	41.8	62.6

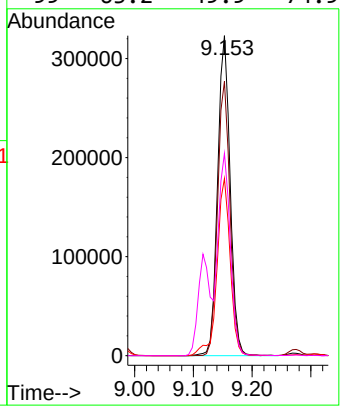




#55
1,1,2-Trichloroethane
Concen: 143.101 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 97 Resp: 47824

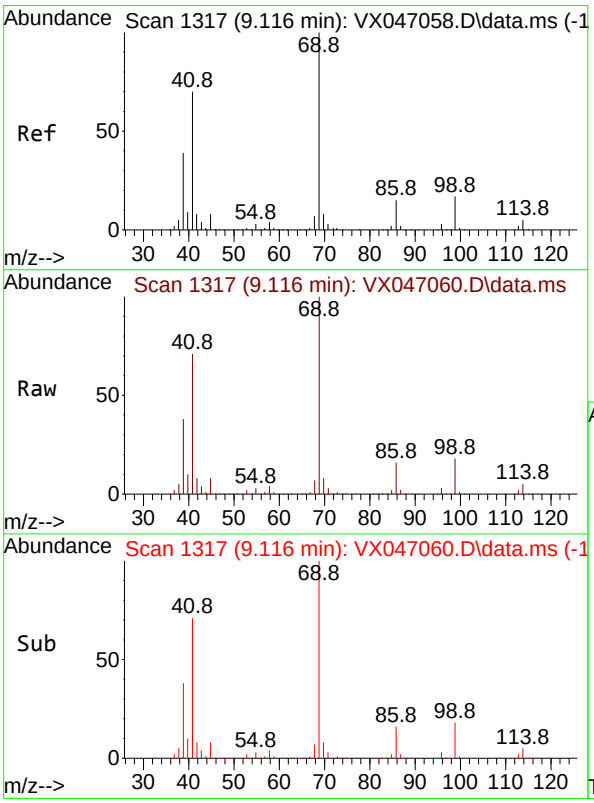
Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.0	102.0
85	55.4	45.2	67.8
99	63.2	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

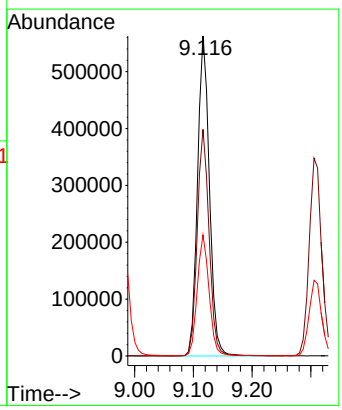
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

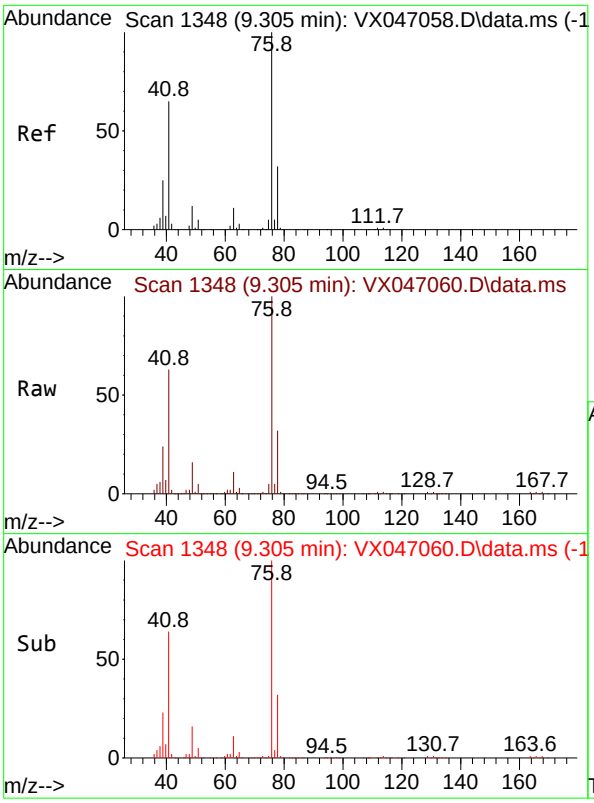


#56
Ethyl methacrylate
Concen: 160.053 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 69 Resp: 791875

Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.1	84.1
39	37.6	31.1	46.7

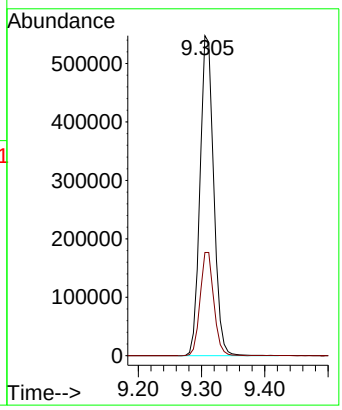




#57
1,3-Dichloropropane
Concen: 141.802 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 76 Resp: 82363

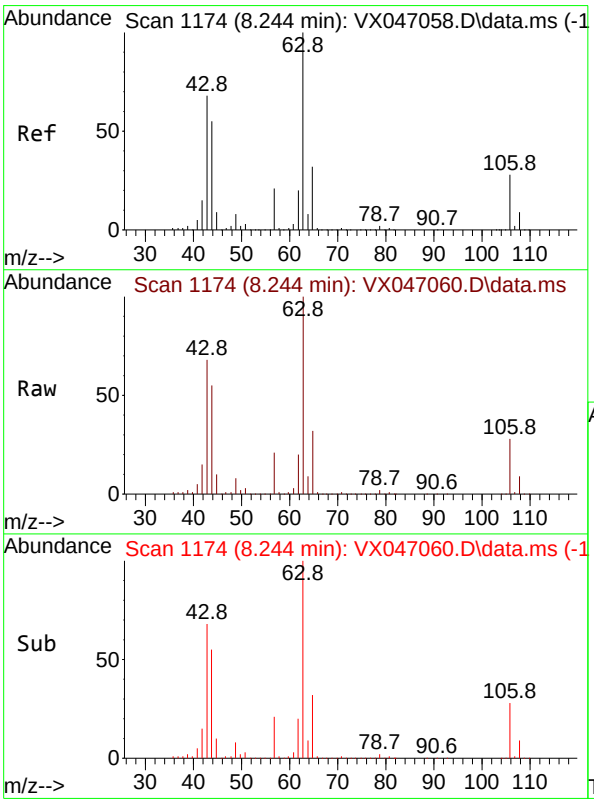
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

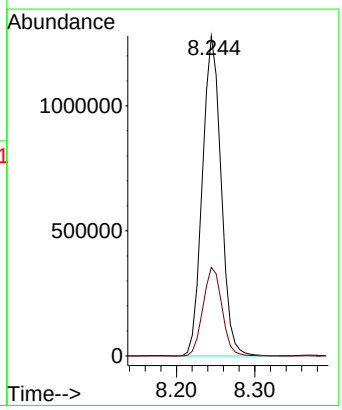
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

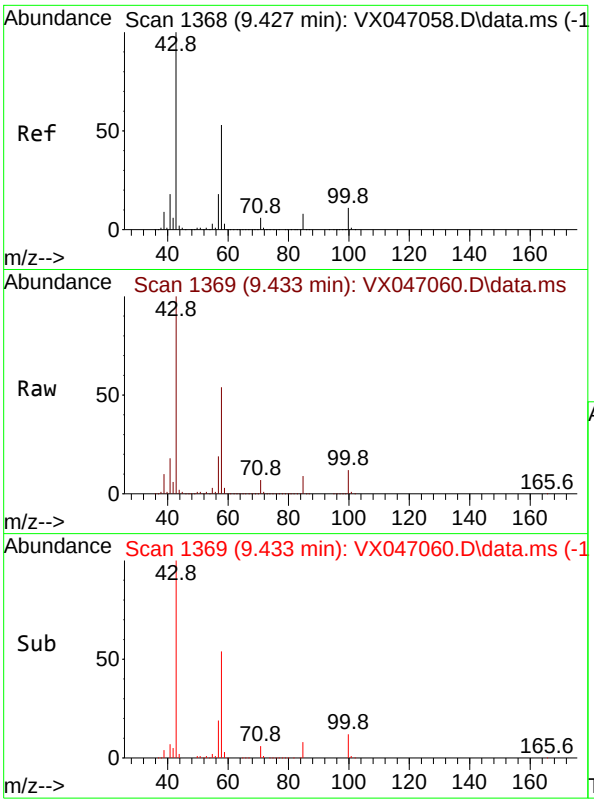


#58
2-Chloroethyl Vinyl ether
Concen: 770.350 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 63 Resp: 2120903

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.2	33.4

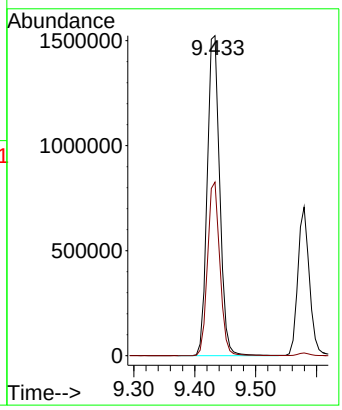




#59
2-Hexanone
Concen: 769.096 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 217276

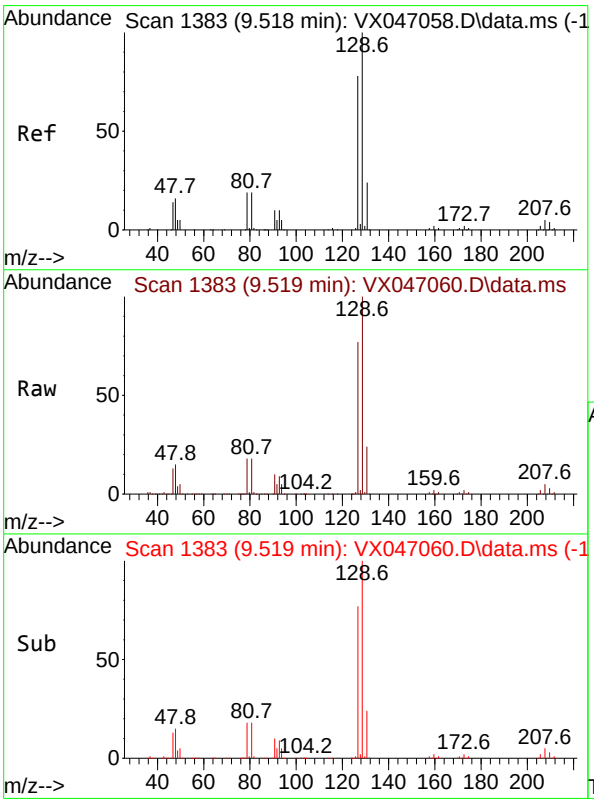
Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.5	79.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

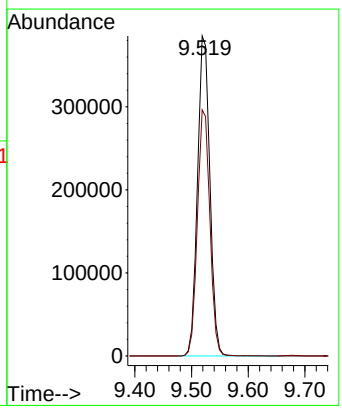
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

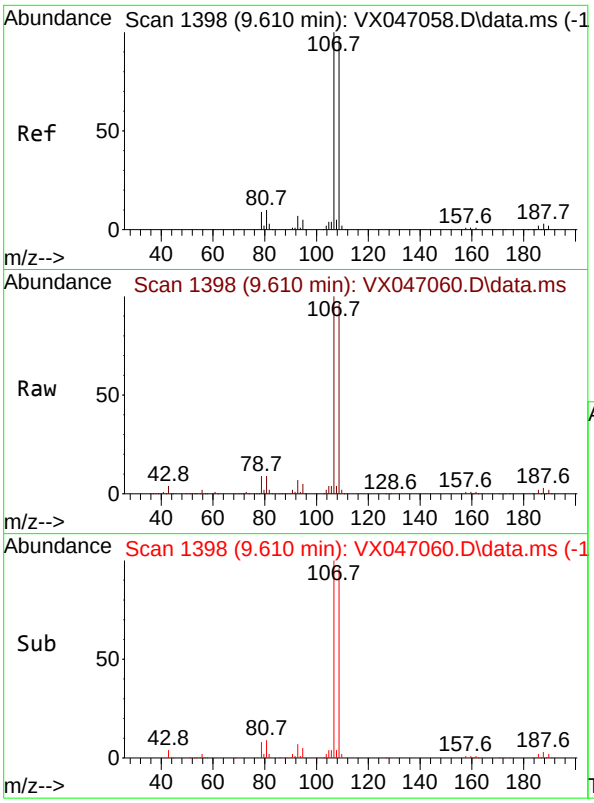


#60
Dibromochloromethane
Concen: 148.786 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:129 Resp: 583183

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.8

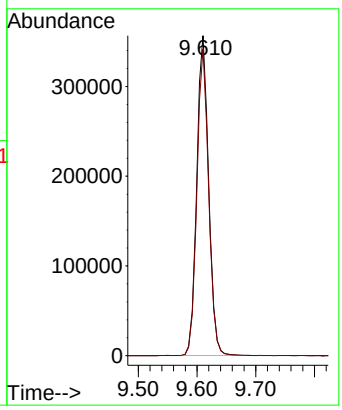




#61
1,2-Dibromoethane
Concen: 143.366 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:107 Resp: 50099

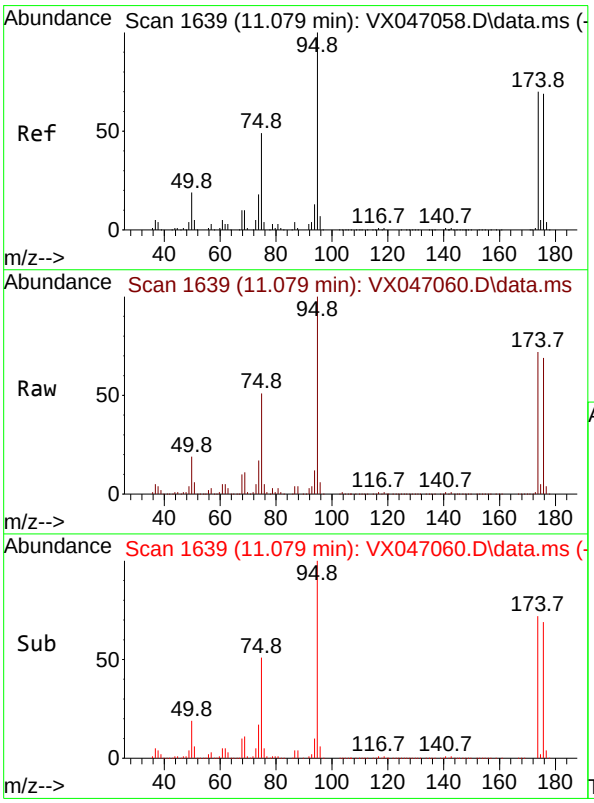
Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

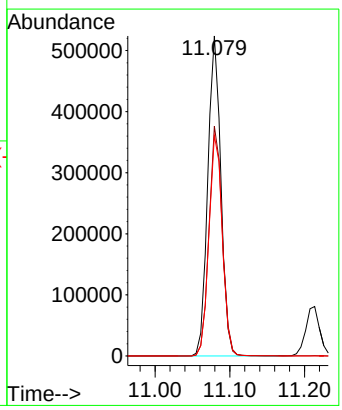
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

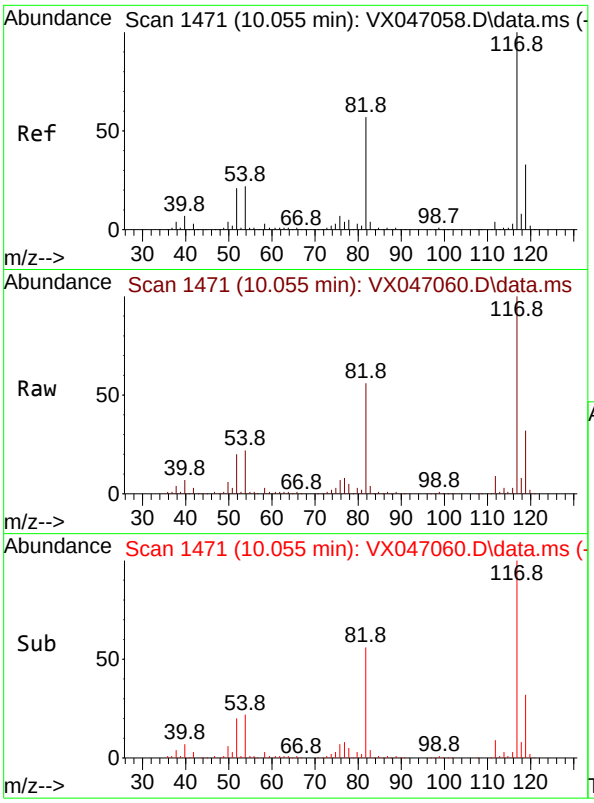


#62
4-Bromofluorobenzene
Concen: 154.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 95 Resp: 635473

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	144.6
176	70.6	0.0	139.6

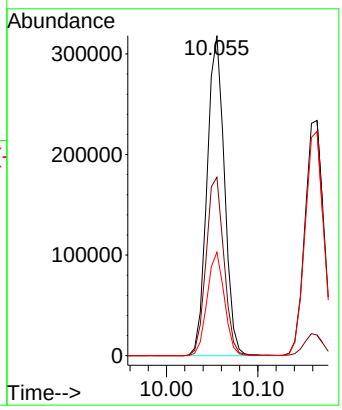




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:117 Resp: 42081

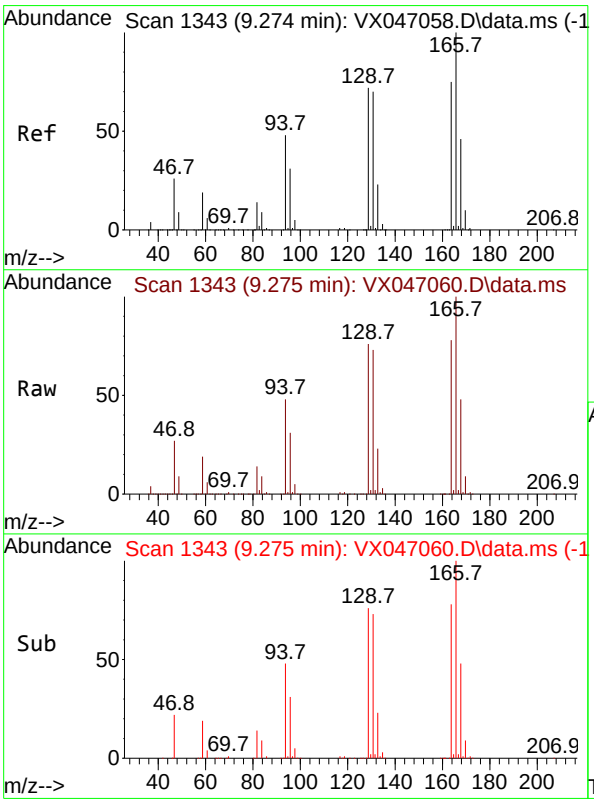
Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.4	68.2
119	32.3	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

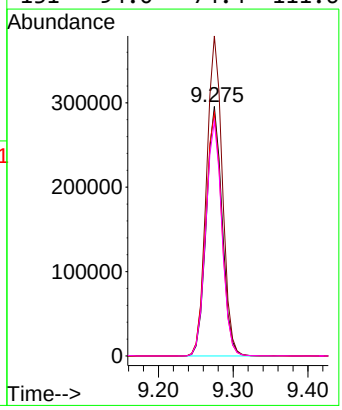
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

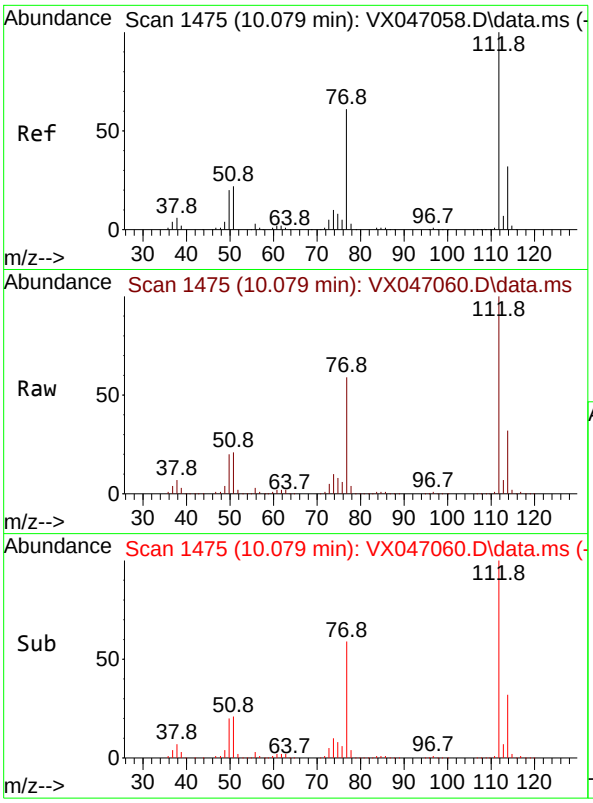


#64
Tetrachloroethene
Concen: 142.999 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:164 Resp: 433805

Ion	Ratio	Lower	Upper
164	100		
166	128.3	106.2	159.4
129	97.6	76.6	114.8
131	94.0	74.4	111.6

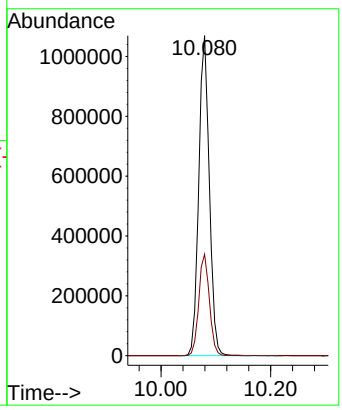




#65
Chlorobenzene
Concen: 145.306 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:112 Resp: 143248

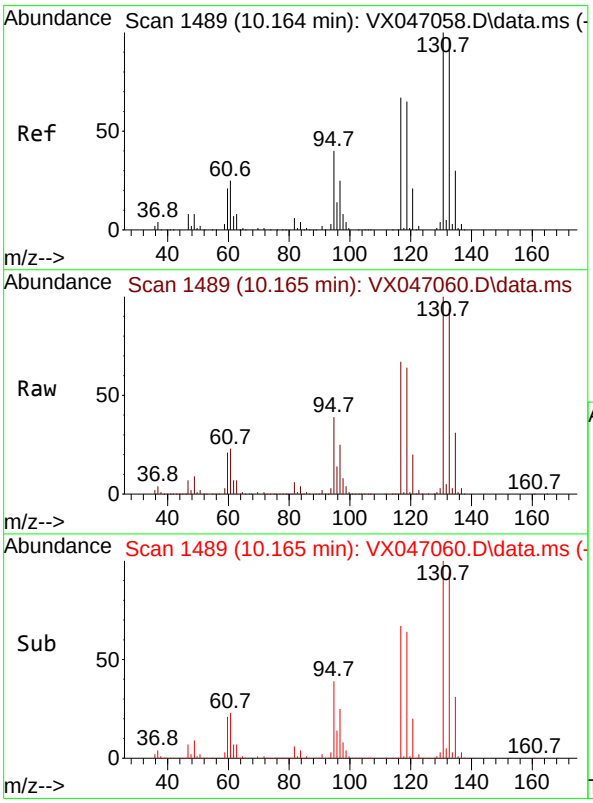
Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

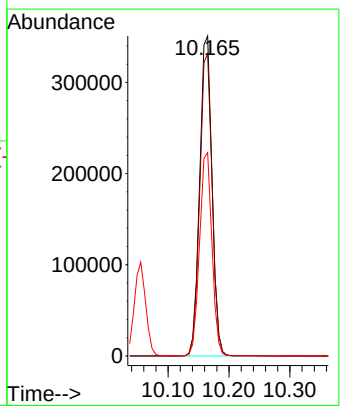
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

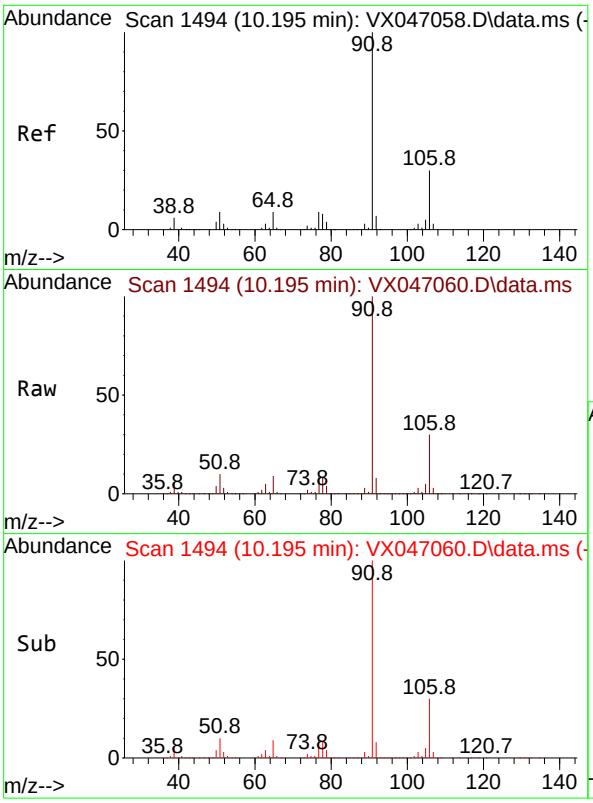


#66
1,1,1,2-Tetrachloroethane
Concen: 149.242 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:131 Resp: 495347

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.4	145.3
119	63.9	32.4	97.0

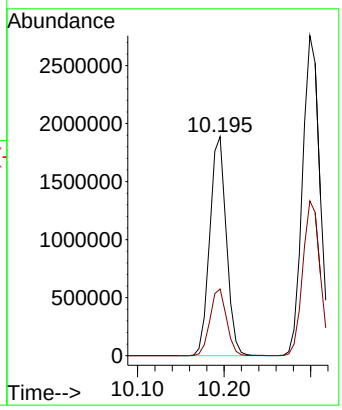




#67
Ethyl Benzene
Concen: 145.559 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 91 Resp: 250899

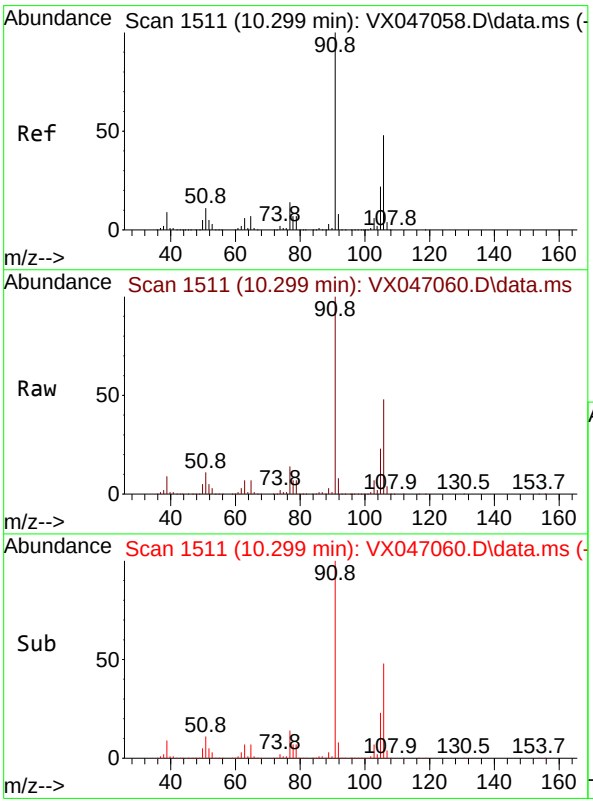
Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

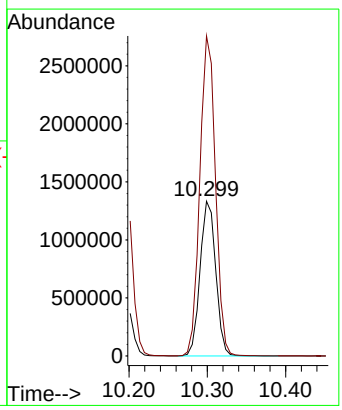
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

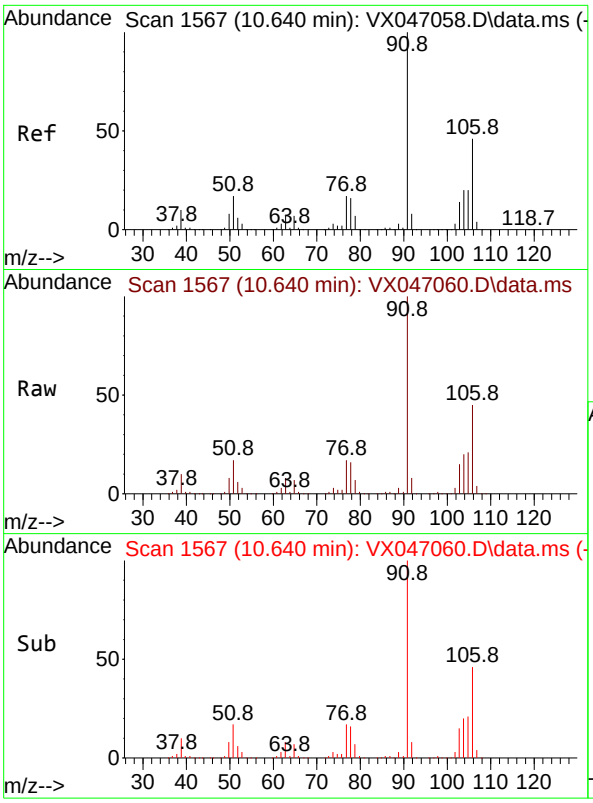


#68
m/p-Xylenes
Concen: 286.495 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:106 Resp: 1848008

Ion	Ratio	Lower	Upper
106	100		
91	206.7	167.4	251.0

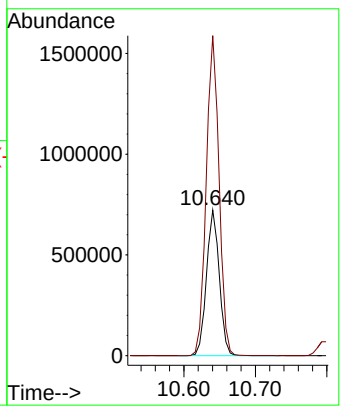




#69
o-Xylene
Concen: 146.292 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:106 Resp: 89770

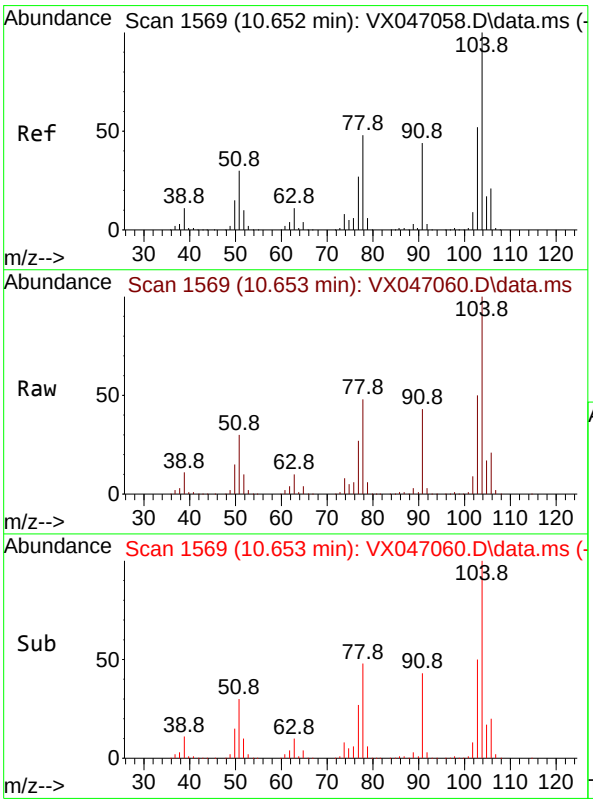
Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

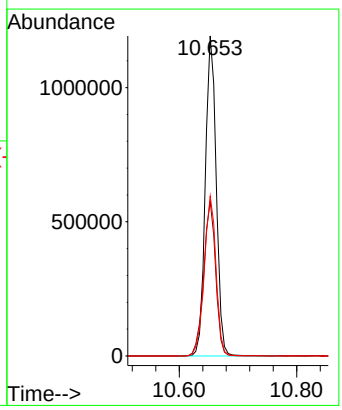
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

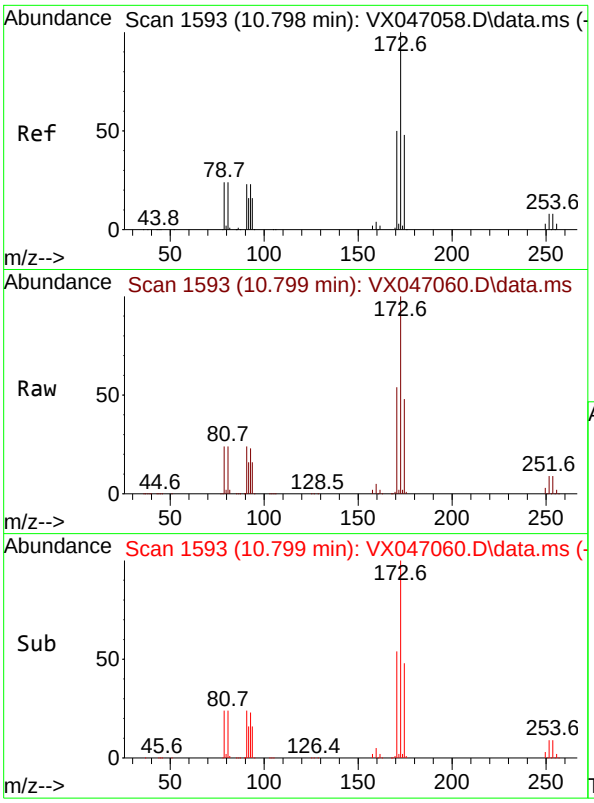


#70
Styrene
Concen: 146.214 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:104 Resp: 1538516

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.0	63.0
103	54.3	43.8	65.6

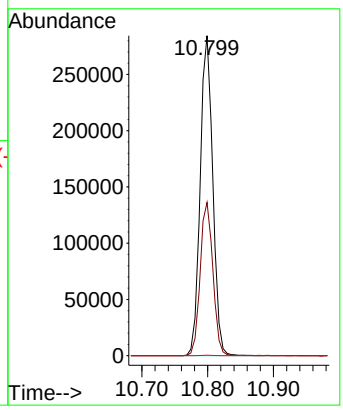




#71
Bromoform
Concen: 149.877 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:173 Resp: 37788

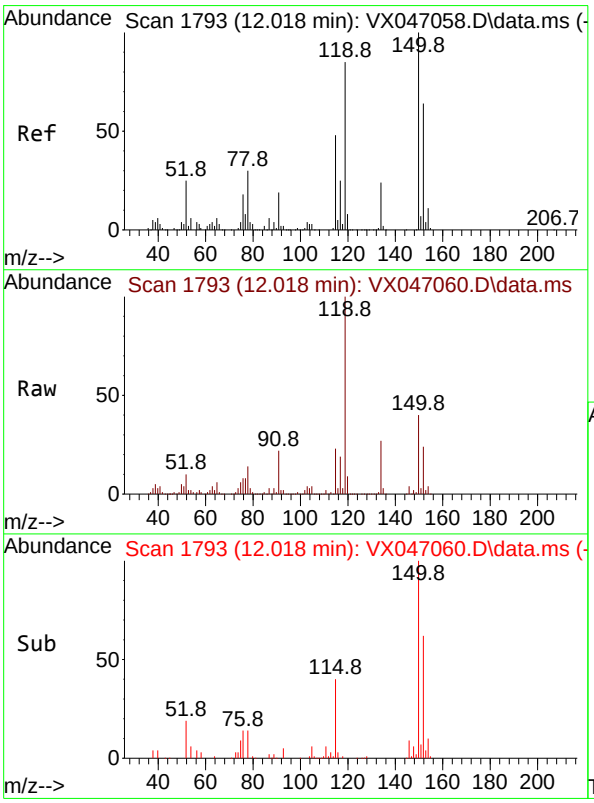
Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.1	0.1	0.1#



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

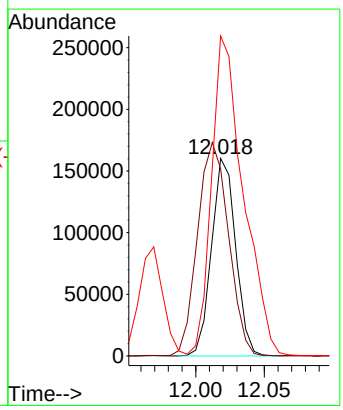
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

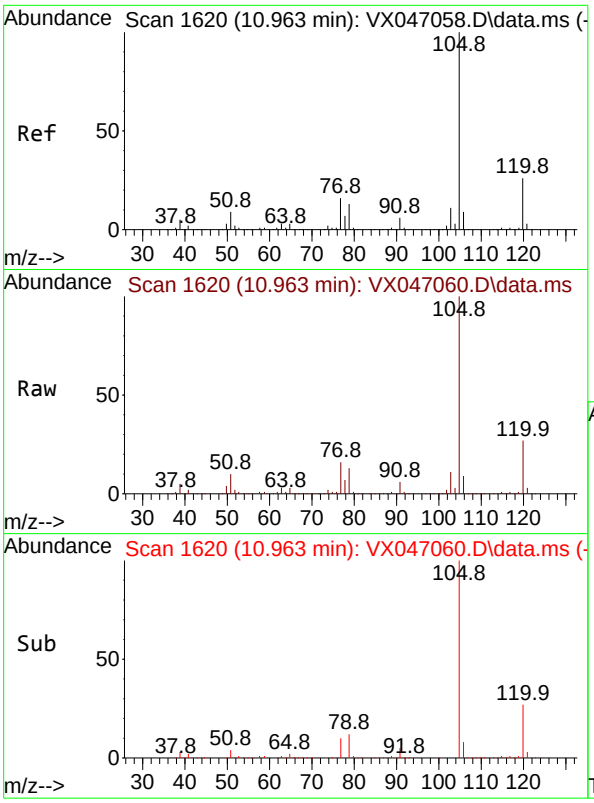


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:152 Resp: 196123

Ion	Ratio	Lower	Upper
152	100		
115	139.4	45.6	136.7#
150	213.4	0.0	354.6

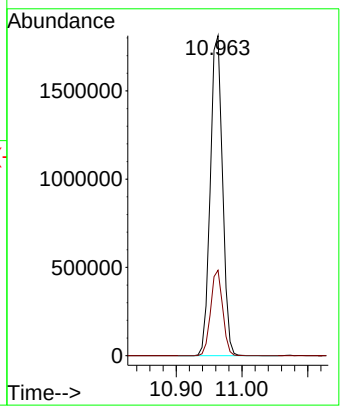




#73
Isopropylbenzene
Concen: 151.299 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:105 Resp: 234102

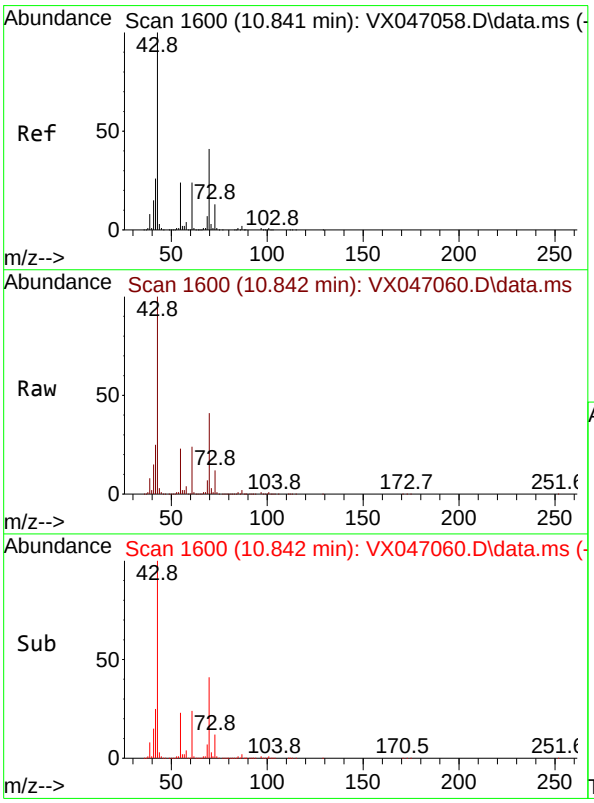
Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.9	38.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

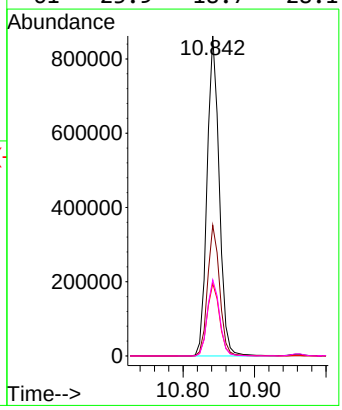
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

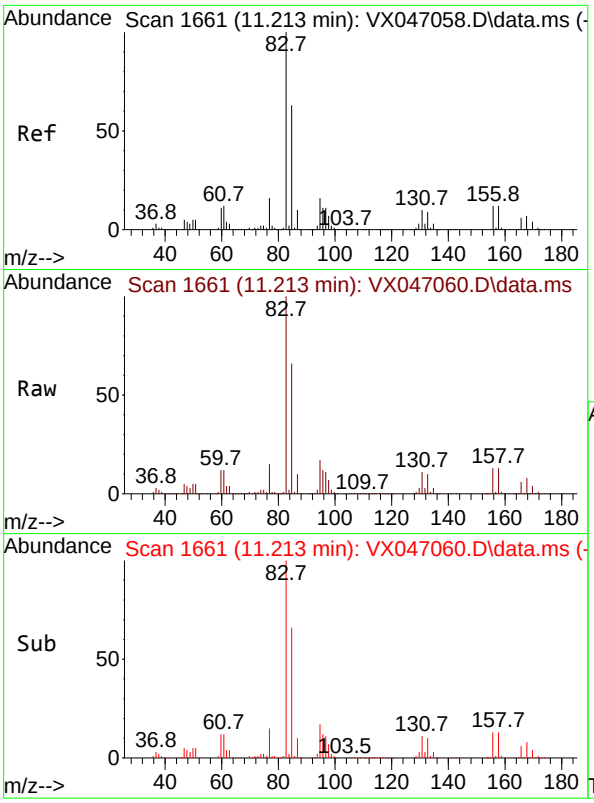


#74
N-amyl acetate
Concen: 164.856 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 1017450

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.3	48.5
55	23.1	18.9	28.3
61	23.9	18.7	28.1





#75
1,1,2,2-Tetrachloroethane
Concen: 146.858 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

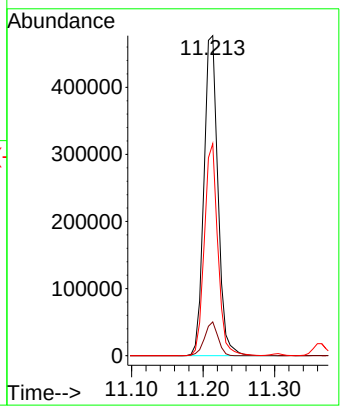
Tgt Ion: 83 Resp: 64908

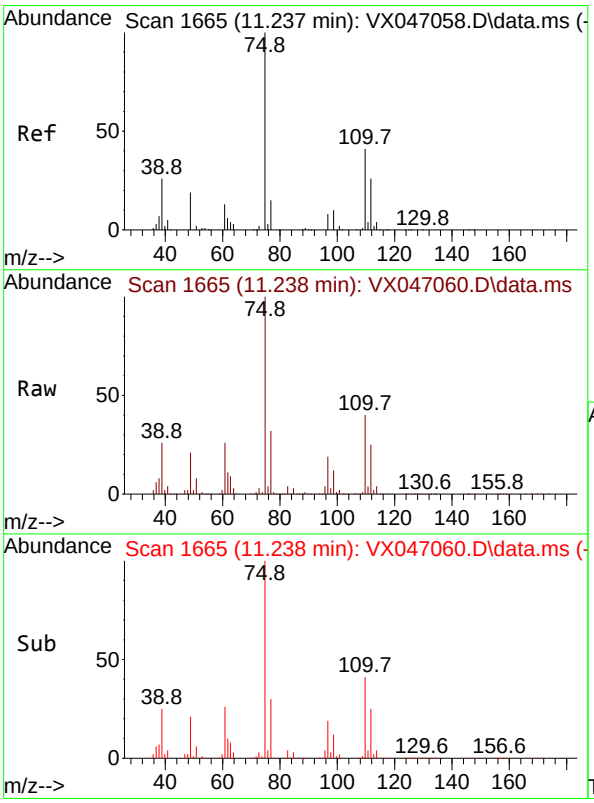
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	63.9	32.0	96.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

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

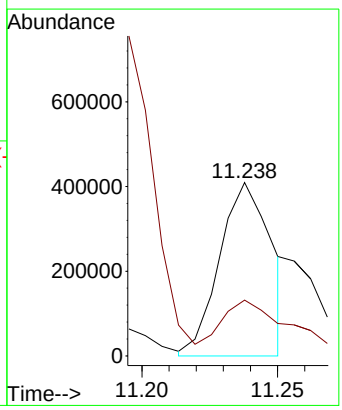


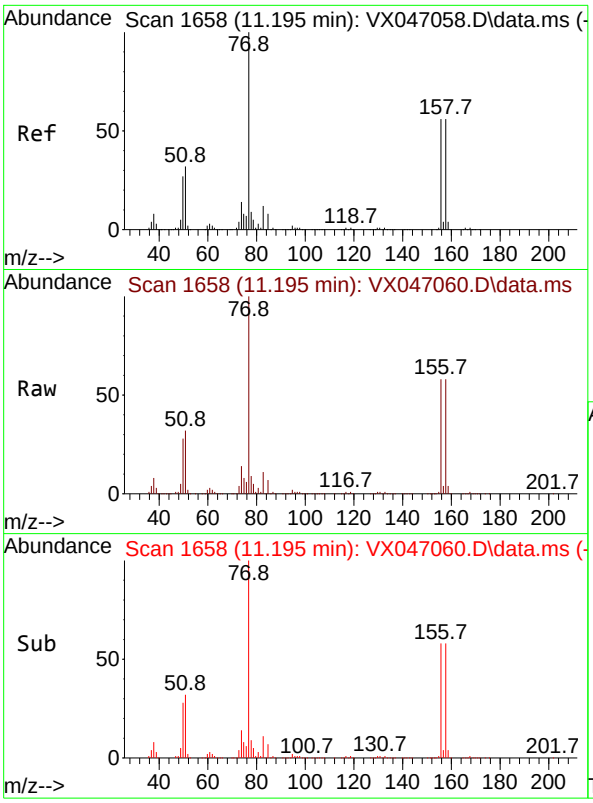


#76
1,2,3-Trichloropropane
Concen: 149.549 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 75 Resp: 542883

Ion	Ratio	Lower	Upper
75	100		
77	43.5	21.6	65.0

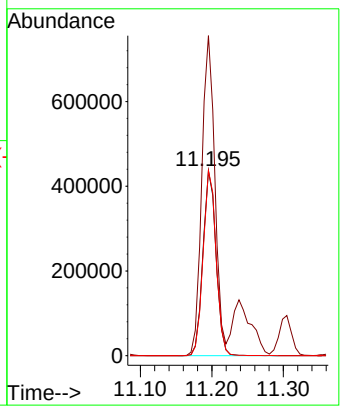




#77
Bromobenzene
Concen: 149.806 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:156 Resp: 55596

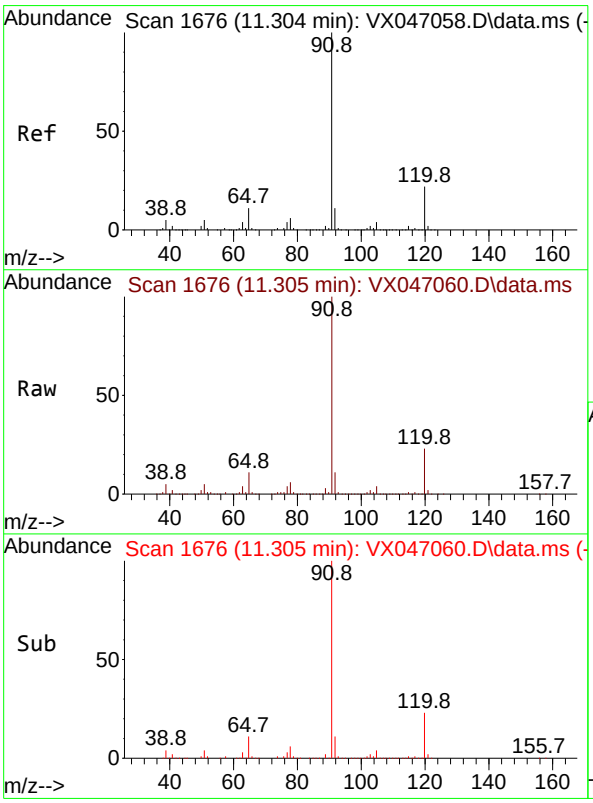
Ion	Ratio	Lower	Upper
156	100		
77	172.6	87.3	261.9
158	99.3	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

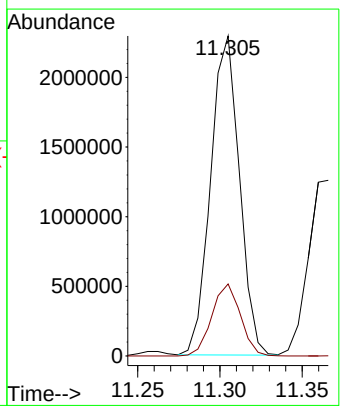
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

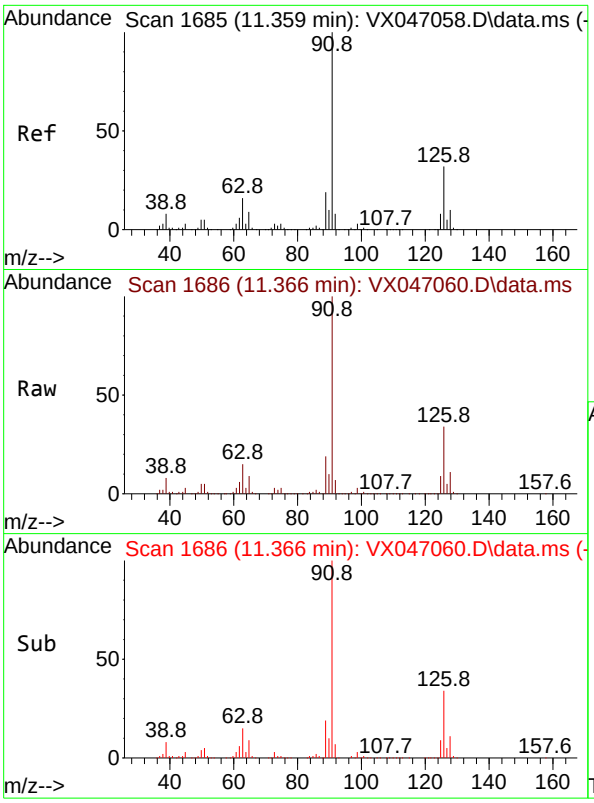


#78
n-propylbenzene
Concen: 150.924 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 91 Resp: 2790577

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0

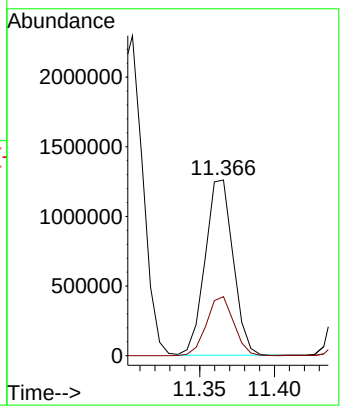




#79
2-Chlorotoluene
Concen: 148.487 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 91 Resp: 164117

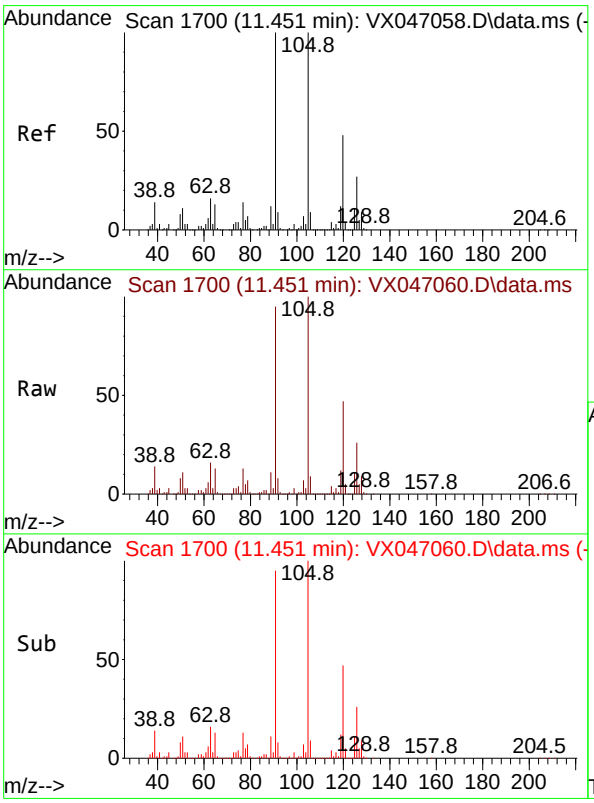
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

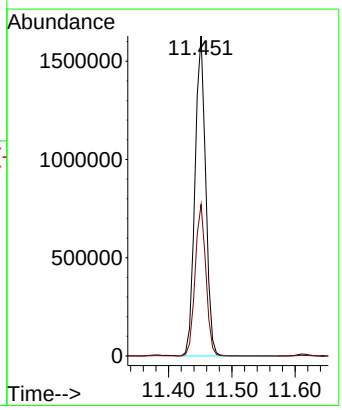
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

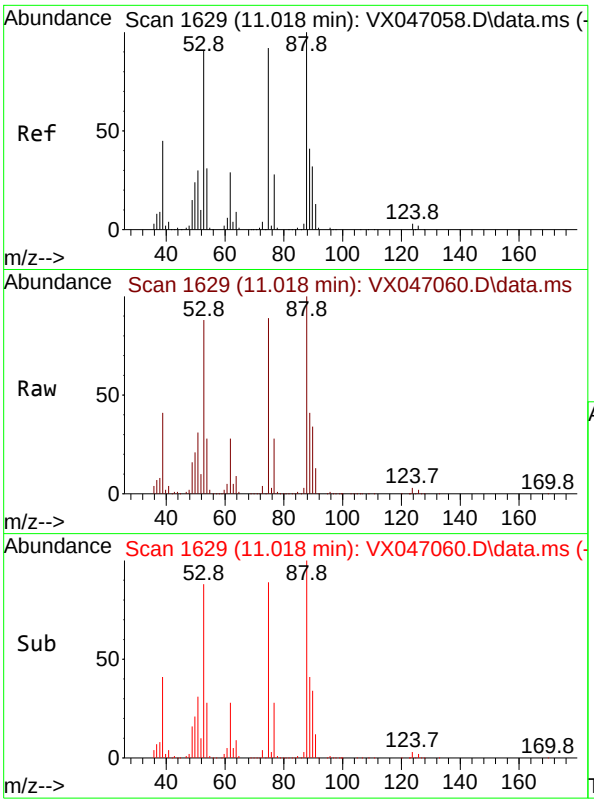


#80
1,3,5-Trimethylbenzene
Concen: 150.280 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:105 Resp: 1921023

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.5

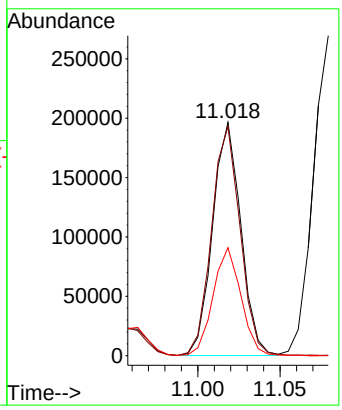




#81
trans-1,4-Dichloro-2-butene
Concen: 166.150 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 75 Resp: 23410

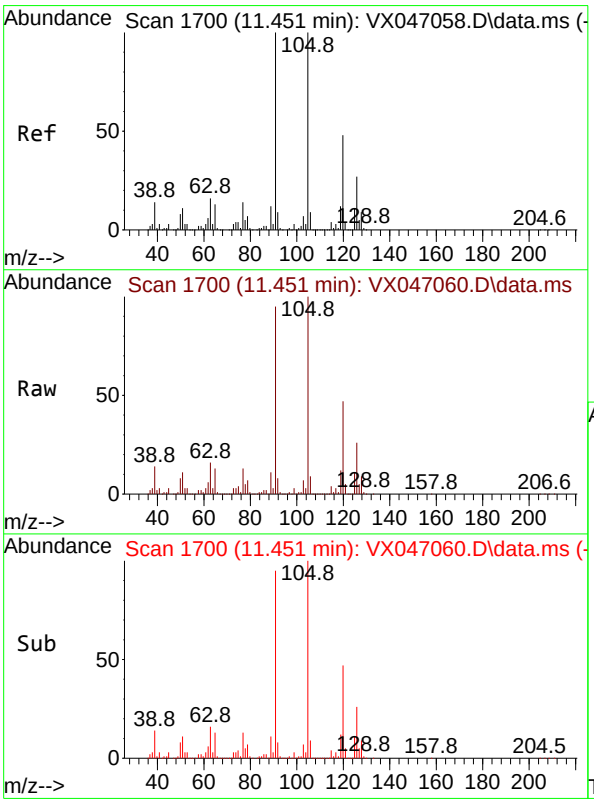
Ion	Ratio	Lower	Upper
75	100		
53	99.1	84.2	126.4
89	45.9	36.0	54.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

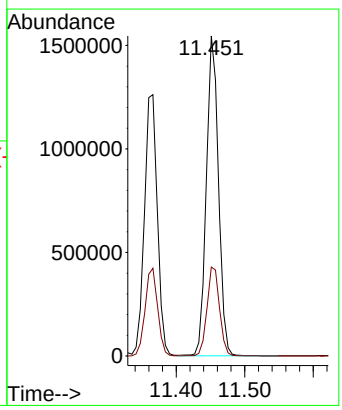
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

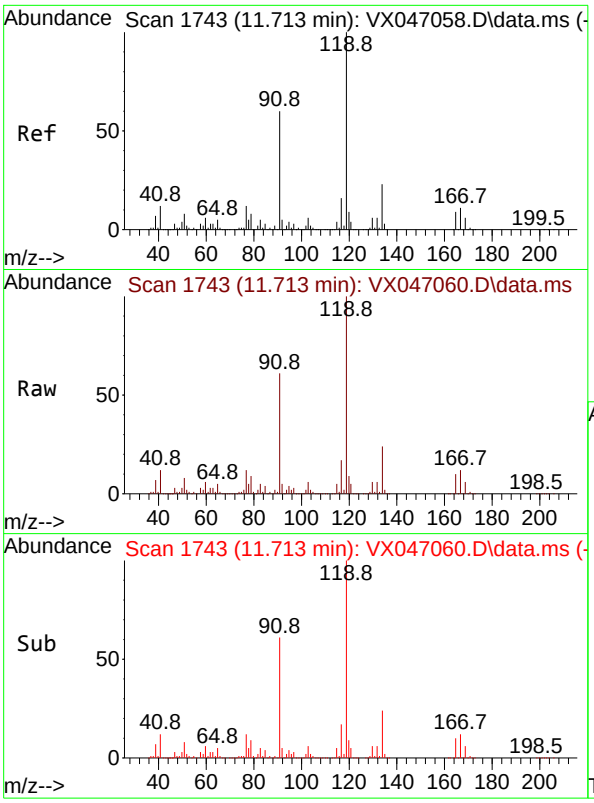


#82
4-Chlorotoluene
Concen: 147.381 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 91 Resp: 1901346

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.1	42.3

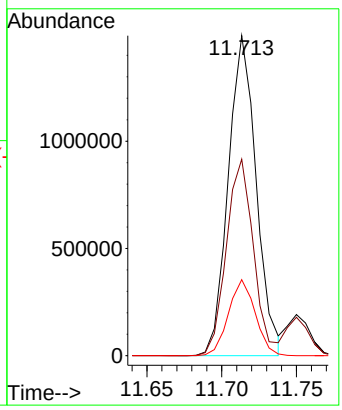




#83
tert-Butylbenzene
Concen: 151.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:119 Resp: 194104

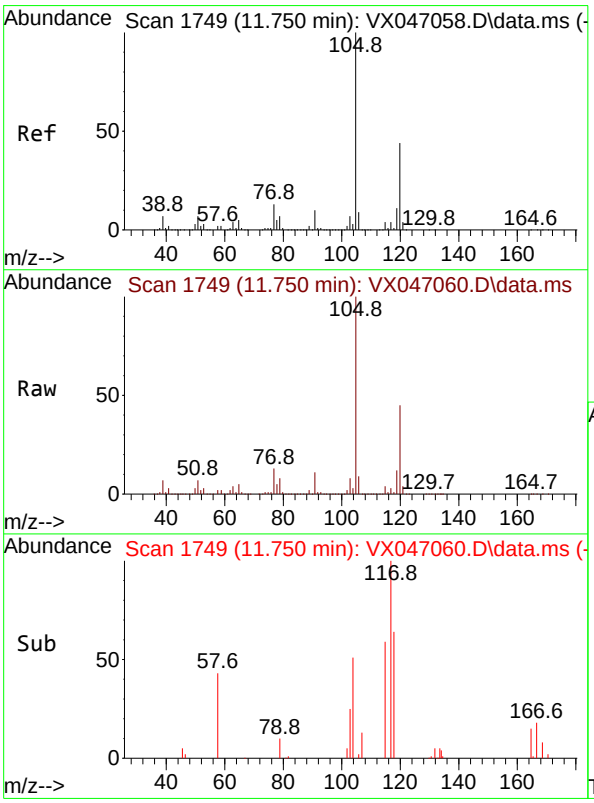
Ion	Ratio	Lower	Upper
119	100		
91	59.8	29.6	88.8
134	22.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

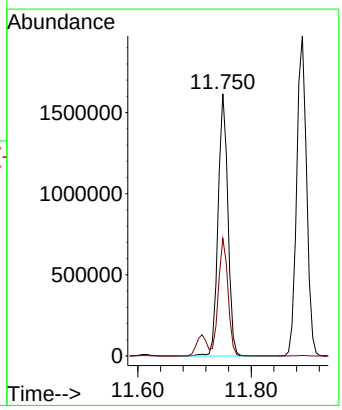
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

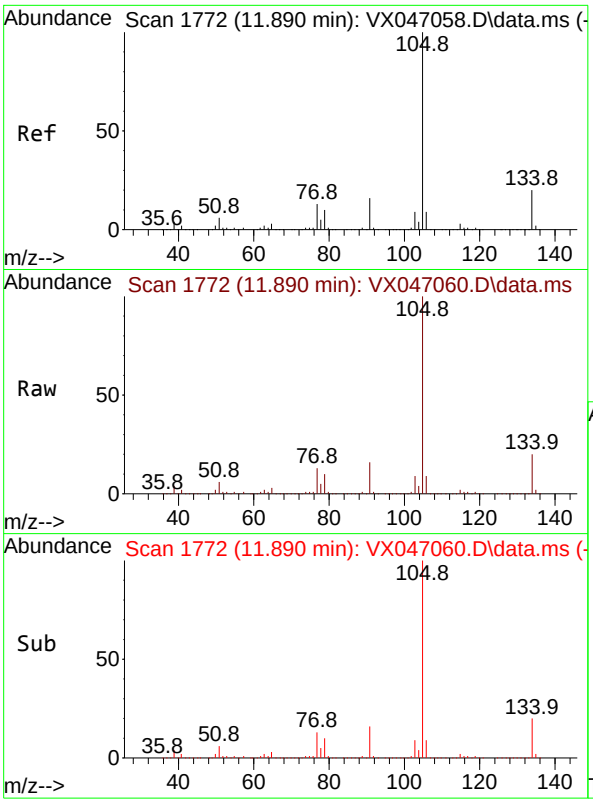


#84
1,2,4-Trimethylbenzene
Concen: 150.829 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:105 Resp: 1923088

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.0	66.0

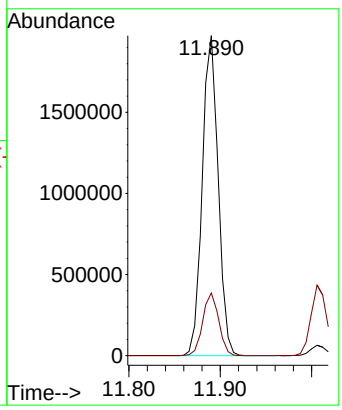




#85
sec-Butylbenzene
Concen: 148.873 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:105 Resp: 238655

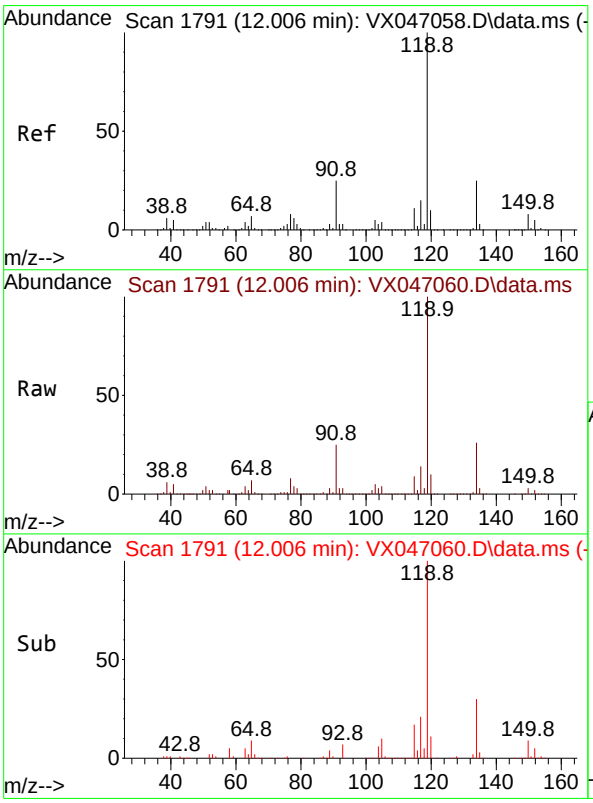
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

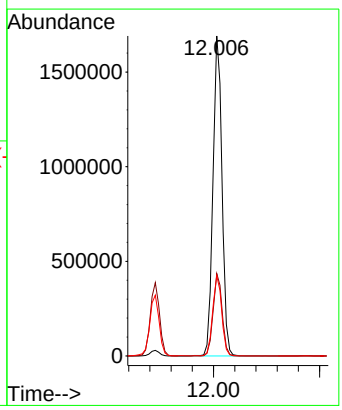
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

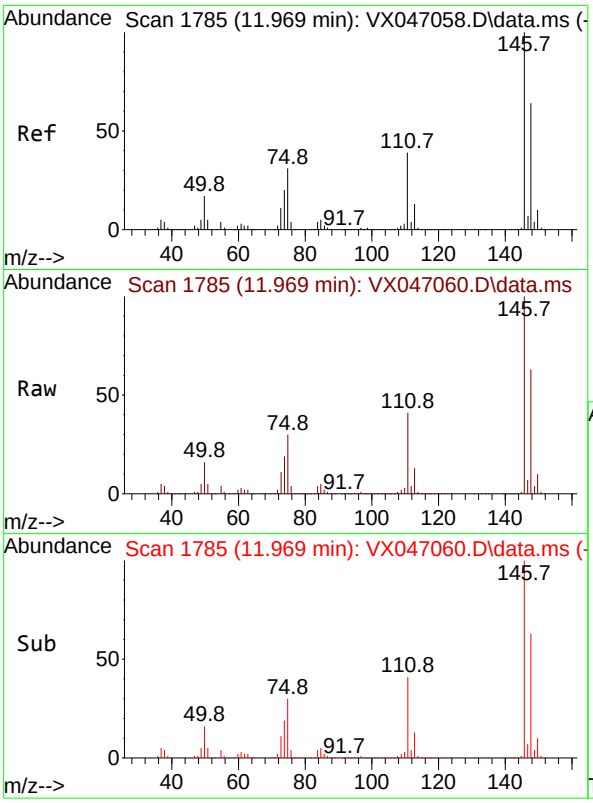


#86
p-Isopropyltoluene
Concen: 150.546 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:119 Resp: 2001346

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	25.0	12.4	37.4

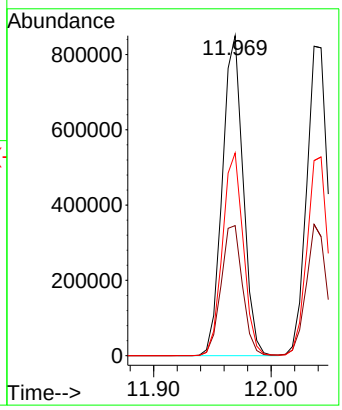




#87
1,3-Dichlorobenzene
Concen: 148.192 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:146 Resp: 104499

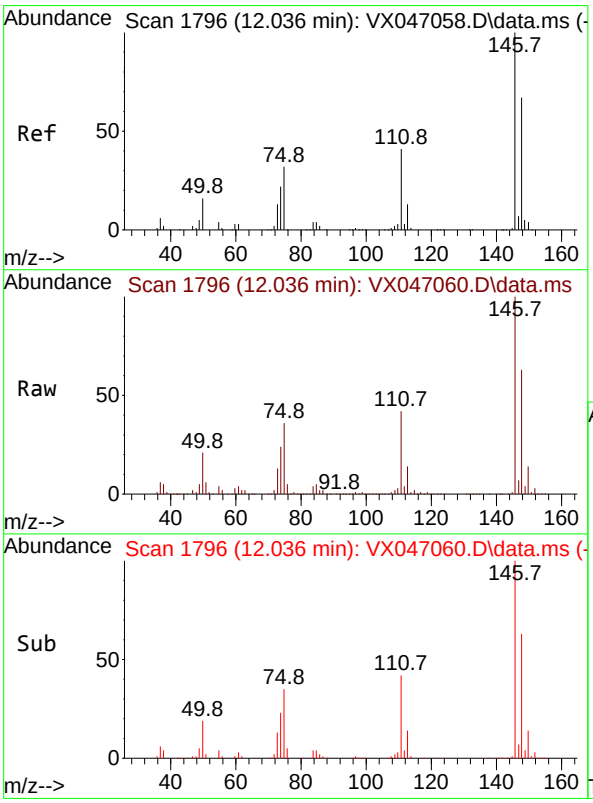
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

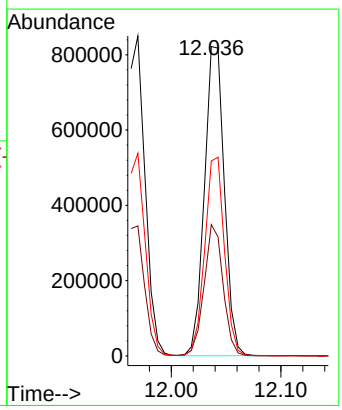
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

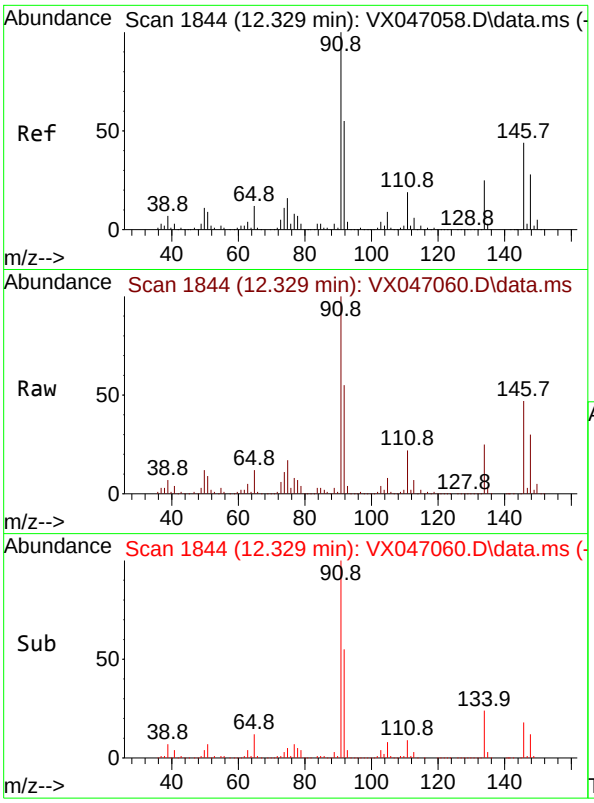


#88
1,4-Dichlorobenzene
Concen: 145.525 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:146 Resp: 1039670

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.9
148	63.7	33.0	98.9

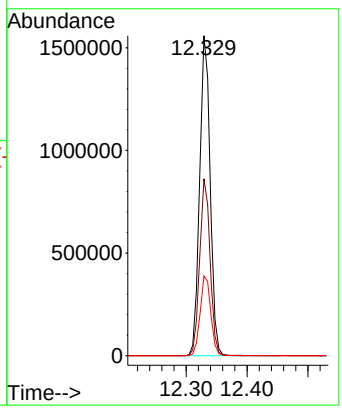




#89
n-Butylbenzene
Concen: 150.392 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 91 Resp: 187492

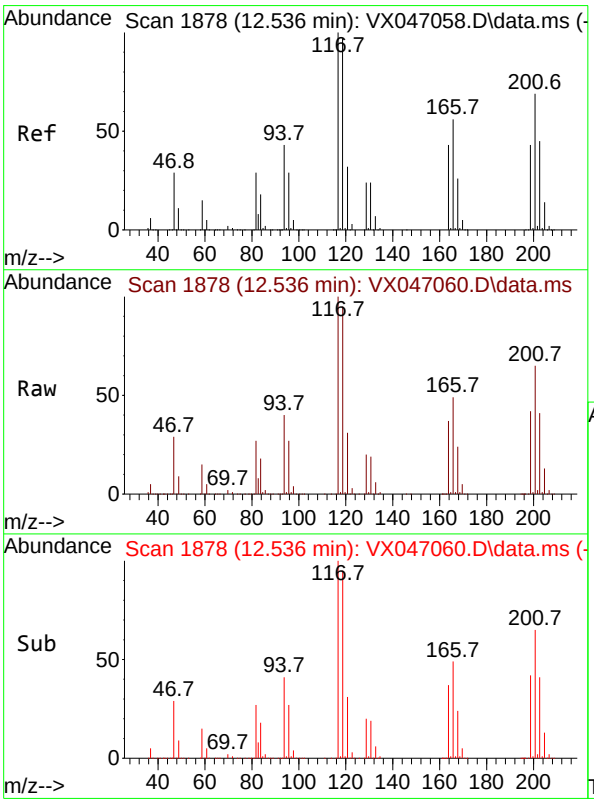
Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.5
134	25.2	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations
APPROVED

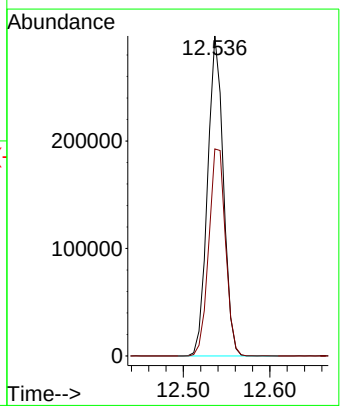
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

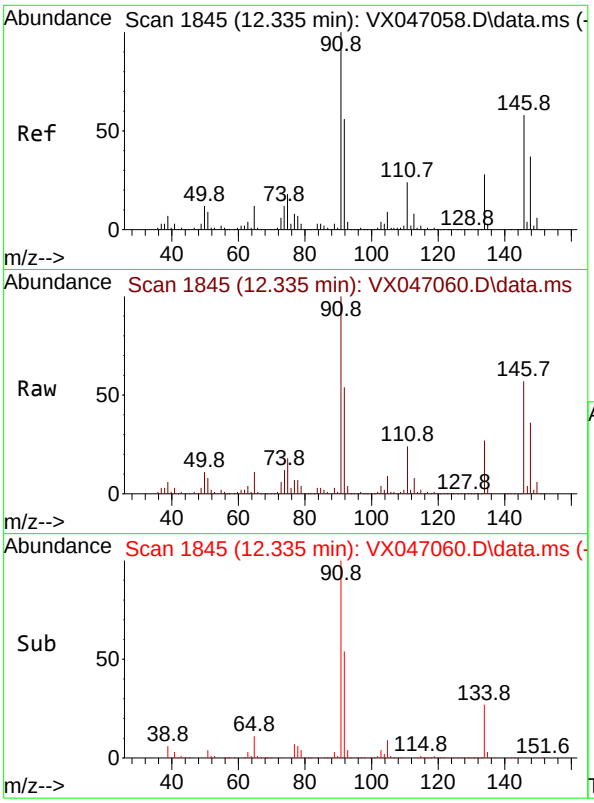


#90
Hexachloroethane
Concen: 158.429 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:117 Resp: 376780

Ion	Ratio	Lower	Upper
117	100		
201	68.5	34.8	104.5

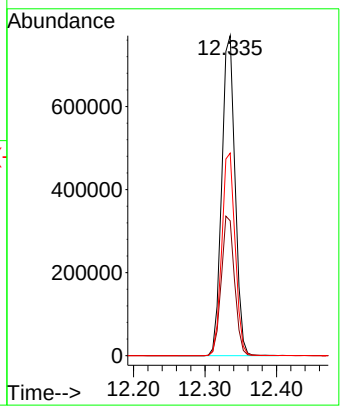




#91
1,2-Dichlorobenzene
Concen: 147.614 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:146 Resp: 99486

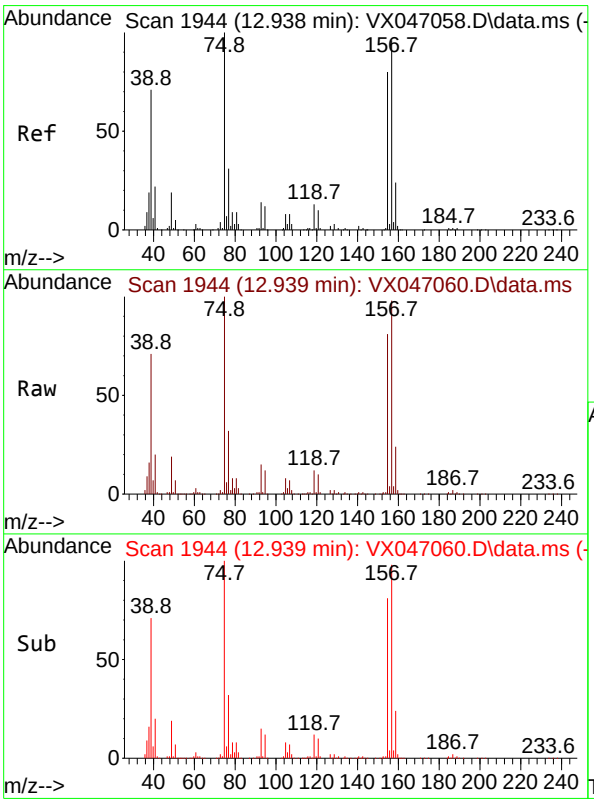
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

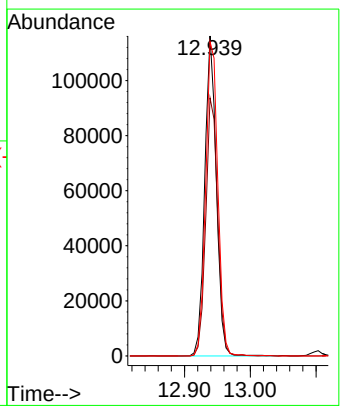
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

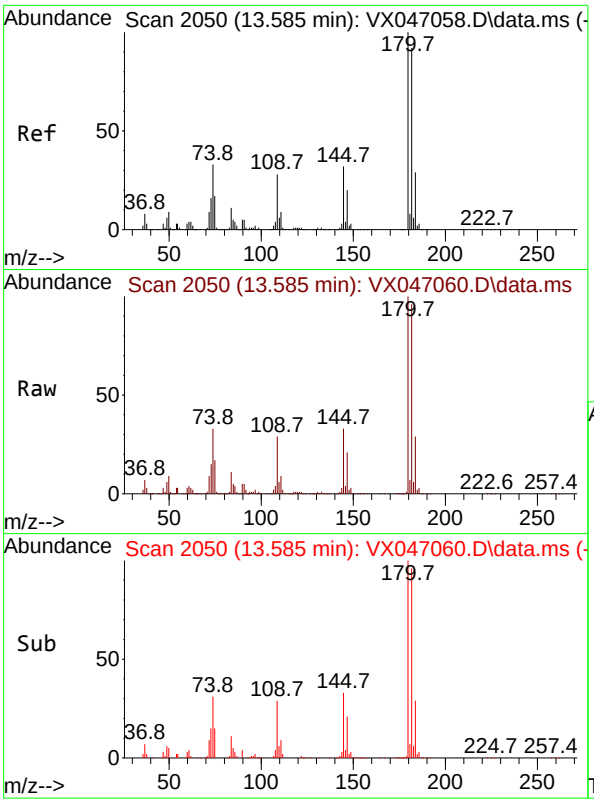


#92
1,2-Dibromo-3-Chloropropane
Concen: 167.843 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 75 Resp: 142395

Ion	Ratio	Lower	Upper
75	100		
155	83.1	41.3	124.1
157	103.2	52.8	158.3

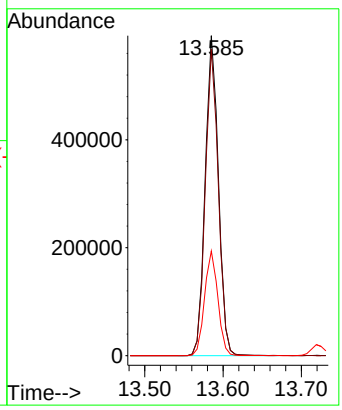




#93
1,2,4-Trichlorobenzene
Concen: 155.373 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:180 Resp: 69185

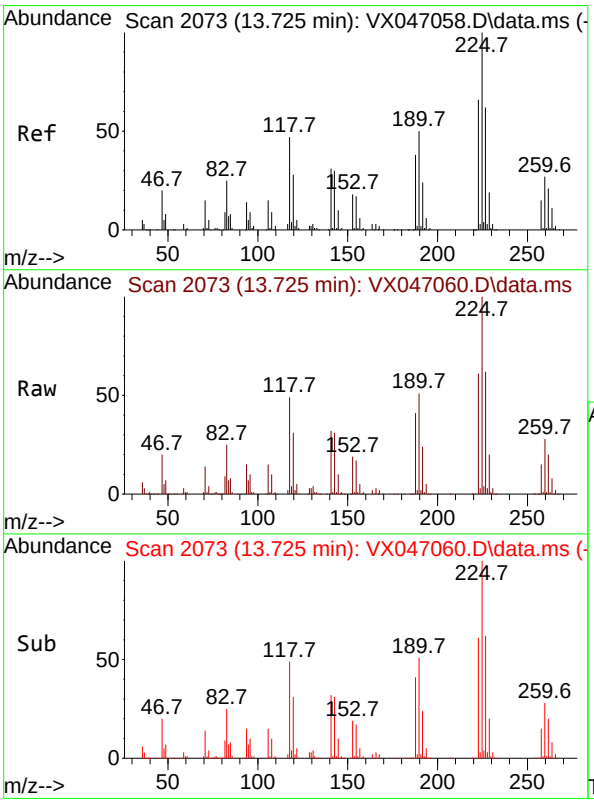
Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	32.9	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

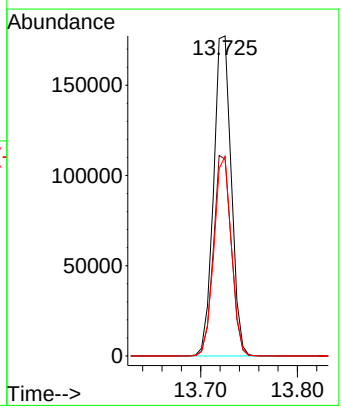
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

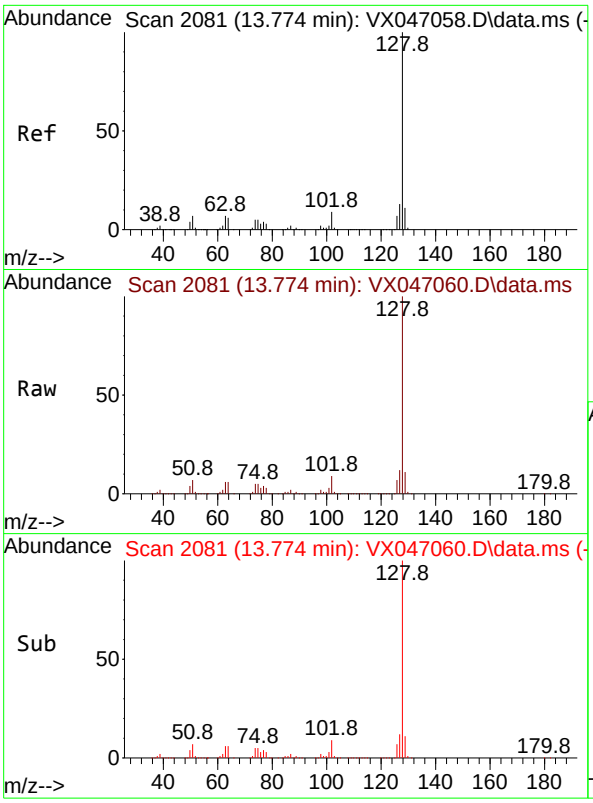


#94
Hexachlorobutadiene
Concen: 148.249 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:225 Resp: 224504

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.6	95.0
227	61.5	32.9	98.6

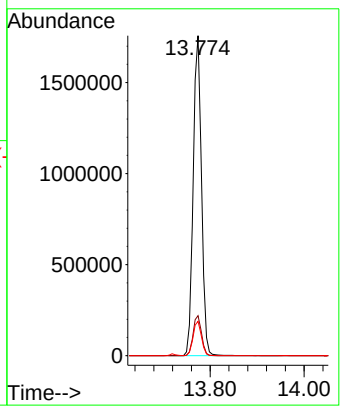




#95
Naphthalene
Concen: 166.363 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:128 Resp: 217168

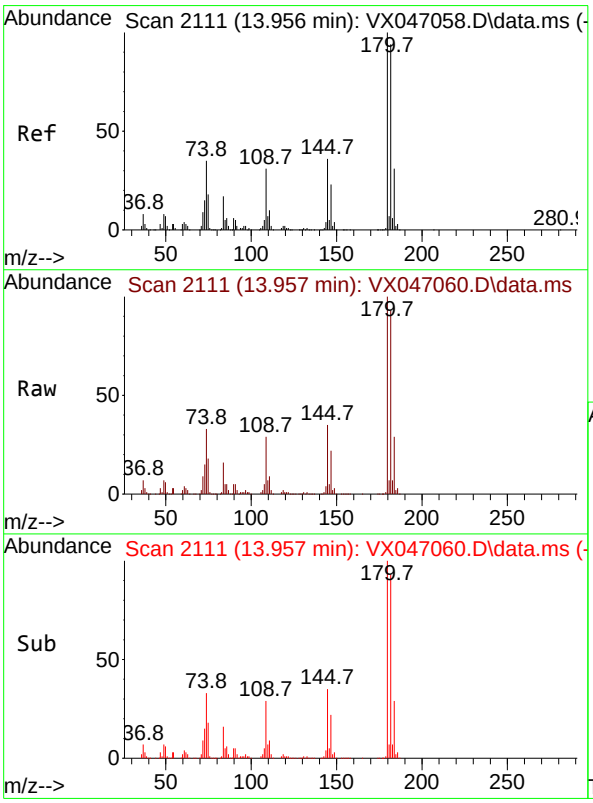
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

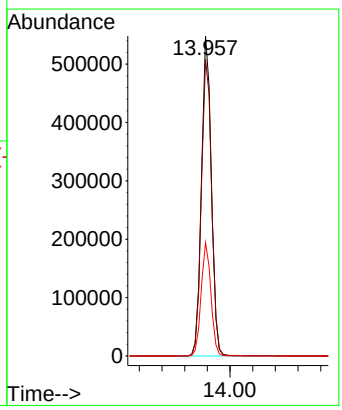
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 154.436 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:180 Resp: 662501

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.6
145	35.0	17.3	52.0



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

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

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

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

ICAL Form

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

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

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

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

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

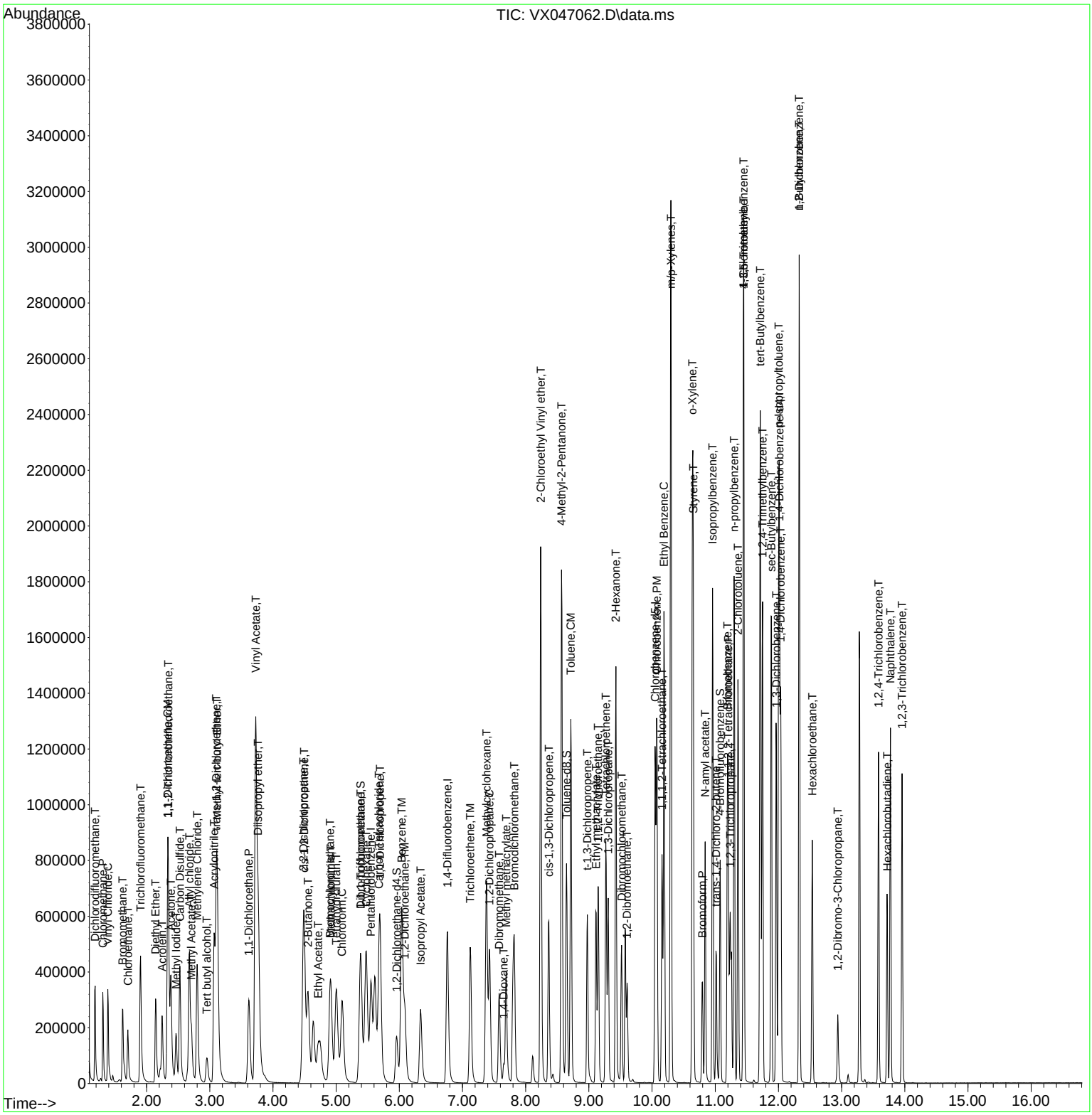
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX072125\
Data File : VX047062.D
Acq On : 21 Jul 2025 13:17
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

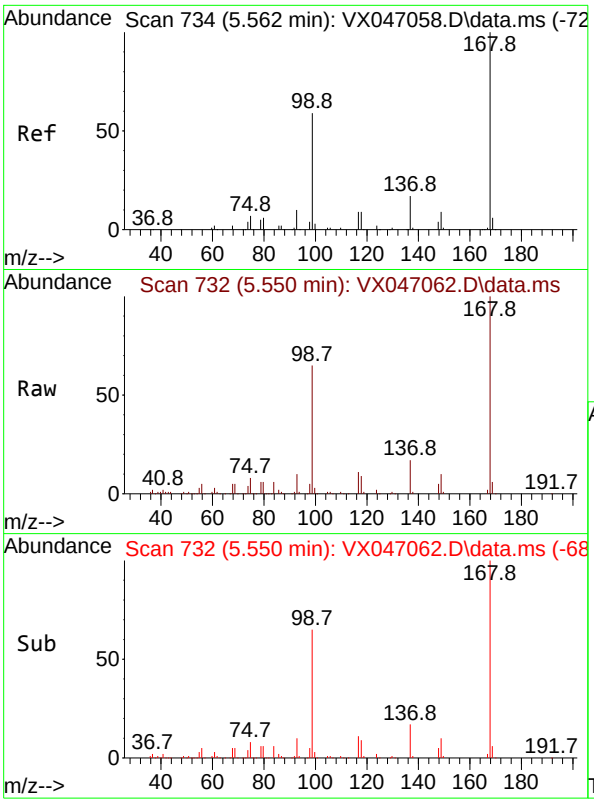
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:35:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

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

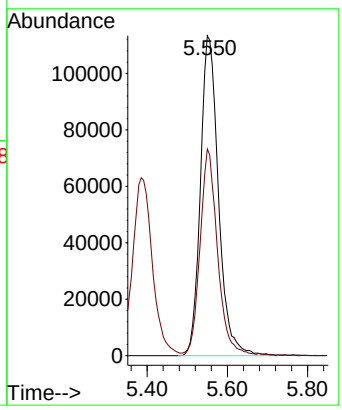




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:168 Resp: 35393

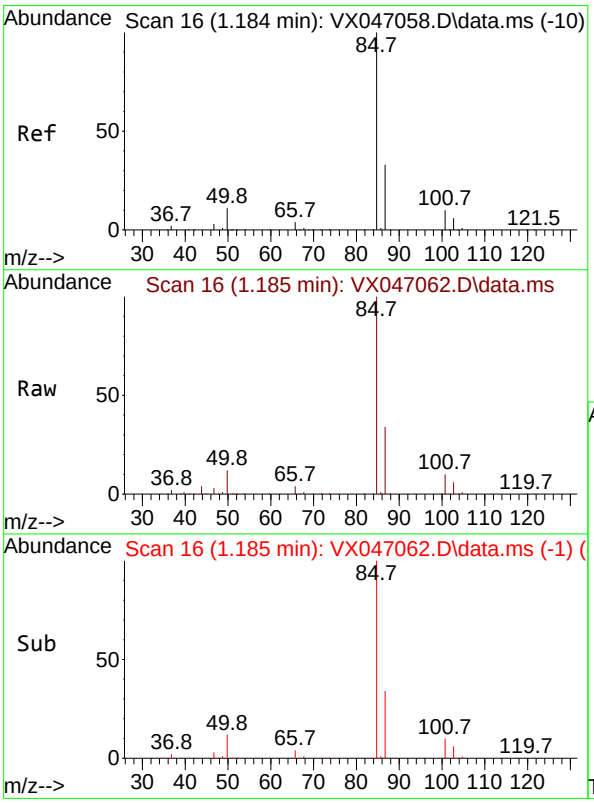
Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

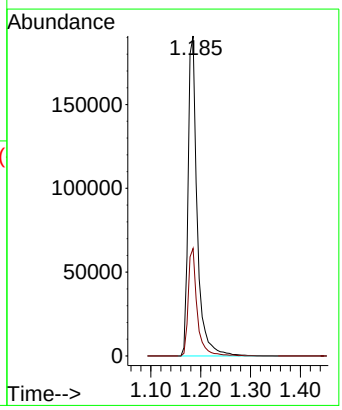
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

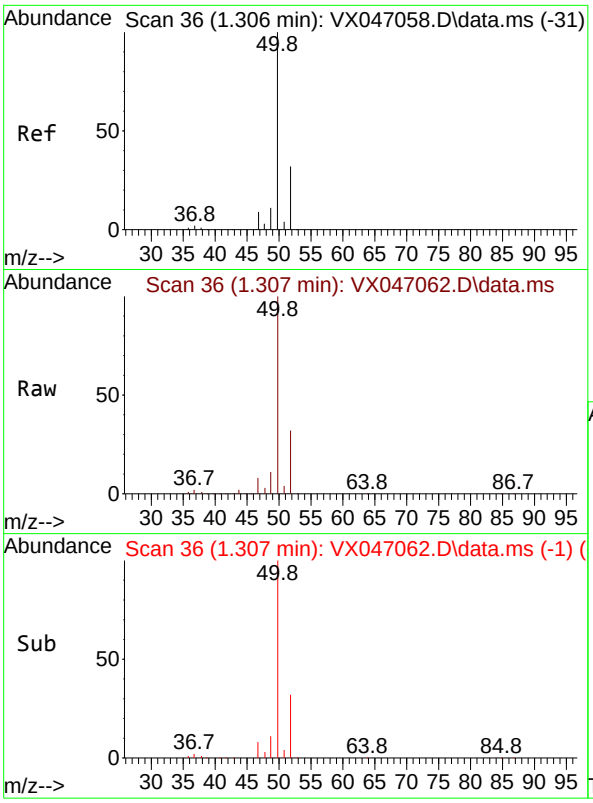


#2
Dichlorodifluoromethane
Concen: 51.252 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 85 Resp: 240944

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.6	49.8

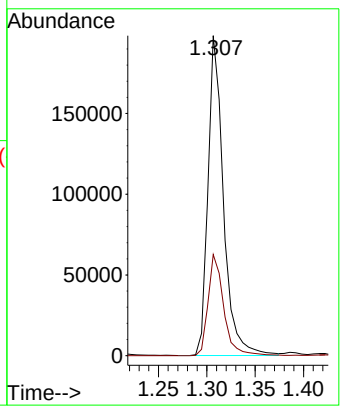




#3
Chloromethane
Concen: 47.383 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 50 Resp: 22034

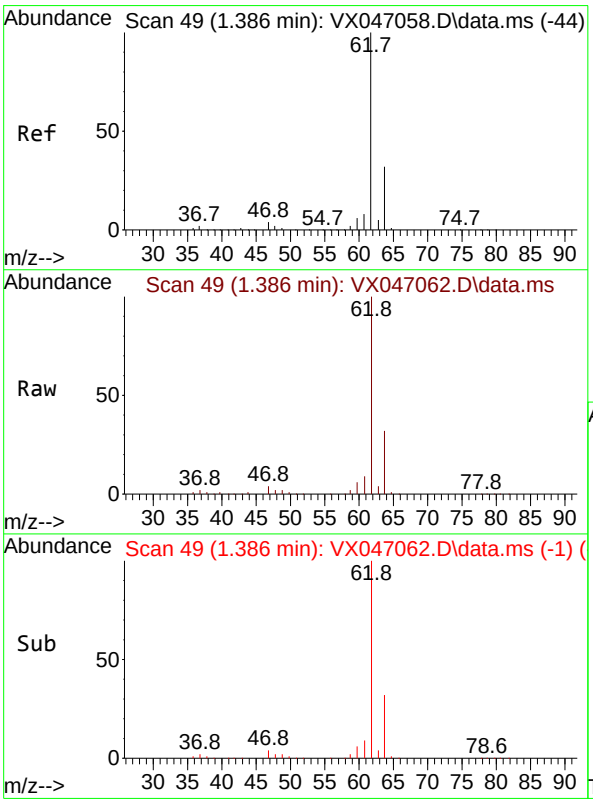
Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

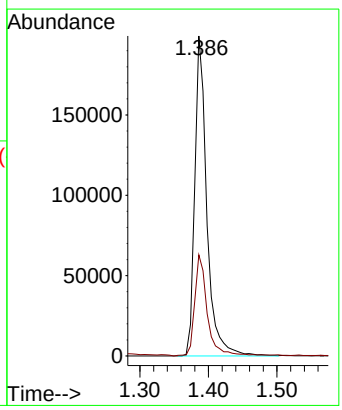
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

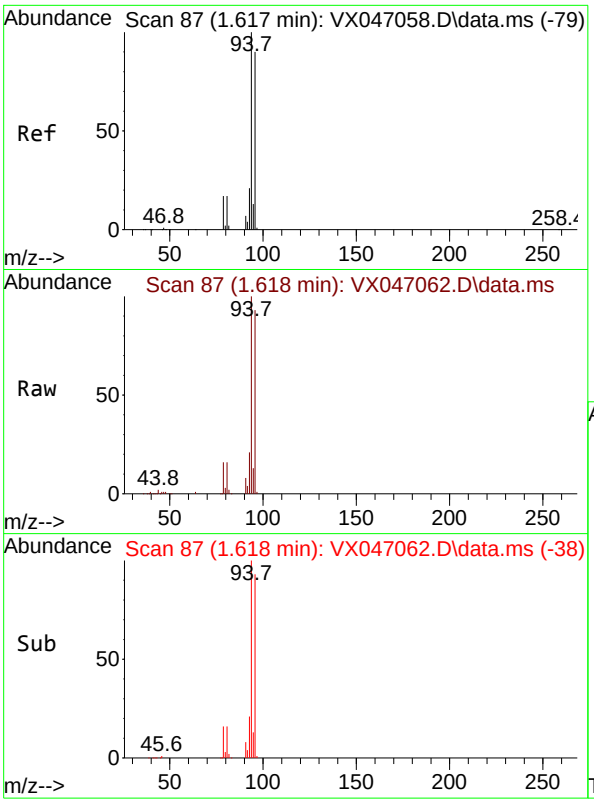


#4
Vinyl Chloride
Concen: 48.838 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 62 Resp: 244133

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.2	37.8





#5
Bromomethane
Concen: 56.435 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

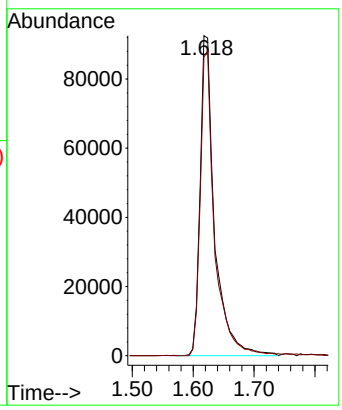
Tgt Ion: 94 Resp: 15324

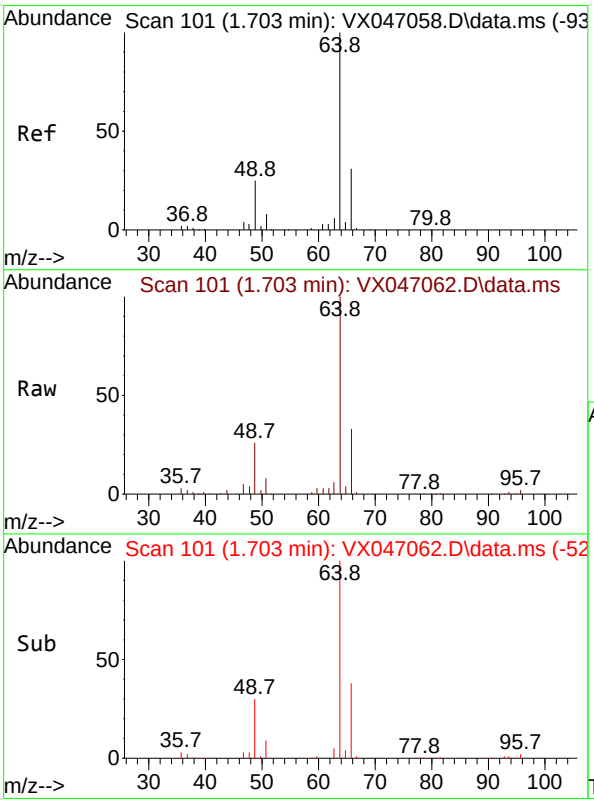
Ion	Ratio	Lower	Upper
94	100		
96	93.3	72.3	108.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

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

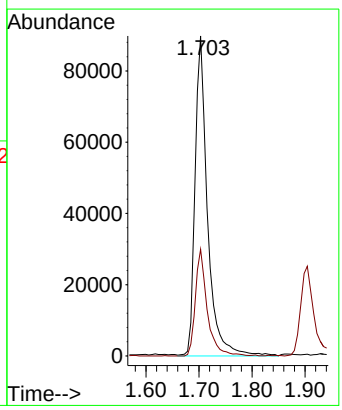


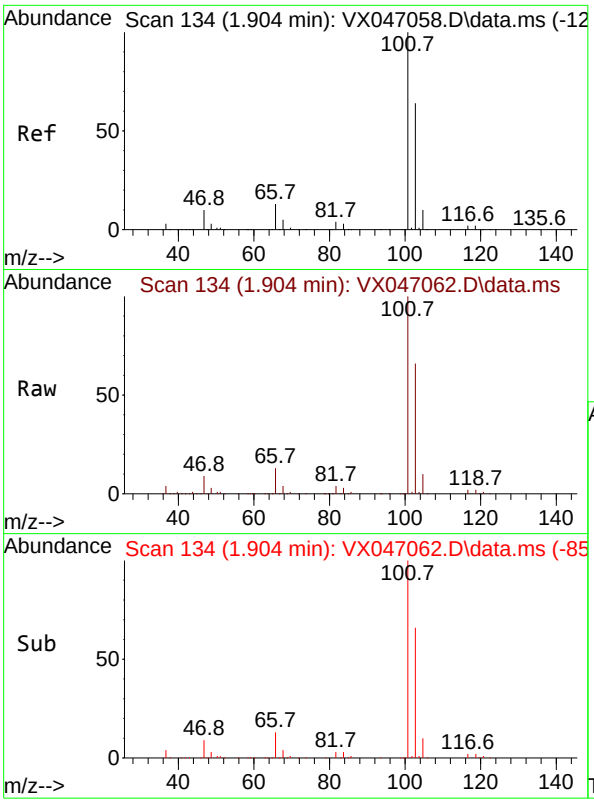


#6
Chloroethane
Concen: 44.676 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 64 Resp: 146679

Ion	Ratio	Lower	Upper
64	100		
66	33.3	25.0	37.6

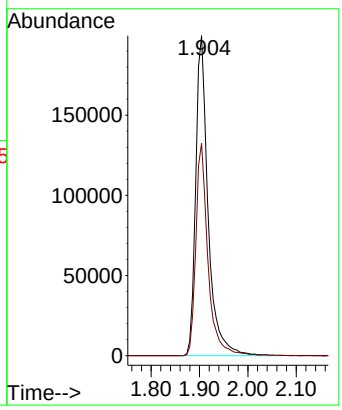




#7
Trichlorofluoromethane
Concen: 47.552 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:101 Resp: 35444

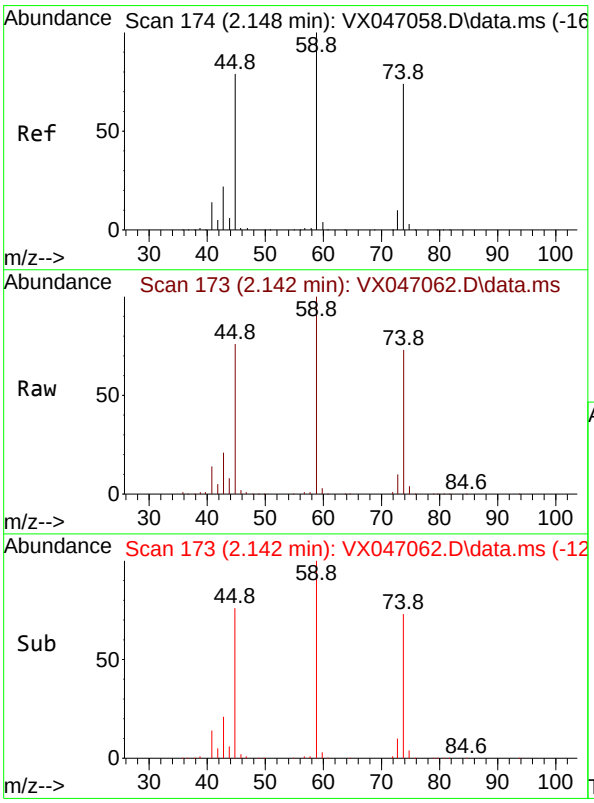
Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

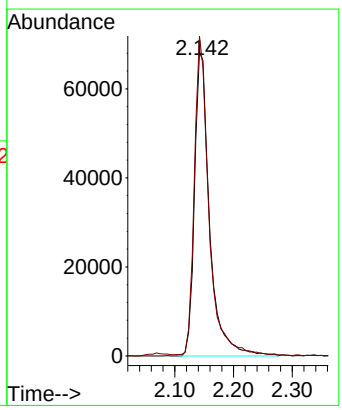
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

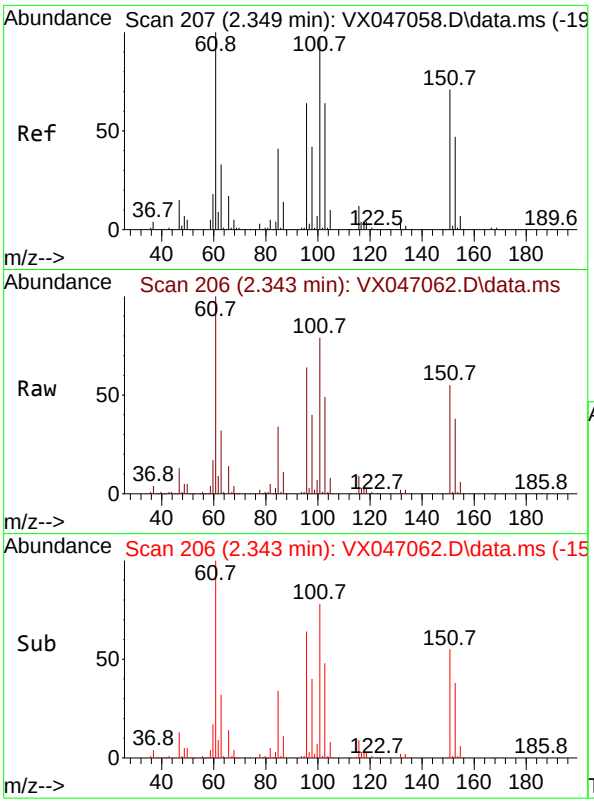


#8
Diethyl Ether
Concen: 46.477 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 74 Resp: 122150

Ion	Ratio	Lower	Upper
74	100		
45	101.7	53.0	159.0

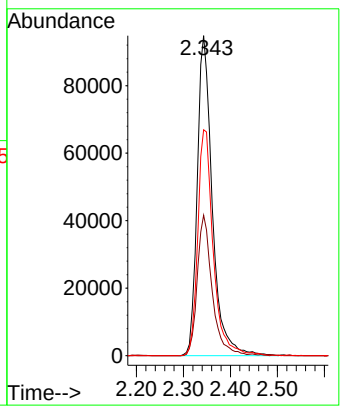




#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.104 ug/l
RT: 2.343 min Scan# 2(
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:101 Resp: 21153(

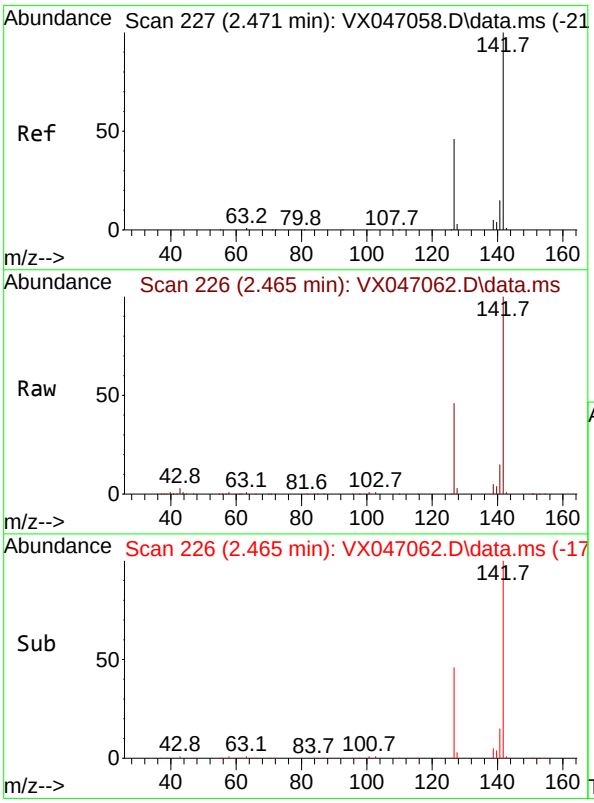
Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.4	53.0
151	72.8	59.2	88.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

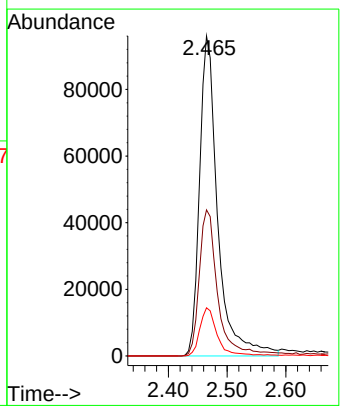
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

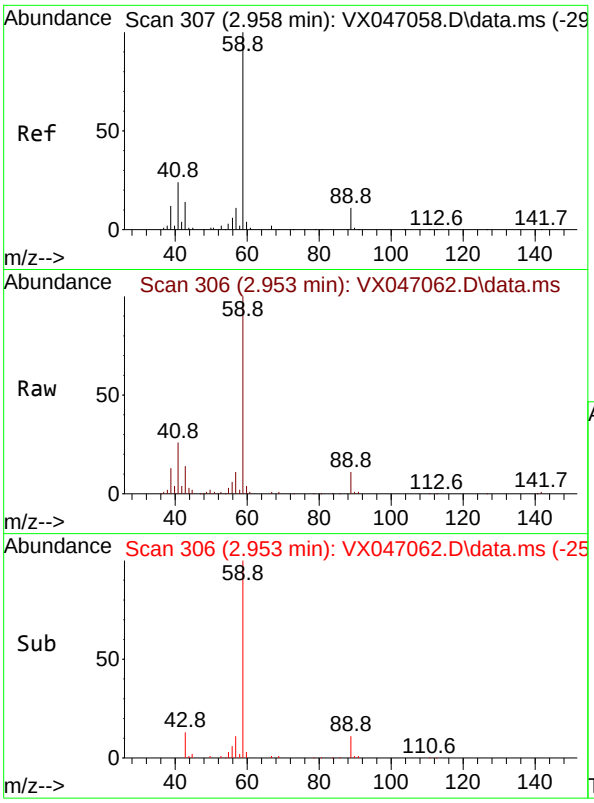


#10
Methyl Iodide
Concen: 45.047 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:142 Resp: 206176

Ion	Ratio	Lower	Upper
142	100		
127	47.4	36.6	54.8
141	14.6	10.9	16.3

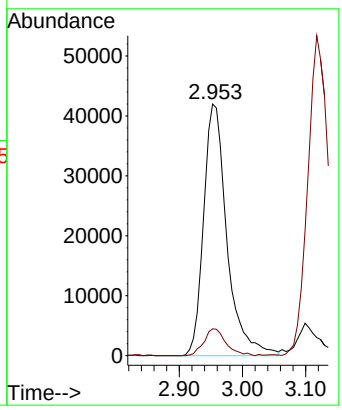




#11
Tert butyl alcohol
Concen: 207.194 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.005 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 59 Resp: 10769

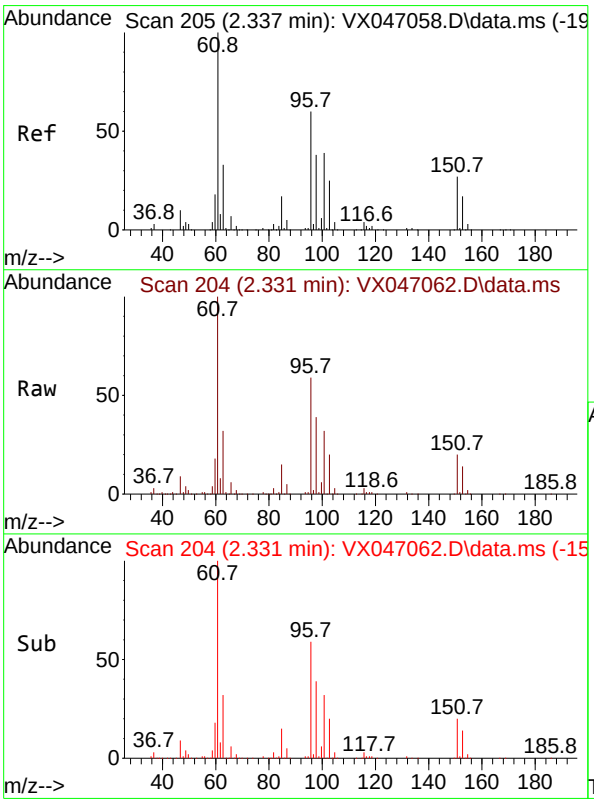
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

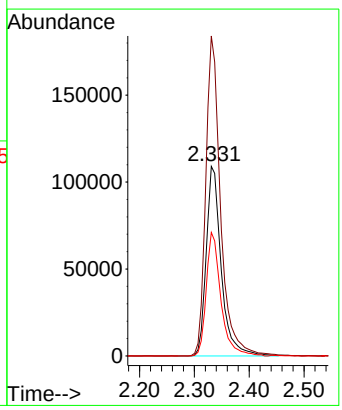
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

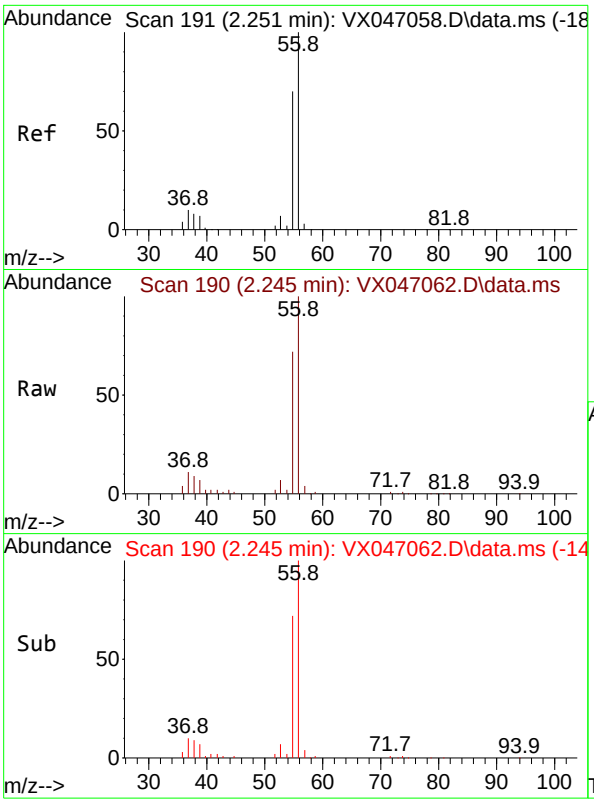


#12
1,1-Dichloroethene
Concen: 46.555 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 96 Resp: 207074

Ion	Ratio	Lower	Upper
96	100		
61	168.8	132.6	198.8
98	65.2	50.2	75.4

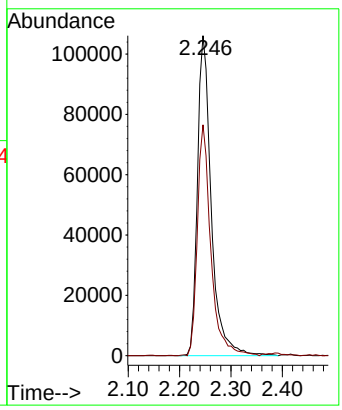




#13
Acrolein
Concen: 208.477 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 56 Resp: 19790

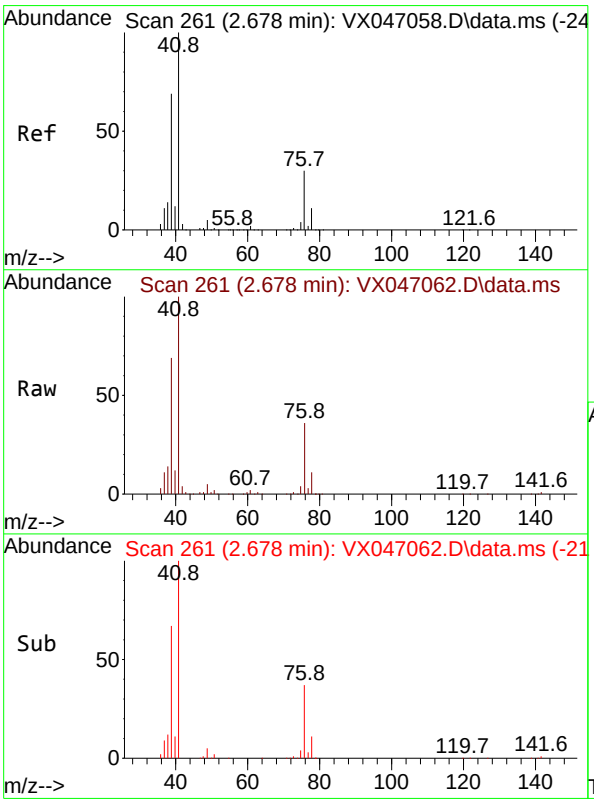
Ion	Ratio	Lower	Upper
56	100		
55	70.5	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

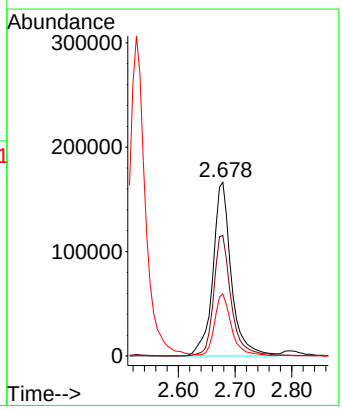
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

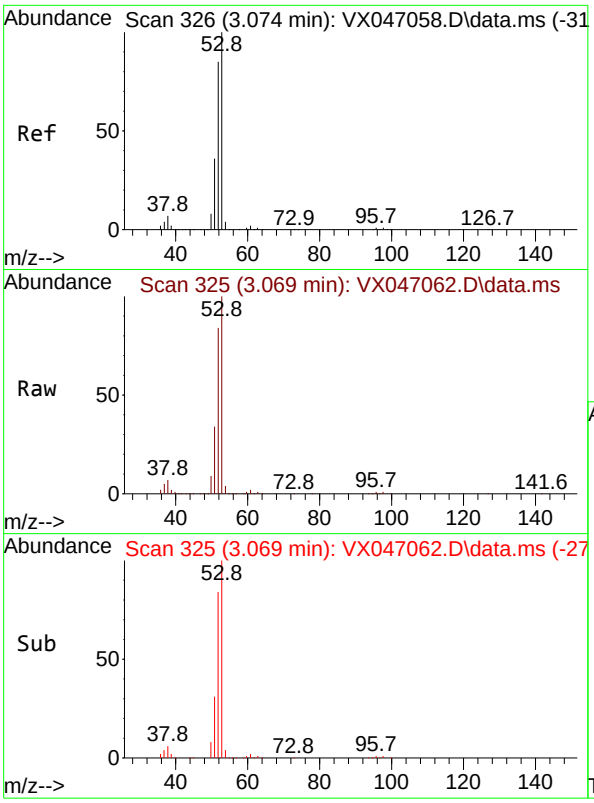


#14
Allyl chloride
Concen: 46.743 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 41 Resp: 375824

Ion	Ratio	Lower	Upper
41	100		
39	66.4	52.6	78.8
76	32.7	25.7	38.5

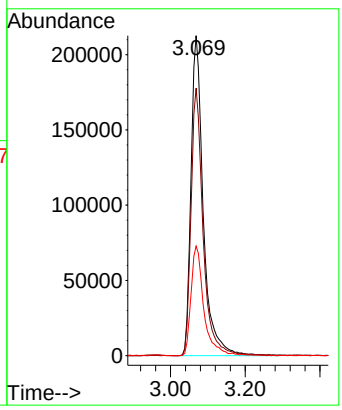




#15
Acrylonitrile
Concen: 230.845 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 53 Resp: 48540

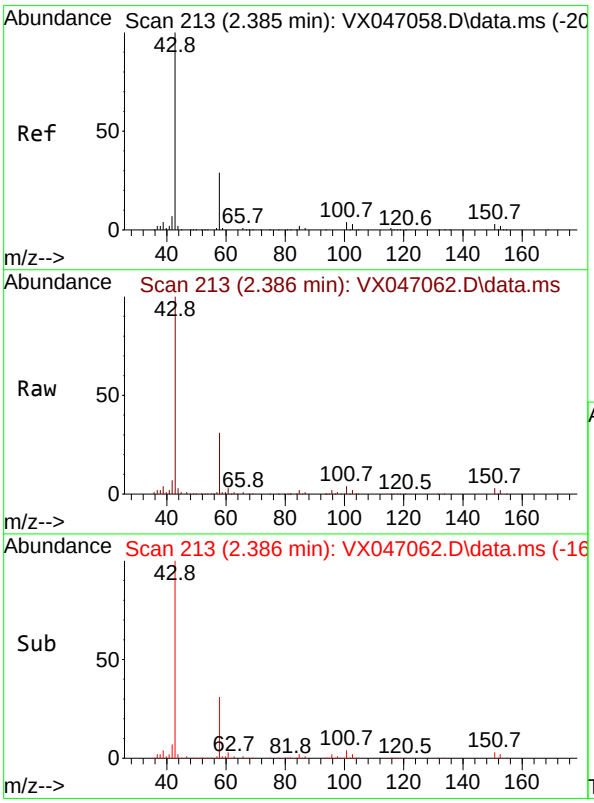
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	36.0	28.8	43.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

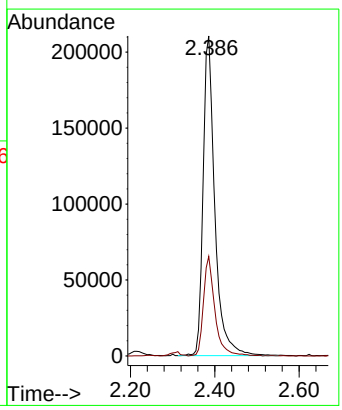
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

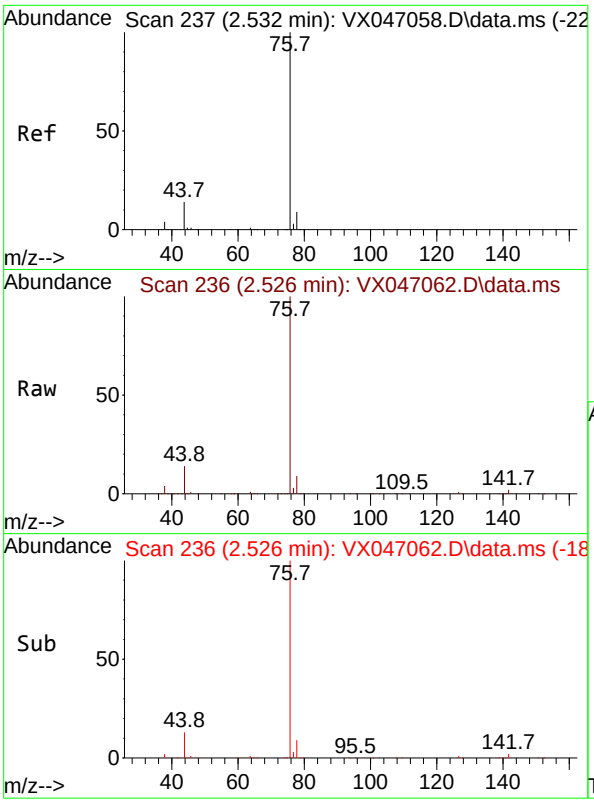


#16
Acetone
Concen: 230.823 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 43 Resp: 407681

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.0	36.0





#17
Carbon Disulfide
Concen: 45.742 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

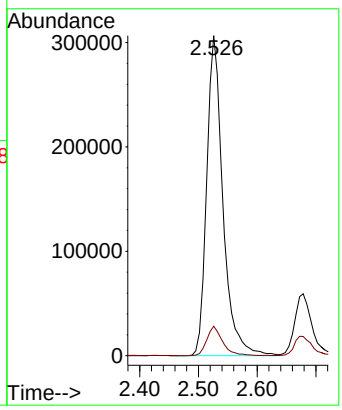
Tgt Ion: 76 Resp: 58859

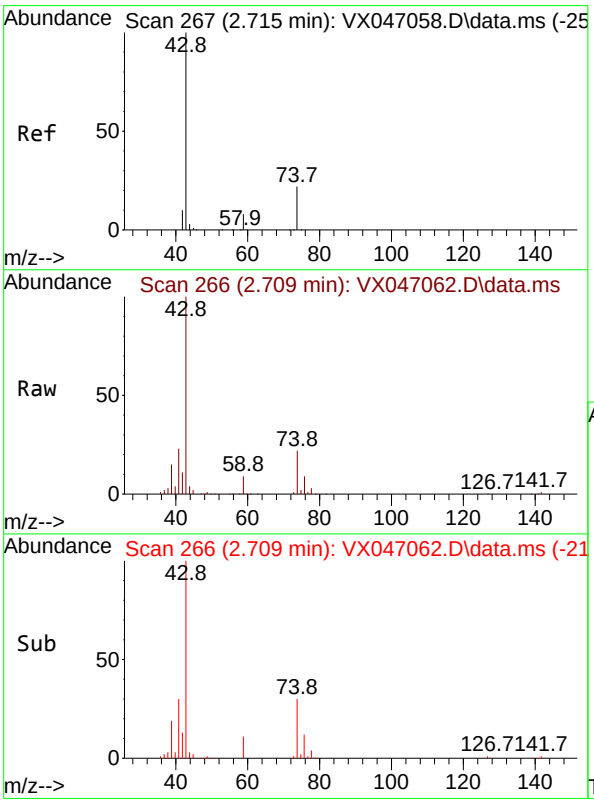
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

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

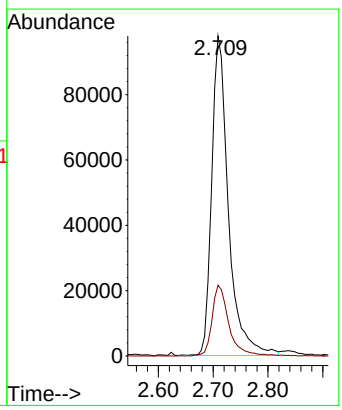


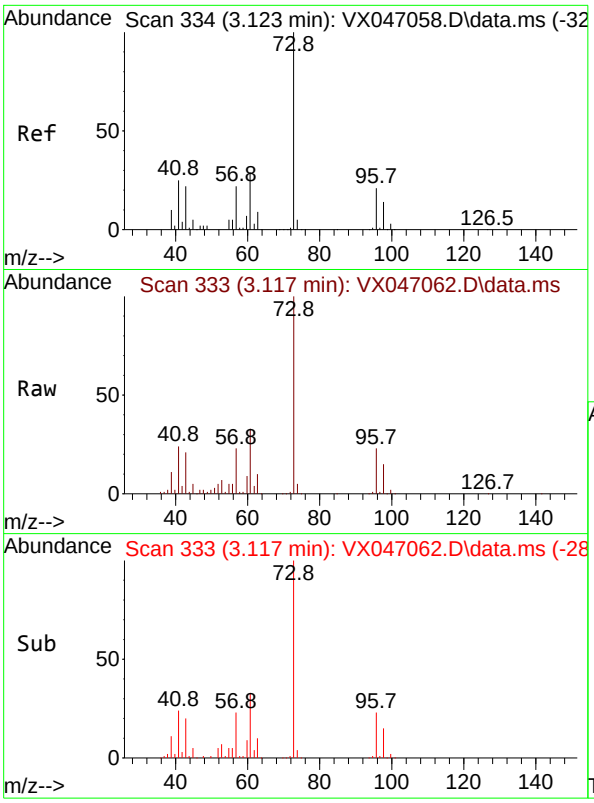


#18
Methyl Acetate
Concen: 44.045 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 43 Resp: 206733

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.7	26.5

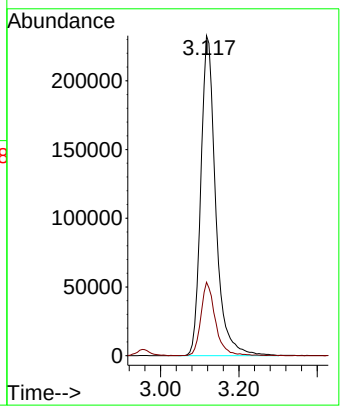




#19
Methyl tert-butyl Ether
Concen: 45.291 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 73 Resp: 61309

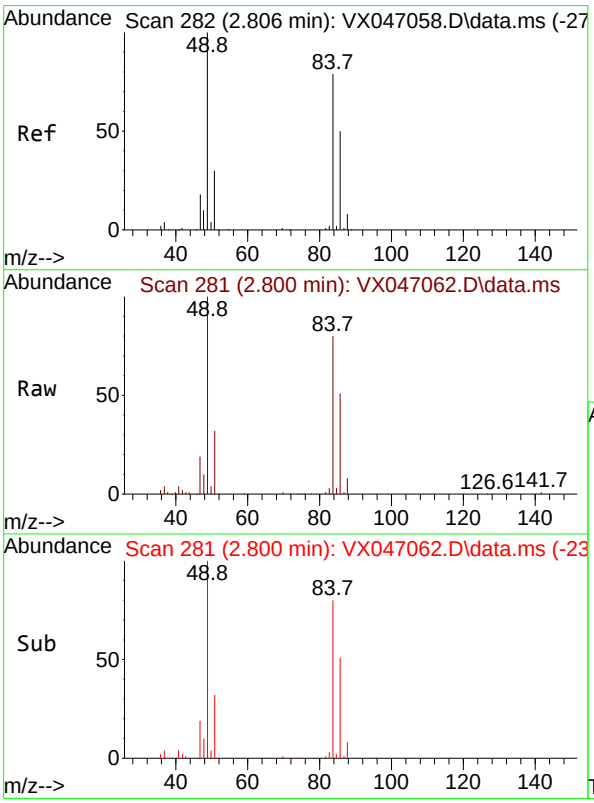
Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

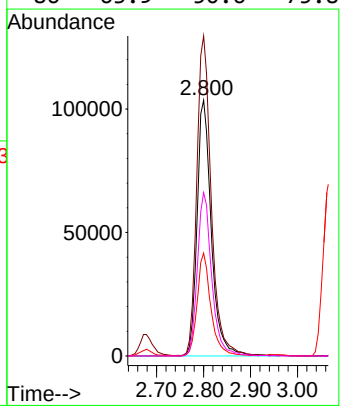
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

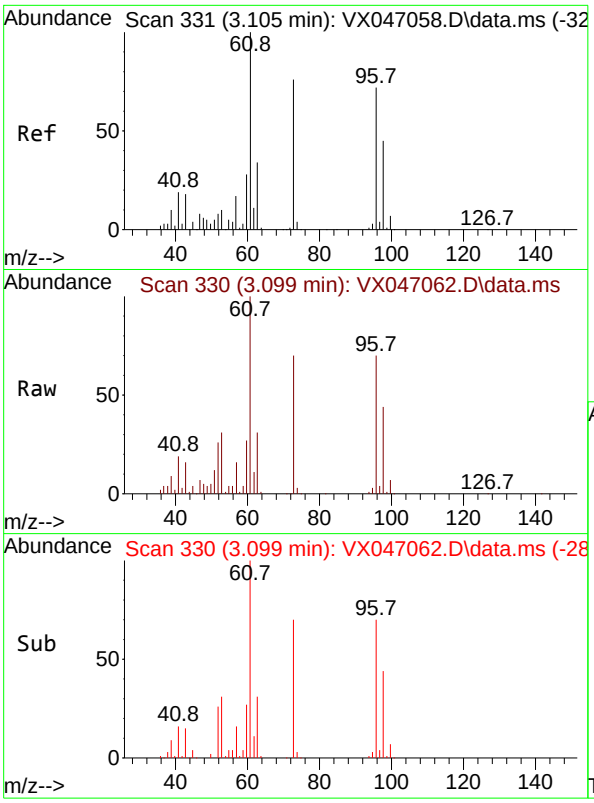


#20
Methylene Chloride
Concen: 45.041 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 84 Resp: 218853

Ion	Ratio	Lower	Upper
84	100		
49	124.9	101.6	152.4
51	40.2	30.3	45.5
86	63.9	50.6	75.8

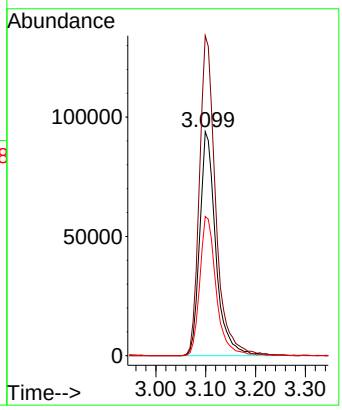




#21
trans-1,2-Dichloroethene
Concen: 46.188 ug/l
RT: 3.099 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 96 Resp: 21022

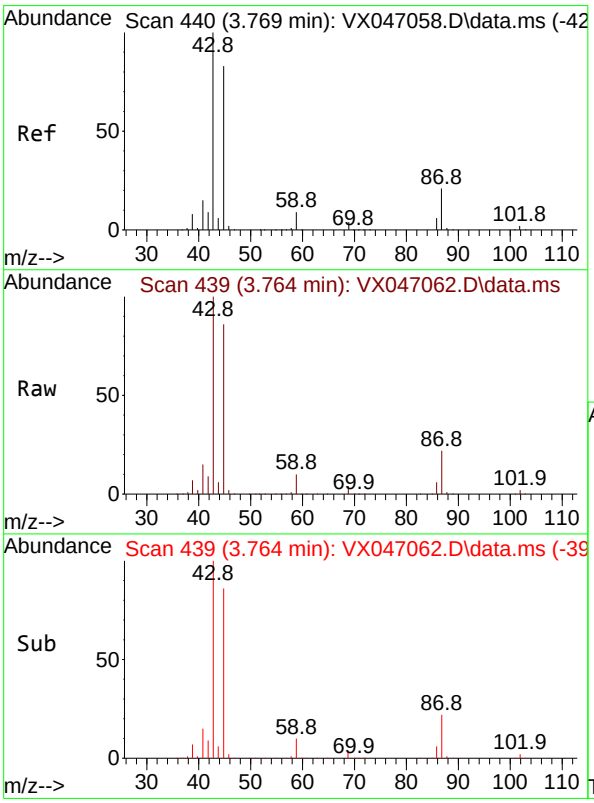
Ion	Ratio	Lower	Upper
96	100		
61	142.8	111.1	166.7
98	62.1	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

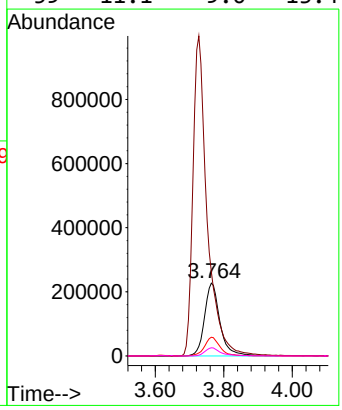
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

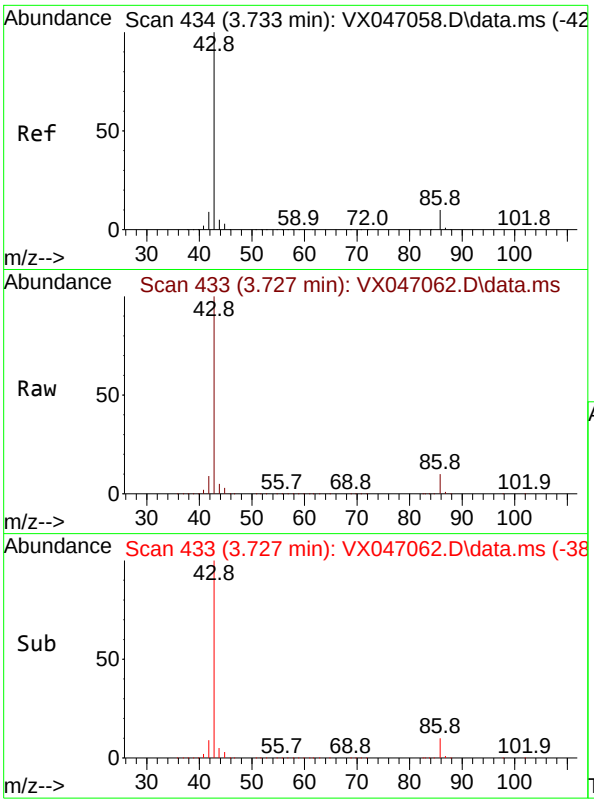


#22
Diisopropyl ether
Concen: 46.119 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 45 Resp: 712919

Ion	Ratio	Lower	Upper
45	100		
43	115.6	96.8	145.2
87	25.8	20.5	30.7
59	11.1	9.0	13.4





#23
Vinyl Acetate
Concen: 233.940 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

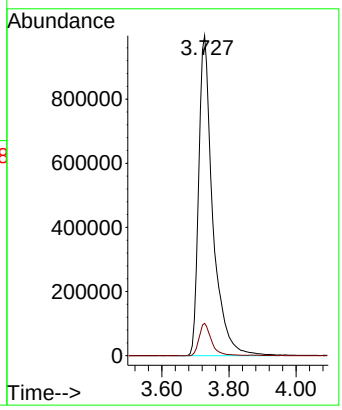
Tgt Ion: 43 Resp: 290048

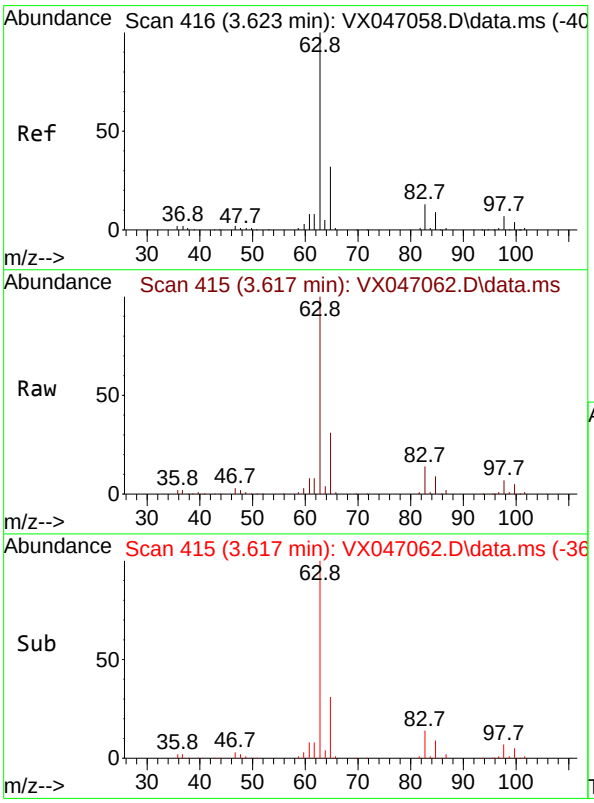
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

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

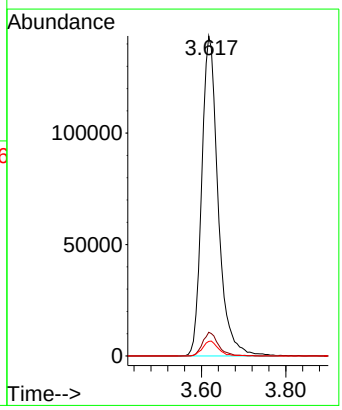


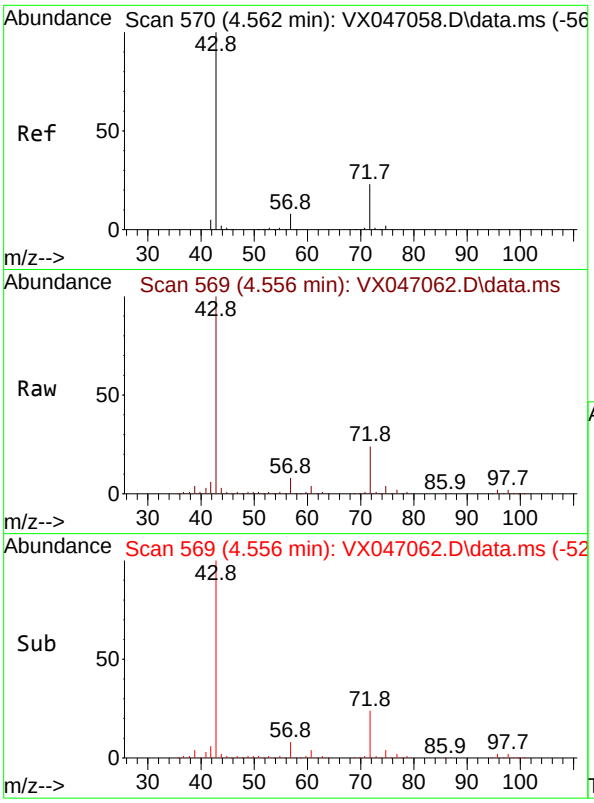


#24
1,1-Dichloroethane
Concen: 45.165 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 63 Resp: 388232

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.5	2.3	6.8





#25
2-Butanone
Concen: 218.892 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

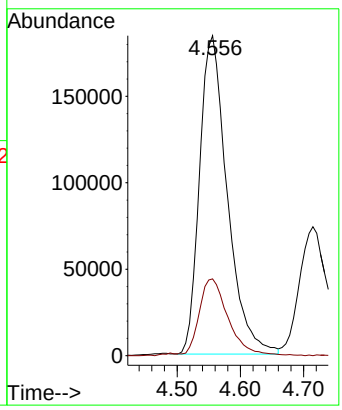
Tgt Ion: 43 Resp: 56293

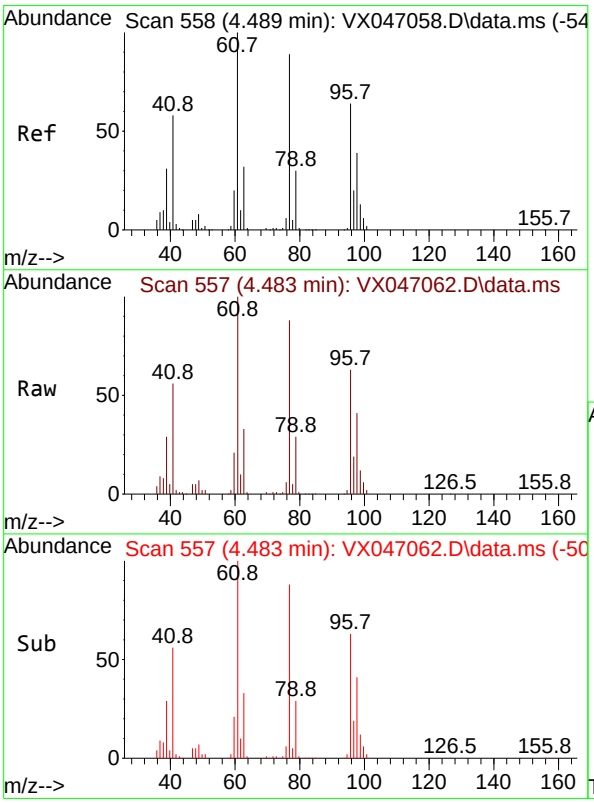
Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

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

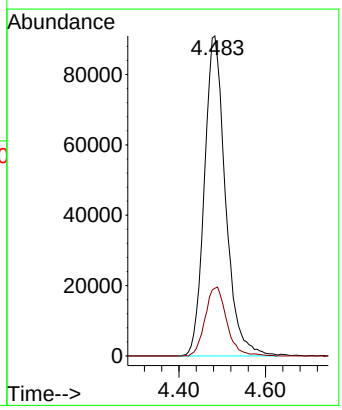


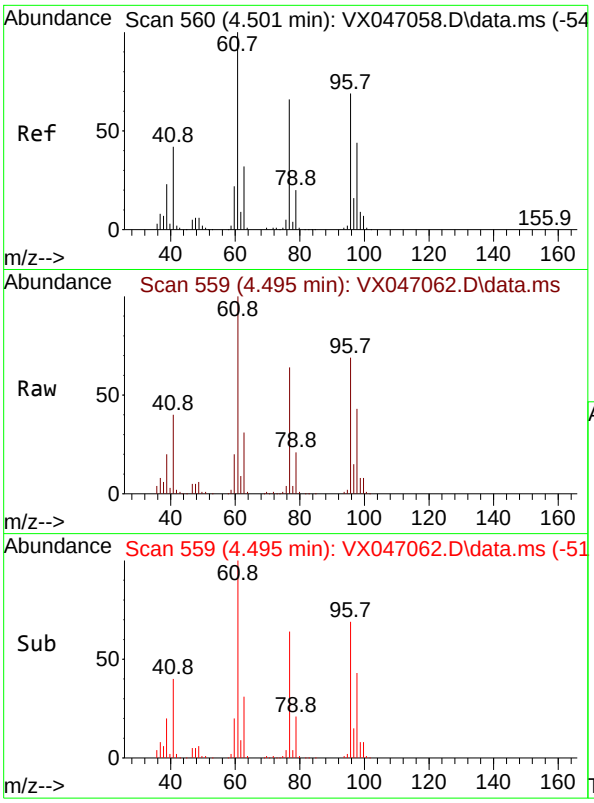


#26
2,2-Dichloropropane
Concen: 46.290 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 77 Resp: 308018

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.4	34.1

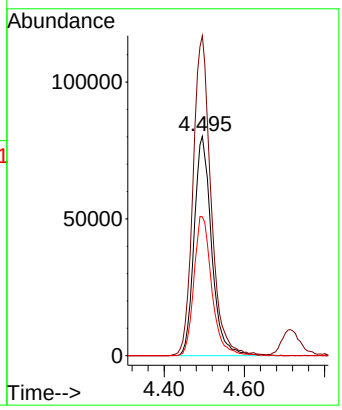




#27
cis-1,2-Dichloroethene
Concen: 44.906 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 96 Resp: 24203

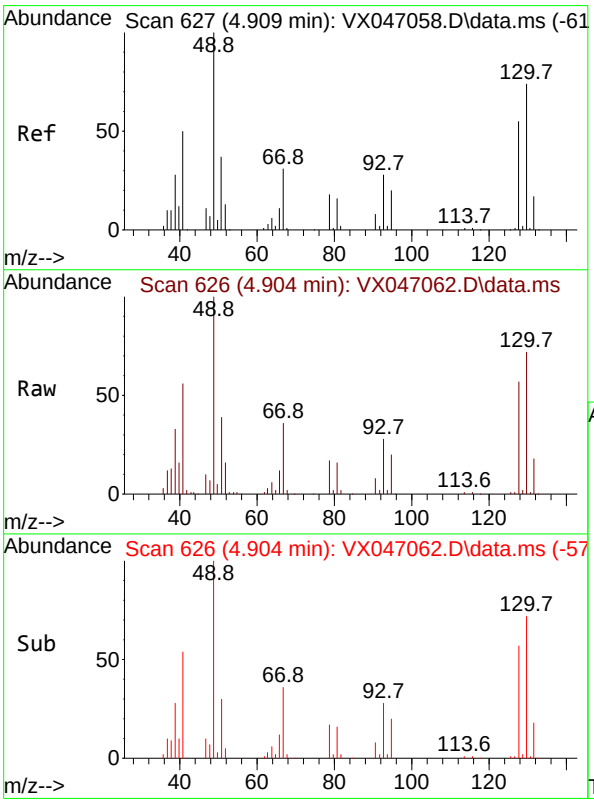
Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	298.6
98	64.8	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

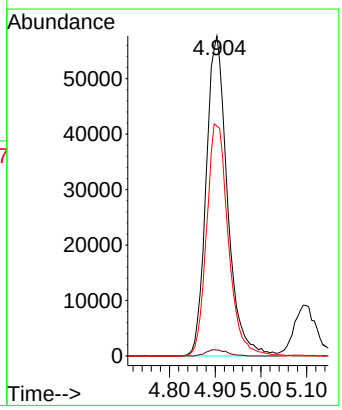
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

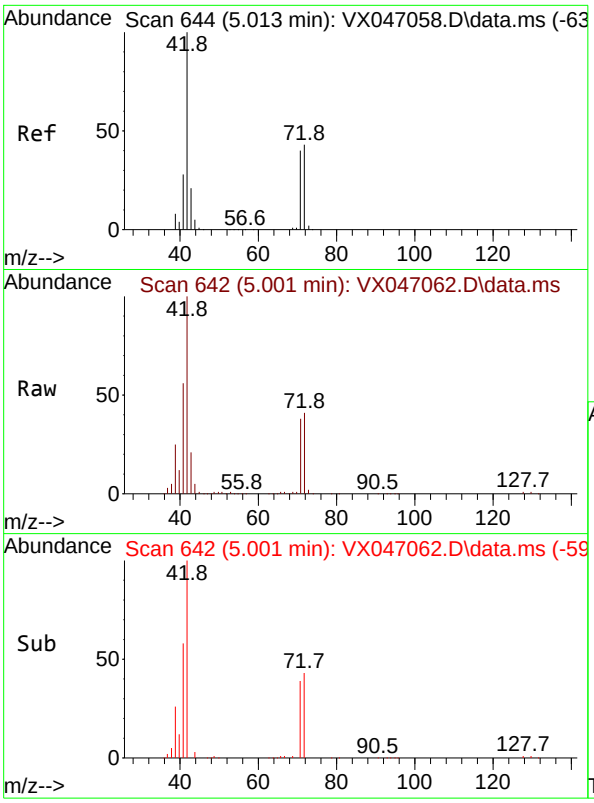


#28
Bromochloromethane
Concen: 47.168 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 49 Resp: 186533

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.9	59.0	88.4

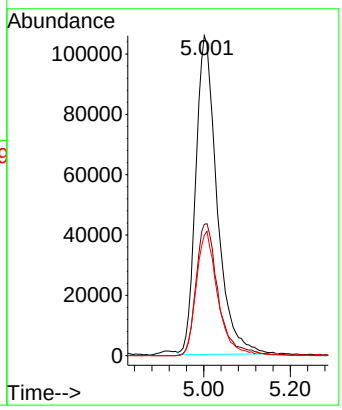




#29
Tetrahydrofuran
Concen: 217.460 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 42 Resp: 36083

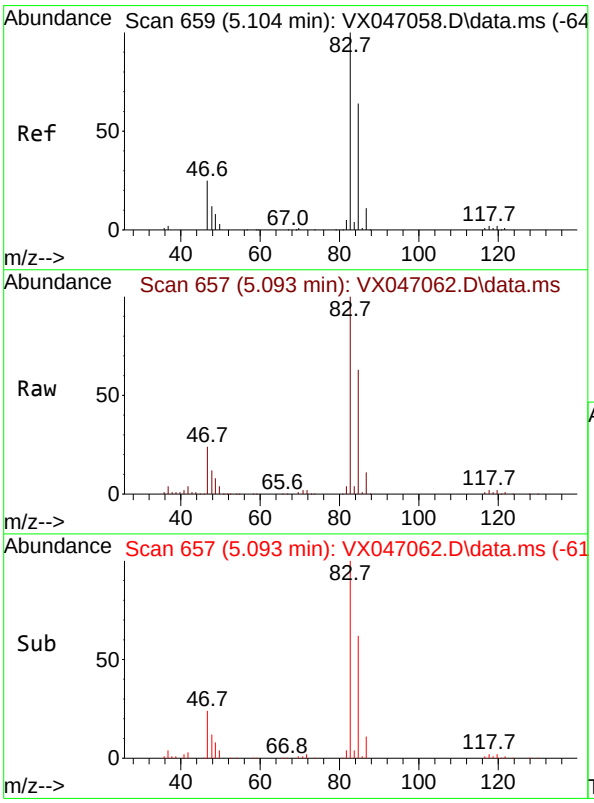
Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.7	50.5
71	39.5	31.0	46.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

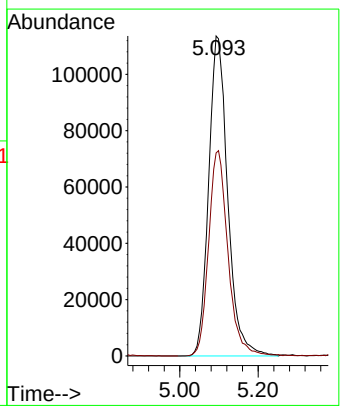
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

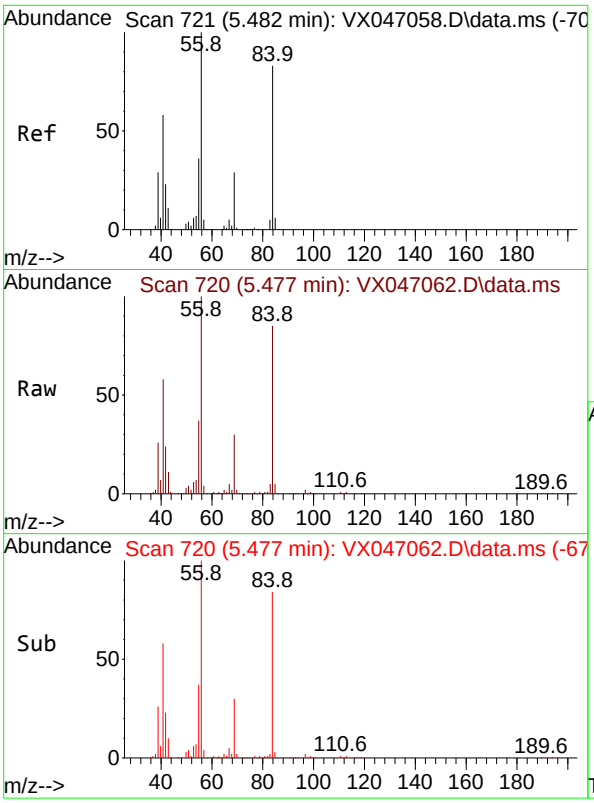


#30
Chloroform
Concen: 43.731 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 83 Resp: 382651

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.9	76.3

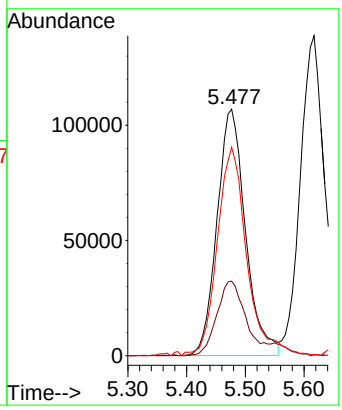




#31
Cyclohexane
Concen: 43.618 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 56 Resp: 35950

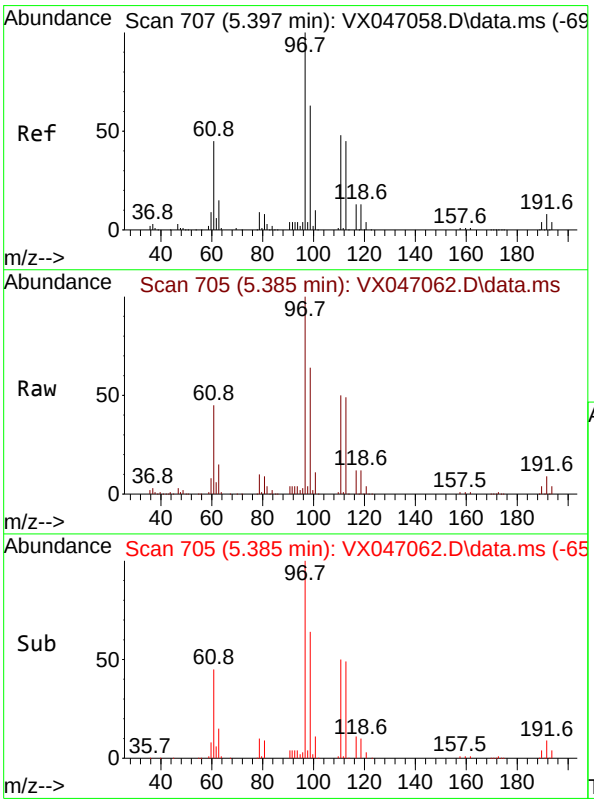
Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.3	34.9
84	82.9	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

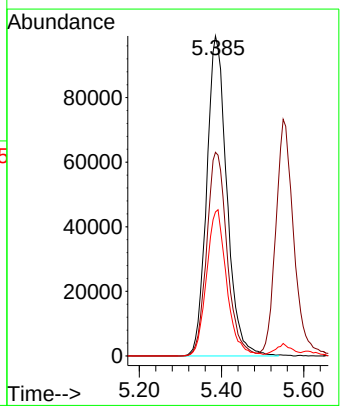
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

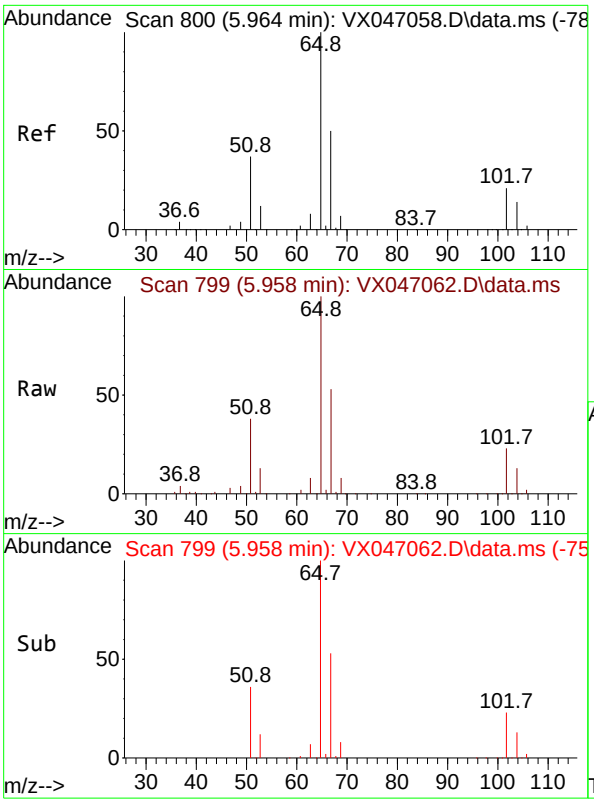


#32
1,1,1-Trichloroethane
Concen: 44.331 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 97 Resp: 336918

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	45.8	37.1	55.7

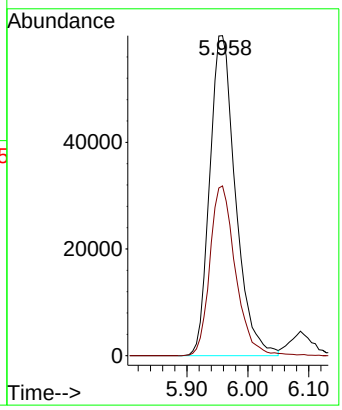




#33
1,2-Dichloroethane-d4
Concen: 40.022 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 65 Resp: 17645

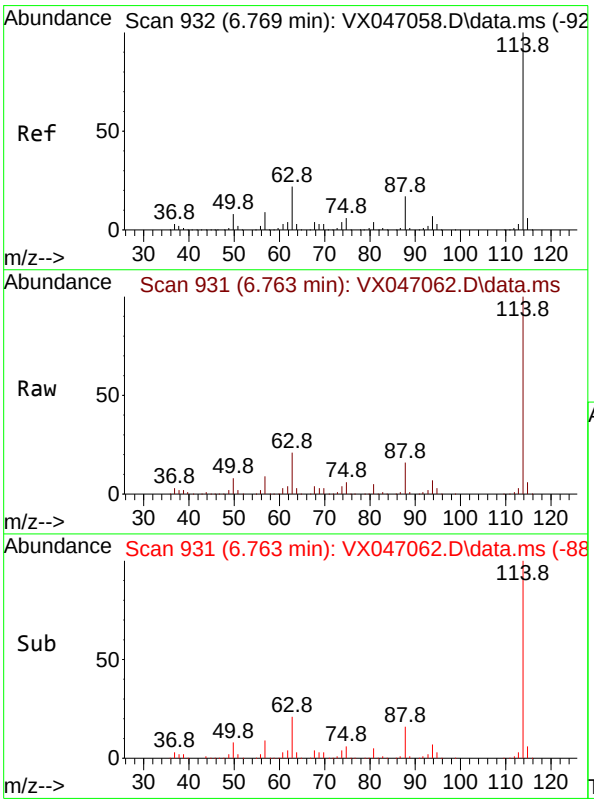
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

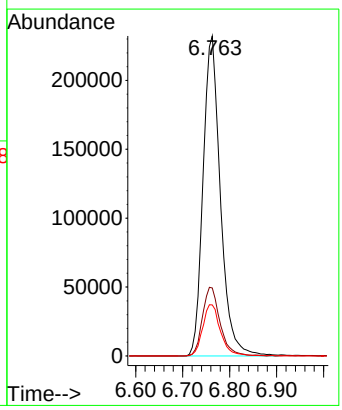
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

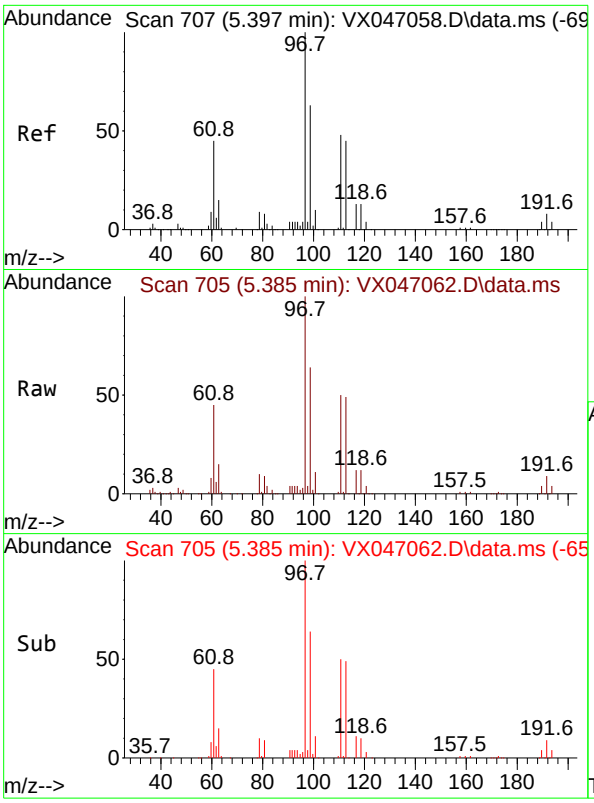


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:114 Resp: 594788

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.2
88	15.9	0.0	33.8

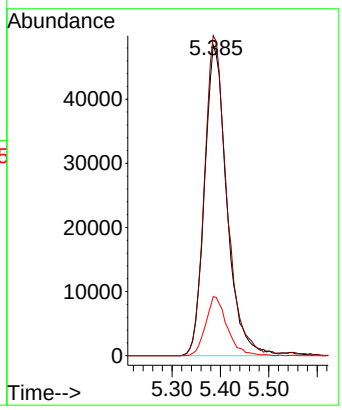




#35
Dibromofluoromethane
Concen: 42.247 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:113 Resp: 15515

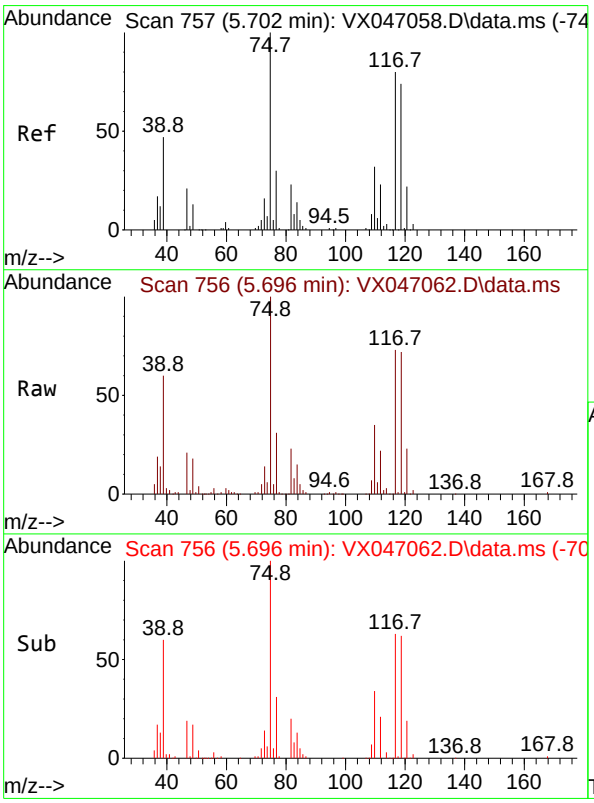
Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	124.0
192	18.3	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

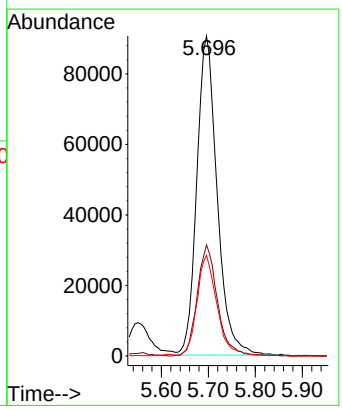
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

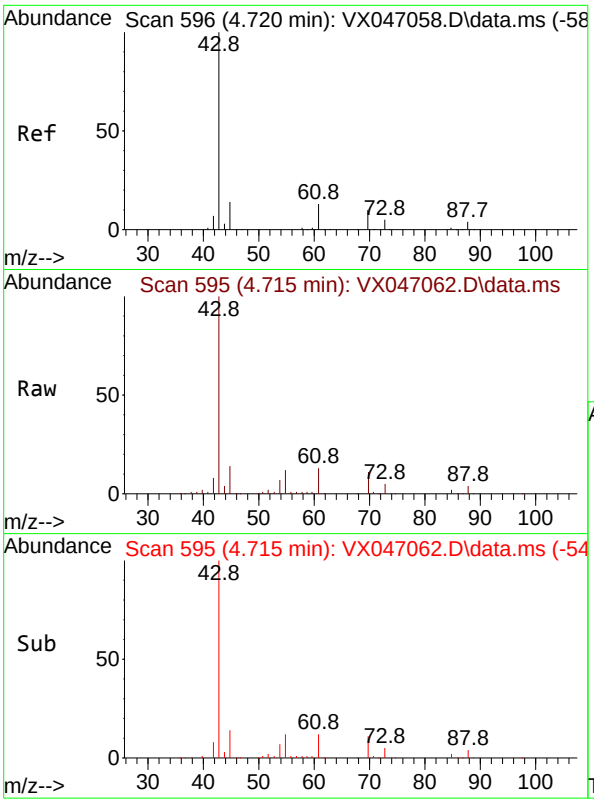


#36
1,1-Dichloropropene
Concen: 43.463 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 75 Resp: 272074

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.2	51.5
77	30.6	25.1	37.7

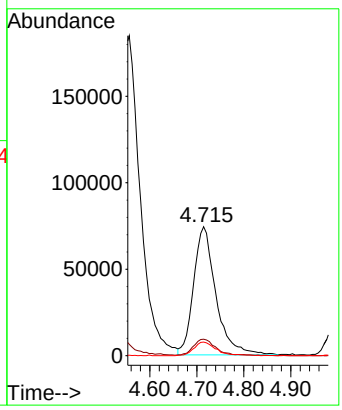




#37
Ethyl Acetate
Concen: 42.381 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 43 Resp: 24446

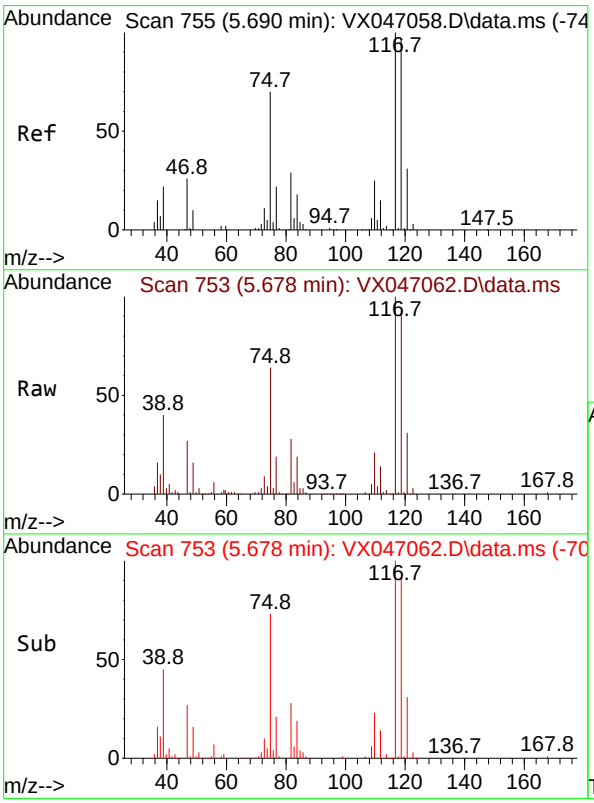
Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.2	15.2
70	10.7	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

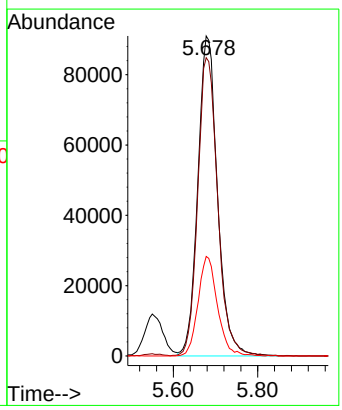
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

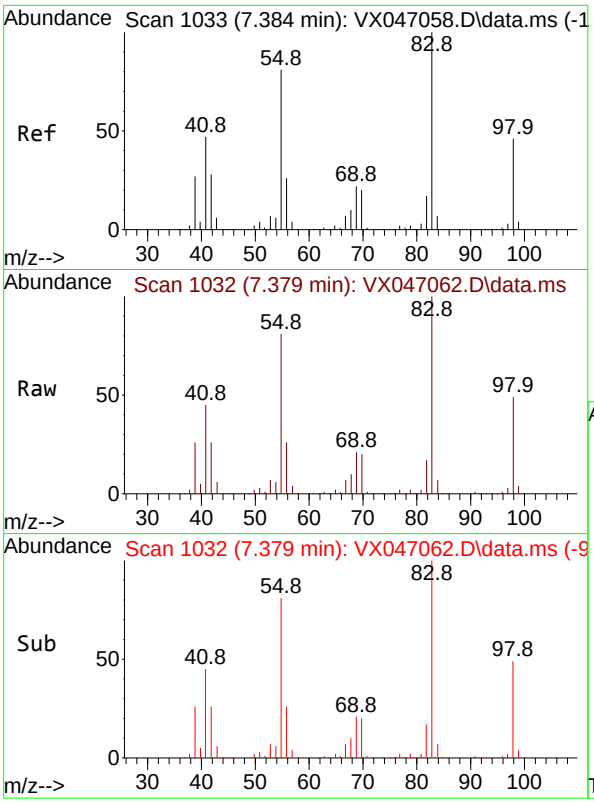


#38
Carbon Tetrachloride
Concen: 44.259 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:117 Resp: 295708

Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.6	115.0
121	31.1	24.4	36.6

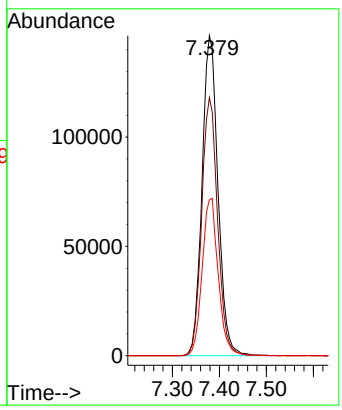




#39
Methylcyclohexane
Concen: 44.136 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 83 Resp: 34496

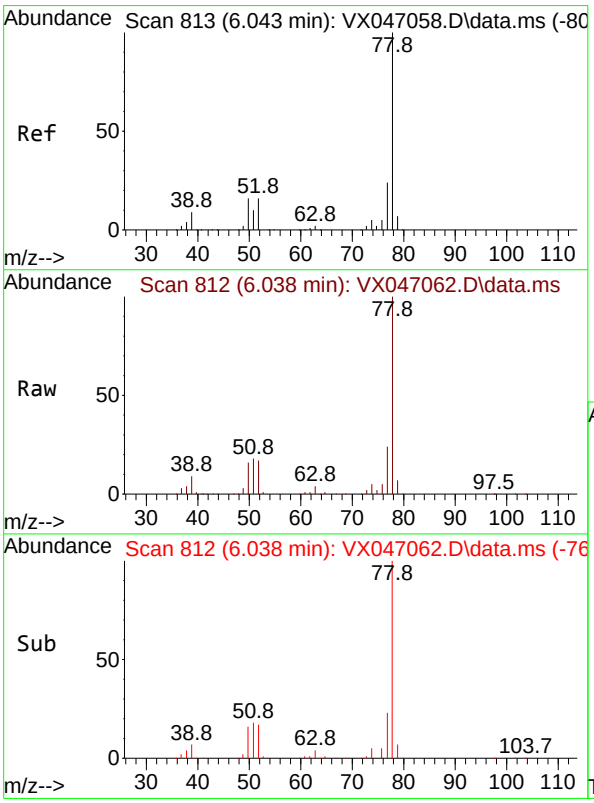
Ion	Ratio	Lower	Upper
83	100		
55	80.7	64.5	96.7
98	48.7	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

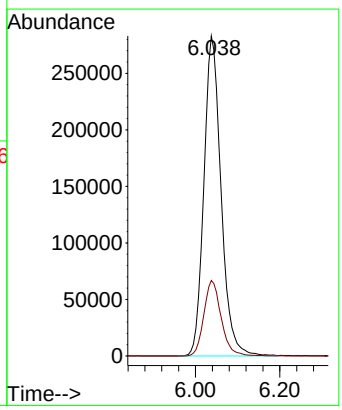
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

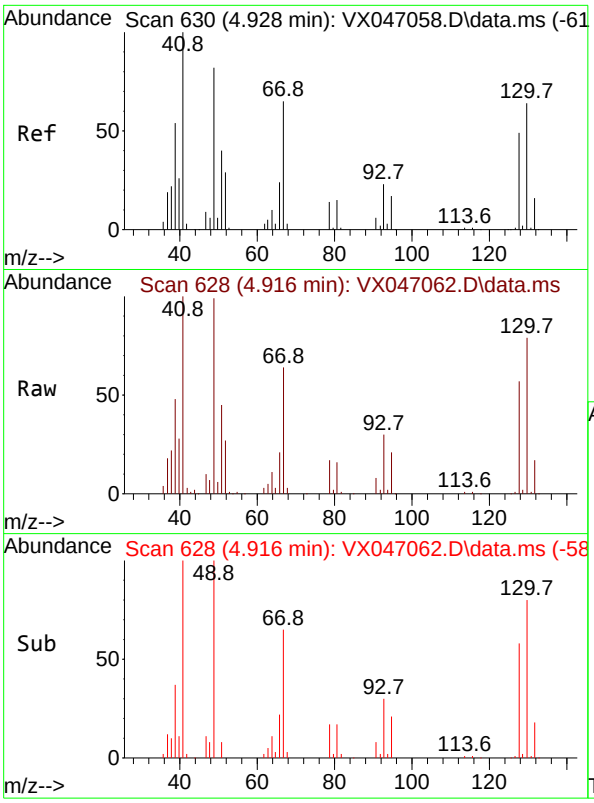


#40
Benzene
Concen: 44.304 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 78 Resp: 802625

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4

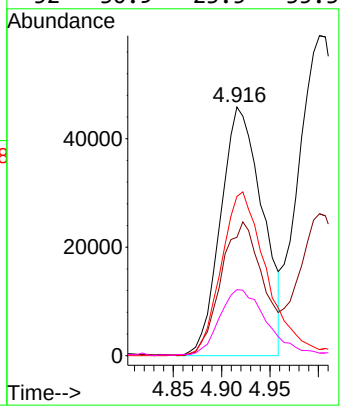




#41
Methacrylonitrile
Concen: 45.816 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 41 Resp: 13818

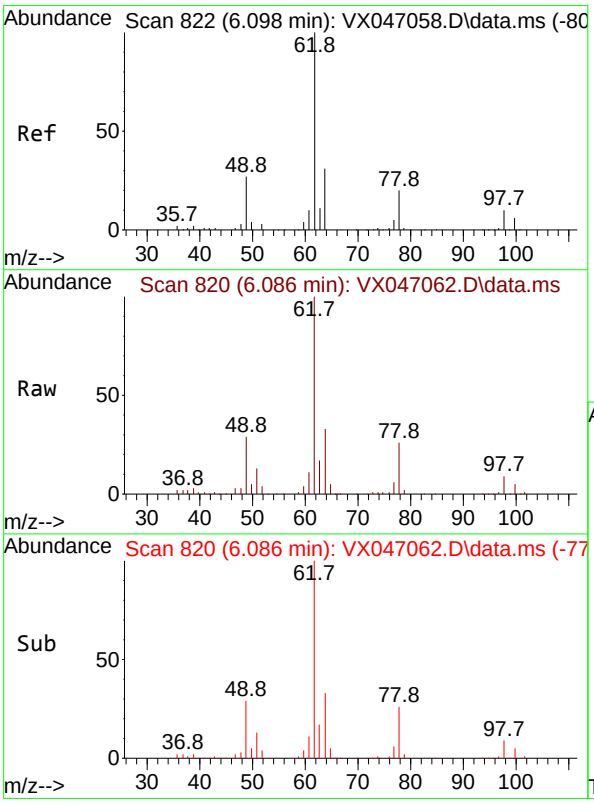
Ion	Ratio	Lower	Upper
41	100		
39	53.7	44.2	66.2
67	73.0	56.4	84.6
52	30.9	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

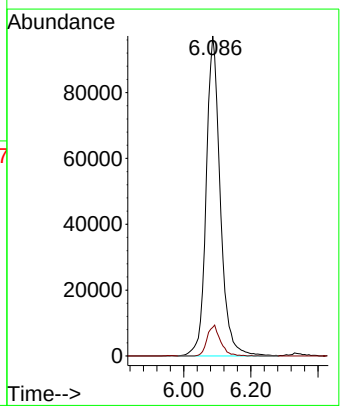
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

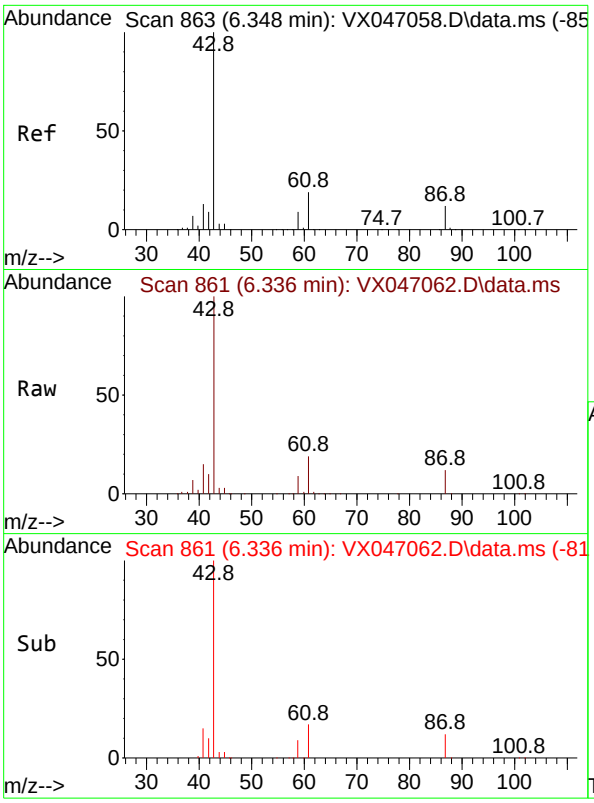


#42
1,2-Dichloroethane
Concen: 44.378 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 62 Resp: 283205

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8





#43
Isopropyl Acetate
Concen: 45.564 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

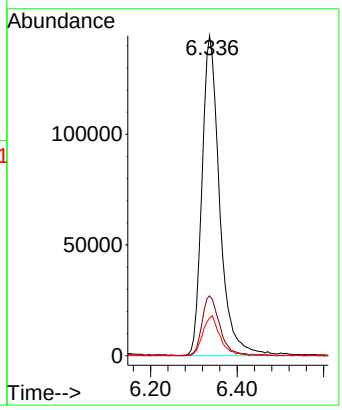
Tgt Ion: 43 Resp: 40973

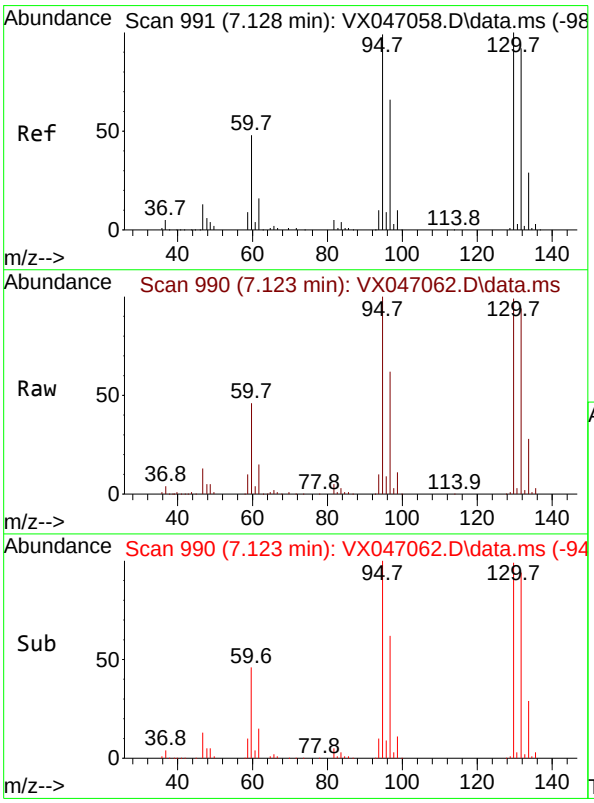
Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.1	22.7
87	12.3	9.7	14.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

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

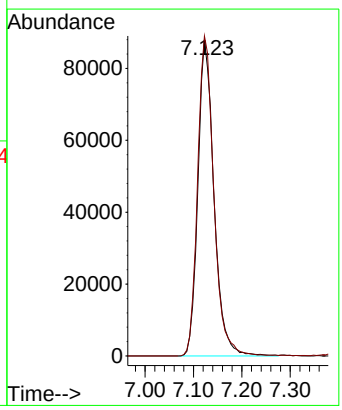


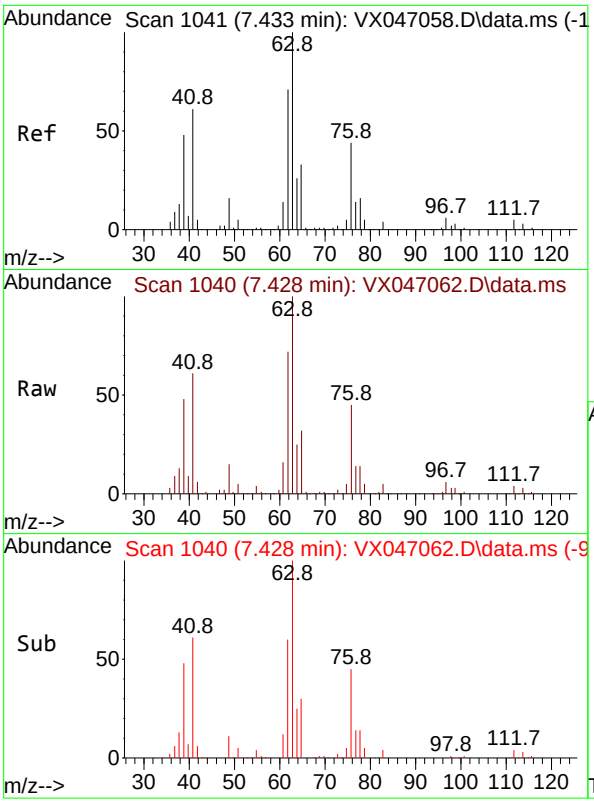


#44
Trichloroethene
Concen: 43.658 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:130 Resp: 202817

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	198.6

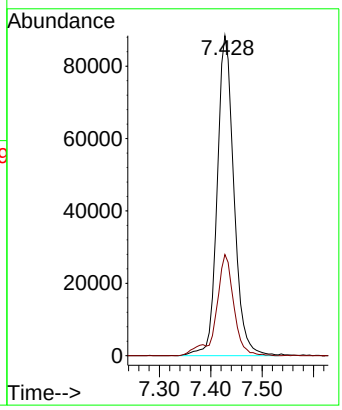




#45
1,2-Dichloropropane
Concen: 44.093 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 63 Resp: 20006

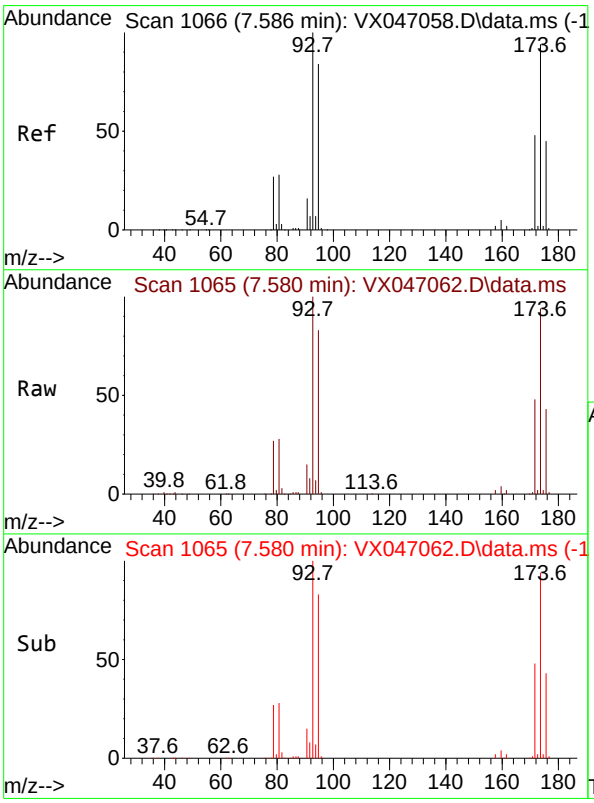
Ion	Ratio	Lower	Upper
63	100		
65	31.6	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

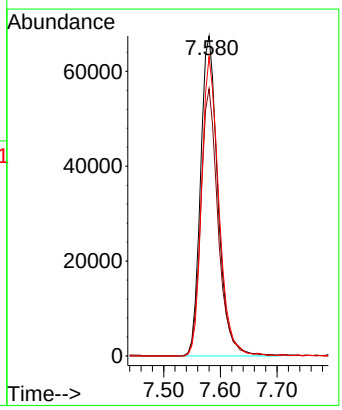
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

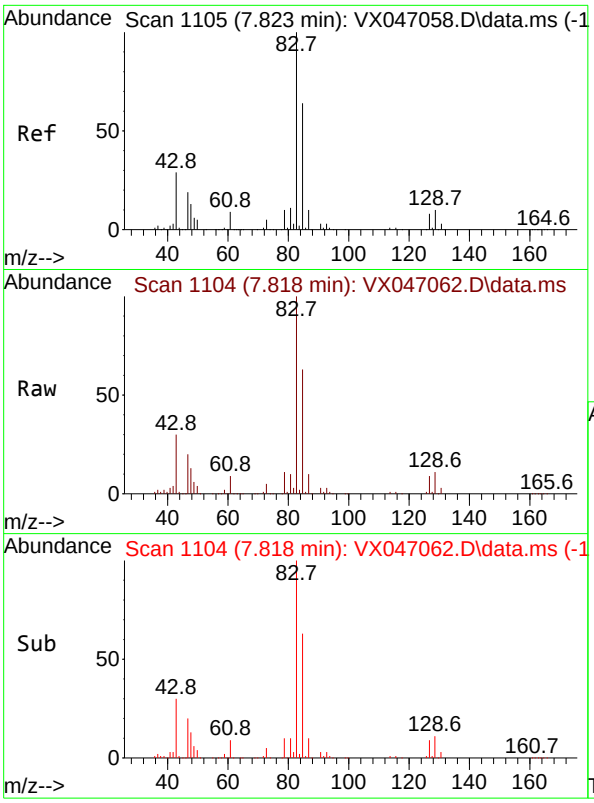


#46
Dibromomethane
Concen: 45.121 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 93 Resp: 143569

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.9	98.9
174	92.1	74.6	112.0

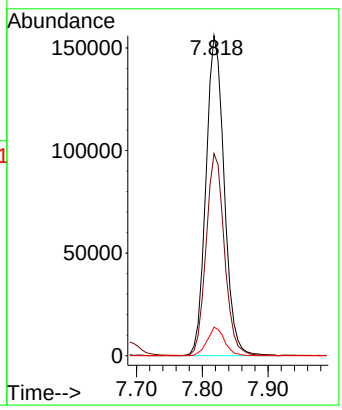




#47
Bromodichloromethane
Concen: 44.463 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 83 Resp: 30113

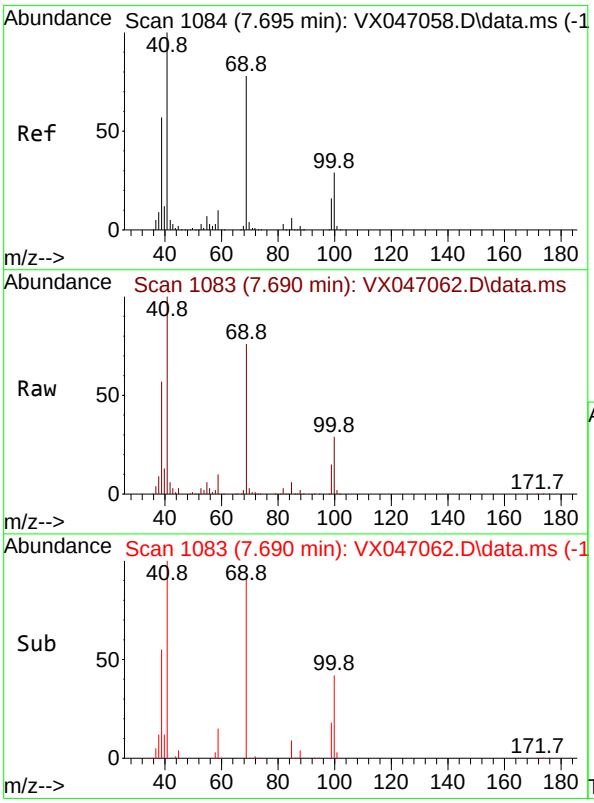
Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.9	74.9
127	8.9	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

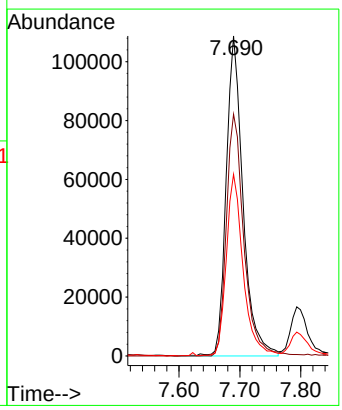
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

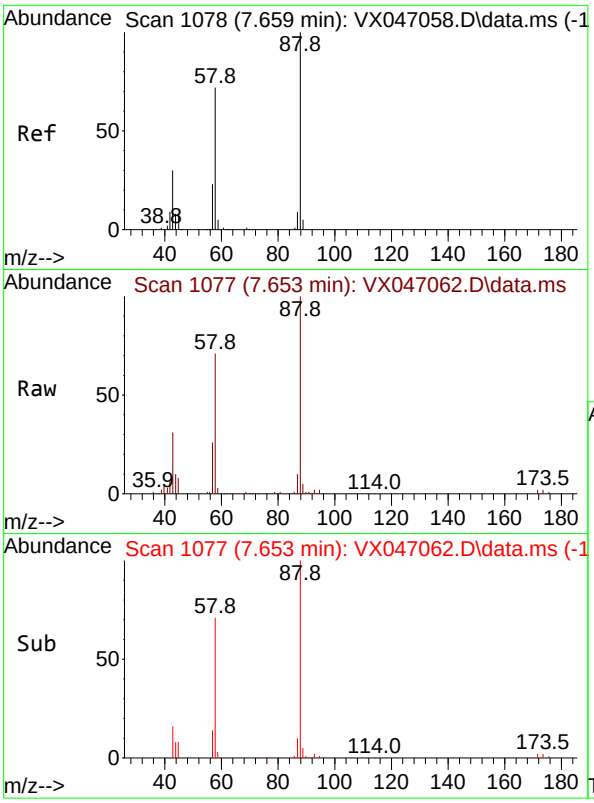


#48
Methyl methacrylate
Concen: 42.505 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 41 Resp: 208228

Ion	Ratio	Lower	Upper
41	100		
69	78.4	62.3	93.5
39	56.5	44.8	67.2

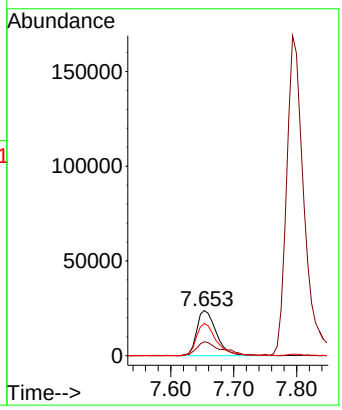




#49
1,4-Dioxane
Concen: 916.760 ug/l m
RT: 7.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 88 Resp: 5108

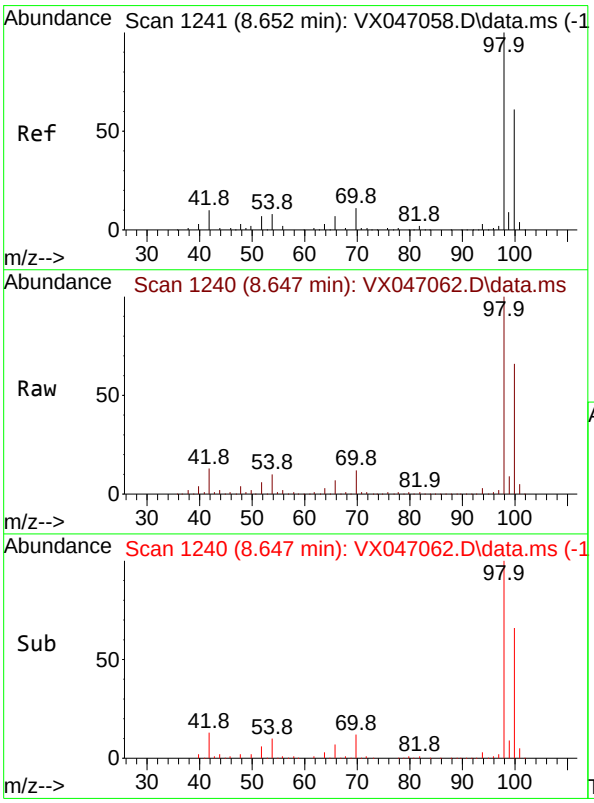
Ion	Ratio	Lower	Upper
88	100		
43	40.2	33.6	50.4
58	73.3	58.8	88.2



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

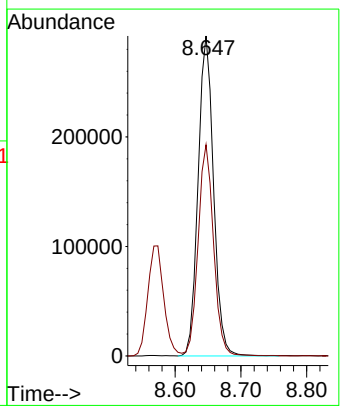
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

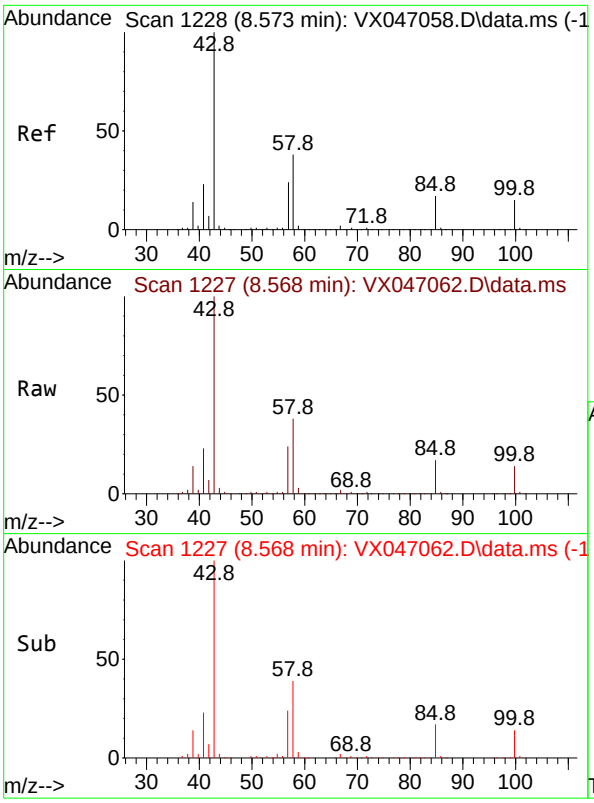


#50
Toluene-d8
Concen: 40.102 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 98 Resp: 476939

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.3	79.9





#51
4-Methyl-2-Pentanone
Concen: 217.774 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

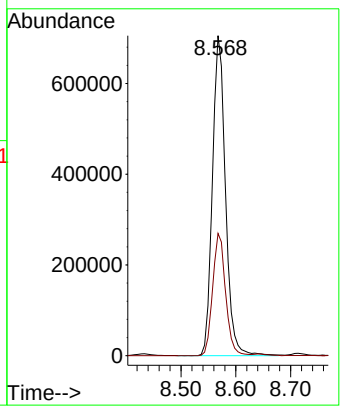
Tgt Ion: 43 Resp: 116401

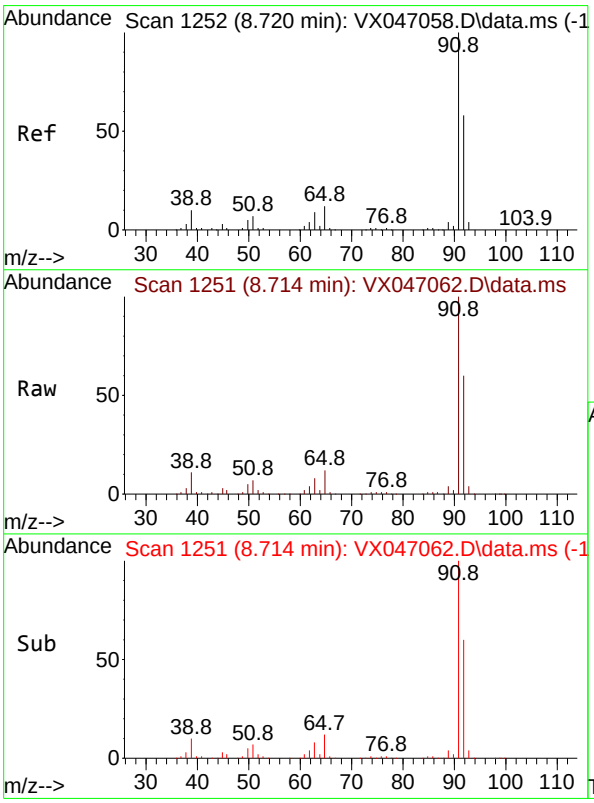
Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.6	45.8

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

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

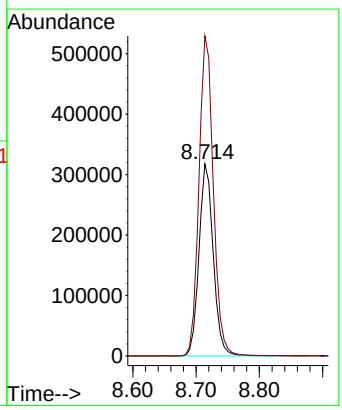


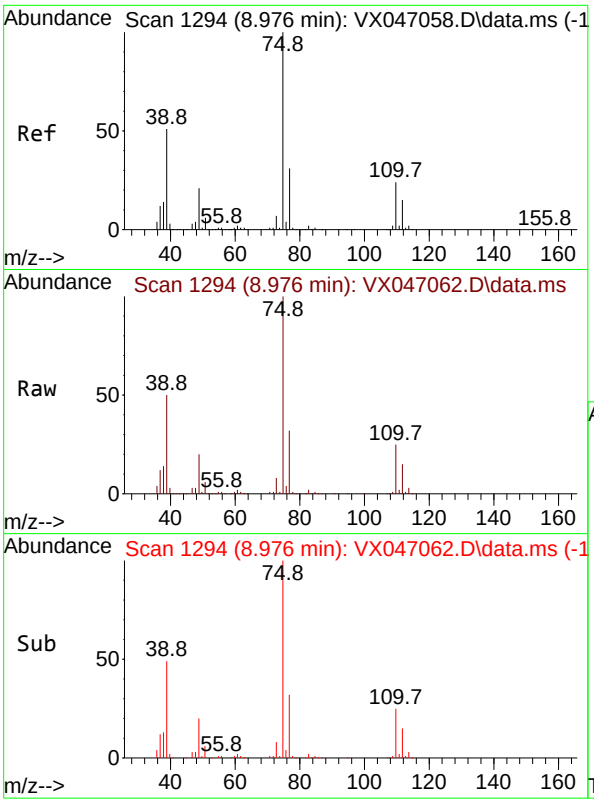


#52
Toluene
Concen: 44.778 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 92 Resp: 498799

Ion	Ratio	Lower	Upper
92	100		
91	168.3	137.9	206.9

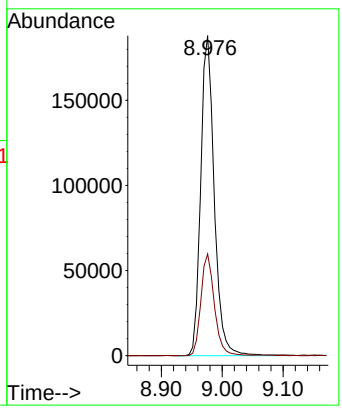




#53
t-1,3-Dichloropropene
Concen: 45.444 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 75 Resp: 29063

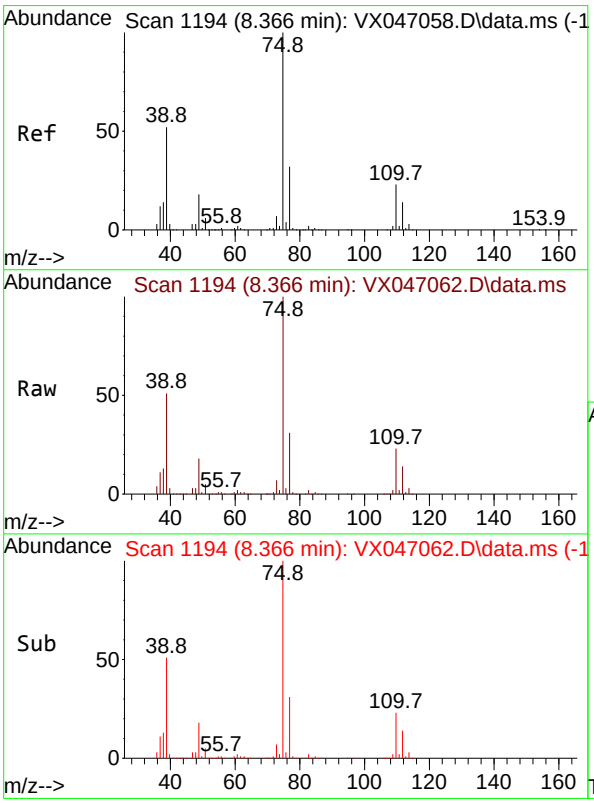
Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

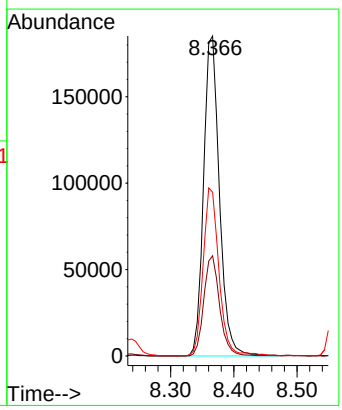
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

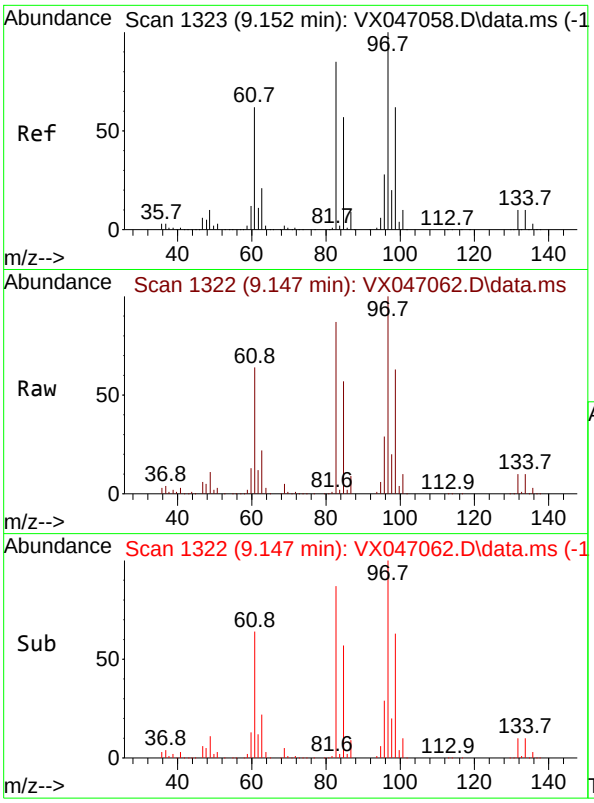


#54
cis-1,3-Dichloropropene
Concen: 46.140 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 75 Resp: 322967

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	50.6	41.8	62.6

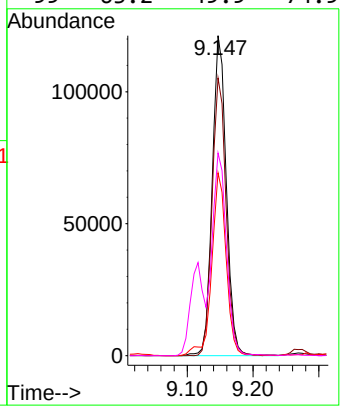




#55
1,1,2-Trichloroethane
Concen: 43.270 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 97 Resp: 18076

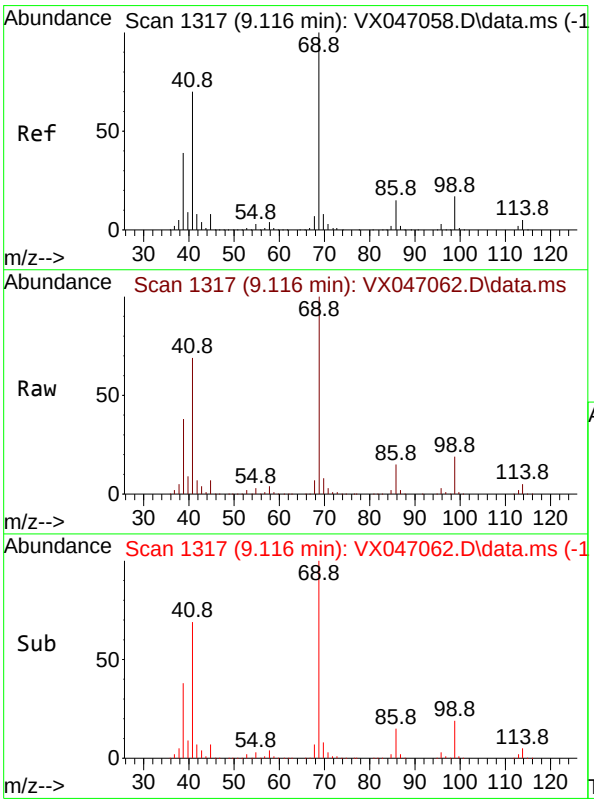
Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.0	102.0
85	57.1	45.2	67.8
99	63.2	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

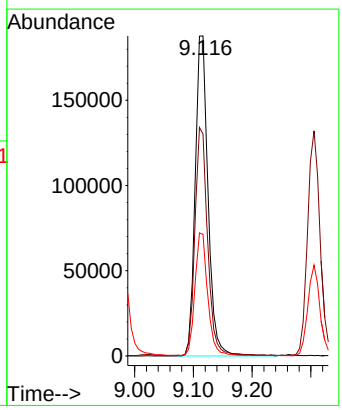
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

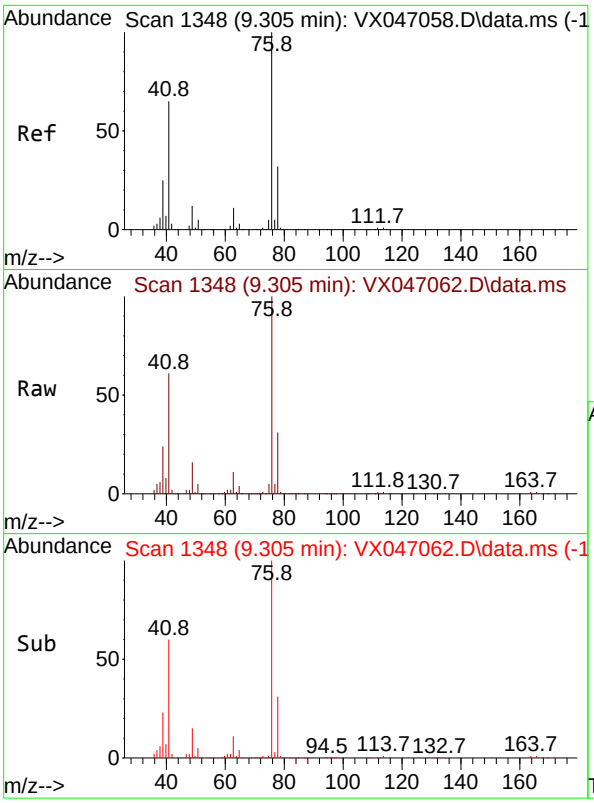


#56
Ethyl methacrylate
Concen: 46.334 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 69 Resp: 286552

Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.1	84.1
39	38.3	31.1	46.7

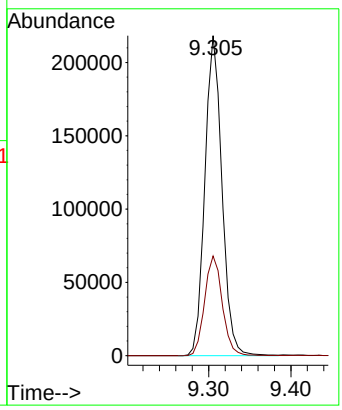




#57
1,3-Dichloropropane
Concen: 43.350 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 76 Resp: 31473

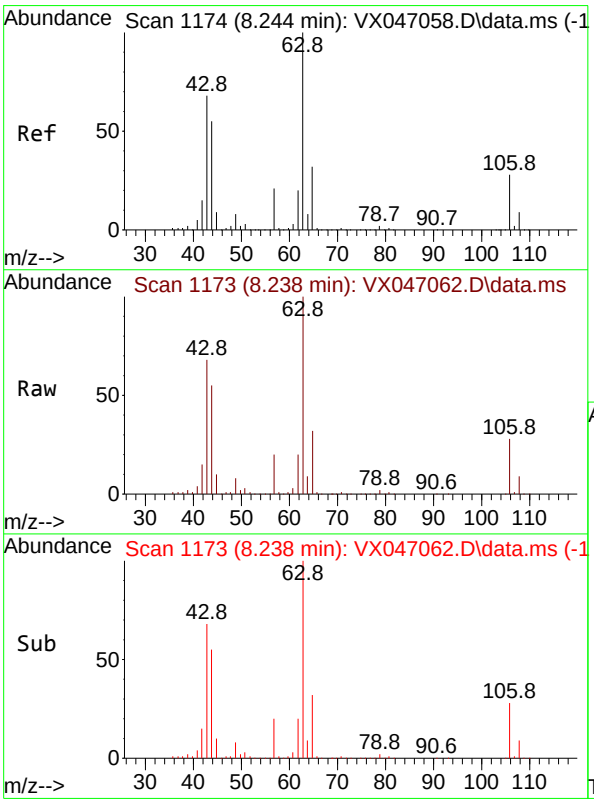
Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

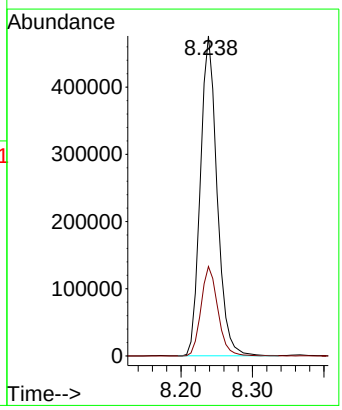
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

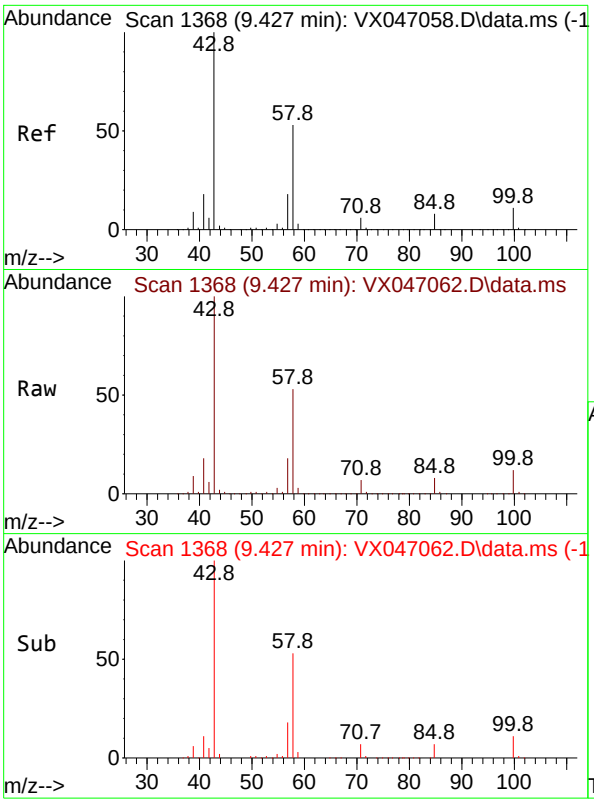


#58
2-Chloroethyl Vinyl ether
Concen: 225.188 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 63 Resp: 774980

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.2	33.4





#59
2-Hexanone
Concen: 228.755 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

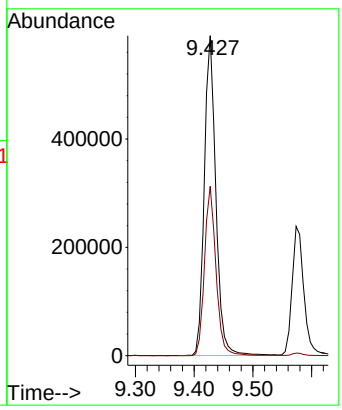
Tgt Ion: 43 Resp: 80782

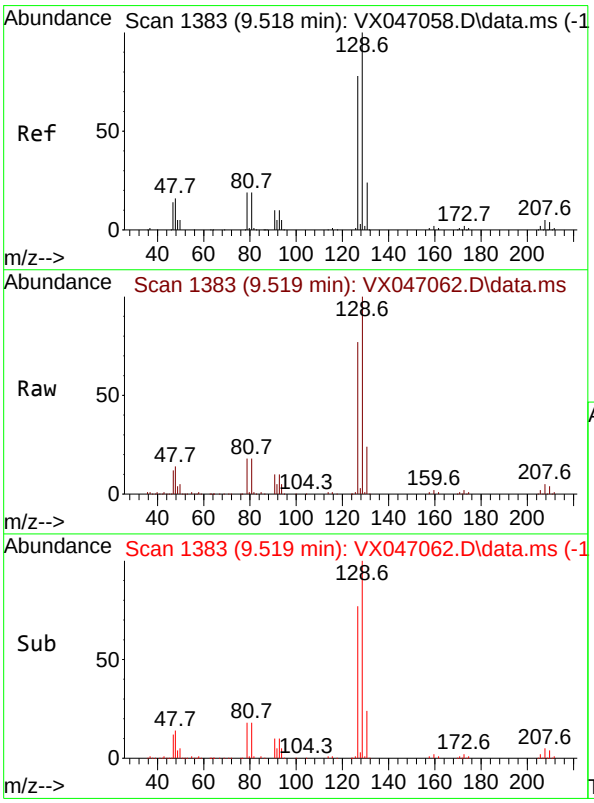
Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.5	79.5

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

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

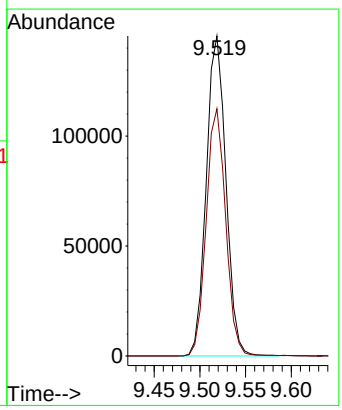


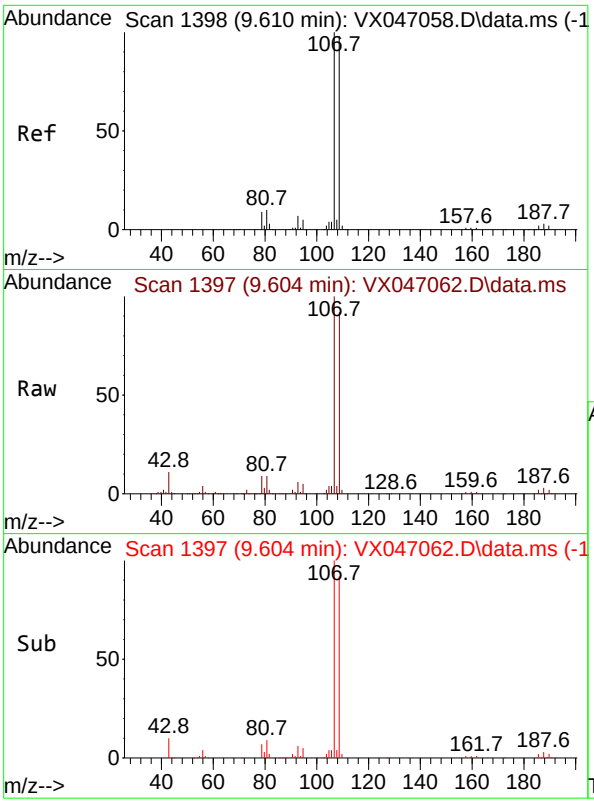


#60
Dibromochloromethane
Concen: 44.239 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:129 Resp: 216749

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.6	115.8

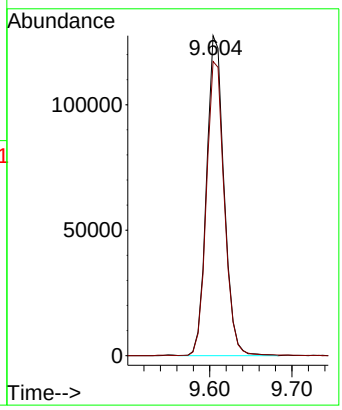




#61
1,2-Dibromoethane
Concen: 43.202 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:107 Resp: 18871

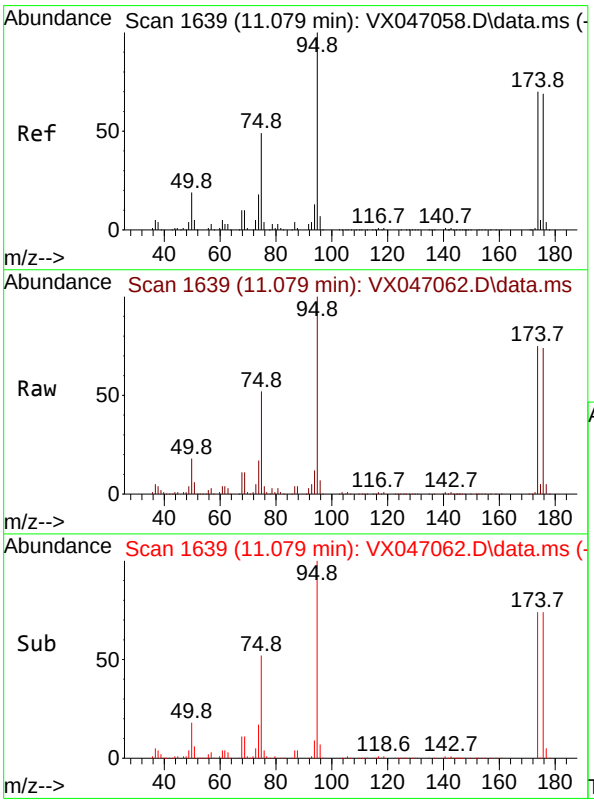
Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

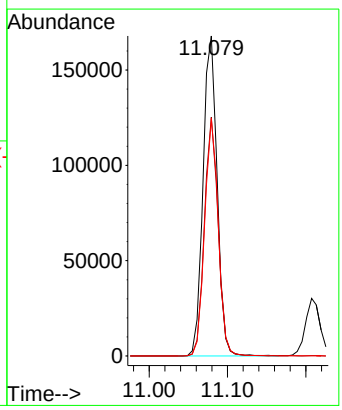
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

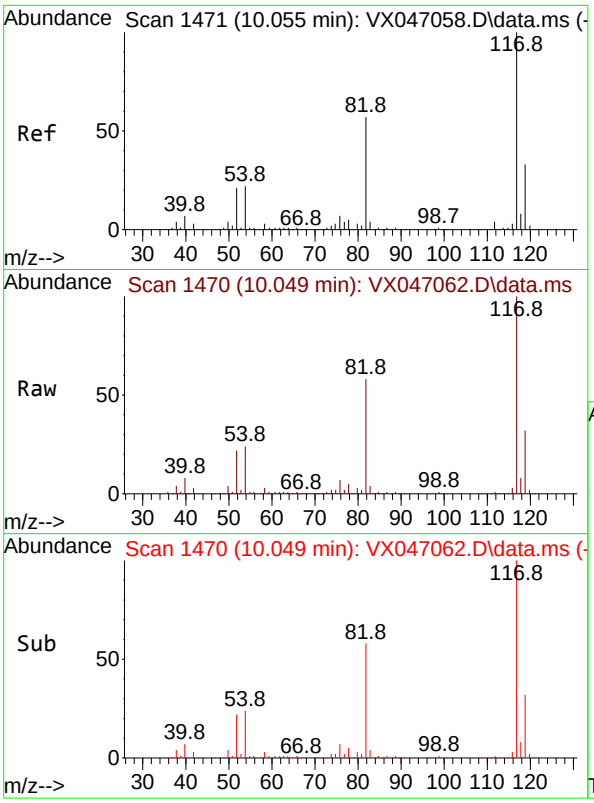


#62
4-Bromofluorobenzene
Concen: 40.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 95 Resp: 209003

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	144.6
176	71.8	0.0	139.6

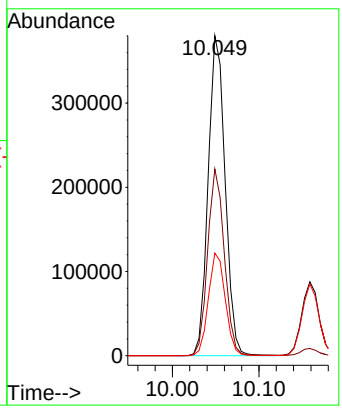




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:117 Resp: 51690

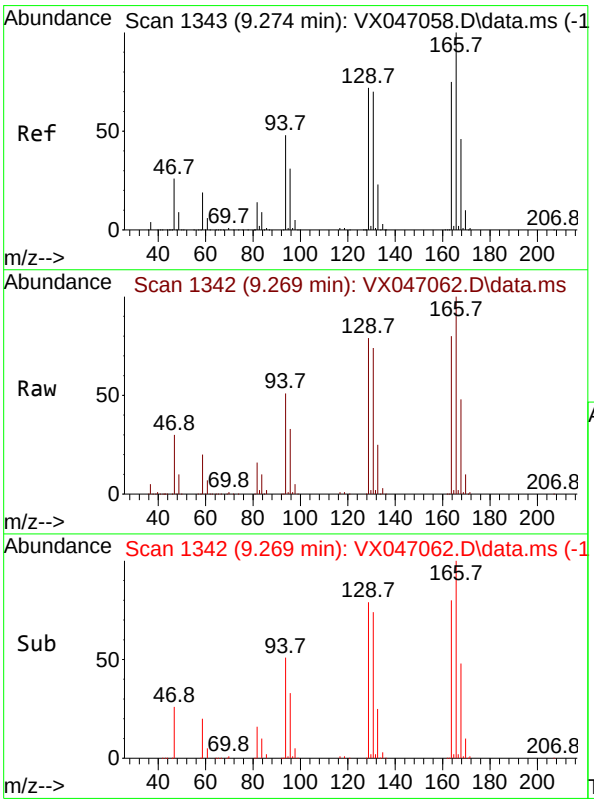
Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.4	68.2
119	32.1	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

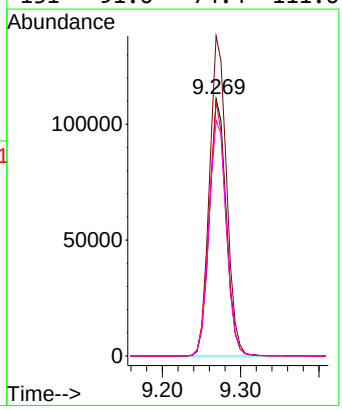
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

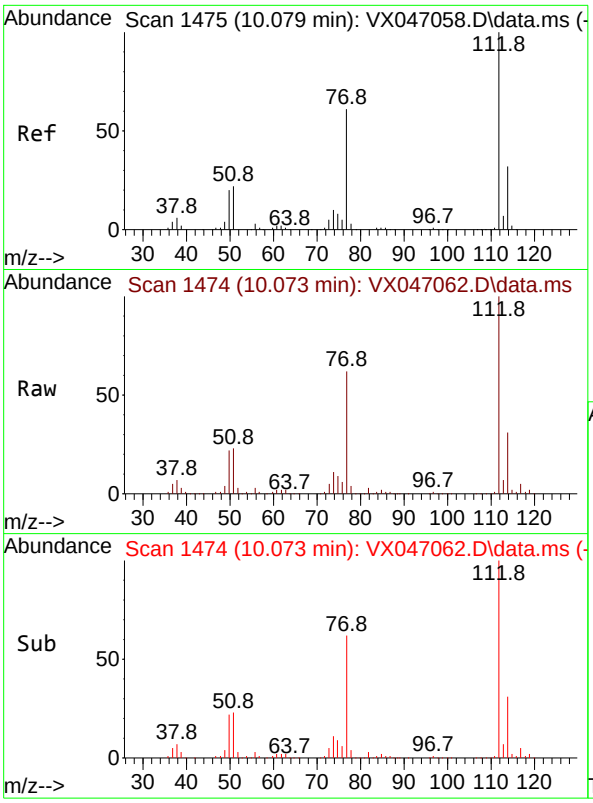


#64
Tetrachloroethene
Concen: 44.131 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:164 Resp: 164447

Ion	Ratio	Lower	Upper
164	100		
166	124.5	106.2	159.4
129	98.9	76.6	114.8
131	91.6	74.4	111.6

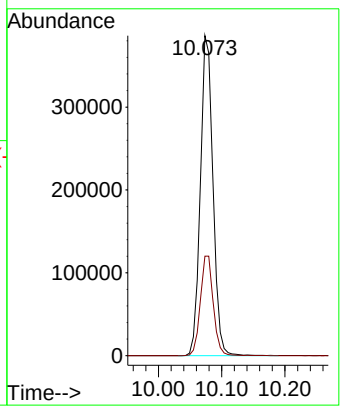




#65
Chlorobenzene
Concen: 44.318 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:112 Resp: 53666

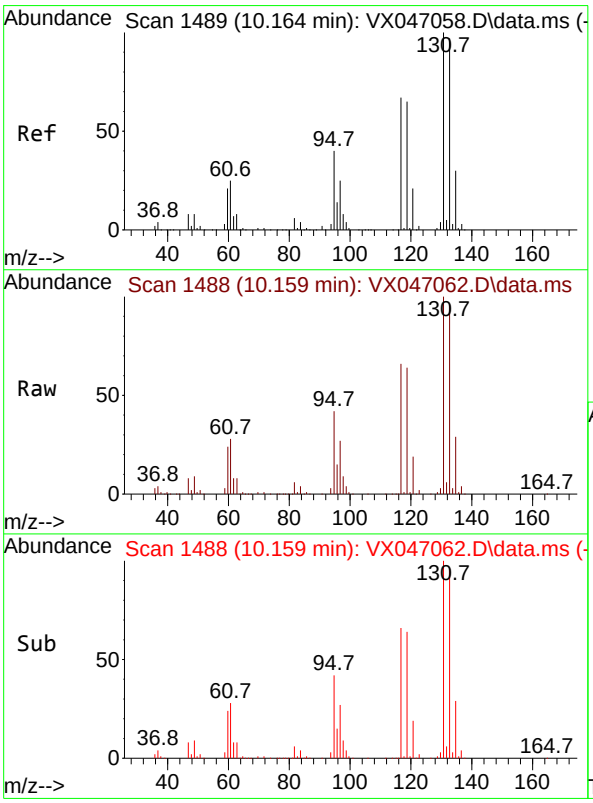
Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

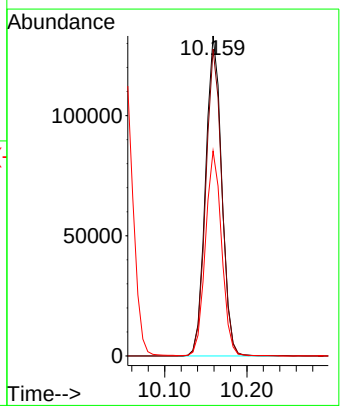
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

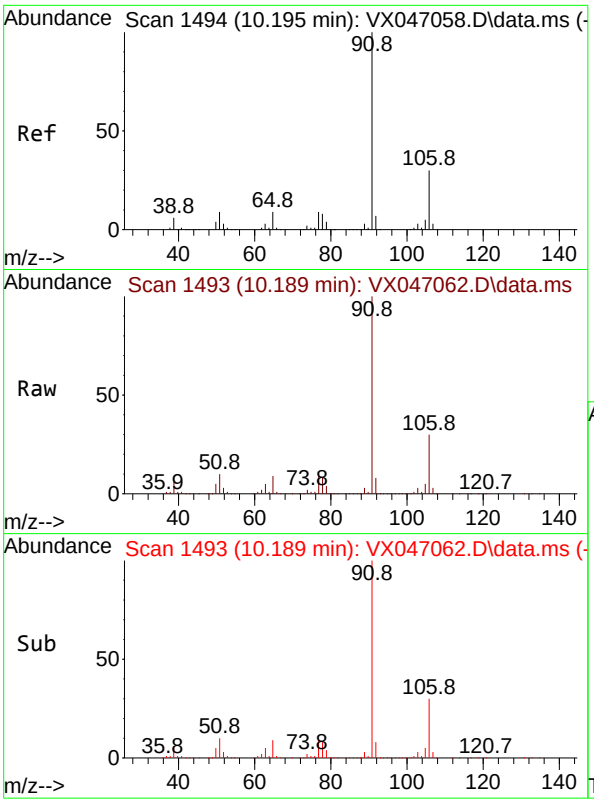


#66
1,1,1,2-Tetrachloroethane
Concen: 44.529 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:131 Resp: 181544

Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.4	145.3
119	63.9	32.4	97.0

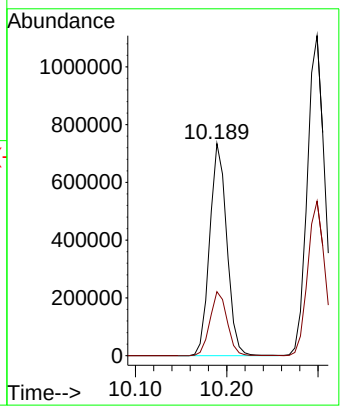




#67
Ethyl Benzene
Concen: 44.977 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 91 Resp: 95228

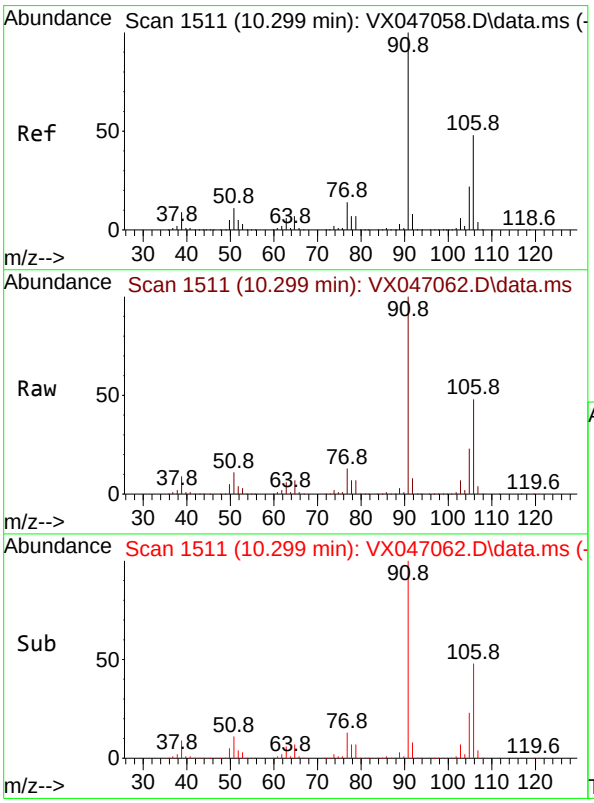
Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

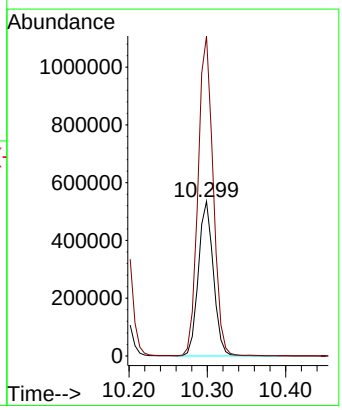
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

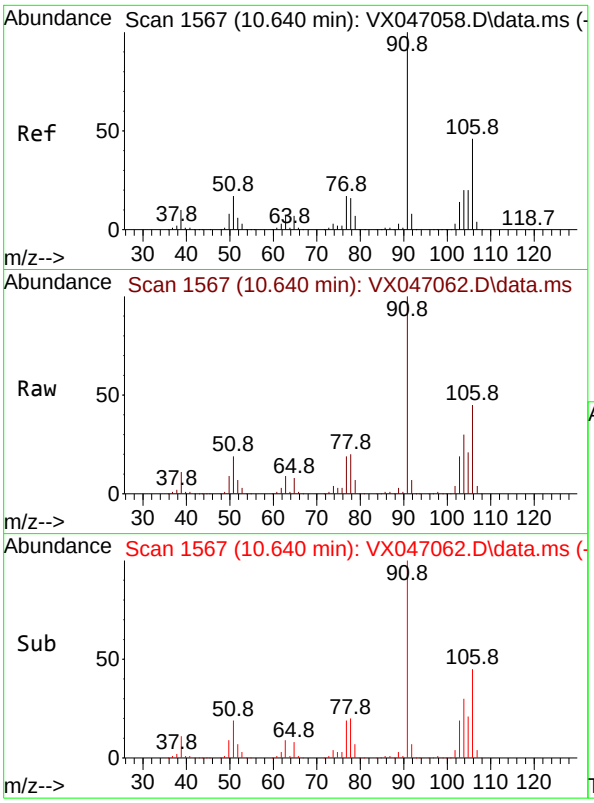


#68
m/p-Xylenes
Concen: 89.564 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:106 Resp: 709639

Ion	Ratio	Lower	Upper
106	100		
91	209.3	167.4	251.0

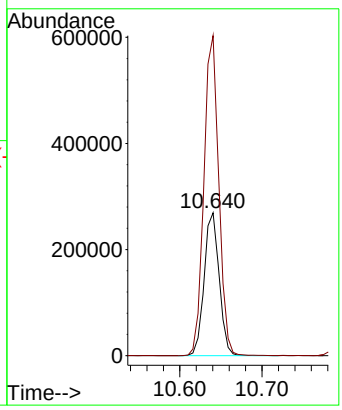




#69
o-Xylene
Concen: 45.328 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:106 Resp: 34166

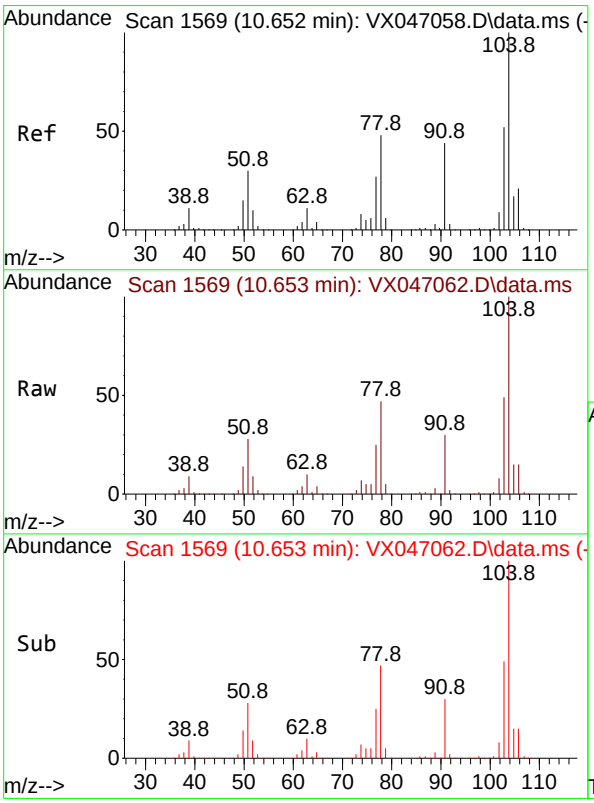
Ion	Ratio	Lower	Upper
106	100		
91	222.1	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

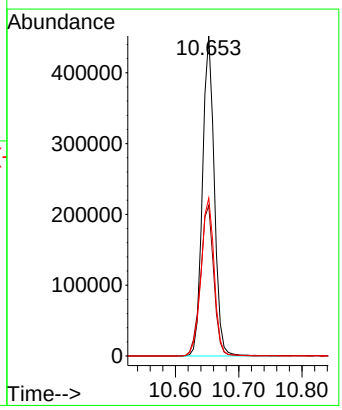
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

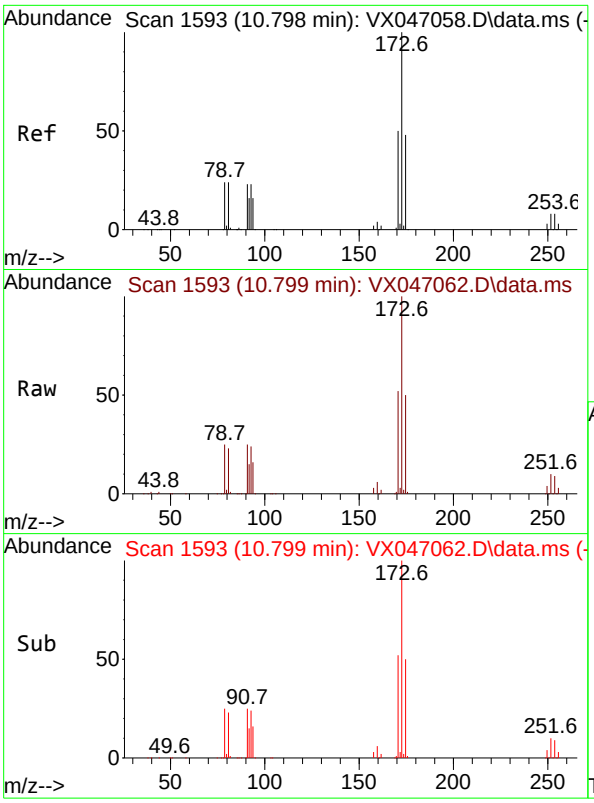


#70
Styrene
Concen: 45.618 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:104 Resp: 589610

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.0	63.0
103	54.7	43.8	65.6

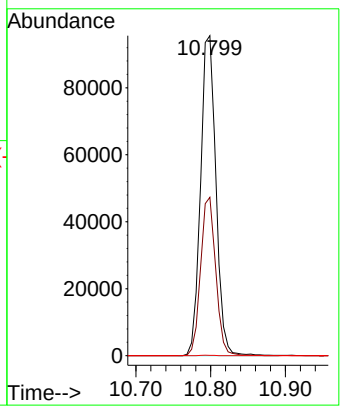




#71
Bromoform
Concen: 44.106 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:173 Resp: 13659

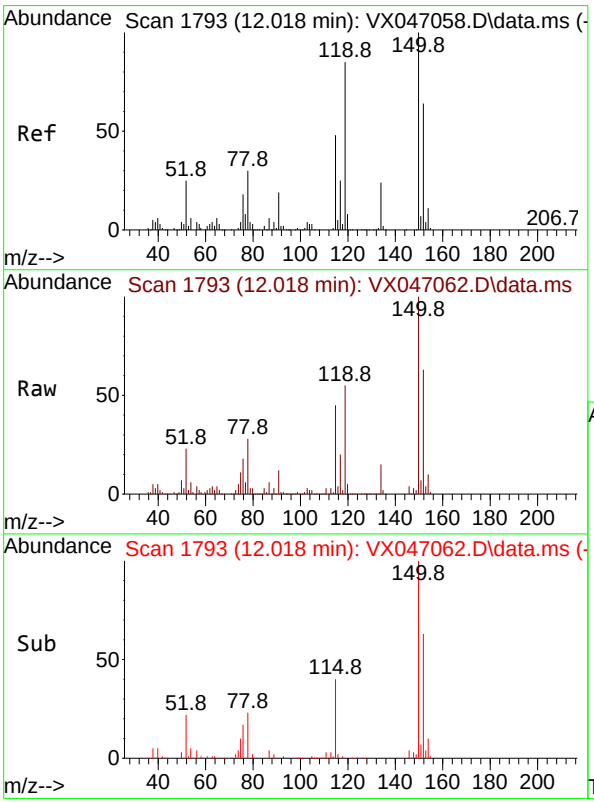
Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

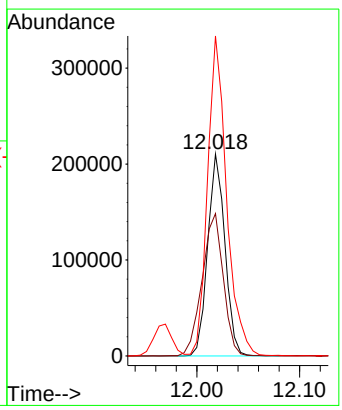
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

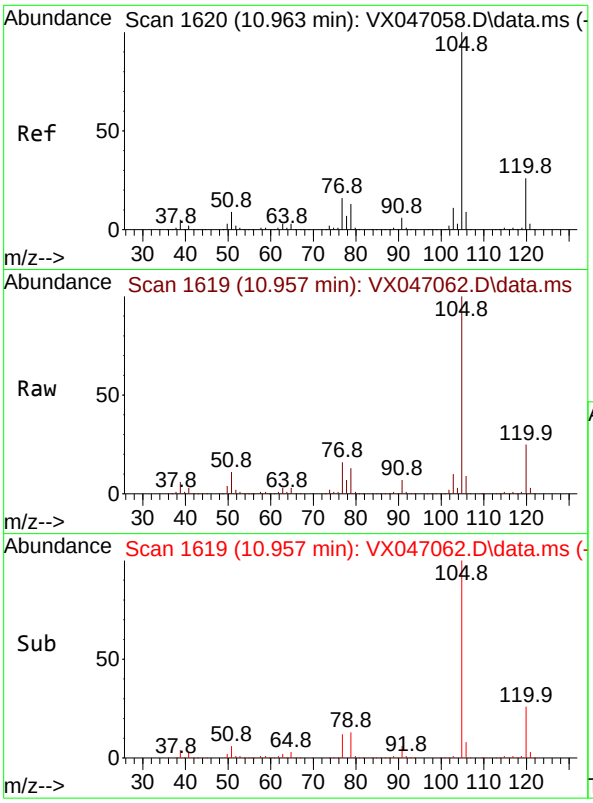


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:152 Resp: 245093

Ion	Ratio	Lower	Upper
152	100		
115	86.9	45.6	136.7
150	175.5	0.0	354.6

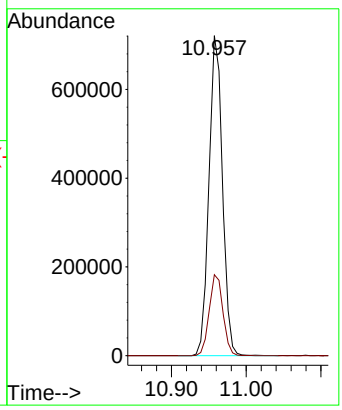




#73
Isopropylbenzene
Concen: 46.708 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:105 Resp: 90315

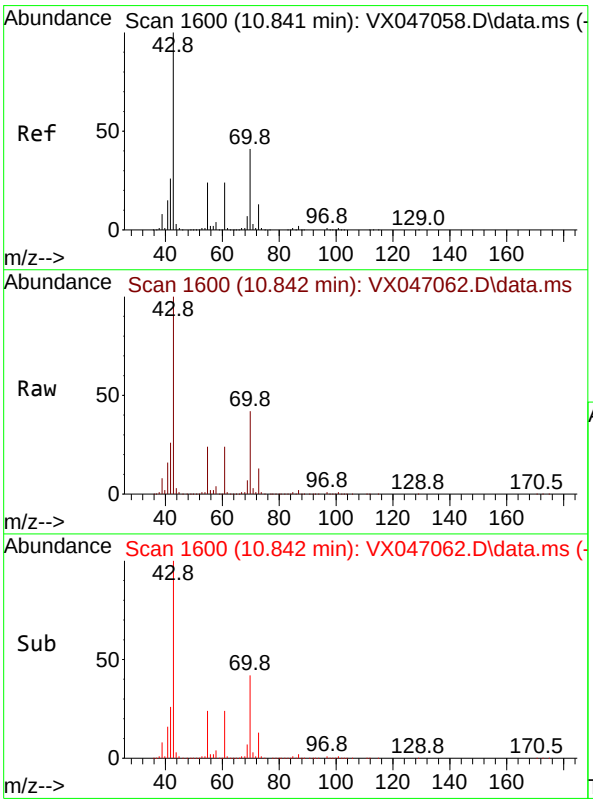
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

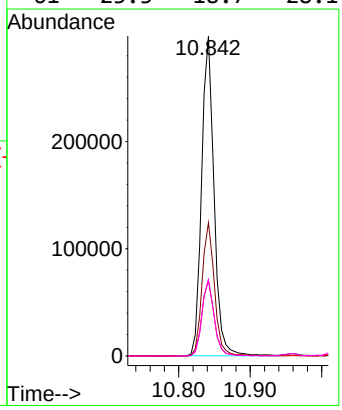
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

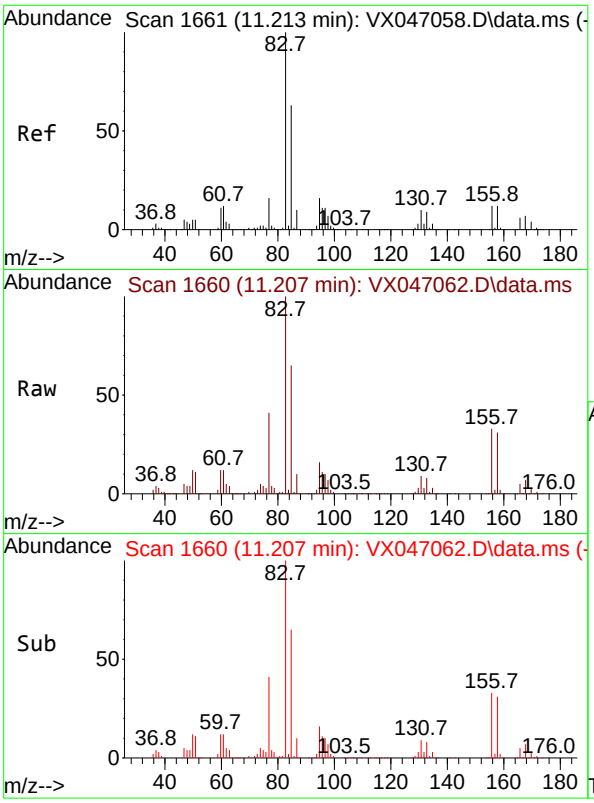


#74
N-amyl acetate
Concen: 46.238 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 43 Resp: 360744

Ion	Ratio	Lower	Upper
43	100		
70	41.5	32.3	48.5
55	23.8	18.9	28.3
61	23.3	18.7	28.1





#75
1,1,2,2-Tetrachloroethane
Concen: 45.037 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

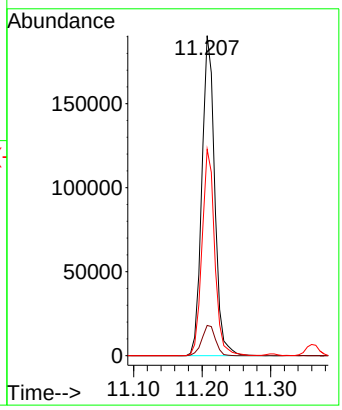
Tgt Ion: 83 Resp: 24875

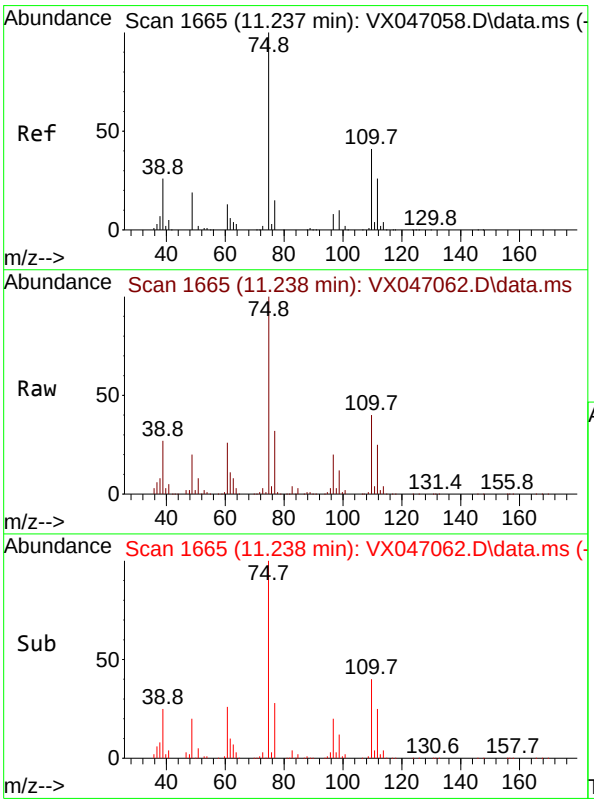
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	63.7	32.0	96.2

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

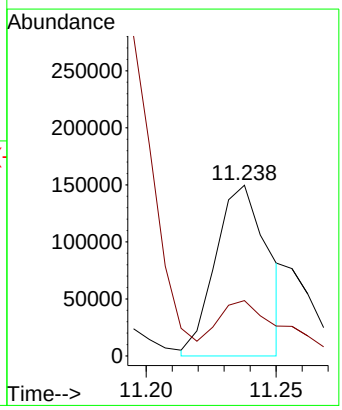


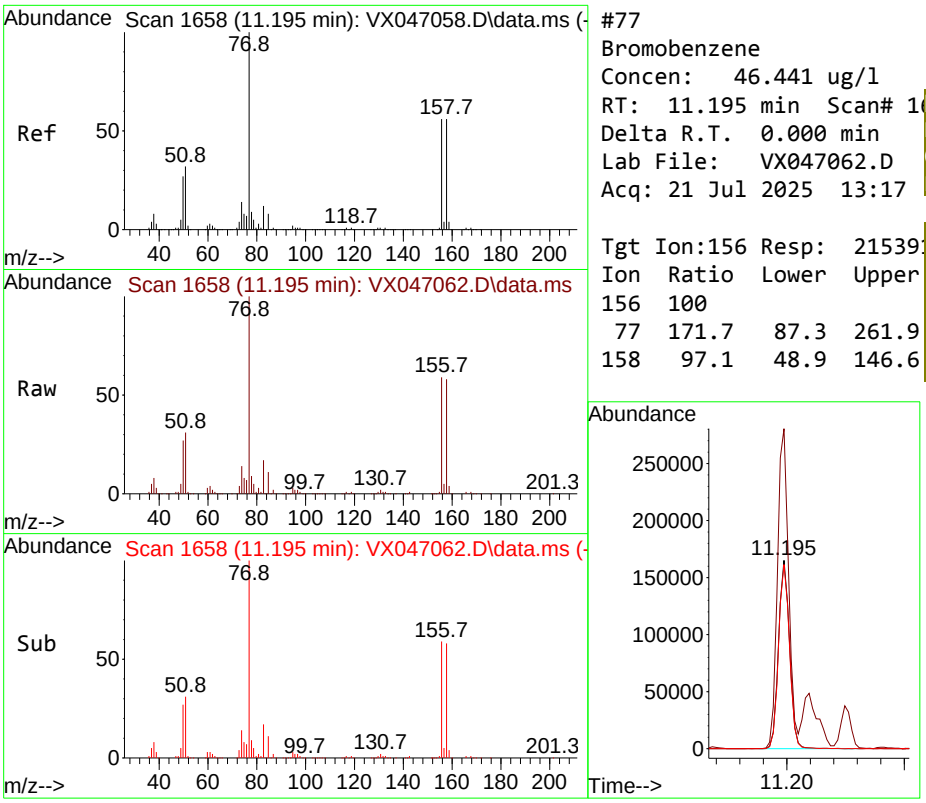


#76
1,2,3-Trichloropropane
Concen: 46.113 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 75 Resp: 209195

Ion	Ratio	Lower	Upper
75	100		
77	41.1	21.6	65.0





#77
Bromobenzene
Concen: 46.441 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

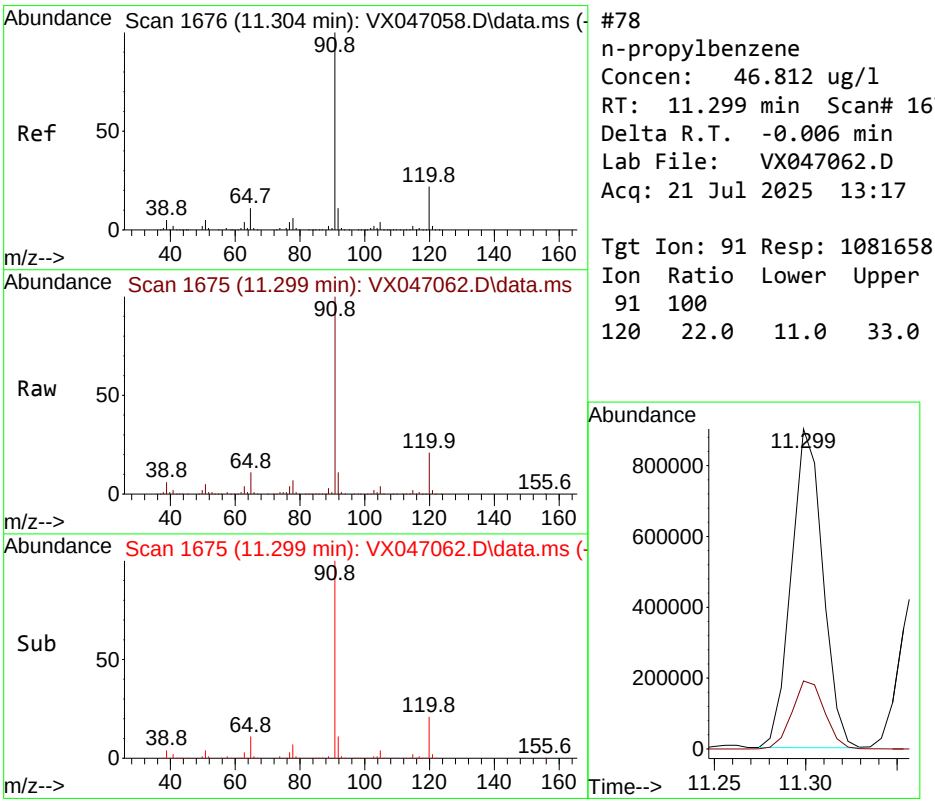
Tgt Ion:156 Resp: 21539

Ion	Ratio	Lower	Upper
156	100		
77	171.7	87.3	261.9
158	97.1	48.9	146.6

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

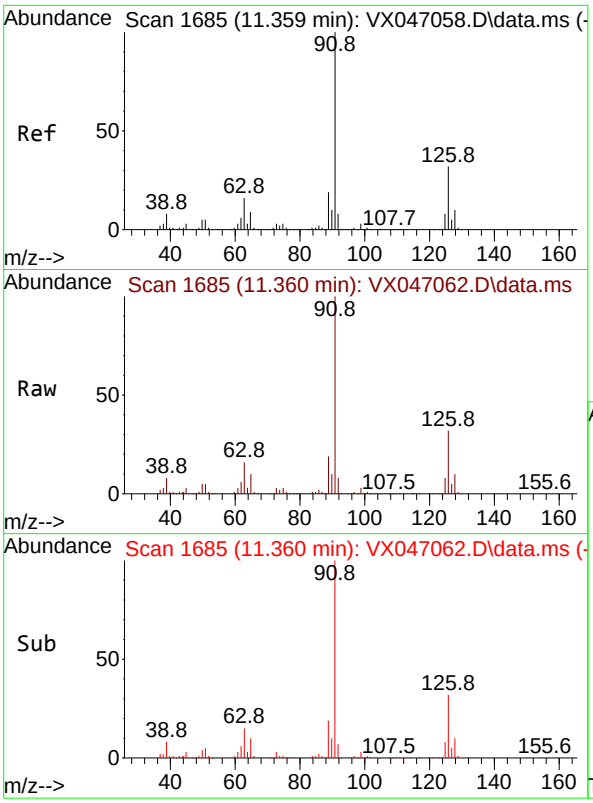
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#78
n-propylbenzene
Concen: 46.812 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 91 Resp: 1081658

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0



#79
2-Chlorotoluene
Concen: 45.702 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

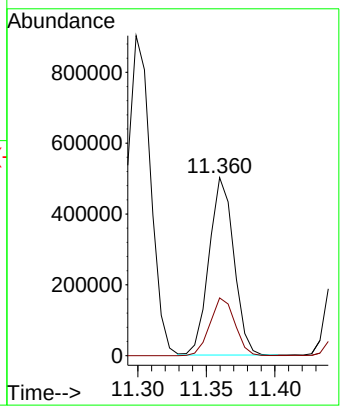
Tgt Ion: 91 Resp: 63125

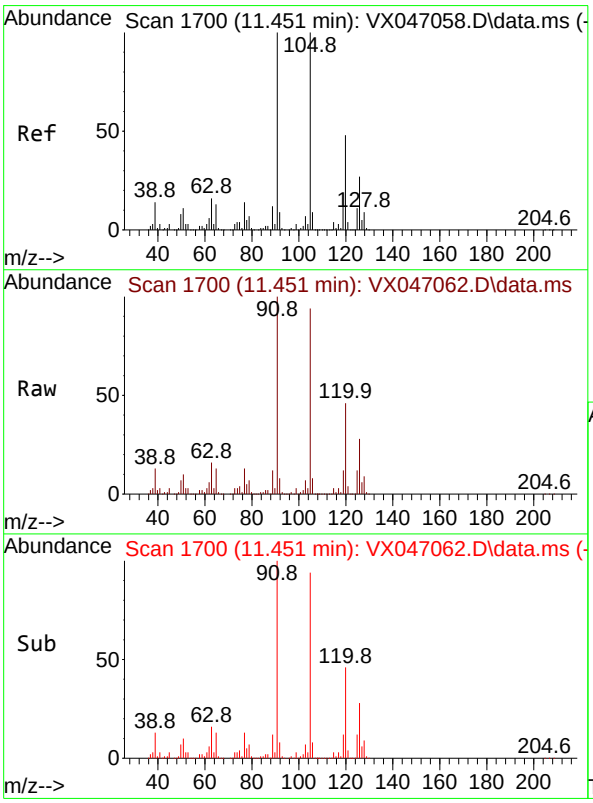
Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

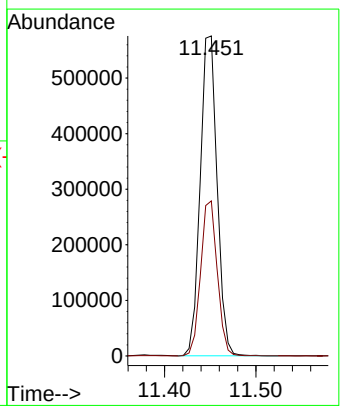


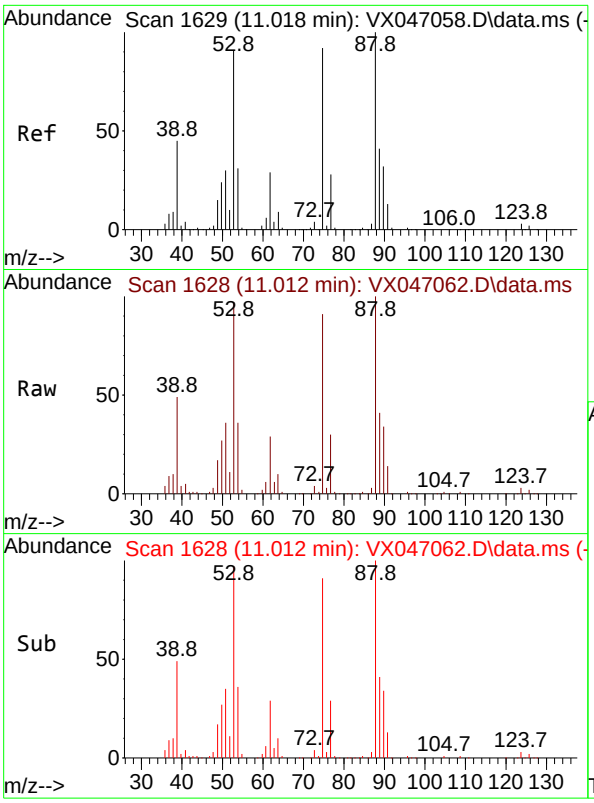


#80
1,3,5-Trimethylbenzene
Concen: 46.187 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:105 Resp: 737827

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.5

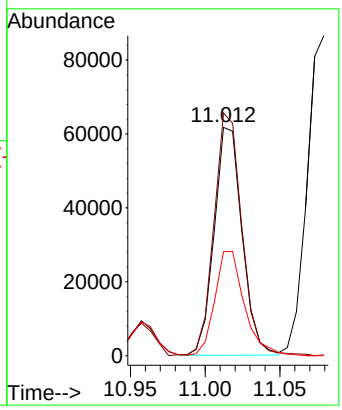




#81
trans-1,4-Dichloro-2-butene
Concen: 45.380 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 75 Resp: 7990

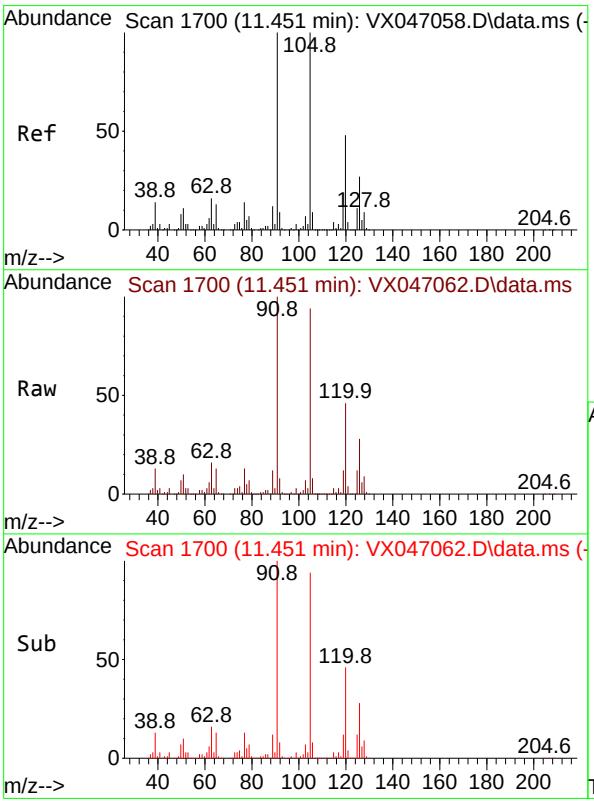
Ion	Ratio	Lower	Upper
75	100		
53	106.6	84.2	126.4
89	48.7	36.0	54.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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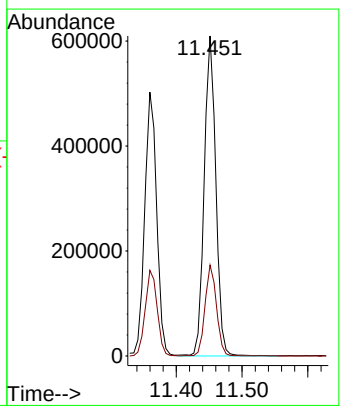
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

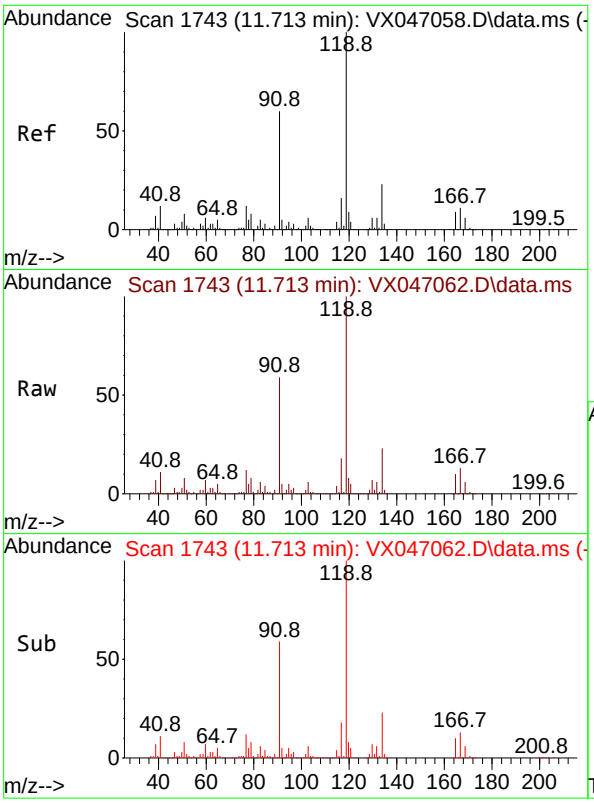


#82
4-Chlorotoluene
Concen: 46.476 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 91 Resp: 749299

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.1	42.3

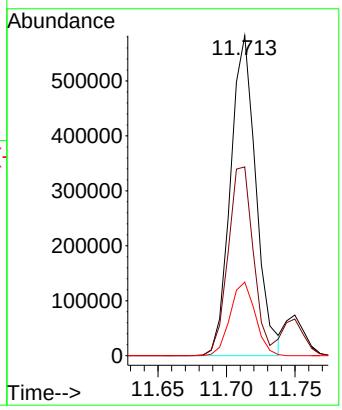




#83
tert-Butylbenzene
Concen: 46.942 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:119 Resp: 75265

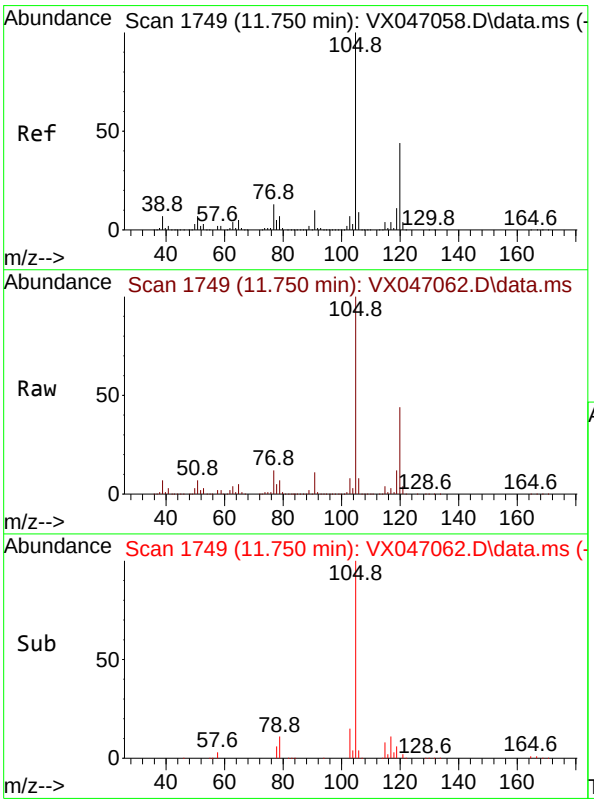
Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.7	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

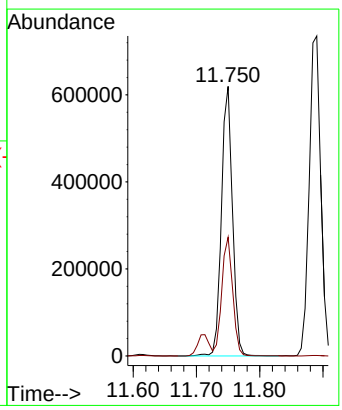
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

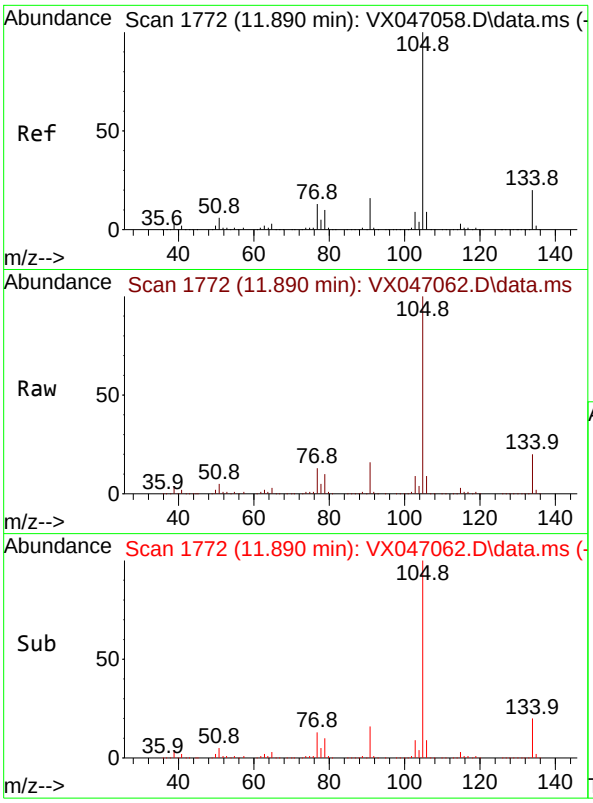


#84
1,2,4-Trimethylbenzene
Concen: 46.741 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:105 Resp: 744757

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.0	66.0

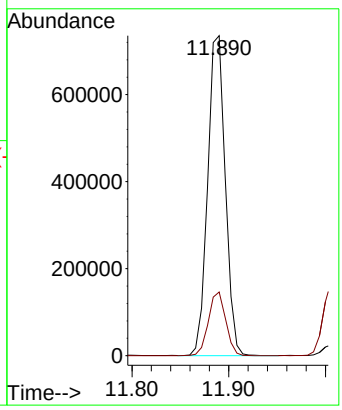




#85
sec-Butylbenzene
Concen: 46.632 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:105 Resp: 93419

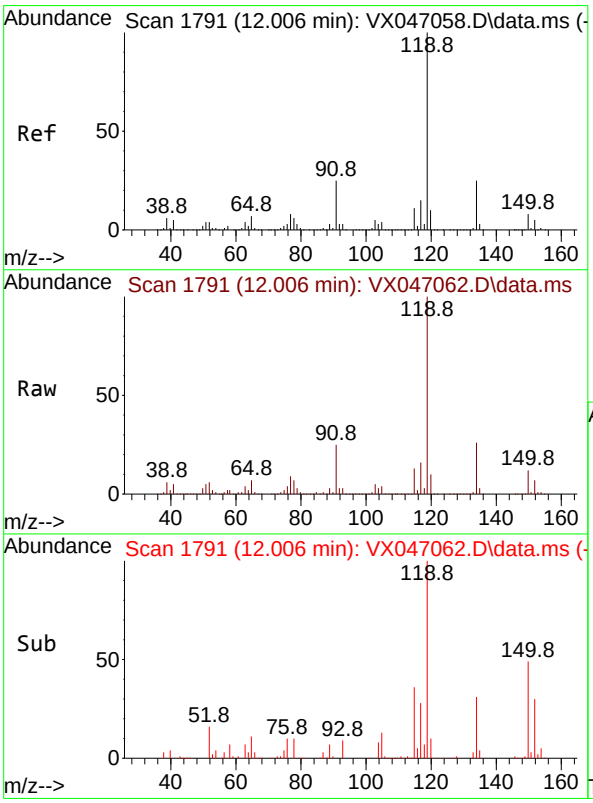
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

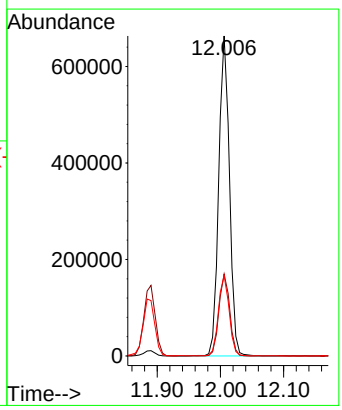
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

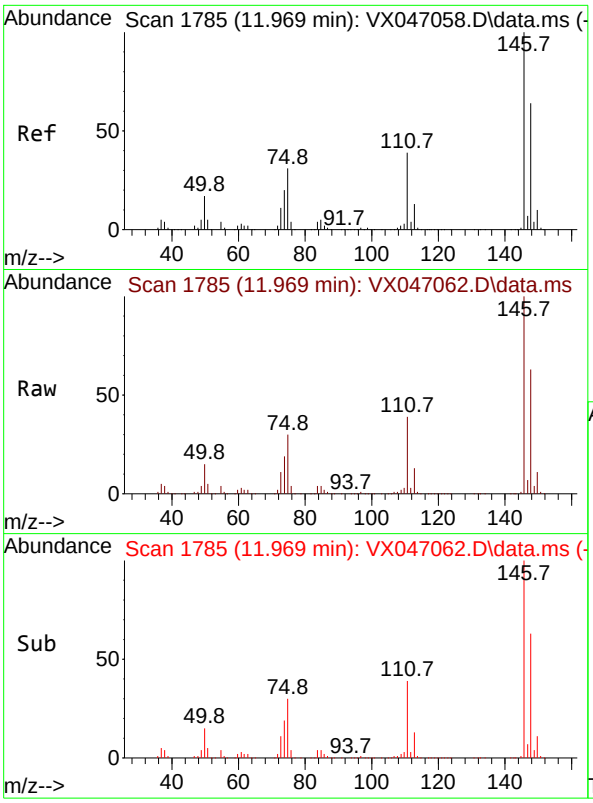


#86
p-Isopropyltoluene
Concen: 46.560 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:119 Resp: 773508

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	25.2	12.4	37.4

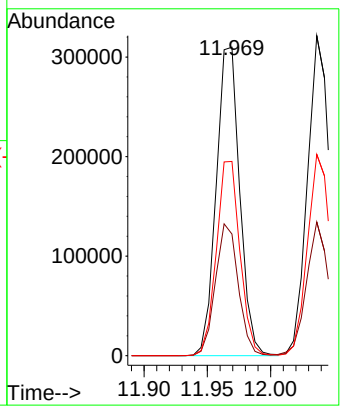




#87
1,3-Dichlorobenzene
Concen: 45.450 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:146 Resp: 40052

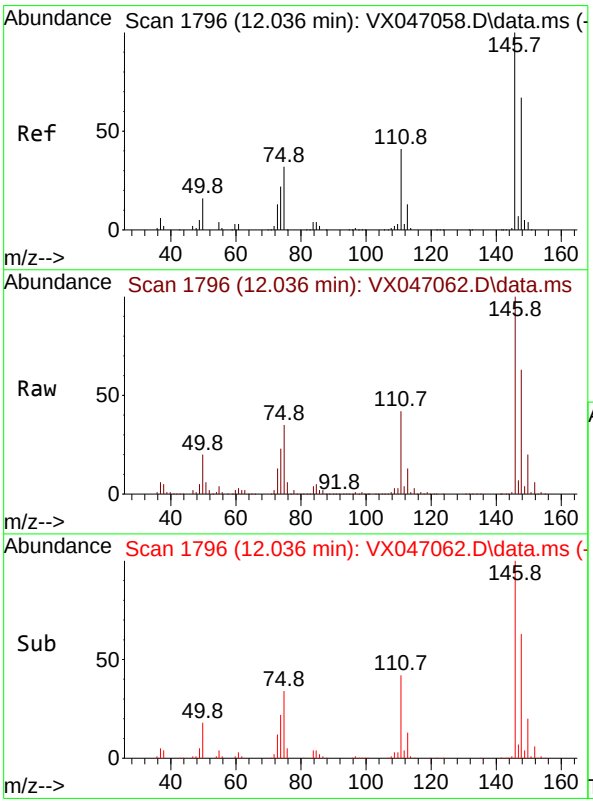
Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.0	63.0
148	63.2	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

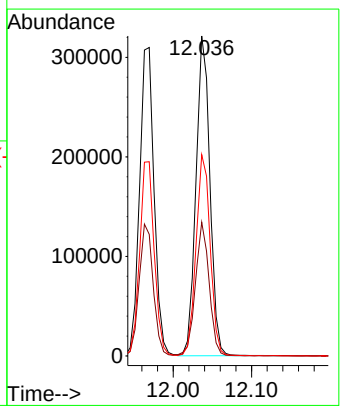
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

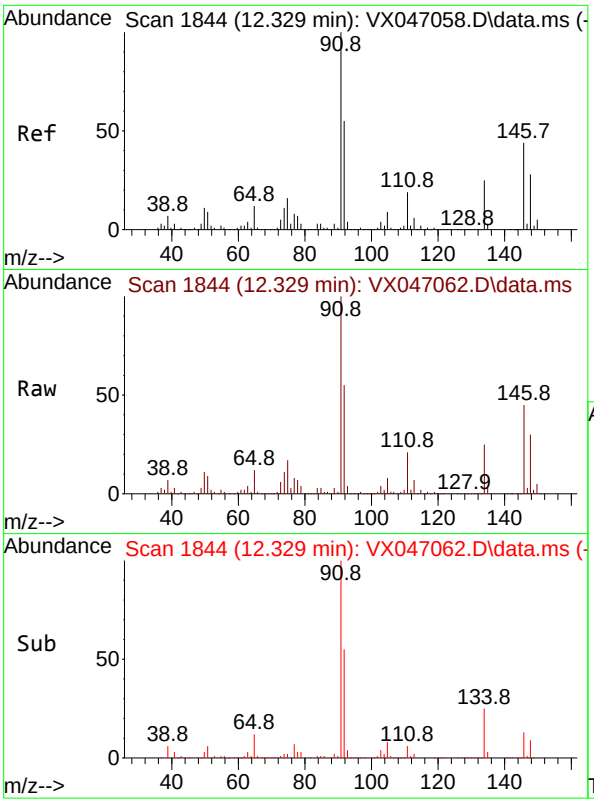


#88
1,4-Dichlorobenzene
Concen: 44.634 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:146 Resp: 398497

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.9
148	63.9	33.0	98.9

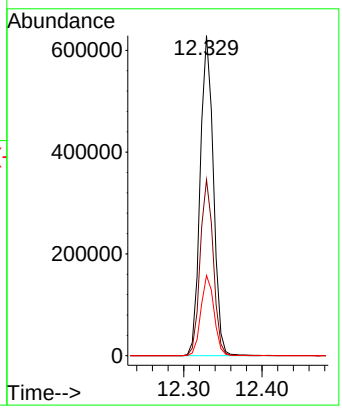




#89
n-Butylbenzene
Concen: 47.201 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 91 Resp: 73538

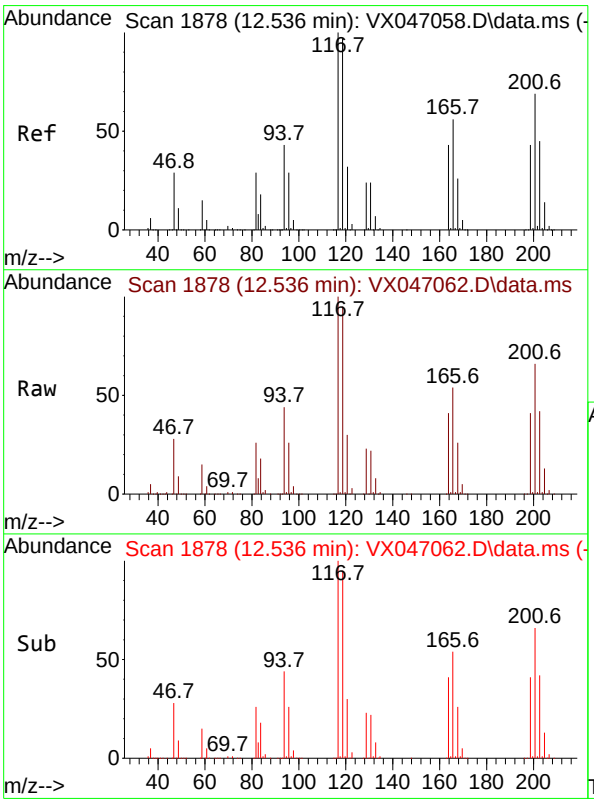
Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.5
134	25.0	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

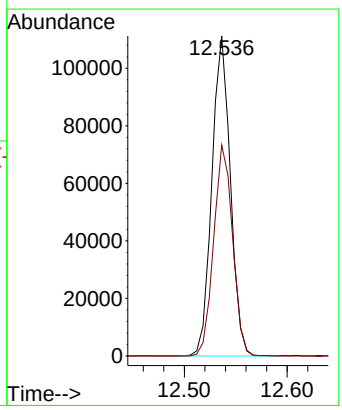
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

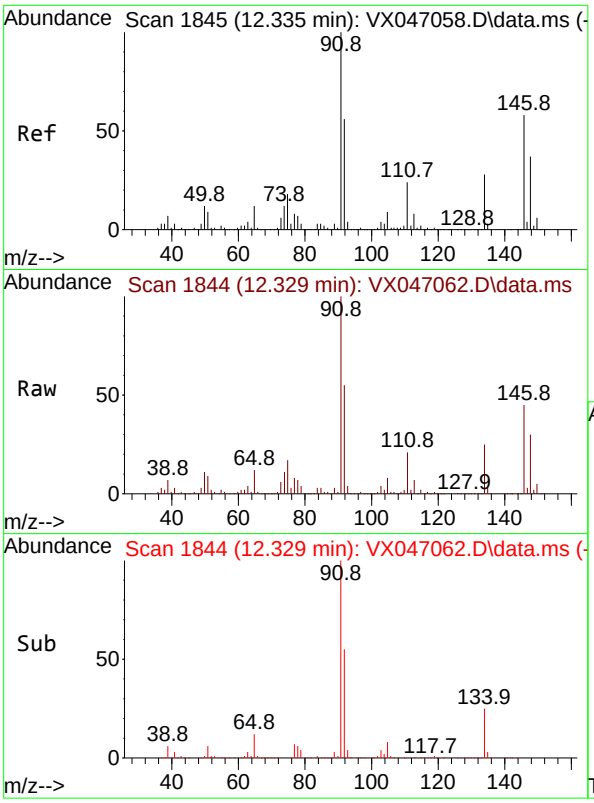


#90
Hexachloroethane
Concen: 46.667 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:117 Resp: 138697

Ion	Ratio	Lower	Upper
117	100		
201	67.6	34.8	104.5

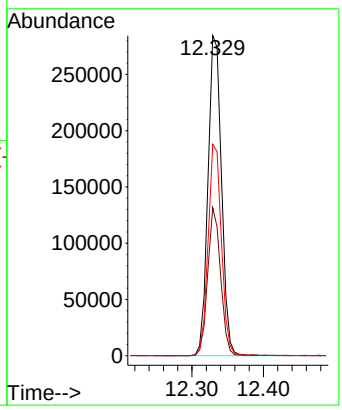




#91
1,2-Dichlorobenzene
Concen: 44.320 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:146 Resp: 37328

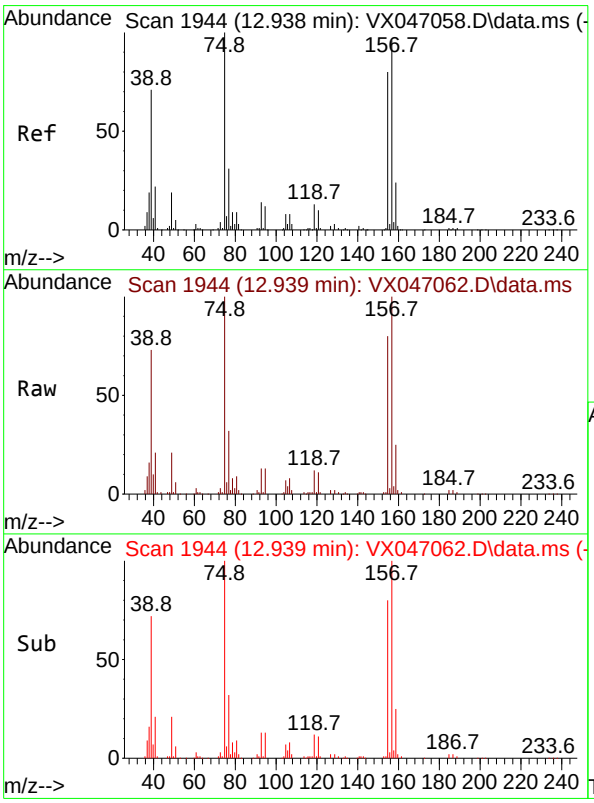
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	64.9	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

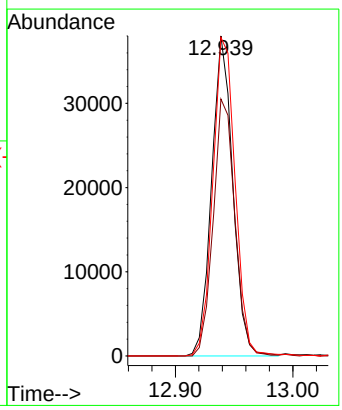
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

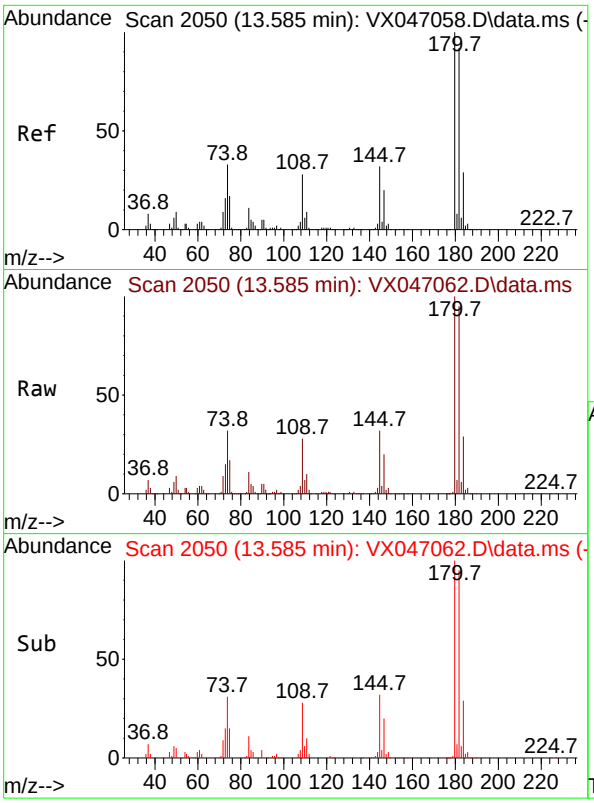


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.904 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 75 Resp: 47608

Ion	Ratio	Lower	Upper
75	100		
155	82.0	41.3	124.1
157	105.2	52.8	158.3

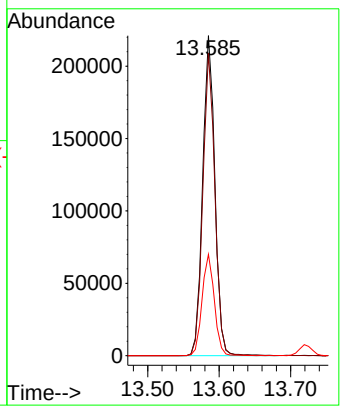




#93
1,2,4-Trichlorobenzene
Concen: 46.990 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:180 Resp: 26148

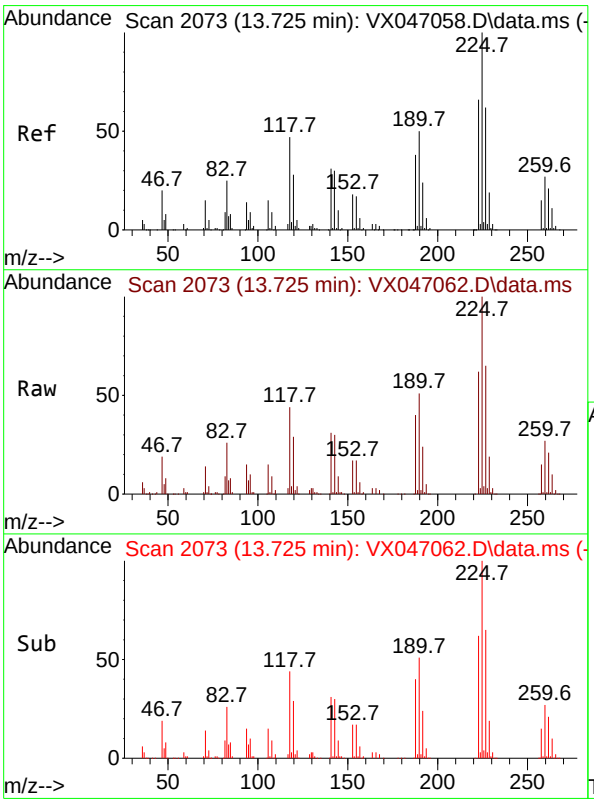
Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	141.8
145	31.9	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations APPROVED

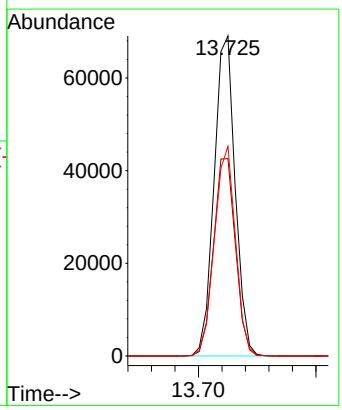
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

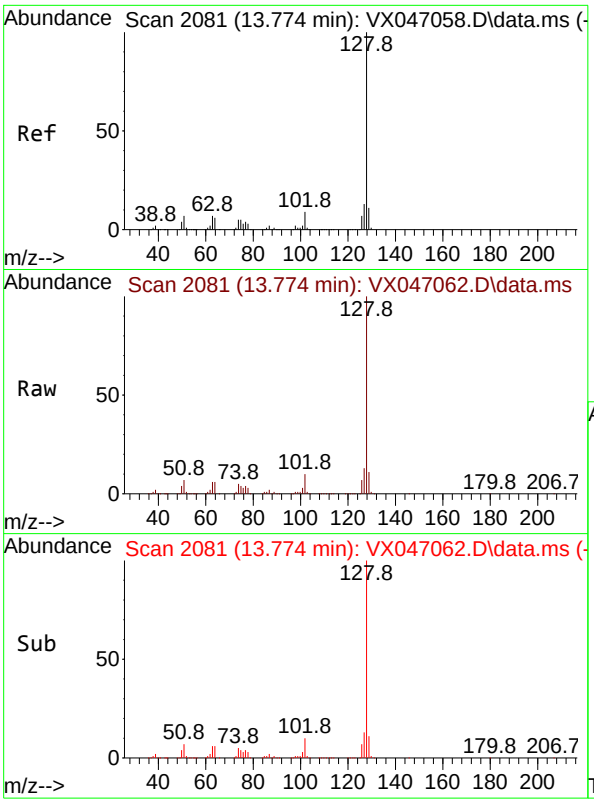


#94
Hexachlorobutadiene
Concen: 45.502 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:225 Resp: 86113

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.6	95.0
227	65.3	32.9	98.6

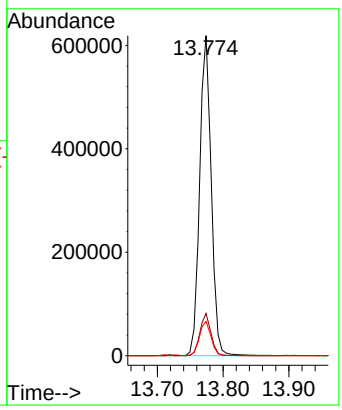




#95
Naphthalene
Concen: 46.304 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:128 Resp: 75536

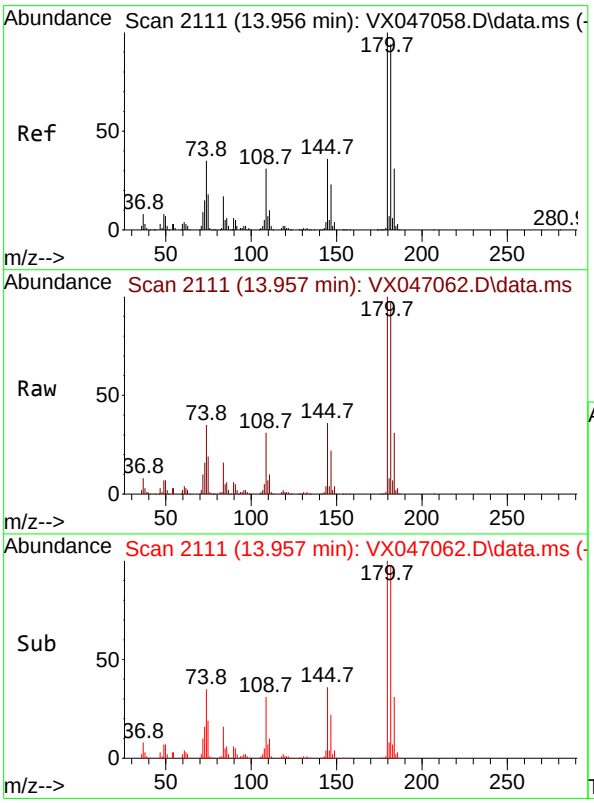
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Manual Integrations
APPROVED

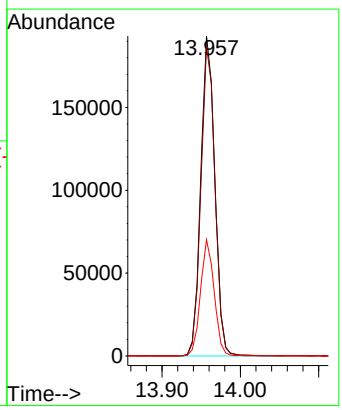
Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



#96
1,2,3-Trichlorobenzene
Concen: 44.980 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:180 Resp: 241137

Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.9	140.6
145	35.3	17.3	52.0



Evaluate Continuing Calibration Report

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

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

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

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG No.: Q2814

Instrument ID: MSVOA_X | Calibration Date/Time: 08/12/2025 09:53

Lab File ID: VX047284.D | Init. Calib. Date(s): 07/21/2025 07/21/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.664	0.700		5.42	20
Chloromethane	0.657	0.619	0.1	-5.78	20
Vinyl Chloride	0.706	0.710		0.57	20
Bromomethane	0.384	0.423		10.16	20
Chloroethane	0.464	0.423		-8.84	20
Trichlorofluoromethane	1.053	1.060		0.67	20
1,1,2-Trichlorotrifluoroethane	0.634	0.627		-1.1	20
1,1-Dichloroethene	0.628	0.616		-1.91	20
Acetone	0.250	0.262		4.8	20
Carbon Disulfide	1.818	1.741		-4.24	20
Methyl tert-butyl Ether	1.912	2.026		5.96	20
Methyl Acetate	0.663	0.767		15.69	20
Methylene Chloride	0.686	0.675		-1.6	20
trans-1,2-Dichloroethene	0.643	0.644		0.16	20
1,1-Dichloroethane	1.214	1.182	0.1	-2.64	20
Cyclohexane	1.164	1.087		-6.61	20
2-Butanone	0.363	0.348		-4.13	20
Carbon Tetrachloride	0.562	0.553		-1.6	20
cis-1,2-Dichloroethene	0.761	0.747		-1.84	20
Bromochloromethane	0.559	0.571		2.15	20
Chloroform	1.236	1.217		-1.54	20
1,1,1-Trichloroethane	1.074	1.058		-1.49	20
Methylcyclohexane	0.657	0.628		-4.41	20
Benzene	1.523	1.515		-0.52	20
1,2-Dichloroethane	0.536	0.553		3.17	20
Trichloroethene	0.391	0.385		-1.53	20
1,2-Dichloropropane	0.381	0.386		1.31	20
Bromodichloromethane	0.569	0.591		3.87	20
4-Methyl-2-Pentanone	0.449	0.476		6.01	20
Toluene	0.936	0.940		0.43	20
t-1,3-Dichloropropene	0.538	0.566		5.2	20
cis-1,3-Dichloropropene	0.588	0.609		3.57	20
1,1,2-Trichloroethane	0.351	0.368		4.84	20
2-Hexanone	0.297	0.332		11.78	20
Dibromochloromethane	0.412	0.442		7.28	20
1,2-Dibromoethane	0.367	0.380		3.54	20
Tetrachloroethene	0.360	0.352		-2.22	20
Chlorobenzene	1.171	1.165	0.3	-0.51	20

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

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:	FIRS02
Lab Code:	ACE	SDG No.:	Q2814
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/12/2025 09:53
Lab File ID:	VX047284.D	Init. Calib. Date(s):	07/21/2025 07/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.048	2.055		0.34	20
m/p-Xylenes	0.766	0.769		0.39	20
o-Xylene	0.729	0.741		1.65	20
Styrene	1.250	1.290		3.2	20
Bromoform	0.300	0.320	0.1	6.67	20
Isopropylbenzene	3.945	3.828		-2.97	20
1,1,2,2-Tetrachloroethane	1.127	1.141	0.3	1.24	20
1,3-Dichlorobenzene	1.798	1.747		-2.84	20
1,4-Dichlorobenzene	1.821	1.758		-3.46	20
1,2-Dichlorobenzene	1.718	1.683		-2.04	20
1,2-Dibromo-3-Chloropropane	0.216	0.231		6.94	20
1,2,4-Trichlorobenzene	1.135	1.121		-1.23	20
1,2,3-Trichlorobenzene	1.094	1.054		-3.66	20
1,2-Dichloroethane-d4	0.623	0.583		-6.42	20
Dibromofluoromethane	0.309	0.317		2.59	20
Toluene-d8	1.000	0.887		-11.3	20
4-Bromofluorobenzene	0.431	0.427		-0.93	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\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	222209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	370615	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	329997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	165820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	129559	46.806	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.620%			
35) Dibromofluoromethane	5.385	113	117517	51.356	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.720%			
50) Toluene-d8	8.647	98	328825	44.372	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 88.740%#			
62) 4-Bromofluorobenzene	11.079	95	158071	49.497	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	155590	52.715	ug/l	100
3) Chloromethane	1.307	50	137480	47.089	ug/l	99
4) Vinyl Chloride	1.392	62	157861	50.300	ug/l	99
5) Bromomethane	1.624	94	93907	55.083	ug/l	93
6) Chloroethane	1.703	64	93985	45.596	ug/l	98
7) Trichlorofluoromethane	1.904	101	235450	50.312	ug/l	100
8) Diethyl Ether	2.142	74	84117	50.979	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	139422	49.450	ug/l	99
10) Methyl Iodide	2.465	142	233157	81.141	ug/l	98
11) Tert butyl alcohol	2.959	59	83732	259.145	ug/l	96
12) 1,1-Dichloroethene	2.331	96	136776	48.979	ug/l	98
13) Acrolein	2.246	56	206229	346.019	ug/l	98
14) Allyl chloride	2.678	41	244509	48.438	ug/l	98
15) Acrylonitrile	3.075	53	342687	259.583	ug/l	99
16) Acetone	2.386	43	290870	262.311	ug/l	99
17) Carbon Disulfide	2.526	76	386866	47.887	ug/l	99
18) Methyl Acetate	2.709	43	170441	57.839	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	450282	52.982	ug/l	100
20) Methylene Chloride	2.800	84	150032	49.181	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	143173	50.102	ug/l	97
22) Diisopropyl ether	3.764	45	493086	50.807	ug/l	93
23) Vinyl Acetate	3.727	43	2086840	268.090	ug/l	99
24) 1,1-Dichloroethane	3.617	63	262729	48.683	ug/l	99
25) 2-Butanone	4.562	43	386326	239.268	ug/l	99
26) 2,2-Dichloropropane	4.483	77	212515	50.870	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	166093	49.083	ug/l	99
28) Bromochloromethane	4.904	49	126965	51.137	ug/l	99
29) Tetrahydrofuran	5.019	42	247390	237.470	ug/l	99
30) Chloroform	5.099	83	270514	49.242	ug/l	99
31) Cyclohexane	5.477	56	241451	46.661	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	235167	49.285	ug/l	99
36) 1,1-Dichloropropene	5.696	75	186422	47.793	ug/l	100
37) Ethyl Acetate	4.715	43	207345	57.688	ug/l	96
38) Carbon Tetrachloride	5.678	117	204829	49.200	ug/l	98
39) Methylcyclohexane	7.379	83	232810	47.804	ug/l	98
40) Benzene	6.044	78	561481	49.740	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	86875	46.227 ug/l	91
42) 1,2-Dichloroethane	6.092	62	205046	51.566 ug/l	99
43) Isopropyl Acetate	6.342	43	307837	54.939 ug/l	99
44) Trichloroethene	7.129	130	142617	49.268 ug/l	98
45) 1,2-Dichloropropane	7.428	63	143089	50.611 ug/l	98
46) Dibromomethane	7.580	93	104791	52.854 ug/l	99
47) Bromodichloromethane	7.818	83	218872	51.865 ug/l	99
48) Methyl methacrylate	7.690	41	155179	50.837 ug/l	97
49) 1,4-Dioxane	7.671	88	33749	972.087 ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	882345	264.926 ug/l	98
52) Toluene	8.714	92	348287	50.178 ug/l	99
53) t-1,3-Dichloropropene	8.976	75	209827	52.654 ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	225848	51.782 ug/l	96
55) 1,1,2-Trichloroethane	9.147	97	136289	52.358 ug/l	98
56) Ethyl methacrylate	9.116	69	213603	55.430 ug/l	99
57) 1,3-Dichloropropane	9.305	76	233683	51.654 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	507700	236.756 ug/l	99
59) 2-Hexanone	9.427	43	616087	279.986 ug/l	100
60) Dibromochloromethane	9.519	129	163831	53.664 ug/l	100
61) 1,2-Dibromoethane	9.610	107	140997	51.802 ug/l	99
64) Tetrachloroethene	9.275	164	116103	48.805 ug/l	97
65) Chlorobenzene	10.073	112	384598	49.749 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.159	131	135093	51.903 ug/l	99
67) Ethyl Benzene	10.189	91	678292	50.181 ug/l	99
68) m/p-Xylenes	10.299	106	507852	100.400 ug/l	99
69) o-Xylene	10.640	106	244621	50.835 ug/l	99
70) Styrene	10.653	104	425811	51.604 ug/l	99
71) Bromoform	10.799	173	105702	53.462 ug/l #	97
73) Isopropylbenzene	10.957	105	634683	48.515 ug/l	99
74) N-amyl acetate	10.842	43	274324	51.971 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.207	83	189270	50.649 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	157017m	51.158 ug/l	
77) Bromobenzene	11.195	156	155095	49.428 ug/l	99
78) n-propylbenzene	11.299	91	754576	48.268 ug/l	100
79) 2-Chlorotoluene	11.360	91	451205	48.283 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	523346	48.423 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	39232	32.932 ug/l	97
82) 4-Chlorotoluene	11.451	91	529783	48.570 ug/l	99
83) tert-Butylbenzene	11.713	119	526971	48.579 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	530631	49.223 ug/l	100
85) sec-Butylbenzene	11.890	105	641966	47.364 ug/l	100
86) p-Isopropyltoluene	12.006	119	536874	47.765 ug/l	100
87) 1,3-Dichlorobenzene	11.963	146	289704	48.591 ug/l	100
88) 1,4-Dichlorobenzene	12.037	146	291463	48.252 ug/l	98
89) n-Butylbenzene	12.329	91	496208	47.076 ug/l	99
90) Hexachloroethane	12.536	117	99243	49.356 ug/l	98
91) 1,2-Dichlorobenzene	12.329	146	279057	48.972 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38332	53.439 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	185818	49.356 ug/l	99
94) Hexachlorobutadiene	13.719	225	59948	46.820 ug/l	99
95) Naphthalene	13.774	128	563399	51.047 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	174714	48.170 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

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

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

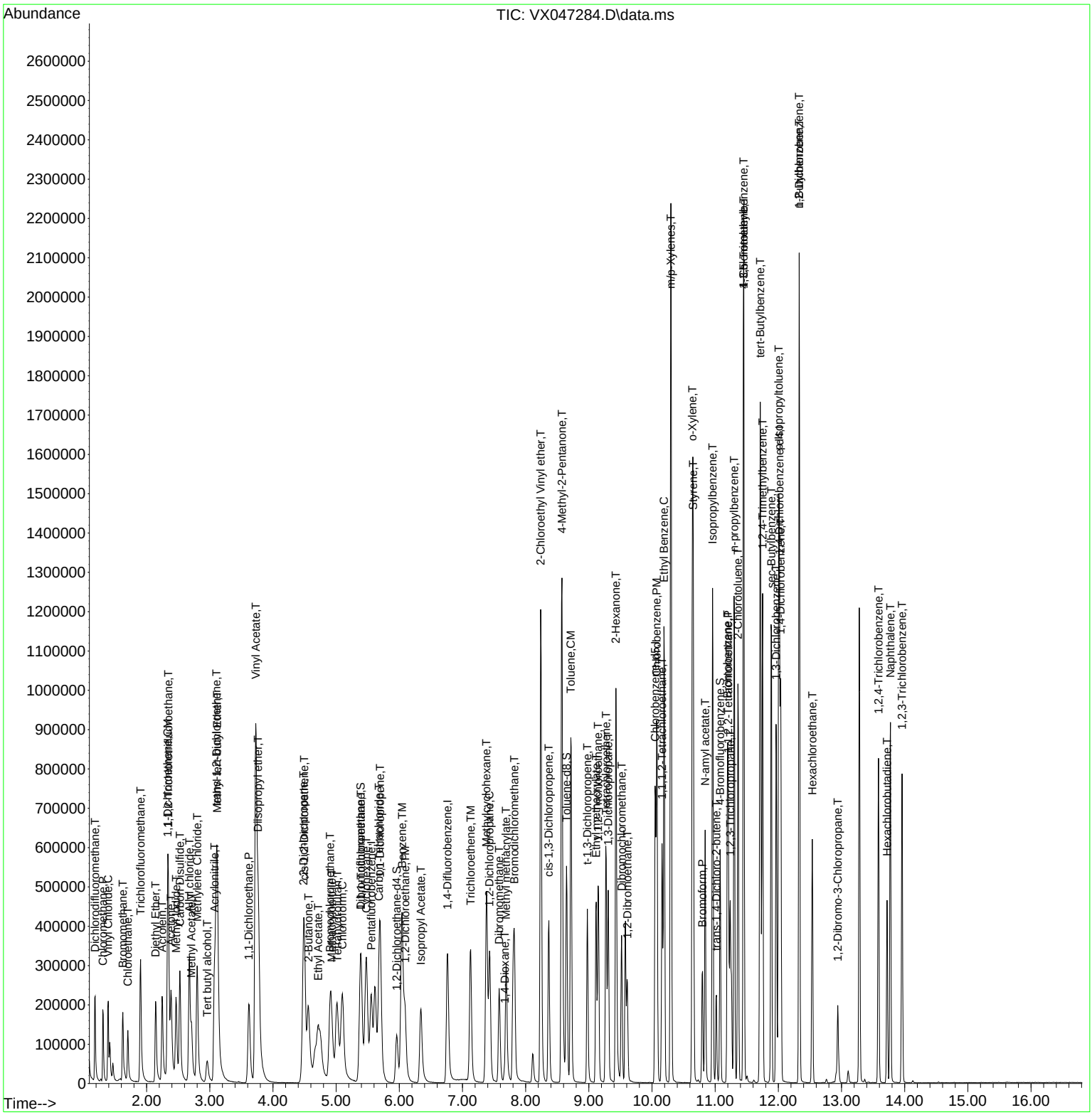
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Acq On : 12 Aug 2025 09:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

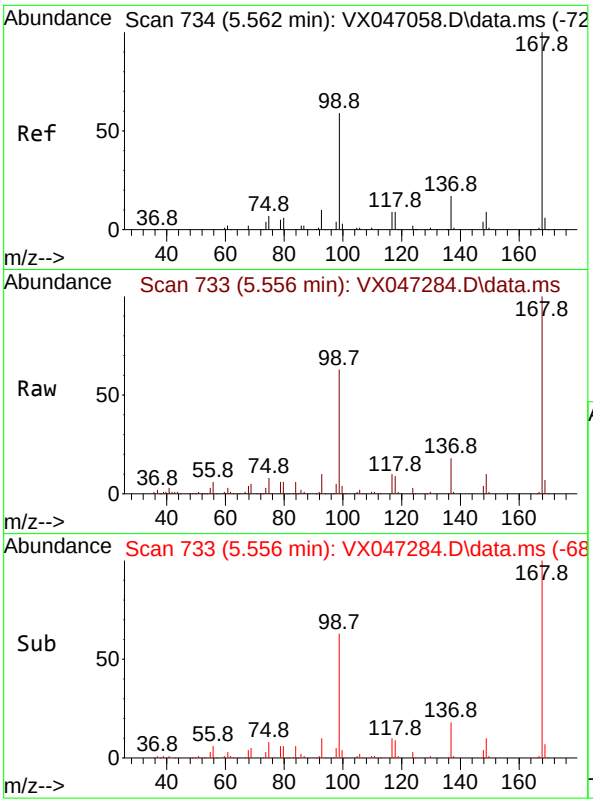
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
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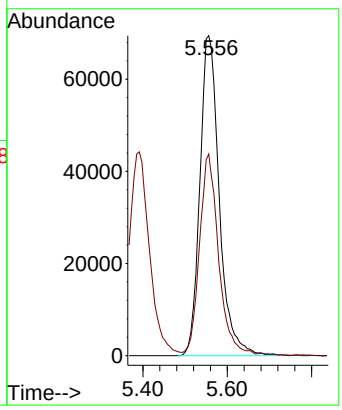




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:168 Resp: 22220

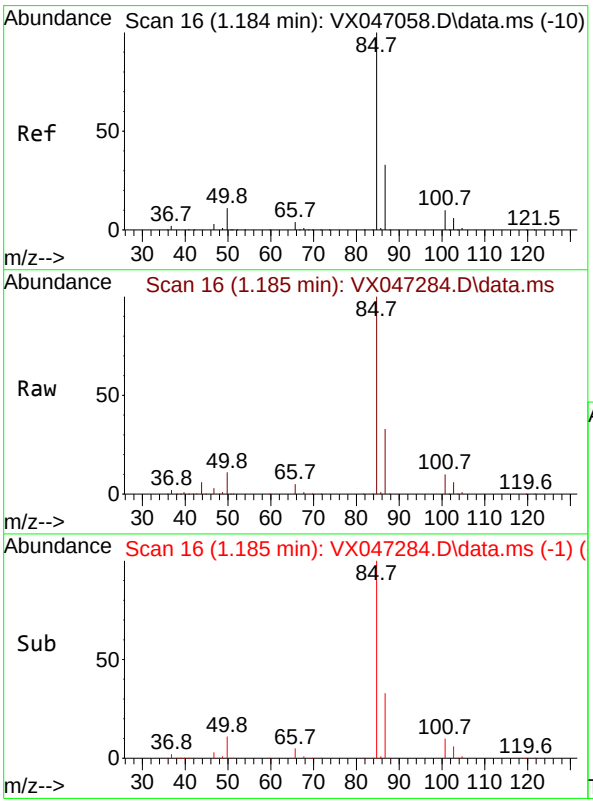
Ion	Ratio	Lower	Upper
168	100		
99	62.8	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

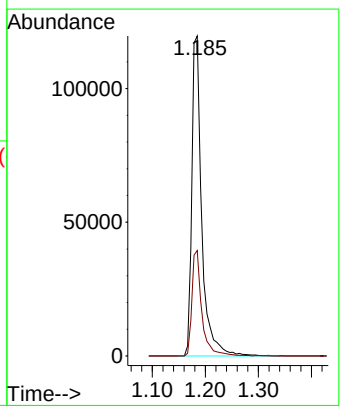
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

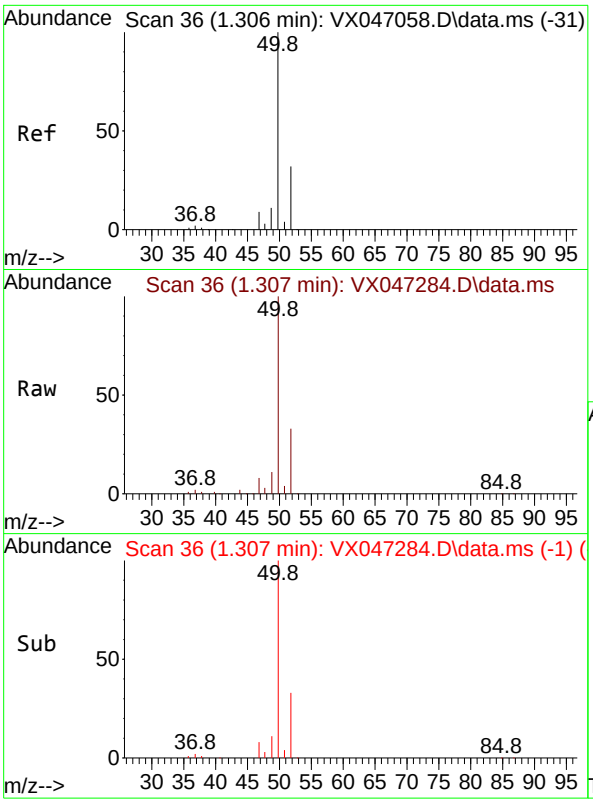


#2
Dichlorodifluoromethane
Concen: 52.715 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 85 Resp: 155590

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.6	49.8

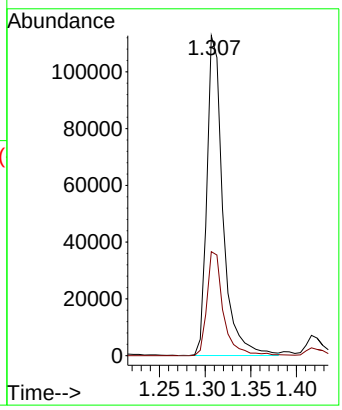




#3
Chloromethane
Concen: 47.089 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 50 Resp: 13748

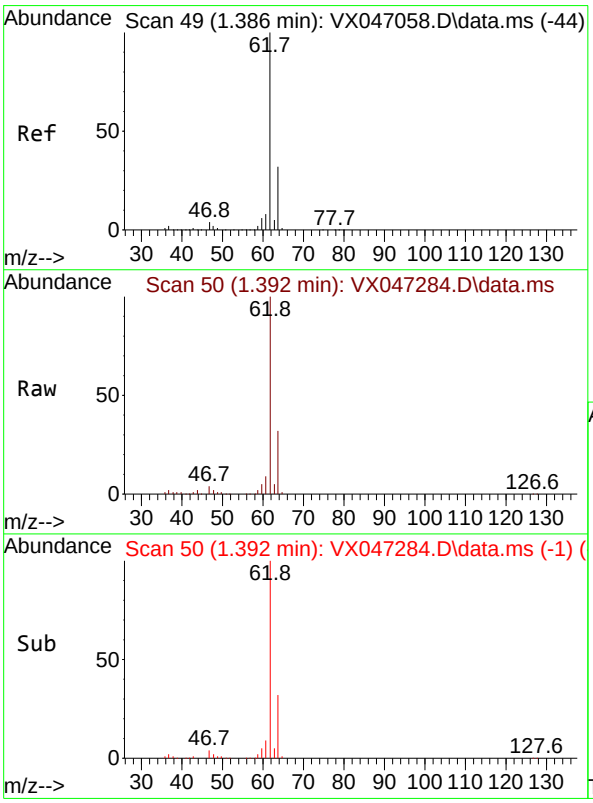
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

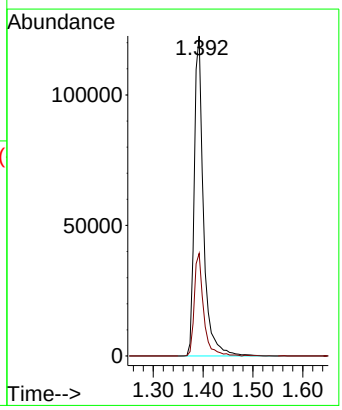
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

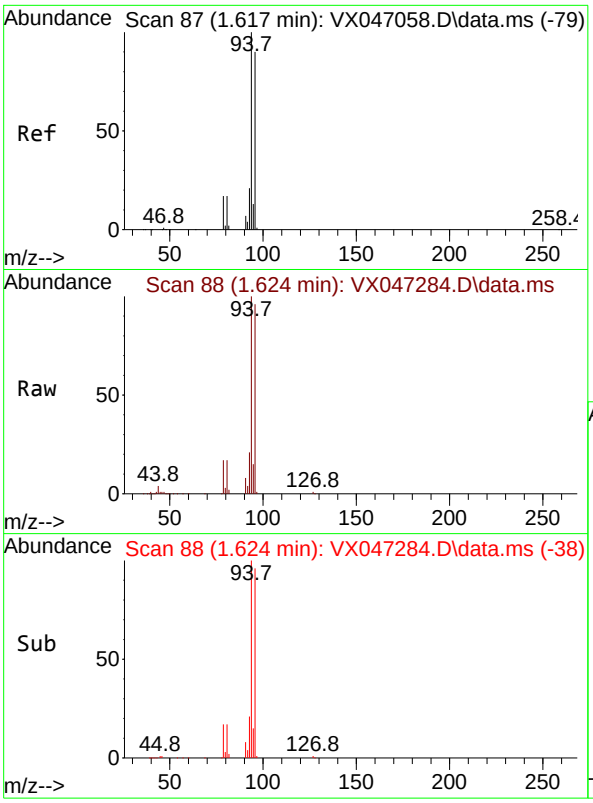


#4
Vinyl Chloride
Concen: 50.300 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 62 Resp: 157861

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.2	37.8

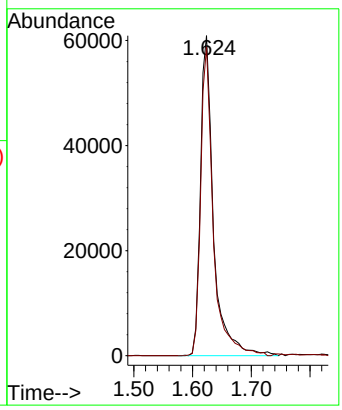




#5
Bromomethane
Concen: 55.083 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 94 Resp: 9390

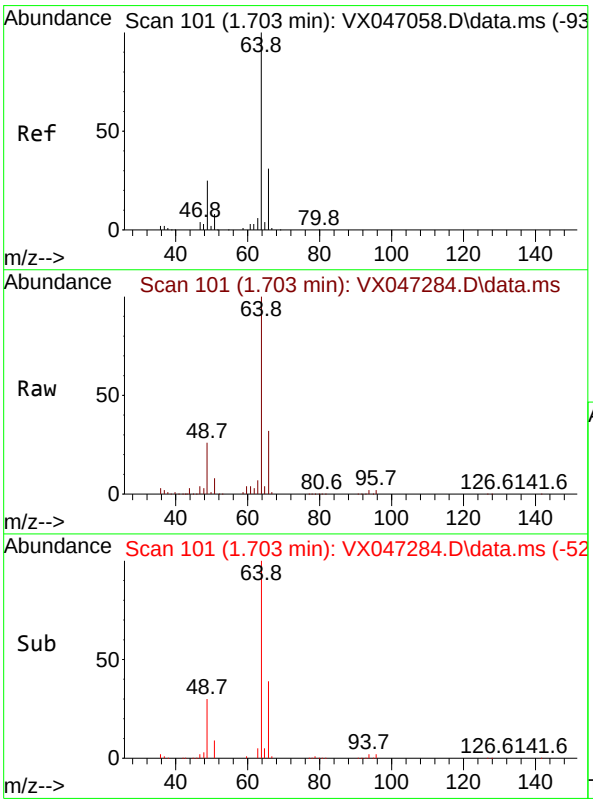
Ion	Ratio	Lower	Upper
94	100		
96	97.4	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

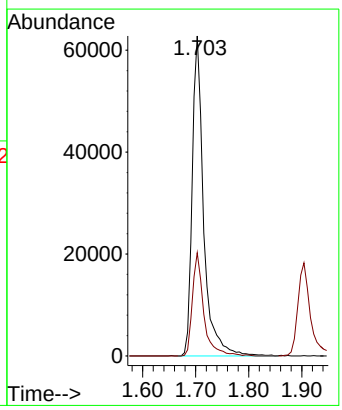
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

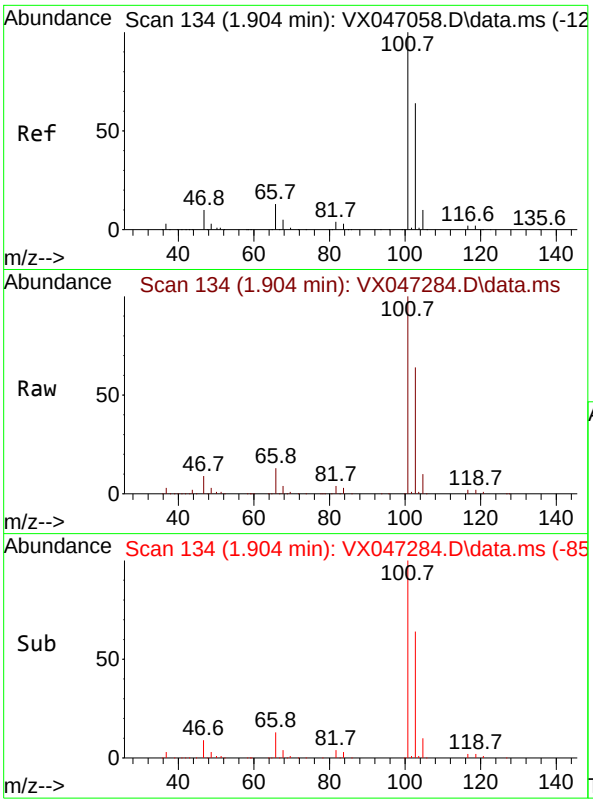


#6
Chloroethane
Concen: 45.596 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 64 Resp: 93985

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.0	37.6





#7
Trichlorofluoromethane
Concen: 50.312 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

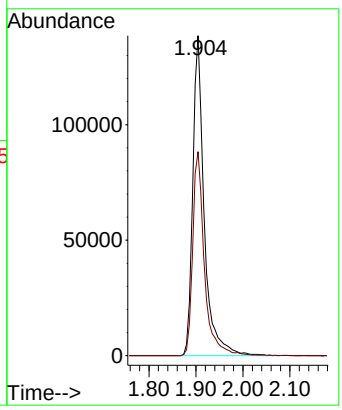
Tgt Ion:101 Resp: 23545

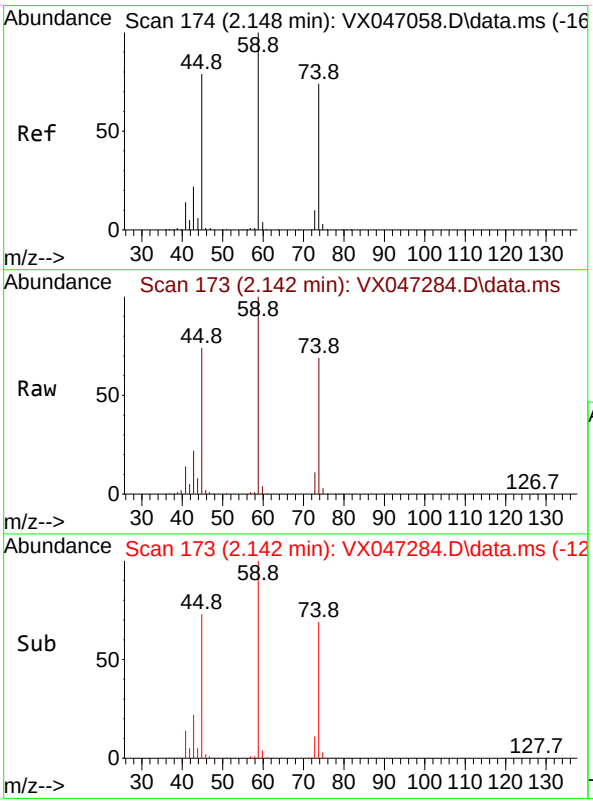
Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.9	76.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

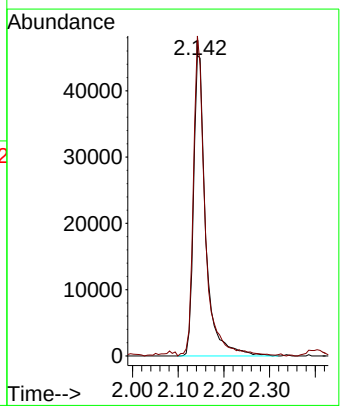


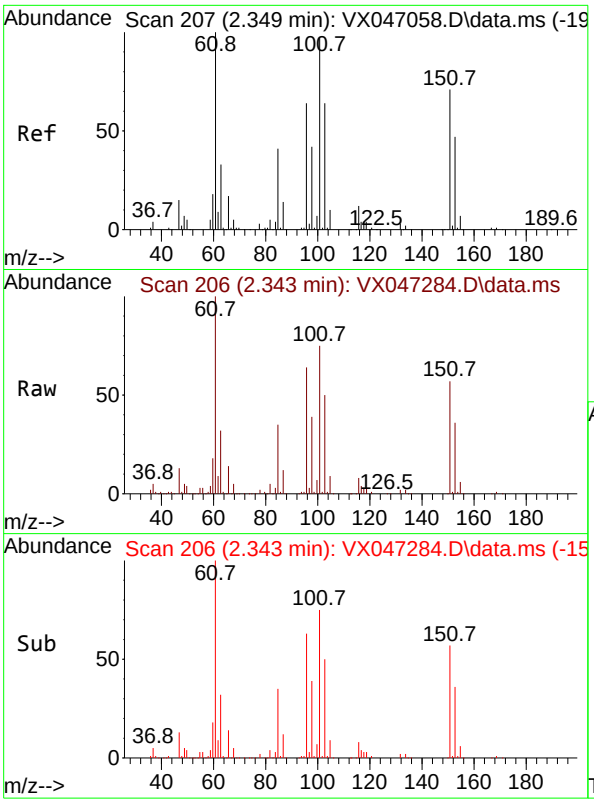


#8
Diethyl Ether
Concen: 50.979 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 74 Resp: 84117

Ion	Ratio	Lower	Upper
74	100		
45	103.5	53.0	159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.450 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

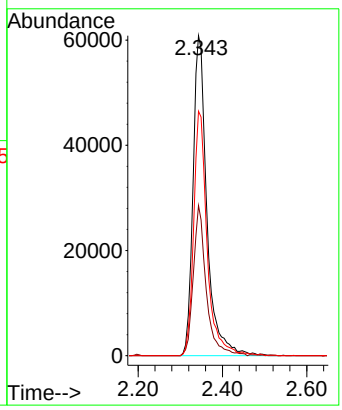
Tgt Ion:101 Resp: 13942

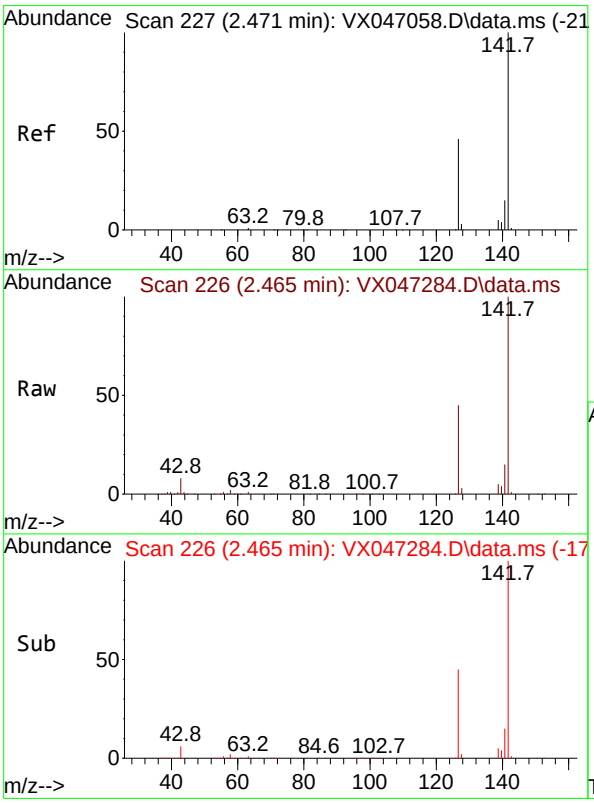
Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.4	53.0
151	74.7	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

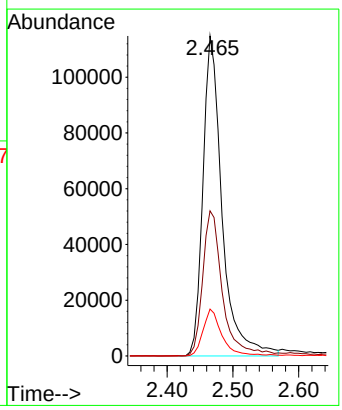


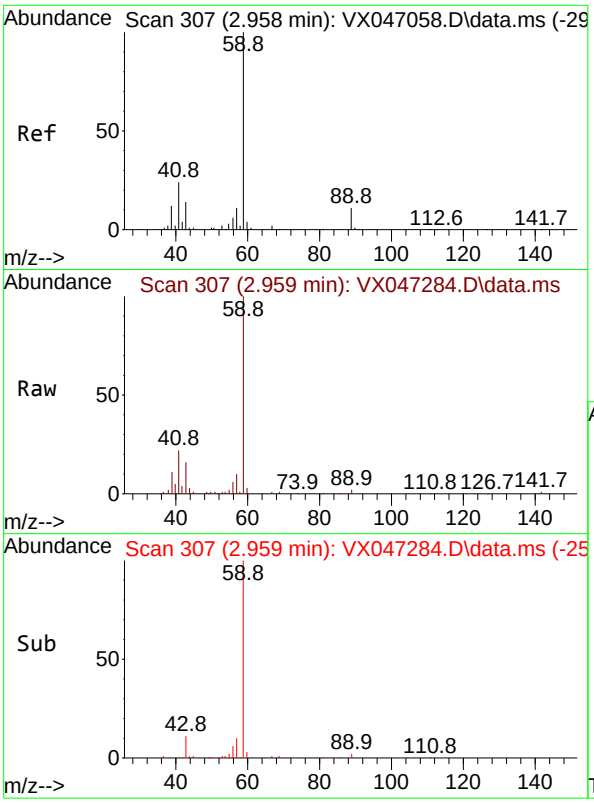


#10
Methyl Iodide
Concen: 81.141 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:142 Resp: 233157

Ion	Ratio	Lower	Upper
142	100		
127	47.1	36.6	54.8
141	14.3	10.9	16.3

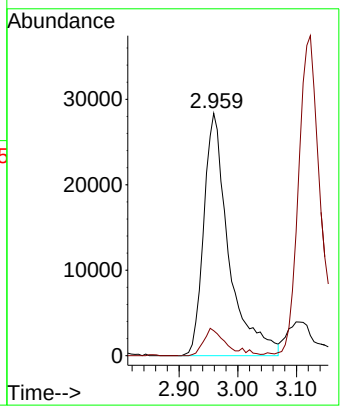




#11
Tert butyl alcohol
Concen: 259.145 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 59 Resp: 8373

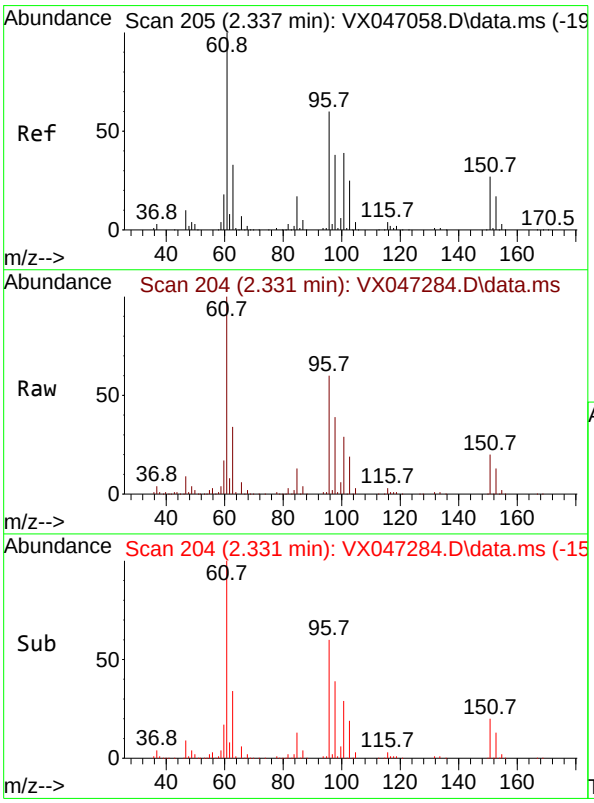
Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

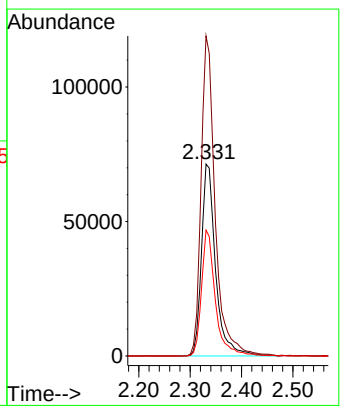
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

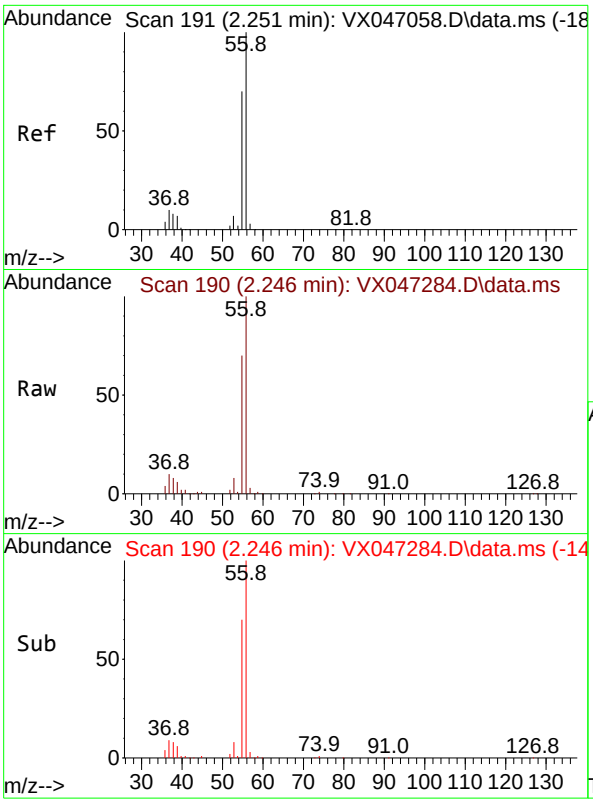


#12
1,1-Dichloroethene
Concen: 48.979 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 96 Resp: 136776

Ion	Ratio	Lower	Upper
96	100		
61	166.8	132.6	198.8
98	67.1	50.2	75.4





#13
Acrolein
Concen: 346.019 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

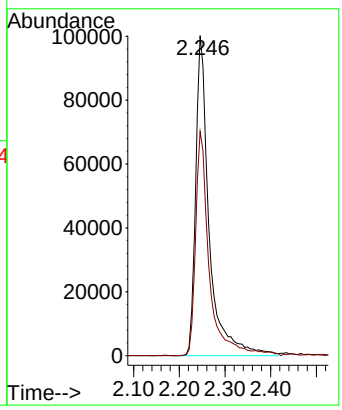
Tgt Ion: 56 Resp: 20622

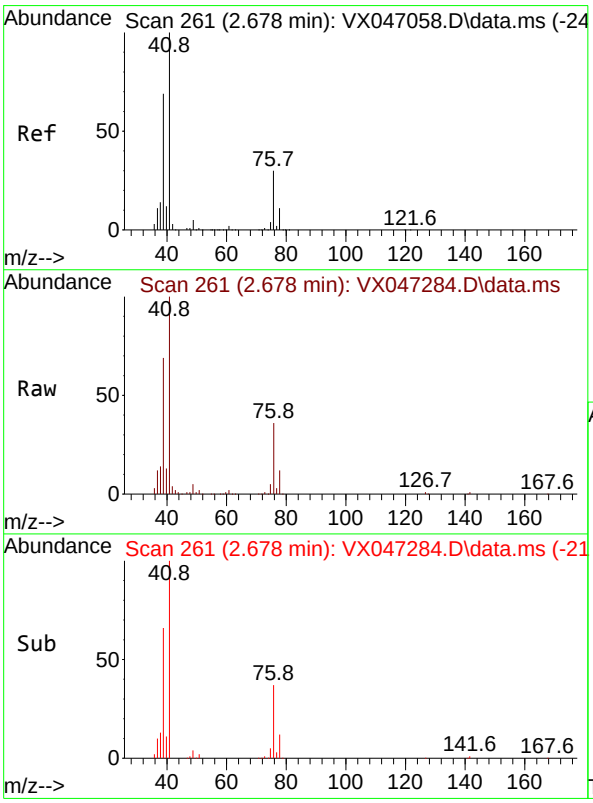
Ion	Ratio	Lower	Upper
56	100		
55	70.9	55.7	83.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

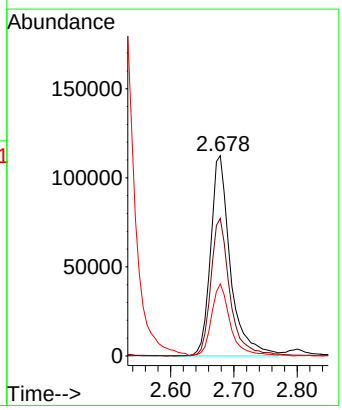


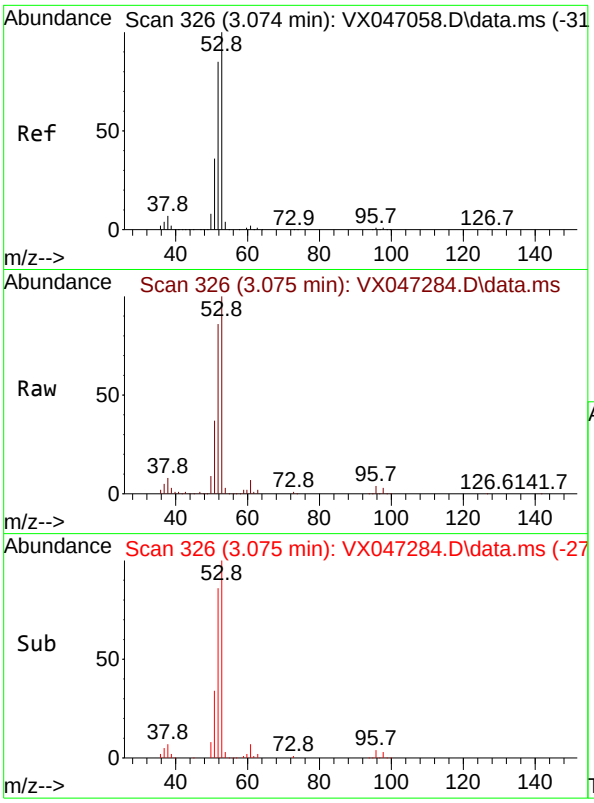


#14
Allyl chloride
Concen: 48.438 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 41 Resp: 244509

Ion	Ratio	Lower	Upper
41	100		
39	67.1	52.6	78.8
76	34.3	25.7	38.5





#15
Acrylonitrile
Concen: 259.583 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

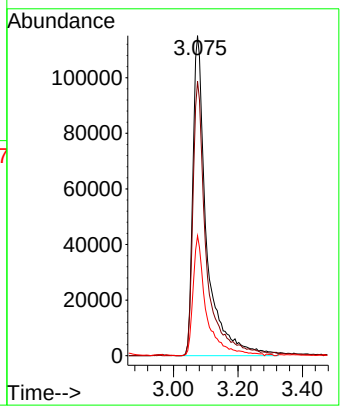
Tgt Ion: 53 Resp: 34268

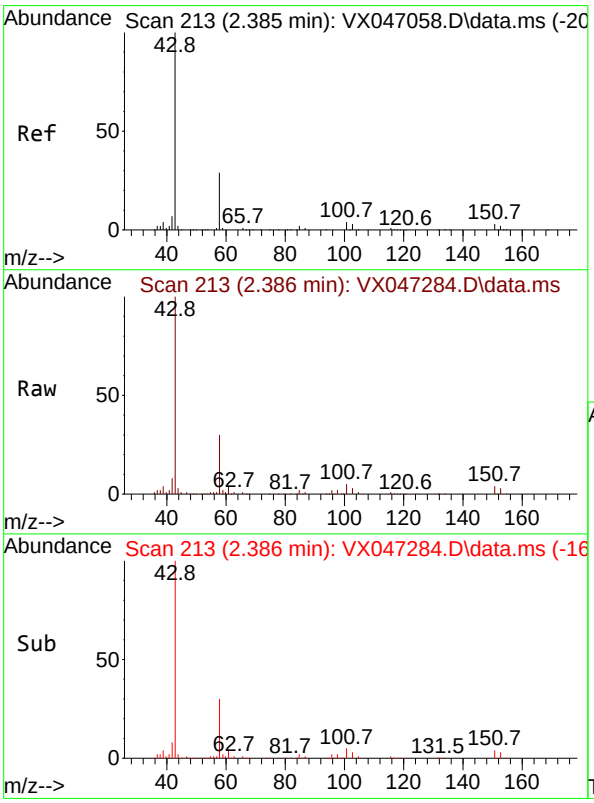
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.7	98.5
51	36.3	28.8	43.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

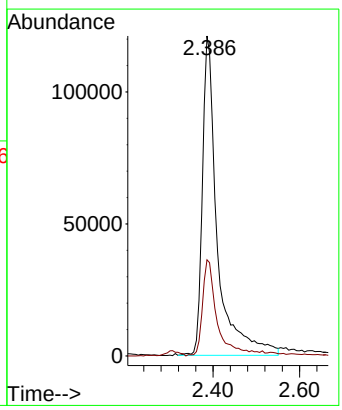


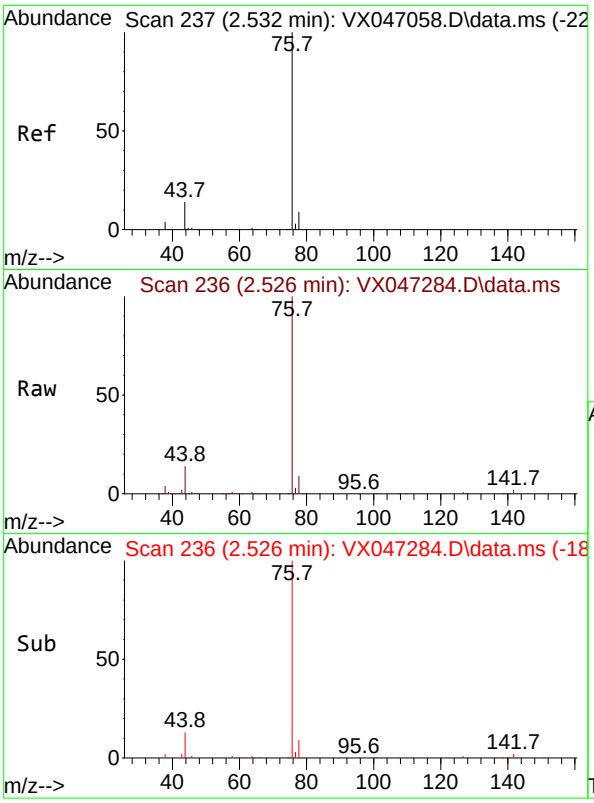


#16
Acetone
Concen: 262.311 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 43 Resp: 290870

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.0	36.0





#17
Carbon Disulfide
Concen: 47.887 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

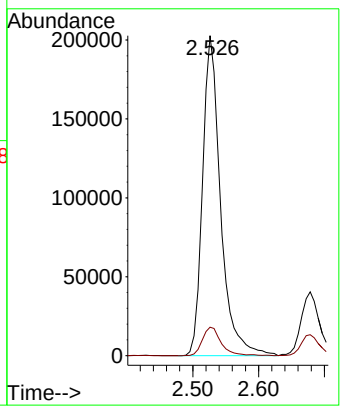
Tgt Ion: 76 Resp: 38686

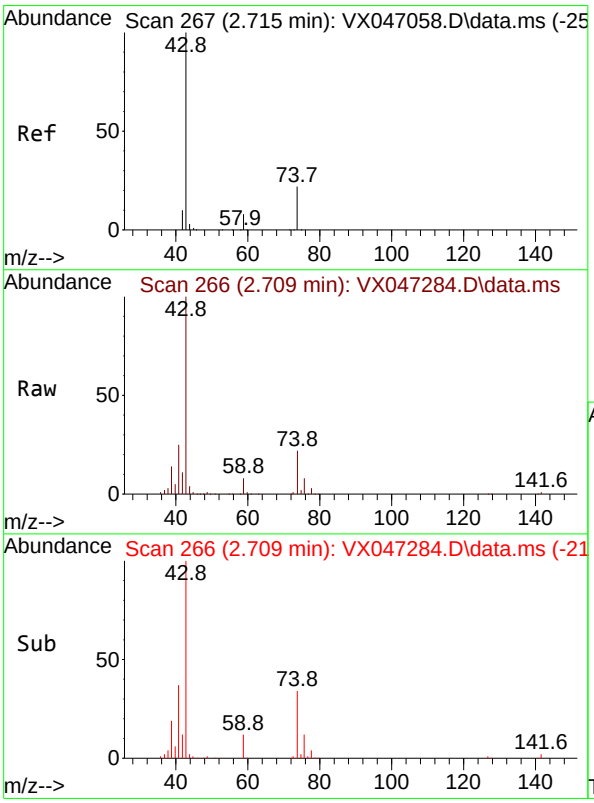
Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Supervised By :Mahesh Dadoda 08/14/2025

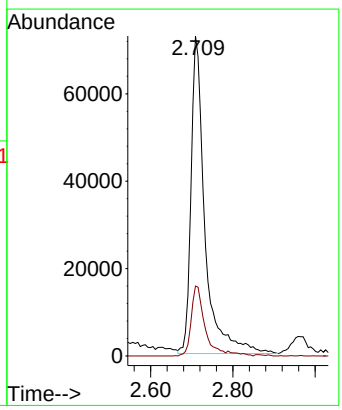


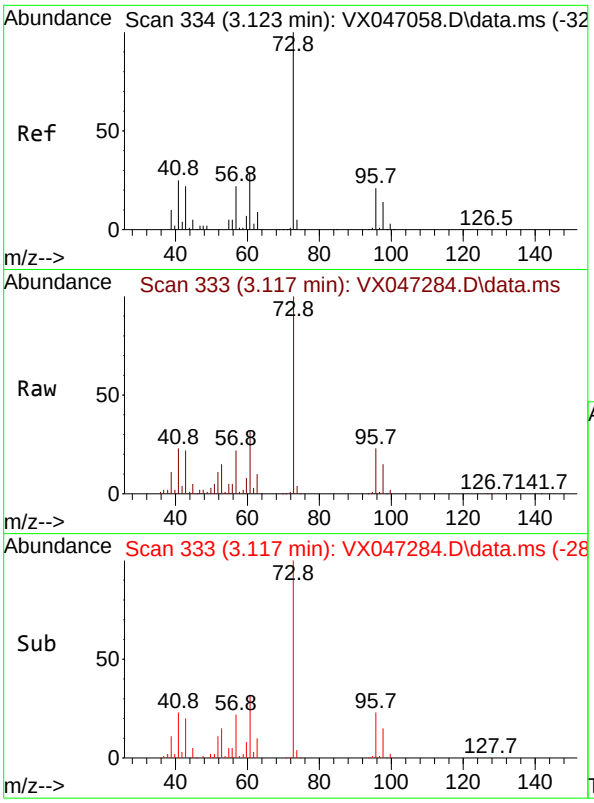


#18
Methyl Acetate
Concen: 57.839 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 43 Resp: 170441

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.7	26.5

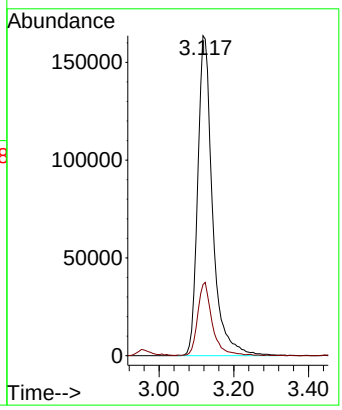




#19
Methyl tert-butyl Ether
Concen: 52.982 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 73 Resp: 45028

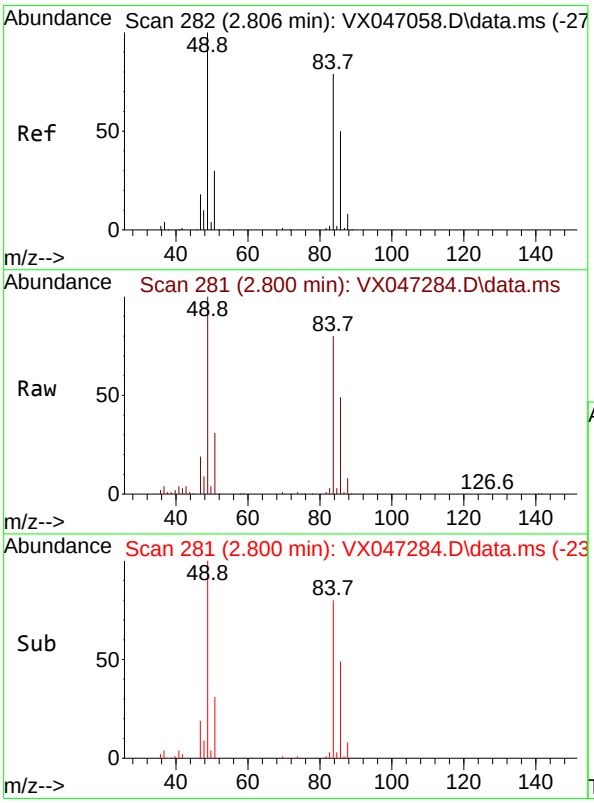
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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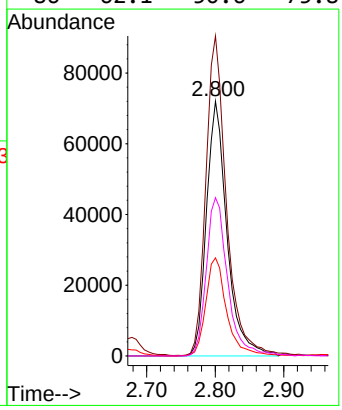
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

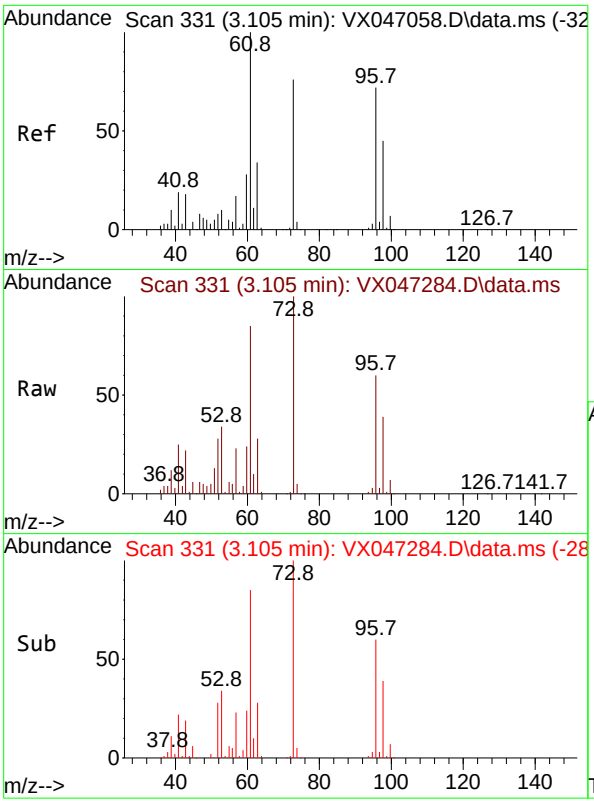


#20
Methylene Chloride
Concen: 49.181 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 84 Resp: 150032

Ion	Ratio	Lower	Upper
84	100		
49	125.4	101.6	152.4
51	38.5	30.3	45.5
86	62.1	50.6	75.8

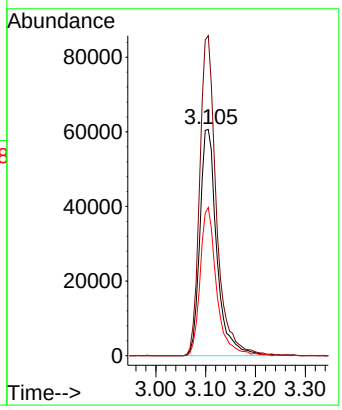




#21
trans-1,2-Dichloroethene
Concen: 50.102 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

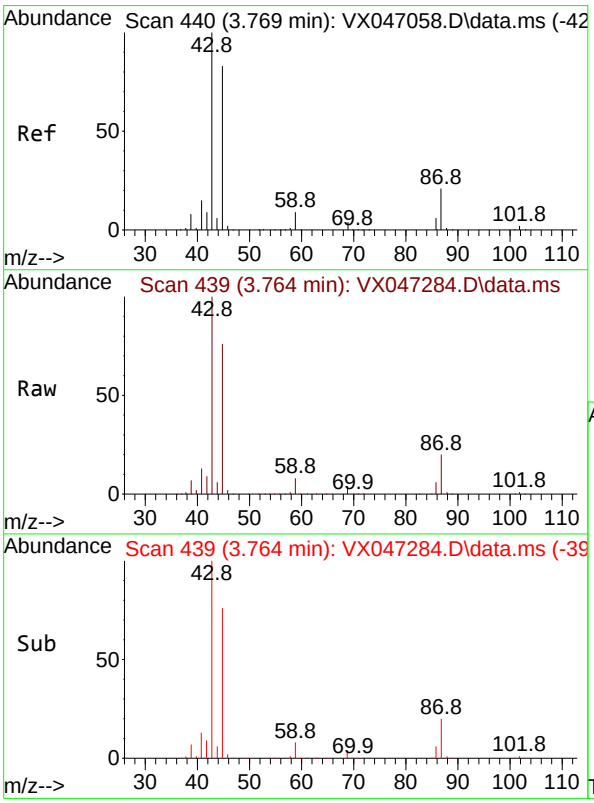
Tgt Ion: 96 Resp: 14317

Ion	Ratio	Lower	Upper
96	100		
61	141.4	111.1	166.7
98	65.5	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

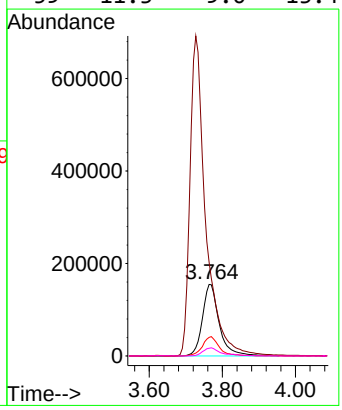
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

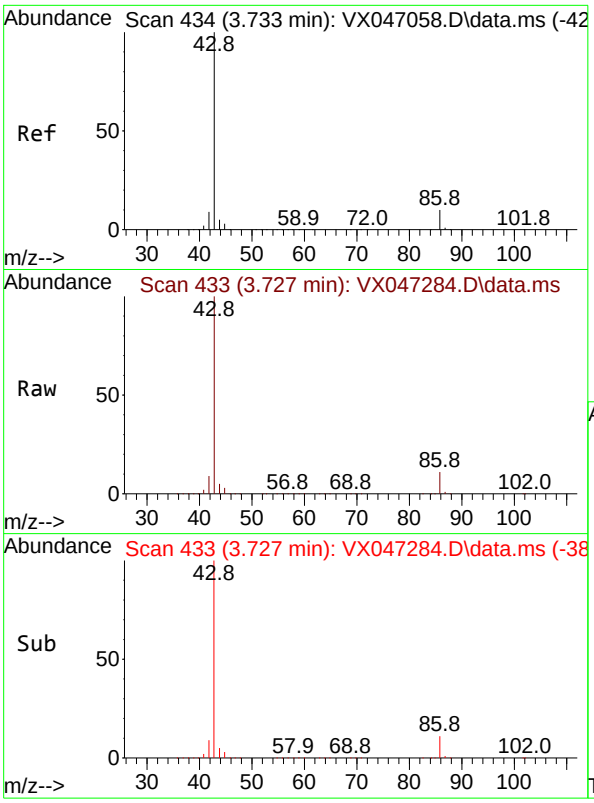


#22
Diisopropyl ether
Concen: 50.807 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 45 Resp: 493086

Ion	Ratio	Lower	Upper
45	100		
43	130.8	96.8	145.2
87	26.0	20.5	30.7
59	11.3	9.0	13.4





#23
Vinyl Acetate
Concen: 268.090 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

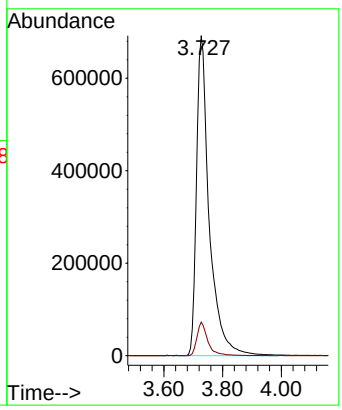
Tgt Ion: 43 Resp: 208684

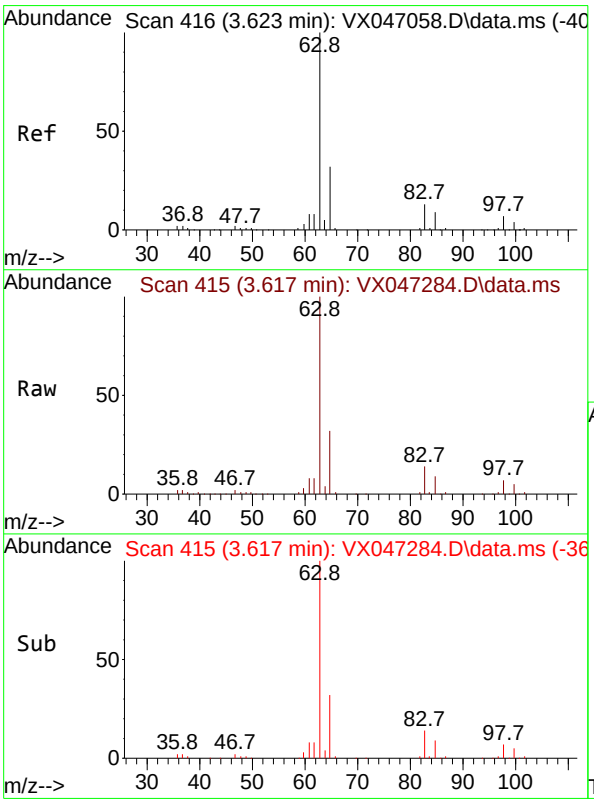
Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

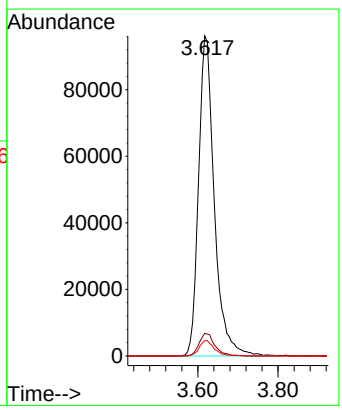


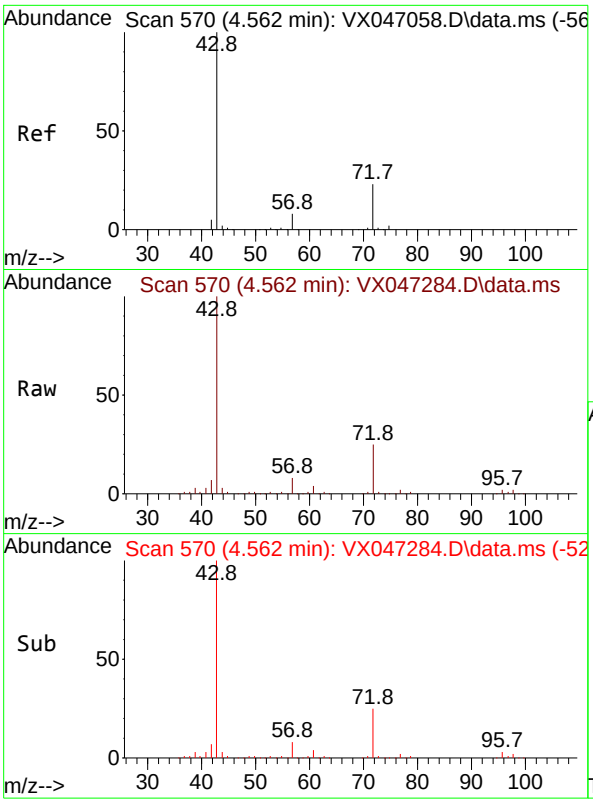


#24
1,1-Dichloroethane
Concen: 48.683 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 63 Resp: 262729

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.6	10.8
100	4.9	2.3	6.8





#25
2-Butanone
Concen: 239.268 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

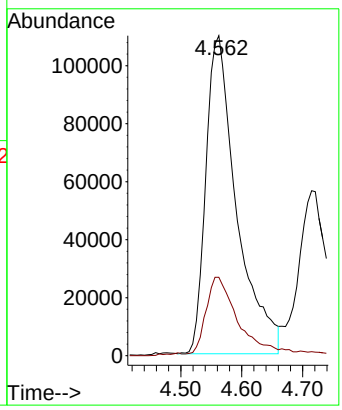
Tgt Ion: 43 Resp: 38632

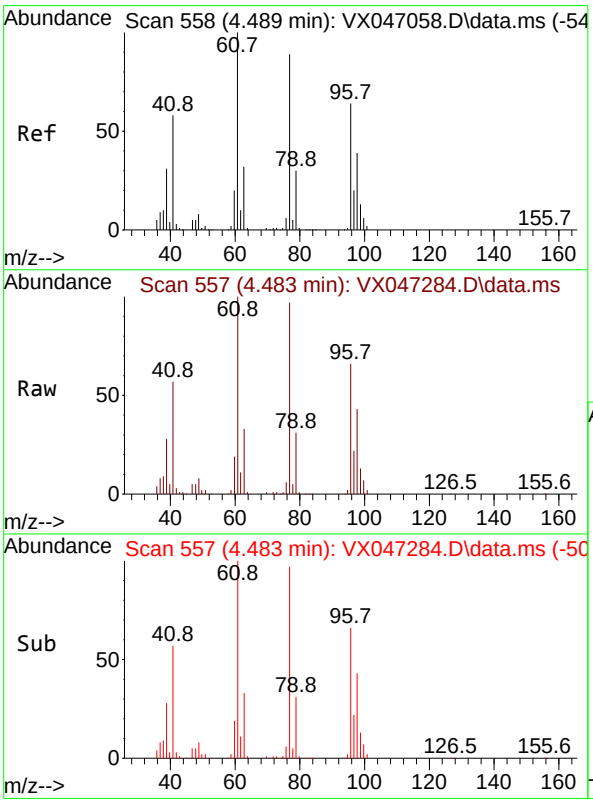
Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 08/13/2025
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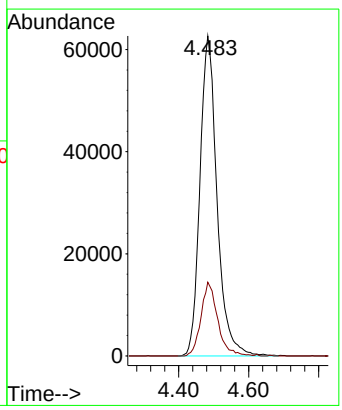


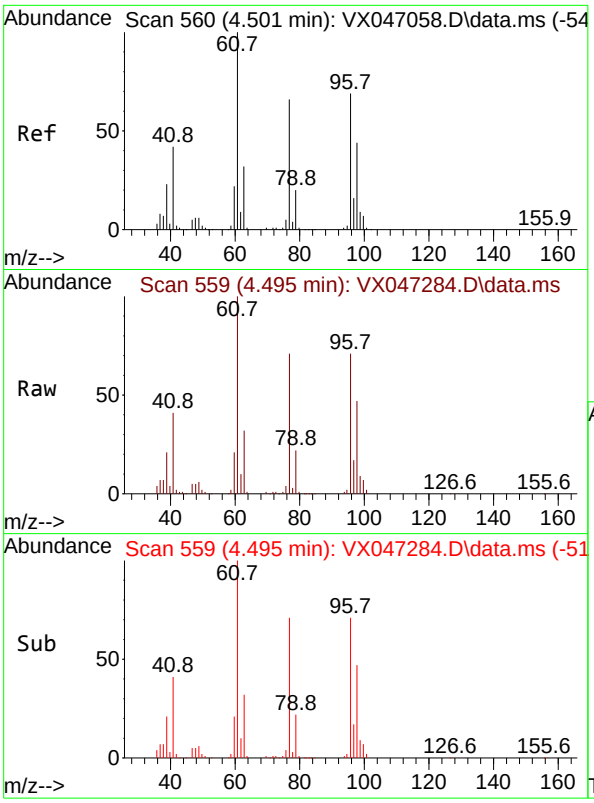


#26
2,2-Dichloropropane
Concen: 50.870 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 77 Resp: 212515

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.1

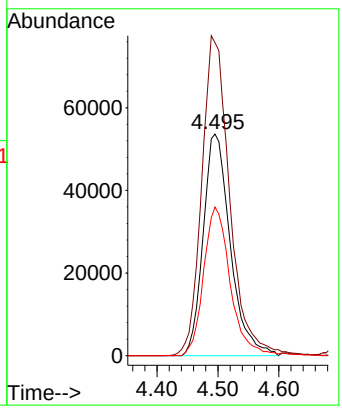




#27
cis-1,2-Dichloroethene
Concen: 49.083 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 96 Resp: 16609

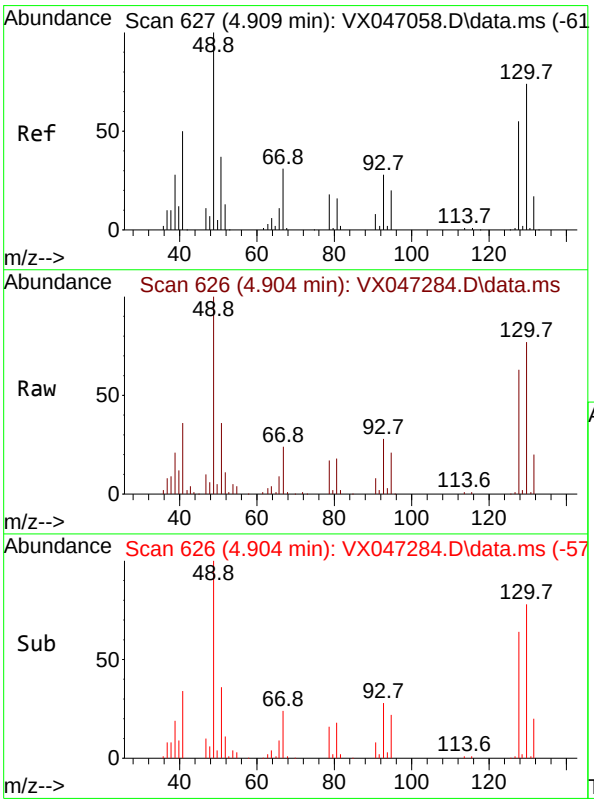
Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	298.6
98	66.4	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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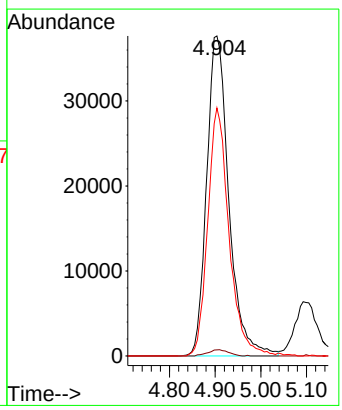
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

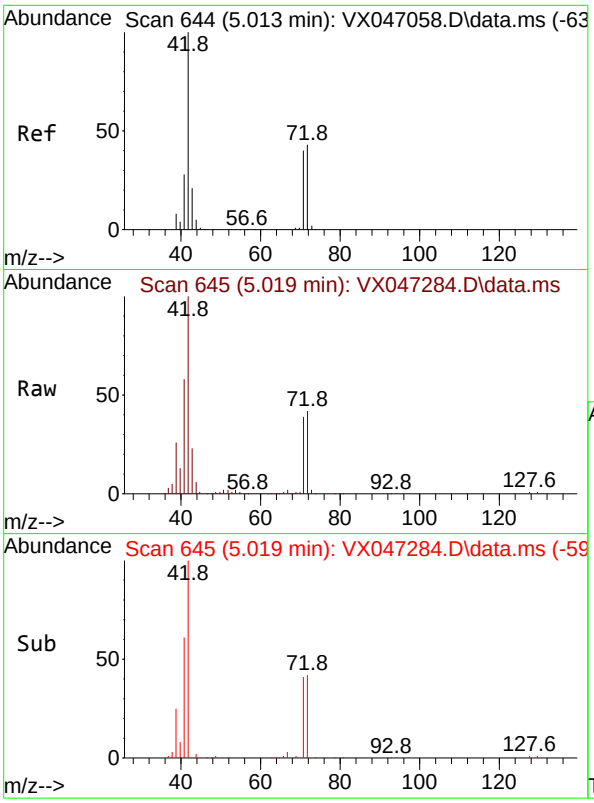


#28
Bromochloromethane
Concen: 51.137 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 49 Resp: 126965

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	74.3	59.0	88.4

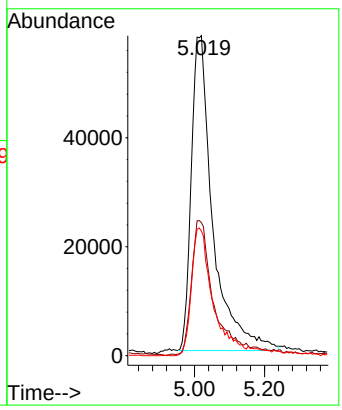




#29
Tetrahydrofuran
Concen: 237.470 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.007 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 42 Resp: 24739

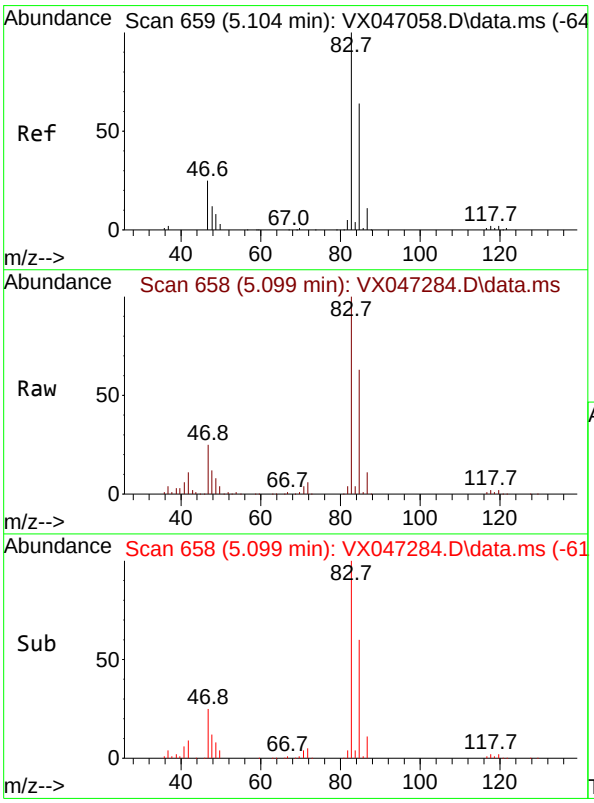
Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.7	50.5
71	39.9	31.0	46.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

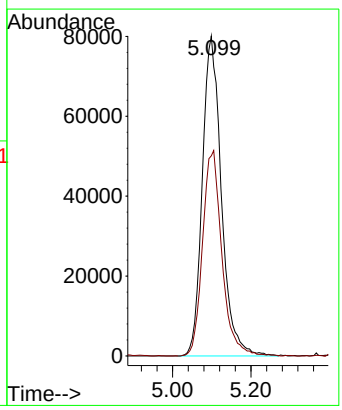
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

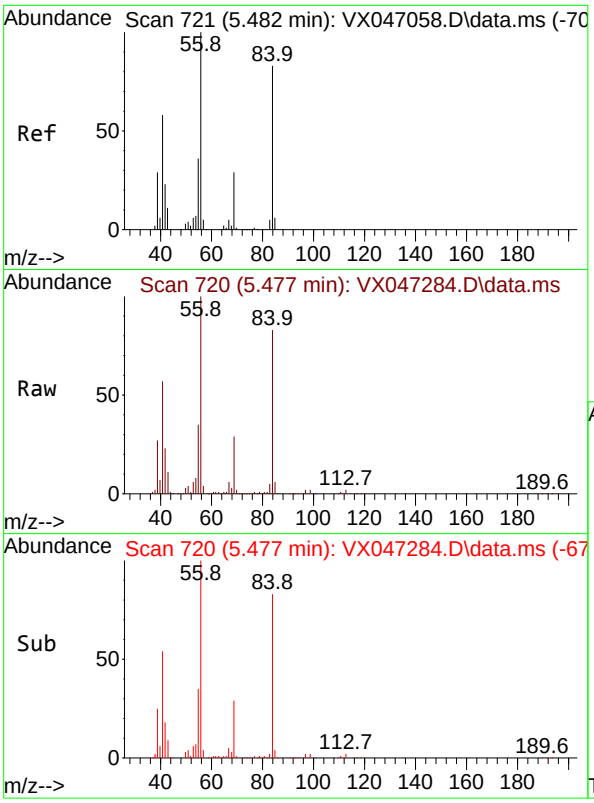


#30
Chloroform
Concen: 49.242 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 83 Resp: 270514

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.9	76.3

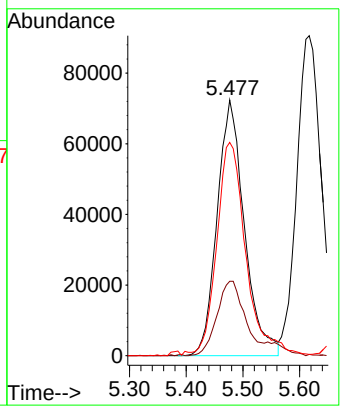




#31
Cyclohexane
Concen: 46.661 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 56 Resp: 24145

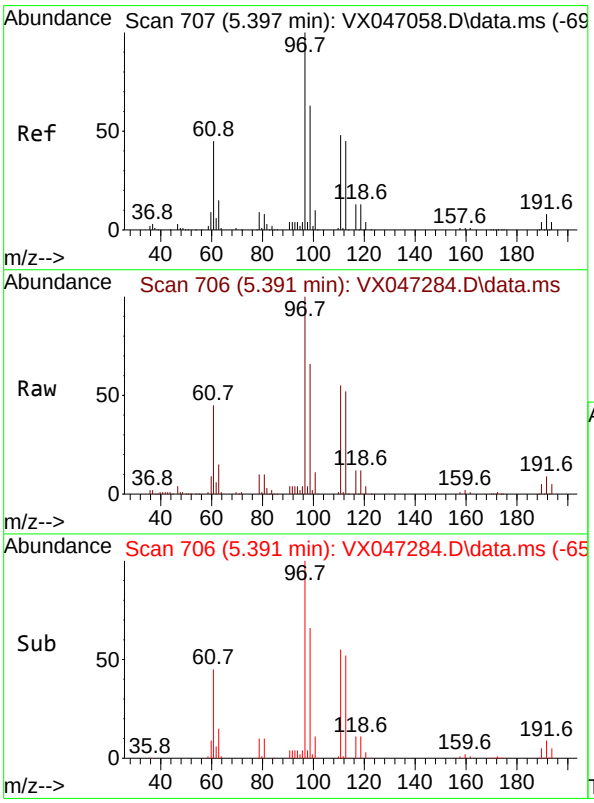
Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.3	34.9
84	81.7	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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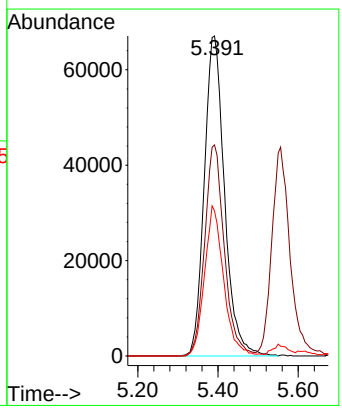
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

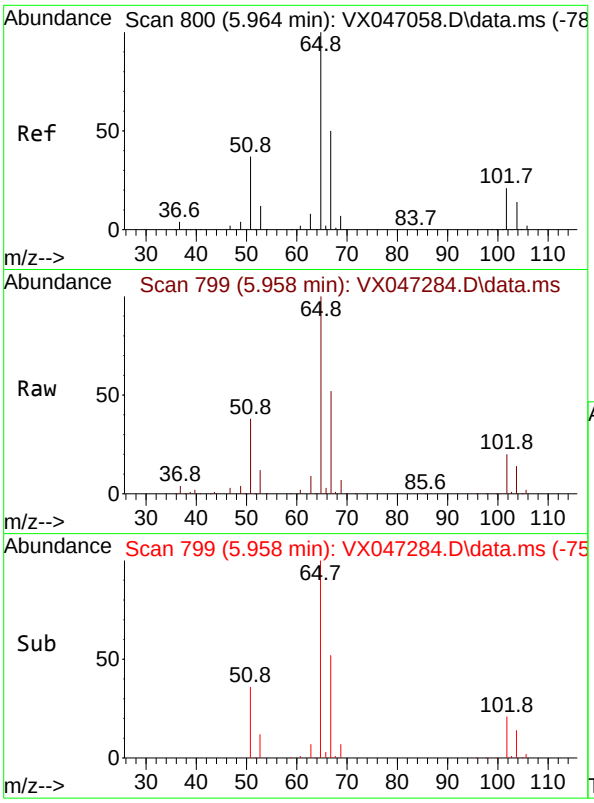


#32
1,1,1-Trichloroethane
Concen: 49.285 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 97 Resp: 235167

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	44.5	37.1	55.7

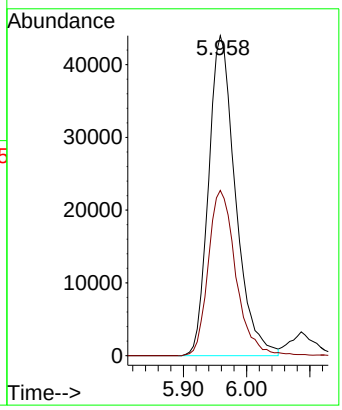




#33
1,2-Dichloroethane-d4
Concen: 46.806 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

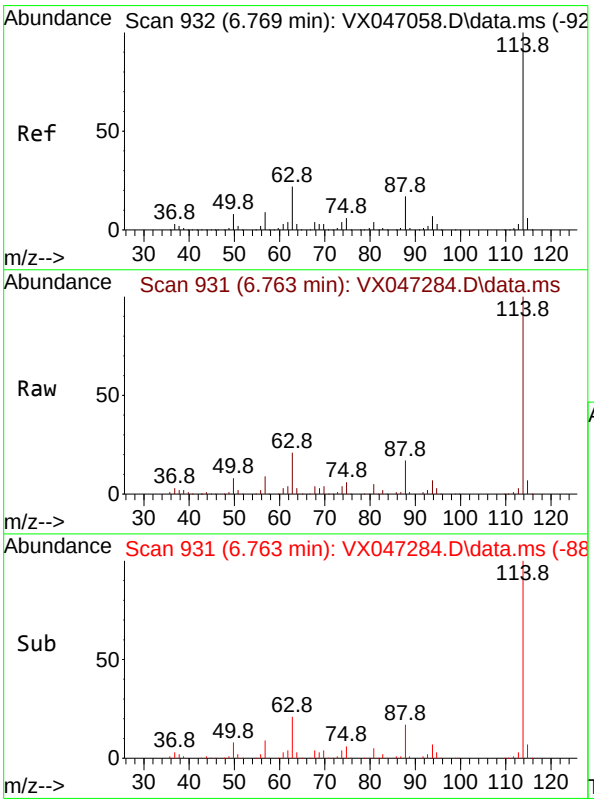
Tgt Ion: 65 Resp: 12955

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

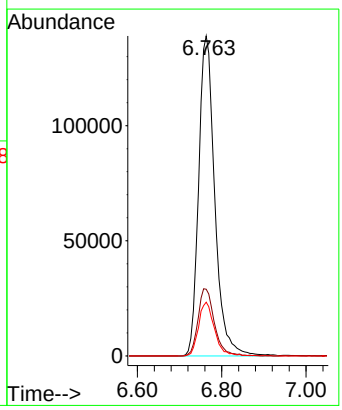
Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

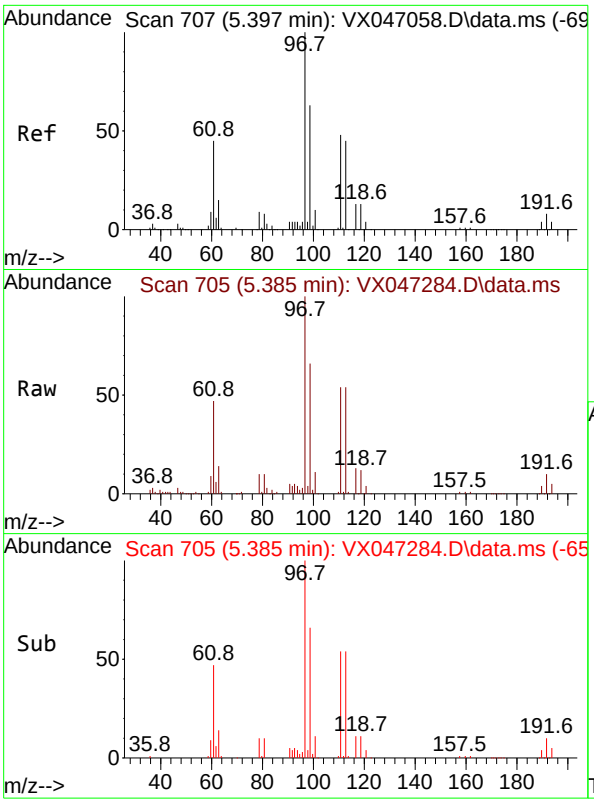


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:114 Resp: 370615

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.2
88	16.8	0.0	33.8

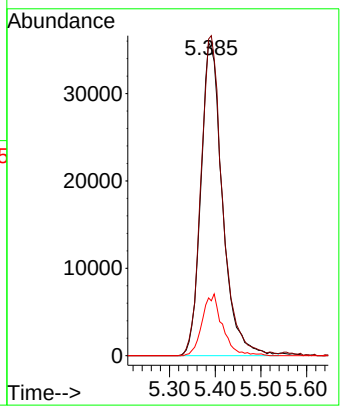




#35
Dibromofluoromethane
Concen: 51.356 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:113 Resp: 11751

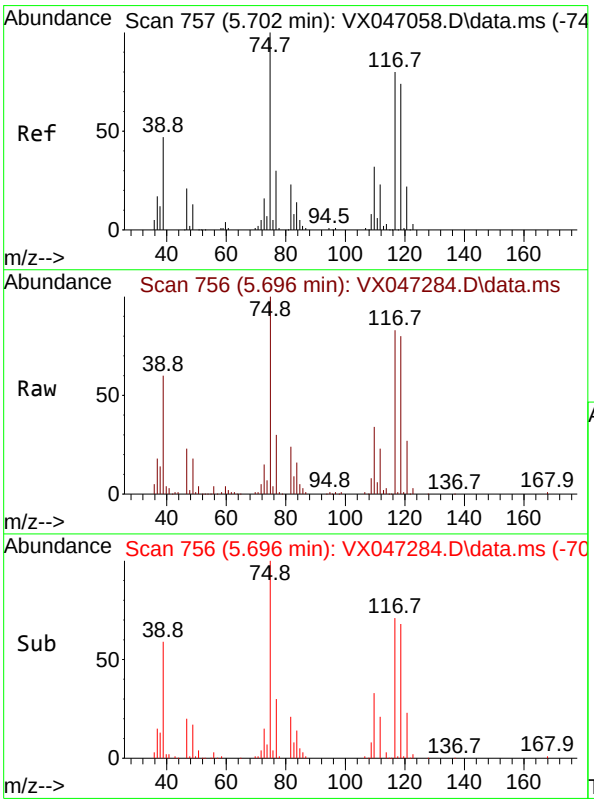
Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	124.0
192	18.5	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

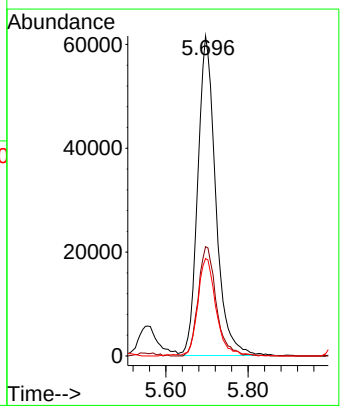
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

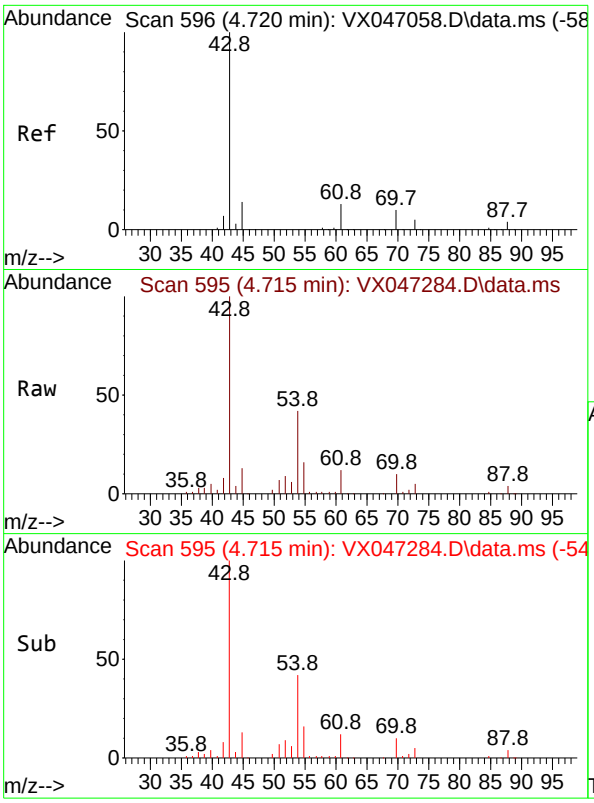


#36
1,1-Dichloropropene
Concen: 47.793 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 75 Resp: 186422

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.2	51.5
77	31.0	25.1	37.7

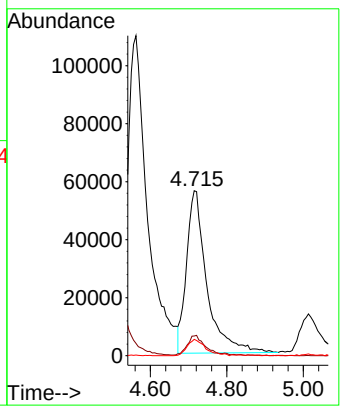




#37
Ethyl Acetate
Concen: 57.688 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 43 Resp: 20734

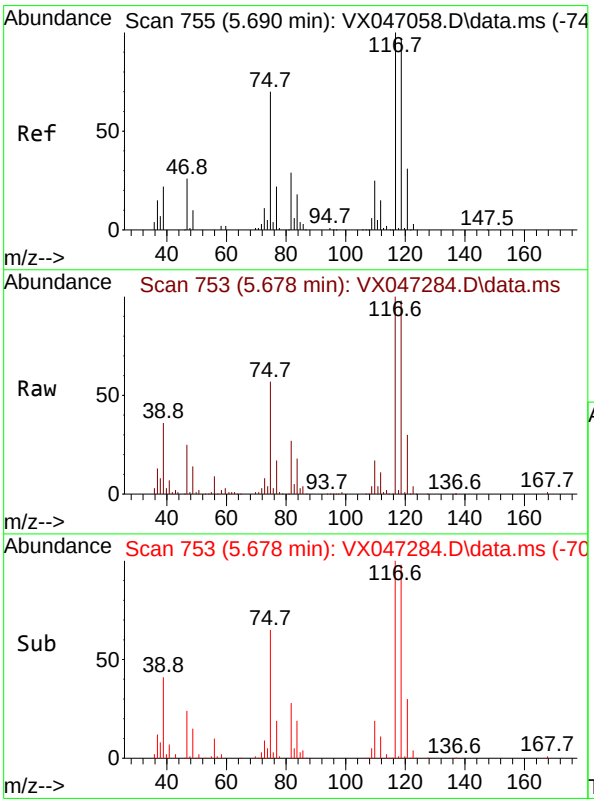
Ion	Ratio	Lower	Upper
43	100		
61	11.1	10.2	15.2
70	9.0	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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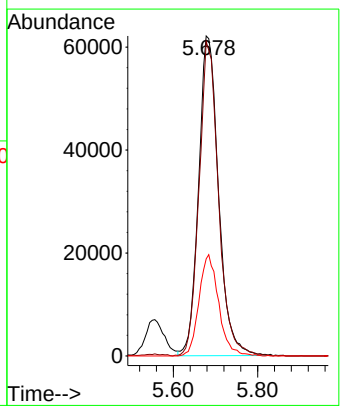
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

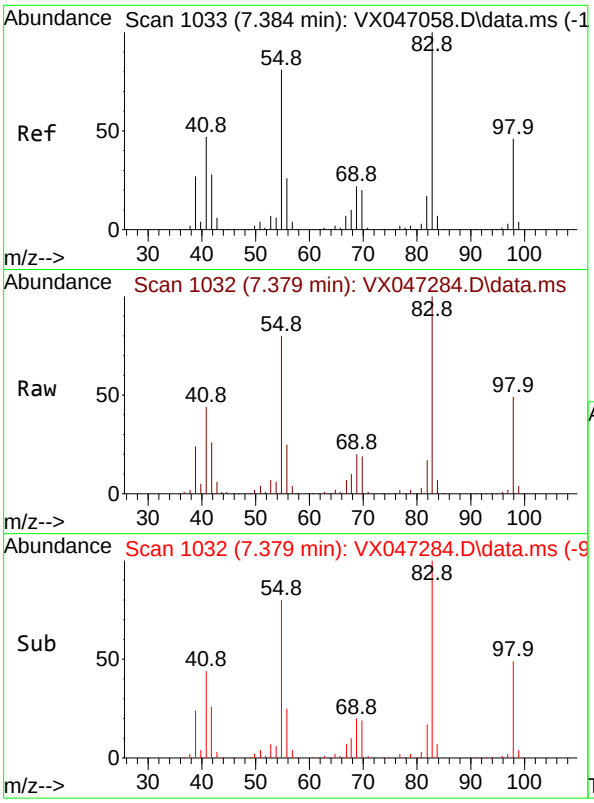


#38
Carbon Tetrachloride
Concen: 49.200 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:117 Resp: 204829

Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.6	115.0
121	30.4	24.4	36.6

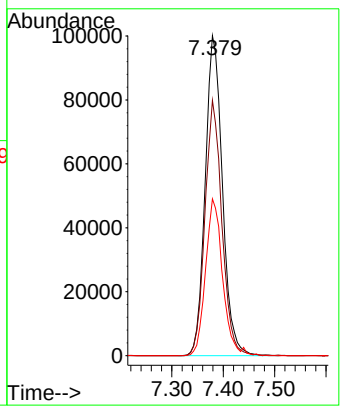




#39
Methylcyclohexane
Concen: 47.804 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 83 Resp: 23281

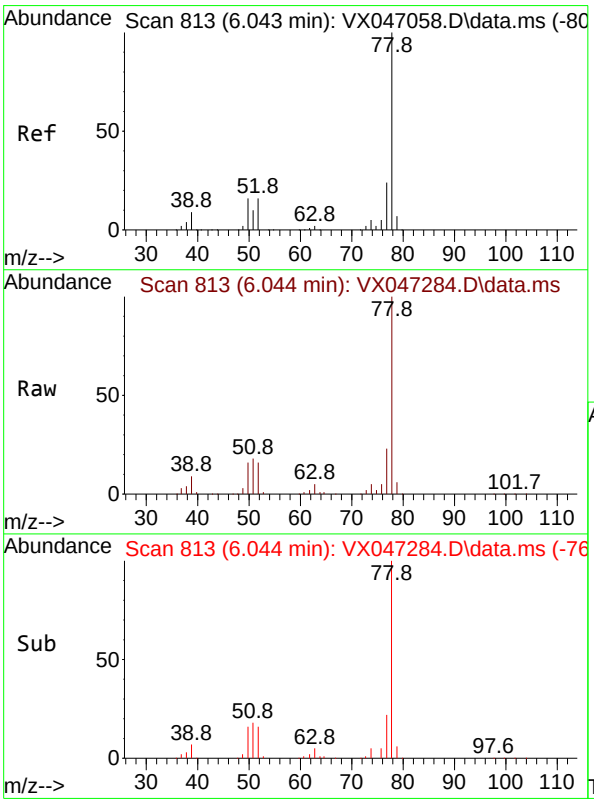
Ion	Ratio	Lower	Upper
83	100		
55	79.8	64.5	96.7
98	49.0	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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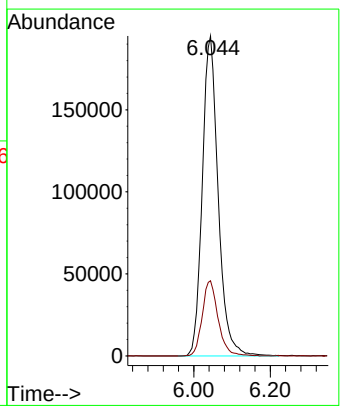
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

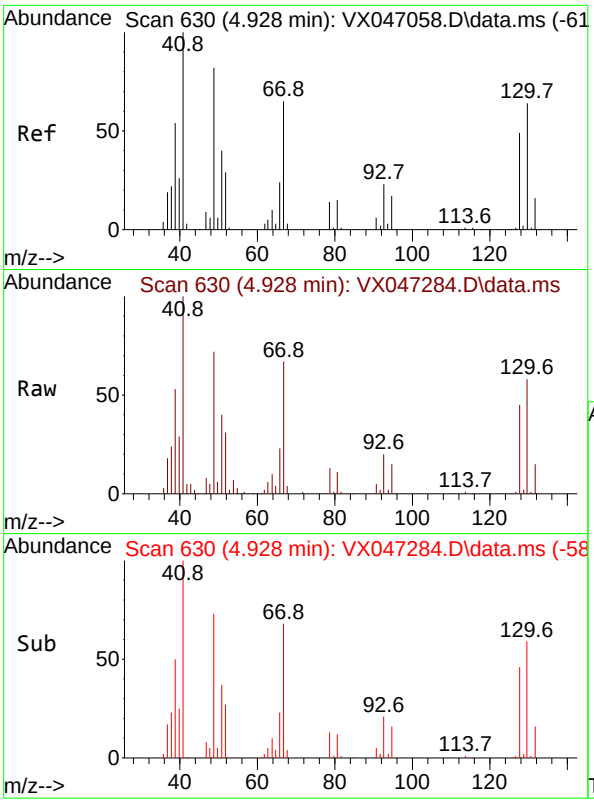


#40
Benzene
Concen: 49.740 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 78 Resp: 561481

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4

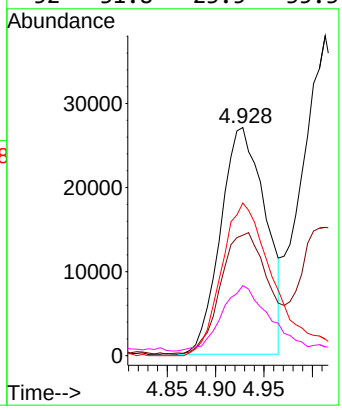




#41
Methacrylonitrile
Concen: 46.227 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 41 Resp: 8687

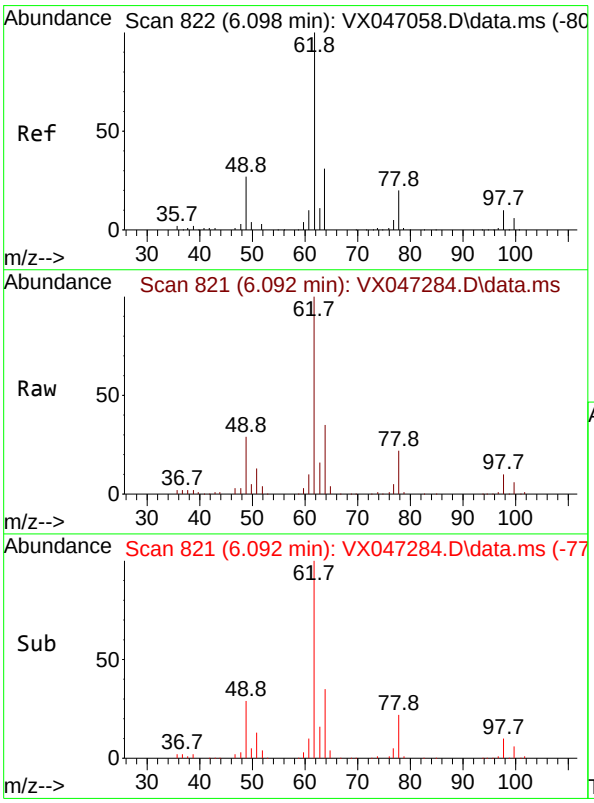
Ion	Ratio	Lower	Upper
41	100		
39	57.6	44.2	66.2
67	83.7	56.4	84.6
52	31.8	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

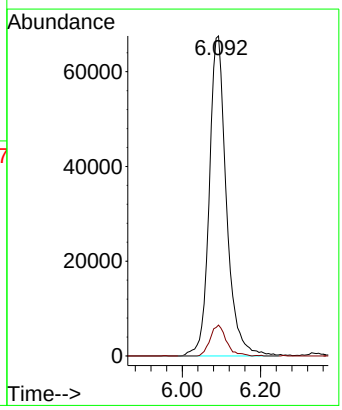
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

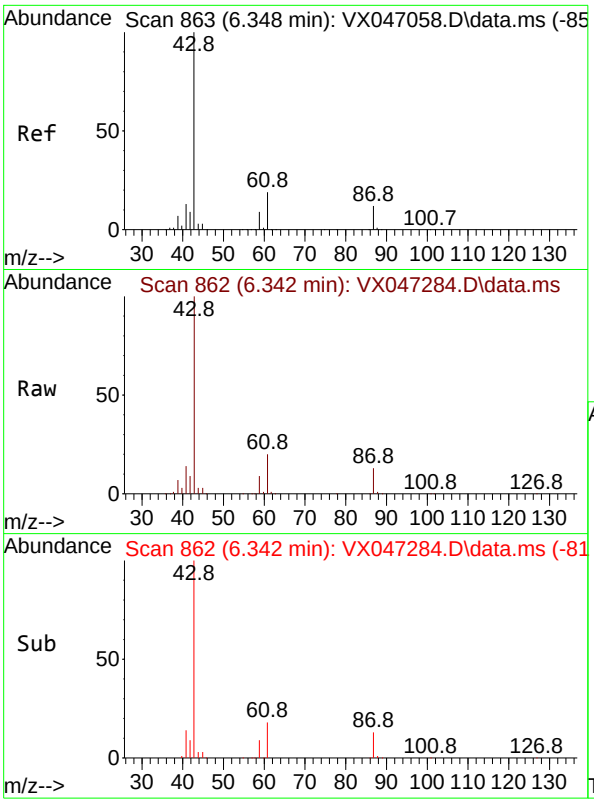


#42
1,2-Dichloroethane
Concen: 51.566 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 62 Resp: 205046

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8

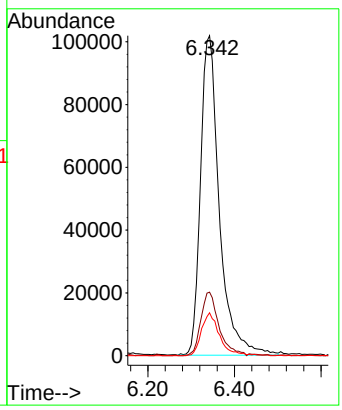




#43
Isopropyl Acetate
Concen: 54.939 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 43 Resp: 30783

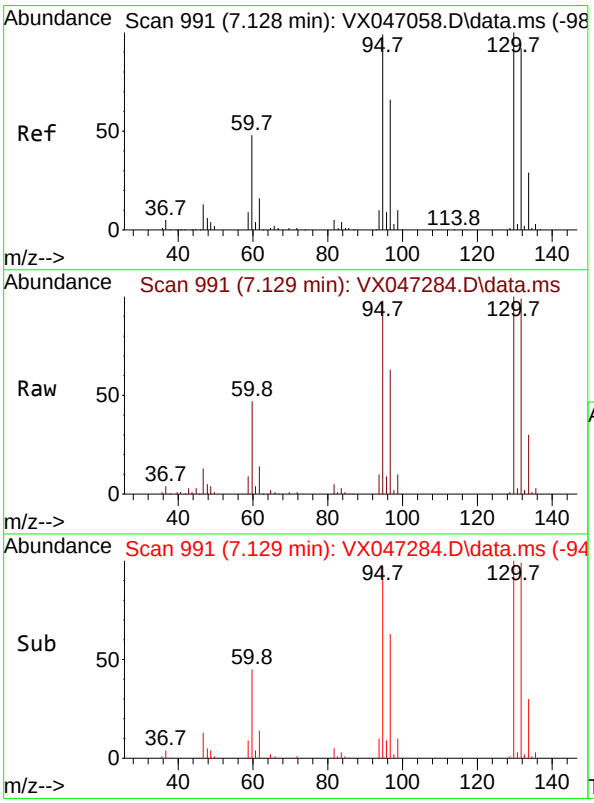
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	12.9	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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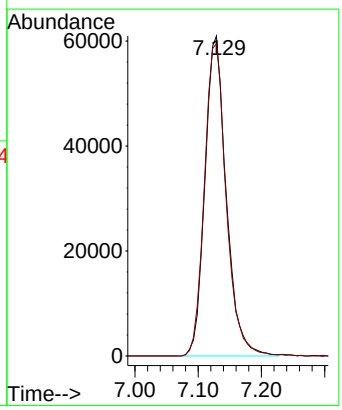
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

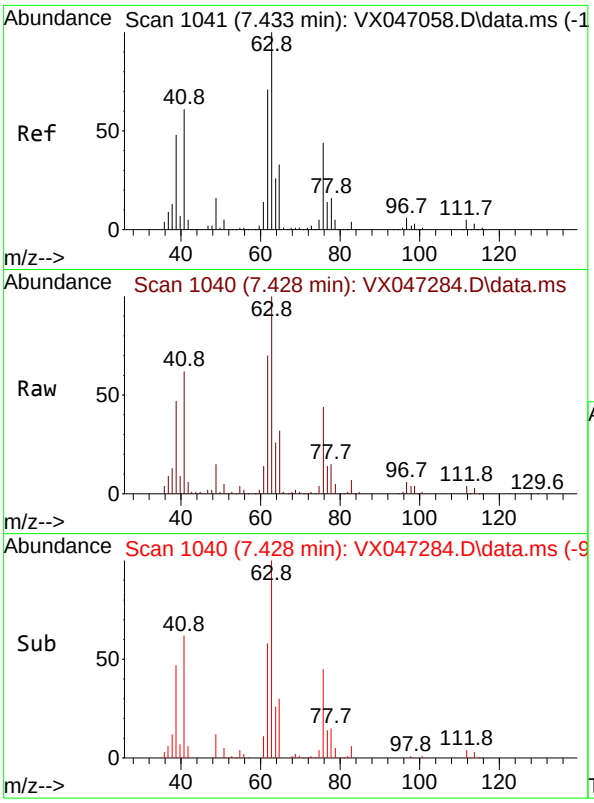


#44
Trichloroethene
Concen: 49.268 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:130 Resp: 142617

Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	198.6

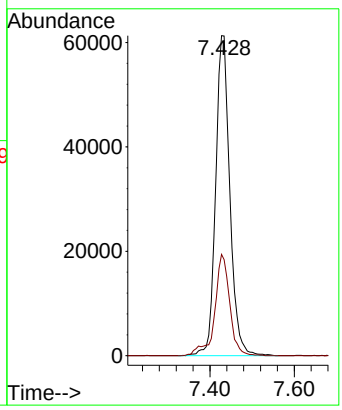




#45
1,2-Dichloropropane
Concen: 50.611 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 63 Resp: 14308

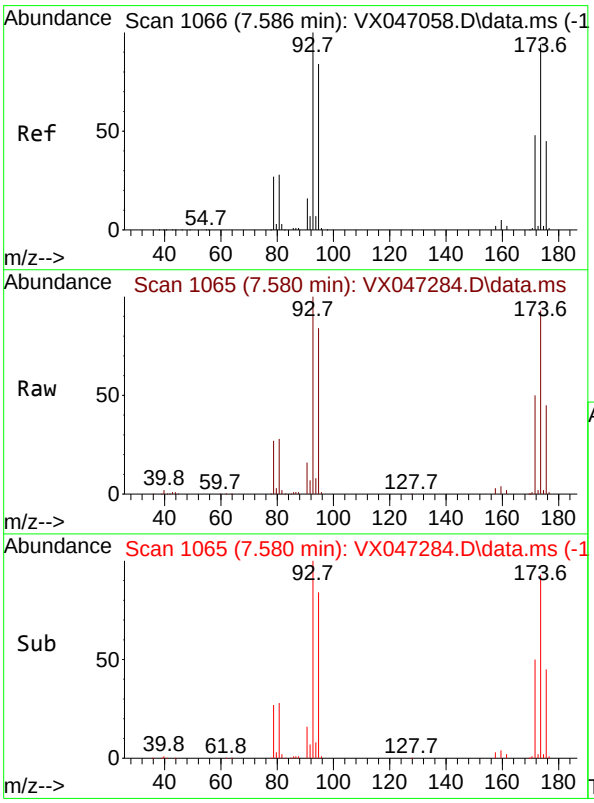
Ion	Ratio	Lower	Upper
63	100		
65	31.6	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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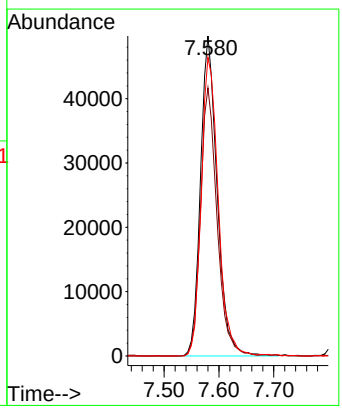
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

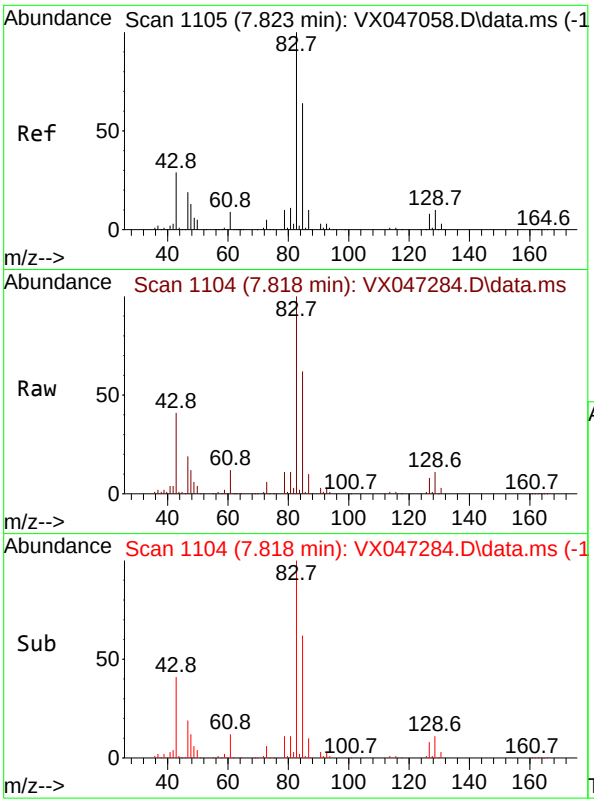


#46
Dibromomethane
Concen: 52.854 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 93 Resp: 104791

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.9	98.9
174	95.0	74.6	112.0

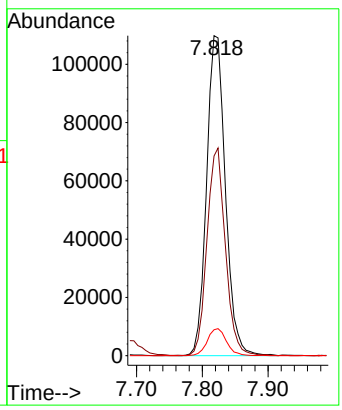




#47
Bromodichloromethane
Concen: 51.865 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 83 Resp: 21887

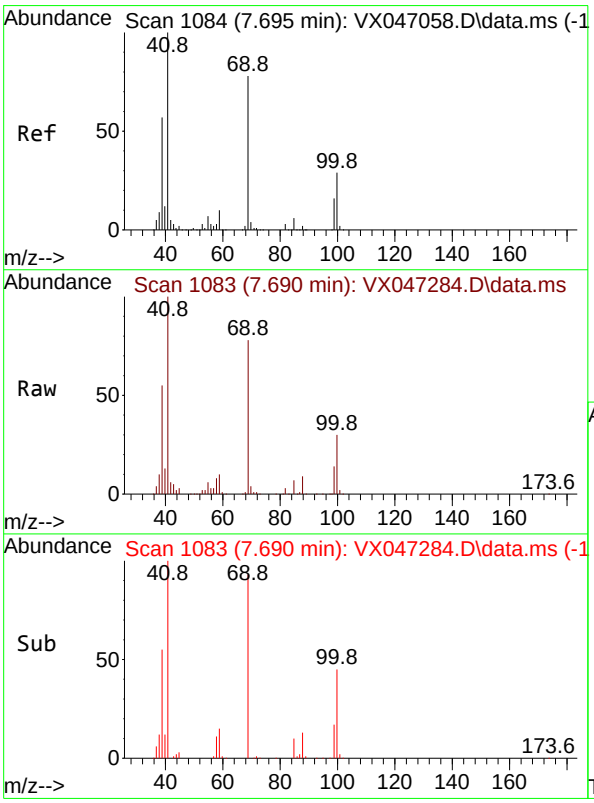
Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.9	74.9
127	8.1	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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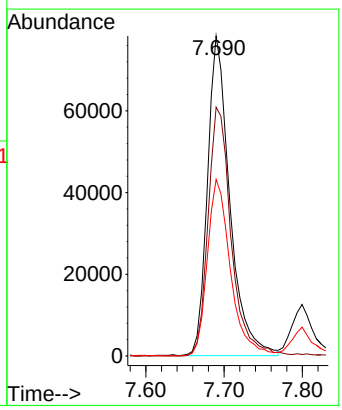
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

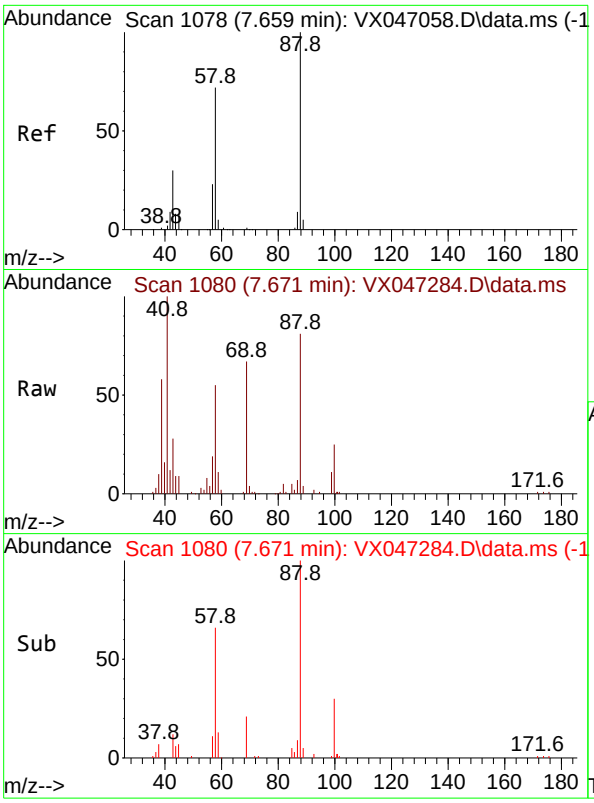


#48
Methyl methacrylate
Concen: 50.837 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 41 Resp: 155179

Ion	Ratio	Lower	Upper
41	100		
69	80.7	62.3	93.5
39	57.5	44.8	67.2





#49
1,4-Dioxane
Concen: 972.087 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

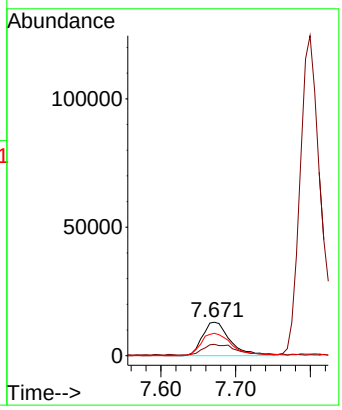
Tgt Ion: 88 Resp: 3374

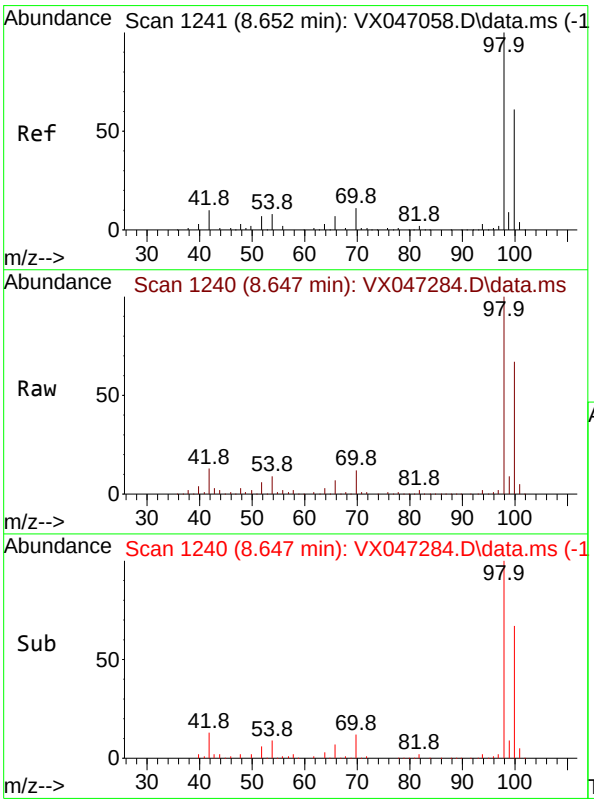
Ion	Ratio	Lower	Upper
88	100		
43	37.2	33.6	50.4
58	74.5	58.8	88.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

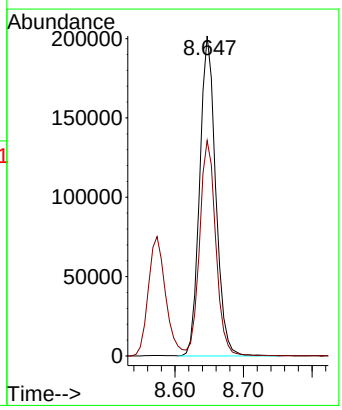


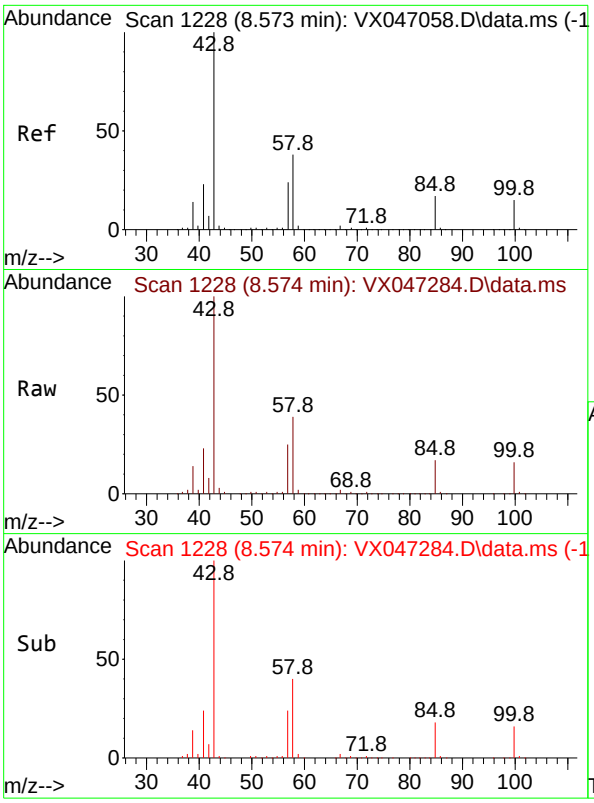


#50
Toluene-d8
Concen: 44.372 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 98 Resp: 328825

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.3	79.9

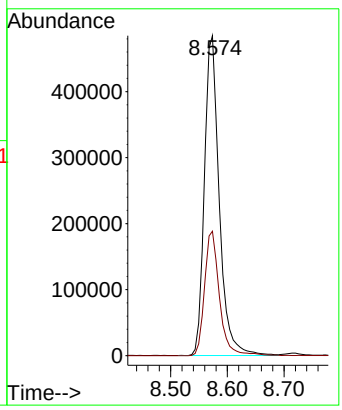




#51
4-Methyl-2-Pentanone
Concen: 264.926 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 43 Resp: 88234

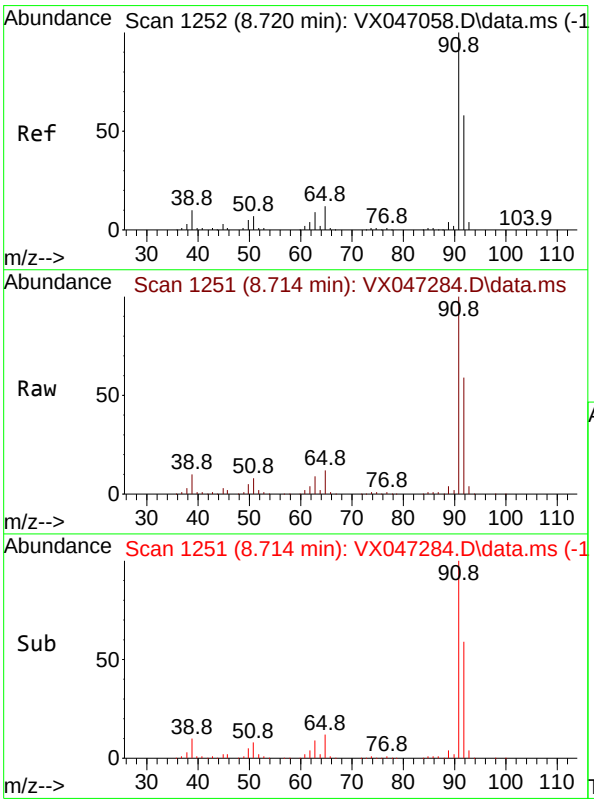
Ion	Ratio	Lower	Upper
43	100		
58	39.1	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

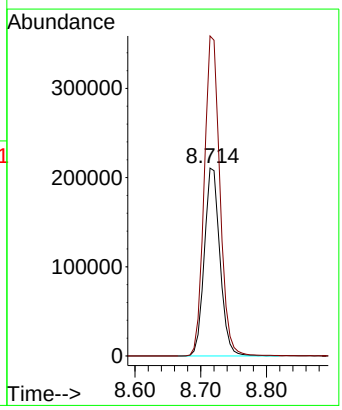
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

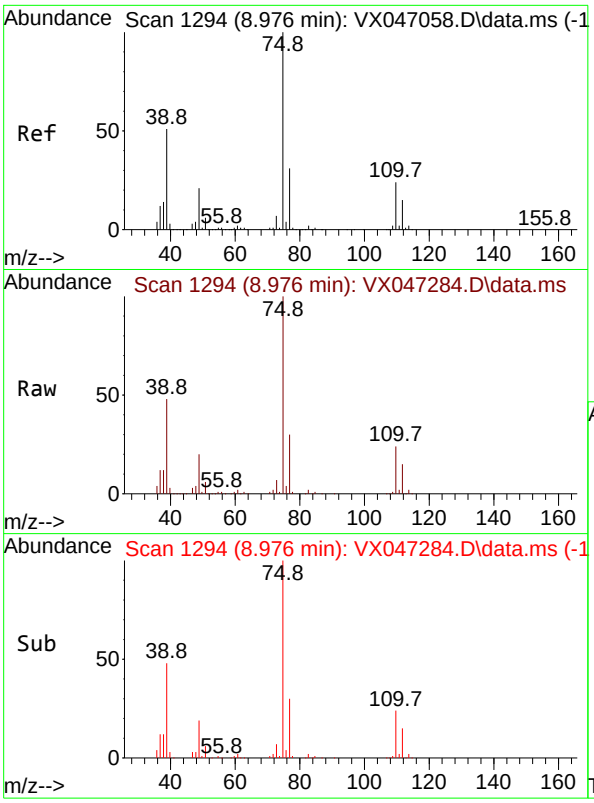


#52
Toluene
Concen: 50.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 92 Resp: 348287

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.9	206.9

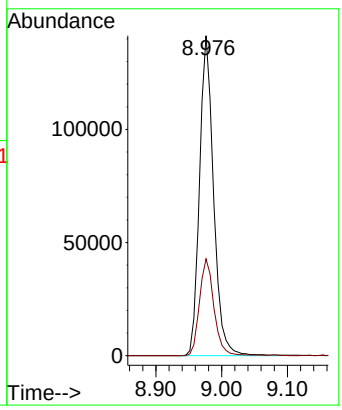




#53
t-1,3-Dichloropropene
Concen: 52.654 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 75 Resp: 20982

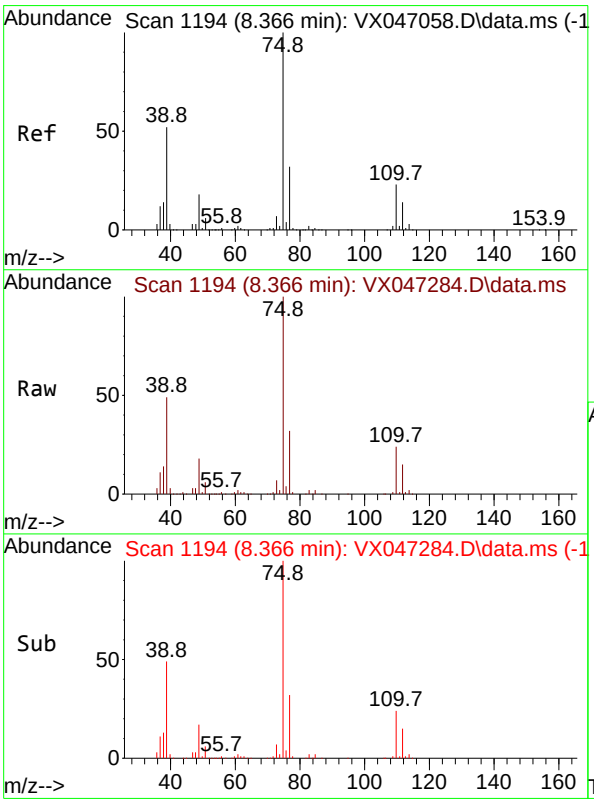
Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

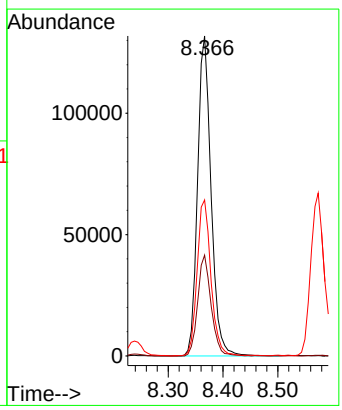
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

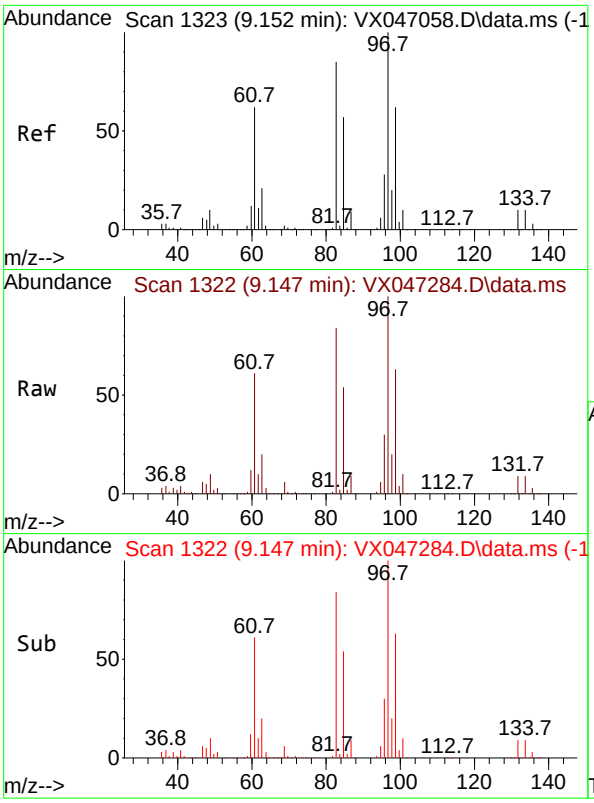


#54
cis-1,3-Dichloropropene
Concen: 51.782 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 75 Resp: 225848

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	48.1	41.8	62.6

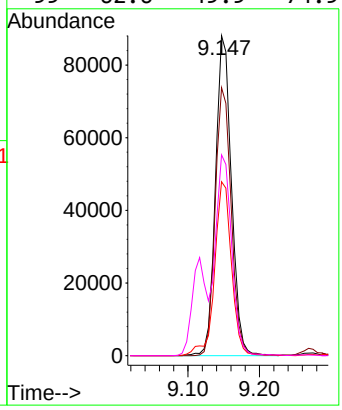




#55
1,1,2-Trichloroethane
Concen: 52.358 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 97 Resp: 13628

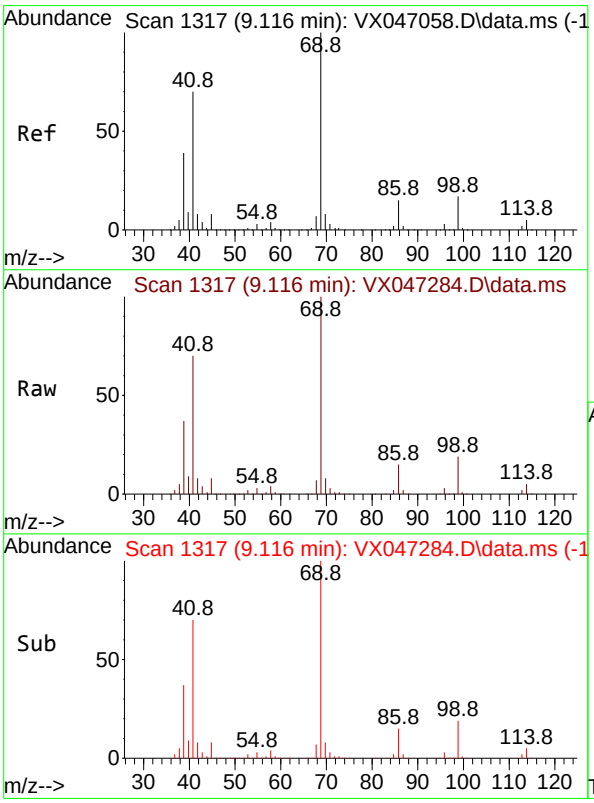
Ion	Ratio	Lower	Upper
97	100		
83	83.7	68.0	102.0
85	54.3	45.2	67.8
99	62.6	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

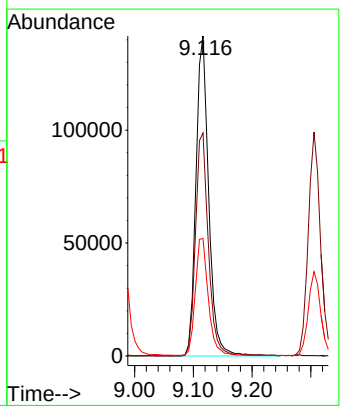
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

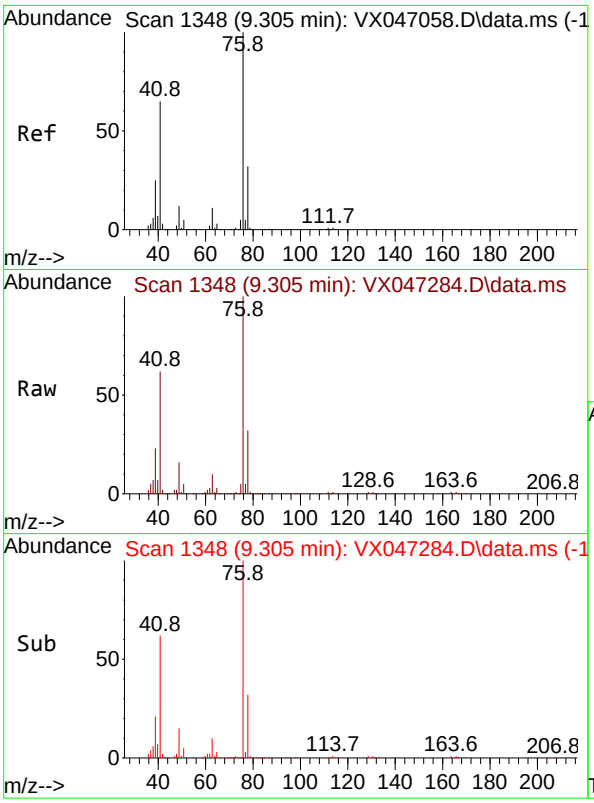


#56
Ethyl methacrylate
Concen: 55.430 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 69 Resp: 213603

Ion	Ratio	Lower	Upper
69	100		
41	70.4	56.1	84.1
39	37.4	31.1	46.7





#57
1,3-Dichloropropane
Concen: 51.654 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

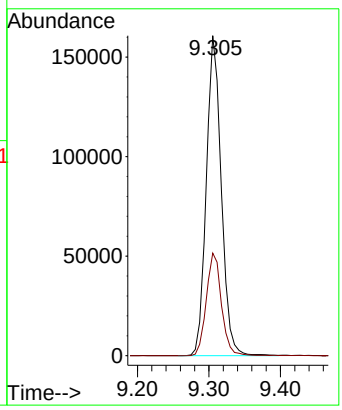
Tgt Ion: 76 Resp: 23368

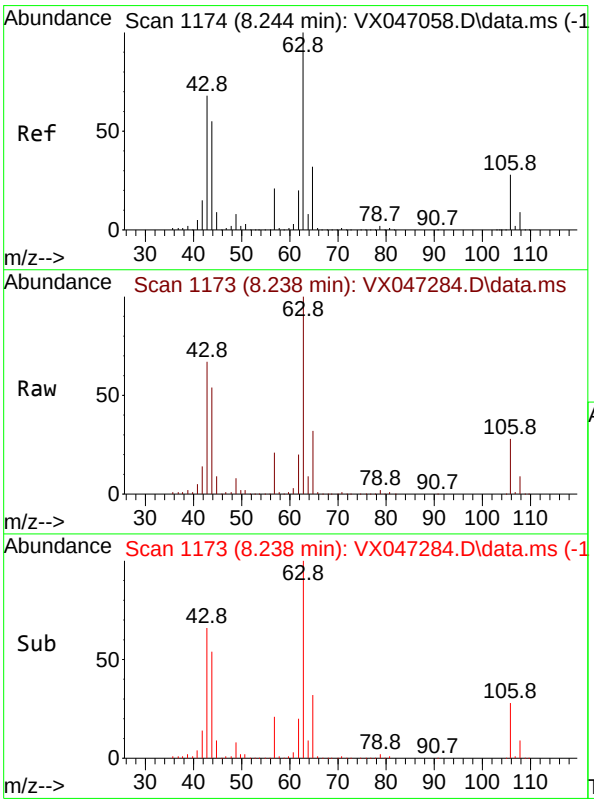
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

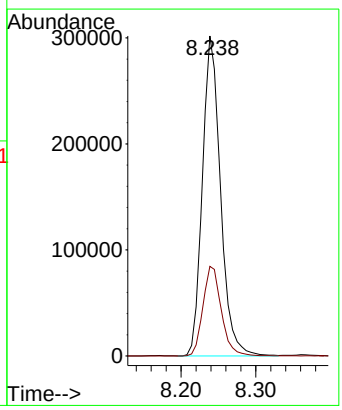


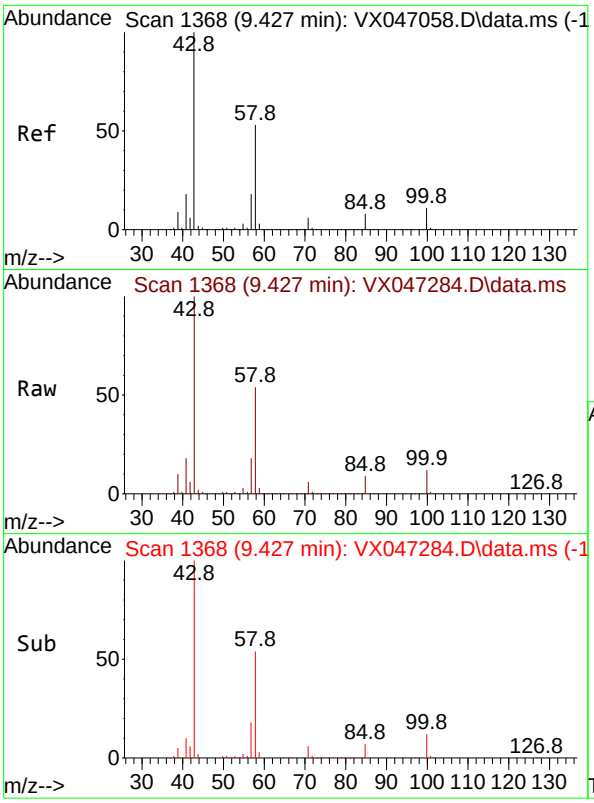


#58
2-Chloroethyl Vinyl ether
Concen: 236.756 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 63 Resp: 507700

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.2	33.4





#59
2-Hexanone
Concen: 279.986 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

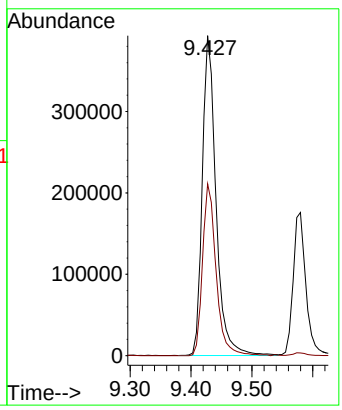
Tgt Ion: 43 Resp: 61608

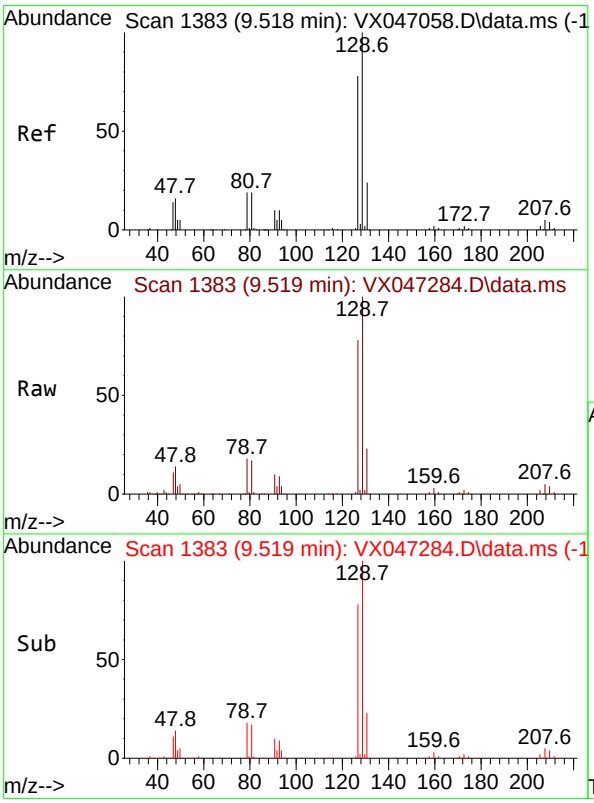
Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.5	79.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

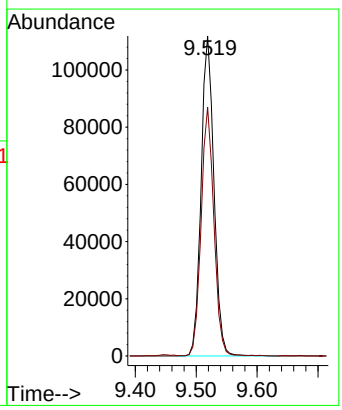


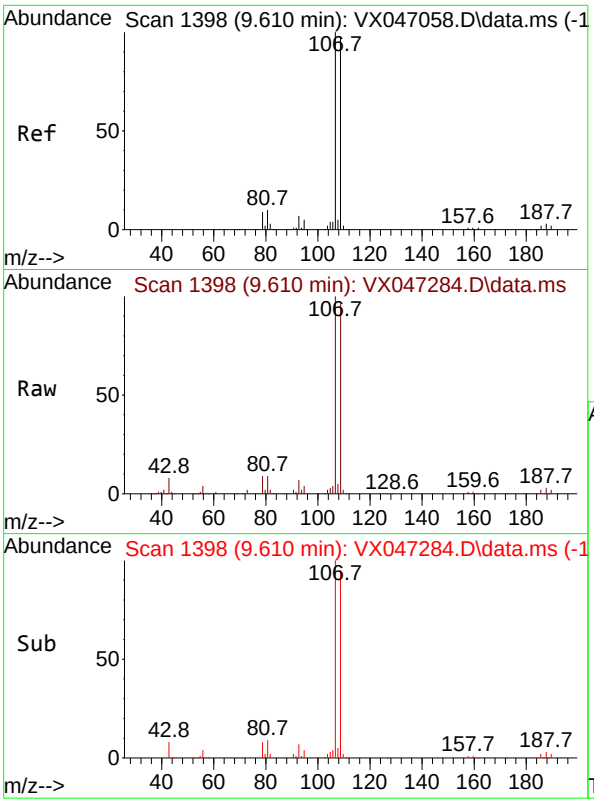


#60
Dibromochloromethane
Concen: 53.664 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:129 Resp: 163831

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.8

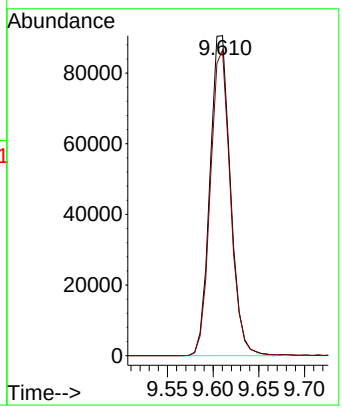




#61
1,2-Dibromoethane
Concen: 51.802 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:107 Resp: 14099

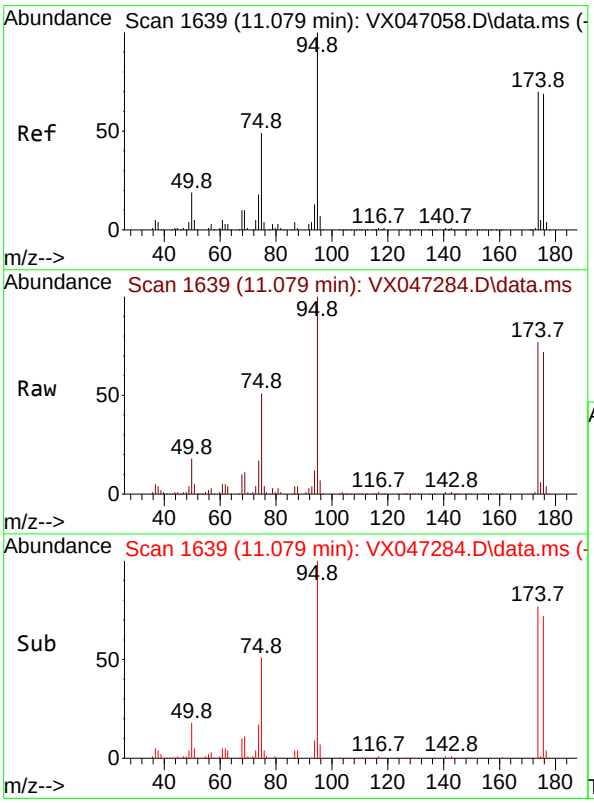
Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

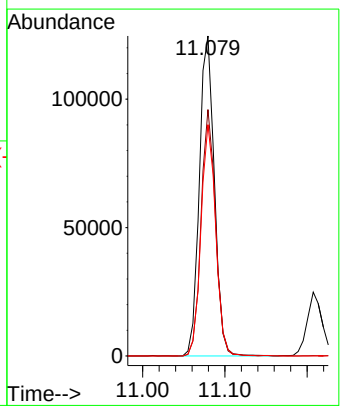
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

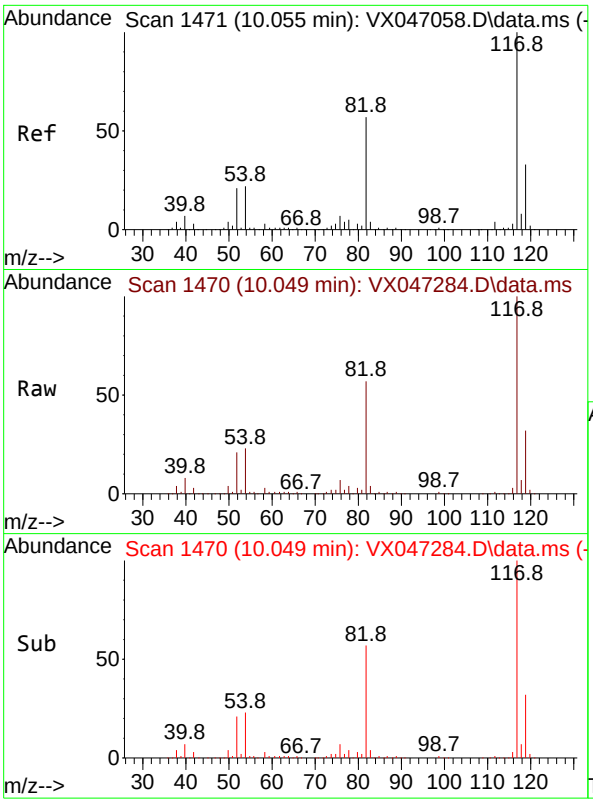


#62
4-Bromofluorobenzene
Concen: 49.497 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 95 Resp: 158071

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	144.6
176	70.7	0.0	139.6

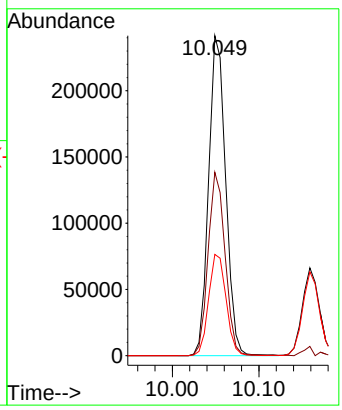




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:117 Resp: 32999

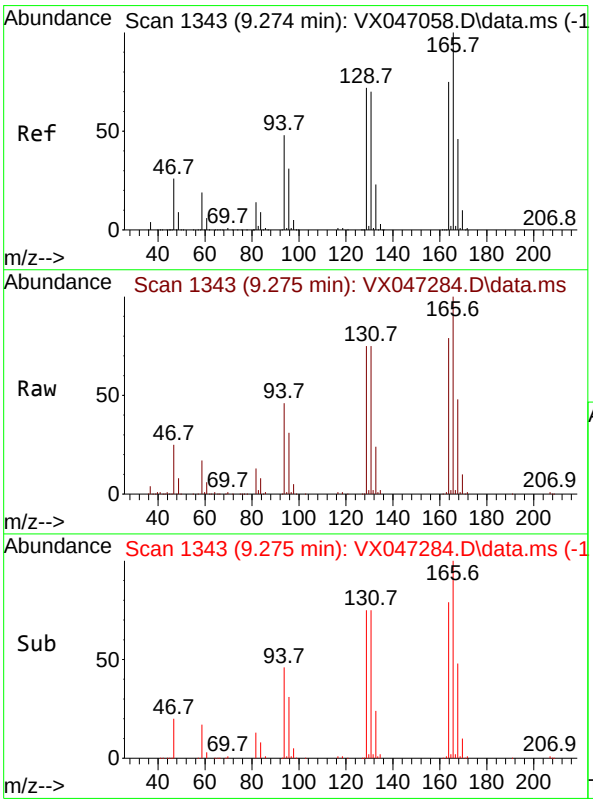
Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.4	68.2
119	31.7	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

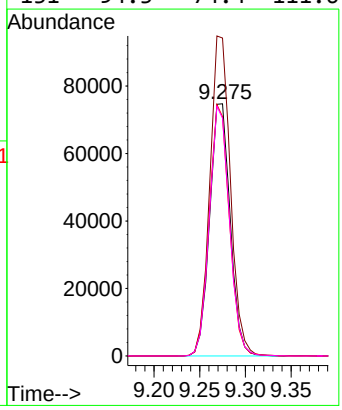
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

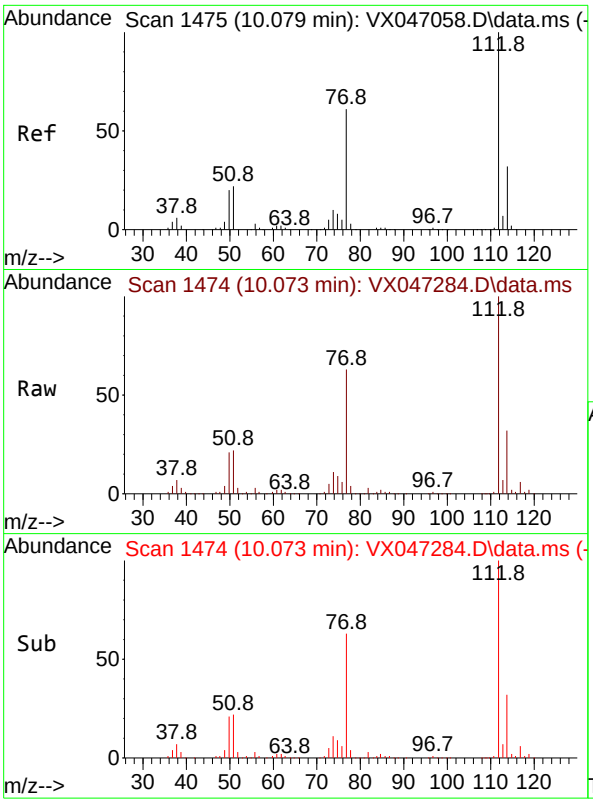


#64
Tetrachloroethene
Concen: 48.805 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:164 Resp: 116103

Ion	Ratio	Lower	Upper
164	100		
166	126.1	106.2	159.4
129	94.9	76.6	114.8
131	94.3	74.4	111.6

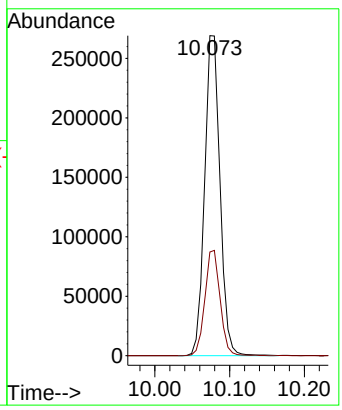




#65
Chlorobenzene
Concen: 49.749 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:112 Resp: 38459

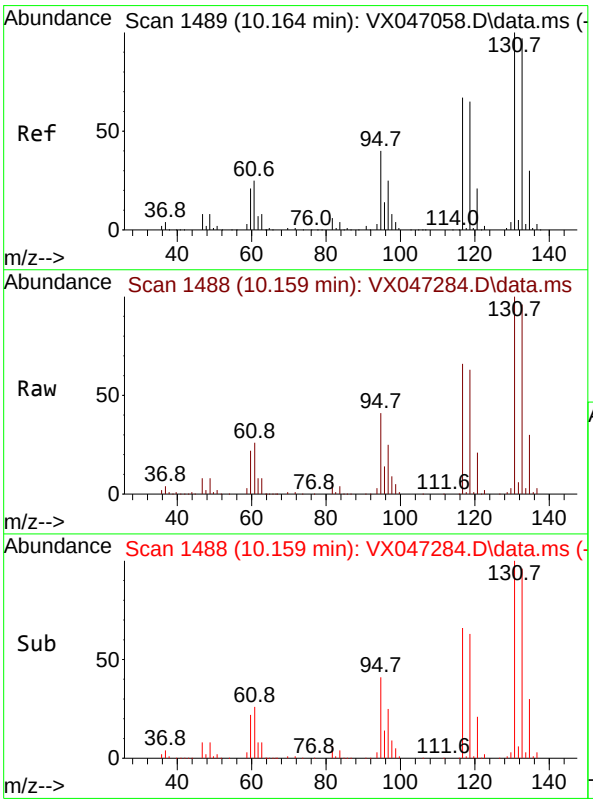
Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

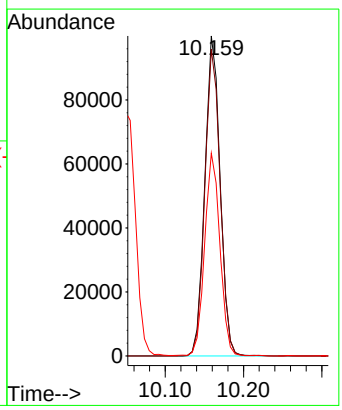
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

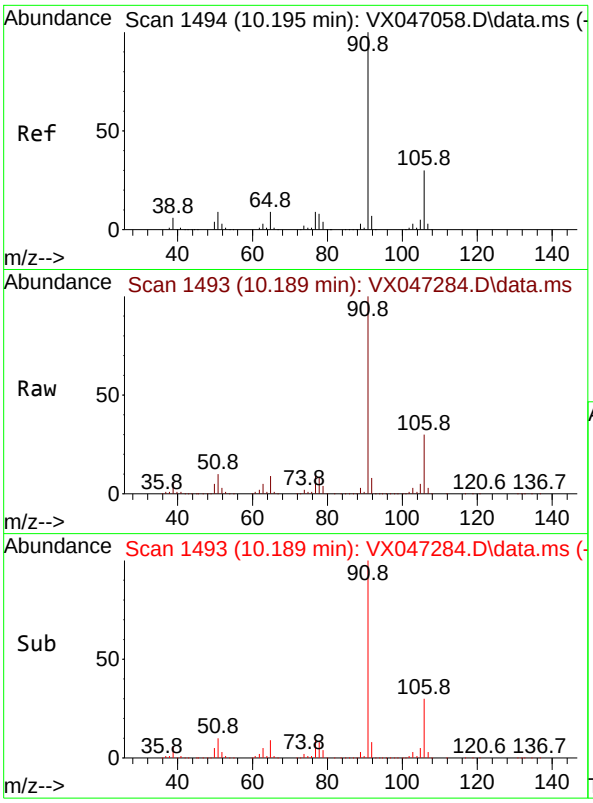


#66
1,1,1,2-Tetrachloroethane
Concen: 51.903 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:131 Resp: 135093

Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.4	145.3
119	63.2	32.4	97.0





#67
Ethyl Benzene
Concen: 50.181 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

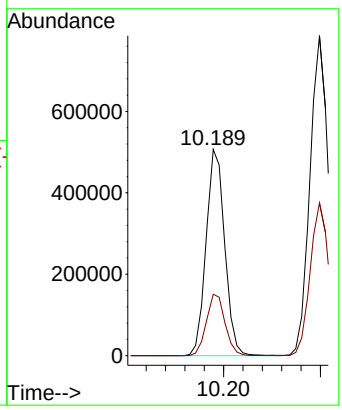
Tgt Ion: 91 Resp: 67829

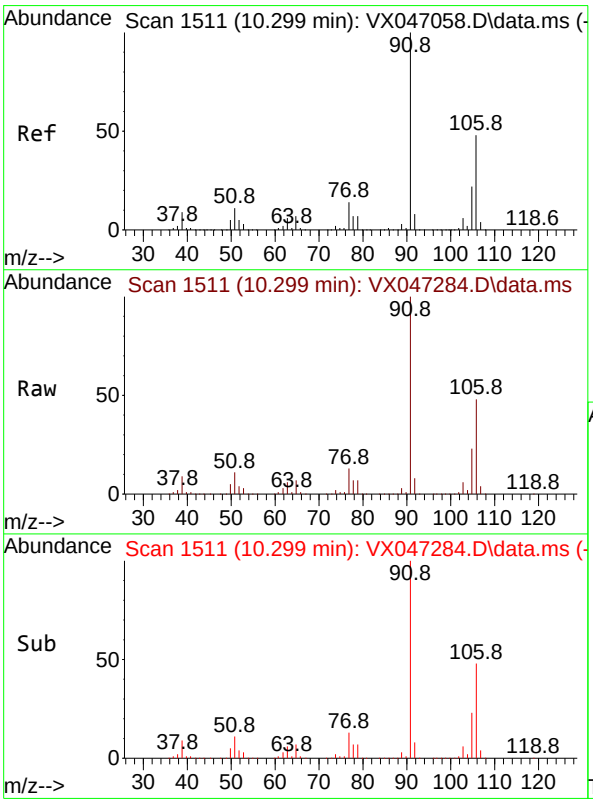
Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

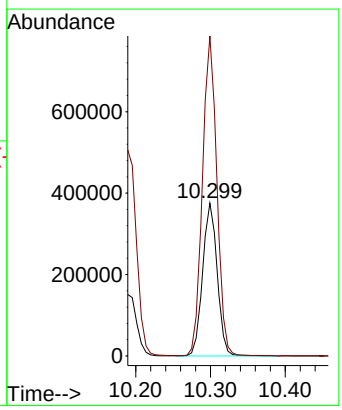


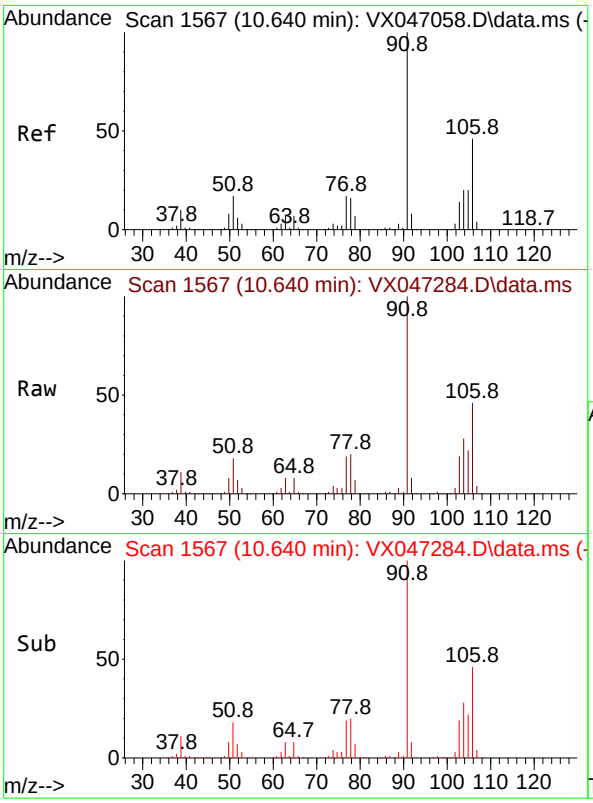


#68
m/p-Xylenes
Concen: 100.400 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:106 Resp: 507852

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.4	251.0

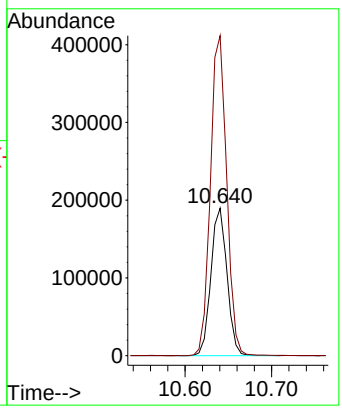




#69
o-Xylene
Concen: 50.835 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

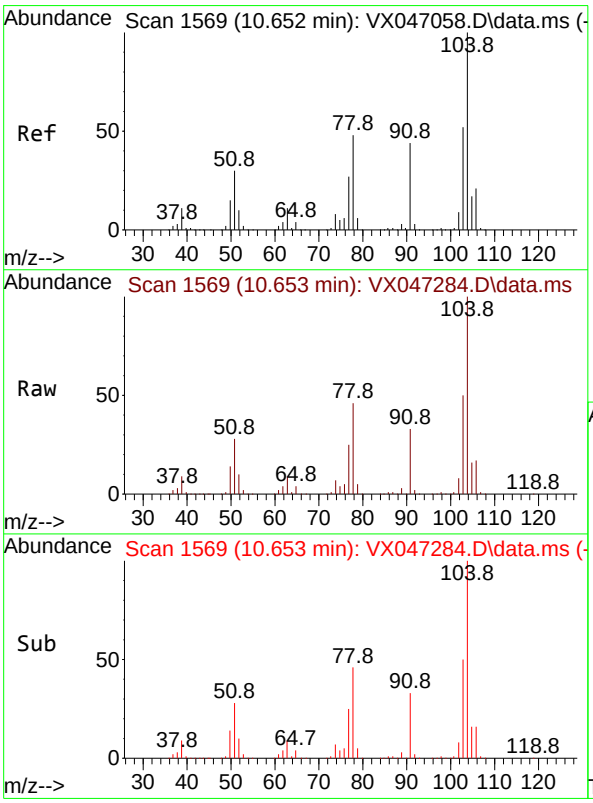
Tgt Ion:106 Resp: 24462

Ion	Ratio	Lower	Upper
106	100		
91	219.5	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

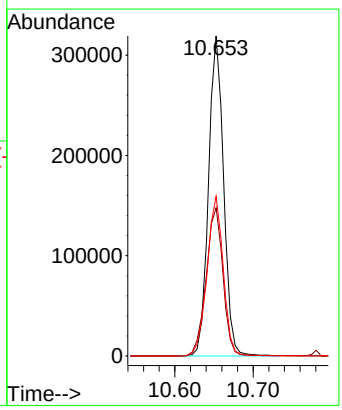
Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

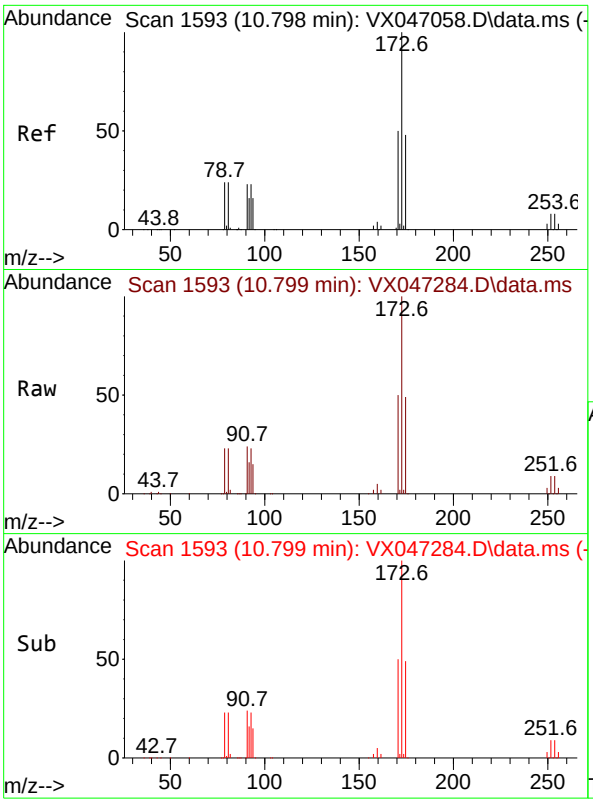


#70
Styrene
Concen: 51.604 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:104 Resp: 425811

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.0	63.0
103	53.6	43.8	65.6

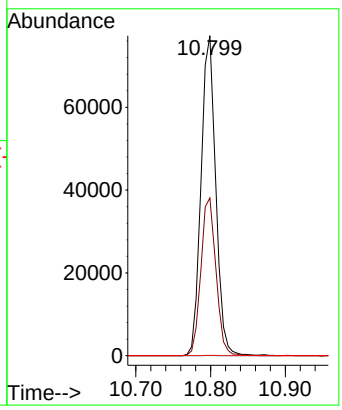




#71
Bromoform
Concen: 53.462 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

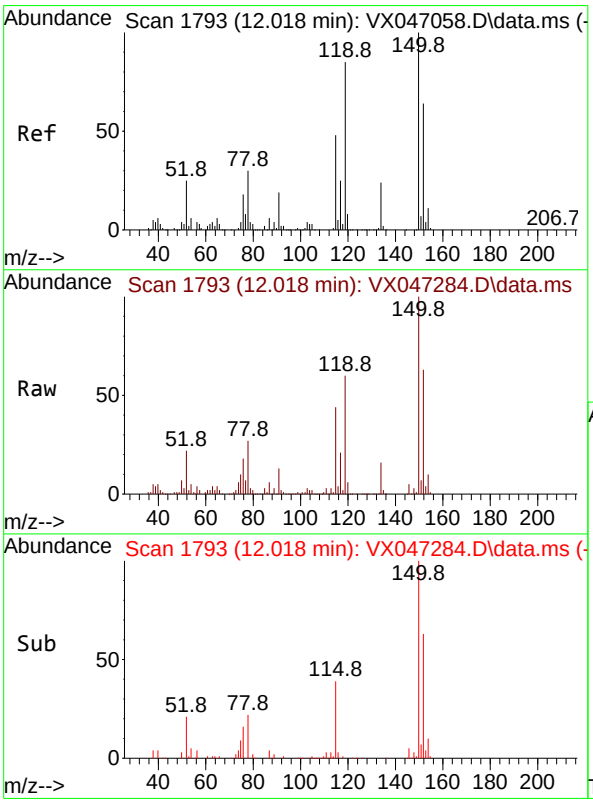
Tgt Ion:173 Resp: 10570

Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.2	72.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

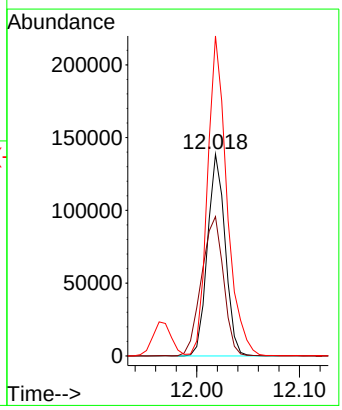
Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

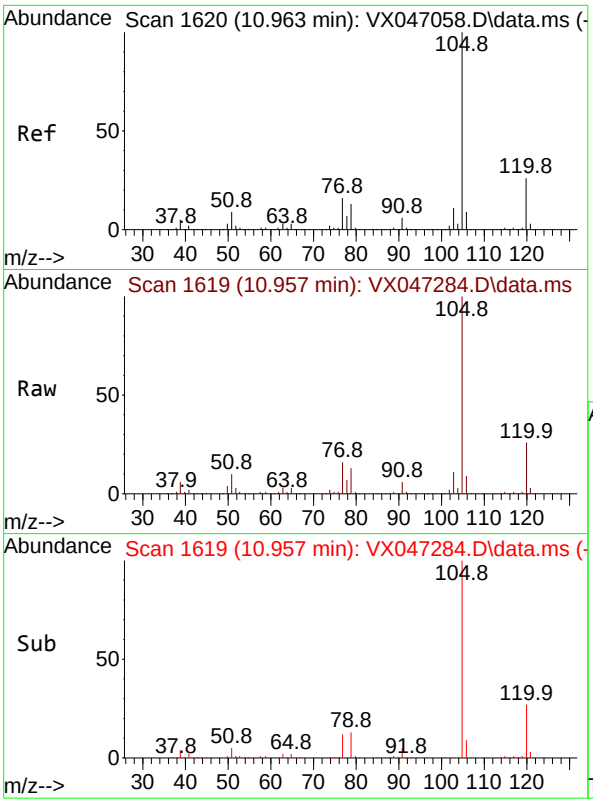


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:152 Resp: 165820

Ion	Ratio	Lower	Upper
152	100		
115	86.1	45.6	136.7
150	173.5	0.0	354.6





#73
Isopropylbenzene
Concen: 48.515 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

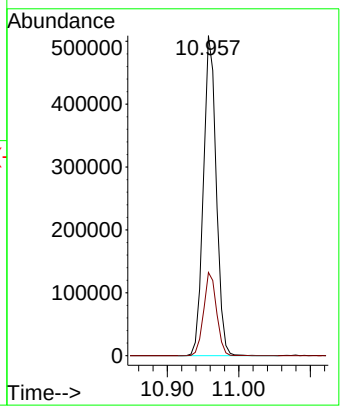
Tgt Ion:105 Resp: 63468

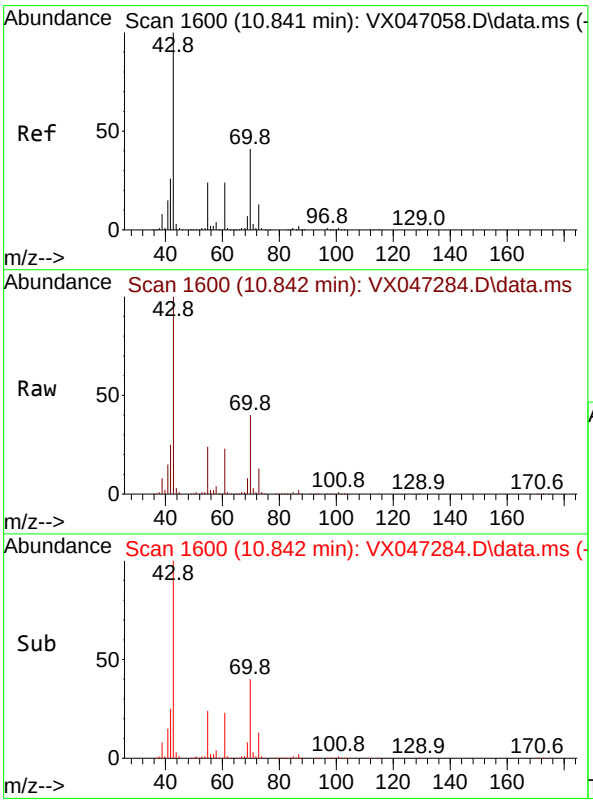
Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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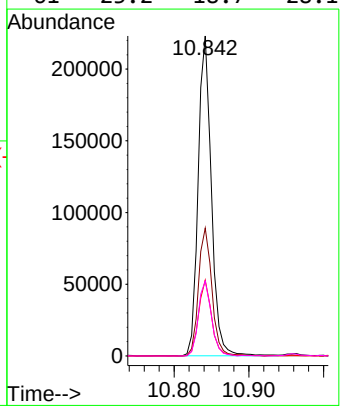


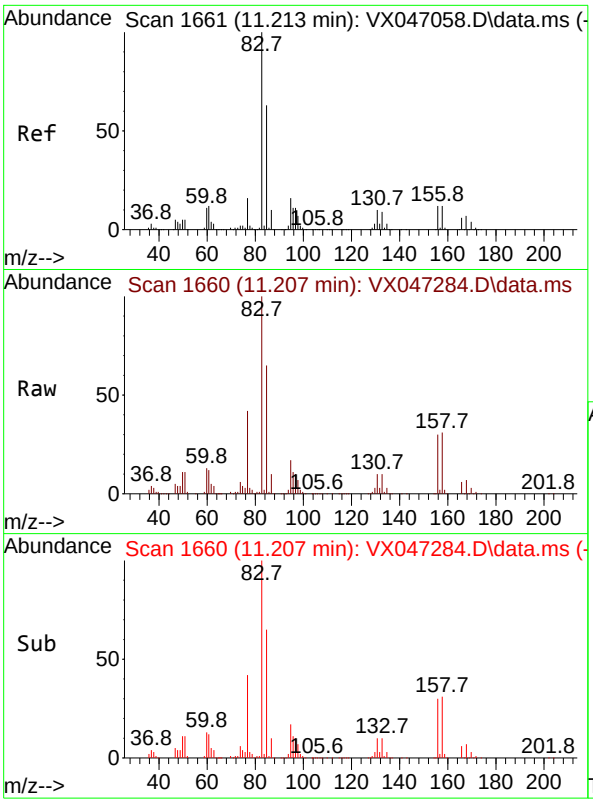


#74
N-amyl acetate
Concen: 51.971 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 43 Resp: 274324

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.3	48.5
55	23.5	18.9	28.3
61	23.2	18.7	28.1





#75
1,1,2,2-Tetrachloroethane
Concen: 50.649 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

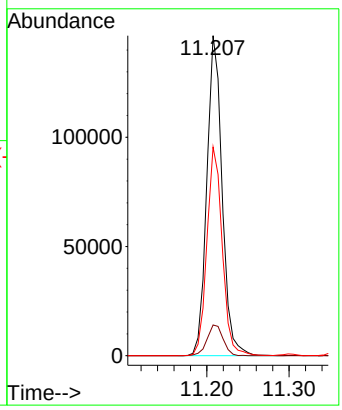
Tgt Ion: 83 Resp: 18927

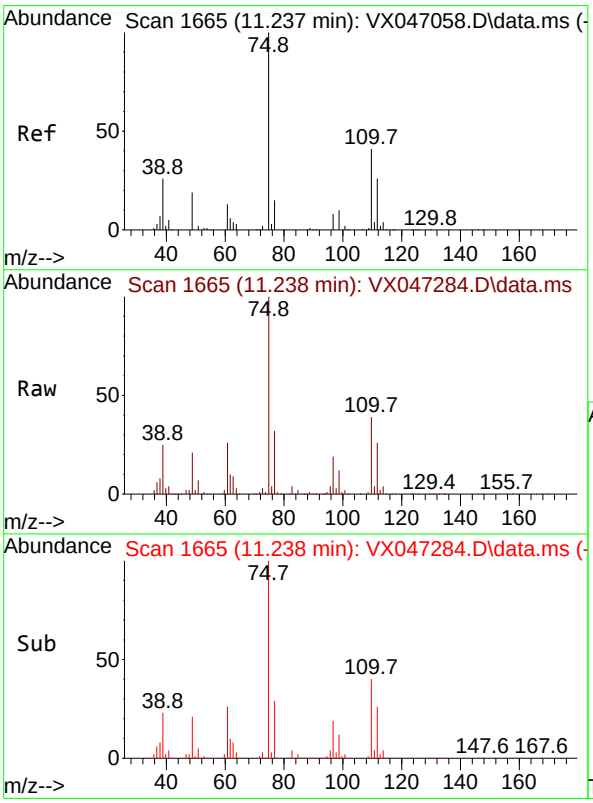
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	65.3	32.0	96.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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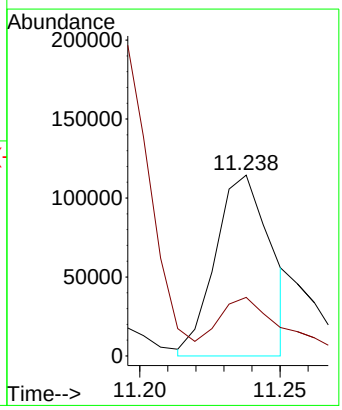


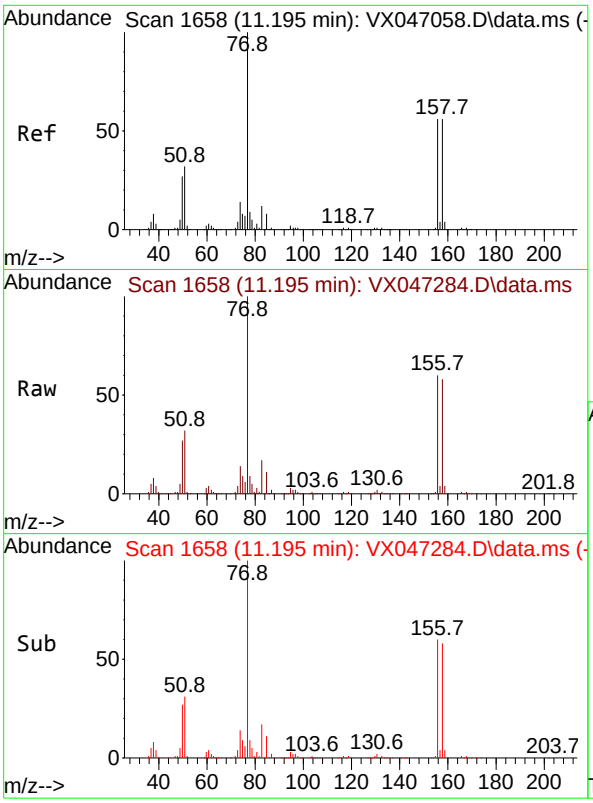


#76
1,2,3-Trichloropropane
Concen: 51.158 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 75 Resp: 157017

Ion	Ratio	Lower	Upper
75	100		
77	39.3	21.6	65.0

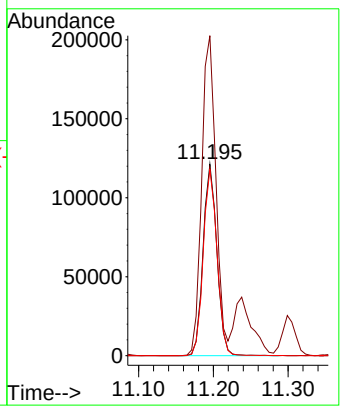




#77
Bromobenzene
Concen: 49.428 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:156 Resp: 15509

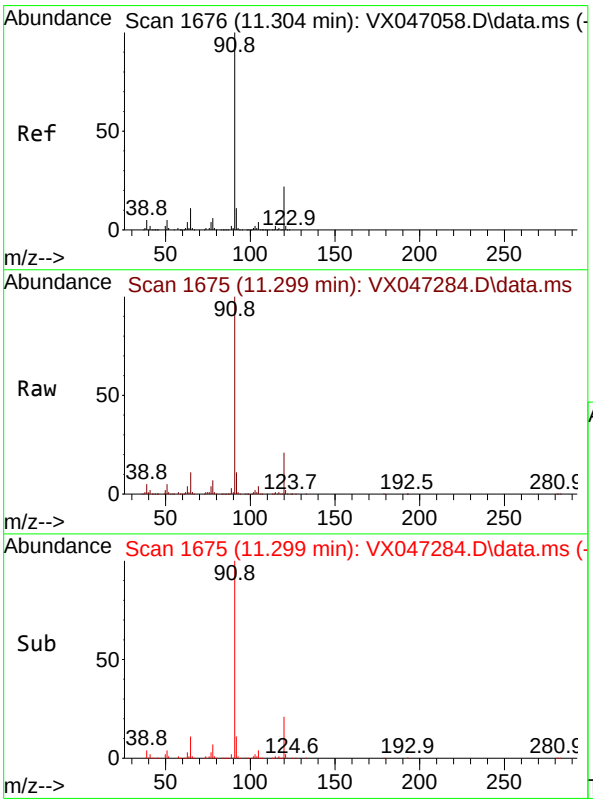
Ion	Ratio	Lower	Upper
156	100		
77	173.1	87.3	261.9
158	97.6	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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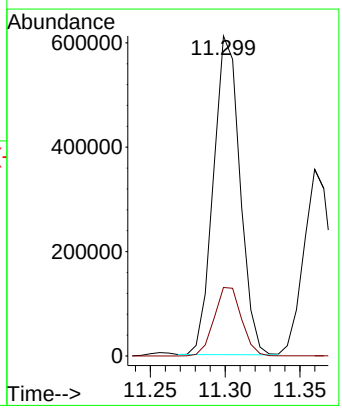
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

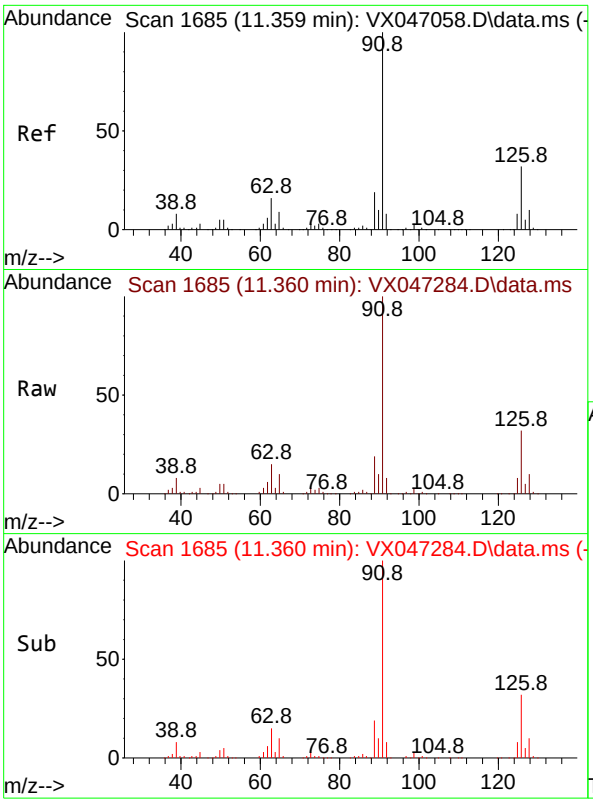


#78
n-propylbenzene
Concen: 48.268 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 91 Resp: 754576

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0





#79
2-Chlorotoluene
Concen: 48.283 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

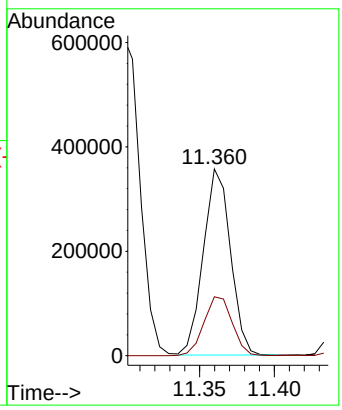
Tgt Ion: 91 Resp: 45120

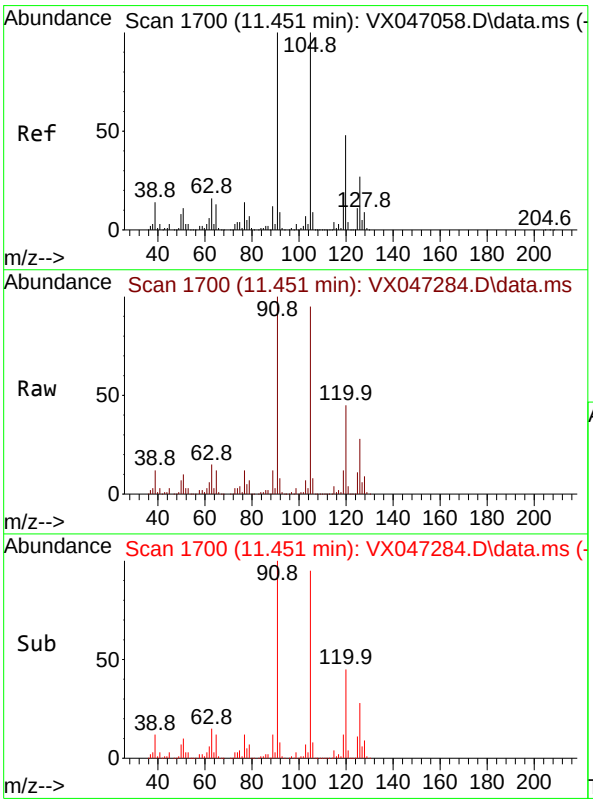
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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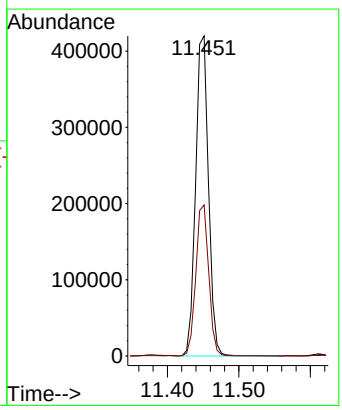


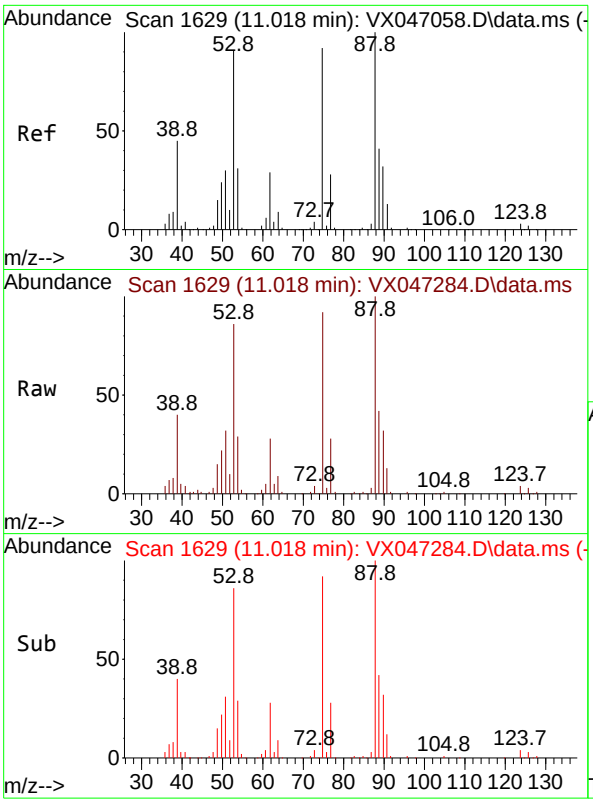


#80
1,3,5-Trimethylbenzene
Concen: 48.423 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:105 Resp: 523346

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 32.932 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

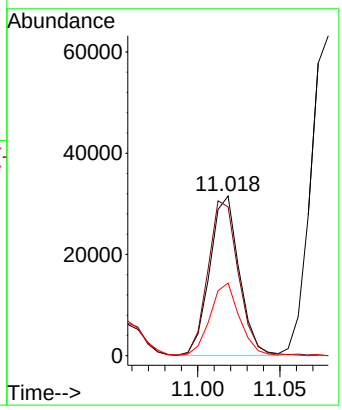
Tgt Ion: 75 Resp: 3923

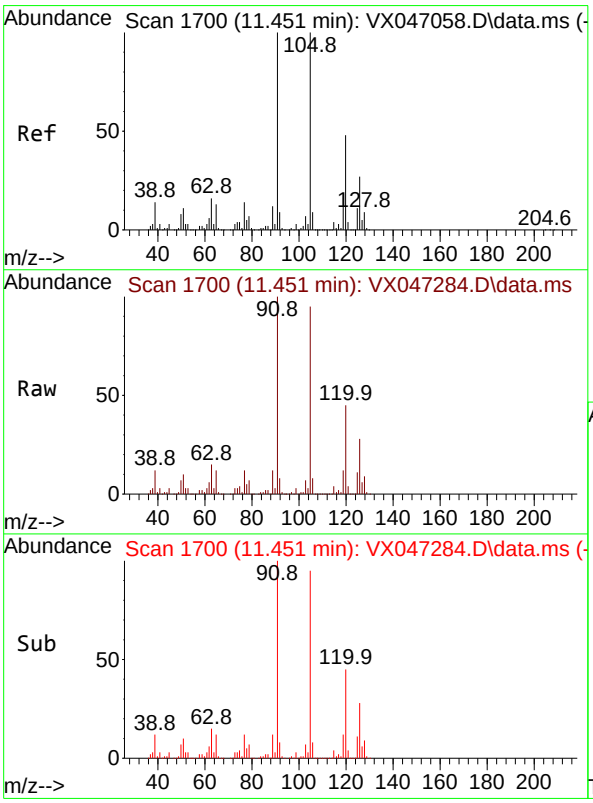
Ion	Ratio	Lower	Upper
75	100		
53	101.2	84.2	126.4
89	46.0	36.0	54.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Supervised By :Mahesh Dadoda 08/14/2025

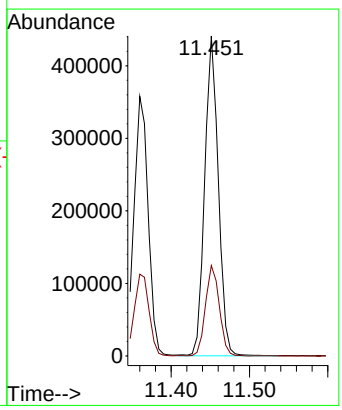


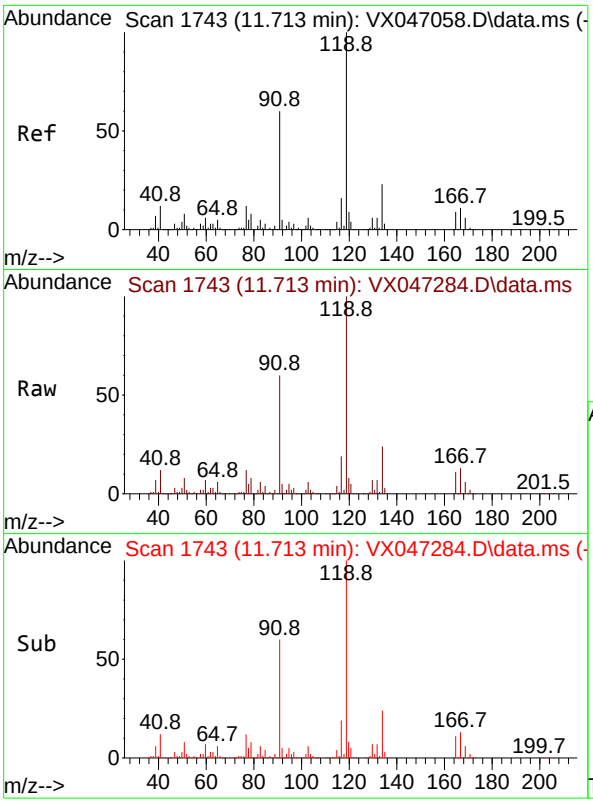


#82
4-Chlorotoluene
Concen: 48.570 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 91 Resp: 529783

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.1	42.3

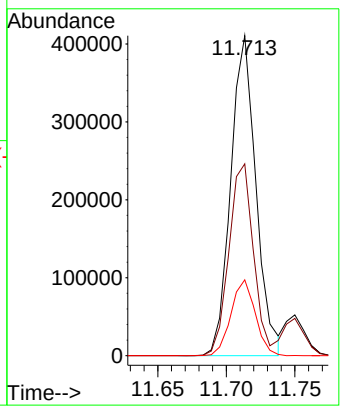




#83
tert-Butylbenzene
Concen: 48.579 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:119 Resp: 52697

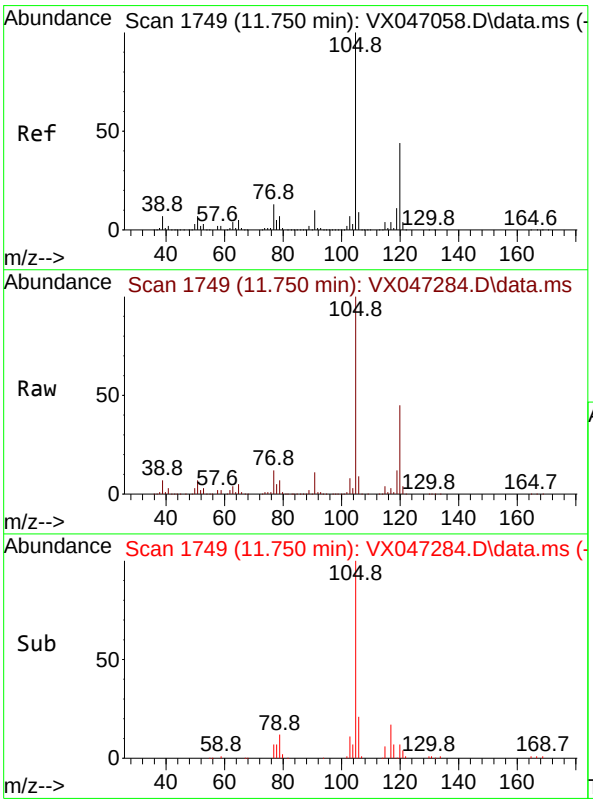
Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.6	88.8
134	22.9	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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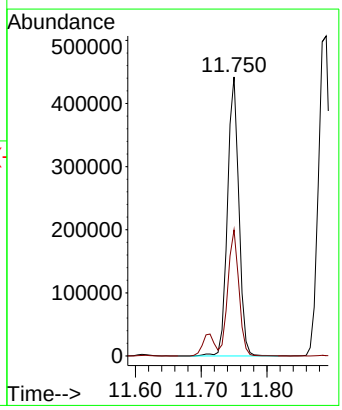
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

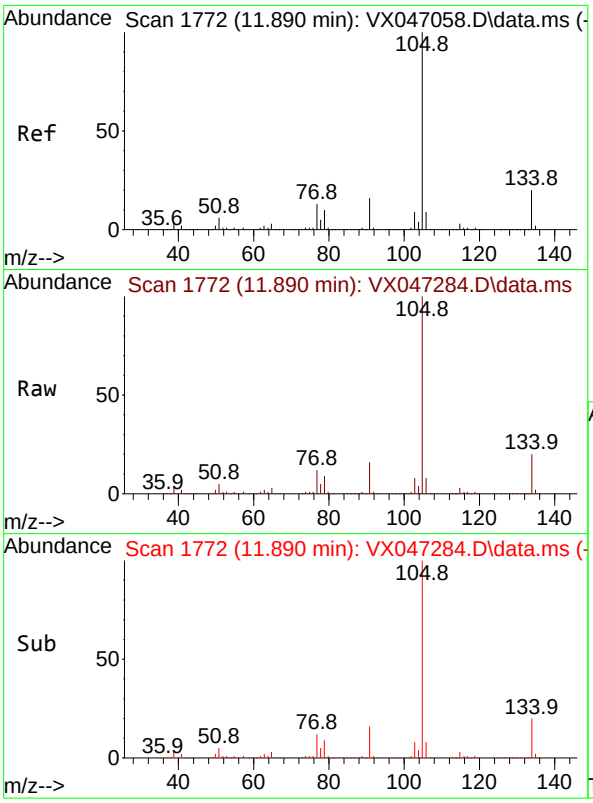


#84
1,2,4-Trimethylbenzene
Concen: 49.223 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:105 Resp: 530631

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.0	66.0





#85
sec-Butylbenzene
Concen: 47.364 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

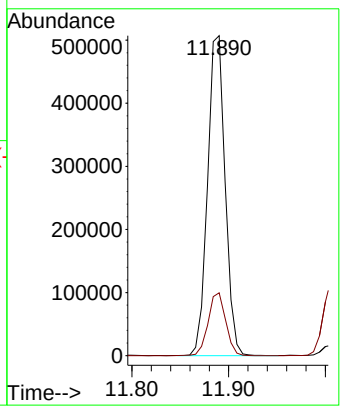
Tgt Ion:105 Resp: 64196

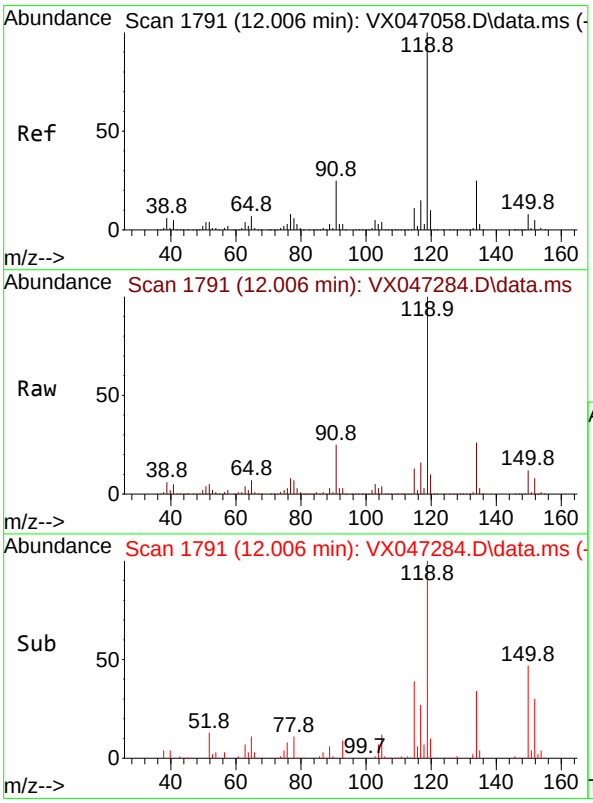
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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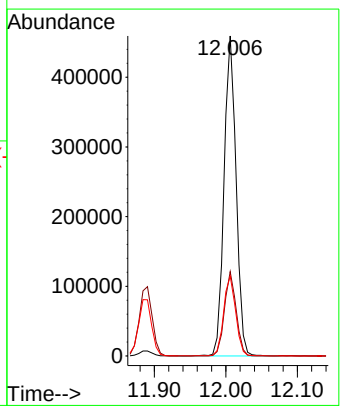


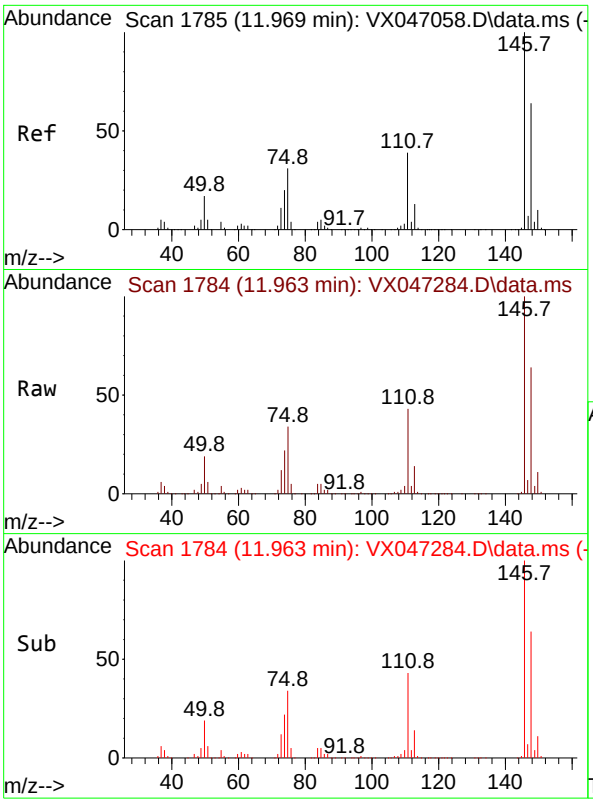


#86
p-Isopropyltoluene
Concen: 47.765 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:119 Resp: 536874

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	25.0	12.4	37.4

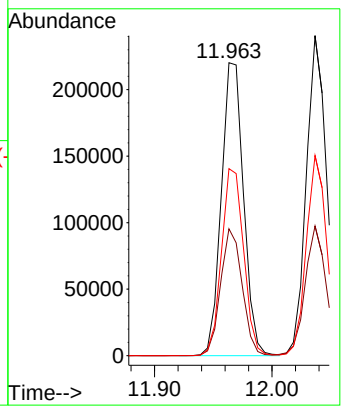




#87
1,3-Dichlorobenzene
Concen: 48.591 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:146 Resp: 28970

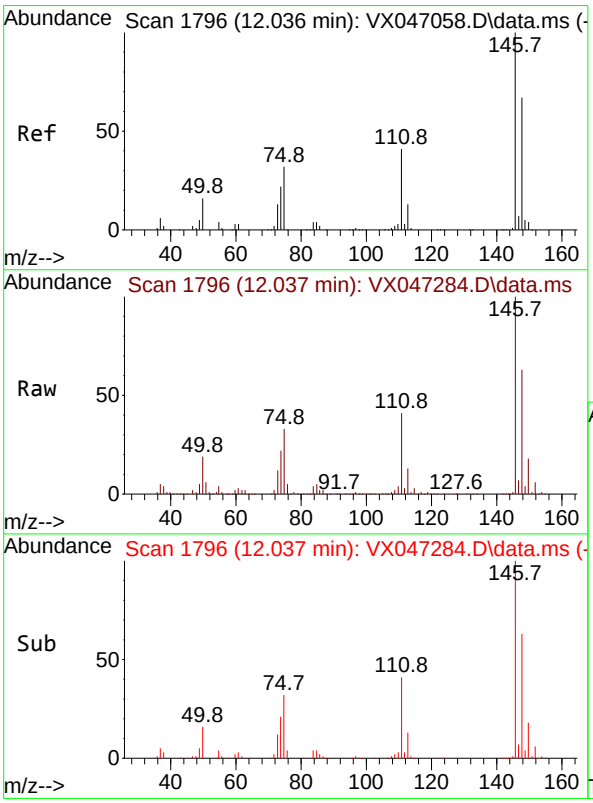
Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

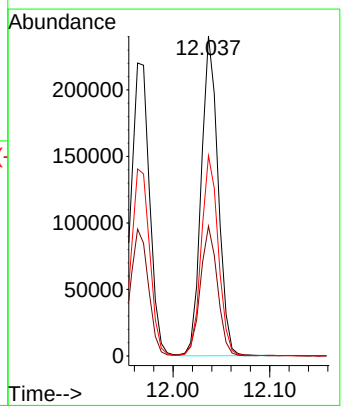
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

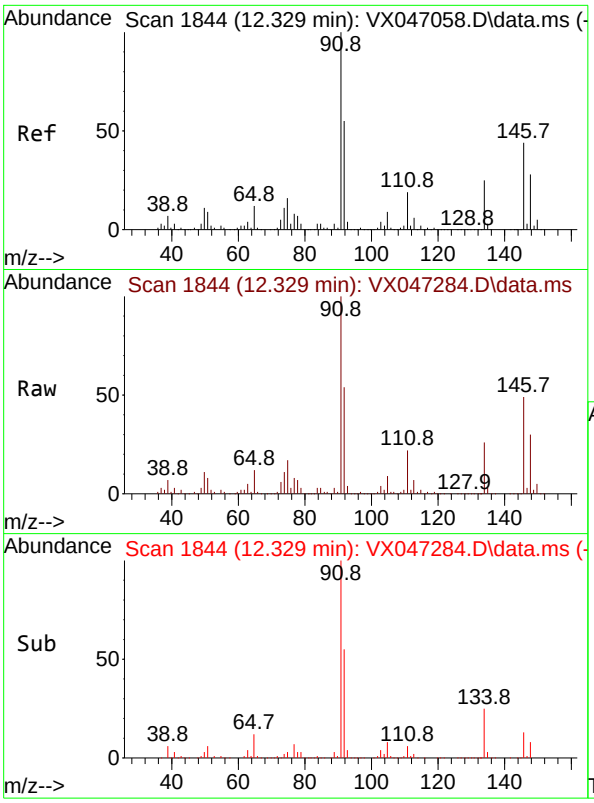


#88
1,4-Dichlorobenzene
Concen: 48.252 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:146 Resp: 291463

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.9
148	63.3	33.0	98.9

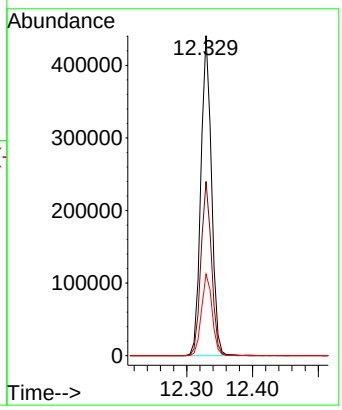




#89
n-Butylbenzene
Concen: 47.076 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 91 Resp: 49620

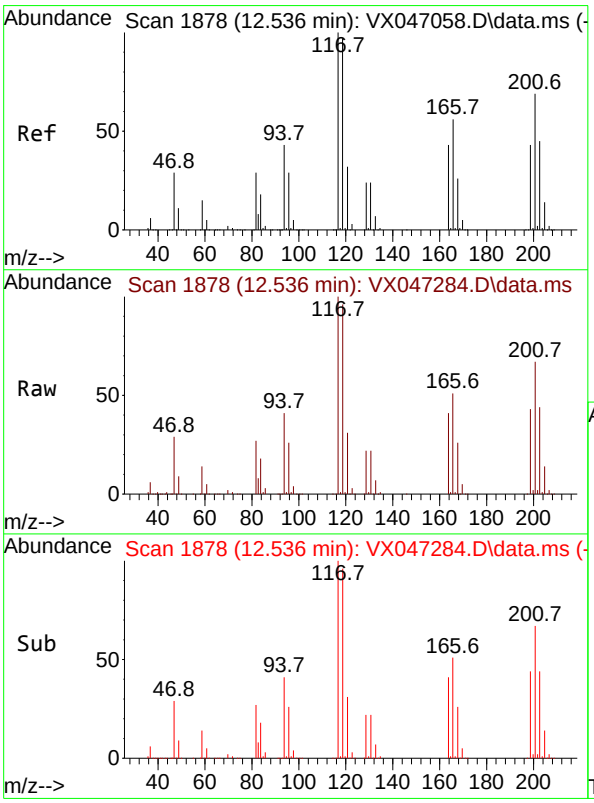
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.5
134	25.6	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

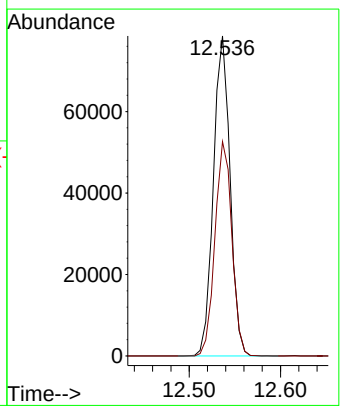
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

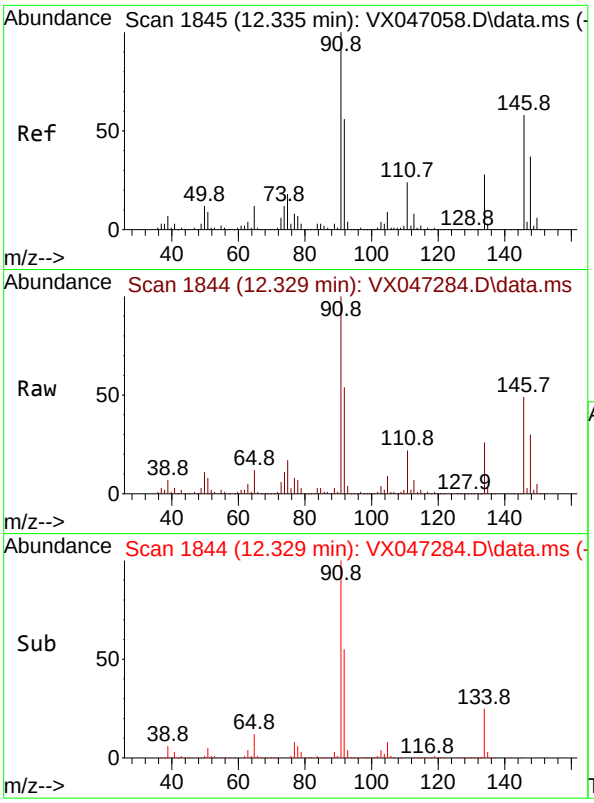


#90
Hexachloroethane
Concen: 49.356 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:117 Resp: 99243

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.8	104.5

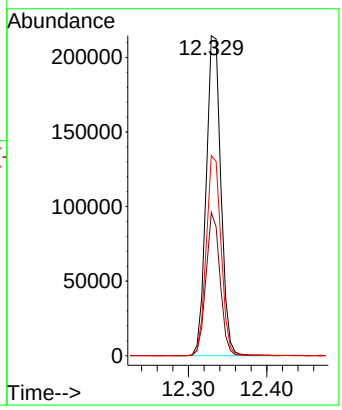




#91
1,2-Dichlorobenzene
Concen: 48.972 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:146 Resp: 27905

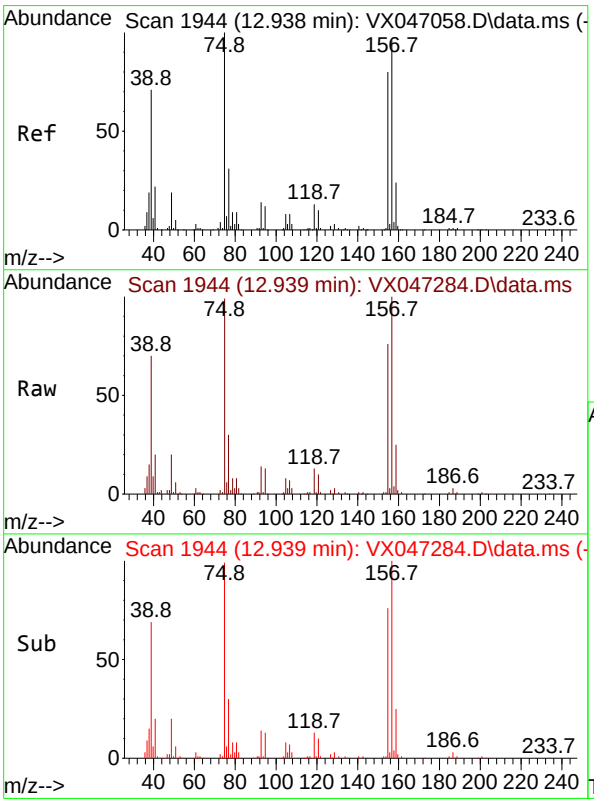
Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.6
148	63.0	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

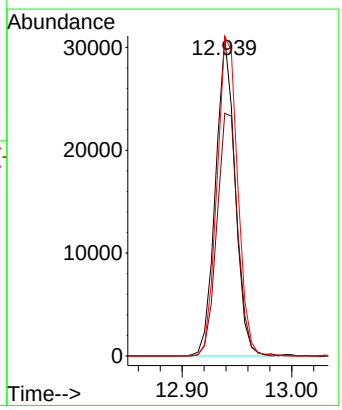
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

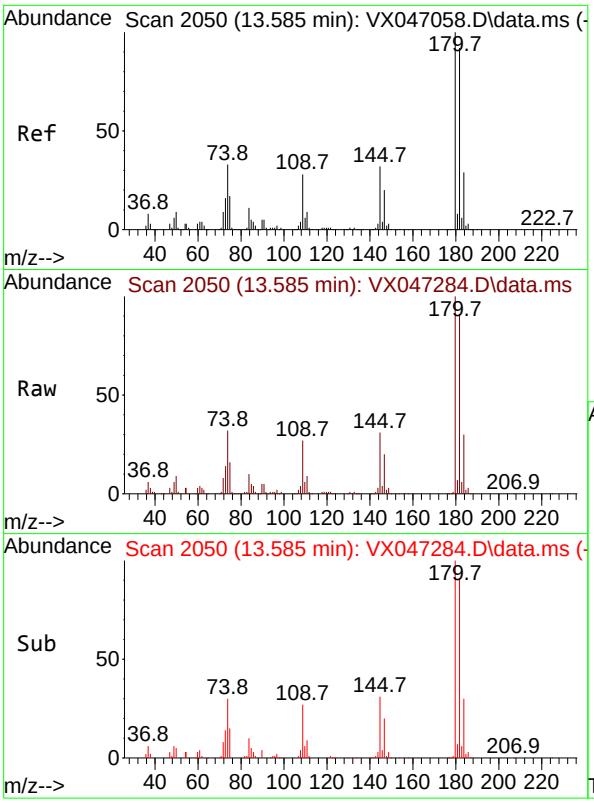


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.439 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 75 Resp: 38332

Ion	Ratio	Lower	Upper
75	100		
155	81.1	41.3	124.1
157	106.4	52.8	158.3

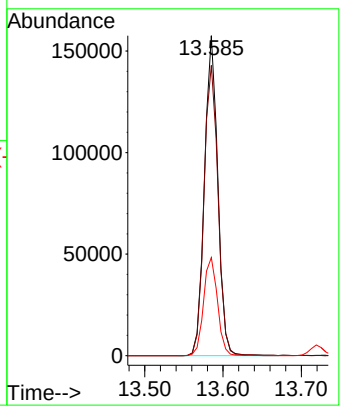




#93
1,2,4-Trichlorobenzene
Concen: 49.356 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:180 Resp: 18581

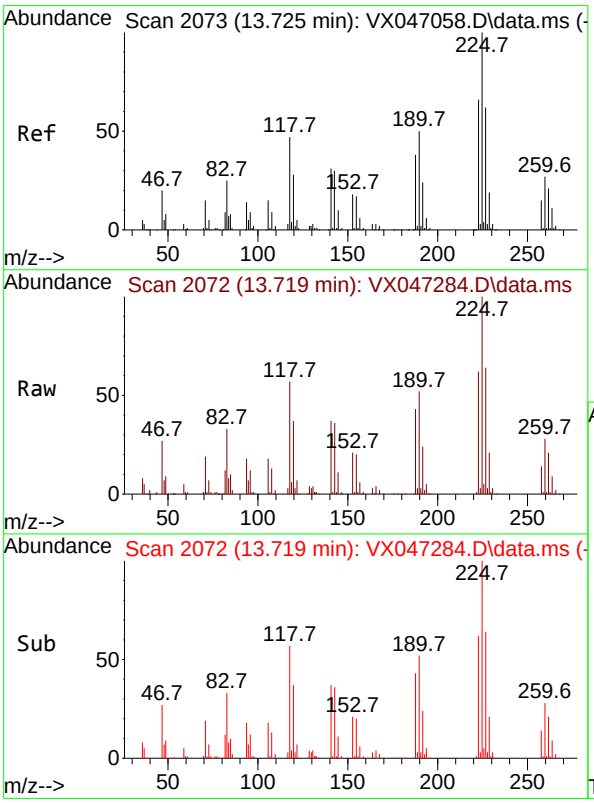
Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.8
145	32.0	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

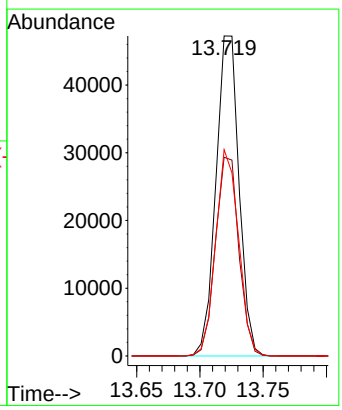
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

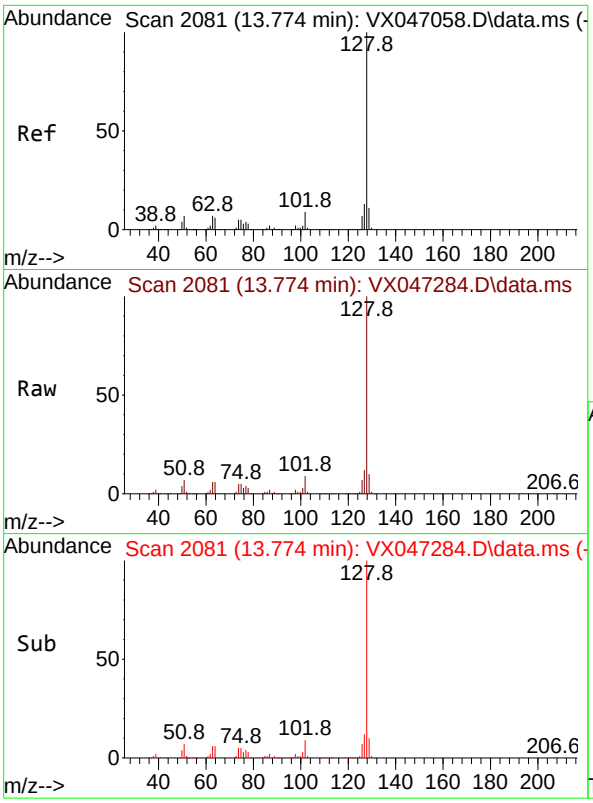


#94
Hexachlorobutadiene
Concen: 46.820 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:225 Resp: 59948

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.6	95.0
227	63.8	32.9	98.6

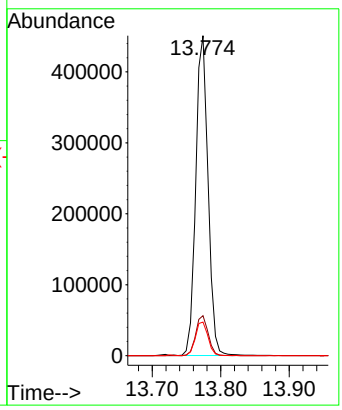




#95
Naphthalene
Concen: 51.047 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:128 Resp: 56339

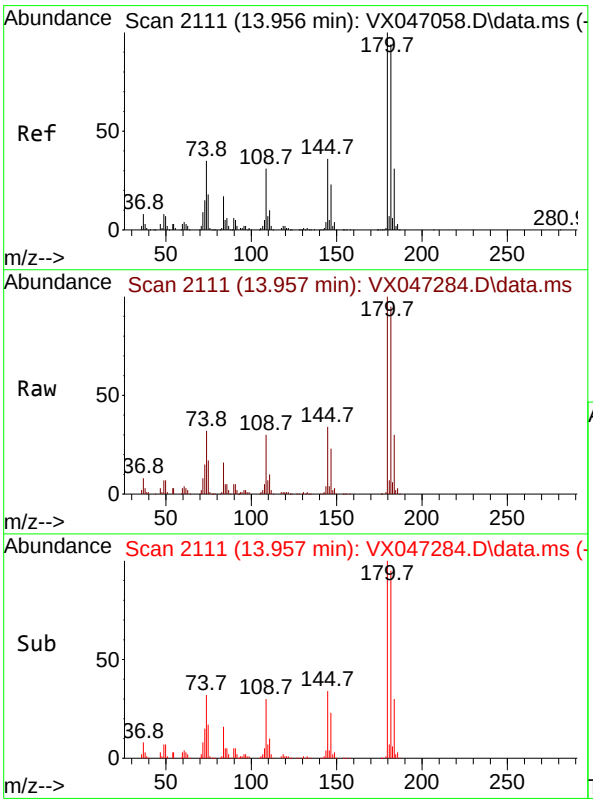
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

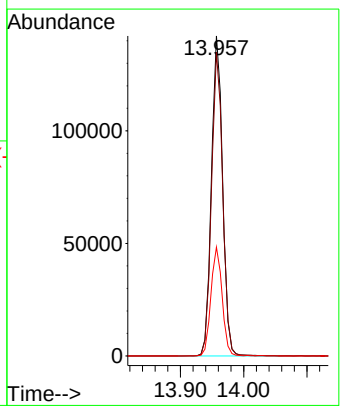
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.170 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:180 Resp: 174714

Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.6
145	34.2	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
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 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	72	0.00
2	T	Dichlorodifluoromethane	0.664	0.700	-5.4	65	0.00
3	P	Chloromethane	0.657	0.619	5.8	63	0.00
4	C	Vinyl Chloride	0.706	0.710	-0.6#	65	0.00
5	T	Bromomethane	0.384	0.423	-10.2	68	0.00
6	T	Chloroethane	0.464	0.423	8.8	64	0.00
7	T	Trichlorofluoromethane	1.053	1.060	-0.7	66	0.00
8	T	Diethyl Ether	0.371	0.379	-2.2	70	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.627	1.1	67	0.00
10	T	Methyl Iodide	0.647	1.049	-62.1#	103	0.00
11	T	Tert butyl alcohol	0.080	0.075	6.3	74	0.00
12	CM	1,1-Dichloroethene	0.628	0.616	1.9#	65	0.00
13	T	Acrolein	0.134	0.186	-38.8#	96	0.00
14	T	Allyl chloride	1.136	1.100	3.2	64	0.00
15	T	Acrylonitrile	0.297	0.308	-3.7	67	0.00
16	T	Acetone	0.250	0.262	-4.8	75	0.00
17	T	Carbon Disulfide	1.818	1.741	4.2	64	0.00
18	T	Methyl Acetate	0.663	0.767	-15.7	80	0.00
19	T	Methyl tert-butyl Ether	1.912	2.026	-6.0	71	0.00
20	T	Methylene Chloride	0.686	0.675	1.6	67	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.644	-0.2	66	0.00
22	T	Diisopropyl ether	2.184	2.219	-1.6	67	0.00
23	T	Vinyl Acetate	1.752	1.878	-7.2	69	0.00
24	P	1,1-Dichloroethane	1.214	1.182	2.6	65	0.00
25	T	2-Butanone	0.363	0.348	4.1	64	0.00
26	T	2,2-Dichloropropane	0.940	0.956	-1.7	70	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.747	1.8	66	0.00
28	T	Bromochloromethane	0.559	0.571	-2.1	67	0.00
29	T	Tetrahydrofuran	0.234	0.223	4.7	62	0.00
30	C	Chloroform	1.236	1.217	1.5#	68	0.00
31	T	Cyclohexane	1.164	1.087	6.6	64	0.00
32	T	1,1,1-Trichloroethane	1.074	1.058	1.5	67	0.00
33	S	1,2-Dichloroethane-d4	0.623	0.583	6.4	73	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
35	S	Dibromofluoromethane	0.309	0.317	-2.6	77	-0.01
36	T	1,1-Dichloropropene	0.526	0.503	4.4	66	0.00
37	T	Ethyl Acetate	0.485	0.559	-15.3	79	0.00
38	T	Carbon Tetrachloride	0.562	0.553	1.6	67	-0.01
39	T	Methylcyclohexane	0.657	0.628	4.4	65	0.00
40	TM	Benzene	1.523	1.515	0.5	66	0.00
41	T	Methacrylonitrile	0.254	0.234	7.9	58	0.00
42	TM	1,2-Dichloroethane	0.536	0.553	-3.2	69	0.00
43	T	Isopropyl Acetate	0.756	0.831	-9.9	70	0.00
44	TM	Trichloroethene	0.391	0.385	1.5	66	0.00
45	C	1,2-Dichloropropane	0.381	0.386	-1.3#	68	0.00
46	T	Dibromomethane	0.267	0.283	-6.0	69	0.00
47	T	Bromodichloromethane	0.569	0.591	-3.9	69	0.00
48	T	Methyl methacrylate	0.412	0.419	-1.7	68	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
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 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.005	0.0	63	0.01
50	S	Toluene-d8	1.000	0.887	11.3	69	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.476	-6.0	69	0.00
52	CM	Toluene	0.936	0.940	-0.4#	66	0.00
53	T	t-1,3-Dichloropropene	0.538	0.566	-5.2	69	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.609	-3.6	67	0.00
55	T	1,1,2-Trichloroethane	0.351	0.368	-4.8	70	0.00
56	T	Ethyl methacrylate	0.520	0.576	-10.8	69	0.00
57	T	1,3-Dichloropropane	0.610	0.631	-3.4	69	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.274	5.2	61	0.00
59	T	2-Hexanone	0.297	0.332	-11.8	69	0.00
60	T	Dibromochloromethane	0.412	0.442	-7.3	71	0.00
61	T	1,2-Dibromoethane	0.367	0.380	-3.5	69	0.00
62	S	4-Bromofluorobenzene	0.431	0.427	0.9	75	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	71	0.00
64	T	Tetrachloroethene	0.360	0.352	2.2	66	0.00
65	PM	Chlorobenzene	1.171	1.165	0.5	67	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.409	-3.8	69	0.00
67	C	Ethyl Benzene	2.048	2.055	-0.3#	66	0.00
68	T	m/p-Xylenes	0.766	0.769	-0.4	67	0.00
69	T	o-Xylene	0.729	0.741	-1.6	67	0.00
70	T	Styrene	1.250	1.290	-3.2	67	0.00
71	P	Bromoform	0.300	0.320	-6.7	70	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	74	0.00
73	T	Isopropylbenzene	3.945	3.828	3.0	66	0.00
74	T	N-amyl acetate	1.592	1.654	-3.9	69	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.141	-1.2	70	0.00
76	T	1,2,3-Trichloropropane	0.925	0.947	-2.4	71	0.00
77	T	Bromobenzene	0.946	0.935	1.2	68	0.00
78	T	n-propylbenzene	4.714	4.551	3.5	66	0.00
79	T	2-Chlorotoluene	2.818	2.721	3.4	67	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.156	3.2	66	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.237	34.0#	45#	0.00
82	T	4-Chlorotoluene	3.289	3.195	2.9	66	0.00
83	T	tert-Butylbenzene	3.271	3.178	2.8	66	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.200	1.6	66	0.00
85	T	sec-Butylbenzene	4.087	3.871	5.3	65	0.00
86	T	p-Isopropyltoluene	3.389	3.238	4.5	65	0.00
87	T	1,3-Dichlorobenzene	1.798	1.747	2.8	68	0.00
88	T	1,4-Dichlorobenzene	1.821	1.758	3.5	69	0.00
89	T	n-Butylbenzene	3.178	2.992	5.9	64	0.00
90	T	Hexachloroethane	0.606	0.598	1.3	68	0.00
91	T	1,2-Dichlorobenzene	1.718	1.683	2.0	68	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.231	-6.9	72	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.121	1.2	68	0.00
94	T	Hexachlorobutadiene	0.386	0.362	6.2	66	0.00
95	T	Naphthalene	3.328	3.398	-2.1	67	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
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 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	1.054	3.7	67	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
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 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	72	0.00
2	T	Dichlorodifluoromethane	50.000	52.715	-5.4	65	0.00
3	P	Chloromethane	50.000	47.089	5.8	63	0.00
4	C	Vinyl Chloride	50.000	50.300	-0.6#	65	0.00
5	T	Bromomethane	50.000	55.083	-10.2	68	0.00
6	T	Chloroethane	50.000	45.596	8.8	64	0.00
7	T	Trichlorofluoromethane	50.000	50.312	-0.6	66	0.00
8	T	Diethyl Ether	50.000	50.979	-2.0	70	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.450	1.1	67	0.00
10	T	Methyl Iodide	50.000	81.141	-62.3#	103	0.00
11	T	Tert butyl alcohol	250.000	259.145	-3.7	74	0.00
12	CM	1,1-Dichloroethene	50.000	48.979	2.0#	65	0.00
13	T	Acrolein	250.000	346.019	-38.4#	96	0.00
14	T	Allyl chloride	50.000	48.438	3.1	64	0.00
15	T	Acrylonitrile	250.000	259.583	-3.8	67	0.00
16	T	Acetone	250.000	262.311	-4.9	75	0.00
17	T	Carbon Disulfide	50.000	47.887	4.2	64	0.00
18	T	Methyl Acetate	50.000	57.839	-15.7	80	0.00
19	T	Methyl tert-butyl Ether	50.000	52.982	-6.0	71	0.00
20	T	Methylene Chloride	50.000	49.181	1.6	67	0.00
21	T	trans-1,2-Dichloroethene	50.000	50.102	-0.2	66	0.00
22	T	Diisopropyl ether	50.000	50.807	-1.6	67	0.00
23	T	Vinyl Acetate	250.000	268.090	-7.2	69	0.00
24	P	1,1-Dichloroethane	50.000	48.683	2.6	65	0.00
25	T	2-Butanone	250.000	239.268	4.3	64	0.00
26	T	2,2-Dichloropropane	50.000	50.870	-1.7	70	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.083	1.8	66	0.00
28	T	Bromochloromethane	50.000	51.137	-2.3	67	0.00
29	T	Tetrahydrofuran	250.000	237.470	5.0	62	0.00
30	C	Chloroform	50.000	49.242	1.5#	68	0.00
31	T	Cyclohexane	50.000	46.661	6.7	64	0.00
32	T	1,1,1-Trichloroethane	50.000	49.285	1.4	67	0.00
33	S	1,2-Dichloroethane-d4	50.000	46.806	6.4	73	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	72	0.00
35	S	Dibromofluoromethane	50.000	51.356	-2.7	77	-0.01
36	T	1,1-Dichloropropene	50.000	47.793	4.4	66	0.00
37	T	Ethyl Acetate	50.000	57.688	-15.4	79	0.00
38	T	Carbon Tetrachloride	50.000	49.200	1.6	67	-0.01
39	T	Methylcyclohexane	50.000	47.804	4.4	65	0.00
40	TM	Benzene	50.000	49.740	0.5	66	0.00
41	T	Methacrylonitrile	50.000	46.227	7.5	58	0.00
42	TM	1,2-Dichloroethane	50.000	51.566	-3.1	69	0.00
43	T	Isopropyl Acetate	50.000	54.939	-9.9	70	0.00
44	TM	Trichloroethene	50.000	49.268	1.5	66	0.00
45	C	1,2-Dichloropropane	50.000	50.611	-1.2#	68	0.00
46	T	Dibromomethane	50.000	52.854	-5.7	69	0.00
47	T	Bromodichloromethane	50.000	51.865	-3.7	69	0.00
48	T	Methyl methacrylate	50.000	50.837	-1.7	68	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
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 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	972.087	2.8	63	0.01
50	S	Toluene-d8	50.000	44.372	11.3	69	0.00
51	T	4-Methyl-2-Pentanone	250.000	264.926	-6.0	69	0.00
52	CM	Toluene	50.000	50.178	-0.4#	66	0.00
53	T	t-1,3-Dichloropropene	50.000	52.654	-5.3	69	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.782	-3.6	67	0.00
55	T	1,1,2-Trichloroethane	50.000	52.358	-4.7	70	0.00
56	T	Ethyl methacrylate	50.000	55.430	-10.9	69	0.00
57	T	1,3-Dichloropropane	50.000	51.654	-3.3	69	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	236.756	5.3	61	0.00
59	T	2-Hexanone	250.000	279.986	-12.0	69	0.00
60	T	Dibromochloromethane	50.000	53.664	-7.3	71	0.00
61	T	1,2-Dibromoethane	50.000	51.802	-3.6	69	0.00
62	S	4-Bromofluorobenzene	50.000	49.497	1.0	75	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	71	0.00
64	T	Tetrachloroethene	50.000	48.805	2.4	66	0.00
65	PM	Chlorobenzene	50.000	49.749	0.5	67	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.903	-3.8	69	0.00
67	C	Ethyl Benzene	50.000	50.181	-0.4#	66	0.00
68	T	m/p-Xylenes	100.000	100.400	-0.4	67	0.00
69	T	o-Xylene	50.000	50.835	-1.7	67	0.00
70	T	Styrene	50.000	51.604	-3.2	67	0.00
71	P	Bromoform	50.000	53.462	-6.9	70	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	74	0.00
73	T	Isopropylbenzene	50.000	48.515	3.0	66	0.00
74	T	N-amyl acetate	50.000	51.971	-3.9	69	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	50.649	-1.3	70	0.00
76	T	1,2,3-Trichloropropane	50.000	51.158	-2.3	71	0.00
77	T	Bromobenzene	50.000	49.428	1.1	68	0.00
78	T	n-propylbenzene	50.000	48.268	3.5	66	0.00
79	T	2-Chlorotoluene	50.000	48.283	3.4	67	0.00
80	T	1,3,5-Trimethylbenzene	50.000	48.423	3.2	66	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	32.932	34.1#	45	0.00
82	T	4-Chlorotoluene	50.000	48.570	2.9	66	0.00
83	T	tert-Butylbenzene	50.000	48.579	2.8	66	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.223	1.6	66	0.00
85	T	sec-Butylbenzene	50.000	47.364	5.3	65	0.00
86	T	p-Isopropyltoluene	50.000	47.765	4.5	65	0.00
87	T	1,3-Dichlorobenzene	50.000	48.591	2.8	68	0.00
88	T	1,4-Dichlorobenzene	50.000	48.252	3.5	69	0.00
89	T	n-Butylbenzene	50.000	47.076	5.8	64	0.00
90	T	Hexachloroethane	50.000	49.356	1.3	68	0.00
91	T	1,2-Dichlorobenzene	50.000	48.972	2.1	68	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.439	-6.9	72	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.356	1.3	68	0.00
94	T	Hexachlorobutadiene	50.000	46.820	6.4	66	0.00
95	T	Naphthalene	50.000	51.047	-2.1	67	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
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 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	48.170	3.7	67	0.00

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	FIRS02
Lab Code:	ACE	SDG No.:	Q2814
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/12/2025 18:54
Lab File ID:	VX047307.D	Init. Calib. Date(s):	07/21/2025 07/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.664	0.735		10.69	50
Chloromethane	0.657	0.631	0.1	-3.96	50
Vinyl Chloride	0.706	0.753		6.66	50
Bromomethane	0.384	0.327		-14.84	50
Chloroethane	0.464	0.445		-4.09	50
Trichlorofluoromethane	1.053	1.120		6.36	50
1,1,2-Trichlorotrifluoroethane	0.634	0.661		4.26	50
1,1-Dichloroethene	0.628	0.651		3.66	50
Acetone	0.250	0.248		-0.8	50
Carbon Disulfide	1.818	1.760		-3.19	50
Methyl tert-butyl Ether	1.912	2.036		6.49	50
Methyl Acetate	0.663	0.773		16.59	50
Methylene Chloride	0.686	0.707		3.06	50
trans-1,2-Dichloroethene	0.643	0.672		4.51	50
1,1-Dichloroethane	1.214	1.249	0.1	2.88	50
Cyclohexane	1.164	1.109		-4.72	50
2-Butanone	0.363	0.360		-0.83	50
Carbon Tetrachloride	0.562	0.558		-0.71	50
cis-1,2-Dichloroethene	0.761	0.788		3.55	50
Bromochloromethane	0.559	0.602		7.69	50
Chloroform	1.236	1.266		2.43	50
1,1,1-Trichloroethane	1.074	1.097		2.14	50
Methylcyclohexane	0.657	0.620		-5.63	50
Benzene	1.523	1.543		1.31	50
1,2-Dichloroethane	0.536	0.554		3.36	50
Trichloroethene	0.391	0.393		0.51	50
1,2-Dichloropropane	0.381	0.387		1.58	50
Bromodichloromethane	0.569	0.583		2.46	50
4-Methyl-2-Pentanone	0.449	0.484		7.8	50
Toluene	0.936	0.964		2.99	50
t-1,3-Dichloropropene	0.538	0.513		-4.65	50
cis-1,3-Dichloropropene	0.588	0.569		-3.23	50
1,1,2-Trichloroethane	0.351	0.363		3.42	50
2-Hexanone	0.297	0.337		13.47	50
Dibromochloromethane	0.412	0.428		3.88	50
1,2-Dibromoethane	0.367	0.374		1.91	50
Tetrachloroethene	0.360	0.362		0.56	50
Chlorobenzene	1.171	1.188	0.3	1.45	50

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

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:	FIRS02
Lab Code:	ACE	SDG No.:	Q2814
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/12/2025 18:54
Lab File ID:	VX047307.D	Init. Calib. Date(s):	07/21/2025 07/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.048	2.104		2.73	50
m/p-Xylenes	0.766	0.789		3	50
o-Xylene	0.729	0.756		3.7	50
Styrene	1.250	1.307		4.56	50
Bromoform	0.300	0.314	0.1	4.67	50
Isopropylbenzene	3.945	3.955		0.25	50
1,1,2,2-Tetrachloroethane	1.127	1.184	0.3	5.06	50
1,3-Dichlorobenzene	1.798	1.779		-1.06	50
1,4-Dichlorobenzene	1.821	1.791		-1.65	50
1,2-Dichlorobenzene	1.718	1.727		0.52	50
1,2-Dibromo-3-Chloropropane	0.216	0.232		7.41	50
1,2,4-Trichlorobenzene	1.135	1.124		-0.97	50
1,2,3-Trichlorobenzene	1.094	1.055		-3.57	50
1,2-Dichloroethane-d4	0.623	0.603		-3.21	50
Dibromofluoromethane	0.309	0.319		3.24	50
Toluene-d8	1.000	0.897		-10.3	50
4-Bromofluorobenzene	0.431	0.423		-1.86	50

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\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	215996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	368205	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	323727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	161700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	130292	48.424	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.840%			
35) Dibromofluoromethane	5.403	113	117551	51.707	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.420%			
50) Toluene-d8	8.653	98	330293	44.862	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.720%#			
62) 4-Bromofluorobenzene	11.079	95	155757	49.091	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	158683	55.310	ug/l	98
3) Chloromethane	1.313	50	136255	48.012	ug/l	99
4) Vinyl Chloride	1.392	62	162557	53.286	ug/l	100
5) Bromomethane	1.624	94	70711	42.670	ug/l	94
6) Chloroethane	1.703	64	96058	47.942	ug/l	99
7) Trichlorofluoromethane	1.904	101	241849	53.166	ug/l	100
8) Diethyl Ether	2.148	74	82367	51.354	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	142678	52.060	ug/l	99
10) Methyl Iodide	2.471	142	196261	70.265	ug/l	99
11) Tert butyl alcohol	2.965	59	81814	260.548	ug/l	98
12) 1,1-Dichloroethene	2.337	96	140634	51.809	ug/l	98
13) Acrolein	2.251	56	191504	330.555	ug/l	99
14) Allyl chloride	2.684	41	239286	48.767	ug/l	98
15) Acrylonitrile	3.081	53	342692	267.053	ug/l	99
16) Acetone	2.392	43	267952	248.594	ug/l	98
17) Carbon Disulfide	2.532	76	380084	48.401	ug/l	99
18) Methyl Acetate	2.721	43	166988	58.297	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	439853	53.243	ug/l	100
20) Methylene Chloride	2.806	84	152756	51.514	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	145059	52.222	ug/l	97
22) Diisopropyl ether	3.776	45	493204	52.281	ug/l	98
23) Vinyl Acetate	3.739	43	2020262	267.002	ug/l	100
24) 1,1-Dichloroethane	3.629	63	269844	51.439	ug/l	98
25) 2-Butanone	4.574	43	388866	247.769	ug/l	95
26) 2,2-Dichloropropane	4.495	77	174083	42.869	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	170185	51.739	ug/l	97
28) Bromochloromethane	4.916	49	129983	53.858	ug/l	100
29) Tetrahydrofuran	5.025	42	259007	255.772	ug/l	99
30) Chloroform	5.111	83	273523	51.222	ug/l	99
31) Cyclohexane	5.489	56	239579	47.631	ug/l	96
32) 1,1,1-Trichloroethane	5.397	97	236883	51.073	ug/l	99
36) 1,1-Dichloropropene	5.708	75	189695	48.951	ug/l	100
37) Ethyl Acetate	4.727	43	213863	59.891	ug/l	95
38) Carbon Tetrachloride	5.690	117	205421	49.665	ug/l	99
39) Methylcyclohexane	7.385	83	228274	47.179	ug/l	97
40) Benzene	6.050	78	568008	50.647	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.940	41	92486	49.535 ug/l #	92
42) 1,2-Dichloroethane	6.098	62	203832	51.596 ug/l	99
43) Isopropyl Acetate	6.348	43	297523	53.445 ug/l	99
44) Trichloroethene	7.135	130	144557	50.265 ug/l	88
45) 1,2-Dichloropropane	7.440	63	142327	50.671 ug/l	95
46) Dibromomethane	7.586	93	102887	52.234 ug/l	99
47) Bromodichloromethane	7.830	83	214793	51.231 ug/l	99
48) Methyl methacrylate	7.696	41	156932	51.748 ug/l	99
49) 1,4-Dioxane	7.677	88	29515	855.697 ug/l	98
51) 4-Methyl-2-Pentanone	8.574	43	891277	269.360 ug/l	99
52) Toluene	8.720	92	354794	51.450 ug/l	98
53) t-1,3-Dichloropropene	8.982	75	189031	47.746 ug/l	99
54) cis-1,3-Dichloropropene	8.372	75	209668	48.387 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	133763	51.723 ug/l	98
56) Ethyl methacrylate	9.116	69	211187	55.161 ug/l	99
57) 1,3-Dichloropropane	9.311	76	232270	51.678 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	537996	252.526 ug/l	99
59) 2-Hexanone	9.433	43	620680	283.920 ug/l	100
60) Dibromochloromethane	9.518	129	157647	51.976 ug/l	100
61) 1,2-Dibromoethane	9.610	107	137616	50.891 ug/l	98
64) Tetrachloroethene	9.275	164	117308	50.267 ug/l	95
65) Chlorobenzene	10.079	112	384532	50.704 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	131306	51.426 ug/l	99
67) Ethyl Benzene	10.195	91	681158	51.369 ug/l	100
68) m/p-Xylenes	10.299	106	510770	102.933 ug/l	99
69) o-Xylene	10.640	106	244681	51.832 ug/l	100
70) Styrene	10.652	104	423003	52.257 ug/l	100
71) Bromoform	10.799	173	101601	52.383 ug/l	100
73) Isopropylbenzene	10.963	105	639550	50.133 ug/l	100
74) N-amyl acetate	10.841	43	266967	51.866 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	191413	52.528 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	148861m	49.737 ug/l	
77) Bromobenzene	11.195	156	157666	51.527 ug/l	97
78) n-propylbenzene	11.305	91	762426	50.013 ug/l	99
79) 2-Chlorotoluene	11.360	91	453787	49.797 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	524390	49.756 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	26071	22.442 ug/l	94
82) 4-Chlorotoluene	11.451	91	530975	49.920 ug/l	98
83) tert-Butylbenzene	11.713	119	528279	49.940 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	528370	50.262 ug/l	99
85) sec-Butylbenzene	11.890	105	643045	48.652 ug/l	100
86) p-Isopropyltoluene	12.006	119	538783	49.156 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	287667	49.479 ug/l	99
88) 1,4-Dichlorobenzene	12.042	146	289648	49.174 ug/l	96
89) n-Butylbenzene	12.329	91	490485	47.718 ug/l	98
90) Hexachloroethane	12.536	117	93824	47.850 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	279275	50.259 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37523	53.644 ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	181698	49.491 ug/l	100
94) Hexachlorobutadiene	13.725	225	54991	44.043 ug/l	98
95) Naphthalene	13.774	128	559450	51.981 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	170531	48.215 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

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

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

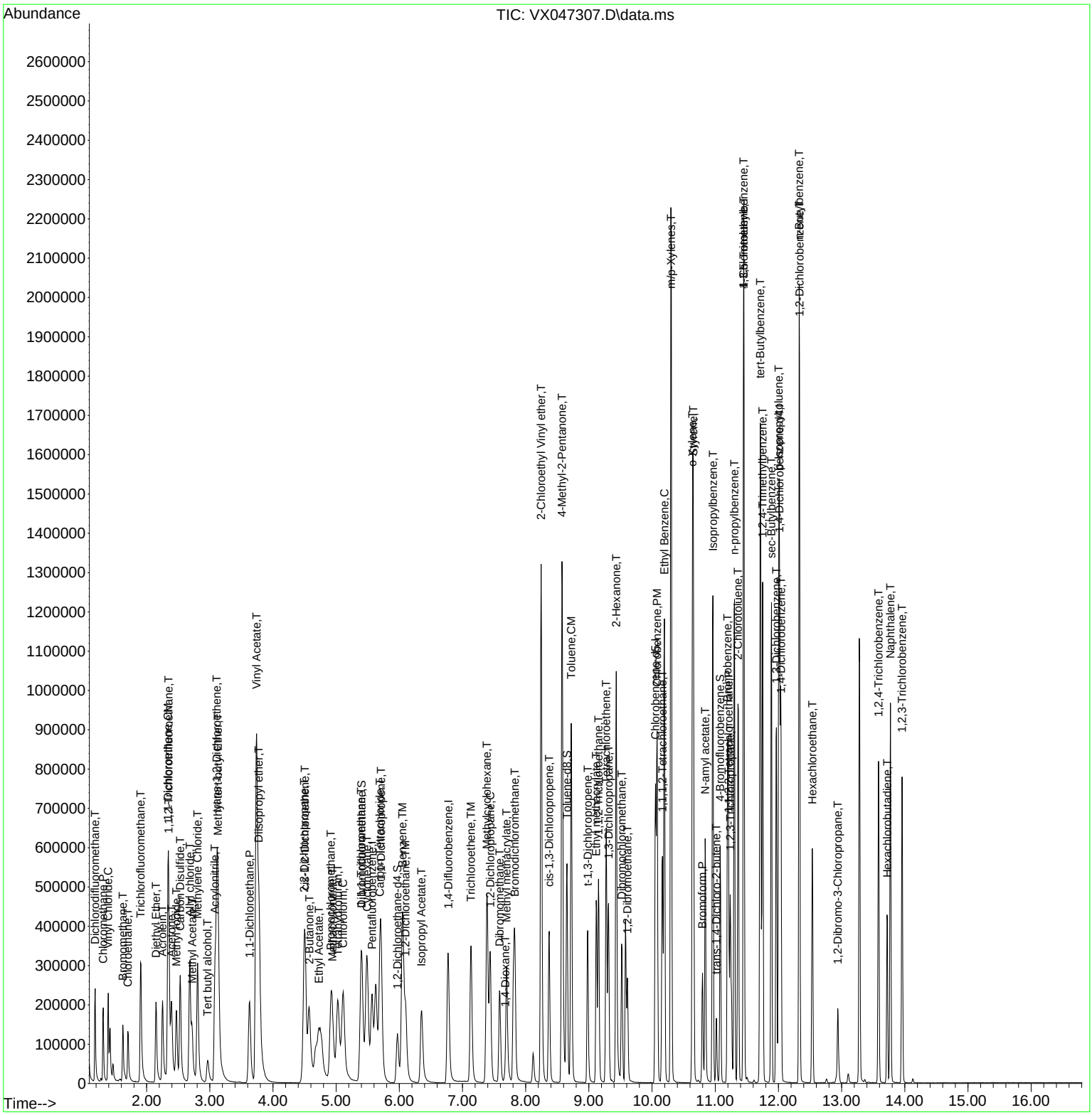
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

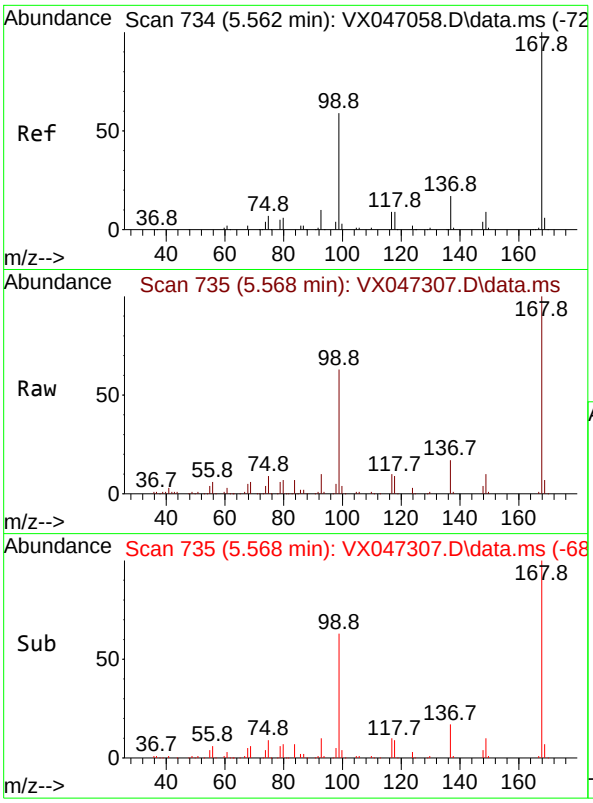
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Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
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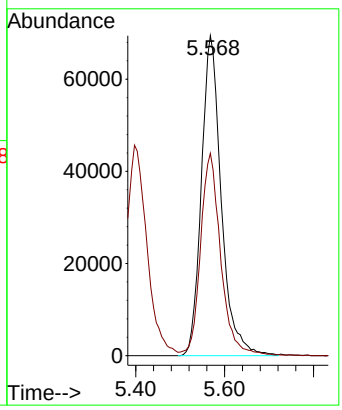




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:168 Resp: 21599

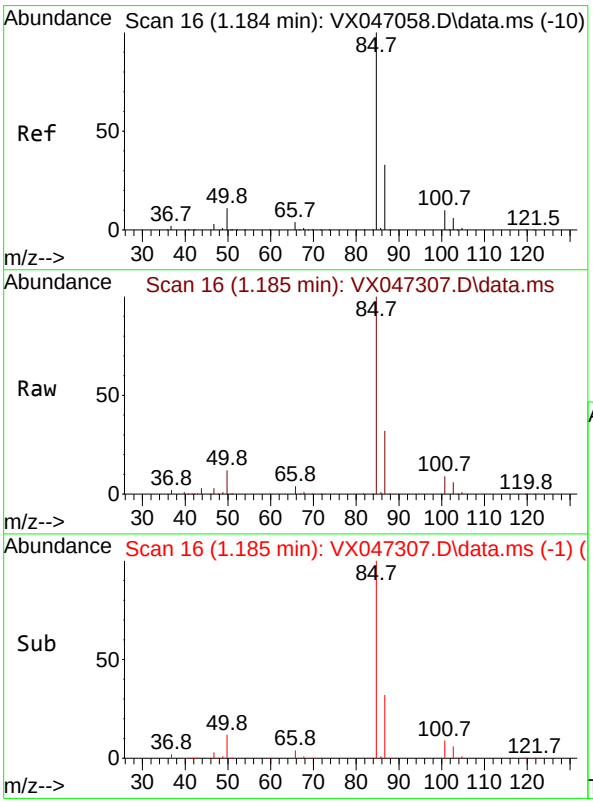
Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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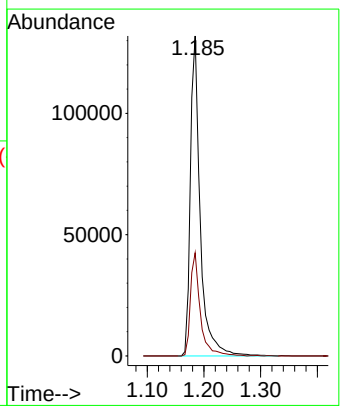
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

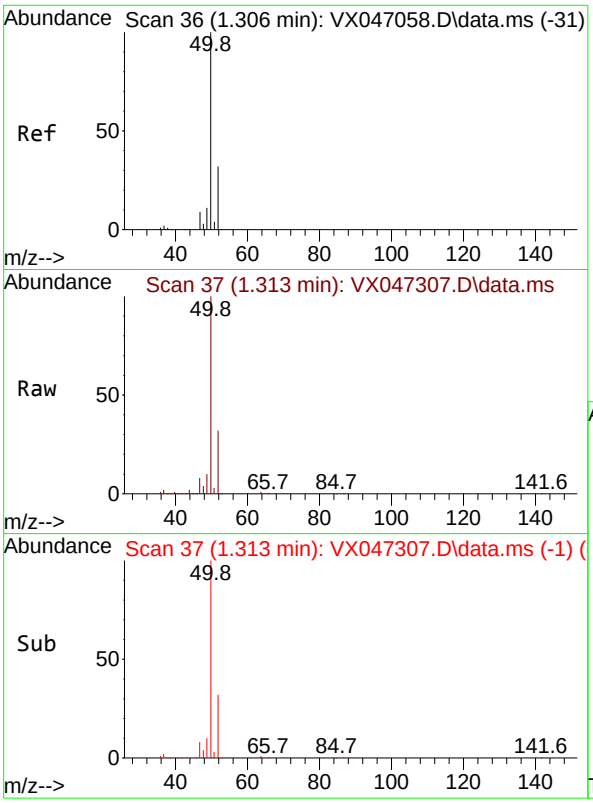


#2
Dichlorodifluoromethane
Concen: 55.310 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 85 Resp: 158683

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8

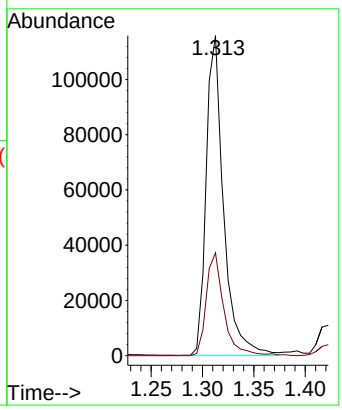




#3
Chloromethane
Concen: 48.012 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 50 Resp: 13625

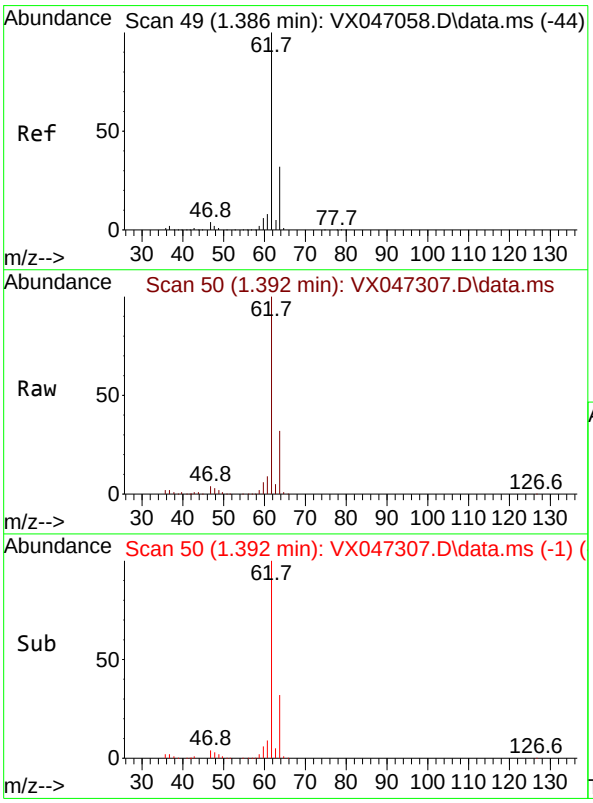
Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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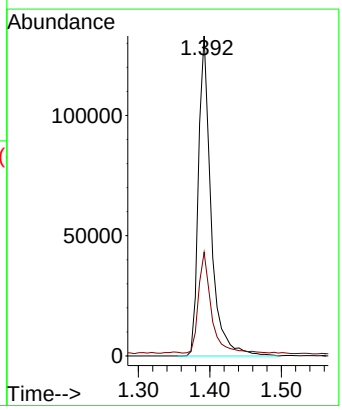
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

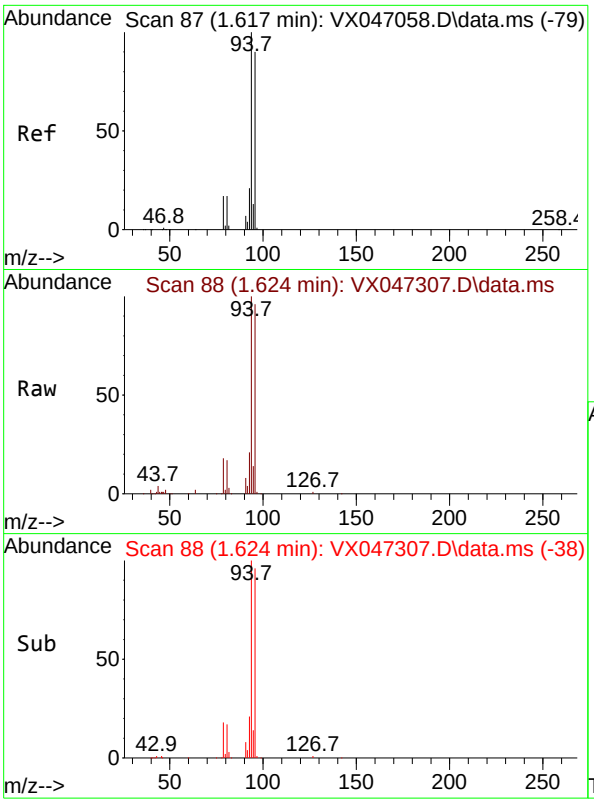


#4
Vinyl Chloride
Concen: 53.286 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 62 Resp: 162557

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.2	37.8

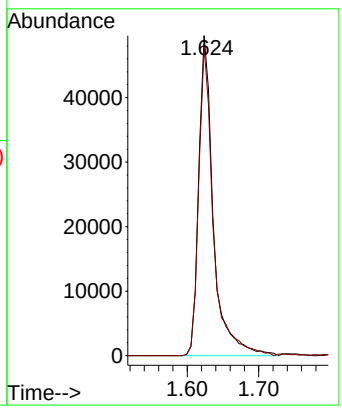




#5
Bromomethane
Concen: 42.670 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 94 Resp: 7071

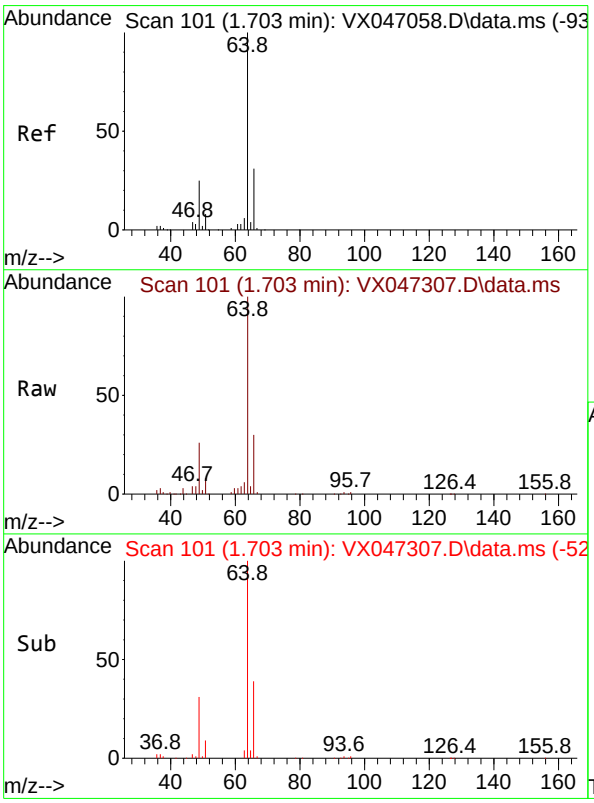
Ion	Ratio	Lower	Upper
94	100		
96	96.4	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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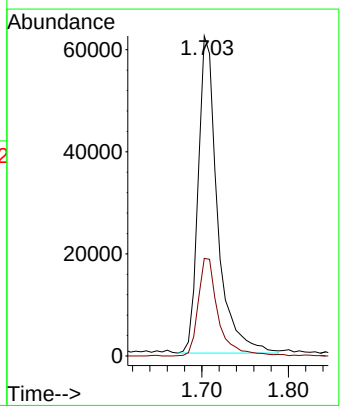
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

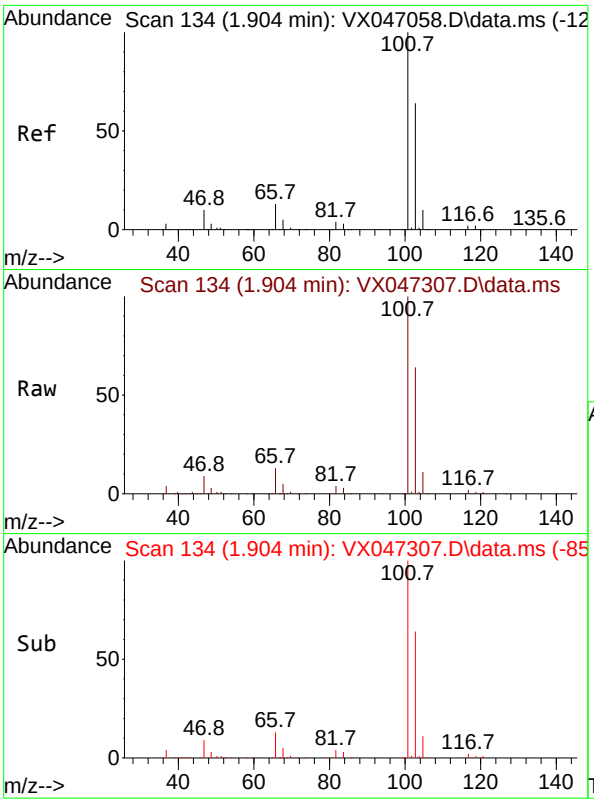


#6
Chloroethane
Concen: 47.942 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 64 Resp: 96058

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.0	37.6

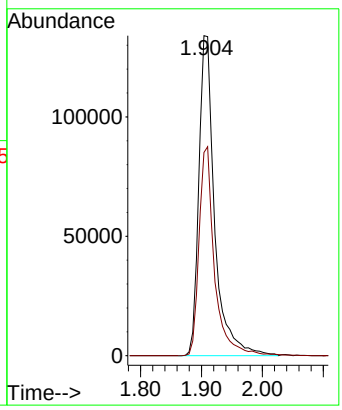




#7
Trichlorofluoromethane
Concen: 53.166 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:101 Resp: 24184

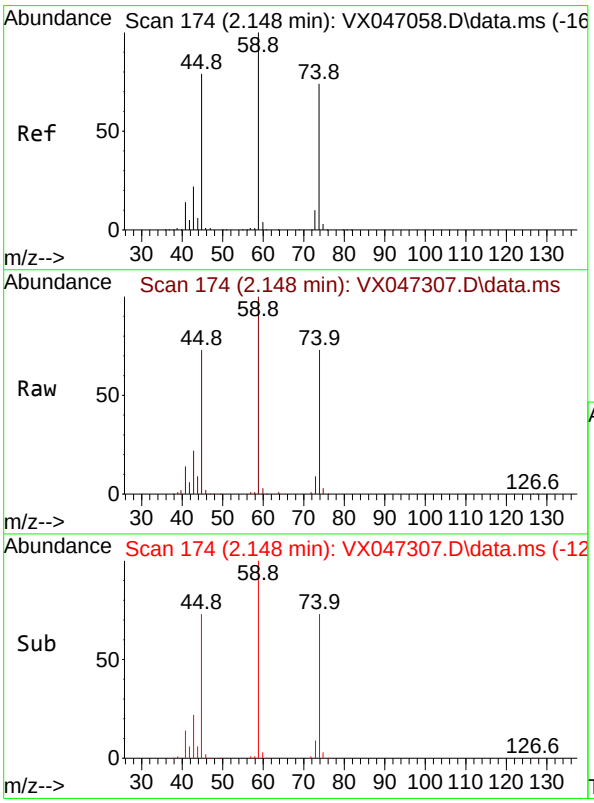
Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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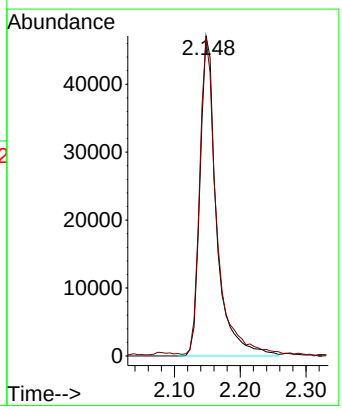
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

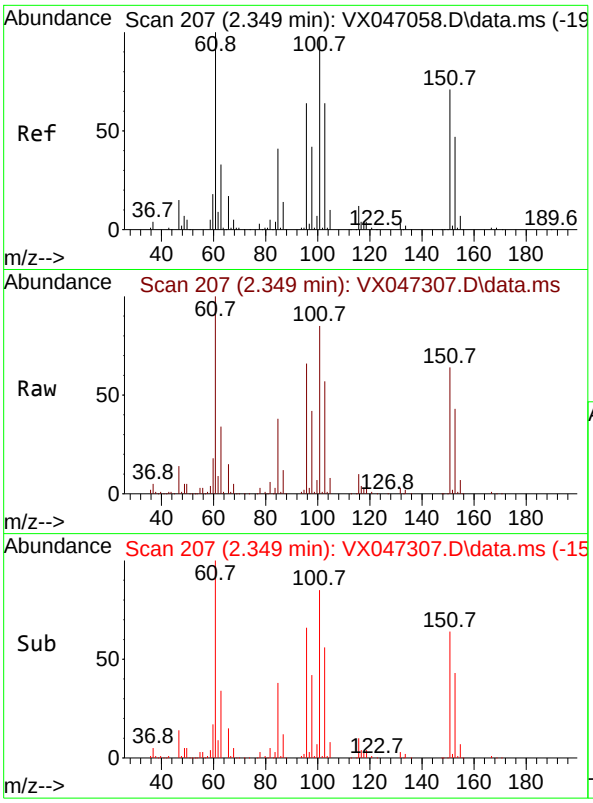


#8
Diethyl Ether
Concen: 51.354 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 74 Resp: 82367

Ion	Ratio	Lower	Upper
74	100		
45	104.3	53.0	159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.060 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

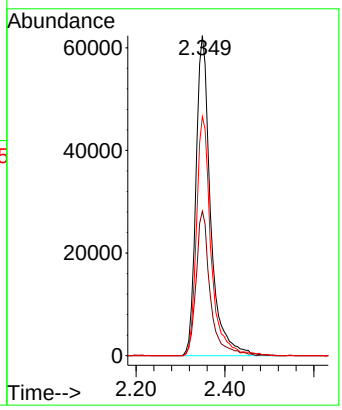
Tgt Ion:101 Resp: 14267

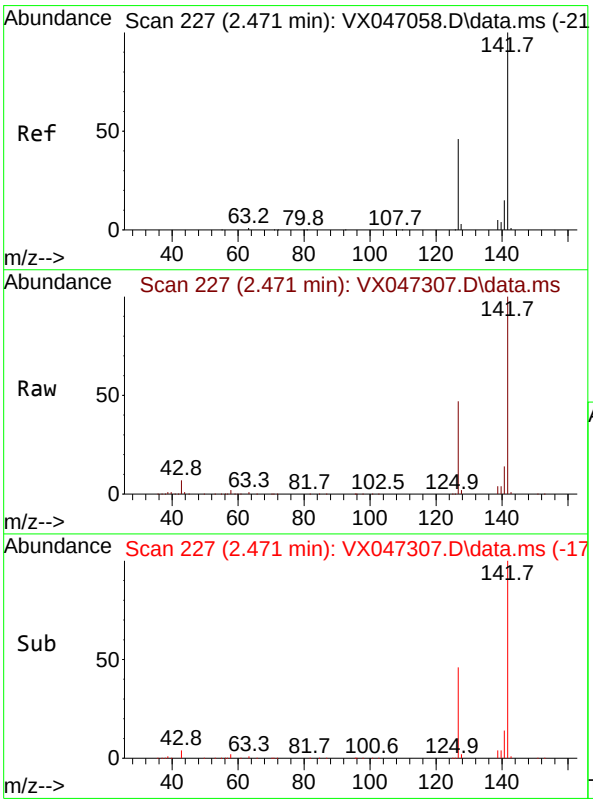
Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.4	53.0
151	74.4	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

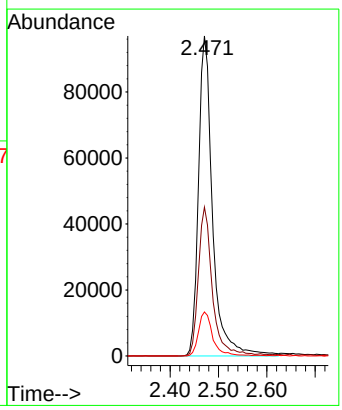


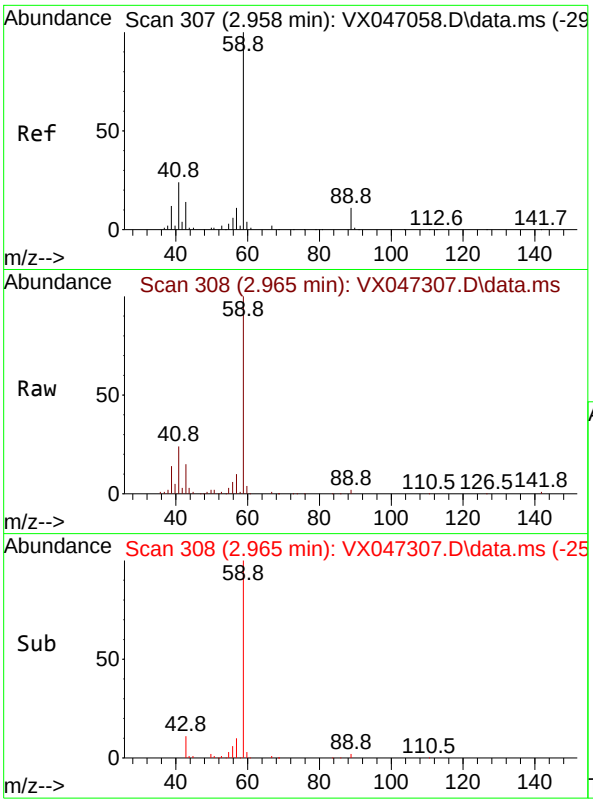


#10
Methyl Iodide
Concen: 70.265 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:142 Resp: 196261

Ion	Ratio	Lower	Upper
142	100		
127	46.2	36.6	54.8
141	14.0	10.9	16.3

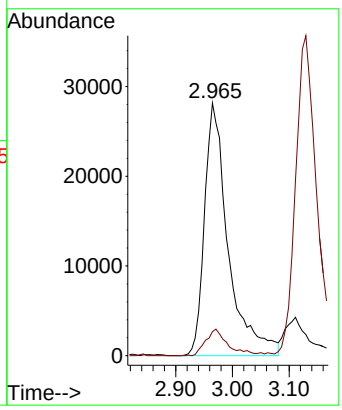




#11
Tert butyl alcohol
Concen: 260.548 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 59 Resp: 8181

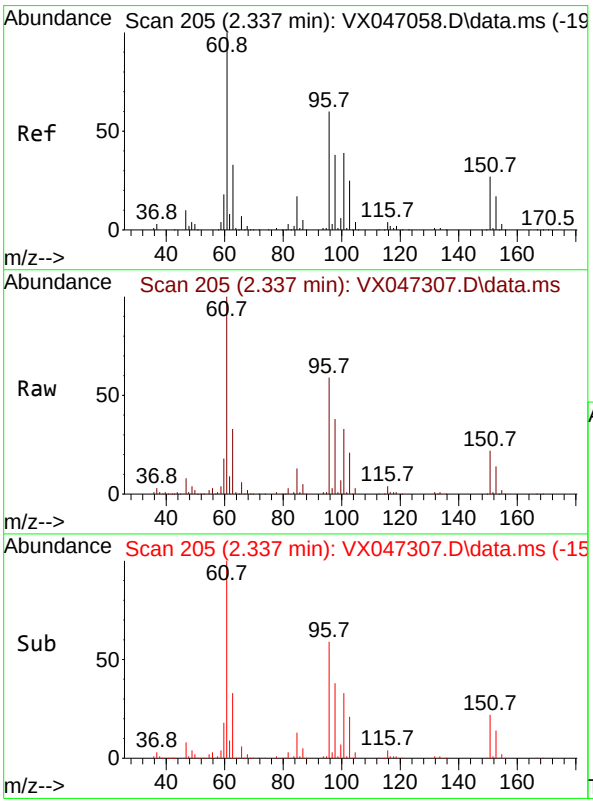
Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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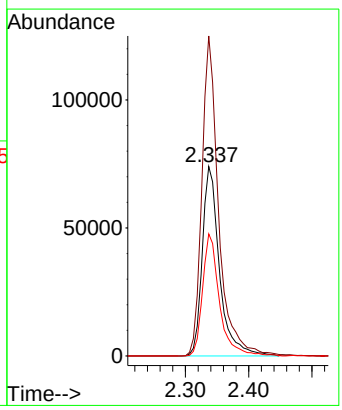
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

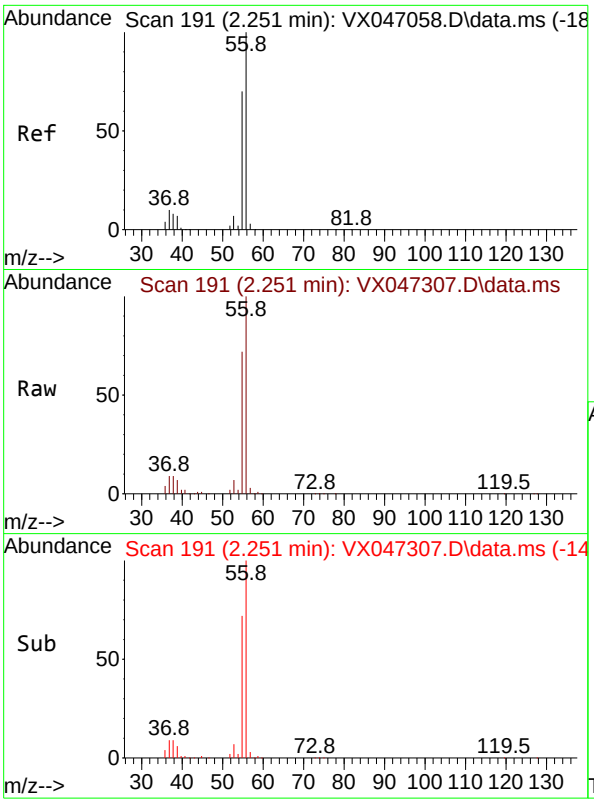


#12
1,1-Dichloroethene
Concen: 51.809 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 96 Resp: 140634

Ion	Ratio	Lower	Upper
96	100		
61	168.9	132.6	198.8
98	64.4	50.2	75.4

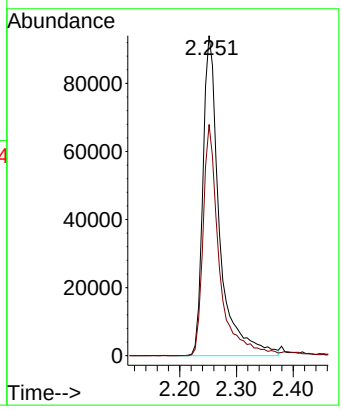




#13
Acrolein
Concen: 330.555 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

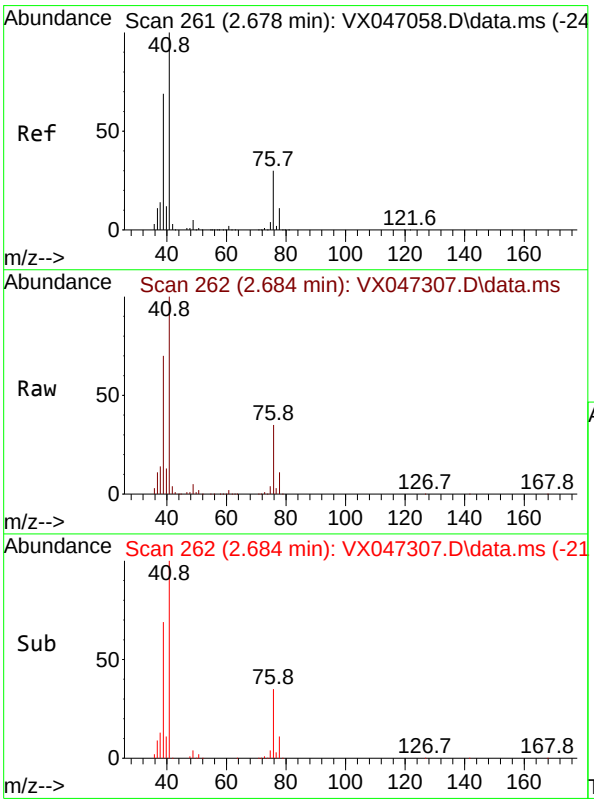
Tgt Ion: 56 Resp: 19150

Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

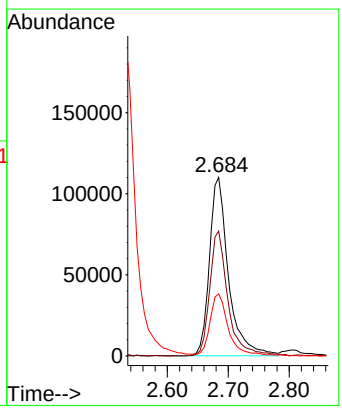
Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

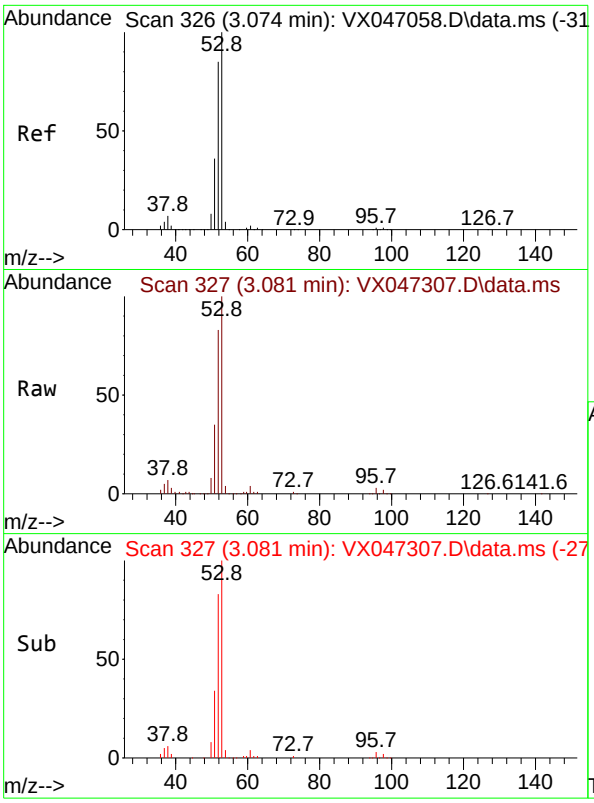


#14
Allyl chloride
Concen: 48.767 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 41 Resp: 239286

Ion	Ratio	Lower	Upper
41	100		
39	67.1	52.6	78.8
76	33.9	25.7	38.5





#15
Acrylonitrile
Concen: 267.053 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

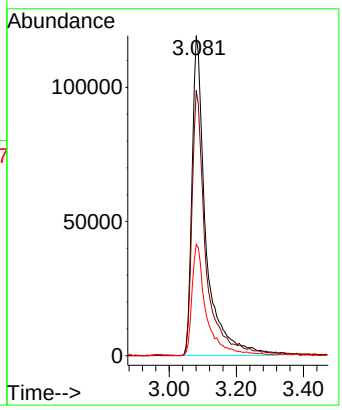
Tgt Ion: 53 Resp: 34269

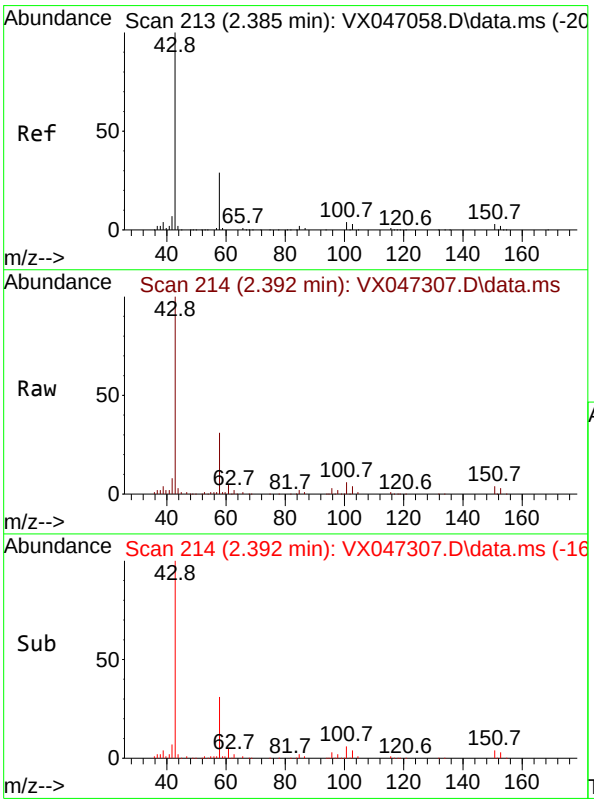
Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.7	98.5
51	36.5	28.8	43.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

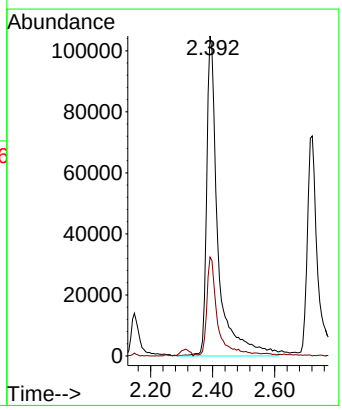


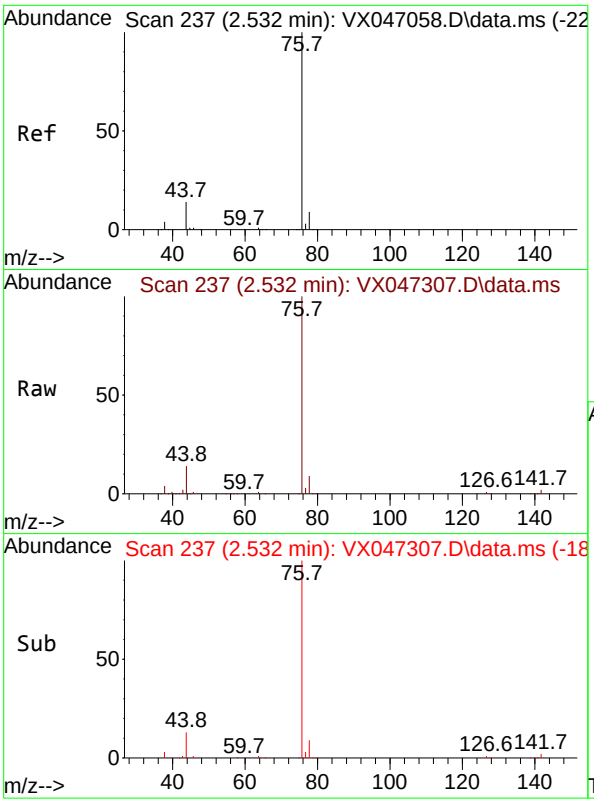


#16
Acetone
Concen: 248.594 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 43 Resp: 267952

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0

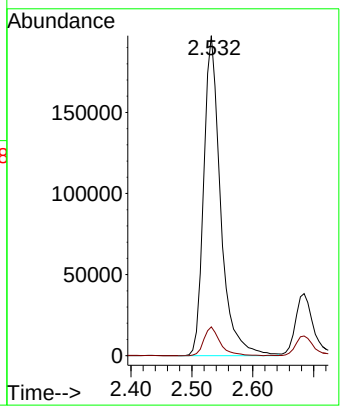




#17
Carbon Disulfide
Concen: 48.401 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 76 Resp: 38008

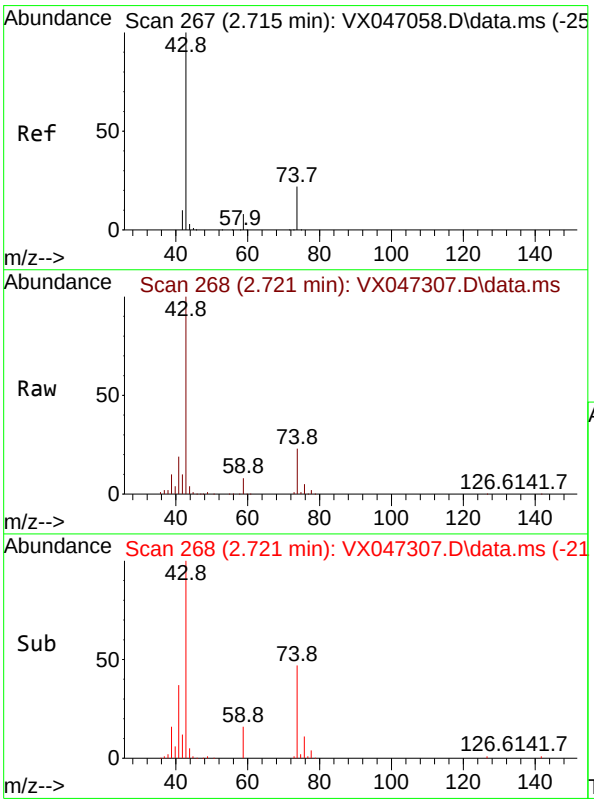
Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

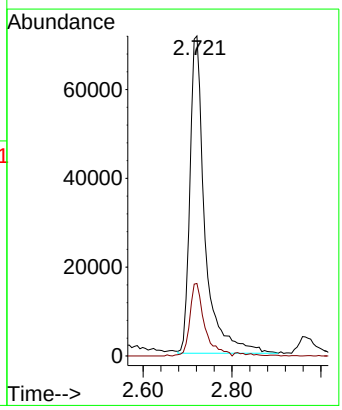
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

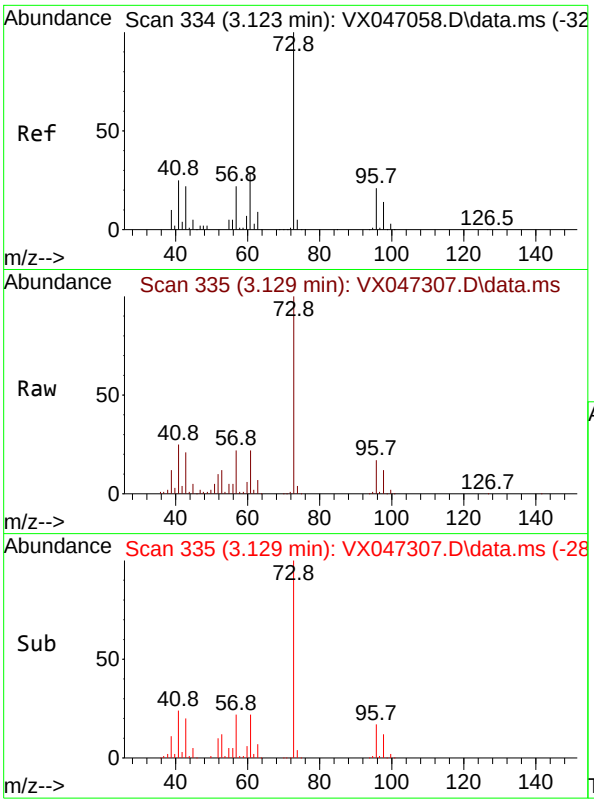


#18
Methyl Acetate
Concen: 58.297 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 43 Resp: 166988

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.7	26.5

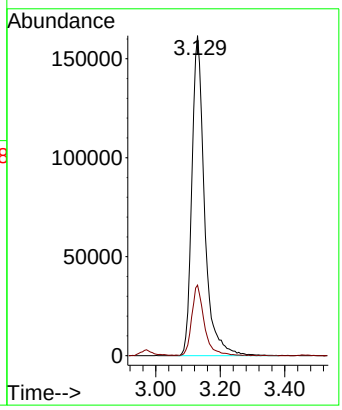




#19
Methyl tert-butyl Ether
Concen: 53.243 ug/l
RT: 3.129 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 73 Resp: 43985

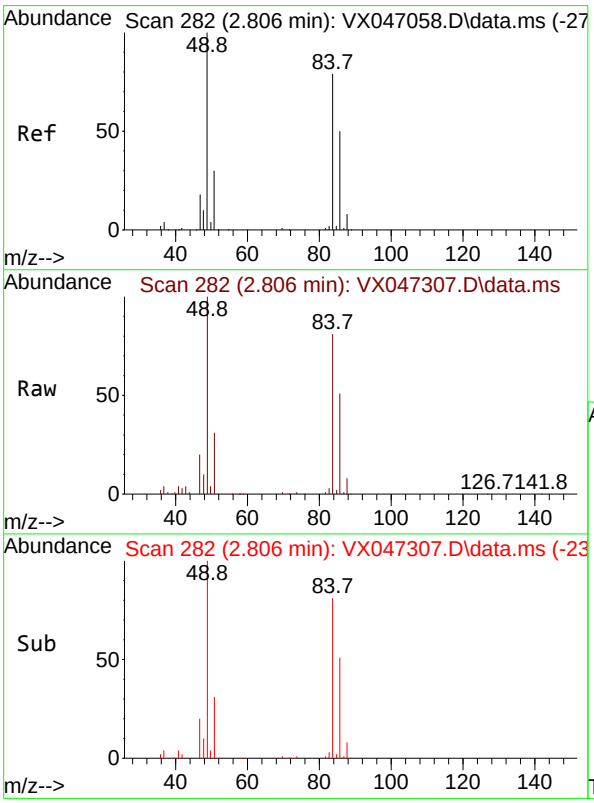
Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

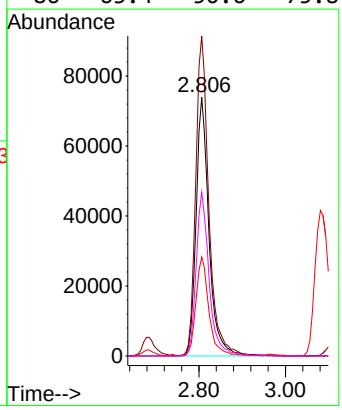
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

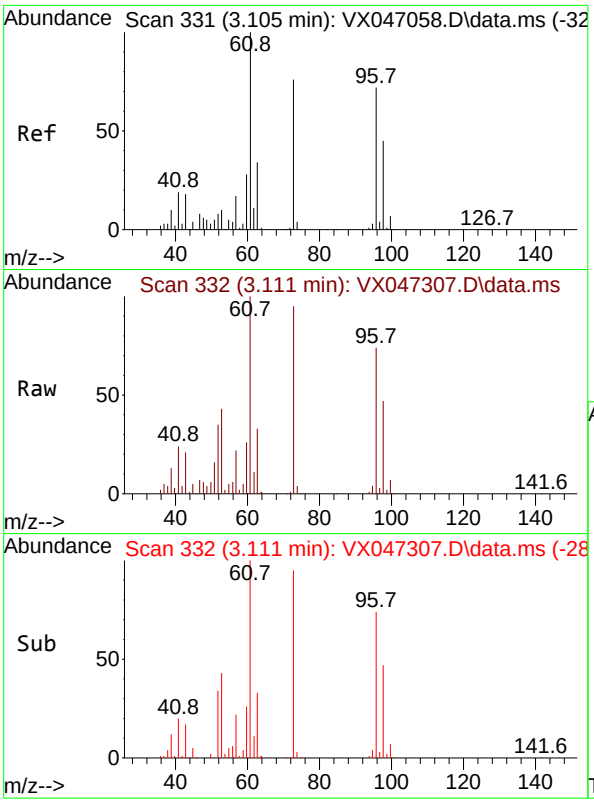


#20
Methylene Chloride
Concen: 51.514 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 84 Resp: 152756

Ion	Ratio	Lower	Upper
84	100		
49	123.6	101.6	152.4
51	38.1	30.3	45.5
86	63.4	50.6	75.8

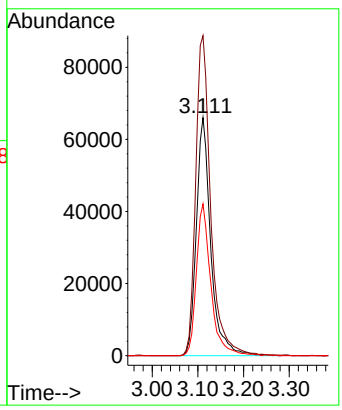




#21
trans-1,2-Dichloroethene
Concen: 52.222 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 96 Resp: 14505

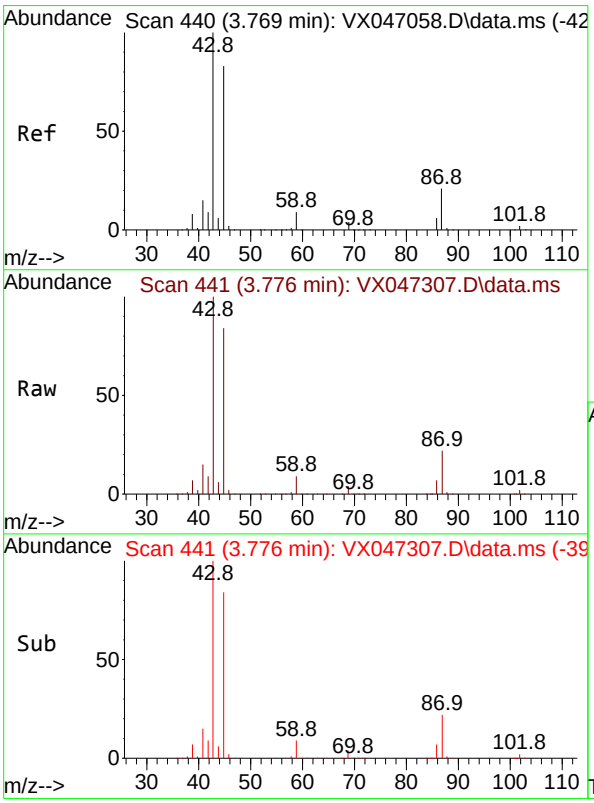
Ion	Ratio	Lower	Upper
96	100		
61	134.4	111.1	166.7
98	63.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

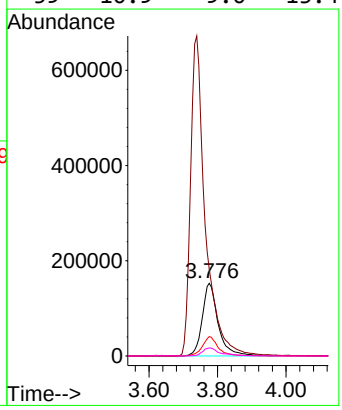
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

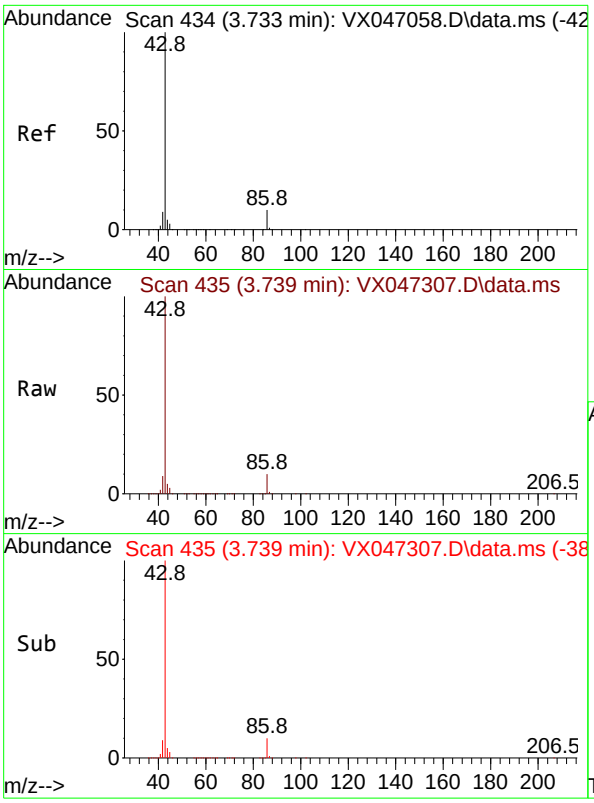


#22
Diisopropyl ether
Concen: 52.281 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 45 Resp: 493204

Ion	Ratio	Lower	Upper
45	100		
43	119.1	96.8	145.2
87	26.4	20.5	30.7
59	10.9	9.0	13.4

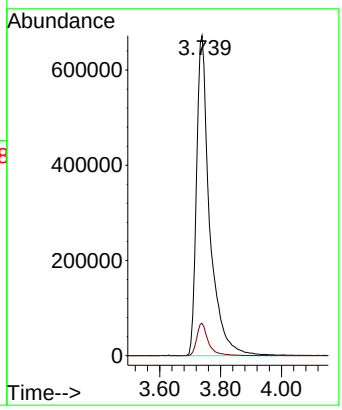




#23
Vinyl Acetate
Concen: 267.002 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 43 Resp: 202026

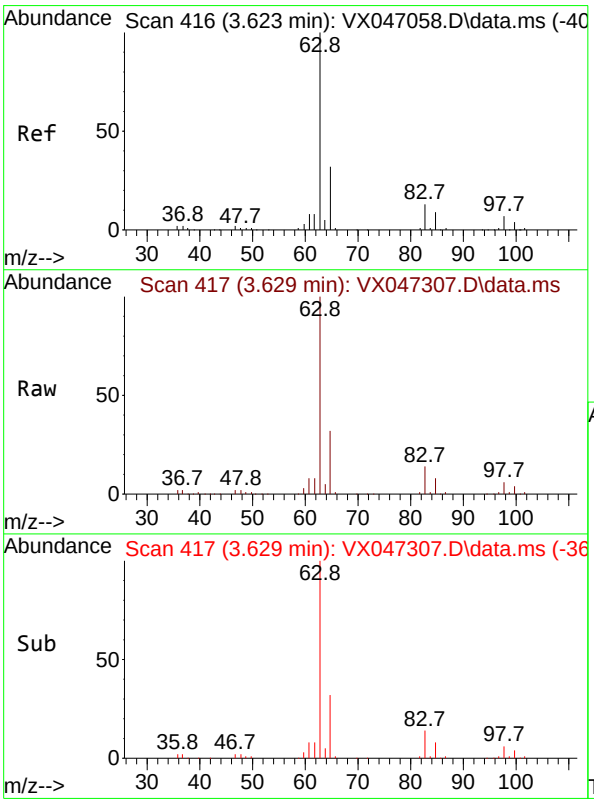
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

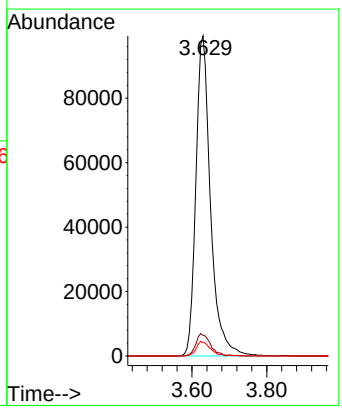
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

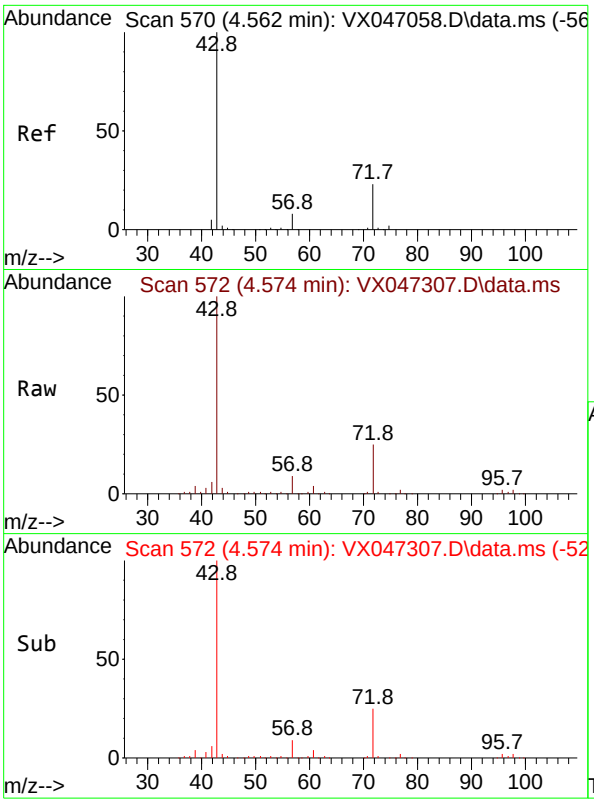


#24
1,1-Dichloroethane
Concen: 51.439 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 63 Resp: 269844

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	4.1	2.3	6.8

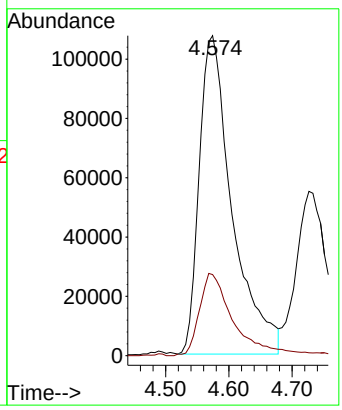




#25
2-Butanone
Concen: 247.769 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 43 Resp: 38886

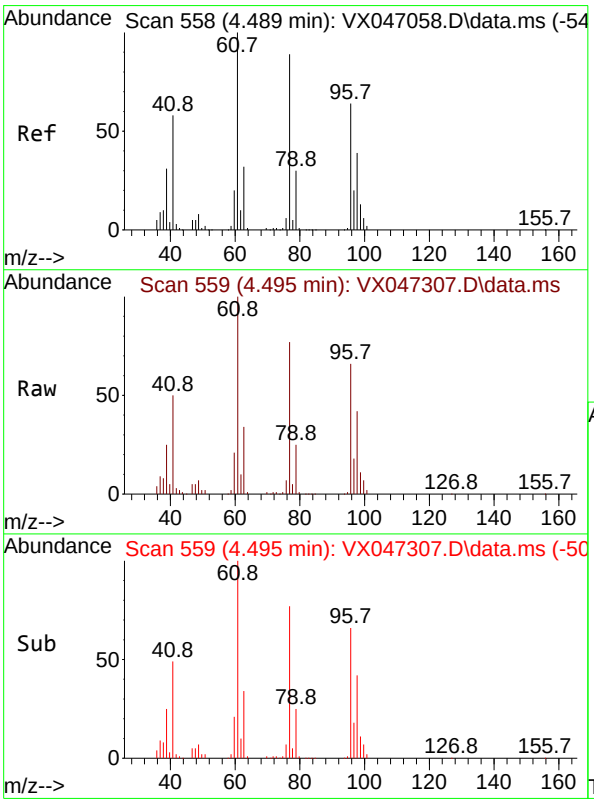
Ion	Ratio	Lower	Upper
43	100		
72	26.2	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

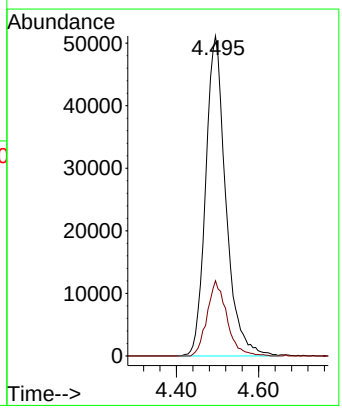
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

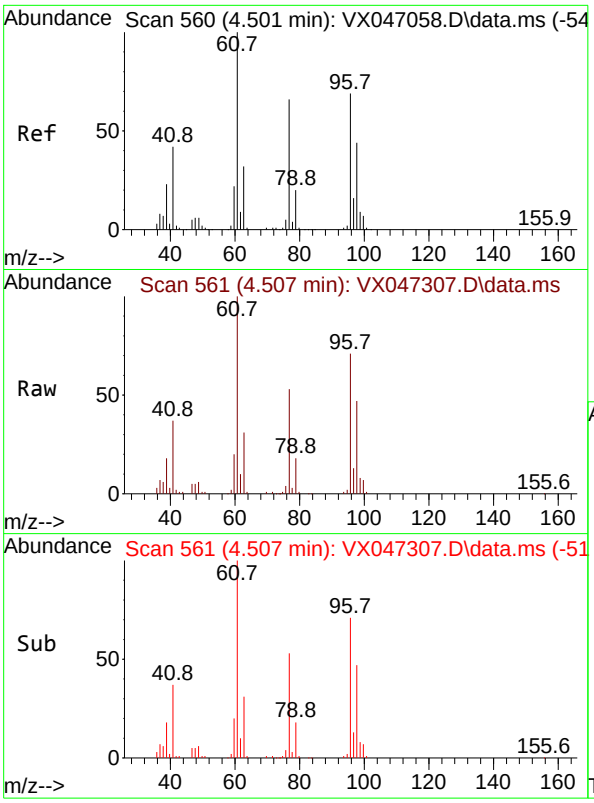


#26
2,2-Dichloropropane
Concen: 42.869 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 77 Resp: 174083

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.4	34.1

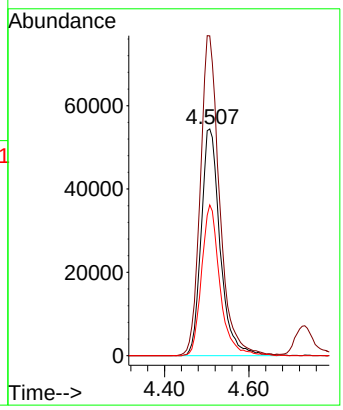




#27
cis-1,2-Dichloroethene
Concen: 51.739 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 96 Resp: 17018

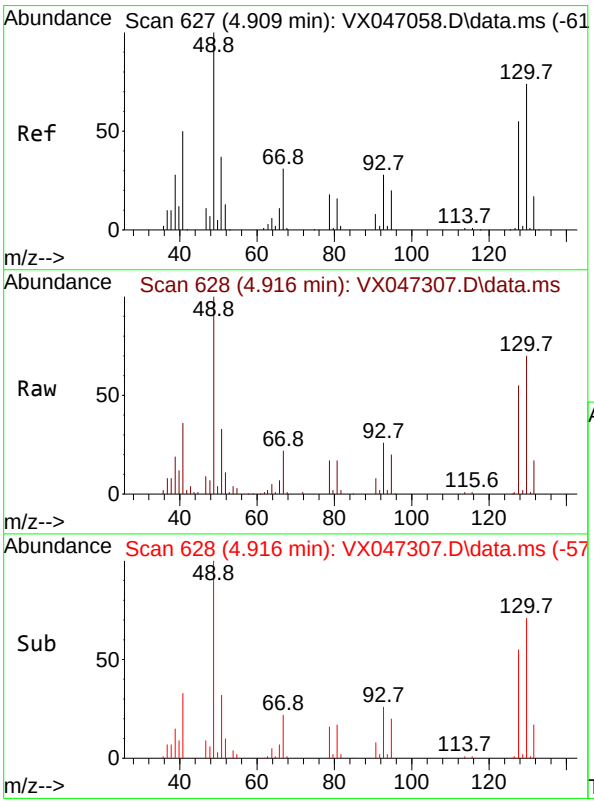
Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	298.6
98	63.9	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

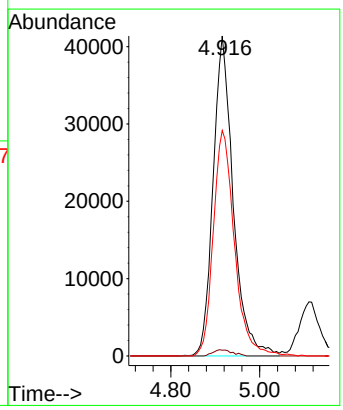
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

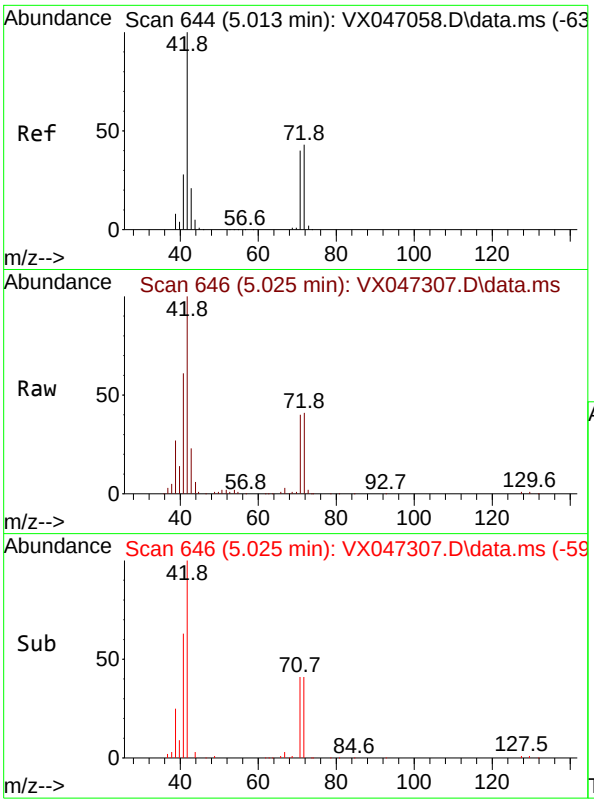


#28
Bromochloromethane
Concen: 53.858 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 49 Resp: 129983

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.8	59.0	88.4

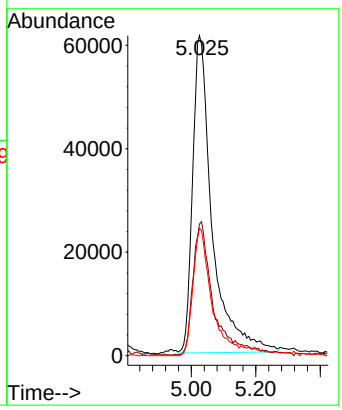




#29
Tetrahydrofuran
Concen: 255.772 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 42 Resp: 25900

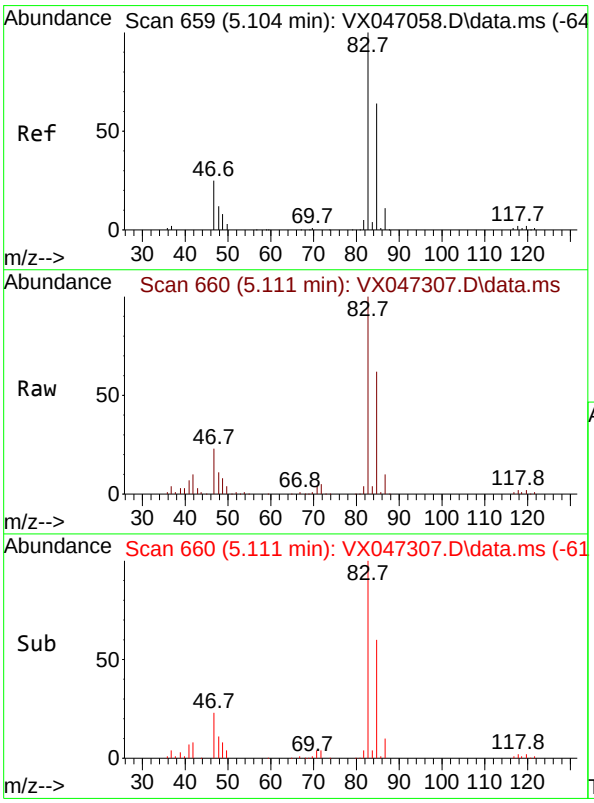
Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.7	50.5
71	39.1	31.0	46.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

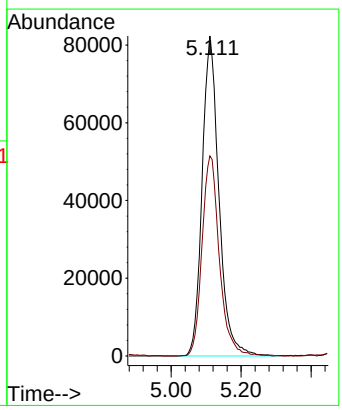
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

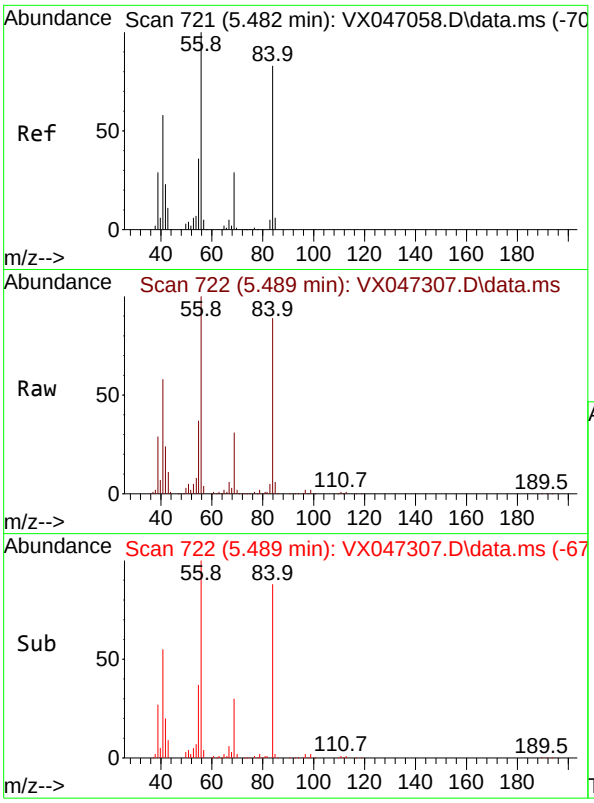


#30
Chloroform
Concen: 51.222 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 83 Resp: 273523

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.9	76.3

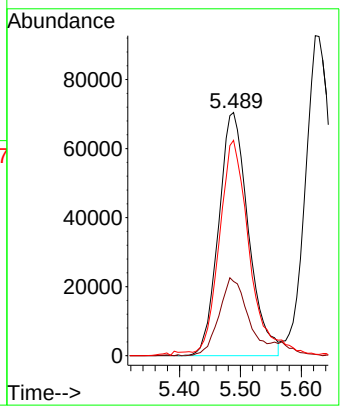




#31
Cyclohexane
Concen: 47.631 ug/l
RT: 5.489 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 56 Resp: 23957

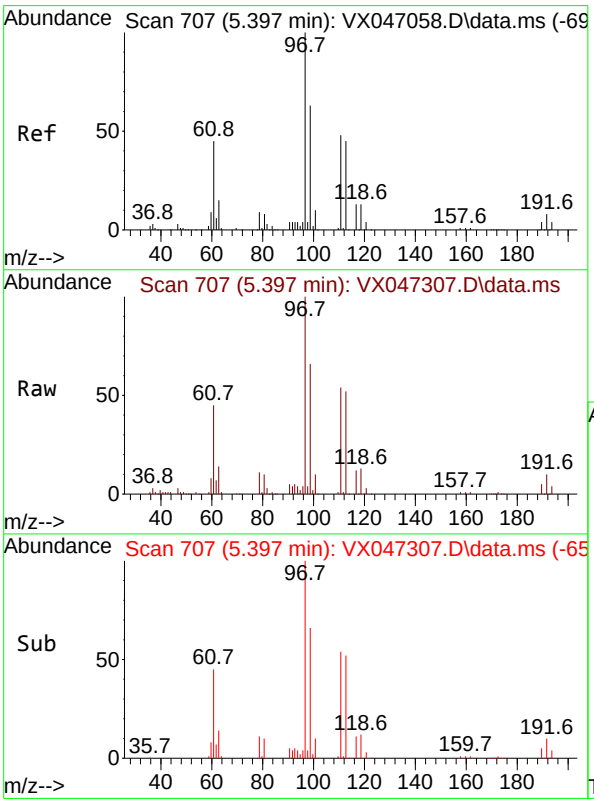
Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.3	34.9
84	87.2	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

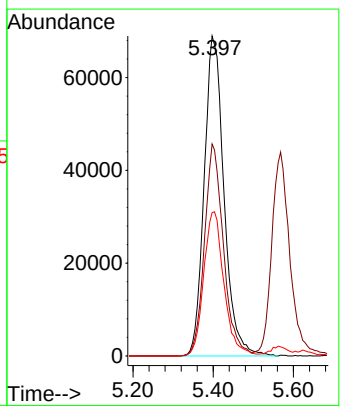
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

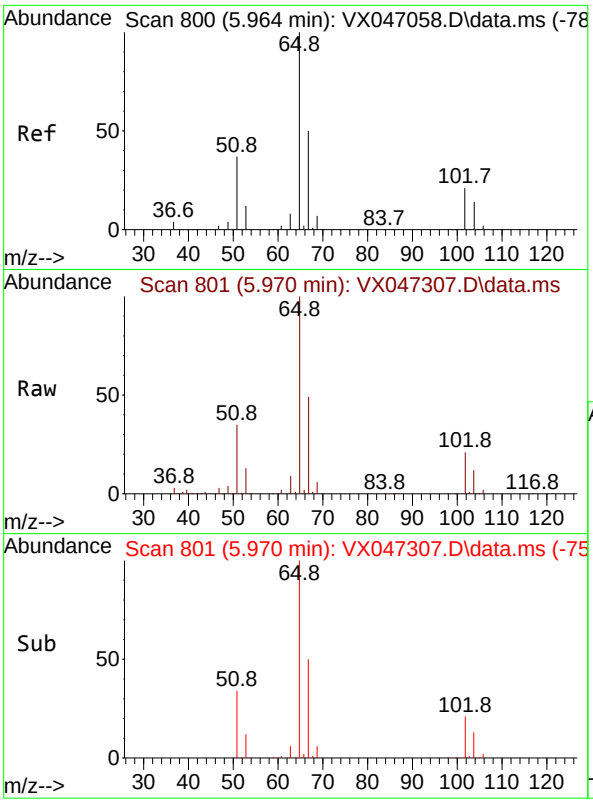


#32
1,1,1-Trichloroethane
Concen: 51.073 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 97 Resp: 236883

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	46.0	37.1	55.7

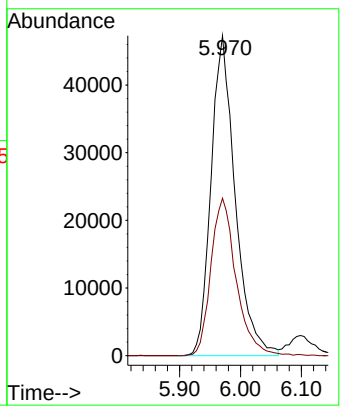




#33
1,2-Dichloroethane-d4
Concen: 48.424 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

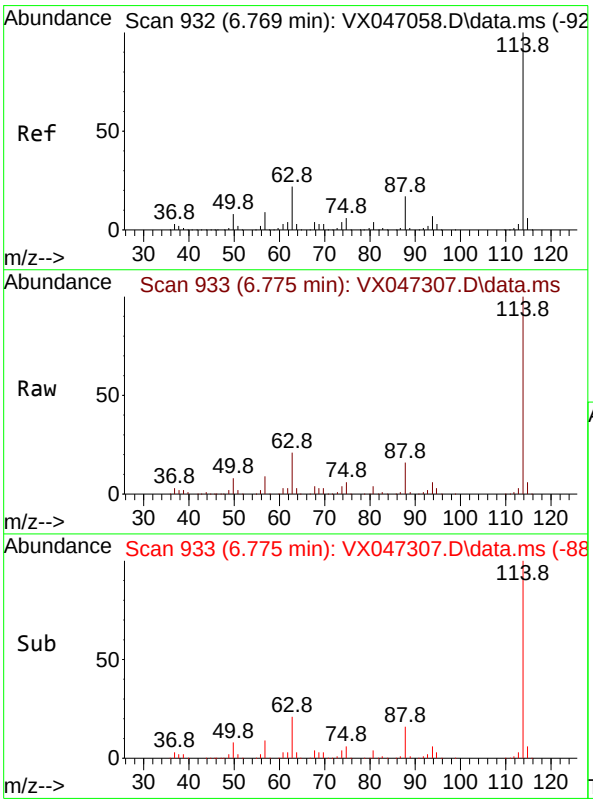
Tgt Ion: 65 Resp: 13029

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

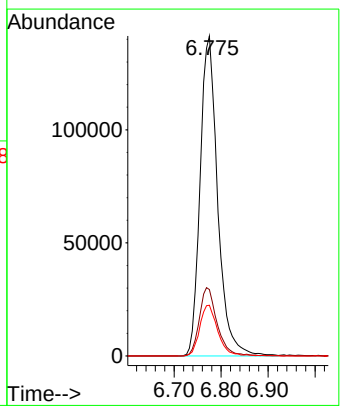
Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

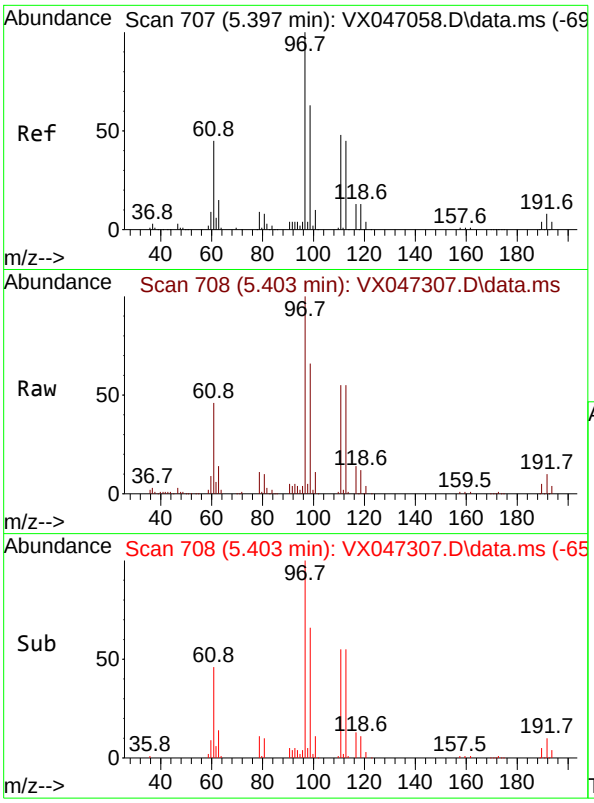


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:114 Resp: 368205

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	15.9	0.0	33.8

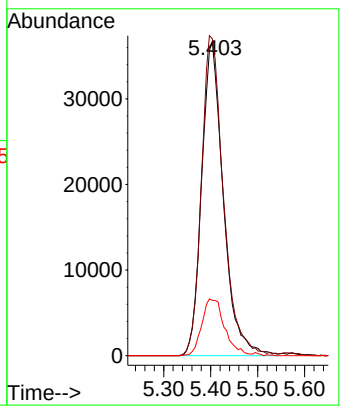




#35
Dibromofluoromethane
Concen: 51.707 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:113 Resp: 11755

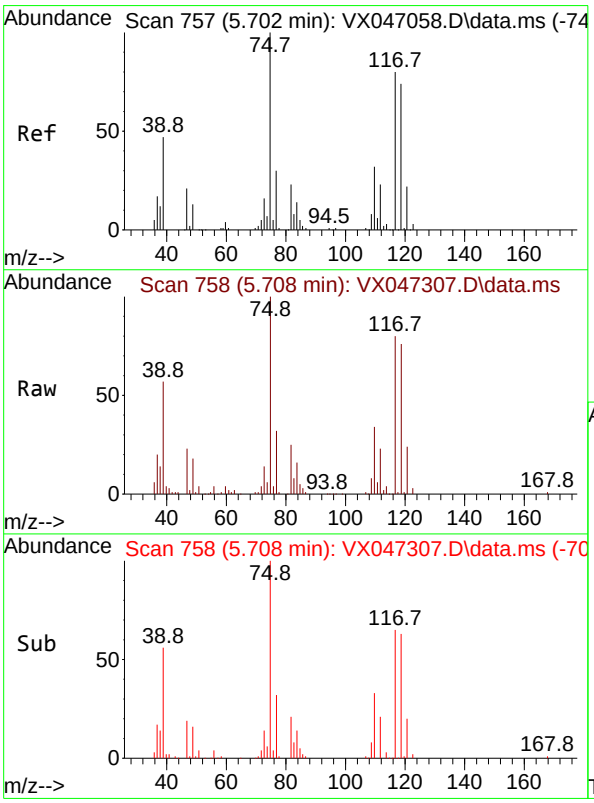
Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	124.0
192	19.0	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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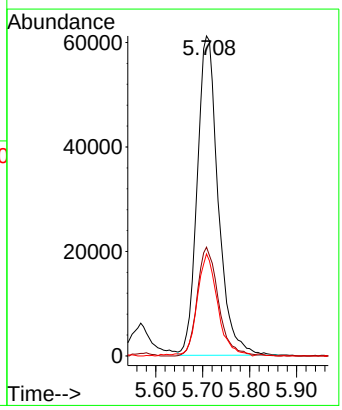
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

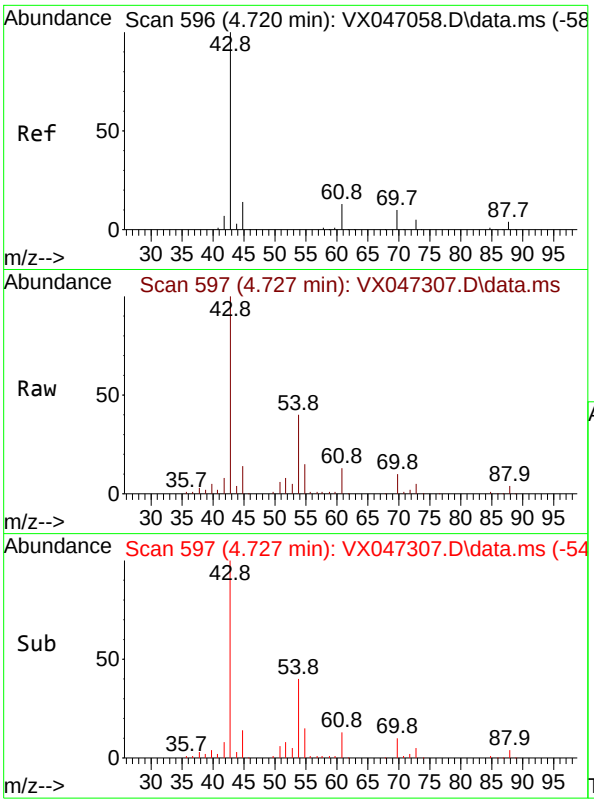


#36
1,1-Dichloropropene
Concen: 48.951 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 75 Resp: 189695

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.2	51.5
77	31.4	25.1	37.7

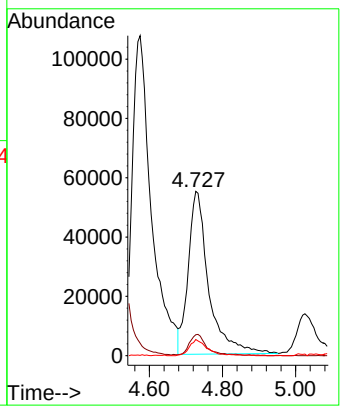




#37
Ethyl Acetate
Concen: 59.891 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 43 Resp: 21386

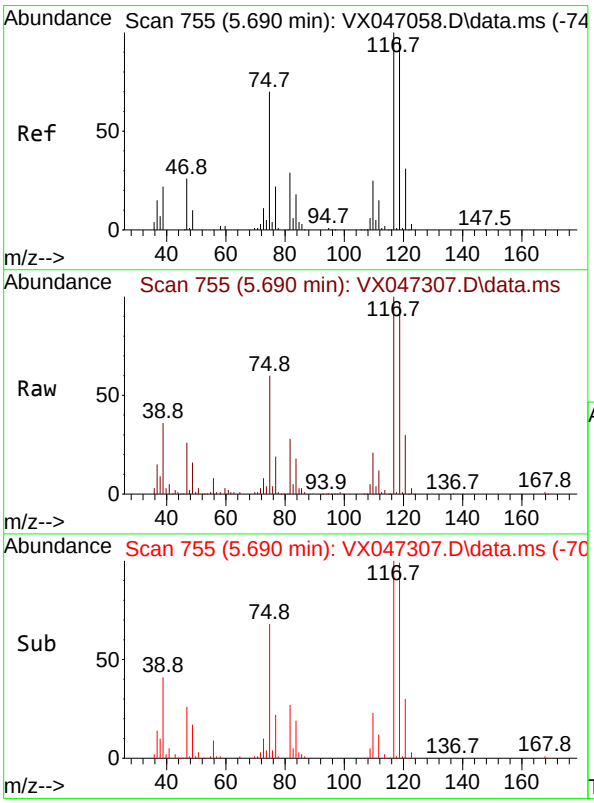
Ion	Ratio	Lower	Upper
43	100		
61	10.7	10.2	15.2
70	8.3	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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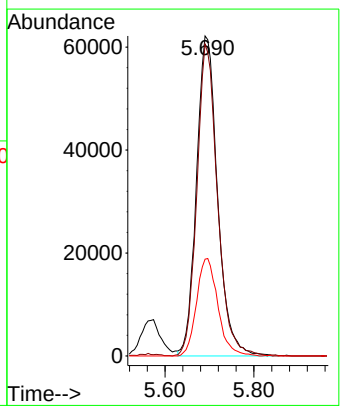
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

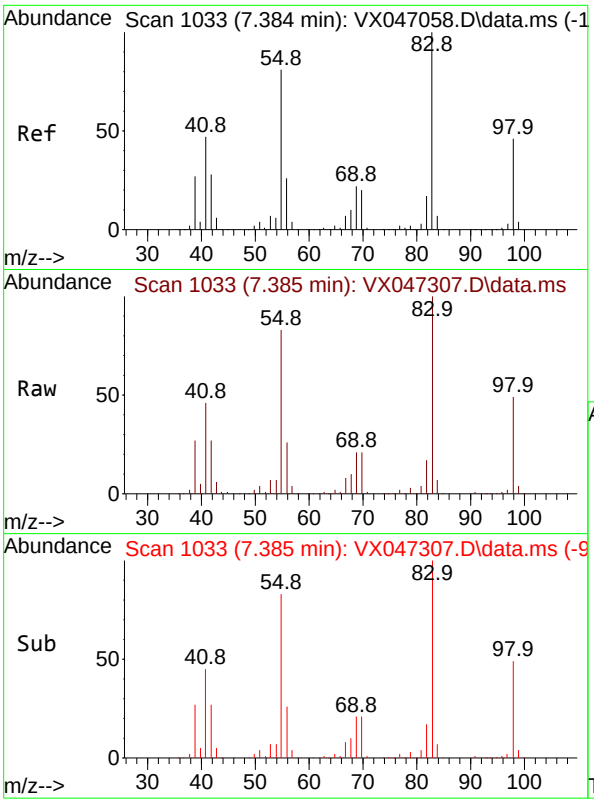


#38
Carbon Tetrachloride
Concen: 49.665 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:117 Resp: 205421

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.6	115.0
121	30.2	24.4	36.6

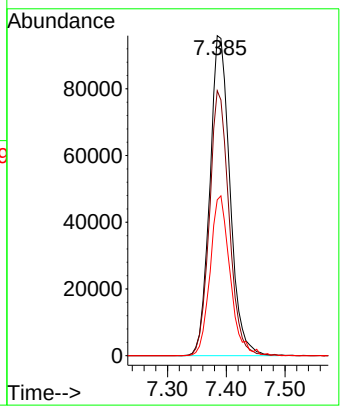




#39
Methylcyclohexane
Concen: 47.179 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 83 Resp: 22827

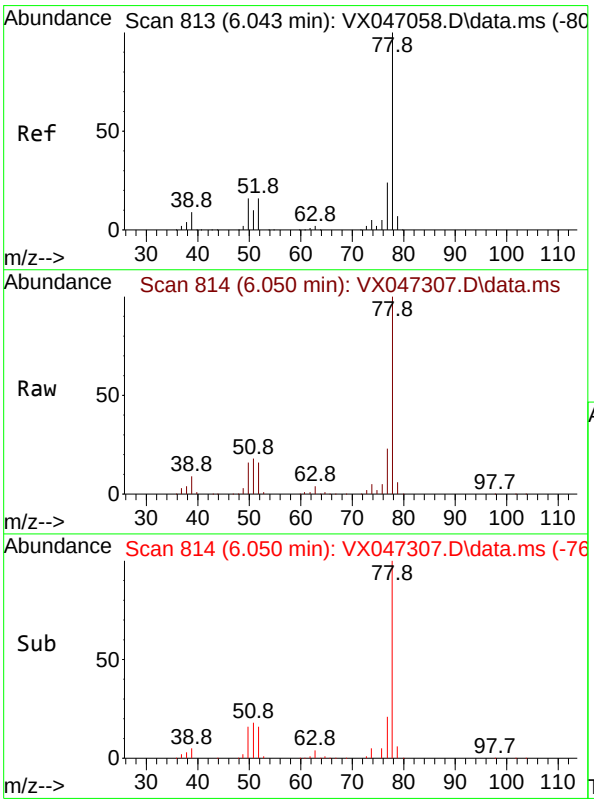
Ion	Ratio	Lower	Upper
83	100		
55	82.8	64.5	96.7
98	48.7	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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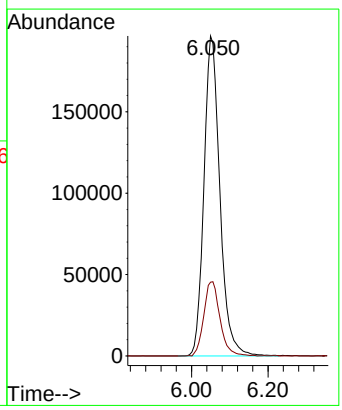
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

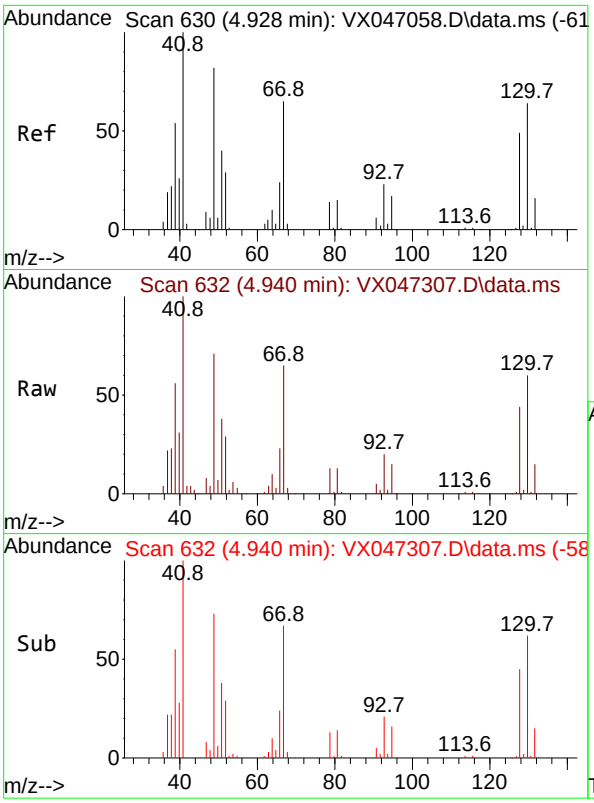


#40
Benzene
Concen: 50.647 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 78 Resp: 568008

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4

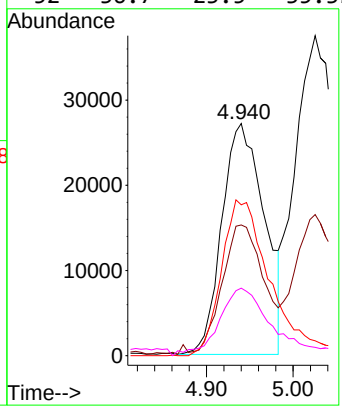




#41
Methacrylonitrile
Concen: 49.535 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 41 Resp: 9248

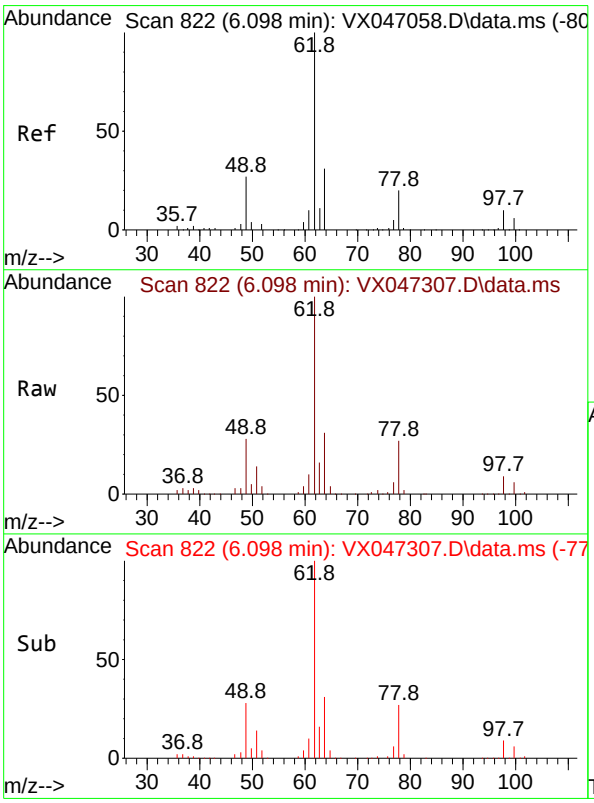
Ion	Ratio	Lower	Upper
41	100		
39	53.4	44.2	66.2
67	78.2	56.4	84.6
52	36.7	23.5	35.3#



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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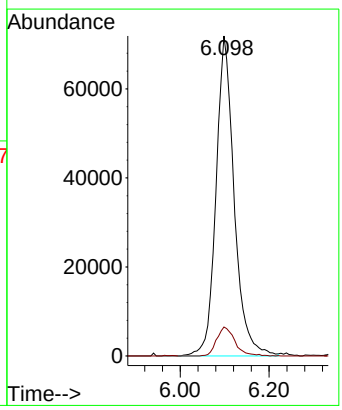
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

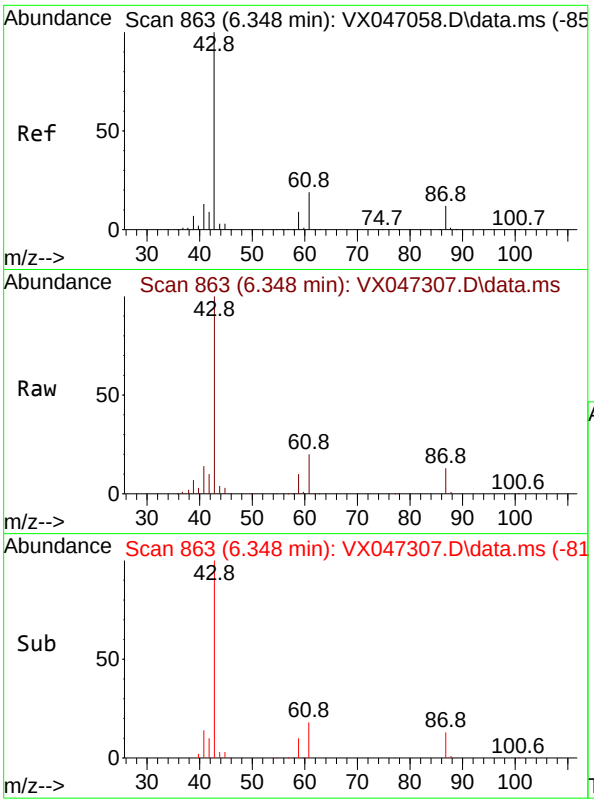


#42
1,2-Dichloroethane
Concen: 51.596 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 62 Resp: 203832

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8

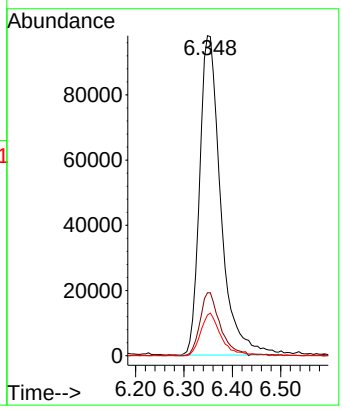




#43
Isopropyl Acetate
Concen: 53.445 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

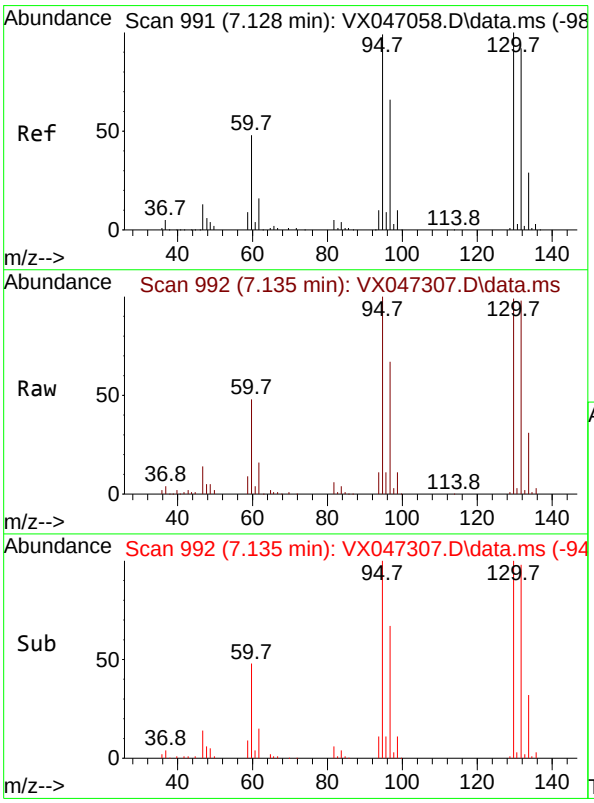
Tgt Ion: 43 Resp: 29752

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	12.6	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

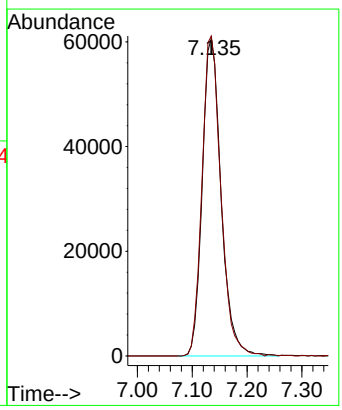
Manual Integrations
APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

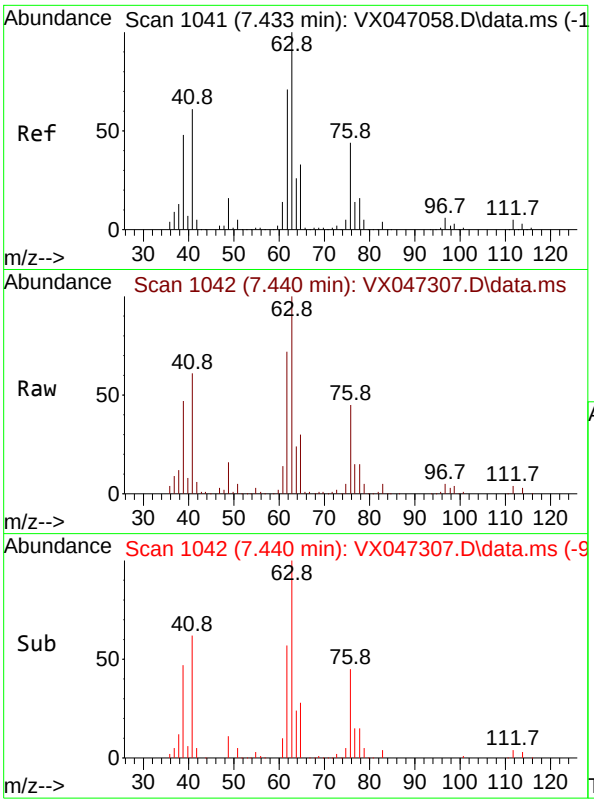


#44
Trichloroethene
Concen: 50.265 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:130 Resp: 144557

Ion	Ratio	Lower	Upper
130	100		
95	111.3	0.0	198.6

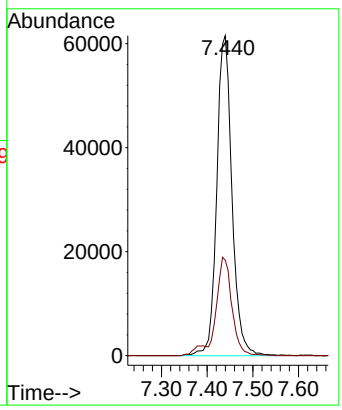




#45
1,2-Dichloropropane
Concen: 50.671 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 63 Resp: 14232

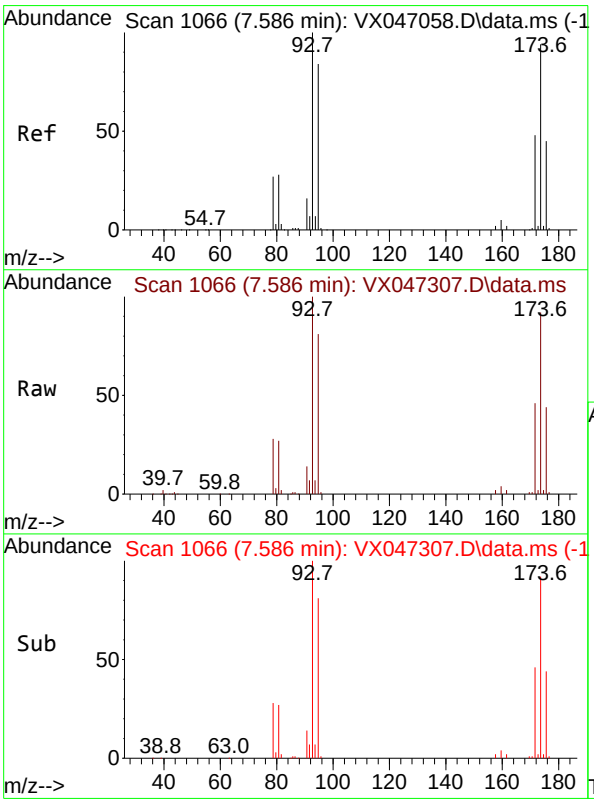
Ion	Ratio	Lower	Upper
63	100		
65	29.9	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

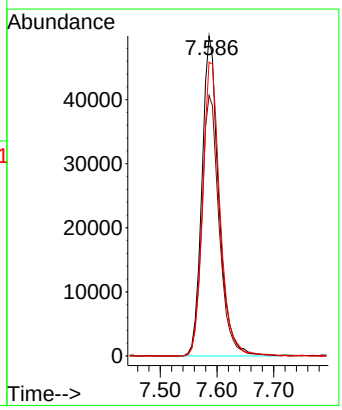
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

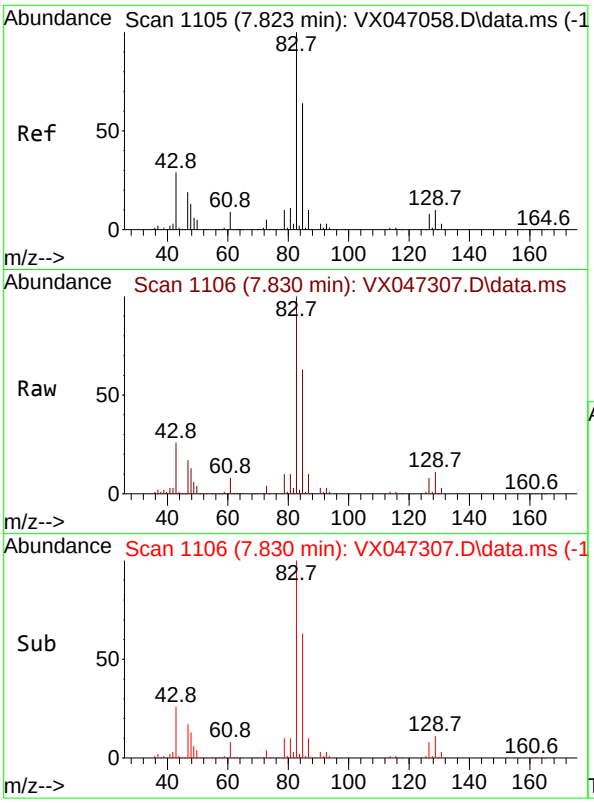


#46
Dibromomethane
Concen: 52.234 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 93 Resp: 102887

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.9	98.9
174	94.1	74.6	112.0

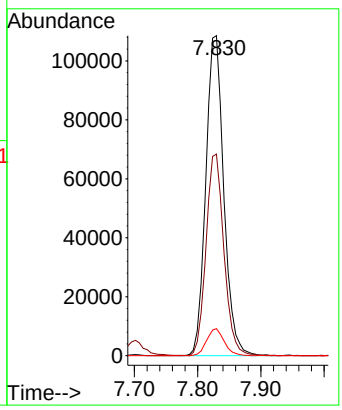




#47
Bromodichloromethane
Concen: 51.231 ug/l
RT: 7.830 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 83 Resp: 21479

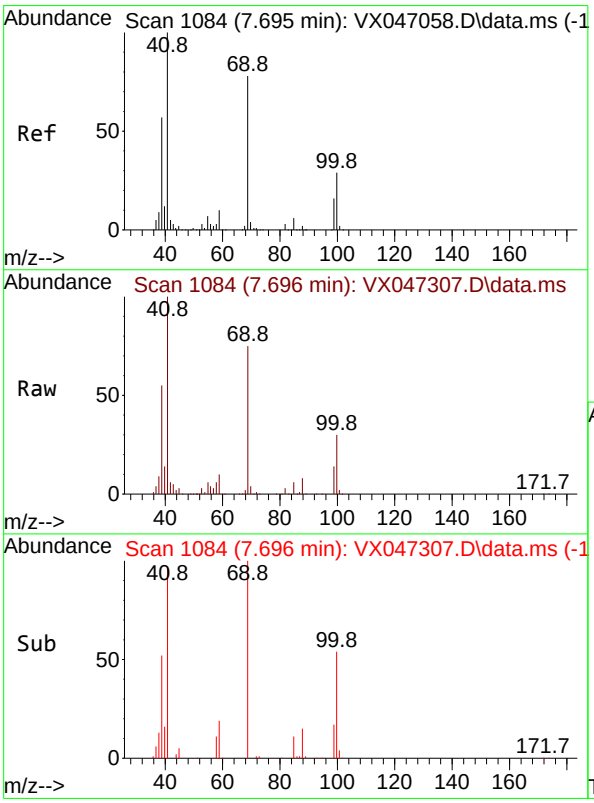
Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.9	74.9
127	8.5	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

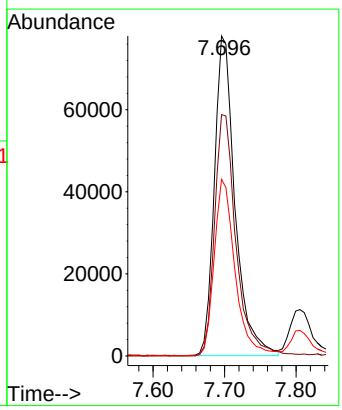
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

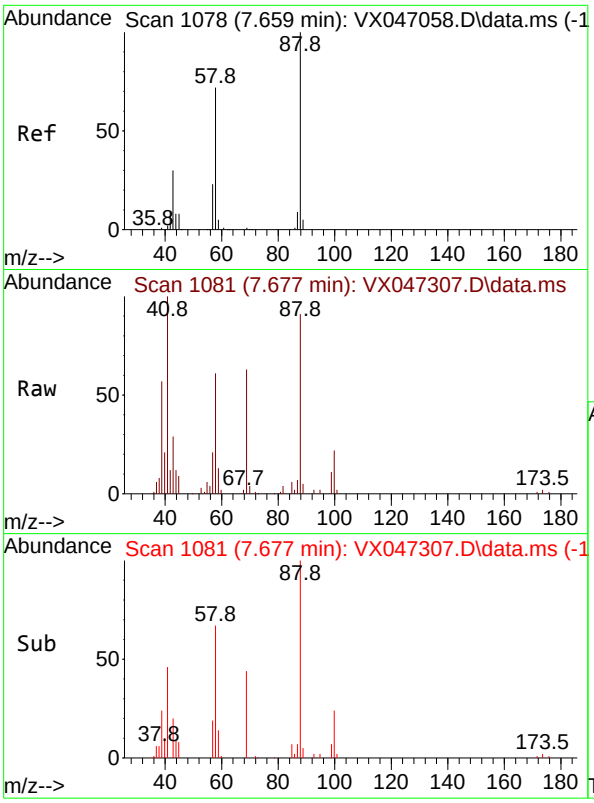


#48
Methyl methacrylate
Concen: 51.748 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 41 Resp: 156932

Ion	Ratio	Lower	Upper
41	100		
69	78.6	62.3	93.5
39	55.5	44.8	67.2





#49
1,4-Dioxane
Concen: 855.697 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

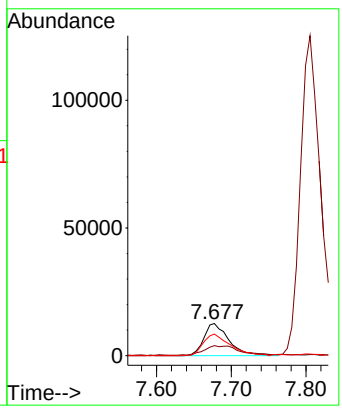
Tgt Ion: 88 Resp: 2951

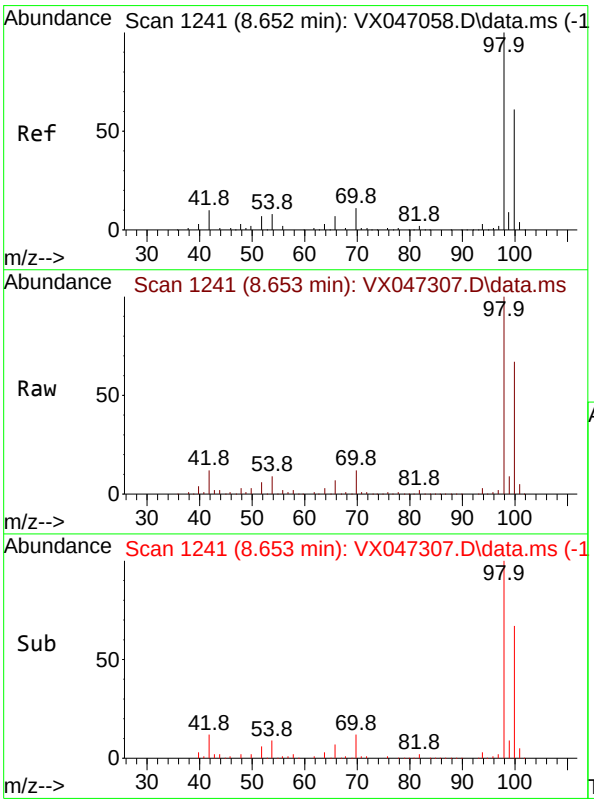
Ion	Ratio	Lower	Upper
88	100		
43	39.9	33.6	50.4
58	72.1	58.8	88.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

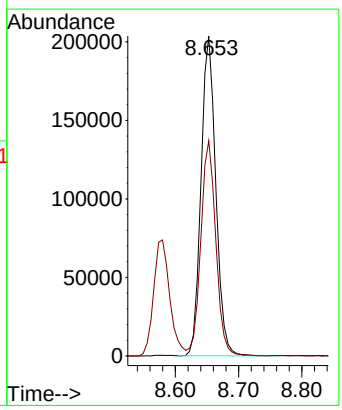


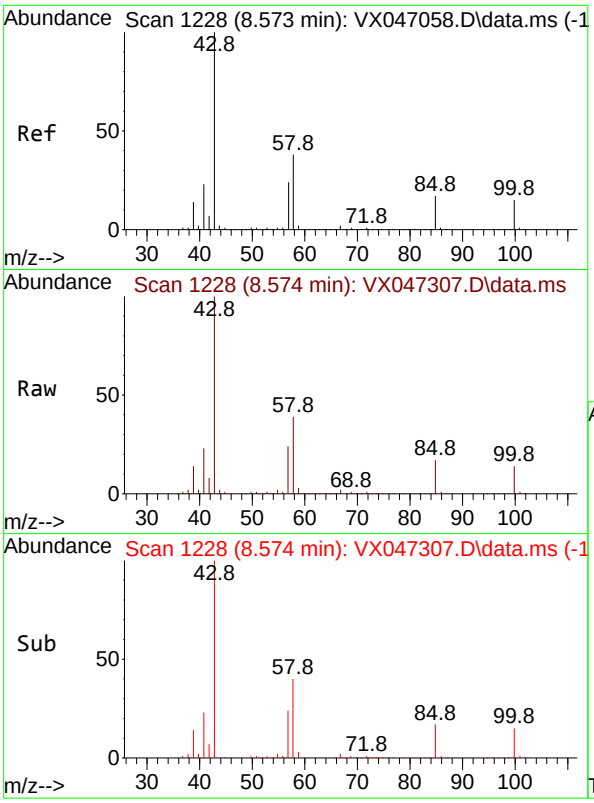


#50
Toluene-d8
Concen: 44.862 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 98 Resp: 330293

Ion	Ratio	Lower	Upper
98	100		
100	68.5	53.3	79.9

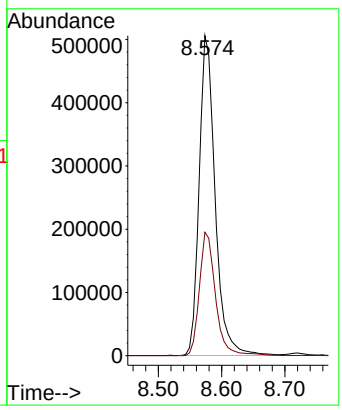




#51
4-Methyl-2-Pentanone
Concen: 269.360 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 43 Resp: 89127

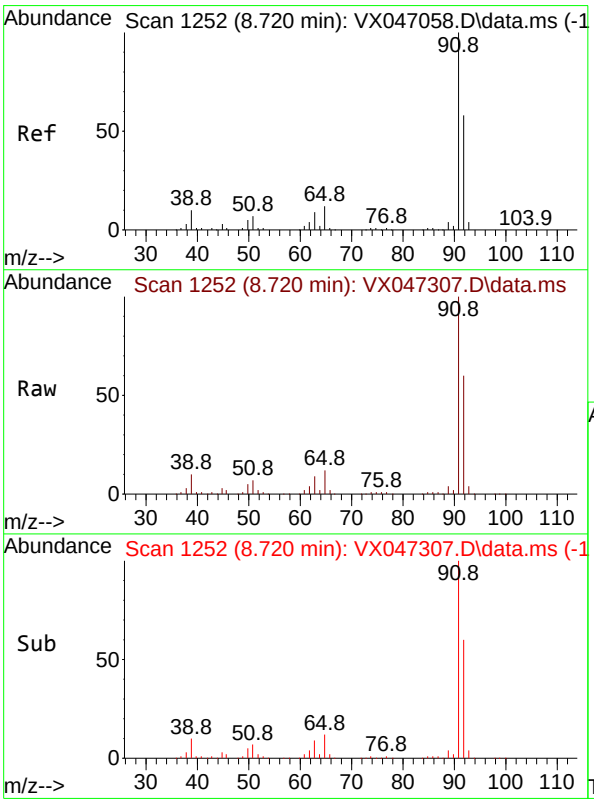
Ion	Ratio	Lower	Upper
43	100		
58	39.0	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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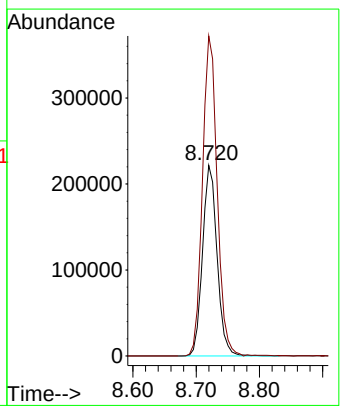
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

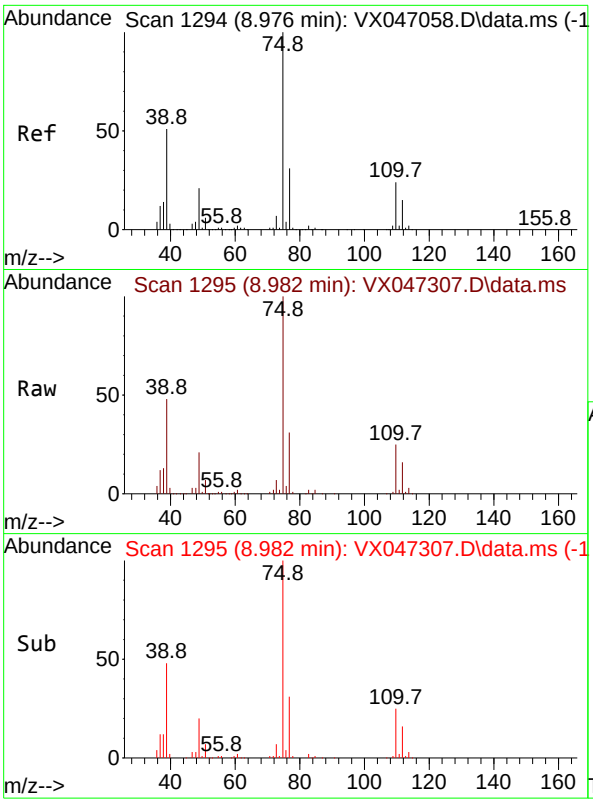


#52
Toluene
Concen: 51.450 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 92 Resp: 354794

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.9	206.9

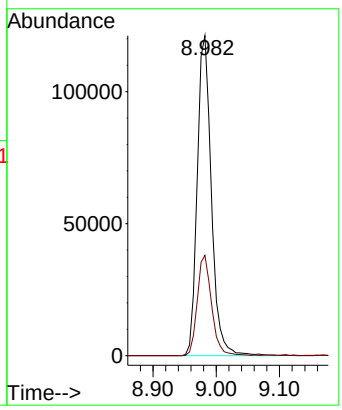




#53
t-1,3-Dichloropropene
Concen: 47.746 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 75 Resp: 18903

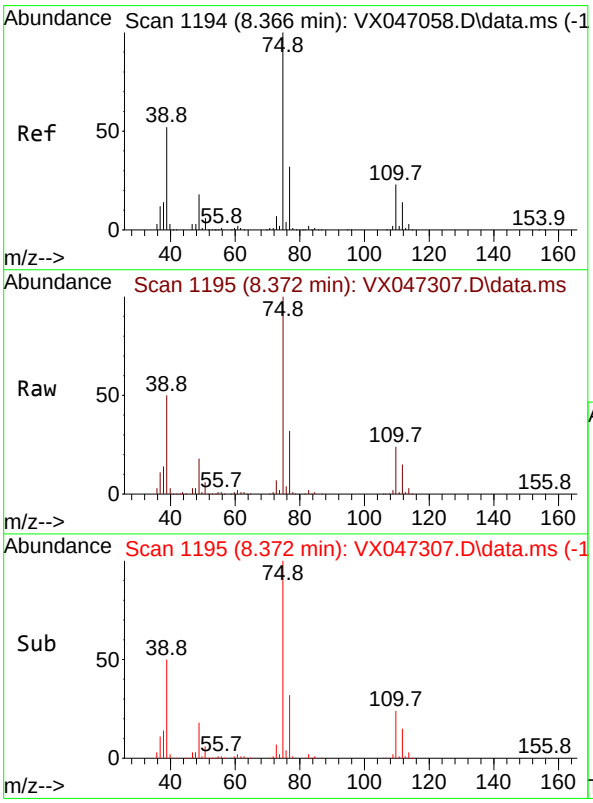
Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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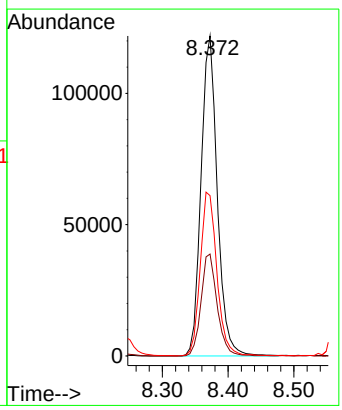
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

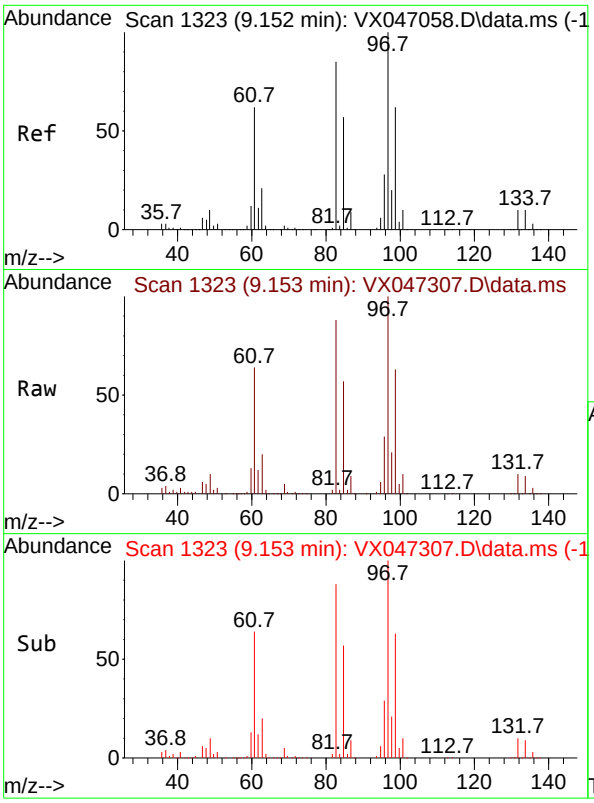


#54
cis-1,3-Dichloropropene
Concen: 48.387 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 75 Resp: 209668

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	50.0	41.8	62.6

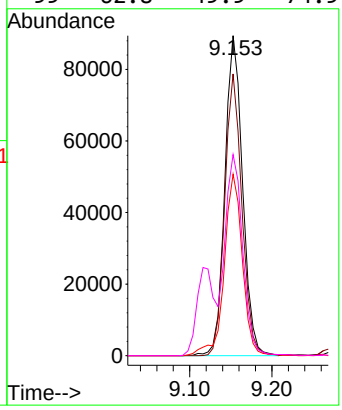




#55
1,1,2-Trichloroethane
Concen: 51.723 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

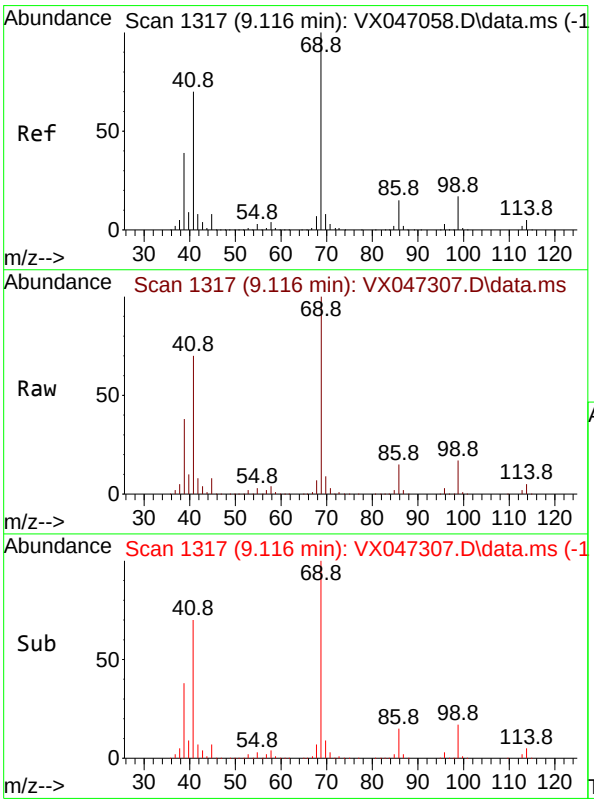
Tgt Ion: 97 Resp: 13376

Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.0	102.0
85	56.7	45.2	67.8
99	62.8	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

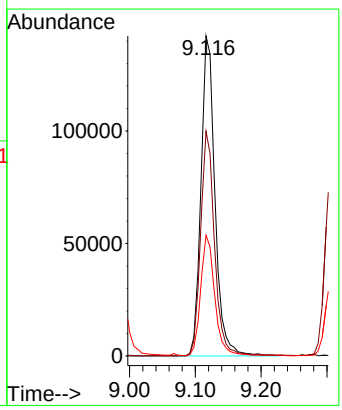
Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

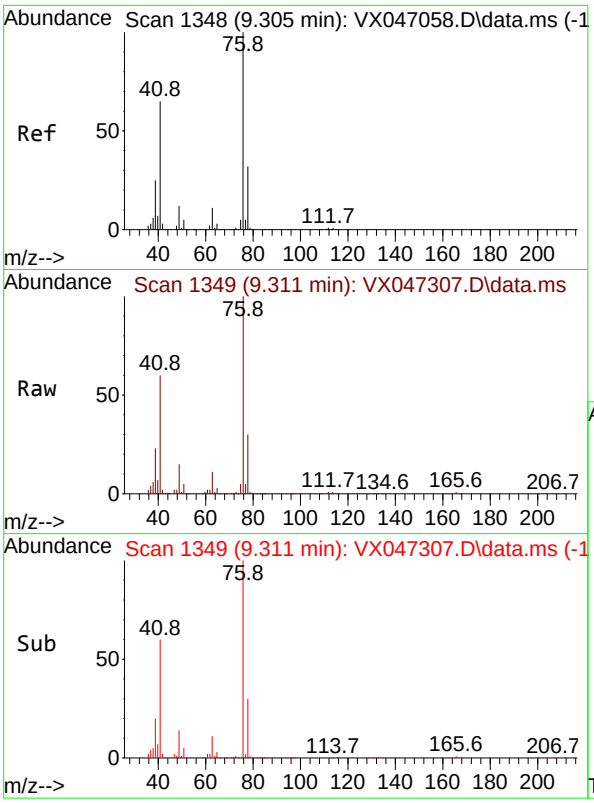


#56
Ethyl methacrylate
Concen: 55.161 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 69 Resp: 211187

Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.1	84.1
39	38.0	31.1	46.7

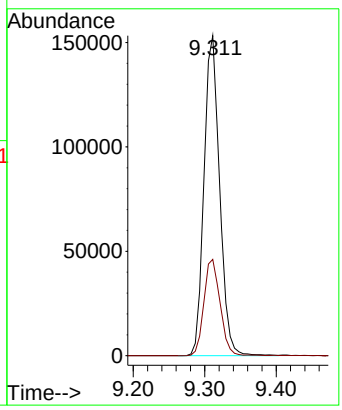




#57
1,3-Dichloropropane
Concen: 51.678 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 76 Resp: 23227

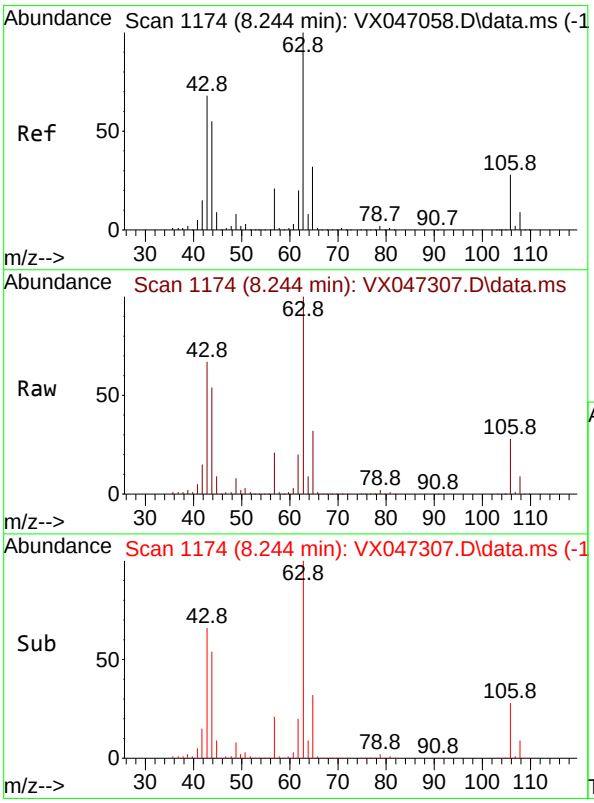
Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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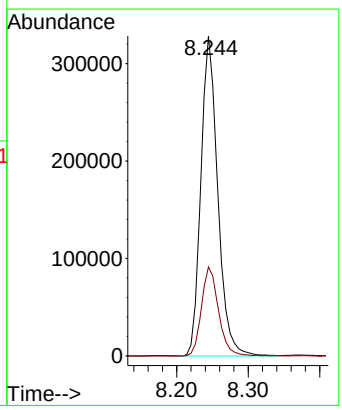
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

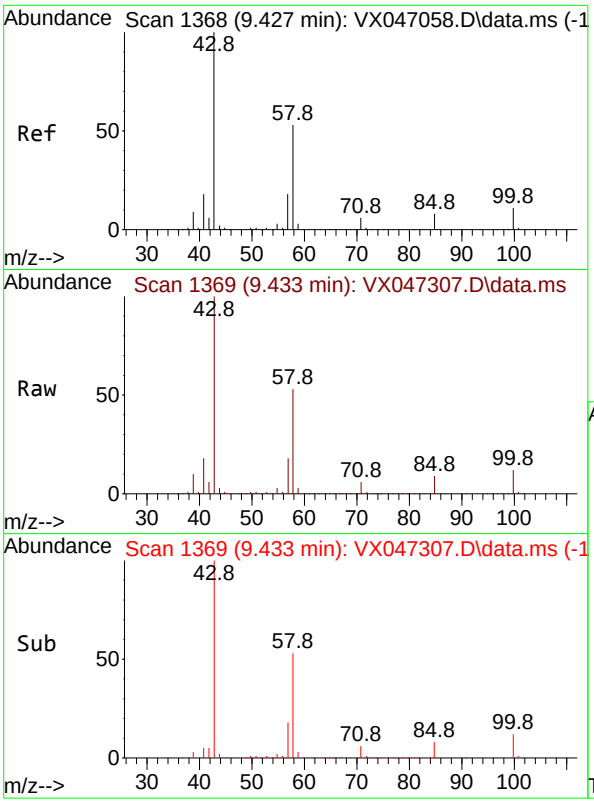


#58
2-Chloroethyl Vinyl ether
Concen: 252.526 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 63 Resp: 537996

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.2	33.4

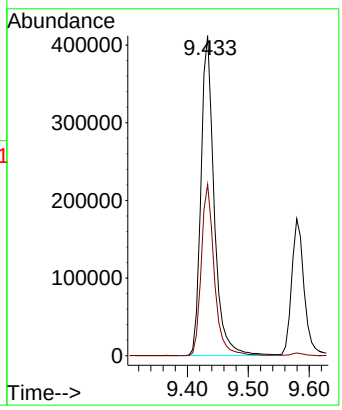




#59
2-Hexanone
Concen: 283.920 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 43 Resp: 62068

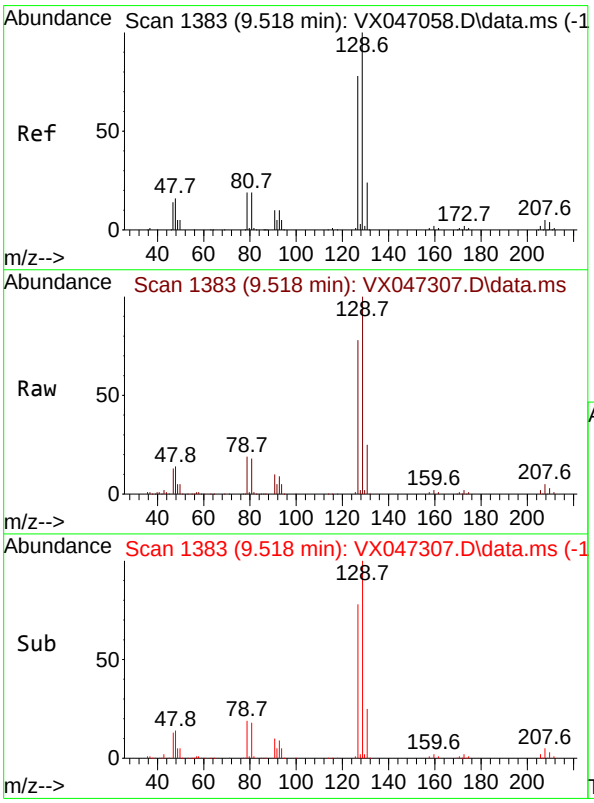
Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.5	79.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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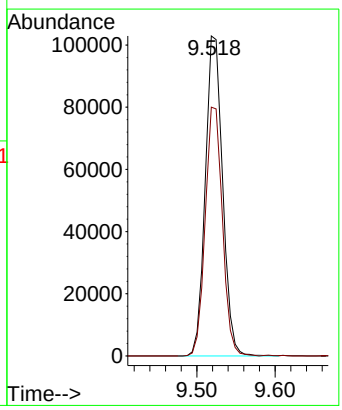
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

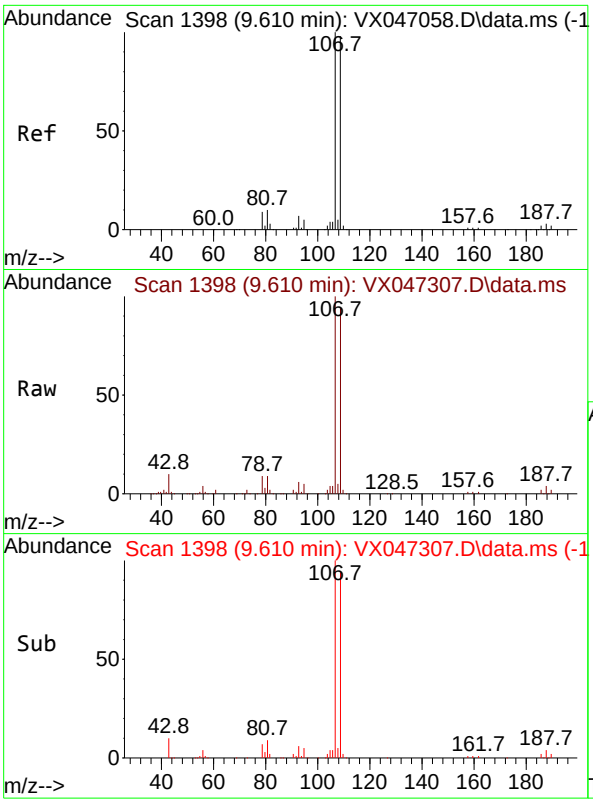


#60
Dibromochloromethane
Concen: 51.976 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:129 Resp: 157647

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8





#61
1,2-Dibromoethane
Concen: 50.891 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

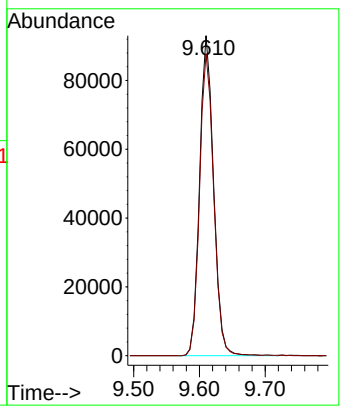
Tgt Ion:107 Resp: 13761

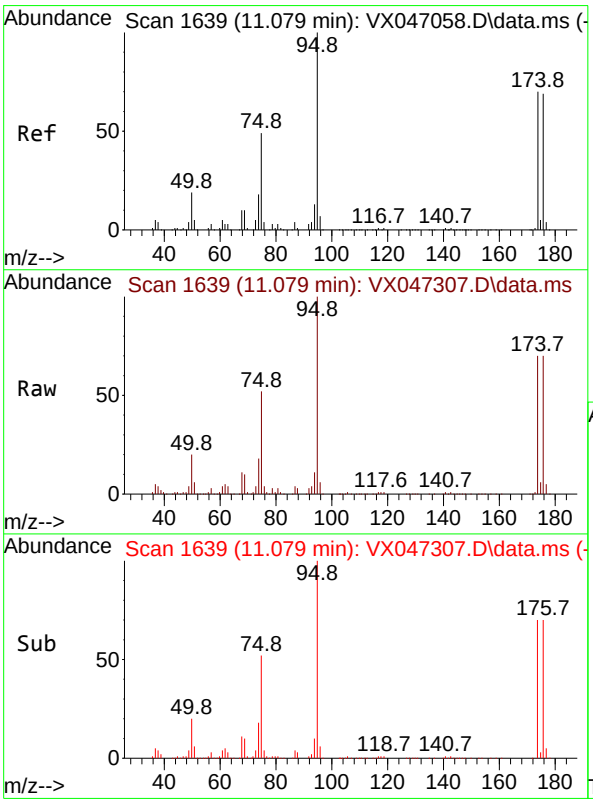
Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.6	112.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

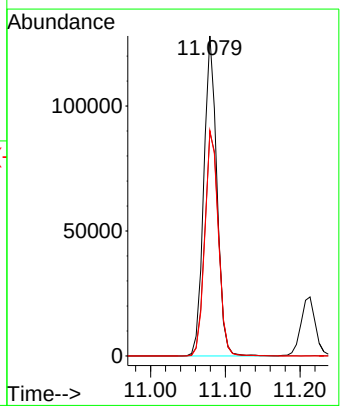


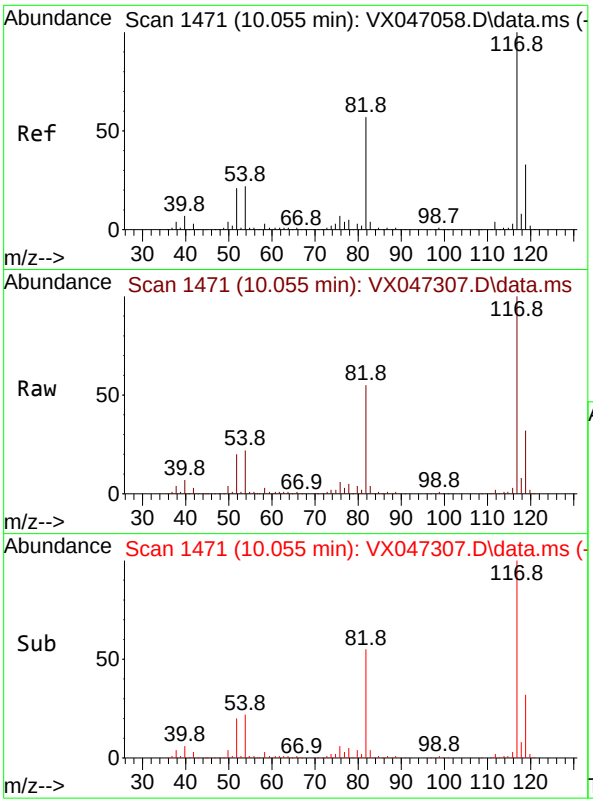


#62
4-Bromofluorobenzene
Concen: 49.091 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 95 Resp: 155757

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	144.6
176	72.5	0.0	139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

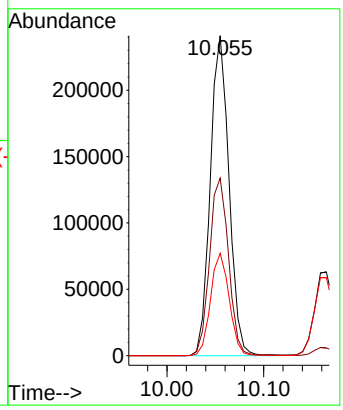
Tgt Ion:117 Resp: 32372

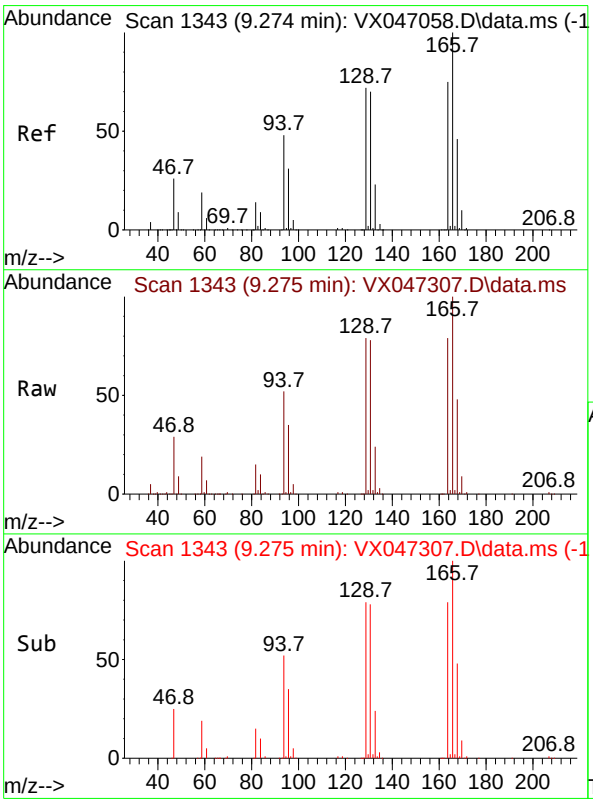
Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.4	68.2
119	32.0	26.1	39.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

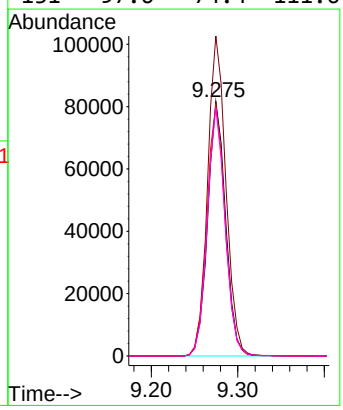


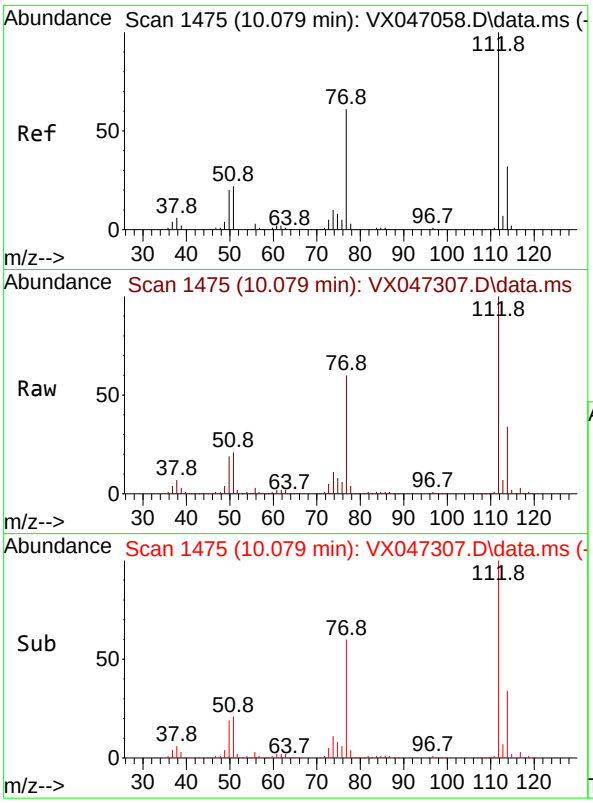


#64
Tetrachloroethene
Concen: 50.267 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:164 Resp: 117308

Ion	Ratio	Lower	Upper
164	100		
166	125.8	106.2	159.4
129	98.8	76.6	114.8
131	97.6	74.4	111.6

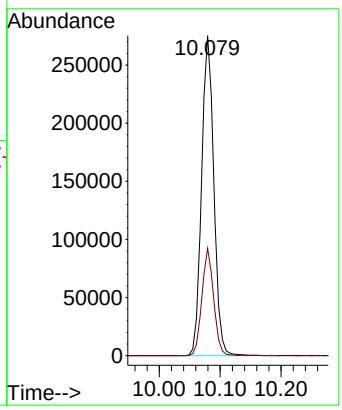




#65
Chlorobenzene
Concen: 50.704 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:112 Resp: 38453

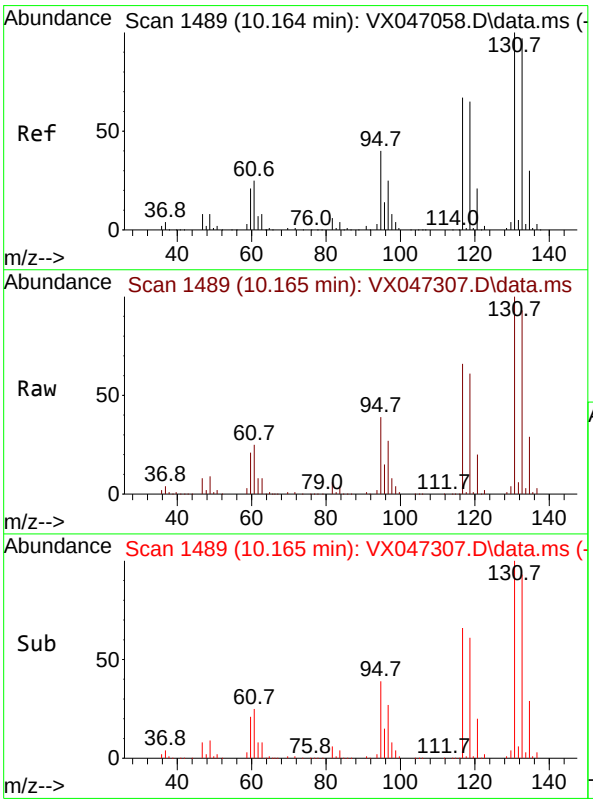
Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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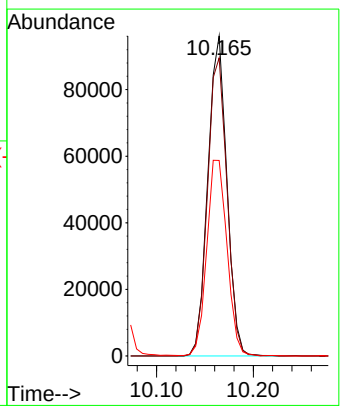
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

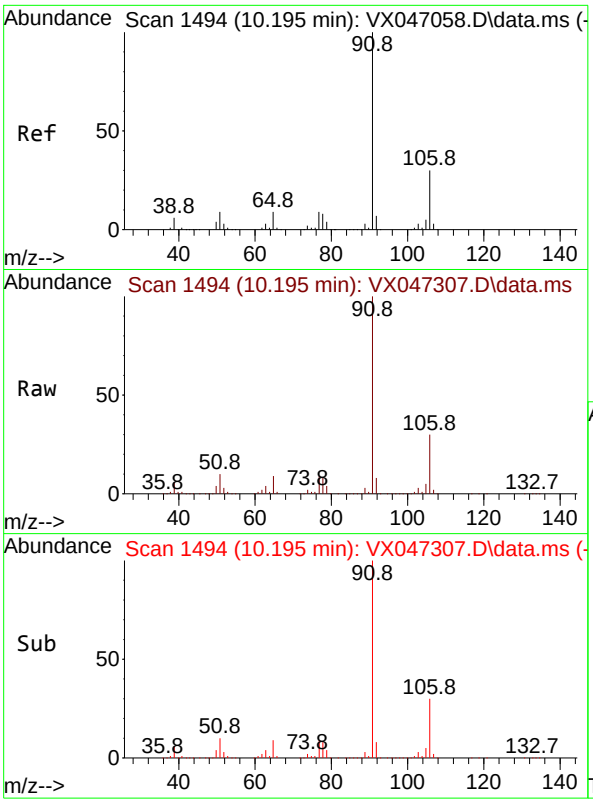


#66
1,1,1,2-Tetrachloroethane
Concen: 51.426 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:131 Resp: 131306

Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.4	145.3
119	65.0	32.4	97.0





#67
Ethyl Benzene
Concen: 51.369 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

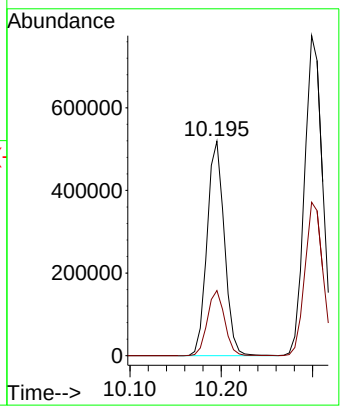
Tgt Ion: 91 Resp: 68115

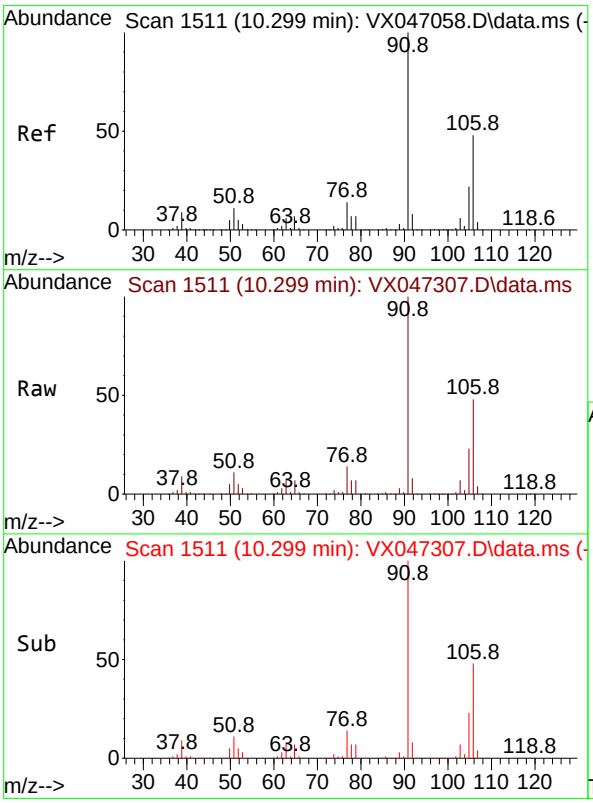
Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

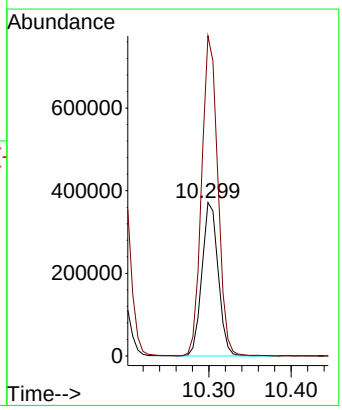


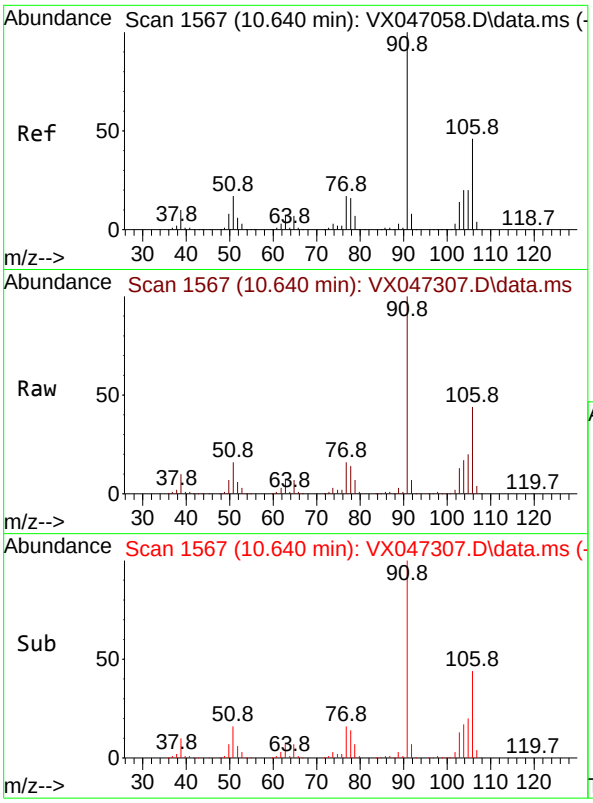


#68
m/p-Xylenes
Concen: 102.933 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:106 Resp: 510770

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.4	251.0

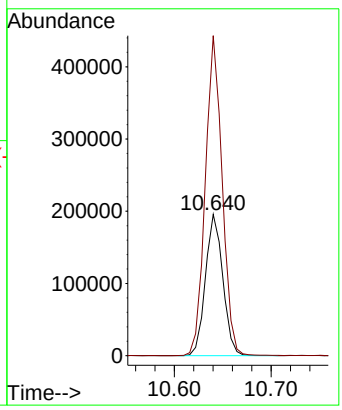




#69
o-Xylene
Concen: 51.832 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:106 Resp: 24468

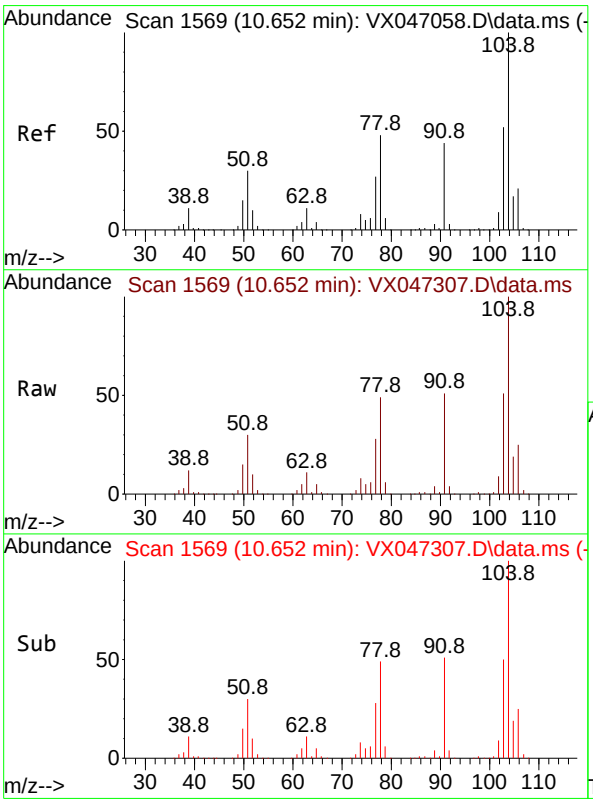
Ion	Ratio	Lower	Upper
106	100		
91	220.5	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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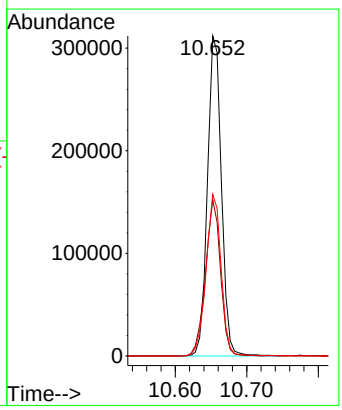
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

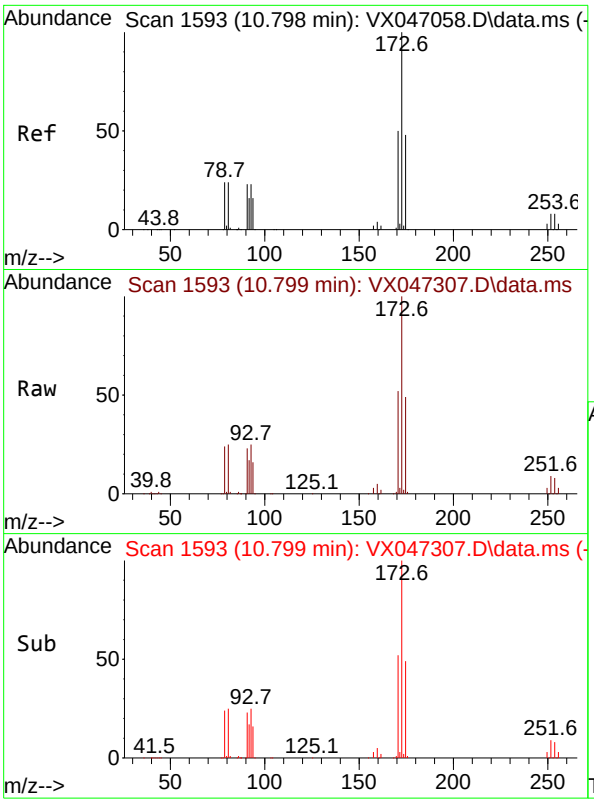


#70
Styrene
Concen: 52.257 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:104 Resp: 423003

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.0	63.0
103	54.5	43.8	65.6

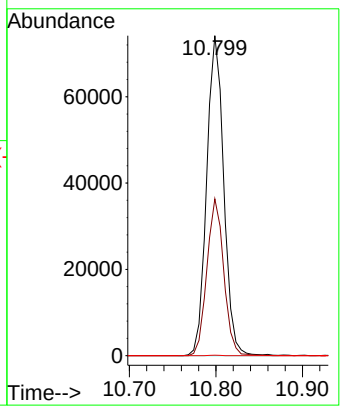




#71
Bromoform
Concen: 52.383 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

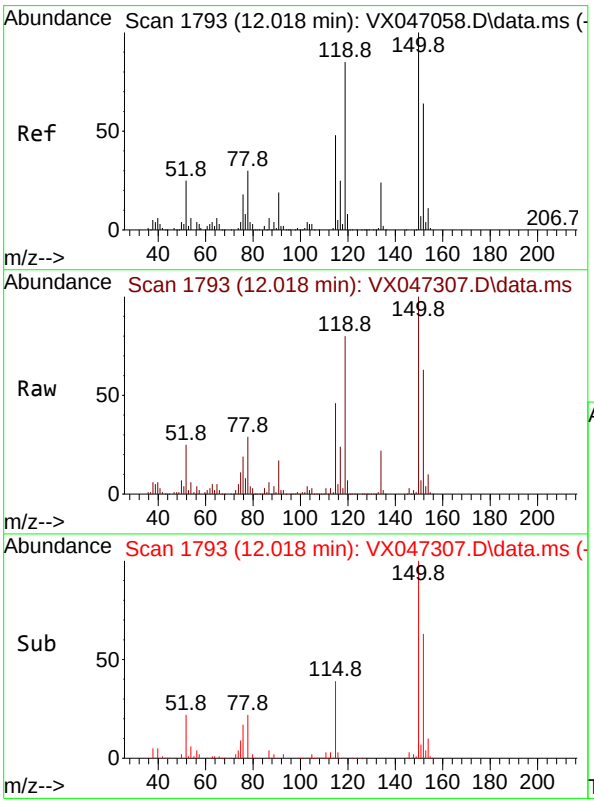
Tgt Ion:173 Resp: 10160

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

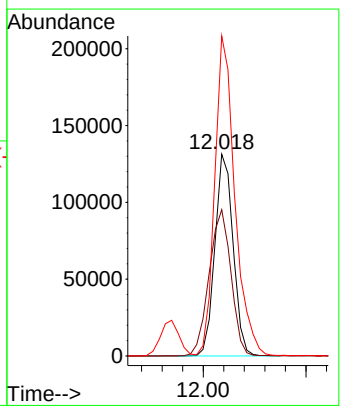
Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

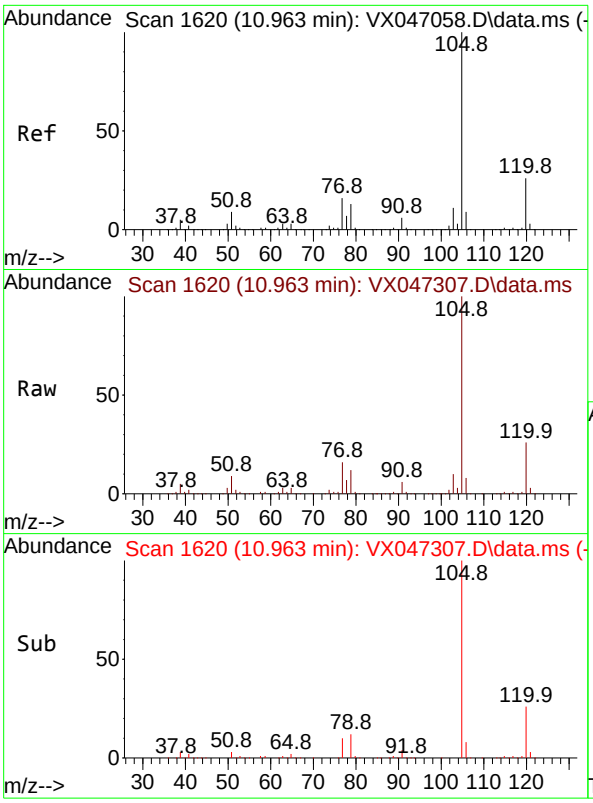


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:152 Resp: 161700

Ion	Ratio	Lower	Upper
152	100		
115	87.2	45.6	136.7
150	174.4	0.0	354.6





#73
Isopropylbenzene
Concen: 50.133 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

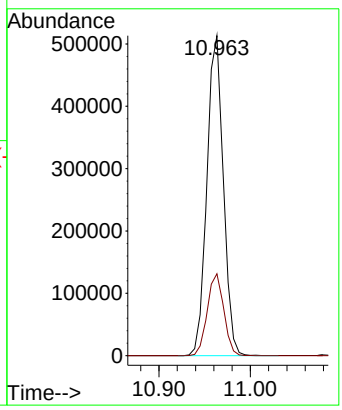
Tgt Ion:105 Resp: 63955

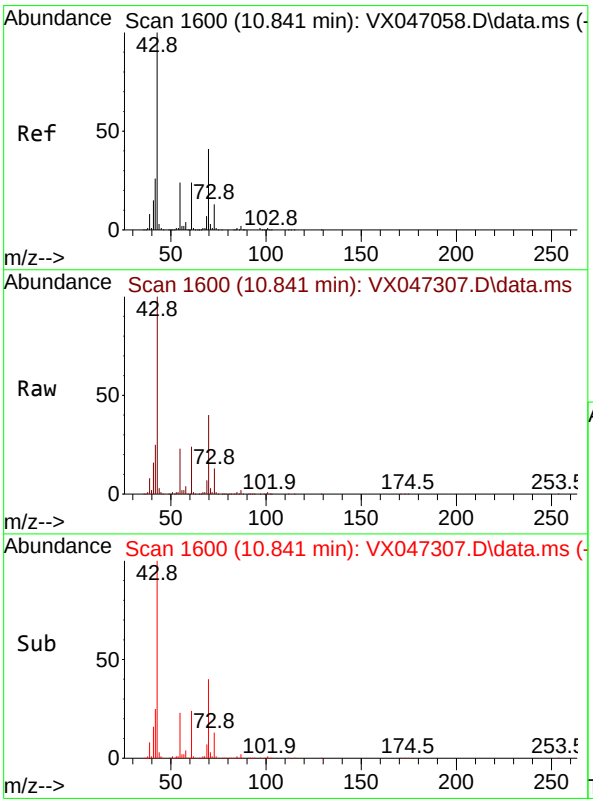
Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

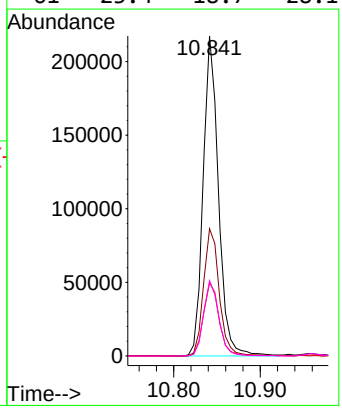


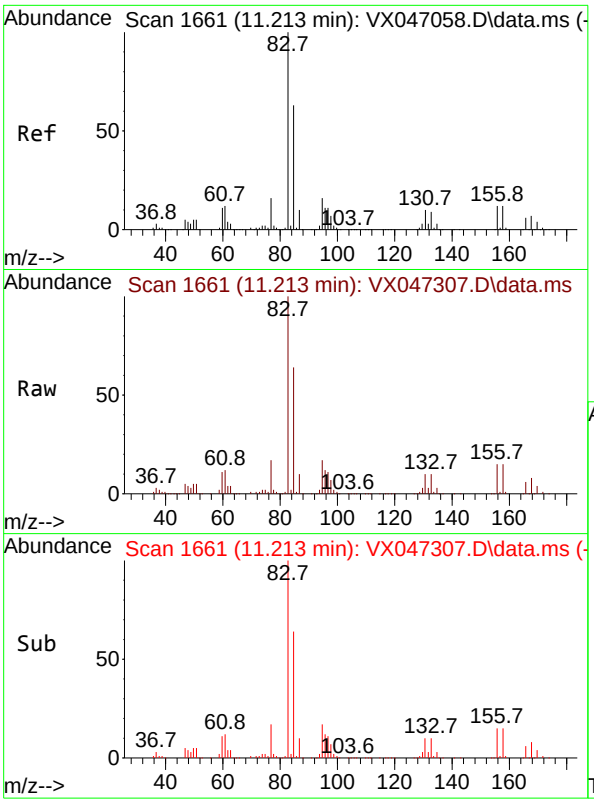


#74
N-amyl acetate
Concen: 51.866 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 43 Resp: 266967

Ion	Ratio	Lower	Upper
43	100		
70	41.0	32.3	48.5
55	23.6	18.9	28.3
61	23.4	18.7	28.1

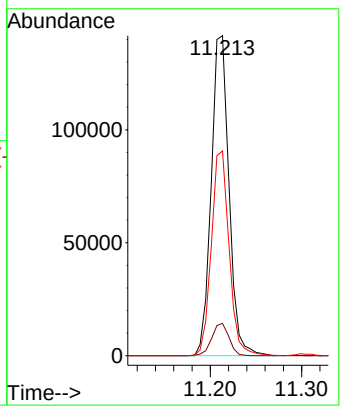




#75
1,1,2,2-Tetrachloroethane
Concen: 52.528 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 83 Resp: 19141

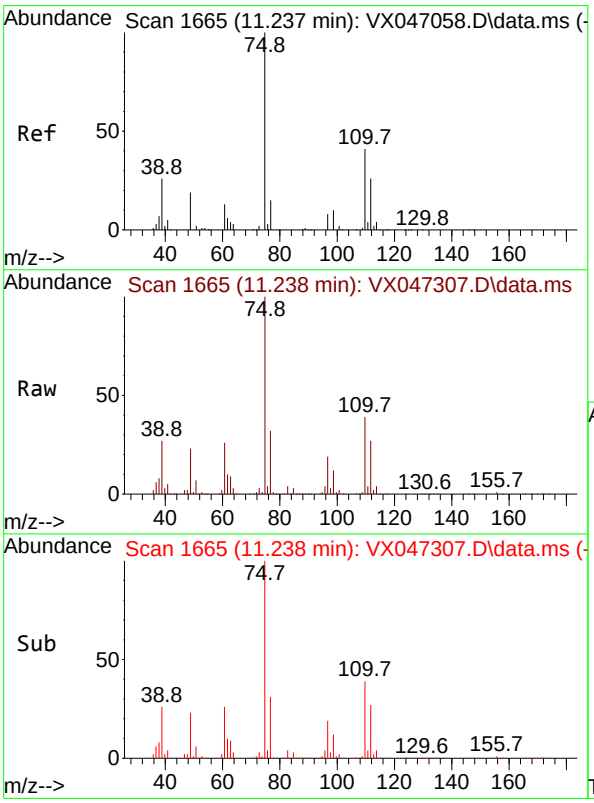
Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	63.9	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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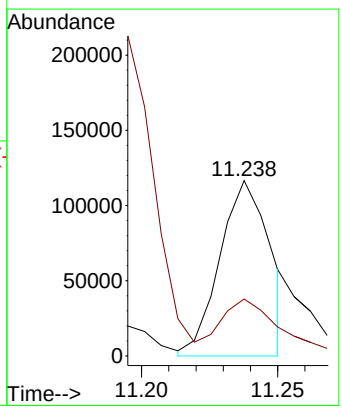
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

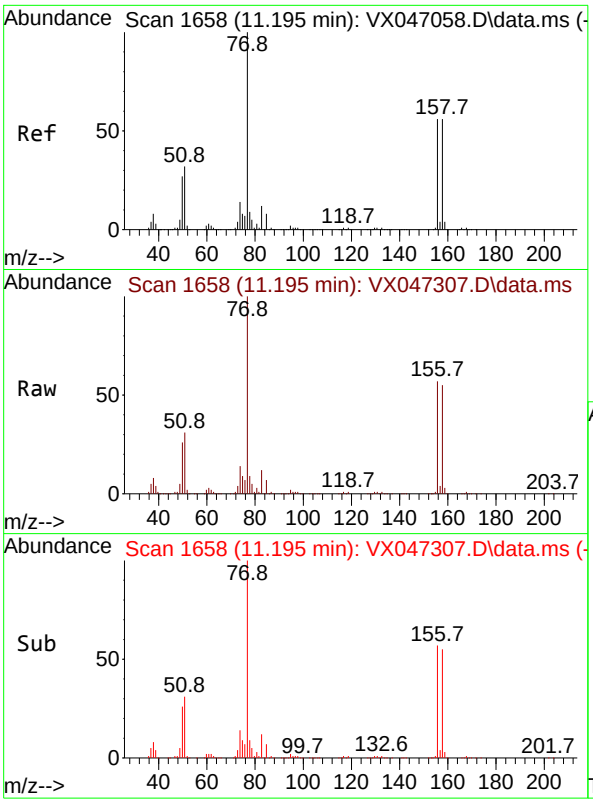


#76
1,2,3-Trichloropropane
Concen: 49.737 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 75 Resp: 148861

Ion	Ratio	Lower	Upper
75	100		
77	39.9	21.6	65.0

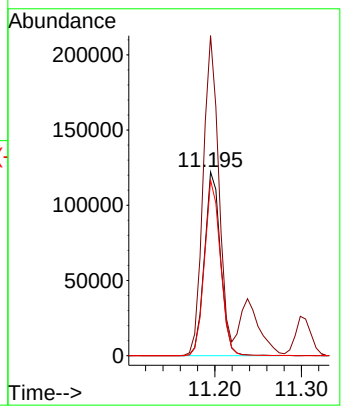




#77
Bromobenzene
Concen: 51.527 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:156 Resp: 15766

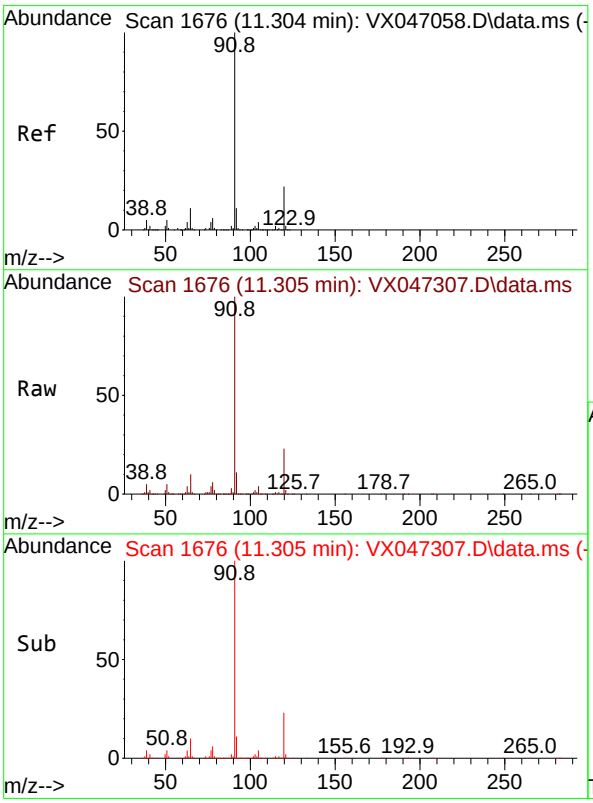
Ion	Ratio	Lower	Upper
156	100		
77	169.5	87.3	261.9
158	94.8	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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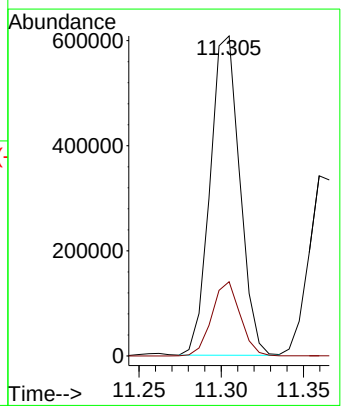
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

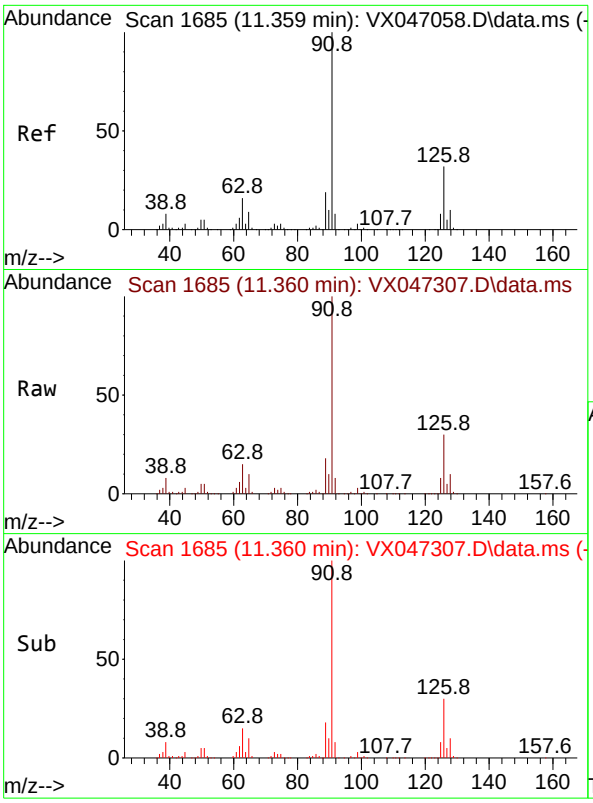


#78
n-propylbenzene
Concen: 50.013 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 91 Resp: 762426

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0





#79
2-Chlorotoluene
Concen: 49.797 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

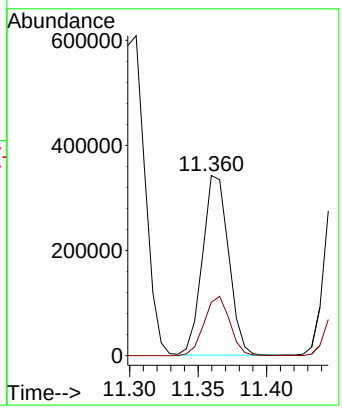
Tgt Ion: 91 Resp: 45378

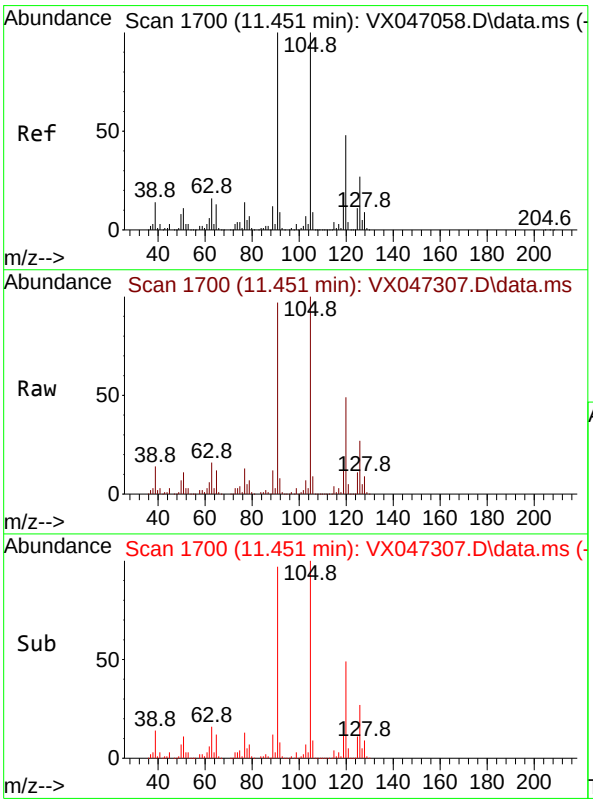
Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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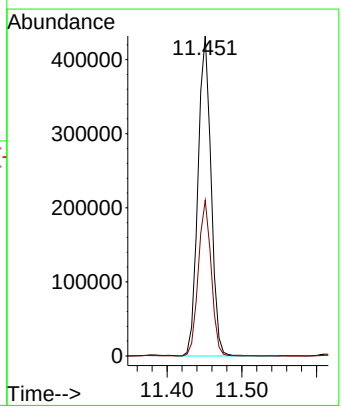


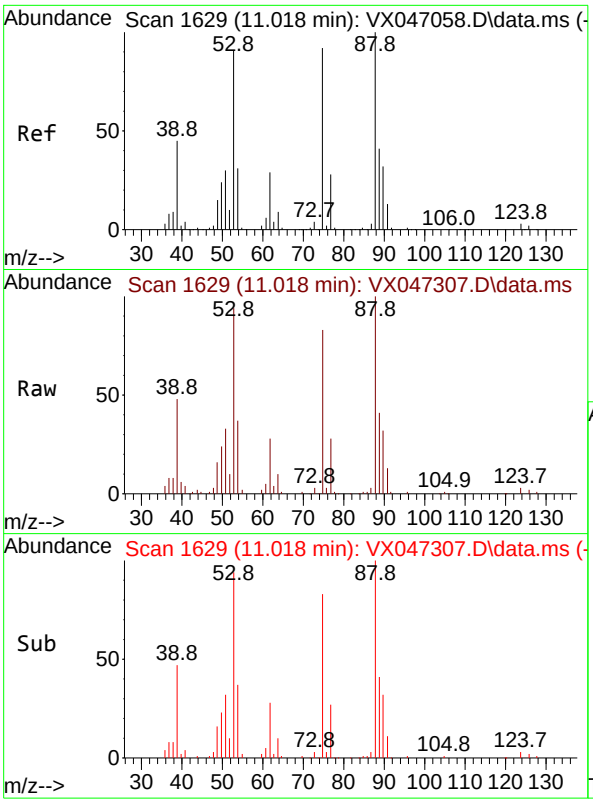


#80
1,3,5-Trimethylbenzene
Concen: 49.756 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:105 Resp: 524390

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.8	71.5

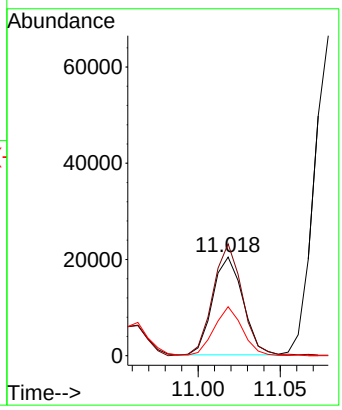




#81
trans-1,4-Dichloro-2-butene
Concen: 22.442 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 75 Resp: 2607

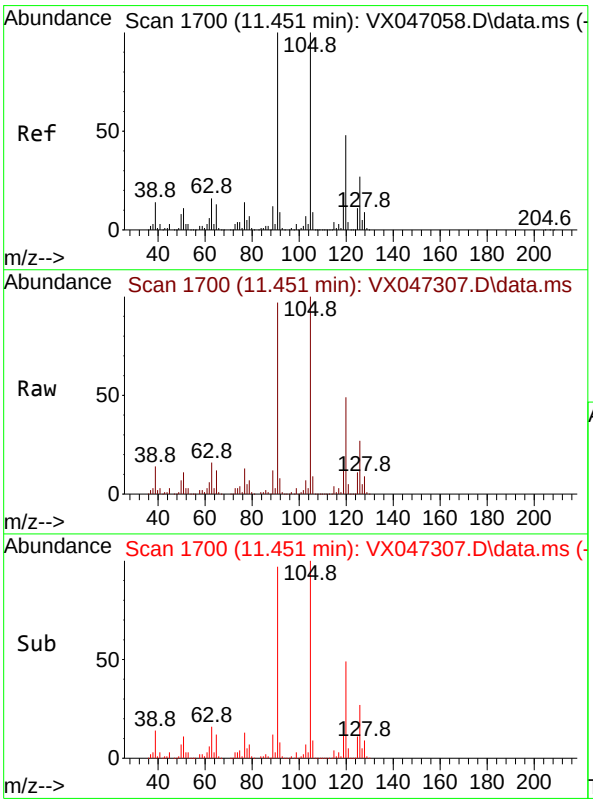
Ion	Ratio	Lower	Upper
75	100		
53	112.3	84.2	126.4
89	46.9	36.0	54.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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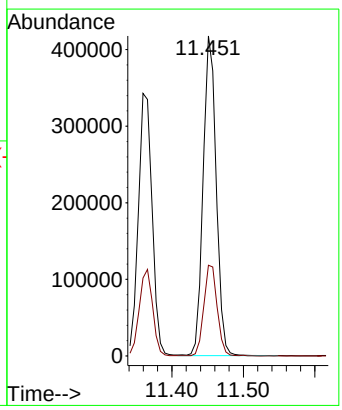
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

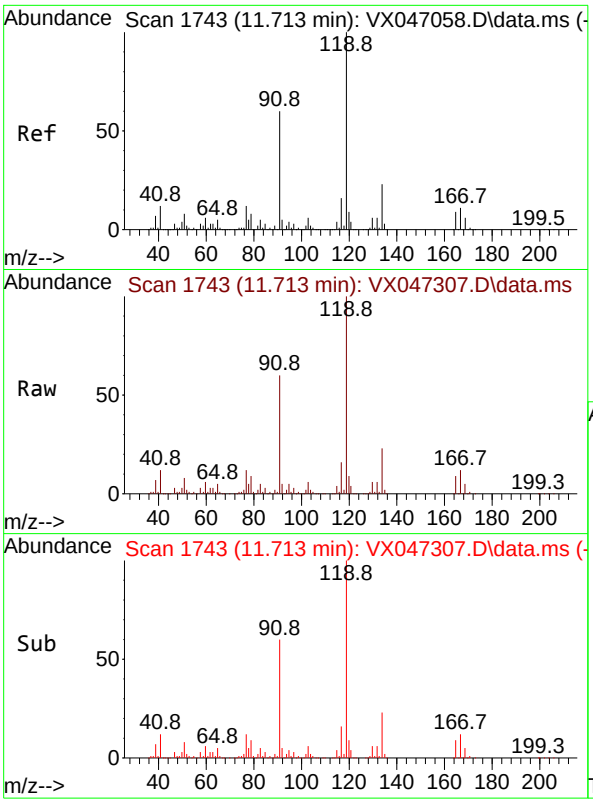


#82
4-Chlorotoluene
Concen: 49.920 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 91 Resp: 530975

Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.1	42.3

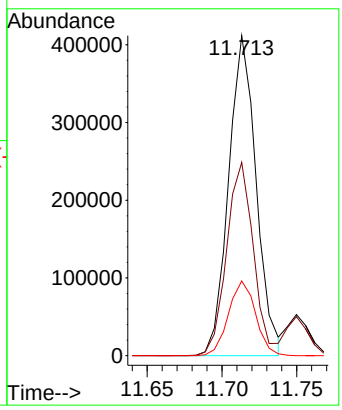




#83
tert-Butylbenzene
Concen: 49.940 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

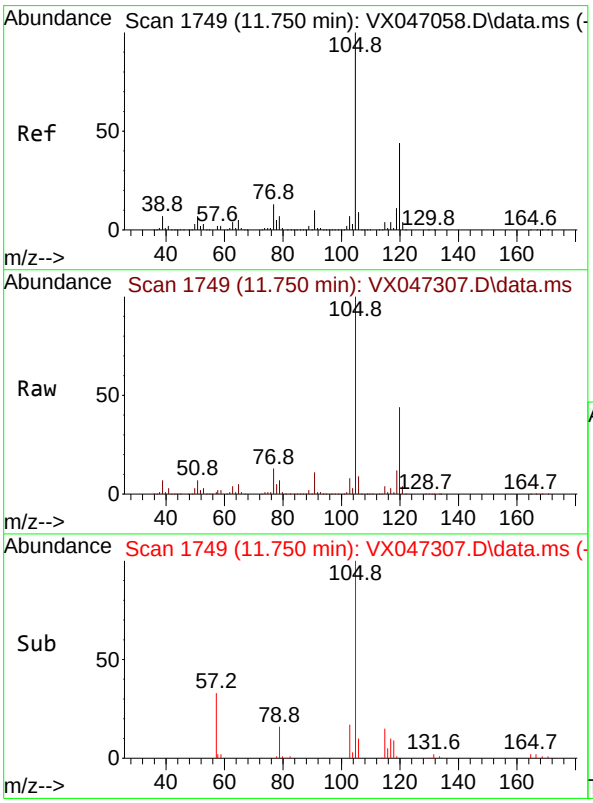
Tgt Ion:119 Resp: 52827

Ion	Ratio	Lower	Upper
119	100		
91	59.0	29.6	88.8
134	23.0	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

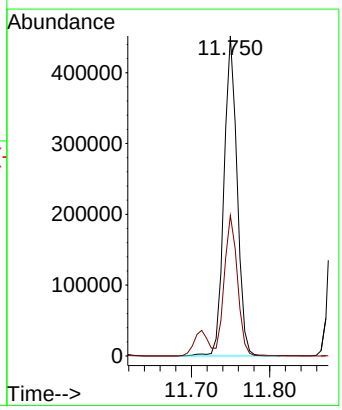
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

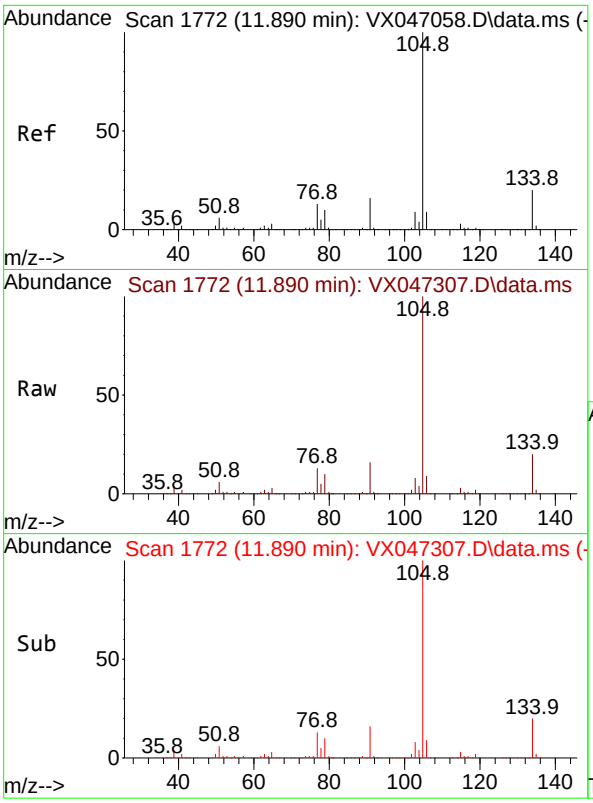


#84
1,2,4-Trimethylbenzene
Concen: 50.262 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:105 Resp: 528370

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.0	66.0





#85
sec-Butylbenzene
Concen: 48.652 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

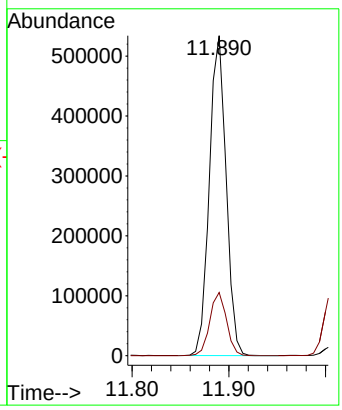
Tgt Ion:105 Resp: 64304

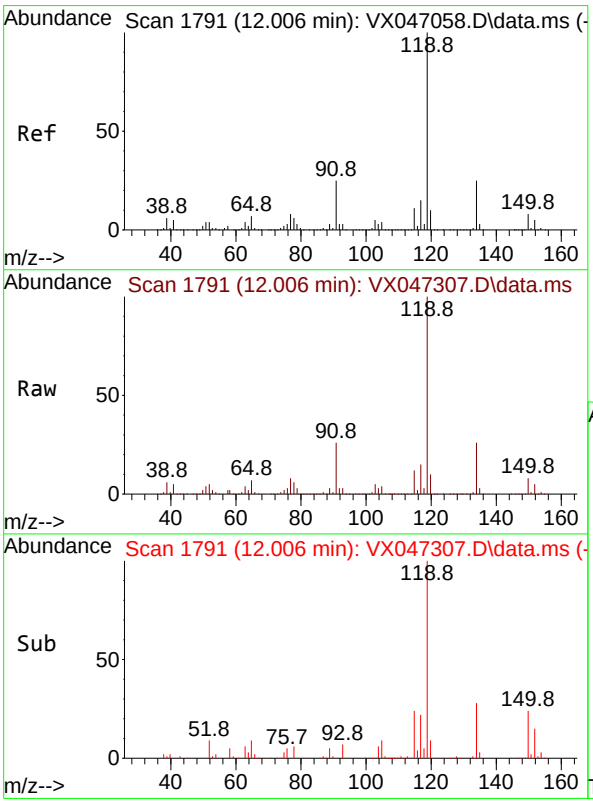
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.9	29.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Supervised By :Mahesh Dadoda 08/14/2025

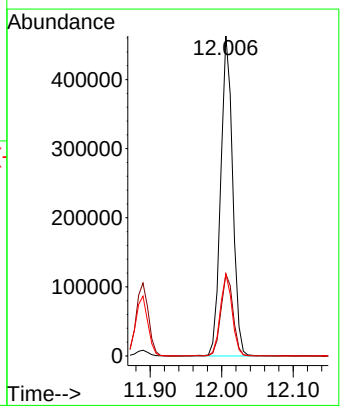


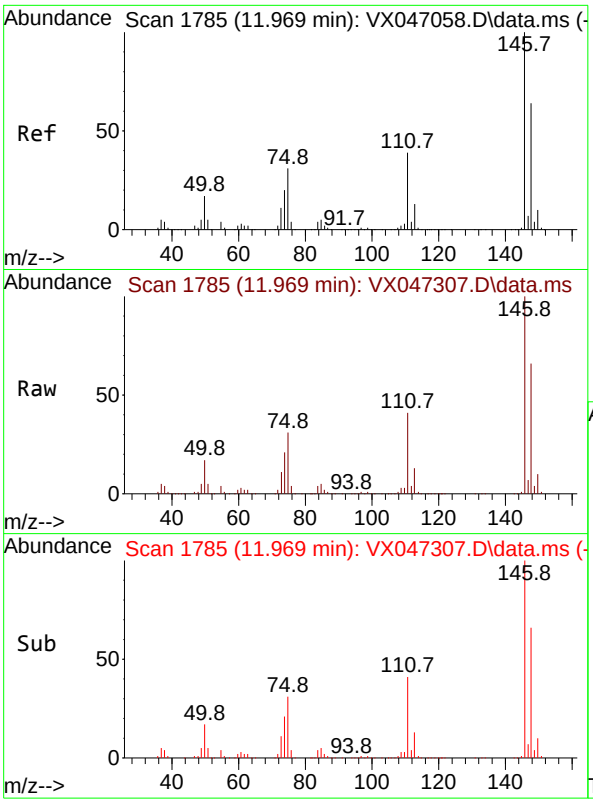


#86
p-Isopropyltoluene
Concen: 49.156 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:119 Resp: 538783

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.4	12.4	37.4

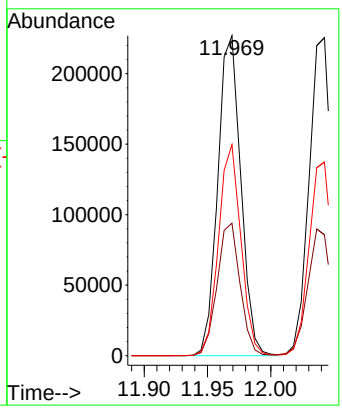




#87
1,3-Dichlorobenzene
Concen: 49.479 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

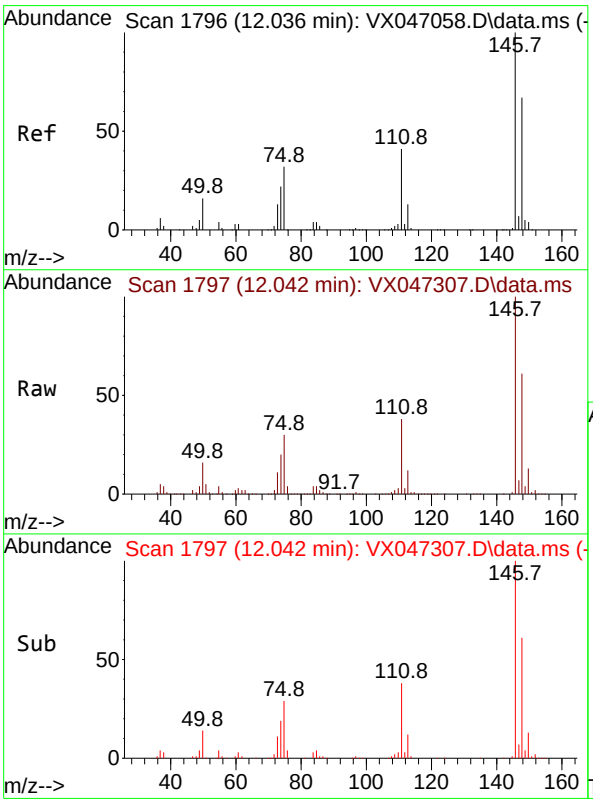
Tgt Ion:146 Resp: 28766

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	64.2	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

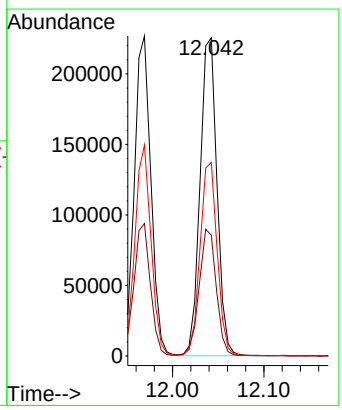
Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

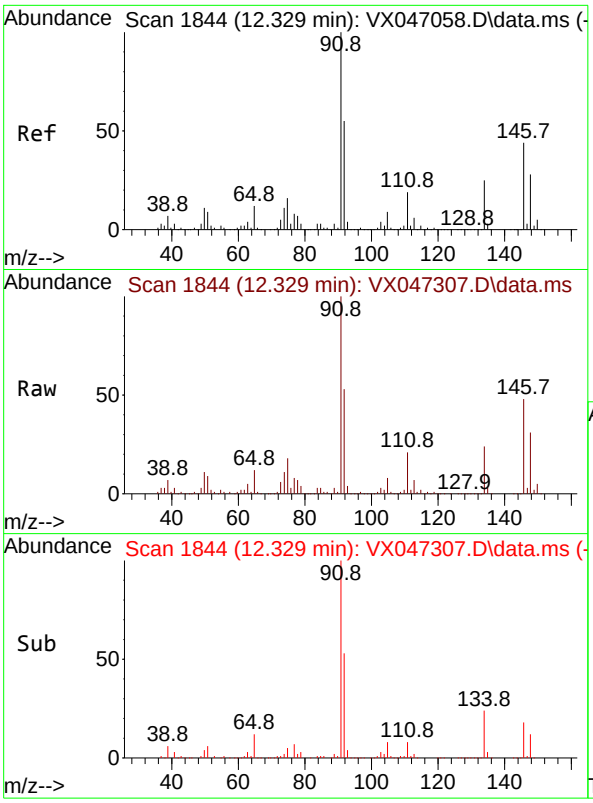


#88
1,4-Dichlorobenzene
Concen: 49.174 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:146 Resp: 289648

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.9
148	61.7	33.0	98.9





#89
n-Butylbenzene
Concen: 47.718 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

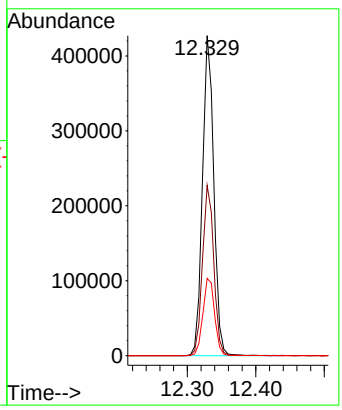
Tgt Ion: 91 Resp: 49048

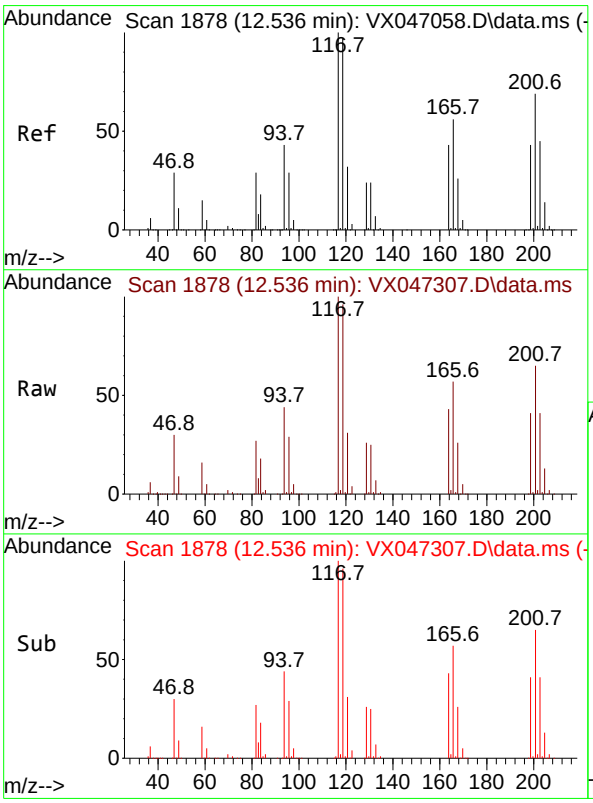
Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.5	82.5
134	25.2	12.8	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

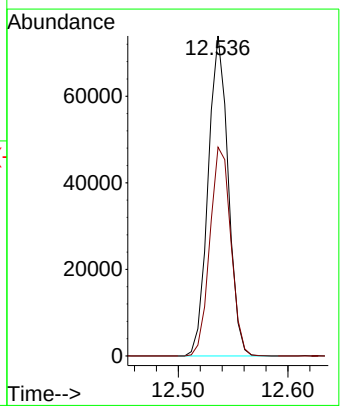


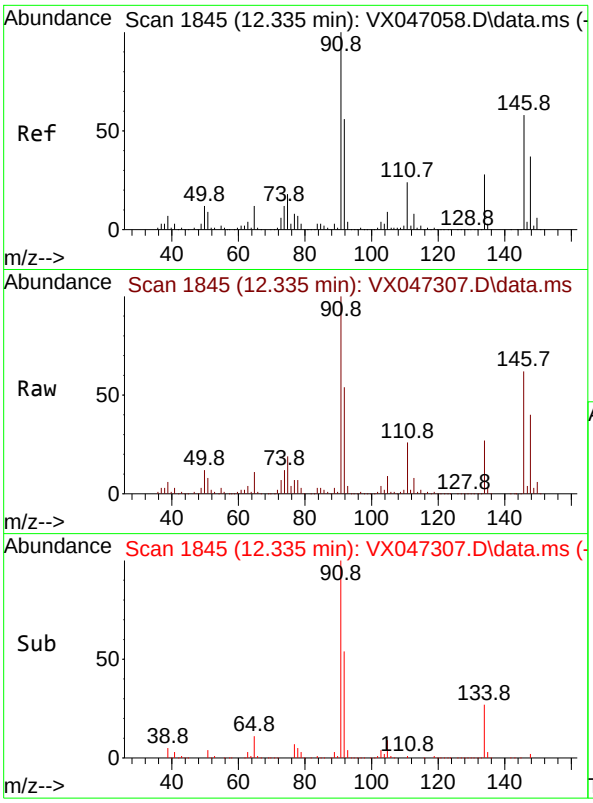


#90
Hexachloroethane
Concen: 47.850 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:117 Resp: 93824

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.8	104.5

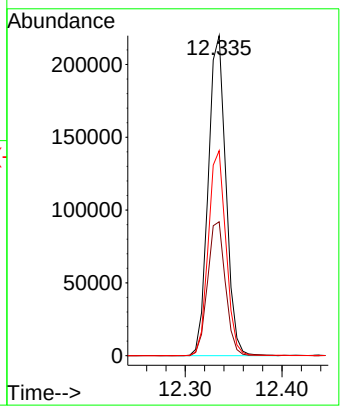




#91
1,2-Dichlorobenzene
Concen: 50.259 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:146 Resp: 27927

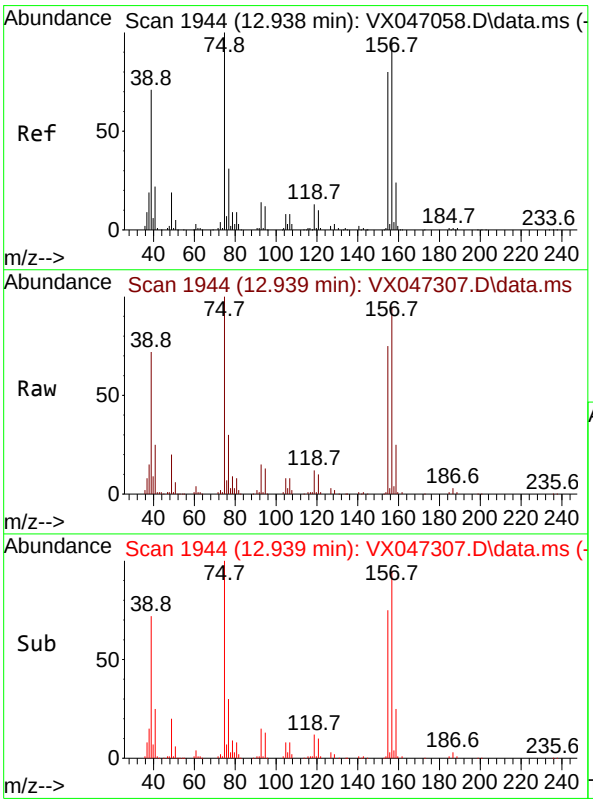
Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	64.6
148	64.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

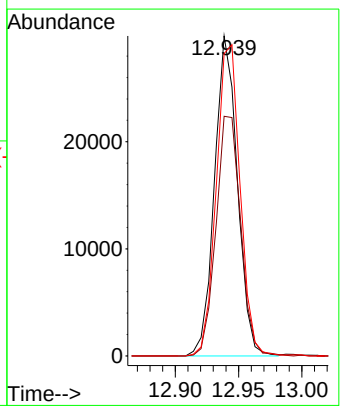
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

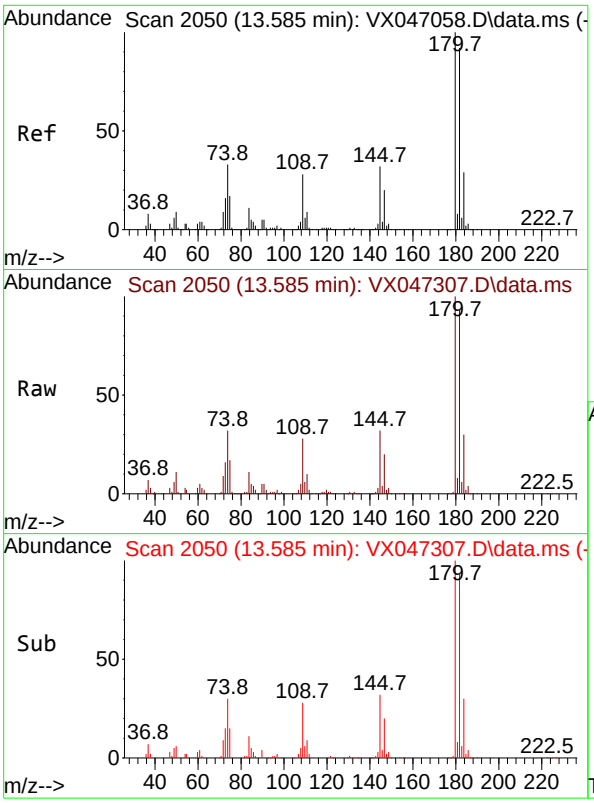


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.644 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 75 Resp: 37523

Ion	Ratio	Lower	Upper
75	100		
155	80.8	41.3	124.1
157	101.4	52.8	158.3

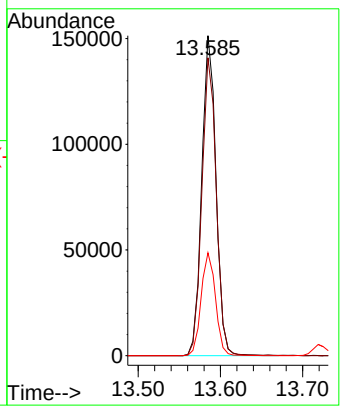




#93
1,2,4-Trichlorobenzene
Concen: 49.491 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:180 Resp: 18169

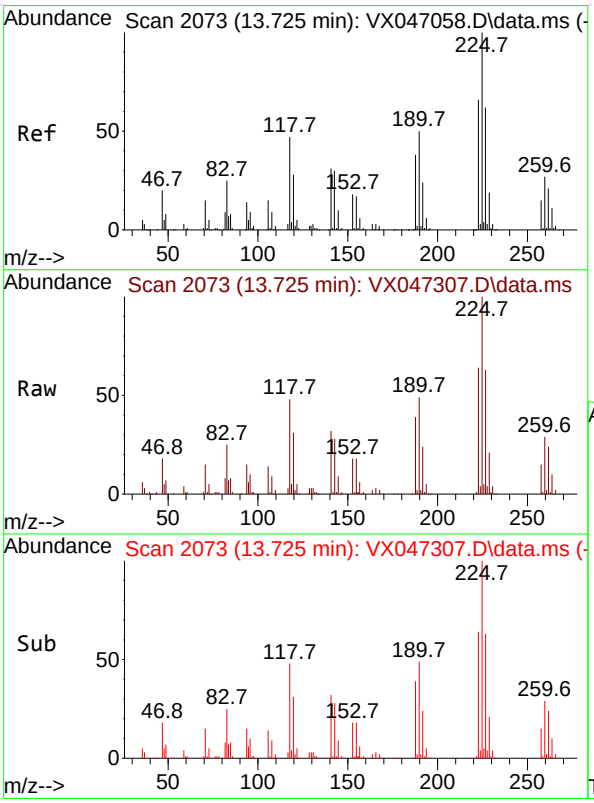
Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.8
145	32.5	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

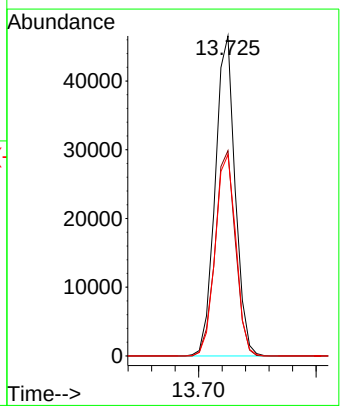
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

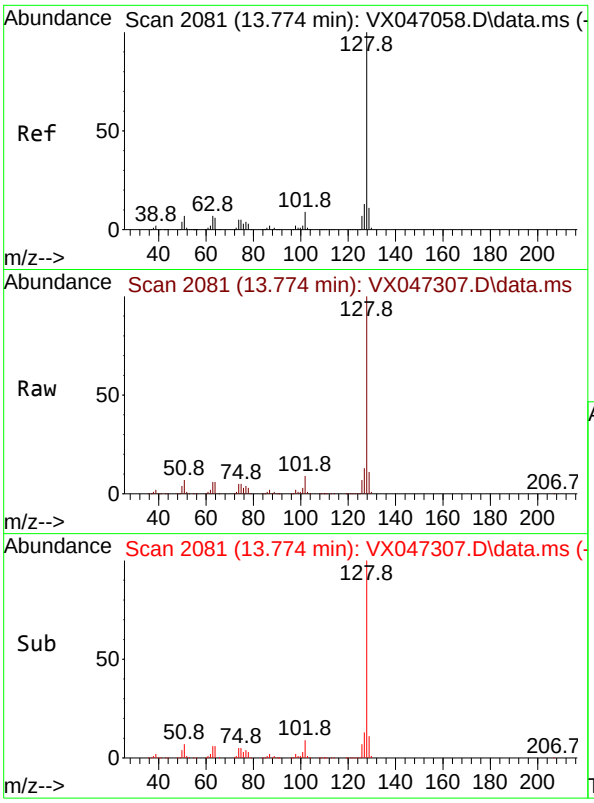


#94
Hexachlorobutadiene
Concen: 44.043 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:225 Resp: 54991

Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.6	95.0
227	65.0	32.9	98.6

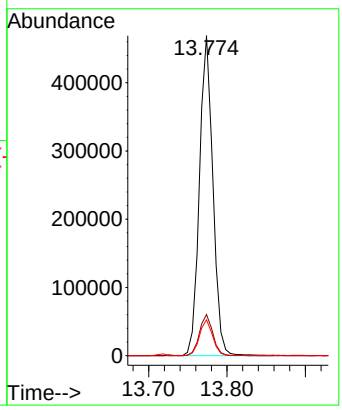




#95
Naphthalene
Concen: 51.981 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

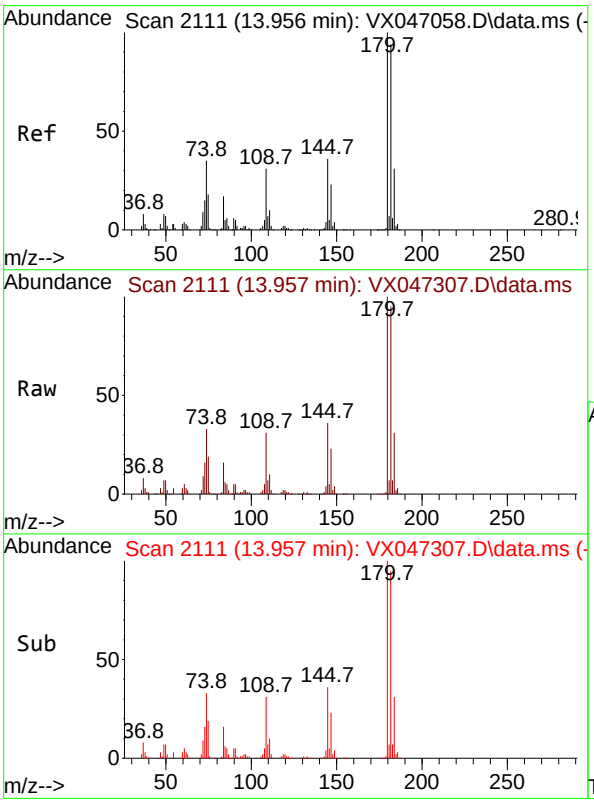
Tgt Ion:128 Resp: 55945

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.1	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

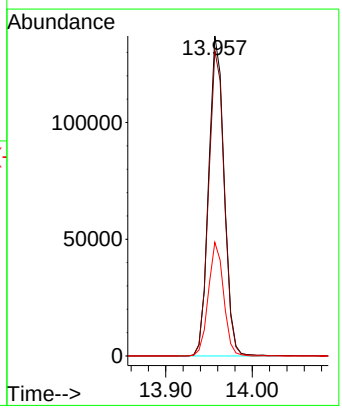
Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 48.215 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:180 Resp: 170531

Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.9	140.6
145	34.8	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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	70	0.00
2	T	Dichlorodifluoromethane	0.664	0.735	-10.7	67	0.00
3	P	Chloromethane	0.657	0.631	4.0	63	0.00
4	C	Vinyl Chloride	0.706	0.753	-6.7#	67	0.00
5	T	Bromomethane	0.384	0.327	14.8	51	0.00
6	T	Chloroethane	0.464	0.445	4.1	66	0.00
7	T	Trichlorofluoromethane	1.053	1.120	-6.4	67	0.00
8	T	Diethyl Ether	0.371	0.381	-2.7	68	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.661	-4.3	68	0.00
10	T	Methyl Iodide	0.647	0.909	-40.5#	87	0.00
11	T	Tert butyl alcohol	0.080	0.076	5.0	72	0.00
12	CM	1,1-Dichloroethene	0.628	0.651	-3.7#	67	0.00
13	T	Acrolein	0.134	0.177	-32.1#	89	0.00
14	T	Allyl chloride	1.136	1.108	2.5	62	0.00
15	T	Acrylonitrile	0.297	0.317	-6.7	67	0.00
16	T	Acetone	0.250	0.248	0.8	69	0.00
17	T	Carbon Disulfide	1.818	1.760	3.2	63	0.00
18	T	Methyl Acetate	0.663	0.773	-16.6	78	0.00
19	T	Methyl tert-butyl Ether	1.912	2.036	-6.5	69	0.00
20	T	Methylene Chloride	0.686	0.707	-3.1	68	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.672	-4.5	67	0.00
22	T	Diisopropyl ether	2.184	2.283	-4.5	67	0.00
23	T	Vinyl Acetate	1.752	1.871	-6.8	67	0.00
24	P	1,1-Dichloroethane	1.214	1.249	-2.9	67	0.00
25	T	2-Butanone	0.363	0.360	0.8	64	0.01
26	T	2,2-Dichloropropane	0.940	0.806	14.3	57	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.788	-3.5	68	0.00
28	T	Bromochloromethane	0.559	0.602	-7.7	69	0.00
29	T	Tetrahydrofuran	0.234	0.240	-2.6	65	0.01
30	C	Chloroform	1.236	1.266	-2.4#	68	0.00
31	T	Cyclohexane	1.164	1.109	4.7	64	0.00
32	T	1,1,1-Trichloroethane	1.074	1.097	-2.1	68	0.00
33	S	1,2-Dichloroethane-d4	0.623	0.603	3.2	73	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	71	0.00
35	S	Dibromofluoromethane	0.309	0.319	-3.2	77	0.00
36	T	1,1-Dichloropropene	0.526	0.515	2.1	67	0.00
37	T	Ethyl Acetate	0.485	0.581	-19.8	81	0.00
38	T	Carbon Tetrachloride	0.562	0.558	0.7	67	0.00
39	T	Methylcyclohexane	0.657	0.620	5.6	63	0.00
40	TM	Benzene	1.523	1.543	-1.3	67	0.00
41	T	Methacrylonitrile	0.254	0.251	1.2	61	0.01
42	TM	1,2-Dichloroethane	0.536	0.554	-3.4	69	0.00
43	T	Isopropyl Acetate	0.756	0.808	-6.9	68	0.00
44	TM	Trichloroethene	0.391	0.393	-0.5	67	0.00
45	C	1,2-Dichloropropane	0.381	0.387	-1.6#	67	0.00
46	T	Dibromomethane	0.267	0.279	-4.5	68	0.00
47	T	Bromodichloromethane	0.569	0.583	-2.5	67	0.00
48	T	Methyl methacrylate	0.412	0.426	-3.4	69	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.004	20.0	55	0.02
50	S	Toluene-d8	1.000	0.897	10.3	69	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.484	-7.8	70	0.00
52	CM	Toluene	0.936	0.964	-3.0#	68	0.00
53	T	t-1,3-Dichloropropene	0.538	0.513	4.6	62	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.569	3.2	62	0.00
55	T	1,1,2-Trichloroethane	0.351	0.363	-3.4	69	0.00
56	T	Ethyl methacrylate	0.520	0.574	-10.4	69	0.00
57	T	1,3-Dichloropropane	0.610	0.631	-3.4	69	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.292	-1.0	65	0.00
59	T	2-Hexanone	0.297	0.337	-13.5	70	0.00
60	T	Dibromochloromethane	0.412	0.428	-3.9	69	0.00
61	T	1,2-Dibromoethane	0.367	0.374	-1.9	67	0.00
62	S	4-Bromofluorobenzene	0.431	0.423	1.9	74	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	70	0.00
64	T	Tetrachloroethene	0.360	0.362	-0.6	67	0.00
65	PM	Chlorobenzene	1.171	1.188	-1.5	67	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.406	-3.0	67	0.00
67	C	Ethyl Benzene	2.048	2.104	-2.7#	67	0.00
68	T	m/p-Xylenes	0.766	0.789	-3.0	67	0.00
69	T	o-Xylene	0.729	0.756	-3.7	67	0.00
70	T	Styrene	1.250	1.307	-4.6	67	0.00
71	P	Bromoform	0.300	0.314	-4.7	67	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	72	0.00
73	T	Isopropylbenzene	3.945	3.955	-0.3	66	0.00
74	T	N-amyl acetate	1.592	1.651	-3.7	67	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.184	-5.1	71	0.00
76	T	1,2,3-Trichloropropane	0.925	0.921	0.4	67	0.00
77	T	Bromobenzene	0.946	0.975	-3.1	69	0.00
78	T	n-propylbenzene	4.714	4.715	-0.0	67	0.00
79	T	2-Chlorotoluene	2.818	2.806	0.4	67	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.243	0.5	67	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.161	55.2#	30#	0.00
82	T	4-Chlorotoluene	3.289	3.284	0.2	66	0.00
83	T	tert-Butylbenzene	3.271	3.267	0.1	66	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.268	-0.5	66	0.00
85	T	sec-Butylbenzene	4.087	3.977	2.7	65	0.00
86	T	p-Isopropyltoluene	3.389	3.332	1.7	65	0.00
87	T	1,3-Dichlorobenzene	1.798	1.779	1.1	67	0.00
88	T	1,4-Dichlorobenzene	1.821	1.791	1.6	68	0.00
89	T	n-Butylbenzene	3.178	3.033	4.6	63	0.00
90	T	Hexachloroethane	0.606	0.580	4.3	64	0.00
91	T	1,2-Dichlorobenzene	1.718	1.727	-0.5	68	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.232	-7.4	70	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.124	1.0	66	0.00
94	T	Hexachlorobutadiene	0.386	0.340	11.9	61	0.00
95	T	Naphthalene	3.328	3.460	-4.0	67	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	1.055	3.6	65	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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	70	0.00
2	T	Dichlorodifluoromethane	50.000	55.310	-10.6	67	0.00
3	P	Chloromethane	50.000	48.012	4.0	63	0.00
4	C	Vinyl Chloride	50.000	53.286	-6.6#	67	0.00
5	T	Bromomethane	50.000	42.670	14.7	51	0.00
6	T	Chloroethane	50.000	47.942	4.1	66	0.00
7	T	Trichlorofluoromethane	50.000	53.166	-6.3	67	0.00
8	T	Diethyl Ether	50.000	51.354	-2.7	68	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.060	-4.1	68	0.00
10	T	Methyl Iodide	50.000	70.265	-40.5#	87	0.00
11	T	Tert butyl alcohol	250.000	260.548	-4.2	72	0.00
12	CM	1,1-Dichloroethene	50.000	51.809	-3.6#	67	0.00
13	T	Acrolein	250.000	330.555	-32.2#	89	0.00
14	T	Allyl chloride	50.000	48.767	2.5	62	0.00
15	T	Acrylonitrile	250.000	267.053	-6.8	67	0.00
16	T	Acetone	250.000	248.594	0.6	69	0.00
17	T	Carbon Disulfide	50.000	48.401	3.2	63	0.00
18	T	Methyl Acetate	50.000	58.297	-16.6	78	0.00
19	T	Methyl tert-butyl Ether	50.000	53.243	-6.5	69	0.00
20	T	Methylene Chloride	50.000	51.514	-3.0	68	0.00
21	T	trans-1,2-Dichloroethene	50.000	52.222	-4.4	67	0.00
22	T	Diisopropyl ether	50.000	52.281	-4.6	67	0.00
23	T	Vinyl Acetate	250.000	267.002	-6.8	67	0.00
24	P	1,1-Dichloroethane	50.000	51.439	-2.9	67	0.00
25	T	2-Butanone	250.000	247.769	0.9	64	0.01
26	T	2,2-Dichloropropane	50.000	42.869	14.3	57	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.739	-3.5	68	0.00
28	T	Bromochloromethane	50.000	53.858	-7.7	69	0.00
29	T	Tetrahydrofuran	250.000	255.772	-2.3	65	0.01
30	C	Chloroform	50.000	51.222	-2.4#	68	0.00
31	T	Cyclohexane	50.000	47.631	4.7	64	0.00
32	T	1,1,1-Trichloroethane	50.000	51.073	-2.1	68	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.424	3.2	73	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	71	0.00
35	S	Dibromofluoromethane	50.000	51.707	-3.4	77	0.00
36	T	1,1-Dichloropropene	50.000	48.951	2.1	67	0.00
37	T	Ethyl Acetate	50.000	59.891	-19.8	81	0.00
38	T	Carbon Tetrachloride	50.000	49.665	0.7	67	0.00
39	T	Methylcyclohexane	50.000	47.179	5.6	63	0.00
40	TM	Benzene	50.000	50.647	-1.3	67	0.00
41	T	Methacrylonitrile	50.000	49.535	0.9	61	0.01
42	TM	1,2-Dichloroethane	50.000	51.596	-3.2	69	0.00
43	T	Isopropyl Acetate	50.000	53.445	-6.9	68	0.00
44	TM	Trichloroethene	50.000	50.265	-0.5	67	0.00
45	C	1,2-Dichloropropane	50.000	50.671	-1.3#	67	0.00
46	T	Dibromomethane	50.000	52.234	-4.5	68	0.00
47	T	Bromodichloromethane	50.000	51.231	-2.5	67	0.00
48	T	Methyl methacrylate	50.000	51.748	-3.5	69	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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	855.697	14.4	55	0.02
50	S	Toluene-d8	50.000	44.862	10.3	69	0.00
51	T	4-Methyl-2-Pentanone	250.000	269.360	-7.7	70	0.00
52	CM	Toluene	50.000	51.450	-2.9#	68	0.00
53	T	t-1,3-Dichloropropene	50.000	47.746	4.5	62	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.387	3.2	62	0.00
55	T	1,1,2-Trichloroethane	50.000	51.723	-3.4	69	0.00
56	T	Ethyl methacrylate	50.000	55.161	-10.3	69	0.00
57	T	1,3-Dichloropropane	50.000	51.678	-3.4	69	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	252.526	-1.0	65	0.00
59	T	2-Hexanone	250.000	283.920	-13.6	70	0.00
60	T	Dibromochloromethane	50.000	51.976	-4.0	69	0.00
61	T	1,2-Dibromoethane	50.000	50.891	-1.8	67	0.00
62	S	4-Bromofluorobenzene	50.000	49.091	1.8	74	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	70	0.00
64	T	Tetrachloroethene	50.000	50.267	-0.5	67	0.00
65	PM	Chlorobenzene	50.000	50.704	-1.4	67	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	51.426	-2.9	67	0.00
67	C	Ethyl Benzene	50.000	51.369	-2.7#	67	0.00
68	T	m/p-Xylenes	100.000	102.933	-2.9	67	0.00
69	T	o-Xylene	50.000	51.832	-3.7	67	0.00
70	T	Styrene	50.000	52.257	-4.5	67	0.00
71	P	Bromoform	50.000	52.383	-4.8	67	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	72	0.00
73	T	Isopropylbenzene	50.000	50.133	-0.3	66	0.00
74	T	N-amyl acetate	50.000	51.866	-3.7	67	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.528	-5.1	71	0.00
76	T	1,2,3-Trichloropropane	50.000	49.737	0.5	67	0.00
77	T	Bromobenzene	50.000	51.527	-3.1	69	0.00
78	T	n-propylbenzene	50.000	50.013	-0.0	67	0.00
79	T	2-Chlorotoluene	50.000	49.797	0.4	67	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.756	0.5	67	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	22.442	55.1#	30	0.00
82	T	4-Chlorotoluene	50.000	49.920	0.2	66	0.00
83	T	tert-Butylbenzene	50.000	49.940	0.1	66	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.262	-0.5	66	0.00
85	T	sec-Butylbenzene	50.000	48.652	2.7	65	0.00
86	T	p-Isopropyltoluene	50.000	49.156	1.7	65	0.00
87	T	1,3-Dichlorobenzene	50.000	49.479	1.0	67	0.00
88	T	1,4-Dichlorobenzene	50.000	49.174	1.7	68	0.00
89	T	n-Butylbenzene	50.000	47.718	4.6	63	0.00
90	T	Hexachloroethane	50.000	47.850	4.3	64	0.00
91	T	1,2-Dichlorobenzene	50.000	50.259	-0.5	68	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.644	-7.3	70	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.491	1.0	66	0.00
94	T	Hexachlorobutadiene	50.000	44.043	11.9	61	0.00
95	T	Naphthalene	50.000	51.981	-4.0	67	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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	48.215	3.6	65	0.00

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	FIRS02
Lab Code:	ACE	SDG No.:	Q2814
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/13/2025 09:44
Lab File ID:	VX047309.D	Init. Calib. Date(s):	07/21/2025 07/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.664	0.684		3.01	20
Chloromethane	0.657	0.610	0.1	-7.15	20
Vinyl Chloride	0.706	0.722		2.27	20
Bromomethane	0.384	0.390		1.56	20
Chloroethane	0.464	0.440		-5.17	20
Trichlorofluoromethane	1.053	1.065		1.14	20
1,1,2-Trichlorotrifluoroethane	0.634	0.626		-1.26	20
1,1-Dichloroethene	0.628	0.628		0	20
Acetone	0.250	0.291		16.4	20
Carbon Disulfide	1.818	1.715		-5.67	20
Methyl tert-butyl Ether	1.912	2.118		10.77	20
Methyl Acetate	0.663	0.813		22.62	20
Methylene Chloride	0.686	0.714		4.08	20
trans-1,2-Dichloroethene	0.643	0.659		2.49	20
1,1-Dichloroethane	1.214	1.233	0.1	1.57	20
Cyclohexane	1.164	1.079		-7.3	20
2-Butanone	0.363	0.375		3.31	20
Carbon Tetrachloride	0.562	0.542		-3.56	20
cis-1,2-Dichloroethene	0.761	0.797		4.73	20
Bromochloromethane	0.559	0.601		7.51	20
Chloroform	1.236	1.275		3.15	20
1,1,1-Trichloroethane	1.074	1.081		0.65	20
Methylcyclohexane	0.657	0.604		-8.07	20
Benzene	1.523	1.554		2.04	20
1,2-Dichloroethane	0.536	0.577		7.65	20
Trichloroethene	0.391	0.389		-0.51	20
1,2-Dichloropropane	0.381	0.396		3.94	20
Bromodichloromethane	0.569	0.606		6.5	20
4-Methyl-2-Pentanone	0.449	0.493		9.8	20
Toluene	0.936	0.966		3.2	20
t-1,3-Dichloropropene	0.538	0.562		4.46	20
cis-1,3-Dichloropropene	0.588	0.617		4.93	20
1,1,2-Trichloroethane	0.351	0.384		9.4	20
2-Hexanone	0.297	0.345		16.16	20
Dibromochloromethane	0.412	0.448		8.74	20
1,2-Dibromoethane	0.367	0.399		8.72	20
Tetrachloroethene	0.360	0.349		-3.06	20
Chlorobenzene	1.171	1.184	0.3	1.11	20

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

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:	FIRS02
Lab Code:	ACE	SDG No.:	Q2814
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/13/2025 09:44
Lab File ID:	VX047309.D	Init. Calib. Date(s):	07/21/2025 07/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.048	2.053		0.24	20
m/p-Xylenes	0.766	0.773		0.91	20
o-Xylene	0.729	0.745		2.19	20
Styrene	1.250	1.297		3.76	20
Bromoform	0.300	0.324	0.1	8	20
Isopropylbenzene	3.945	3.857		-2.23	20
1,1,2,2-Tetrachloroethane	1.127	1.184	0.3	5.06	20
1,3-Dichlorobenzene	1.798	1.804		0.33	20
1,4-Dichlorobenzene	1.821	1.773		-2.64	20
1,2-Dichlorobenzene	1.718	1.708		-0.58	20
1,2-Dibromo-3-Chloropropane	0.216	0.232		7.41	20
1,2,4-Trichlorobenzene	1.135	1.133		-0.18	20
1,2,3-Trichlorobenzene	1.094	1.081		-1.19	20
1,2-Dichloroethane-d4	0.623	0.607		-2.57	20
Dibromofluoromethane	0.309	0.319		3.24	20
Toluene-d8	1.000	0.880		-12	20
4-Bromofluorobenzene	0.431	0.428		-0.7	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\VX081325\
Data File : VX047309.D
Acq On : 13 Aug 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 14 03:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	202458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	343367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	311895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	156059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	122913	48.737	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.480%			
35) Dibromofluoromethane	5.391	113	109453	51.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.260%			
50) Toluene-d8	8.647	98	302023	43.990	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 87.980%#			
62) 4-Bromofluorobenzene	11.079	95	146951	49.666	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	138397	51.465	ug/l	99
3) Chloromethane	1.313	50	123447	46.408	ug/l	97
4) Vinyl Chloride	1.392	62	146166	51.117	ug/l	100
5) Bromomethane	1.624	94	78964	50.837	ug/l	99
6) Chloroethane	1.703	64	89071	47.427	ug/l	99
7) Trichlorofluoromethane	1.904	101	215625	50.571	ug/l	99
8) Diethyl Ether	2.148	74	81402	54.146	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.343	101	126773	49.350	ug/l	98
10) Methyl Iodide	2.465	142	219512	83.845	ug/l	100
11) Tert butyl alcohol	2.965	59	78261	266.119	ug/l	100
12) 1,1-Dichloroethene	2.331	96	127051	49.935	ug/l	98
13) Acrolein	2.245	56	211272	389.062	ug/l	99
14) Allyl chloride	2.678	41	227152	49.389	ug/l	97
15) Acrylonitrile	3.074	53	336877	280.076	ug/l	98
16) Acetone	2.386	43	294865	291.855	ug/l	100
17) Carbon Disulfide	2.526	76	347209	47.171	ug/l	98
18) Methyl Acetate	2.709	43	164668	61.331	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	428882	55.387	ug/l	99
20) Methylene Chloride	2.800	84	144651	52.043	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	133319	51.205	ug/l	98
22) Diisopropyl ether	3.769	45	474294	53.638	ug/l	93
23) Vinyl Acetate	3.727	43	1966349	277.255	ug/l	100
24) 1,1-Dichloroethane	3.617	63	249579	50.758	ug/l	98
25) 2-Butanone	4.562	43	379836	258.198	ug/l	97
26) 2,2-Dichloropropane	4.483	77	191107	50.208	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	161308	52.320	ug/l	98
28) Bromochloromethane	4.903	49	121750	53.820	ug/l	98
29) Tetrahydrofuran	5.013	42	237647	250.372	ug/l	99
30) Chloroform	5.099	83	258046	51.555	ug/l	98
31) Cyclohexane	5.476	56	218449	46.334	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	218773	50.322	ug/l	100
36) 1,1-Dichloropropene	5.702	75	174512	48.290	ug/l	99
37) Ethyl Acetate	4.721	43	192890	57.925	ug/l	96
38) Carbon Tetrachloride	5.684	117	186156	48.263	ug/l	99
39) Methylcyclohexane	7.379	83	207402	45.966	ug/l	99
40) Benzene	6.043	78	533739	51.034	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047309.D
Acq On : 13 Aug 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 14 03:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	89952	51.663	ug/l		95
42) 1,2-Dichloroethane	6.092	62	198218	53.804	ug/l		99
43) Isopropyl Acetate	6.342	43	287722	55.423	ug/l		98
44) Trichloroethene	7.129	130	133465	49.765	ug/l		99
45) 1,2-Dichloropropane	7.427	63	135914	51.888	ug/l		97
46) Dibromomethane	7.580	93	101172	55.078	ug/l		100
47) Bromodichloromethane	7.818	83	208211	53.254	ug/l		98
48) Methyl methacrylate	7.696	41	149404	52.829	ug/l		98
49) 1,4-Dioxane	7.677	88	33534	1042.543	ug/l		94
51) 4-Methyl-2-Pentanone	8.573	43	845831	274.116	ug/l		99
52) Toluene	8.720	92	331807	51.598	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	192983	52.270	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	211833	52.423	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	131934	54.707	ug/l		98
56) Ethyl methacrylate	9.116	69	202090	56.604	ug/l		99
57) 1,3-Dichloropropane	9.305	76	225882	53.892	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	507677	255.533	ug/l		100
59) 2-Hexanone	9.427	43	591849	290.316	ug/l		100
60) Dibromochloromethane	9.518	129	153681	54.334	ug/l		100
61) 1,2-Dibromoethane	9.610	107	136881	54.281	ug/l		98
64) Tetrachloroethene	9.275	164	108938	48.451	ug/l		98
65) Chlorobenzene	10.079	112	369251	50.536	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	130021	52.854	ug/l		98
67) Ethyl Benzene	10.189	91	640387	50.127	ug/l		100
68) m/p-Xylenes	10.299	106	481905	100.800	ug/l		100
69) o-Xylene	10.640	106	232501	51.121	ug/l		100
70) Styrene	10.652	104	404384	51.852	ug/l		100
71) Bromoform	10.799	173	101111	54.108	ug/l	#	99
73) Isopropylbenzene	10.957	105	601920	48.889	ug/l		100
74) N-amyl acetate	10.841	43	253569	51.043	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	184802	52.547	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	148834m	51.525	ug/l		
77) Bromobenzene	11.195	156	149595	50.657	ug/l		98
78) n-propylbenzene	11.299	91	717788	48.787	ug/l		99
79) 2-Chlorotoluene	11.360	91	429105	48.791	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	502646	49.416	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	30072	26.822	ug/l		98
82) 4-Chlorotoluene	11.451	91	509422	49.625	ug/l		99
83) tert-Butylbenzene	11.713	119	499240	48.901	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	503767	49.654	ug/l		100
85) sec-Butylbenzene	11.890	105	607529	47.627	ug/l		99
86) p-Isopropyltoluene	12.006	119	513359	48.530	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	281606	50.187	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	276736	48.680	ug/l		99
89) n-Butylbenzene	12.329	91	467854	47.162	ug/l		99
90) Hexachloroethane	12.536	117	92640	48.954	ug/l		98
91) 1,2-Dichlorobenzene	12.329	146	266592	49.711	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36183	53.598	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	176813	49.902	ug/l		99
94) Hexachlorobutadiene	13.719	225	56288	46.711	ug/l		99
95) Naphthalene	13.774	128	537872	51.782	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	168763	49.440	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047309.D
Acq On : 13 Aug 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 14 03:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

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

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

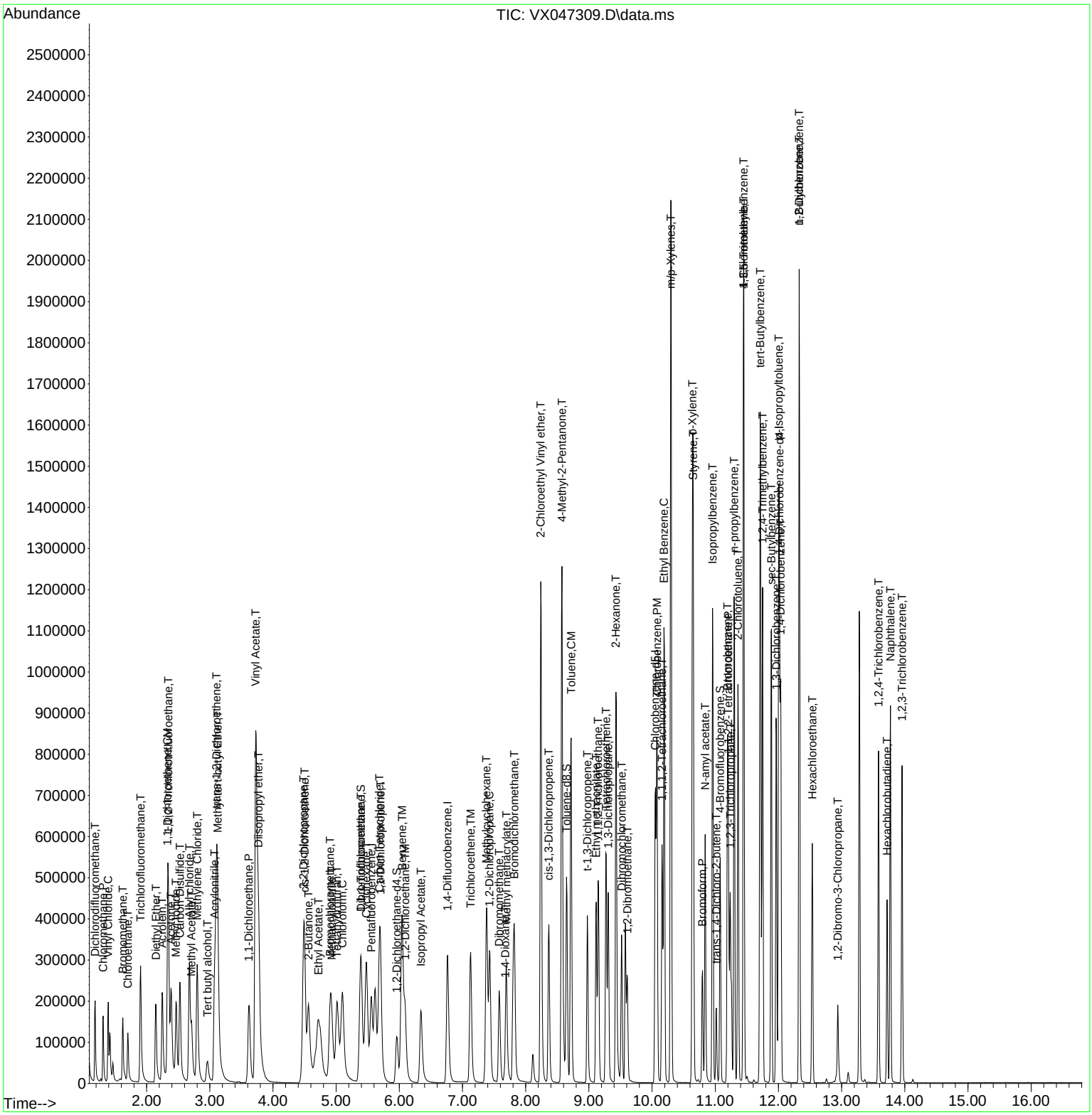
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047309.D
Acq On : 13 Aug 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

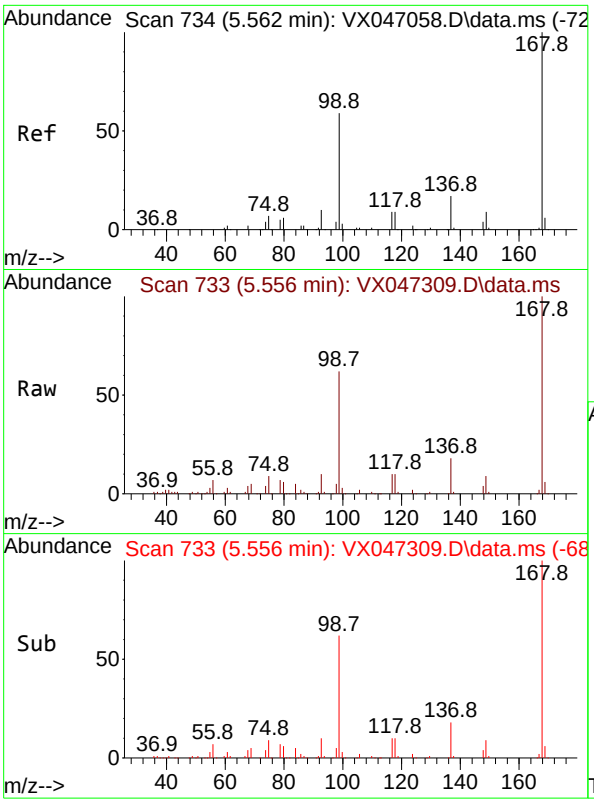
Quant Time: Aug 14 03:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

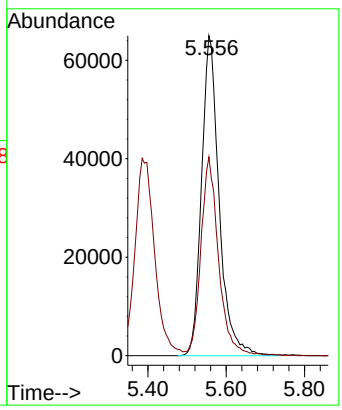




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:168 Resp: 20245

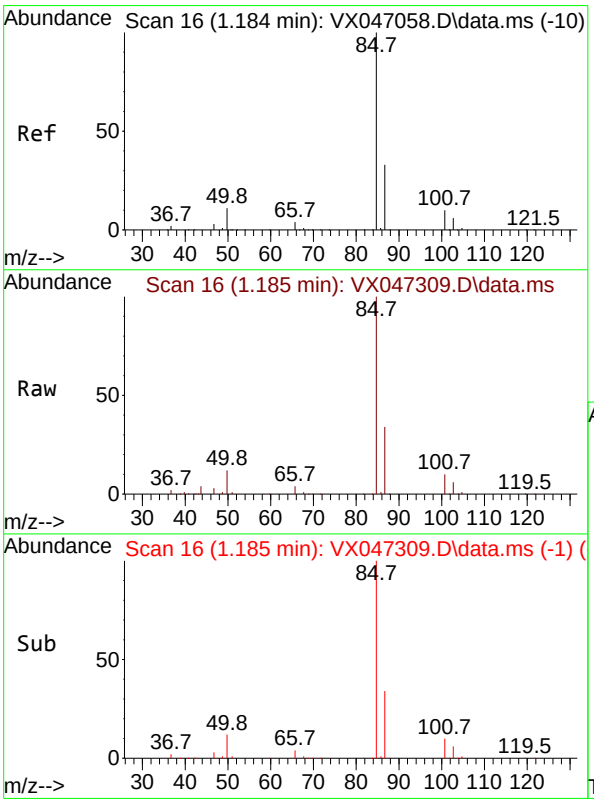
Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

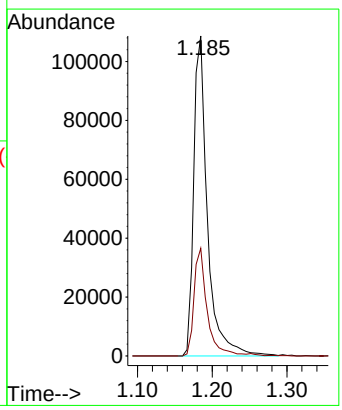
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

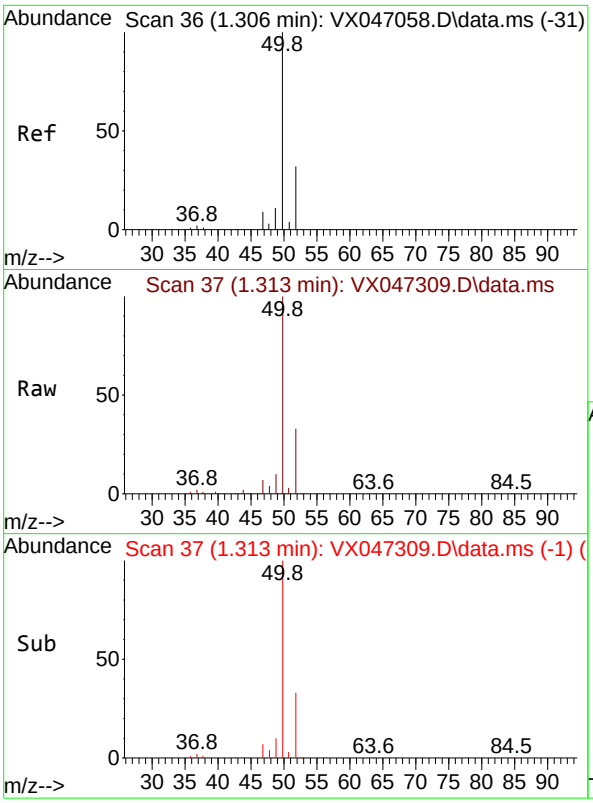


#2
Dichlorodifluoromethane
Concen: 51.465 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 85 Resp: 138397

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.6	49.8

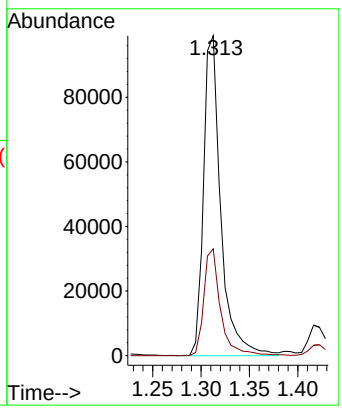




#3
Chloromethane
Concen: 46.408 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 50 Resp: 12344

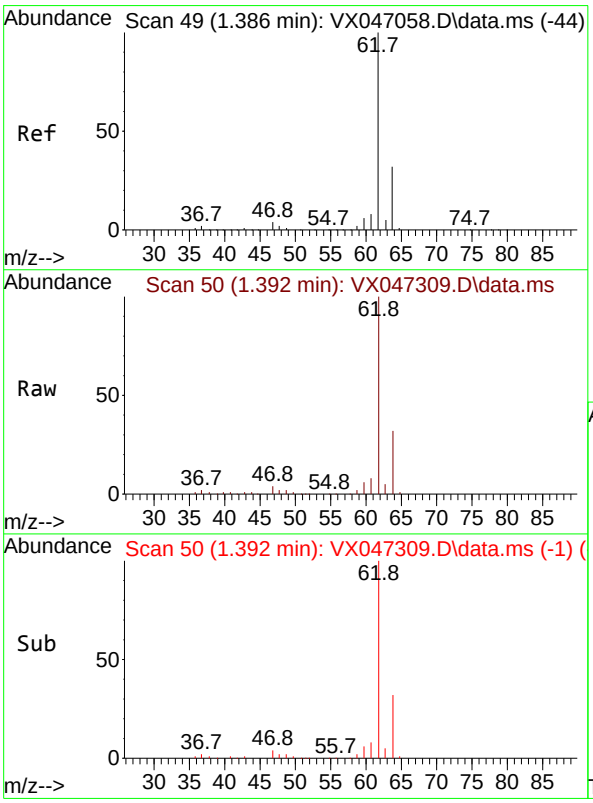
Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

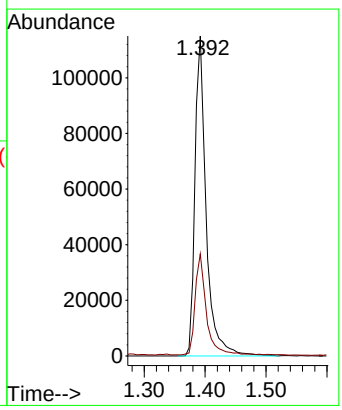
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

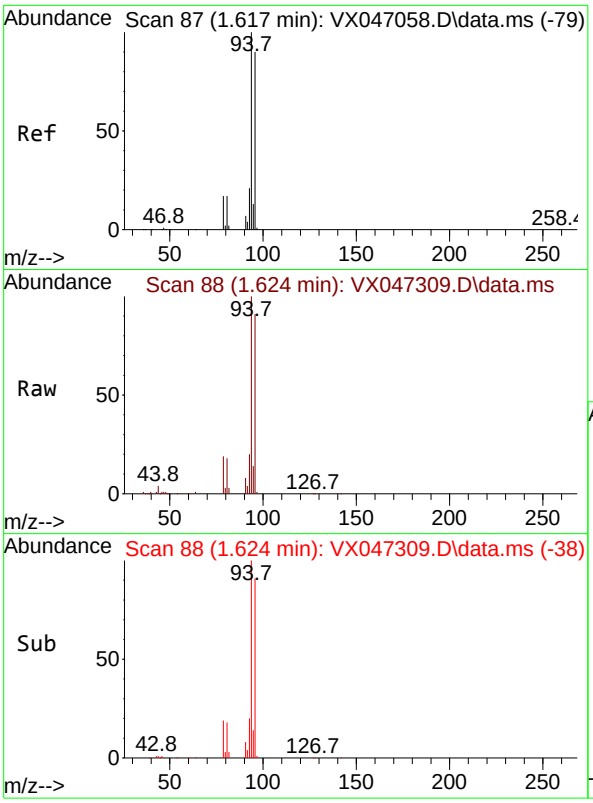


#4
Vinyl Chloride
Concen: 51.117 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 62 Resp: 146166

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.2	37.8

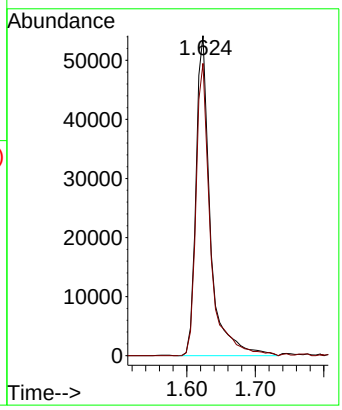




#5
Bromomethane
Concen: 50.837 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 94 Resp: 7896

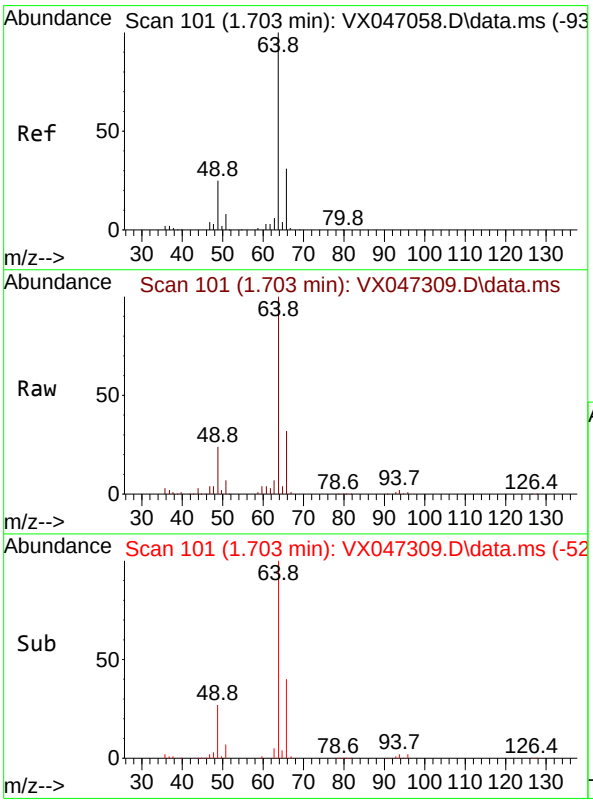
Ion	Ratio	Lower	Upper
94	100		
96	91.4	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

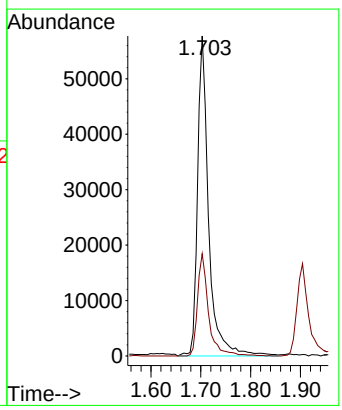
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

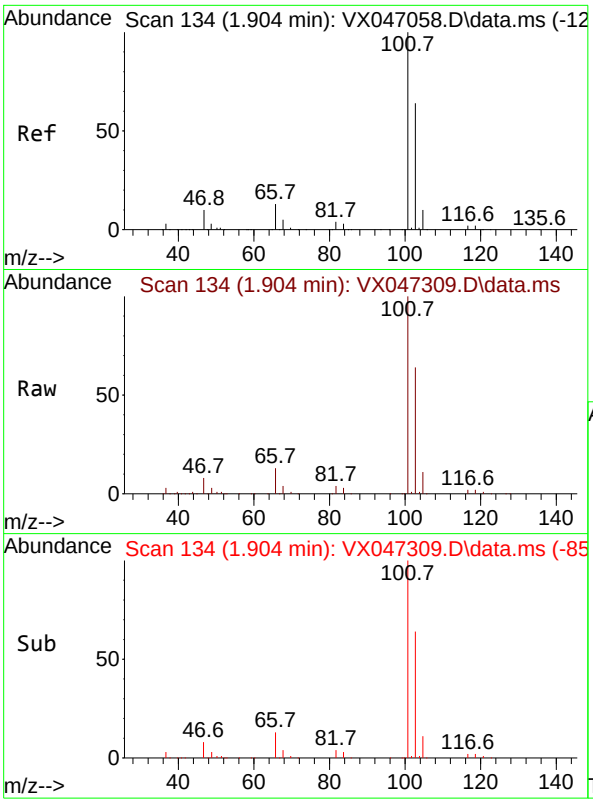


#6
Chloroethane
Concen: 47.427 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 64 Resp: 89071

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.0	37.6

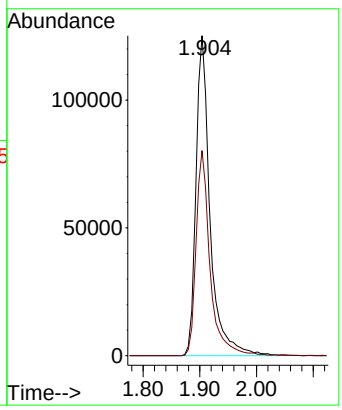




#7
Trichlorofluoromethane
Concen: 50.571 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:101 Resp: 21562

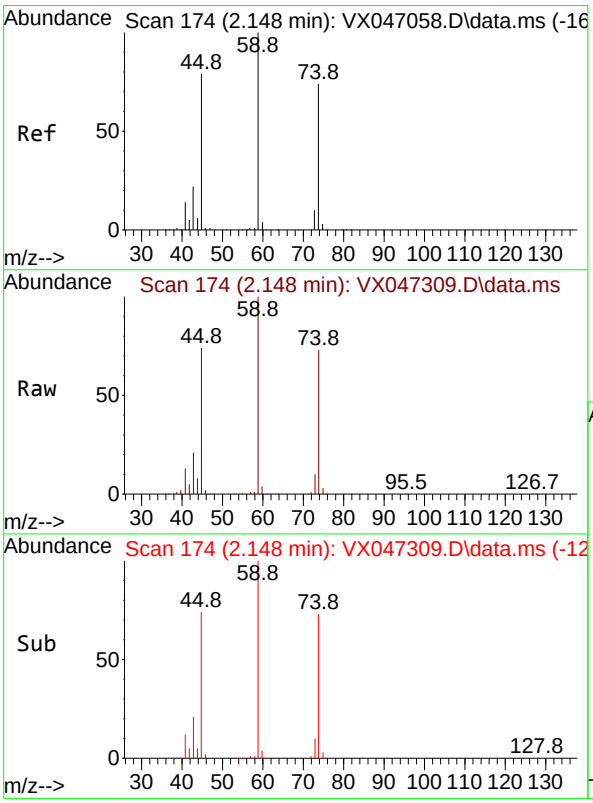
Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

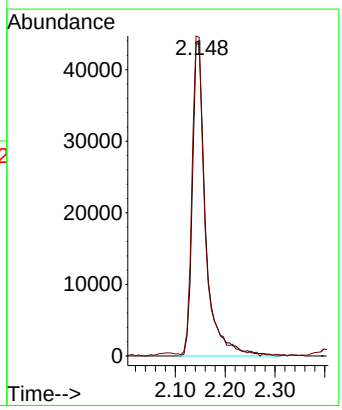
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

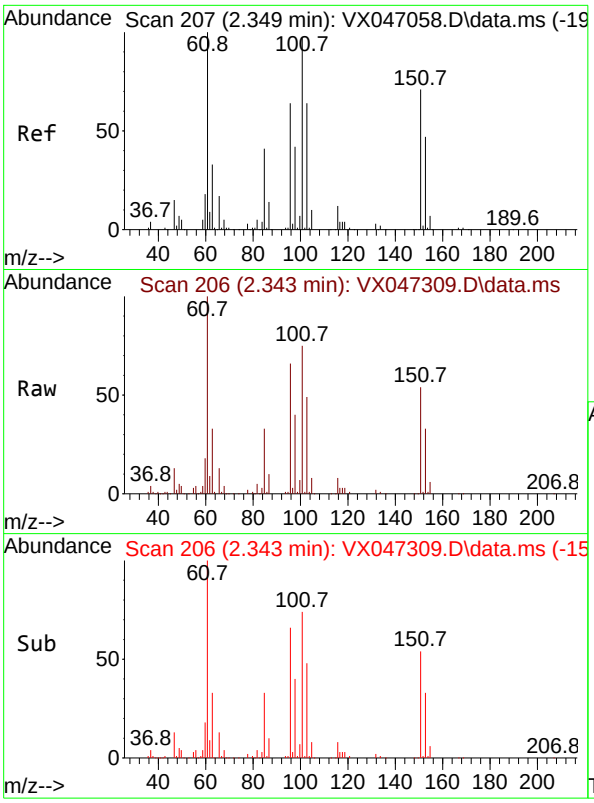


#8
Diethyl Ether
Concen: 54.146 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 74 Resp: 81402

Ion	Ratio	Lower	Upper
74	100		
45	98.7	53.0	159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.350 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

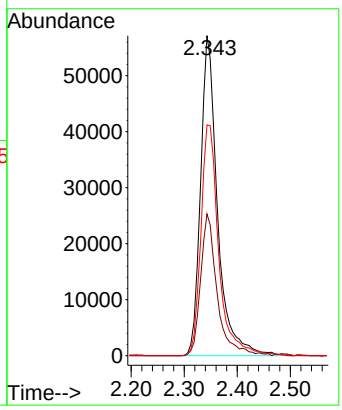
Tgt Ion:101 Resp: 12677

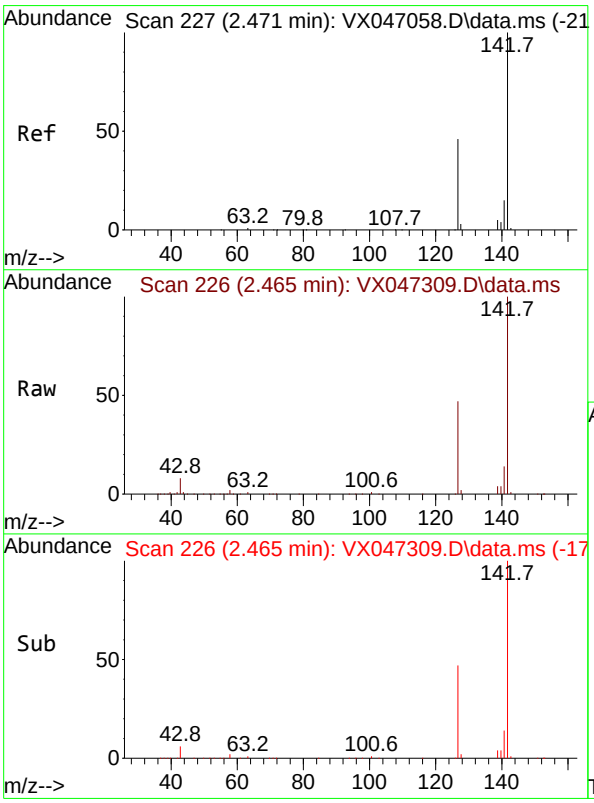
Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.4	53.0
151	75.9	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

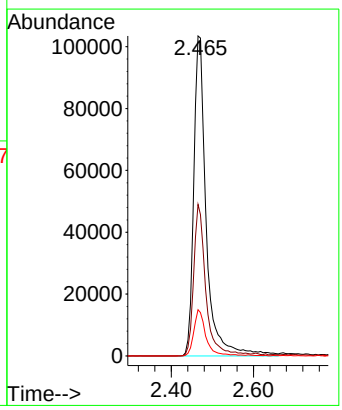


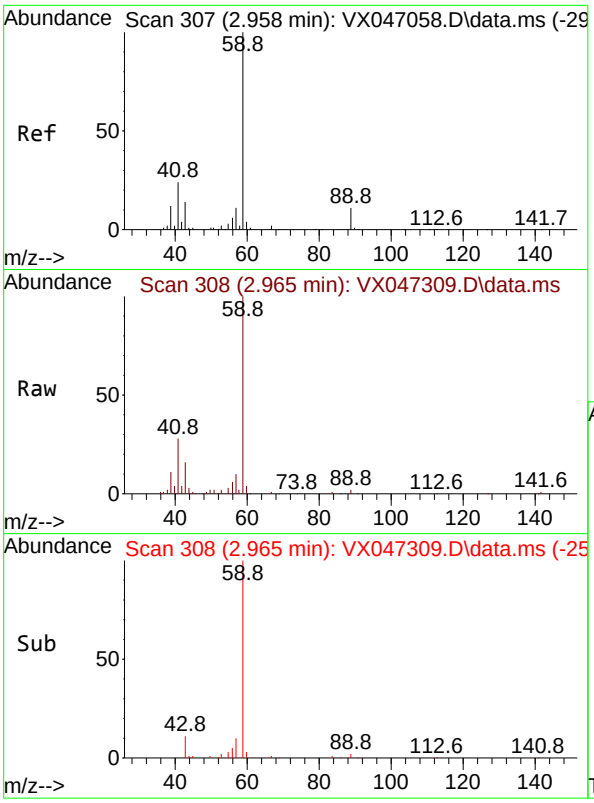


#10
Methyl Iodide
Concen: 83.845 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:142 Resp: 219512

Ion	Ratio	Lower	Upper
142	100		
127	45.8	36.6	54.8
141	13.9	10.9	16.3

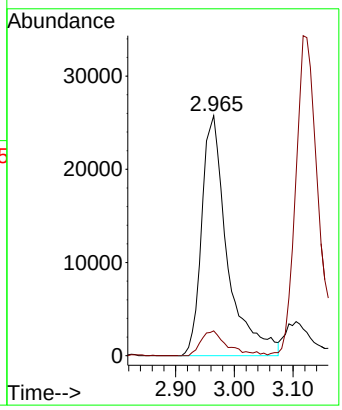




#11
Tert butyl alcohol
Concen: 266.119 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 59 Resp: 7826

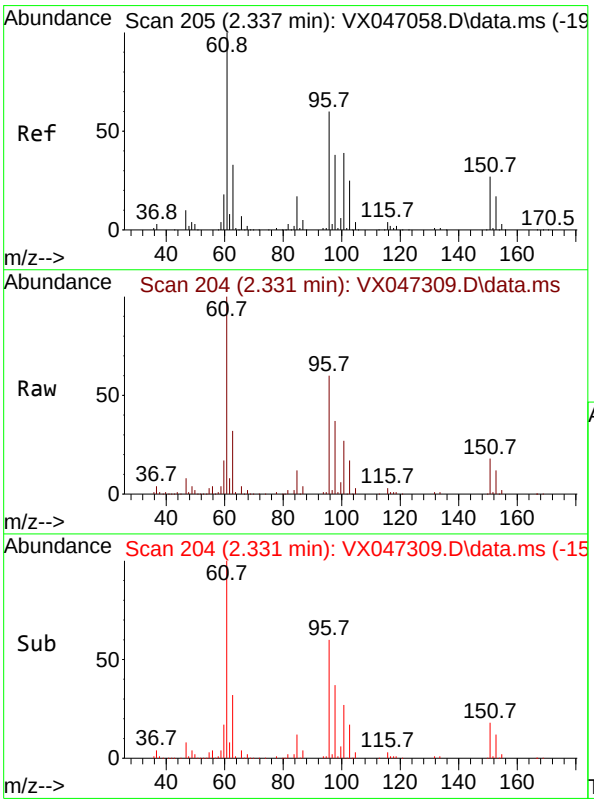
Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

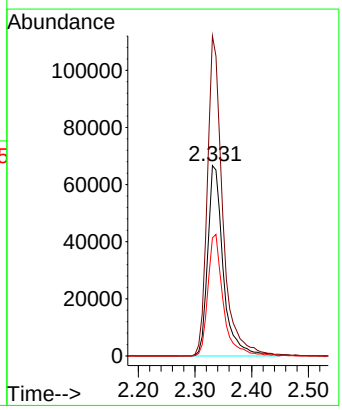
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

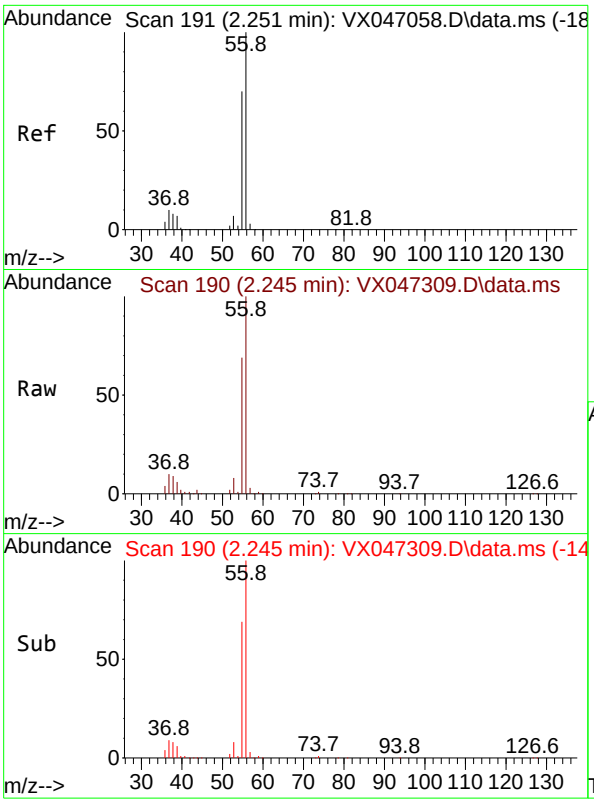


#12
1,1-Dichloroethene
Concen: 49.935 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 96 Resp: 127051

Ion	Ratio	Lower	Upper
96	100		
61	168.1	132.6	198.8
98	62.0	50.2	75.4

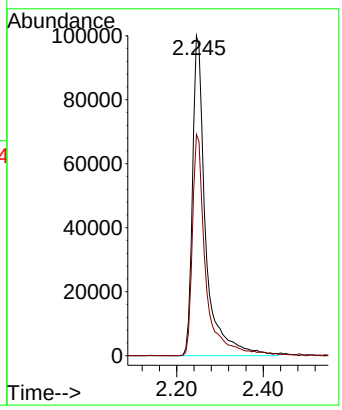




#13
Acrolein
Concen: 389.062 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 56 Resp: 21127

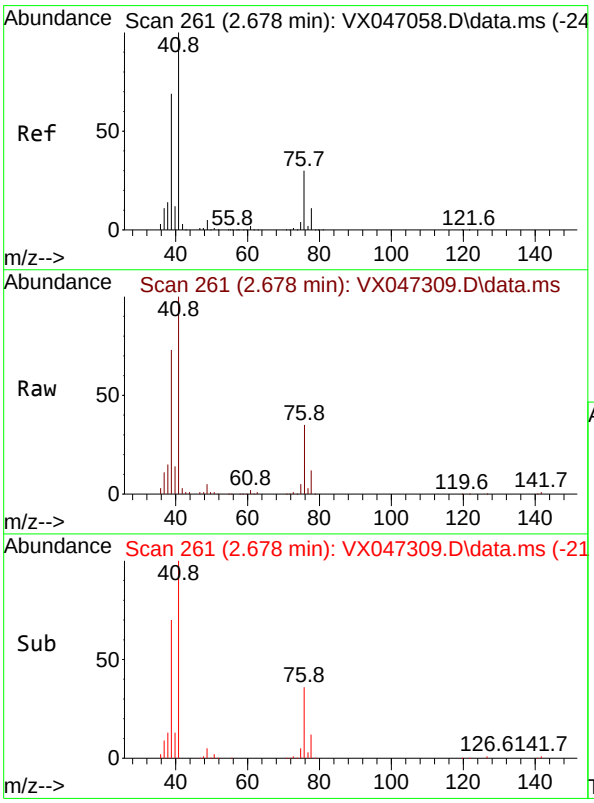
Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

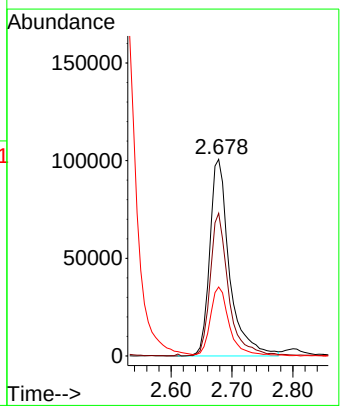
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

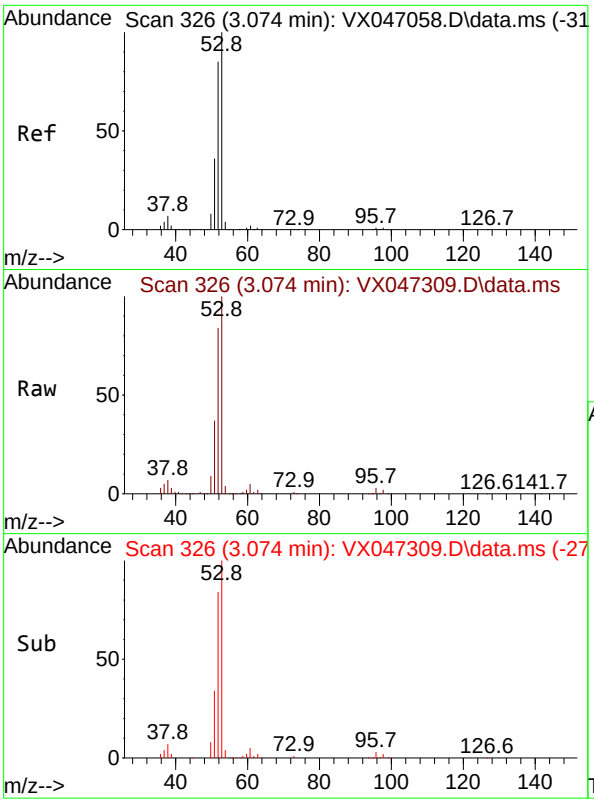


#14
Allyl chloride
Concen: 49.389 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 41 Resp: 227152

Ion	Ratio	Lower	Upper
41	100		
39	67.8	52.6	78.8
76	34.1	25.7	38.5





#15
Acrylonitrile
Concen: 280.076 ug/l
RT: 3.074 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

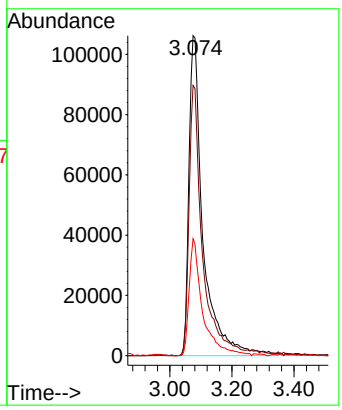
Tgt Ion: 53 Resp: 33687

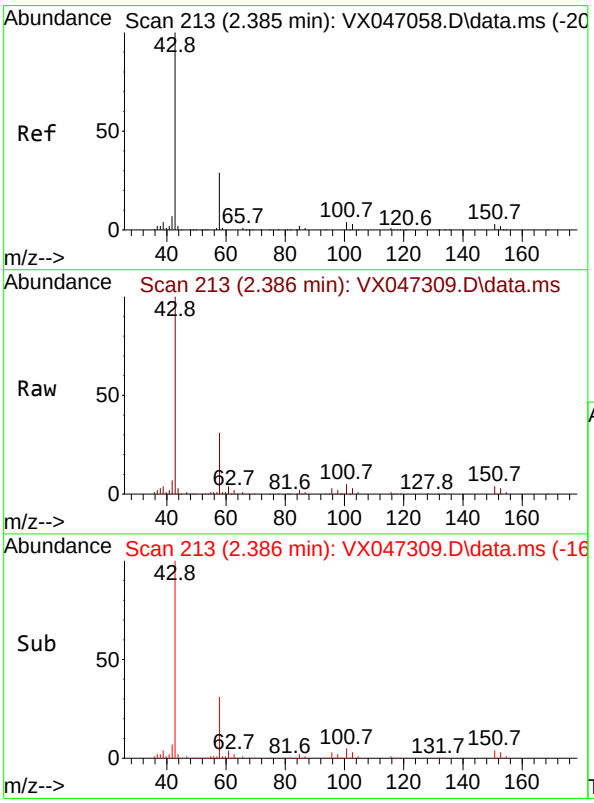
Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.7	98.5
51	35.0	28.8	43.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

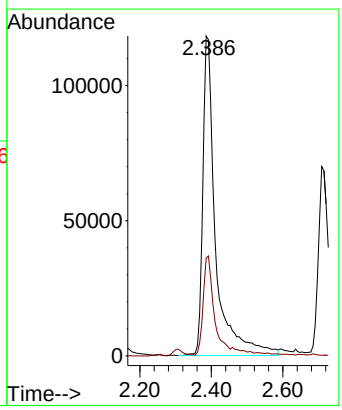


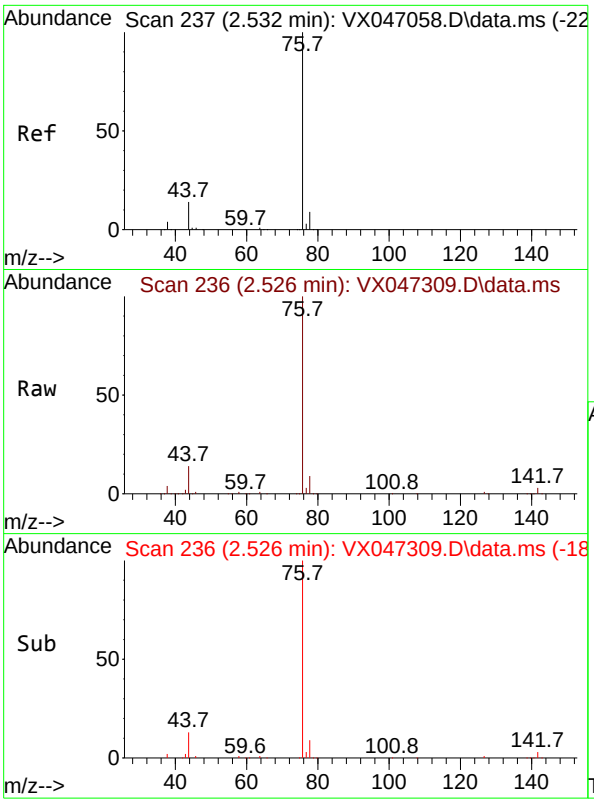


#16
Acetone
Concen: 291.855 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 43 Resp: 294865

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.0	36.0

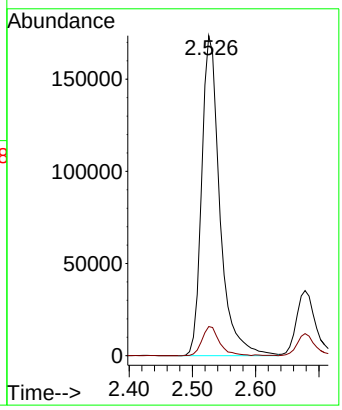




#17
Carbon Disulfide
Concen: 47.171 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 76 Resp: 34720

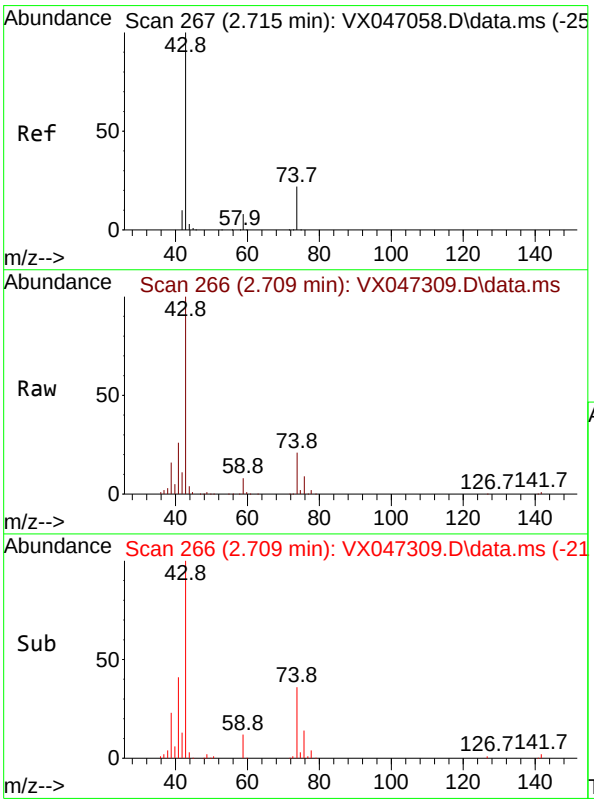
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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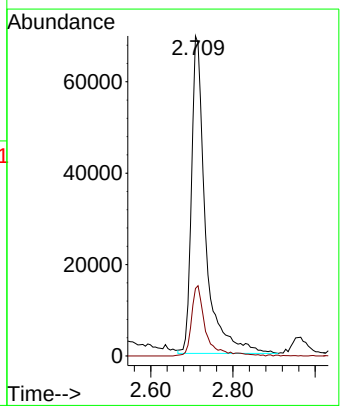
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

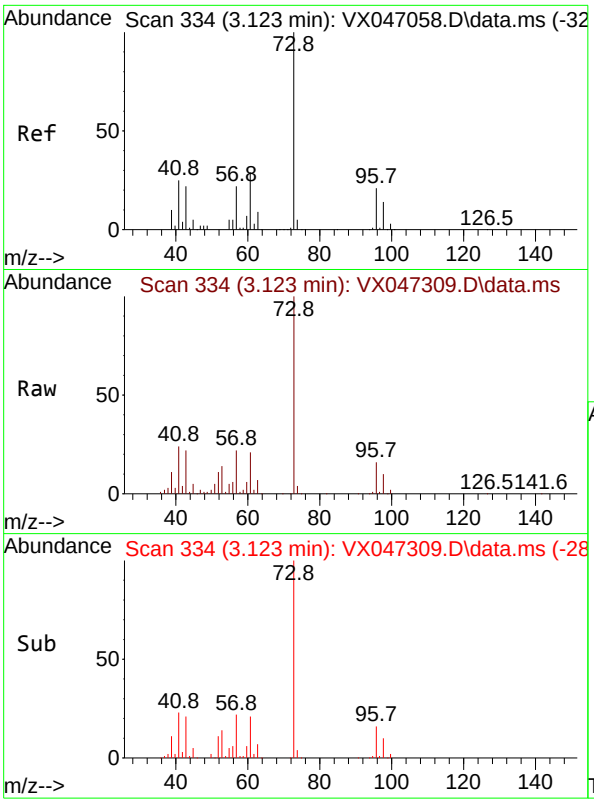


#18
Methyl Acetate
Concen: 61.331 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 43 Resp: 164668

Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.7	26.5

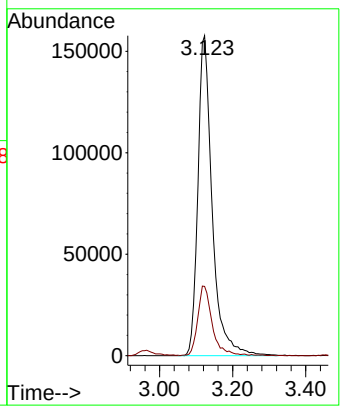




#19
Methyl tert-butyl Ether
Concen: 55.387 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 73 Resp: 42888

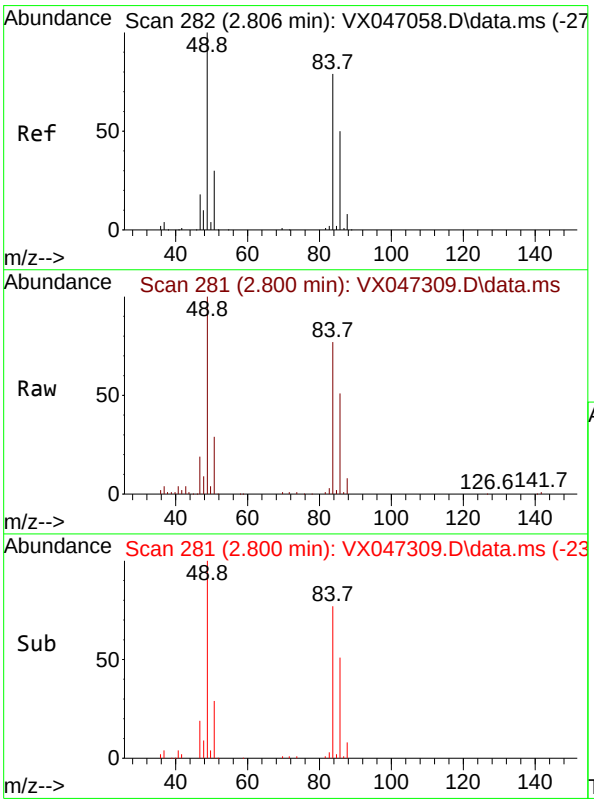
Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

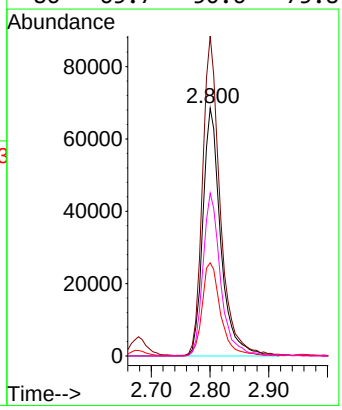
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

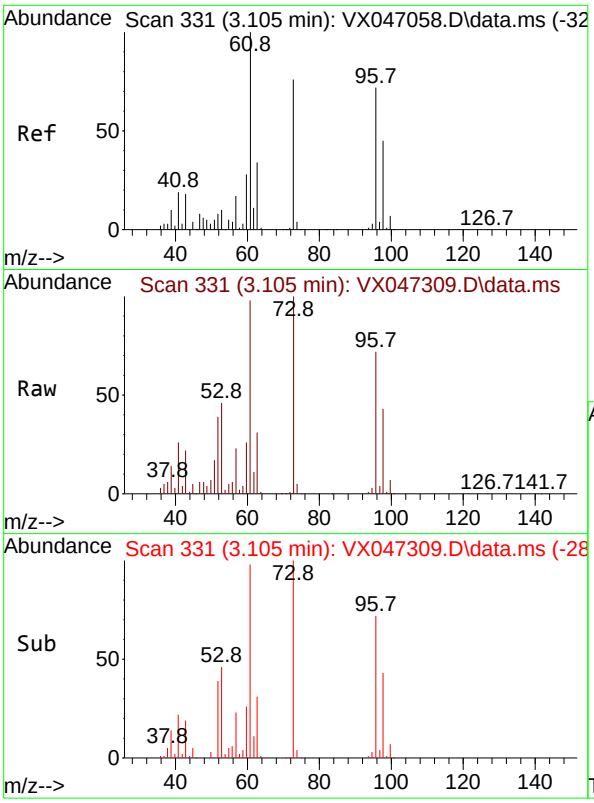


#20
Methylene Chloride
Concen: 52.043 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 84 Resp: 144651

Ion	Ratio	Lower	Upper
84	100		
49	128.8	101.6	152.4
51	37.5	30.3	45.5
86	65.7	50.6	75.8

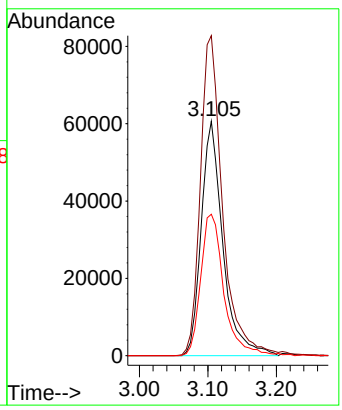




#21
trans-1,2-Dichloroethene
Concen: 51.205 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 96 Resp: 13331

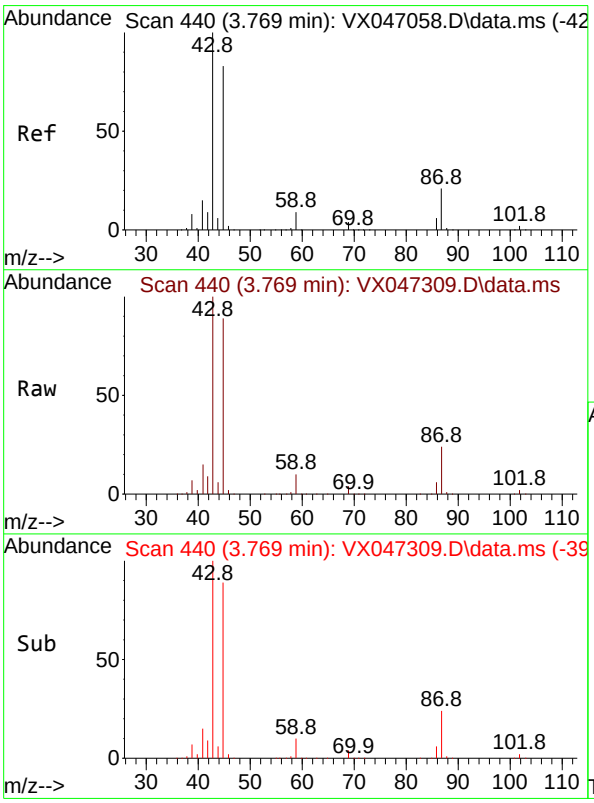
Ion	Ratio	Lower	Upper
96	100		
61	136.4	111.1	166.7
98	60.4	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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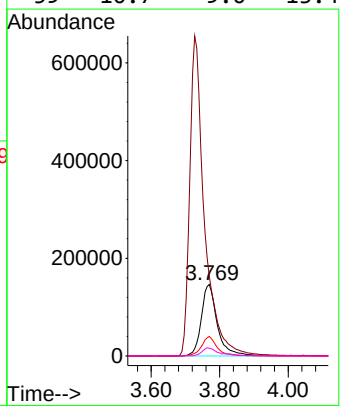
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

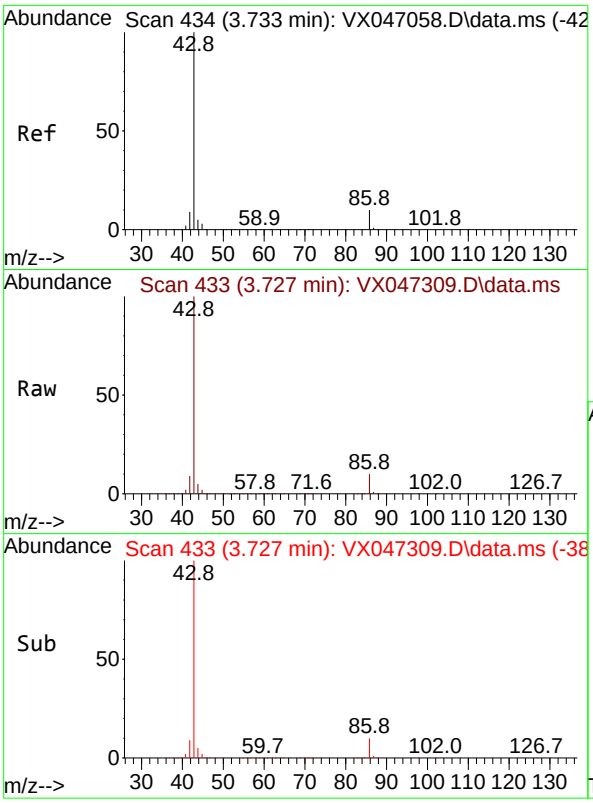


#22
Diisopropyl ether
Concen: 53.638 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 45 Resp: 474294

Ion	Ratio	Lower	Upper
45	100		
43	112.0	96.8	145.2
87	27.3	20.5	30.7
59	10.7	9.0	13.4





#23
Vinyl Acetate
Concen: 277.255 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

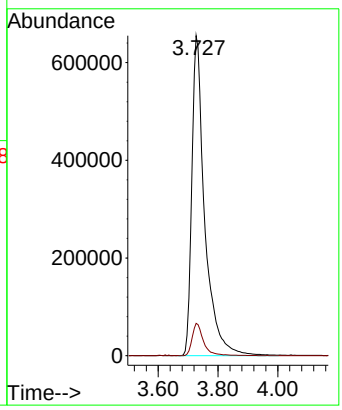
Tgt Ion: 43 Resp: 196634

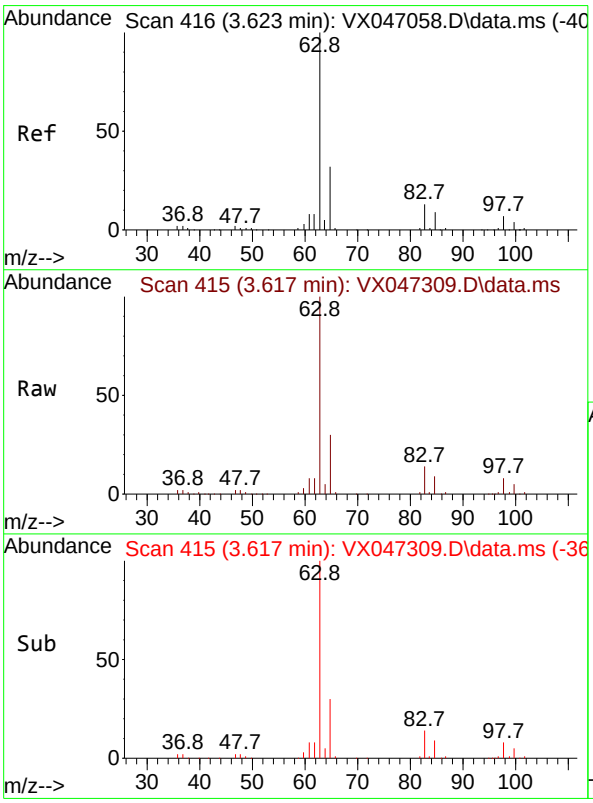
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

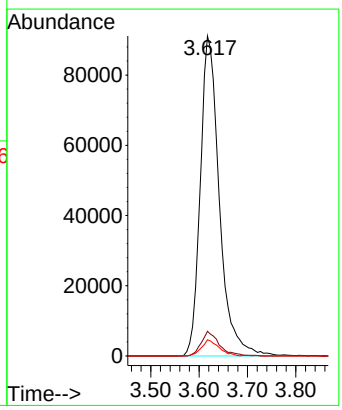


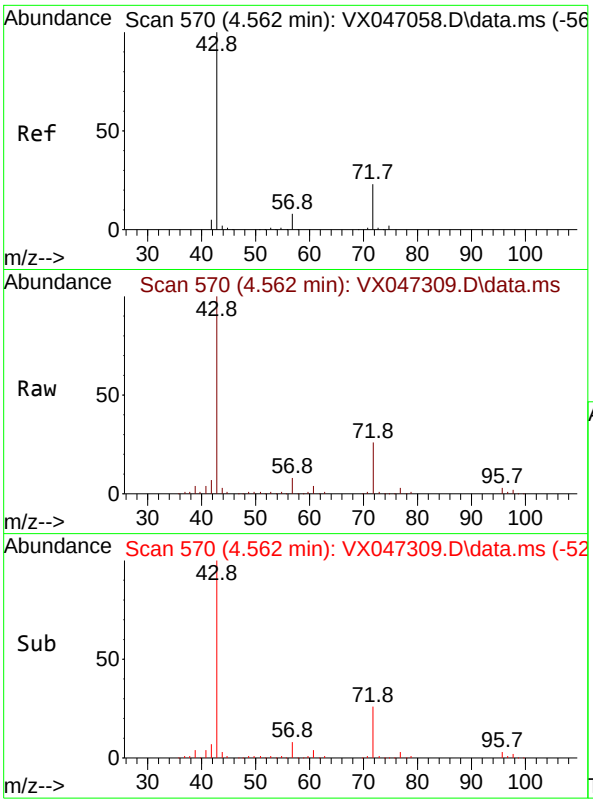


#24
1,1-Dichloroethane
Concen: 50.758 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 63 Resp: 249579

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	5.0	2.3	6.8





#25
2-Butanone
Concen: 258.198 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

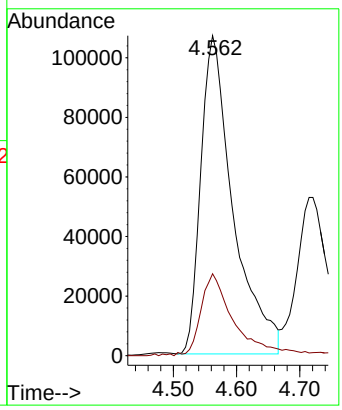
Tgt Ion: 43 Resp: 37983

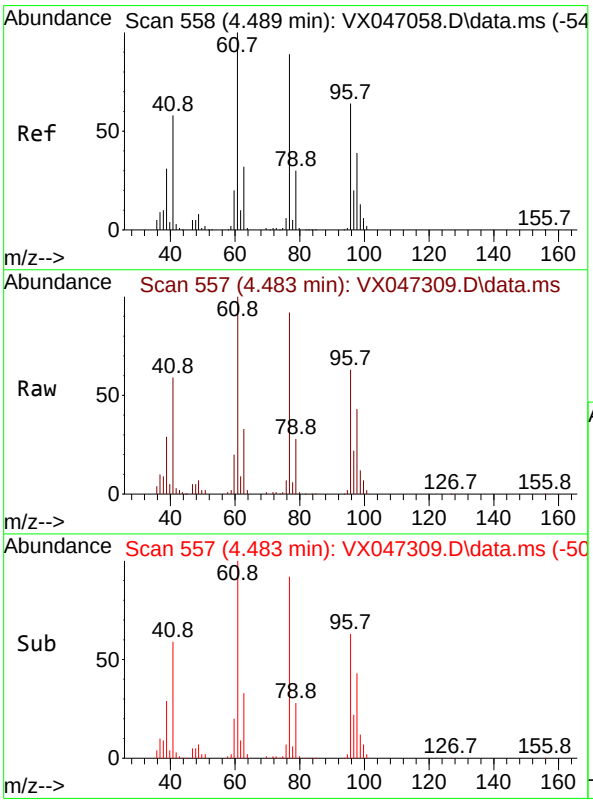
Ion	Ratio	Lower	Upper
43	100		
72	24.8	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

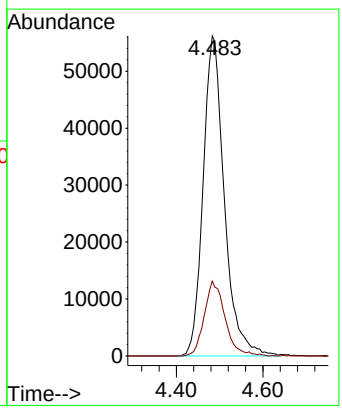


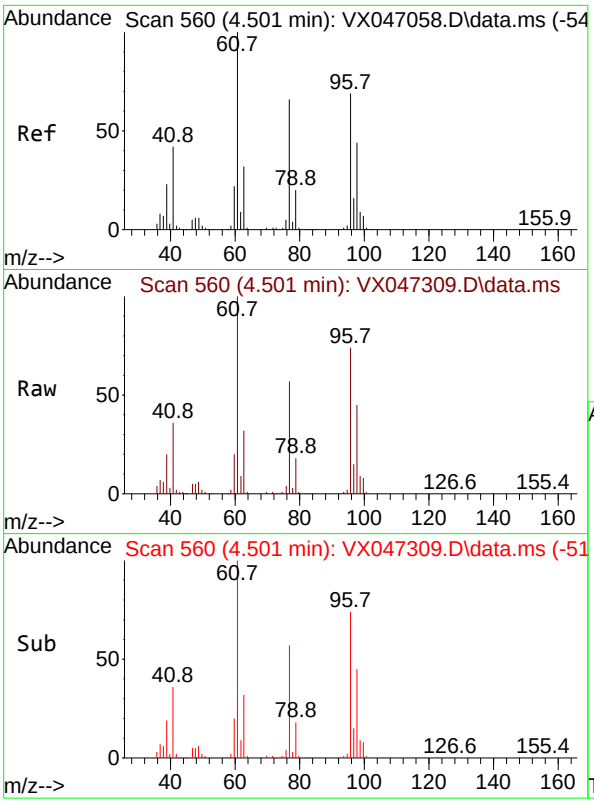


#26
2,2-Dichloropropane
Concen: 50.208 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 77 Resp: 191107

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.4	34.1

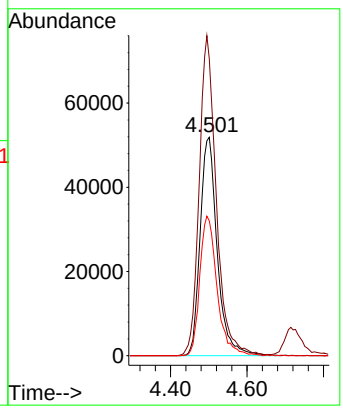




#27
cis-1,2-Dichloroethene
Concen: 52.320 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 96 Resp: 16130

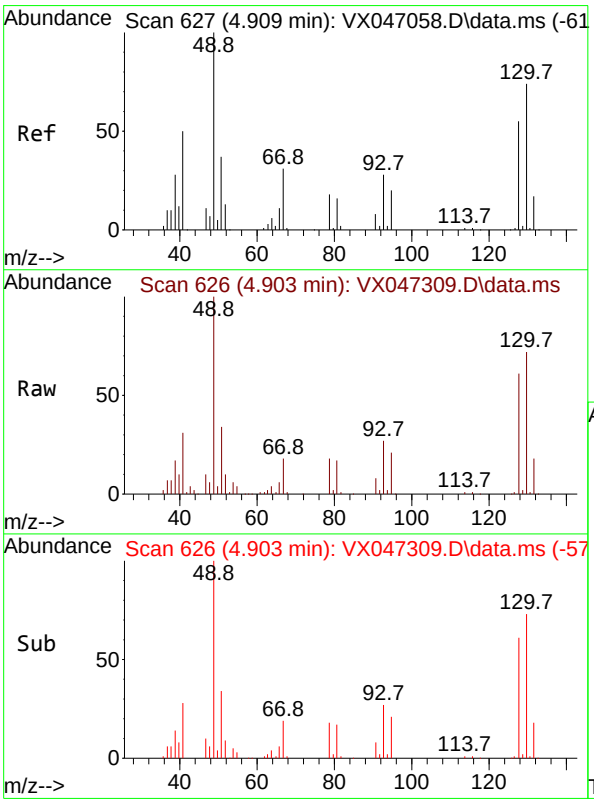
Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	298.6
98	64.5	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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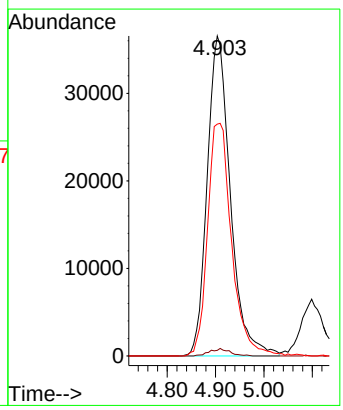
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

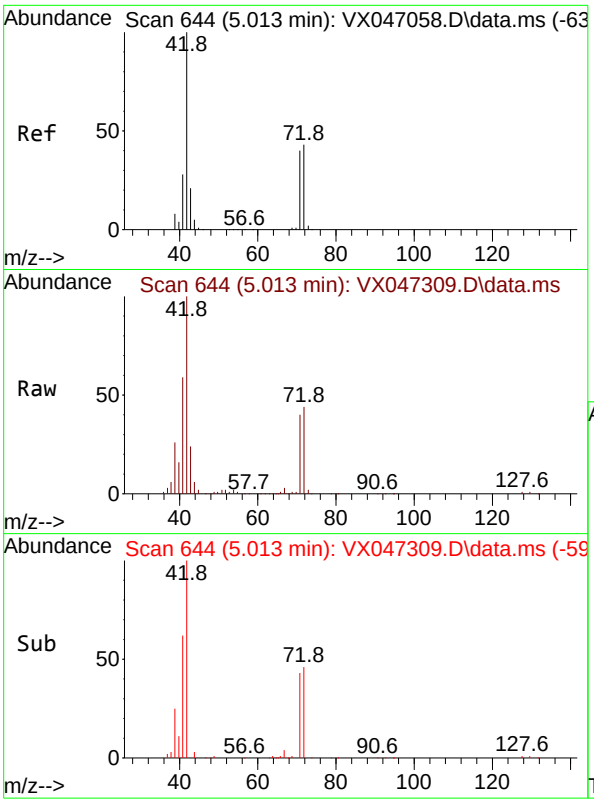


#28
Bromochloromethane
Concen: 53.820 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 49 Resp: 121750

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	75.2	59.0	88.4

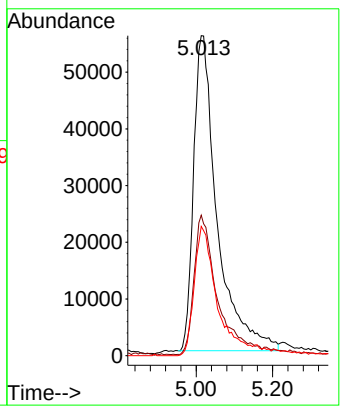




#29
Tetrahydrofuran
Concen: 250.372 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 42 Resp: 23764

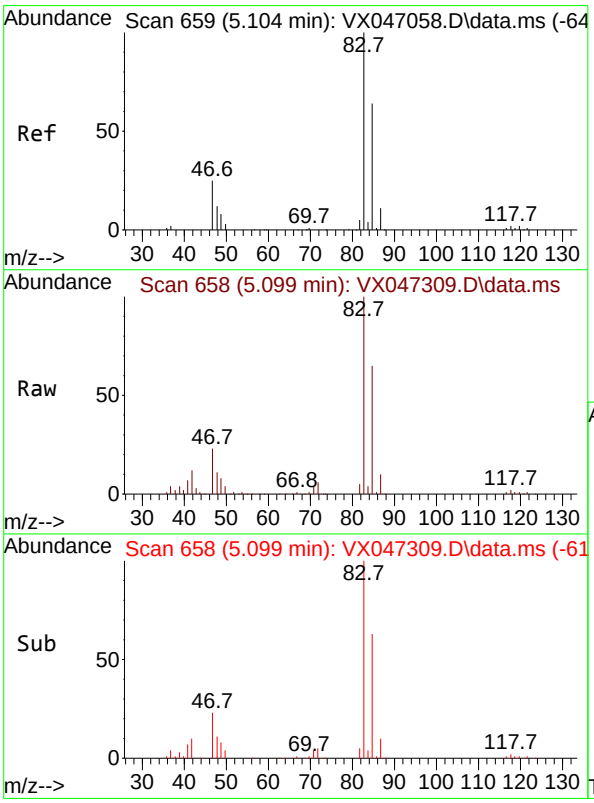
Ion	Ratio	Lower	Upper
42	100		
72	43.4	33.7	50.5
71	39.2	31.0	46.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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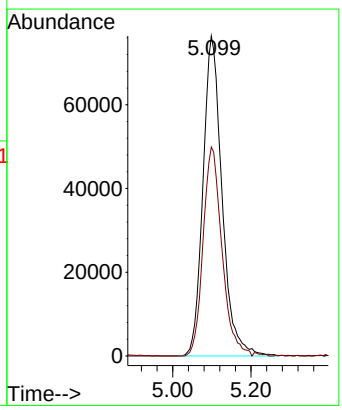
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

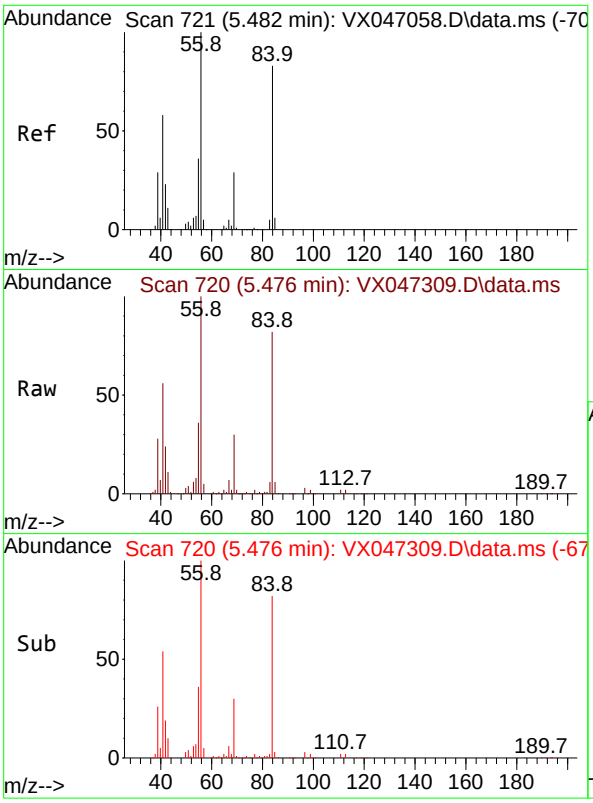


#30
Chloroform
Concen: 51.555 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 83 Resp: 258046

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.9	76.3

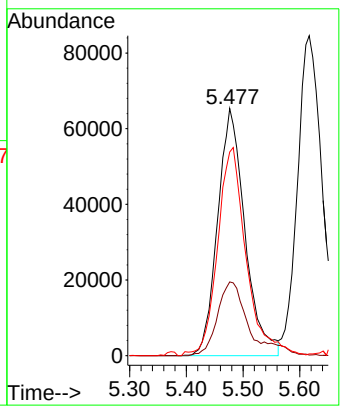




#31
Cyclohexane
Concen: 46.334 ug/l
RT: 5.476 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 56 Resp: 21844

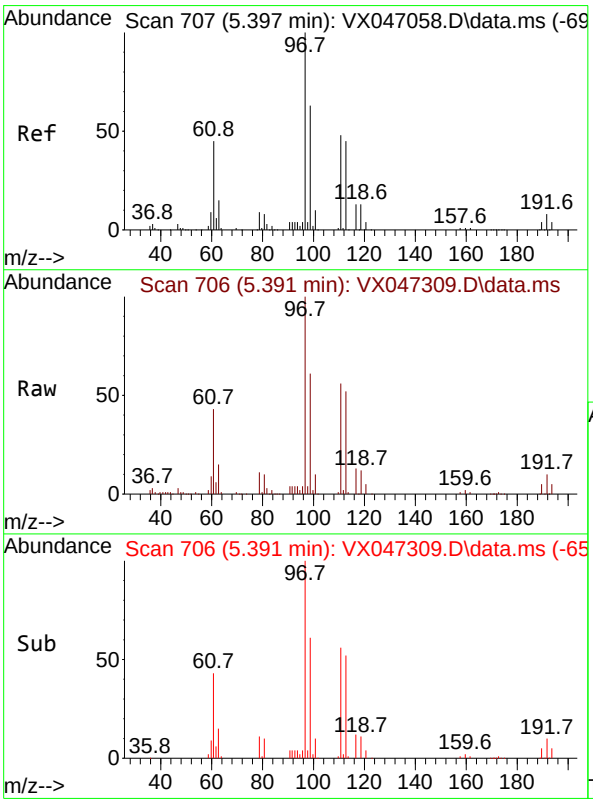
Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.3	34.9
84	82.2	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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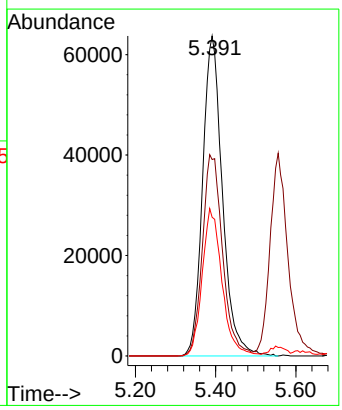
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

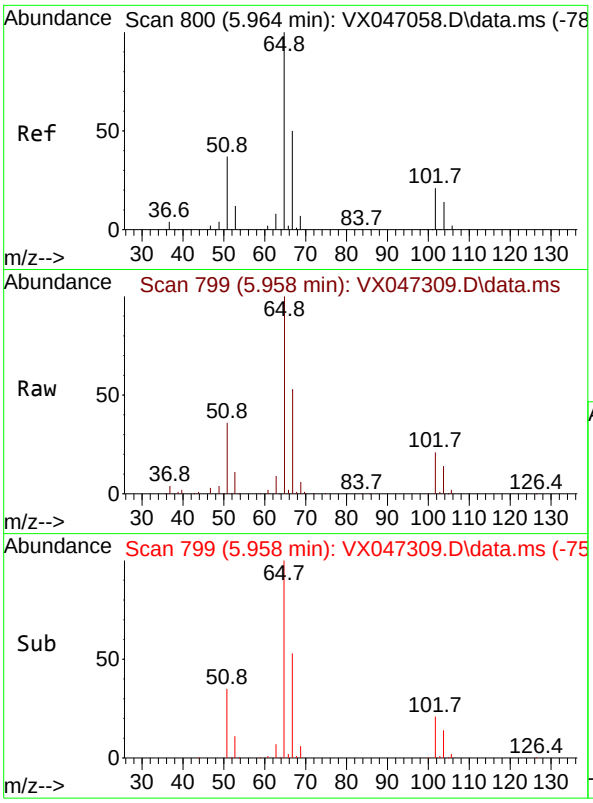


#32
1,1,1-Trichloroethane
Concen: 50.322 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 97 Resp: 218773

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	45.9	37.1	55.7

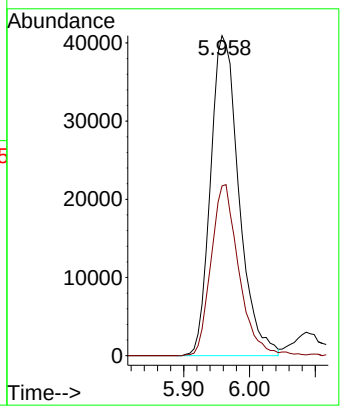




#33
1,2-Dichloroethane-d4
Concen: 48.737 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 65 Resp: 12291

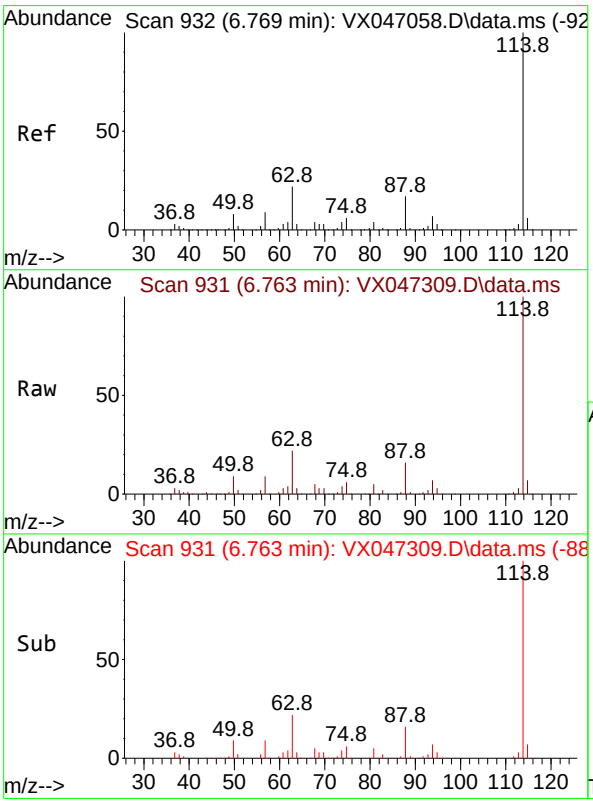
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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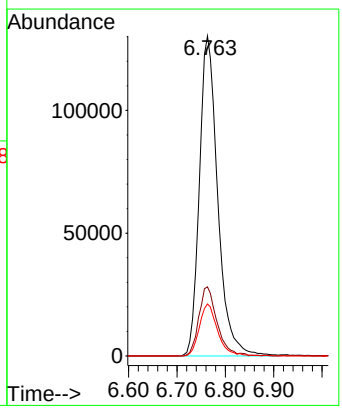
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

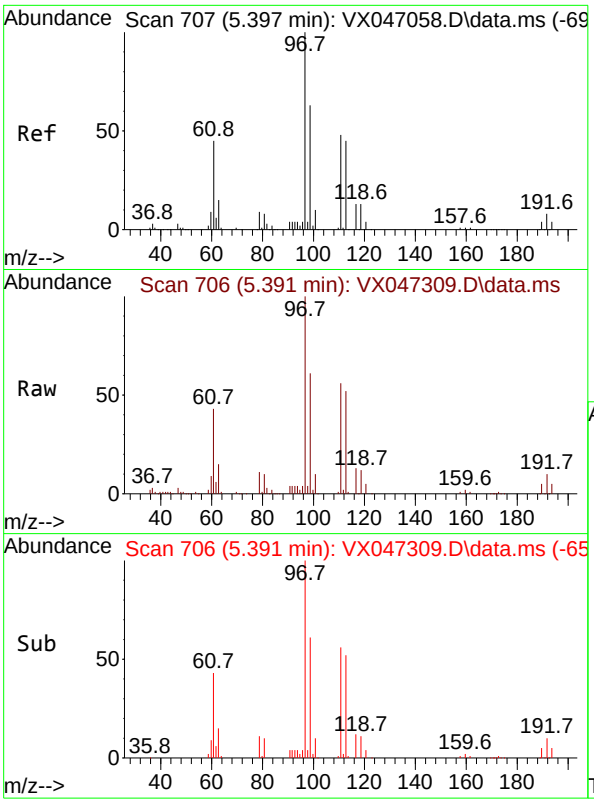


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:114 Resp: 343367

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

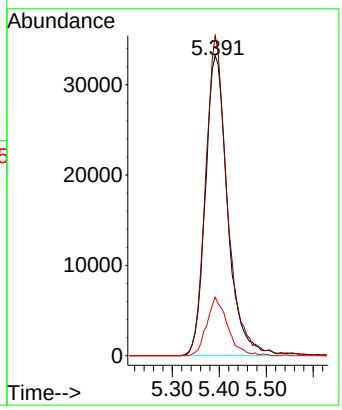




#35
Dibromofluoromethane
Concen: 51.627 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:113 Resp: 10945

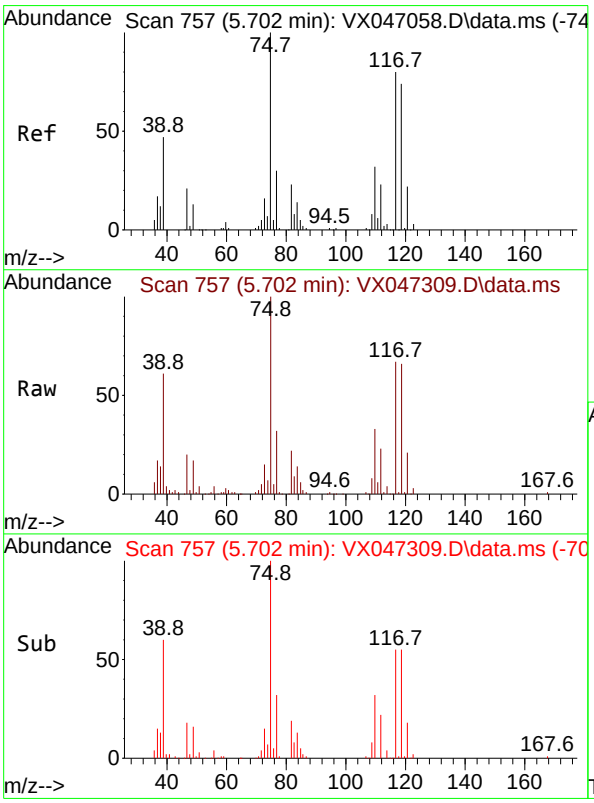
Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	124.0
192	18.2	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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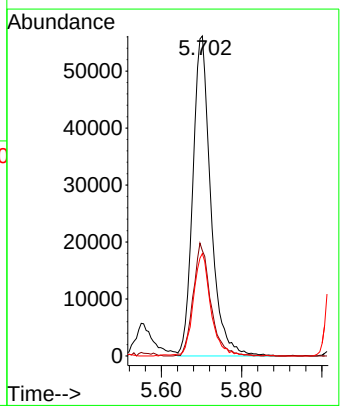
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

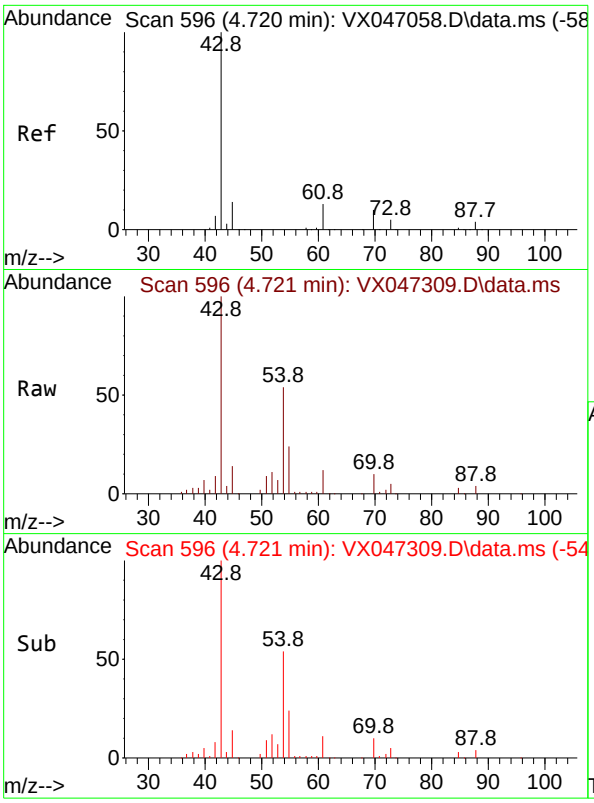


#36
1,1-Dichloropropene
Concen: 48.290 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 75 Resp: 174512

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.2	51.5
77	30.7	25.1	37.7

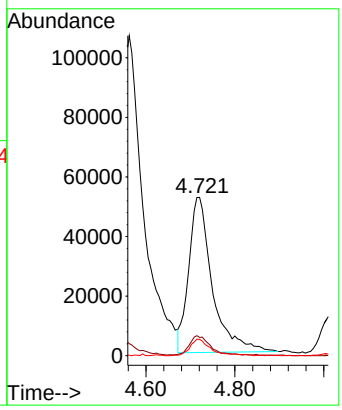




#37
Ethyl Acetate
Concen: 57.925 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 43 Resp: 19289

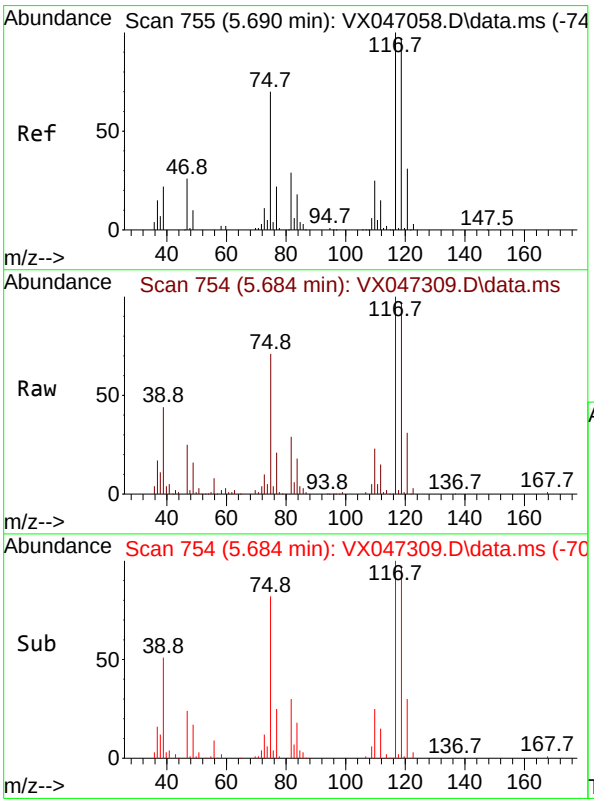
Ion	Ratio	Lower	Upper
43	100		
61	10.7	10.2	15.2
70	9.3	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

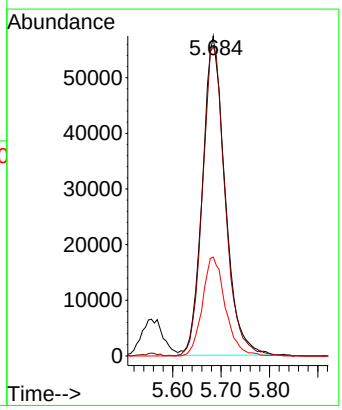
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

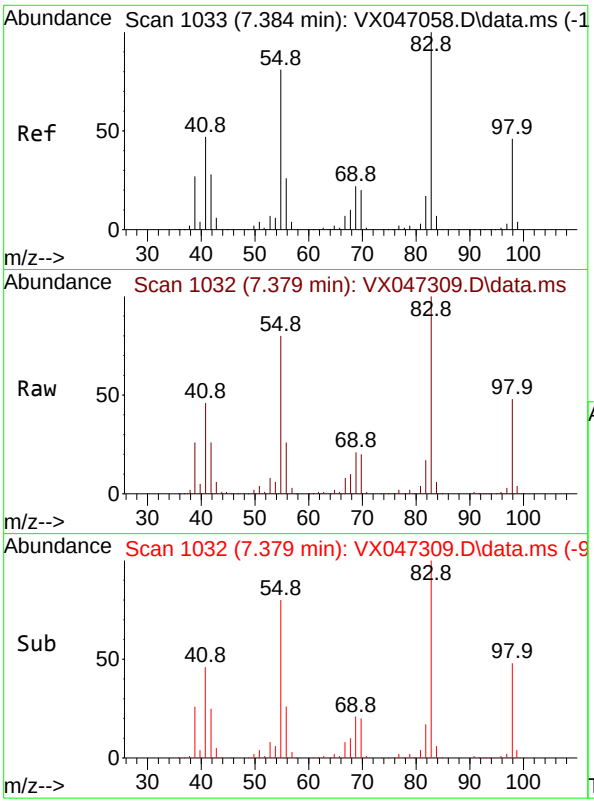


#38
Carbon Tetrachloride
Concen: 48.263 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:117 Resp: 186156

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	115.0
121	31.0	24.4	36.6

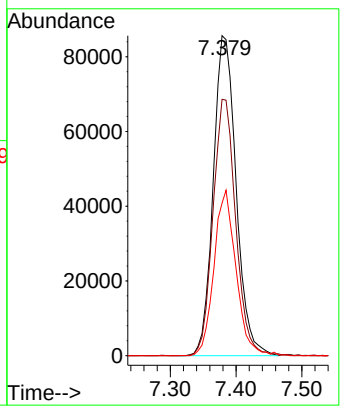




#39
Methylcyclohexane
Concen: 45.966 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 83 Resp: 20740

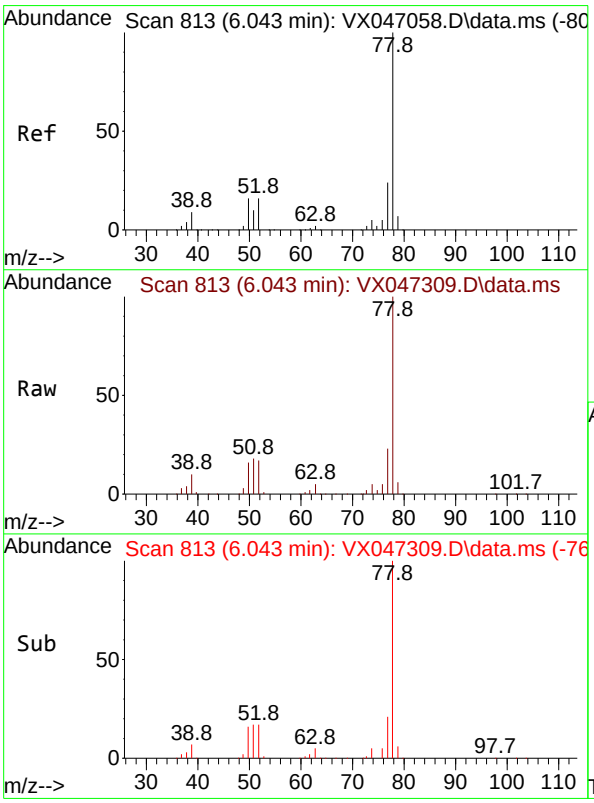
Ion	Ratio	Lower	Upper
83	100		
55	80.1	64.5	96.7
98	47.7	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

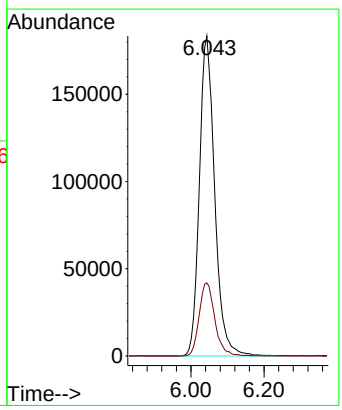
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

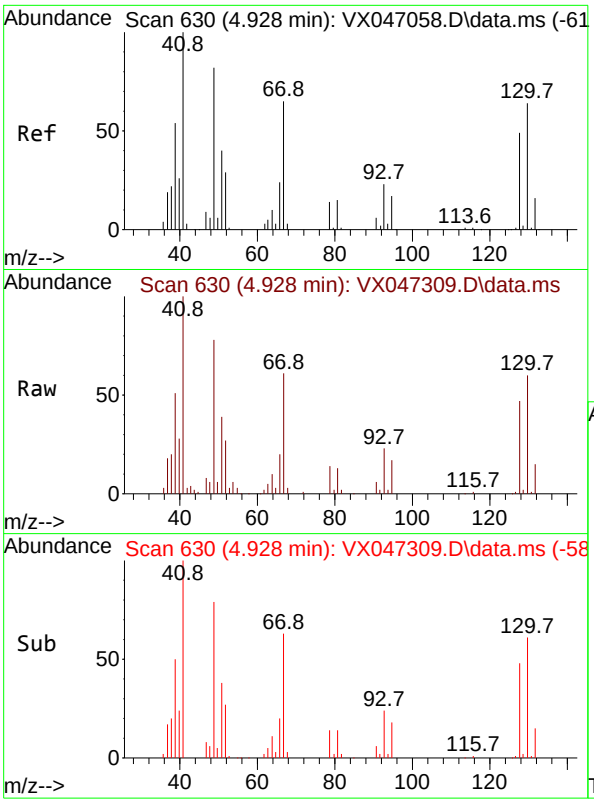


#40
Benzene
Concen: 51.034 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 78 Resp: 533739

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4

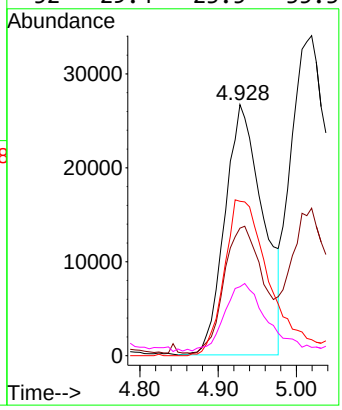




#41
Methacrylonitrile
Concen: 51.663 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 41 Resp: 8995

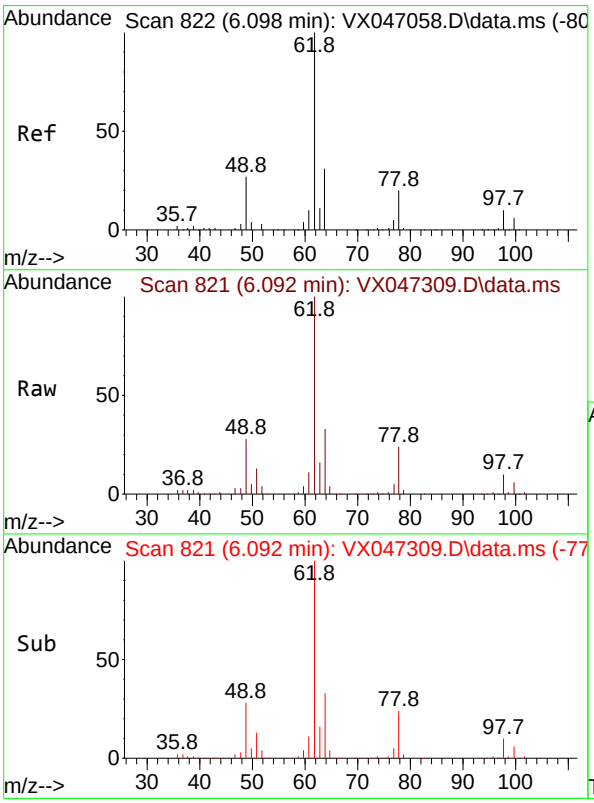
Ion	Ratio	Lower	Upper
41	100		
39	51.0	44.2	66.2
67	75.6	56.4	84.6
52	29.4	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

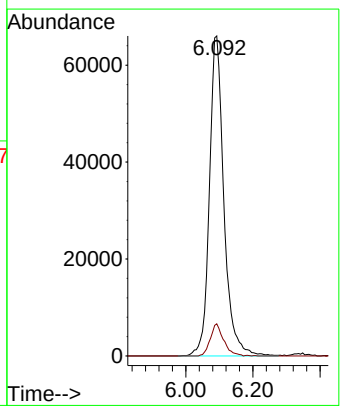
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

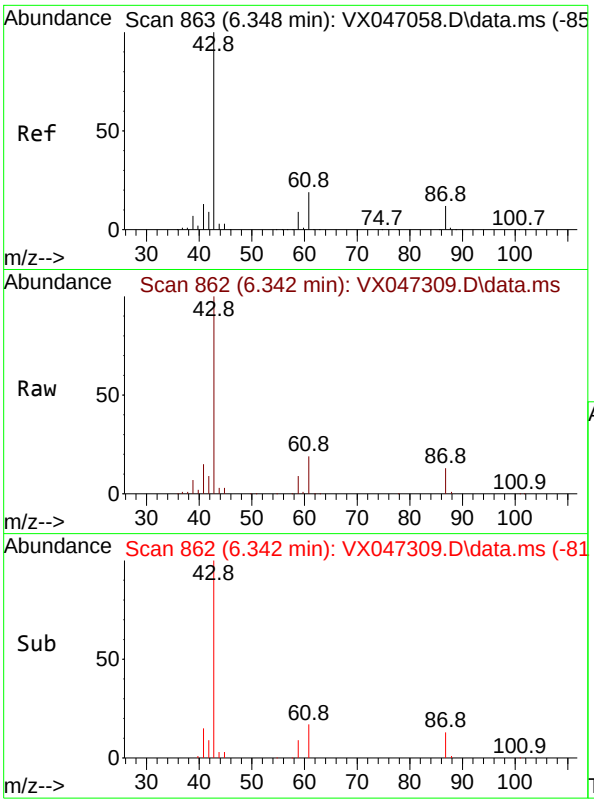


#42
1,2-Dichloroethane
Concen: 53.804 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 62 Resp: 198218

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8

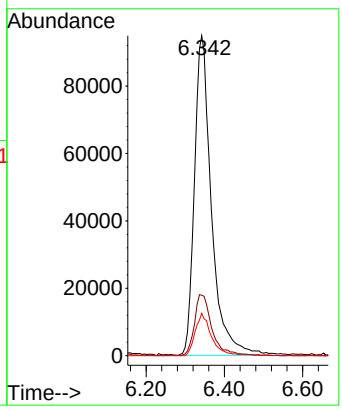




#43
Isopropyl Acetate
Concen: 55.423 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 43 Resp: 28772

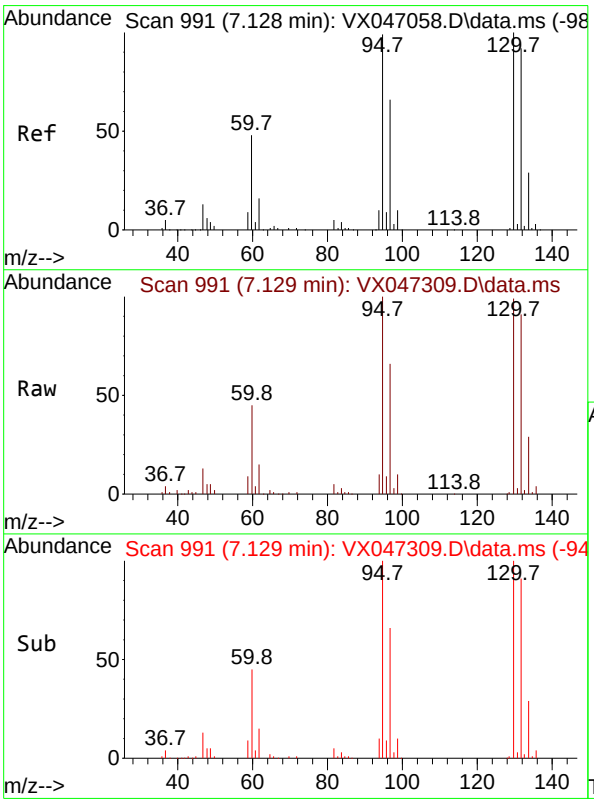
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.1	22.7
87	12.7	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

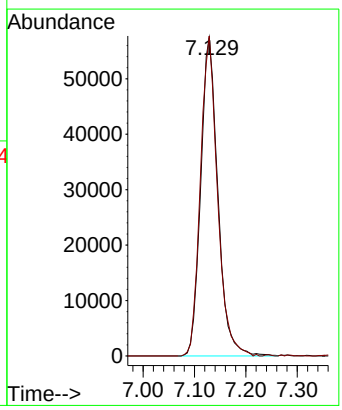
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

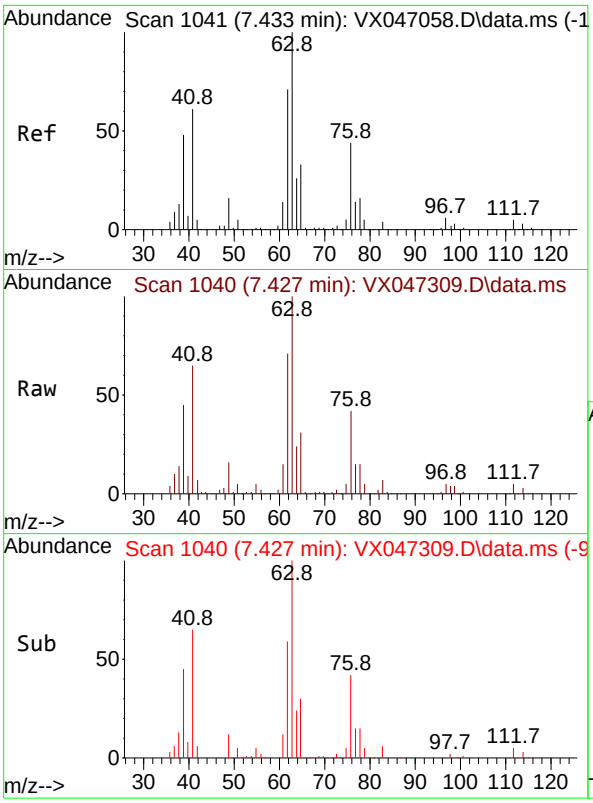


#44
Trichloroethene
Concen: 49.765 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:130 Resp: 133465

Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	198.6

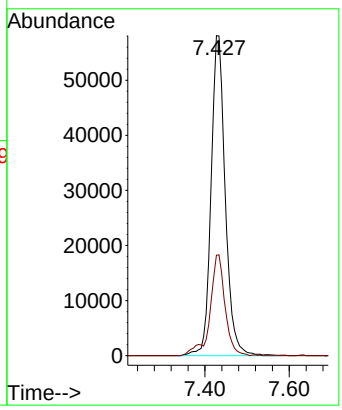




#45
1,2-Dichloropropane
Concen: 51.888 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 63 Resp: 13591

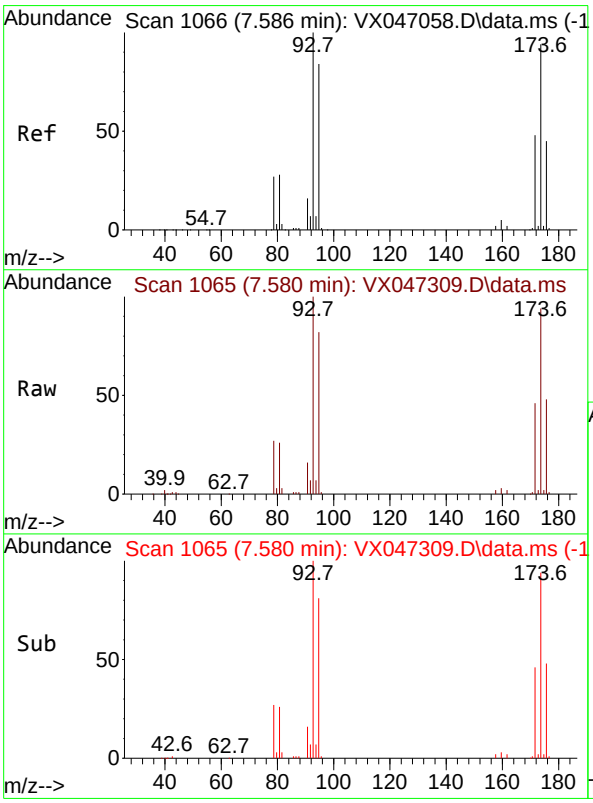
Ion	Ratio	Lower	Upper
63	100		
65	31.4	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

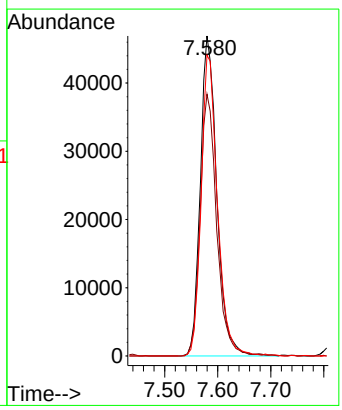
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

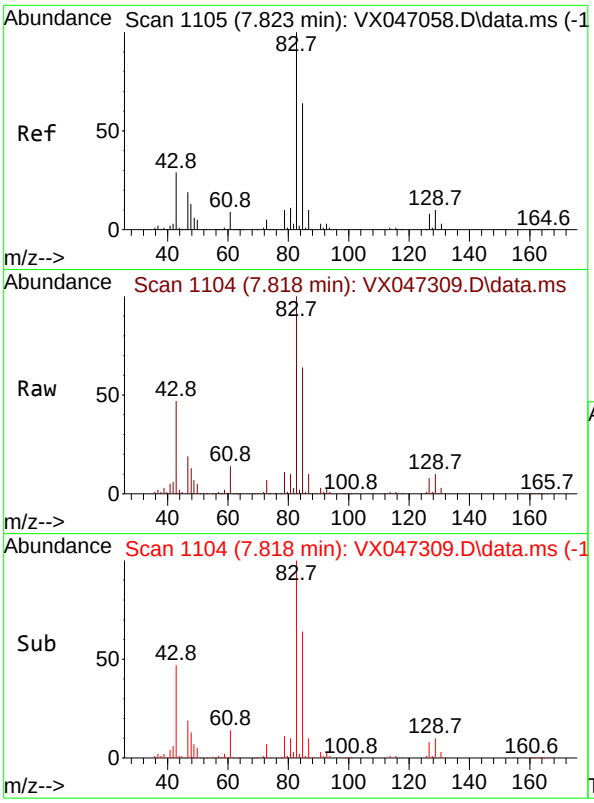


#46
Dibromomethane
Concen: 55.078 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 93 Resp: 101172

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.9	98.9
174	93.1	74.6	112.0

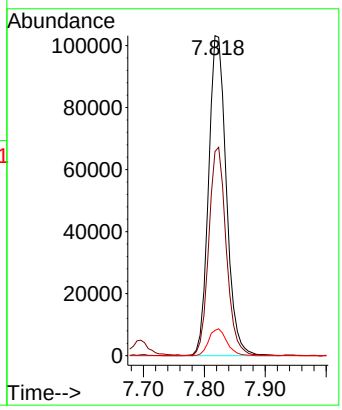




#47
Bromodichloromethane
Concen: 53.254 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

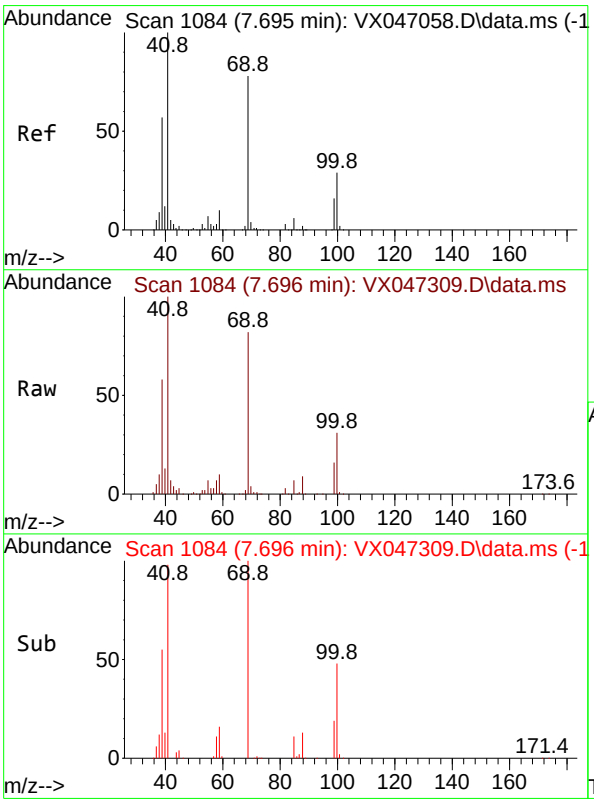
Tgt Ion: 83 Resp: 20821

Ion	Ratio	Lower	Upper
83	100		
85	63.7	49.9	74.9
127	7.9	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

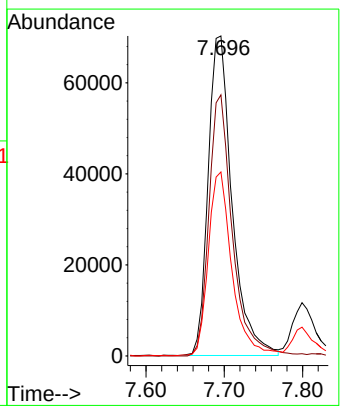
Manual Integrations APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

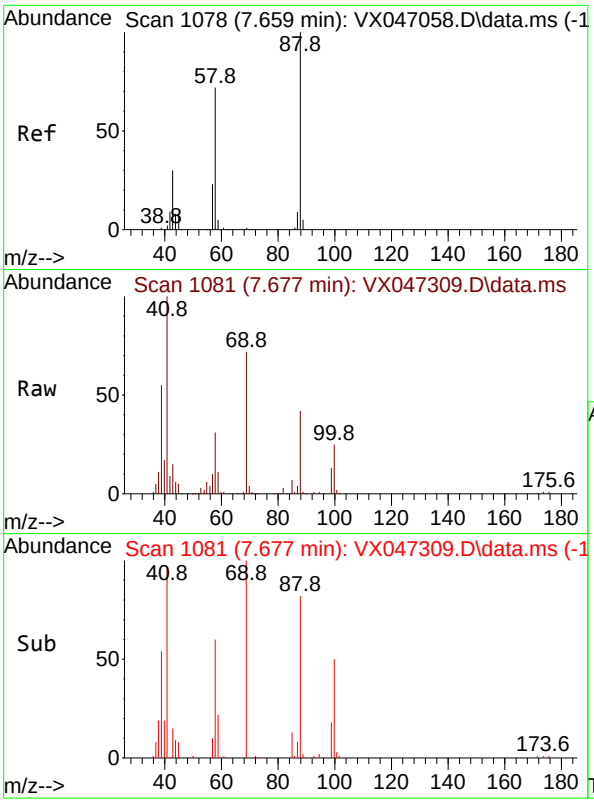


#48
Methyl methacrylate
Concen: 52.829 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 41 Resp: 149404

Ion	Ratio	Lower	Upper
41	100		
69	80.0	62.3	93.5
39	56.7	44.8	67.2

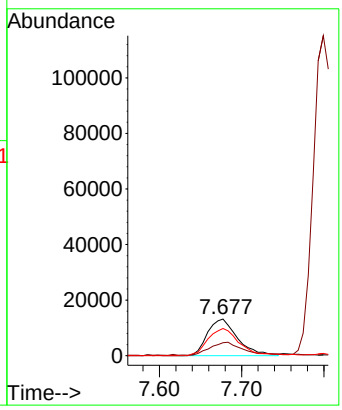




#49
1,4-Dioxane
Concen: 1042.543 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

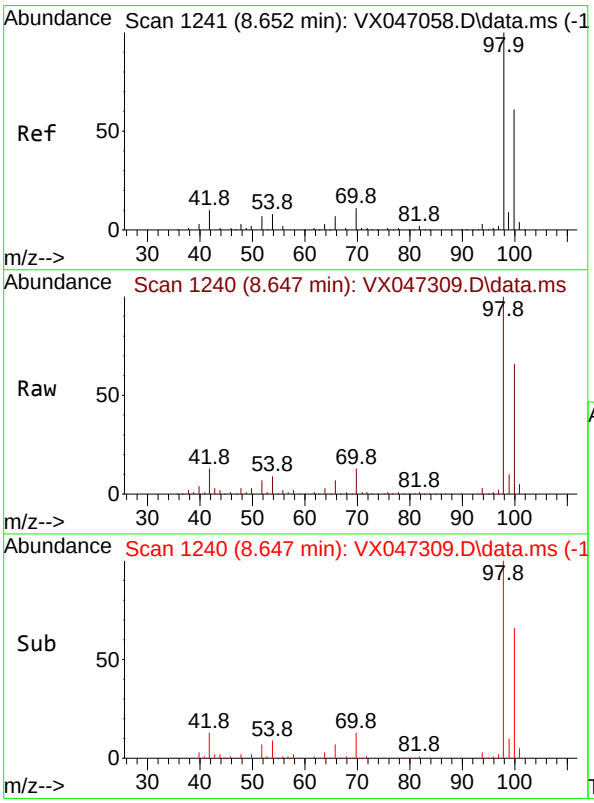
Tgt Ion: 88 Resp: 3353

Ion	Ratio	Lower	Upper
88	100		
43	38.0	33.6	50.4
58	78.7	58.8	88.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

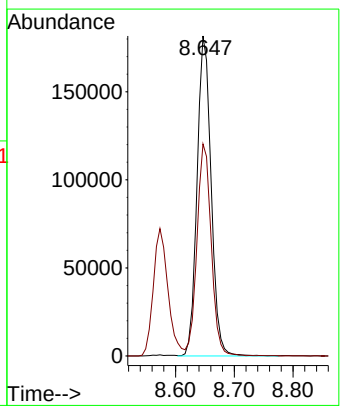
Manual Integrations APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

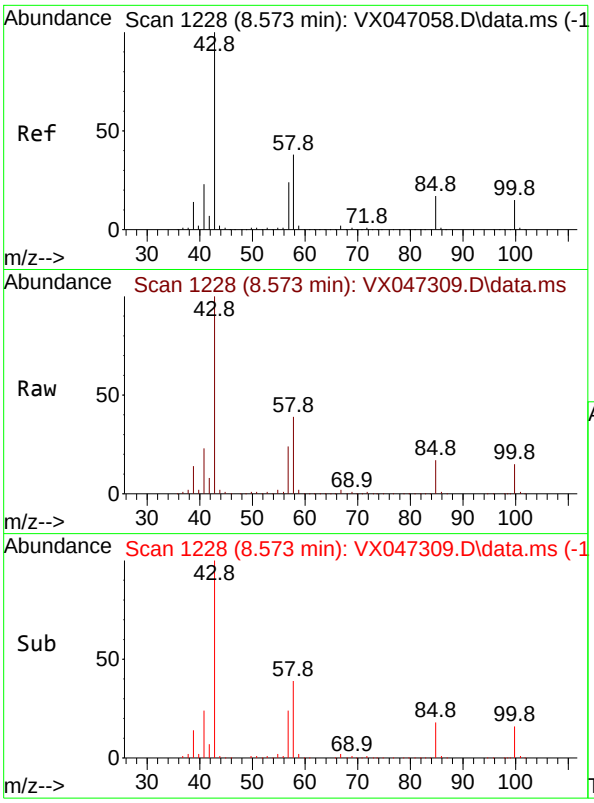


#50
Toluene-d8
Concen: 43.990 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 98 Resp: 302023

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.3	79.9

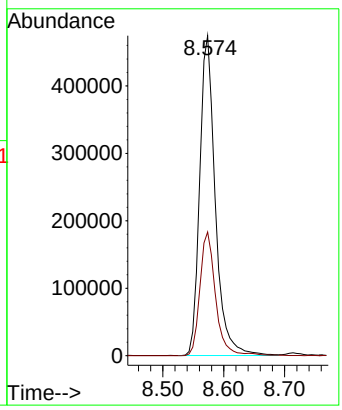




#51
4-Methyl-2-Pentanone
Concen: 274.116 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 43 Resp: 84583

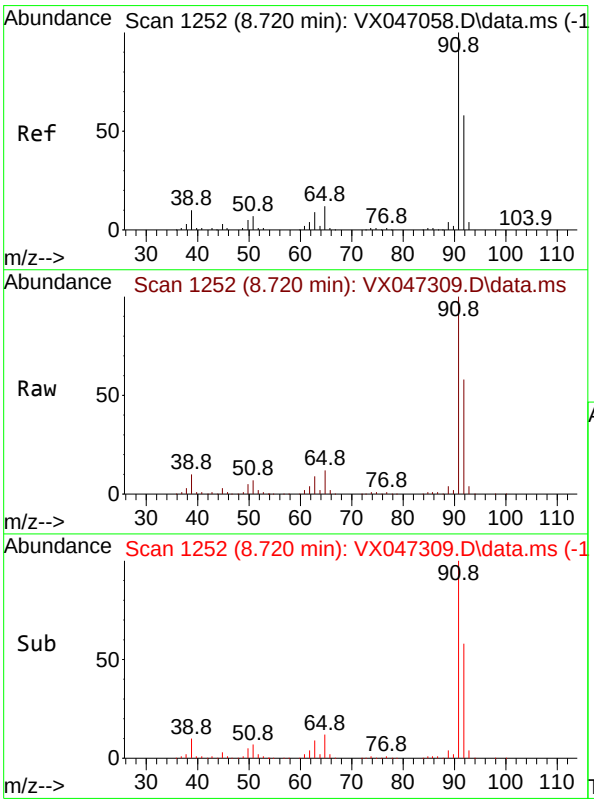
Ion	Ratio	Lower	Upper
43	100		
58	39.0	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

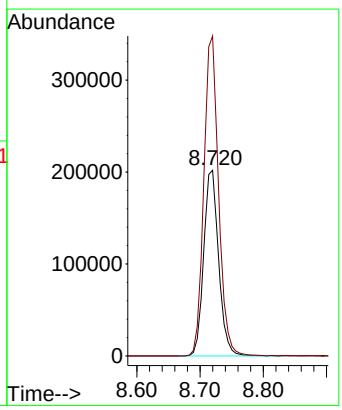
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

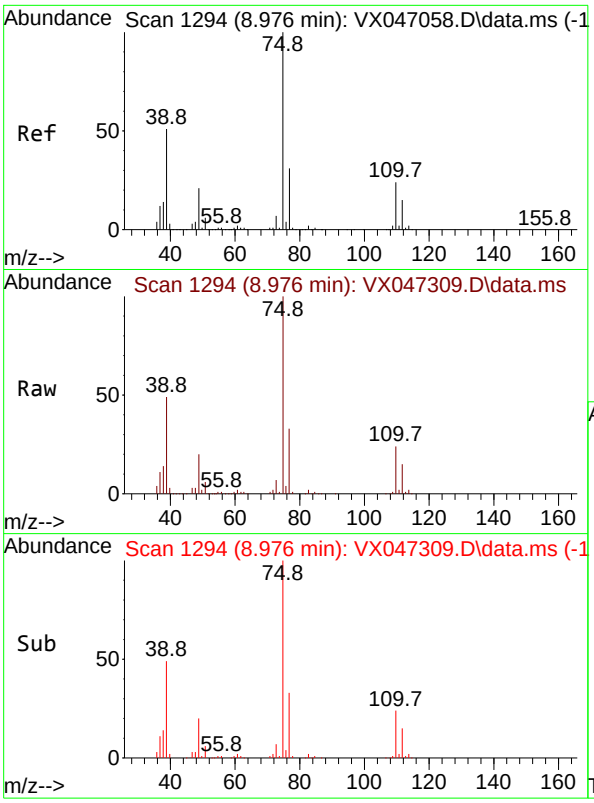


#52
Toluene
Concen: 51.598 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 92 Resp: 331807

Ion	Ratio	Lower	Upper
92	100		
91	169.9	137.9	206.9

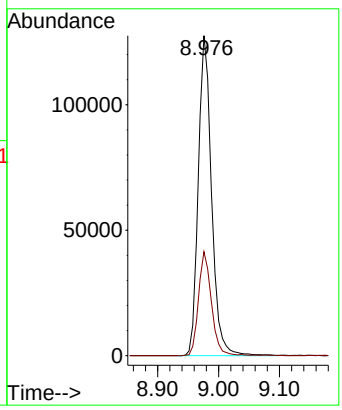




#53
t-1,3-Dichloropropene
Concen: 52.270 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 75 Resp: 19298

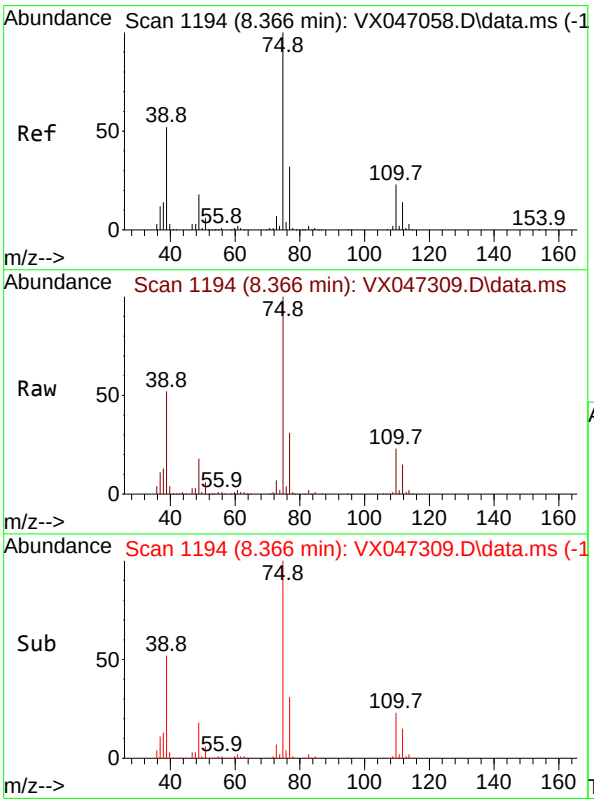
Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

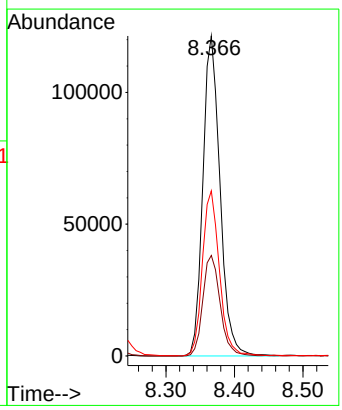
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

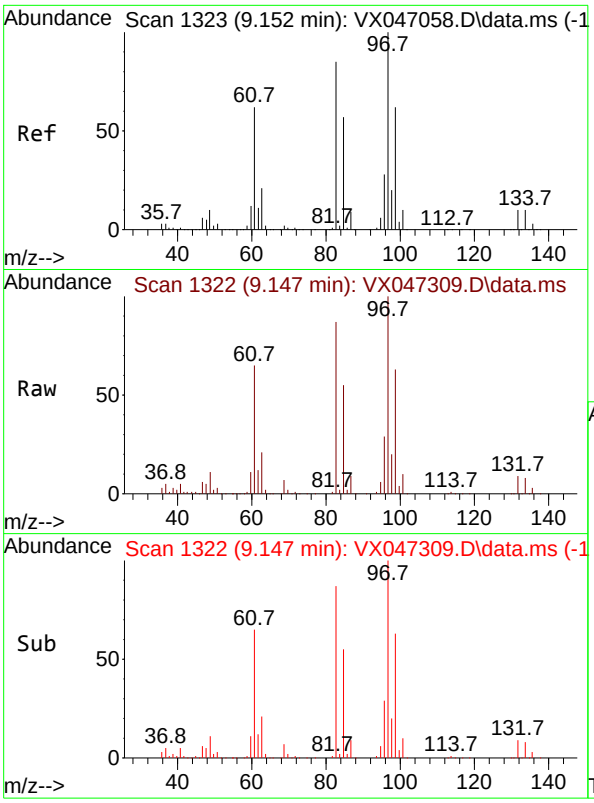


#54
cis-1,3-Dichloropropene
Concen: 52.423 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 75 Resp: 211833

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	50.8	41.8	62.6

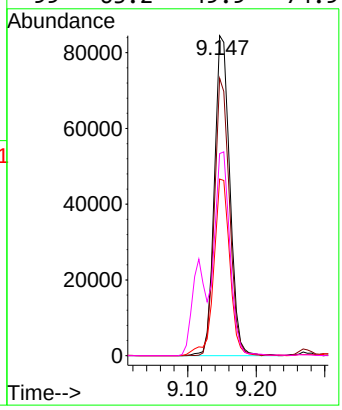




#55
1,1,2-Trichloroethane
Concen: 54.707 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 97 Resp: 13193

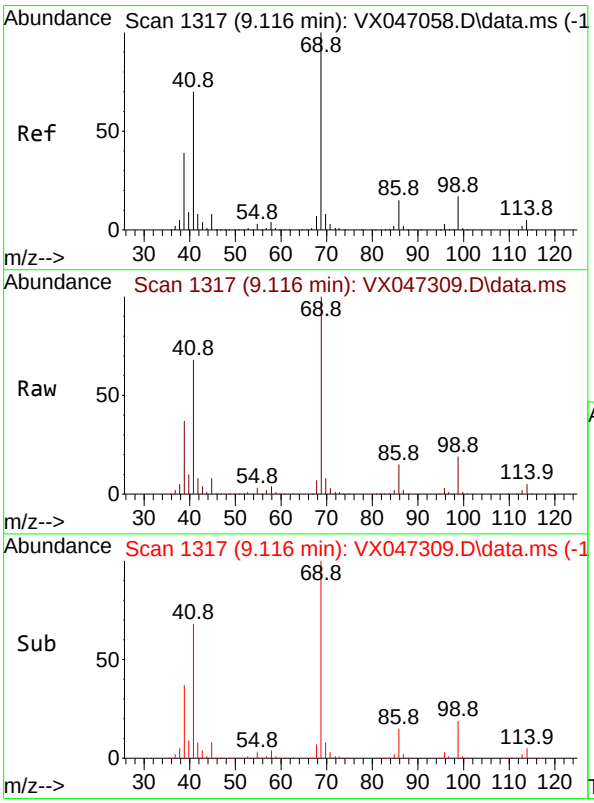
Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.0	102.0
85	55.2	45.2	67.8
99	63.2	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

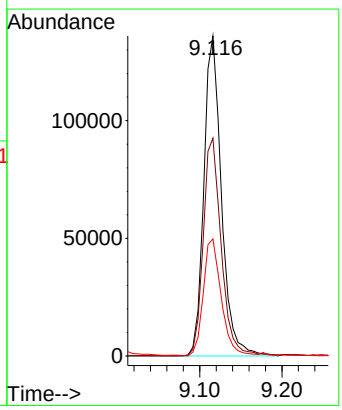
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

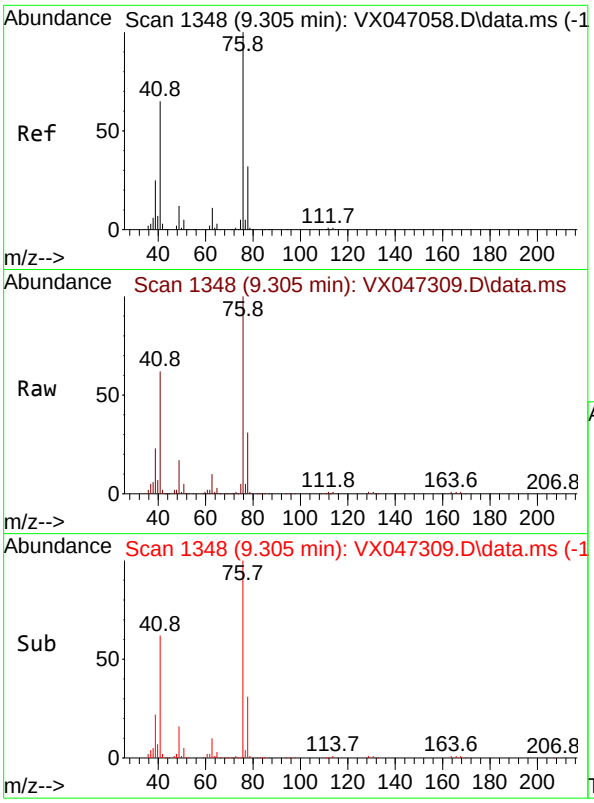


#56
Ethyl methacrylate
Concen: 56.604 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 69 Resp: 202090

Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.1	84.1
39	36.8	31.1	46.7





#57
1,3-Dichloropropane
Concen: 53.892 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

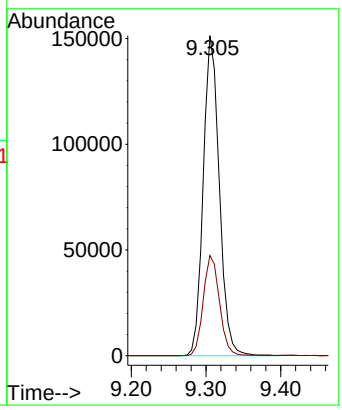
Tgt Ion: 76 Resp: 22588

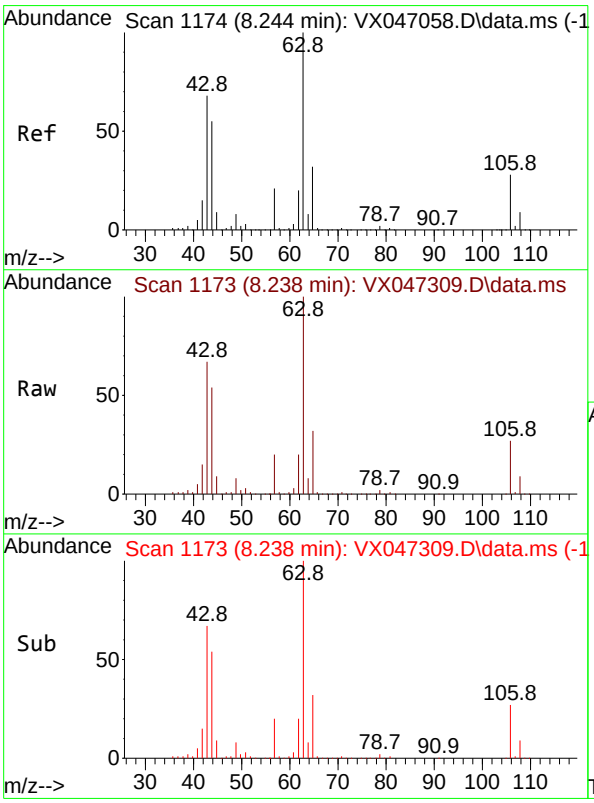
Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

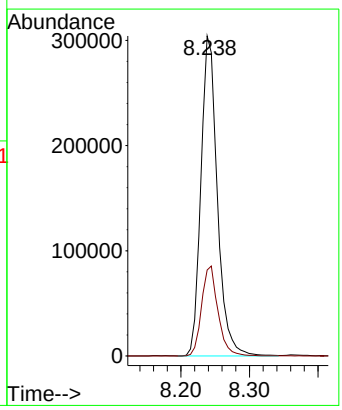


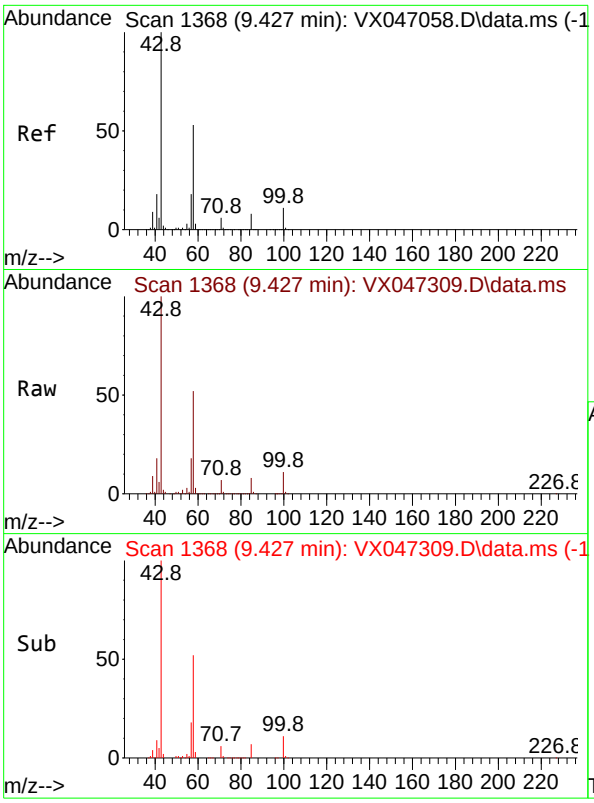


#58
2-Chloroethyl Vinyl ether
Concen: 255.533 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 63 Resp: 507677

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.2	33.4





#59
2-Hexanone
Concen: 290.316 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

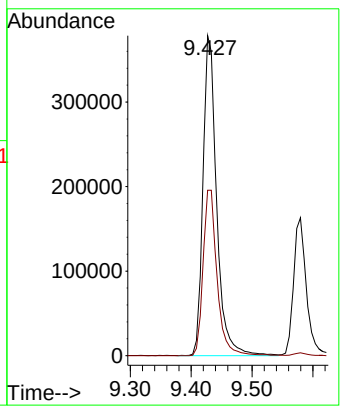
Tgt Ion: 43 Resp: 59184

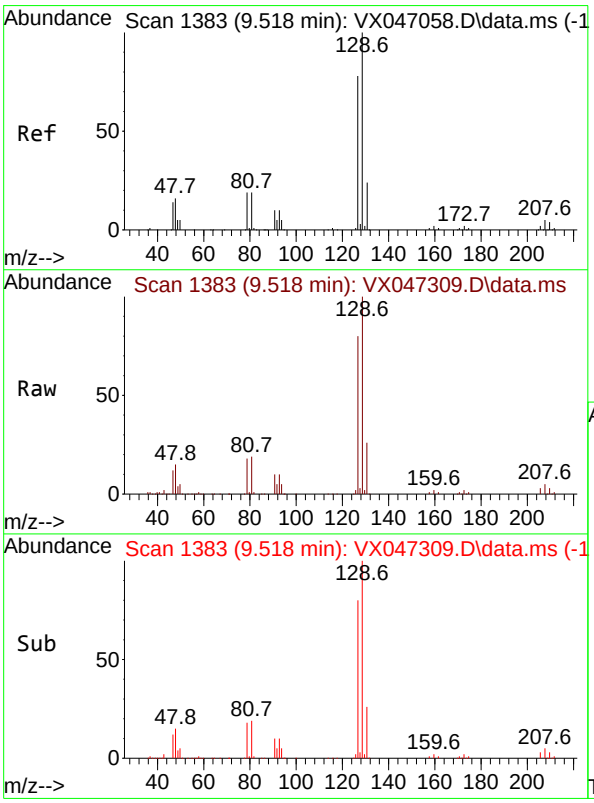
Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.5	79.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

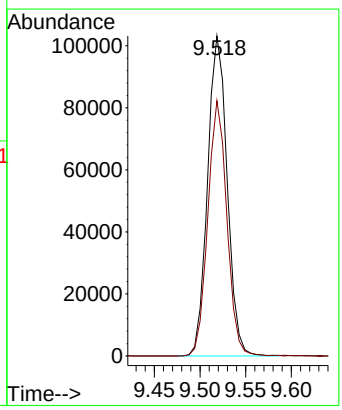


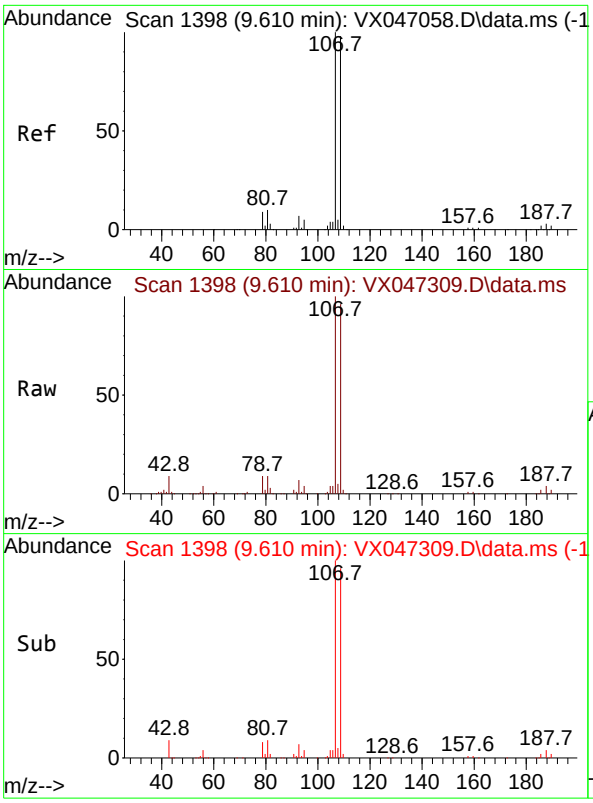


#60
Dibromochloromethane
Concen: 54.334 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:129 Resp: 153681

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8





#61
1,2-Dibromoethane
Concen: 54.281 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

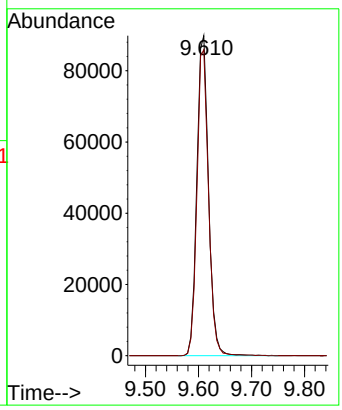
Tgt Ion:107 Resp: 13688

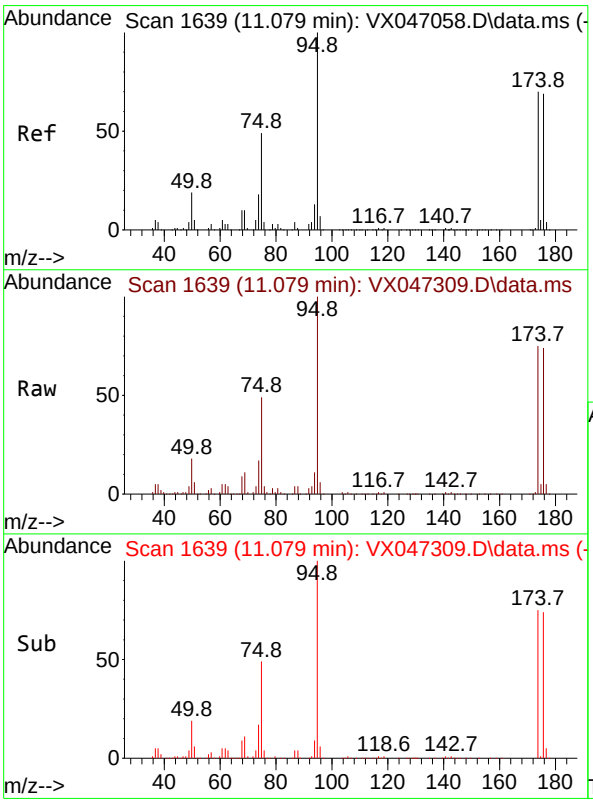
Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.6	112.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 08/14/2025
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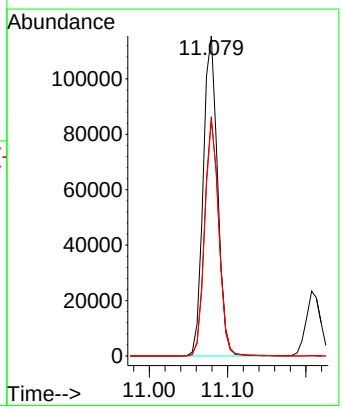


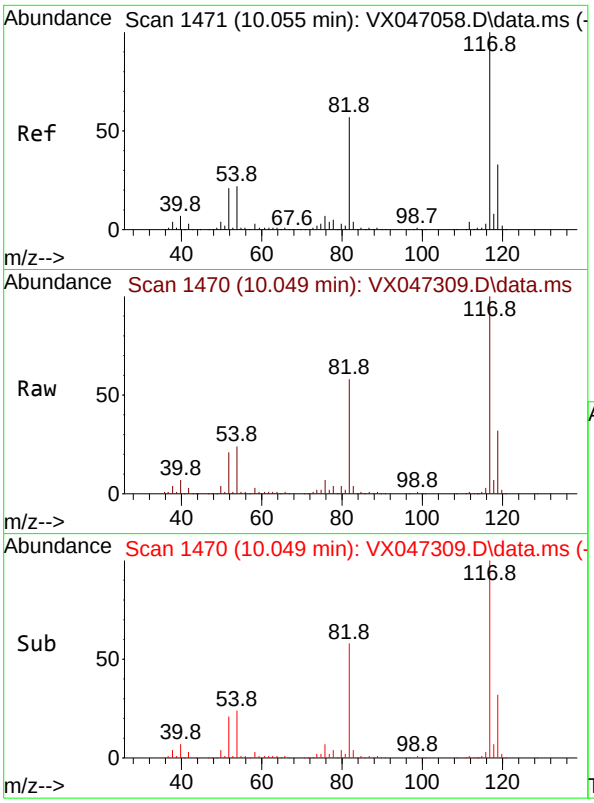


#62
4-Bromofluorobenzene
Concen: 49.666 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 95 Resp: 146951

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	144.6
176	71.8	0.0	139.6

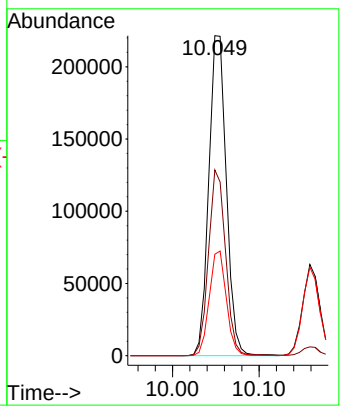




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:117 Resp: 31189

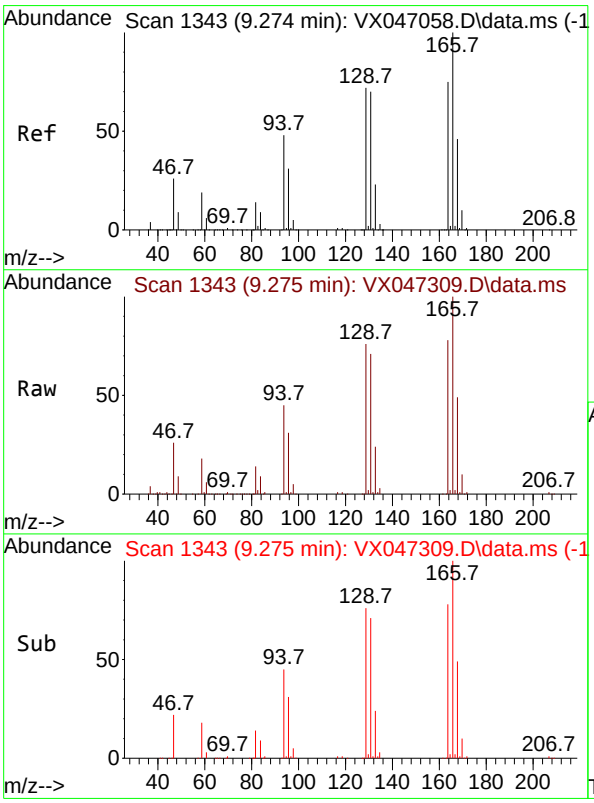
Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.4	68.2
119	31.7	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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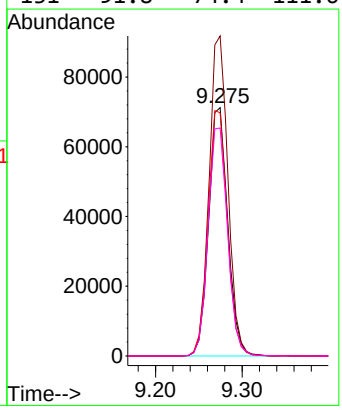
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

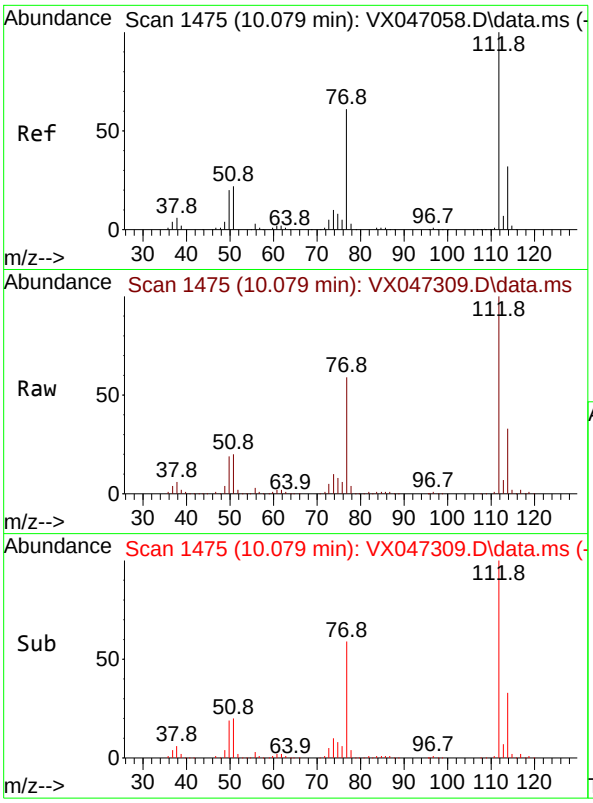


#64
Tetrachloroethene
Concen: 48.451 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:164 Resp: 108938

Ion	Ratio	Lower	Upper
164	100		
166	128.9	106.2	159.4
129	98.0	76.6	114.8
131	91.8	74.4	111.6

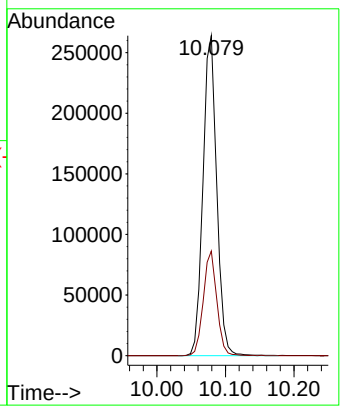




#65
Chlorobenzene
Concen: 50.536 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:112 Resp: 36925

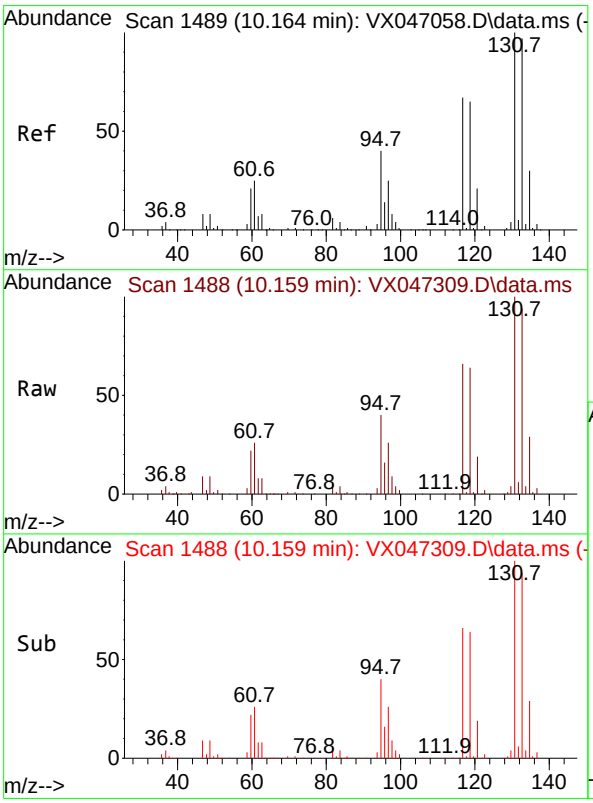
Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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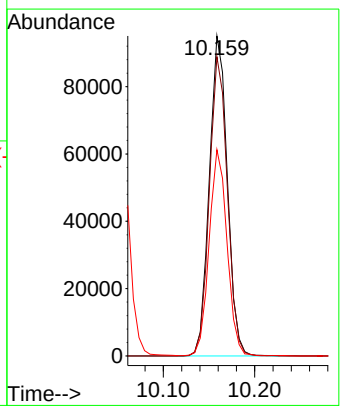
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

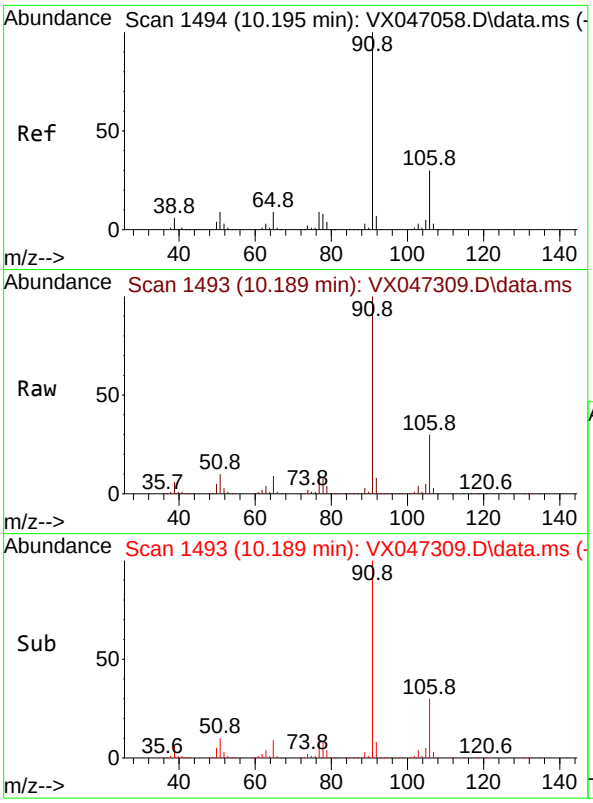


#66
1,1,1,2-Tetrachloroethane
Concen: 52.854 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:131 Resp: 130021

Ion	Ratio	Lower	Upper
131	100		
133	93.6	48.4	145.3
119	64.0	32.4	97.0





#67
Ethyl Benzene
Concen: 50.127 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

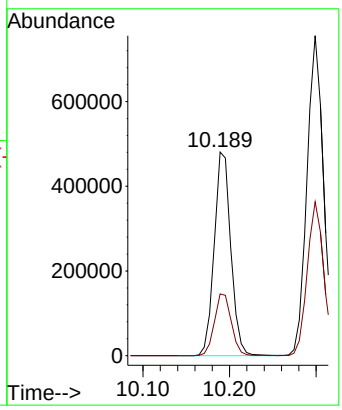
Tgt Ion: 91 Resp: 64038

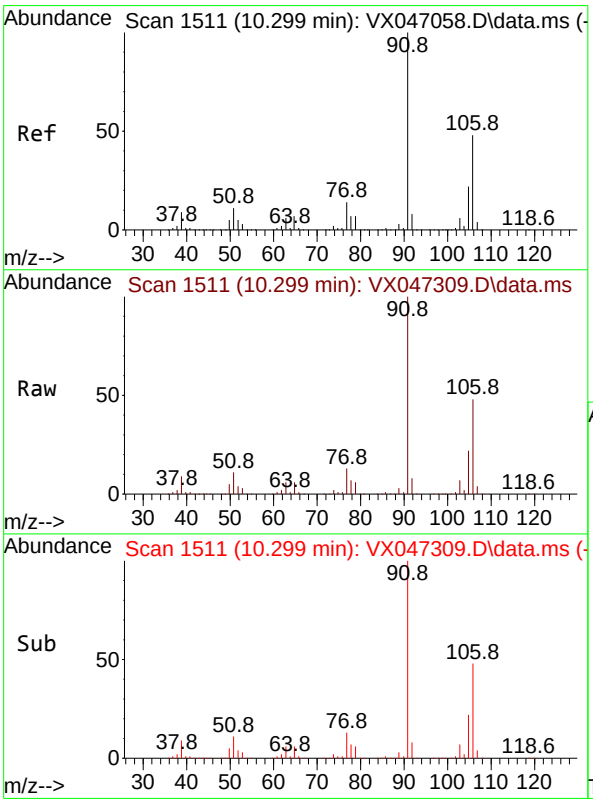
Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

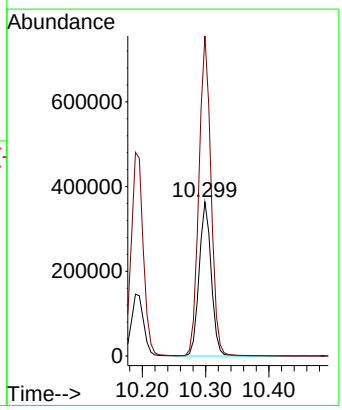


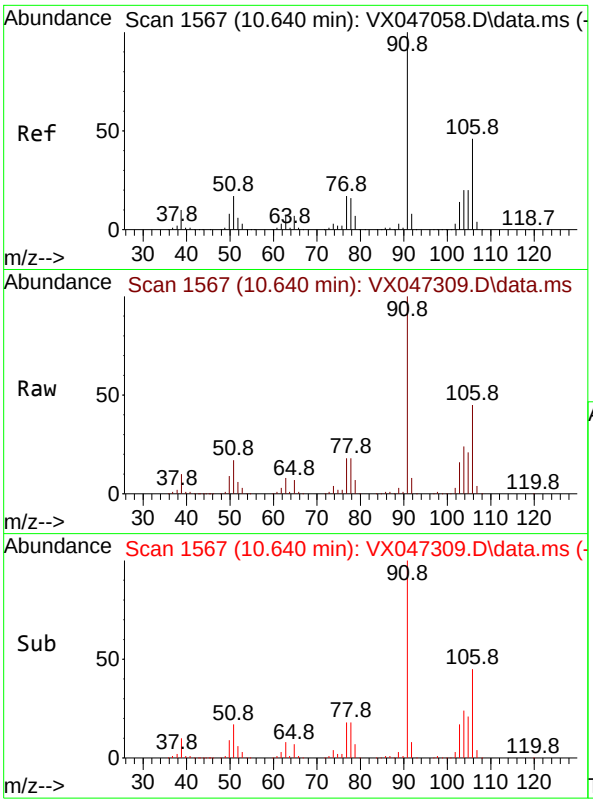


#68
m/p-Xylenes
Concen: 100.800 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:106 Resp: 481905

Ion	Ratio	Lower	Upper
106	100		
91	208.6	167.4	251.0

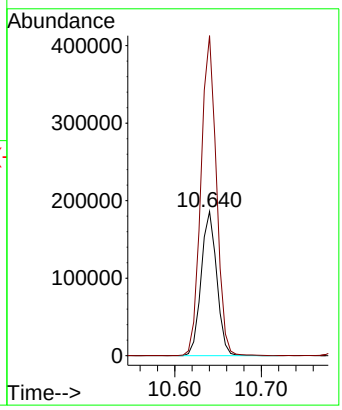




#69
o-Xylene
Concen: 51.121 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:106 Resp: 23250

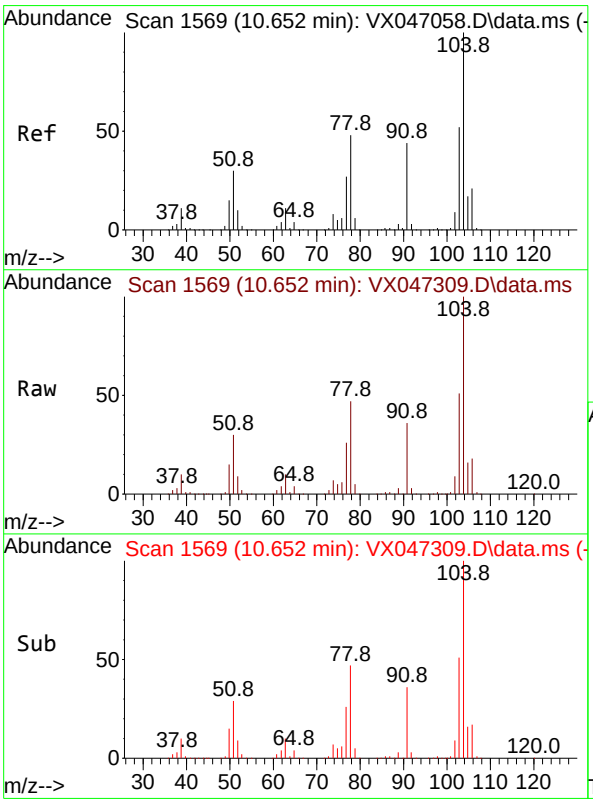
Ion	Ratio	Lower	Upper
106	100		
91	220.5	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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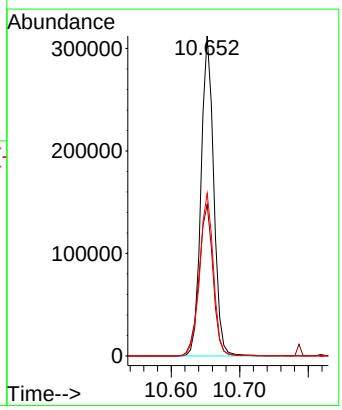
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

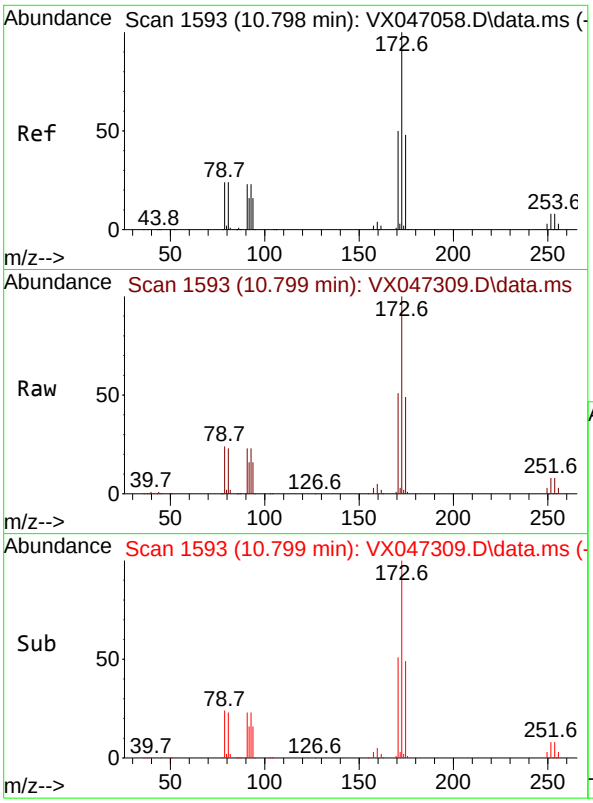


#70
Styrene
Concen: 51.852 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:104 Resp: 404384

Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.0	63.0
103	54.7	43.8	65.6

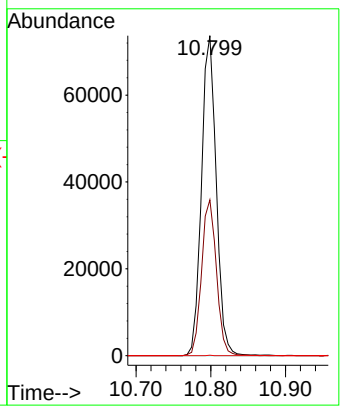




#71
Bromoform
Concen: 54.108 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

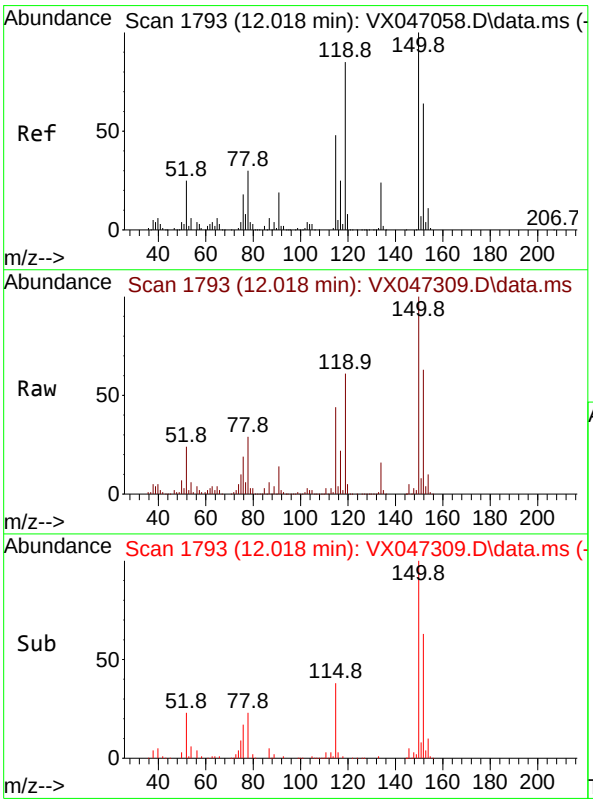
Tgt Ion:173 Resp: 10111

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

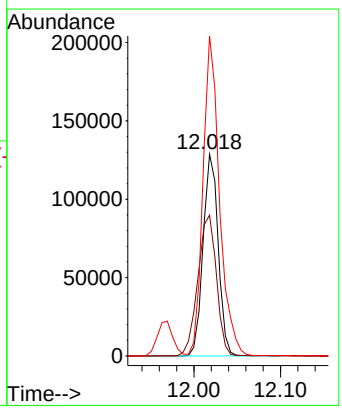
Manual Integrations APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

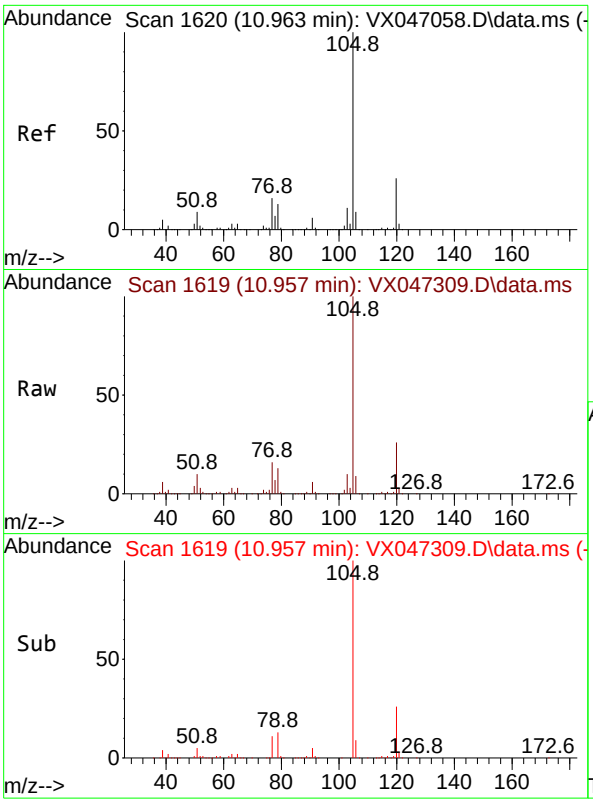


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:152 Resp: 156059

Ion	Ratio	Lower	Upper
152	100		
115	85.9	45.6	136.7
150	173.3	0.0	354.6





#73
Isopropylbenzene
Concen: 48.889 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

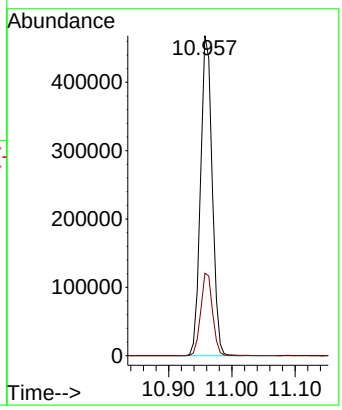
Tgt Ion:105 Resp: 60192

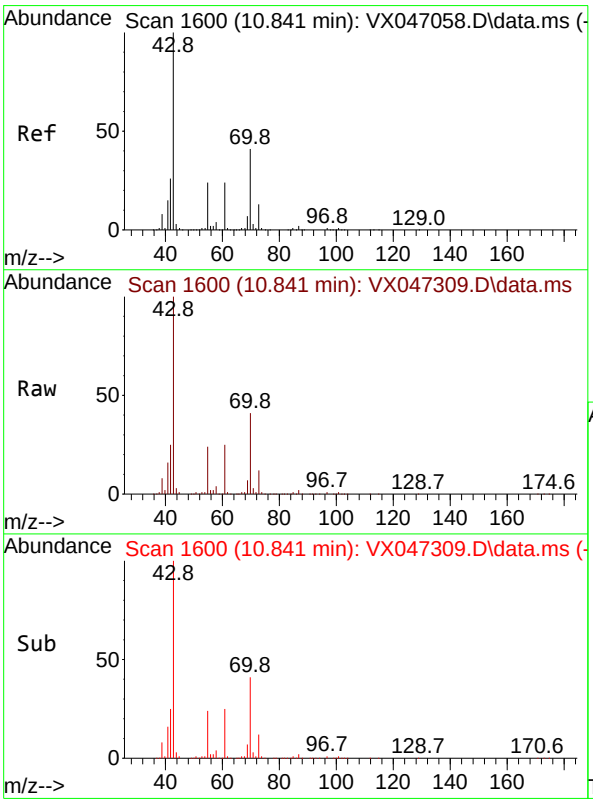
Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
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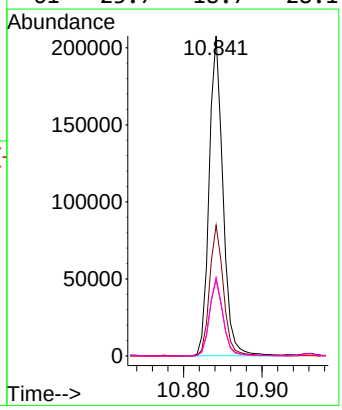


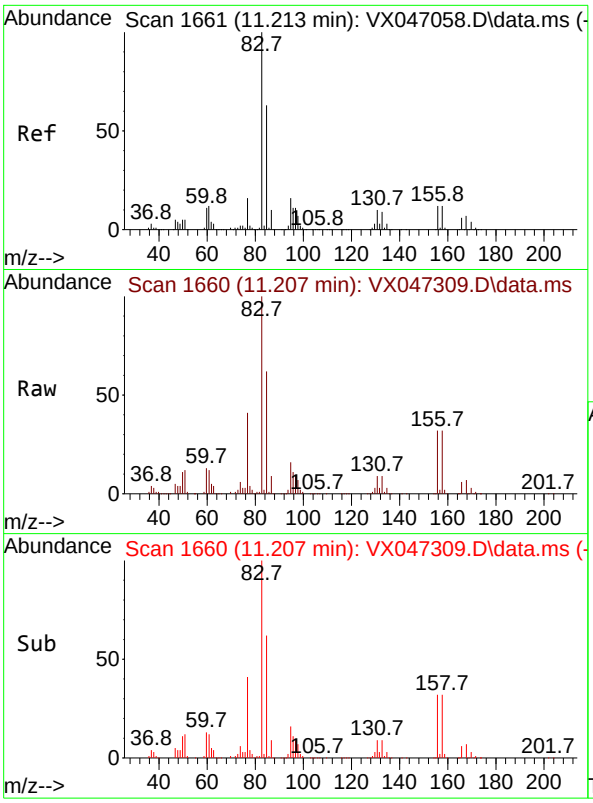


#74
N-amyl acetate
Concen: 51.043 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 43 Resp: 253569

Ion	Ratio	Lower	Upper
43	100		
70	41.0	32.3	48.5
55	23.9	18.9	28.3
61	23.7	18.7	28.1

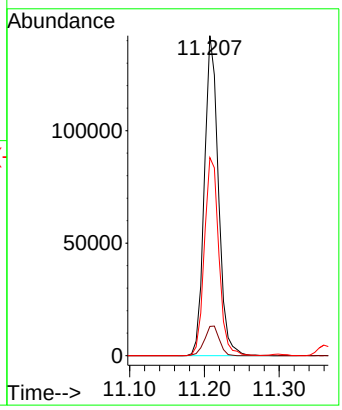




#75
1,1,2,2-Tetrachloroethane
Concen: 52.547 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 83 Resp: 18480

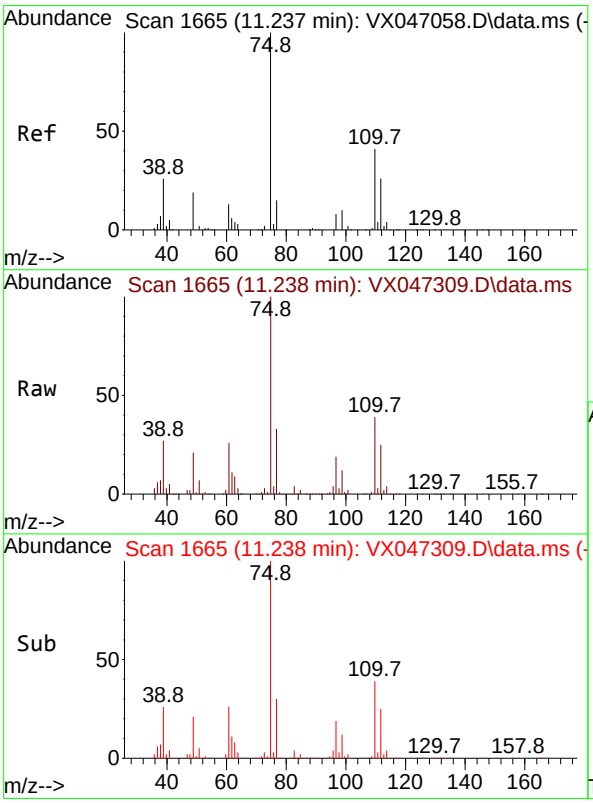
Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.8	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

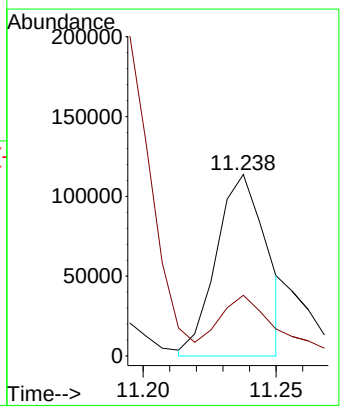
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

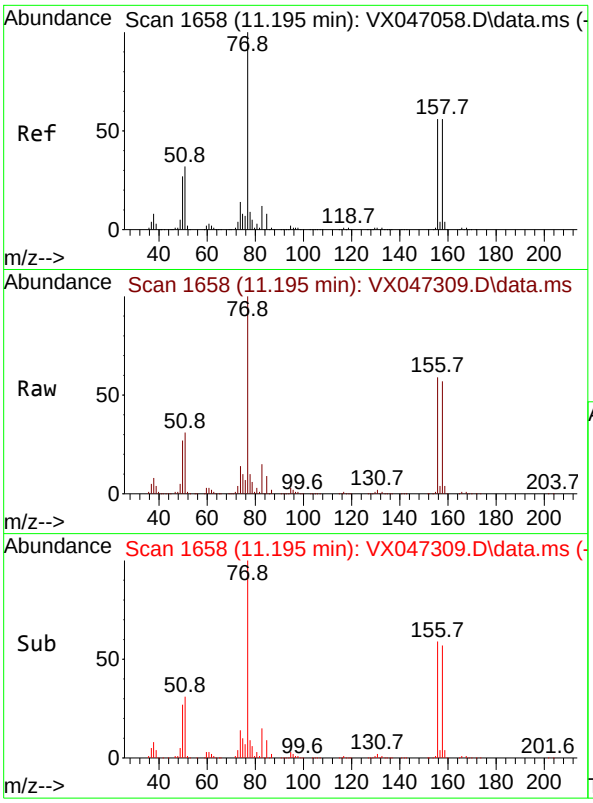


#76
1,2,3-Trichloropropane
Concen: 51.525 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 75 Resp: 148834

Ion	Ratio	Lower	Upper
75	100		
77	38.8	21.6	65.0

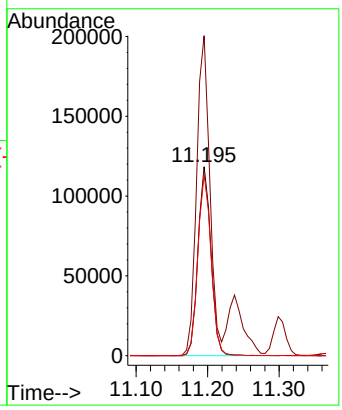




#77
Bromobenzene
Concen: 50.657 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

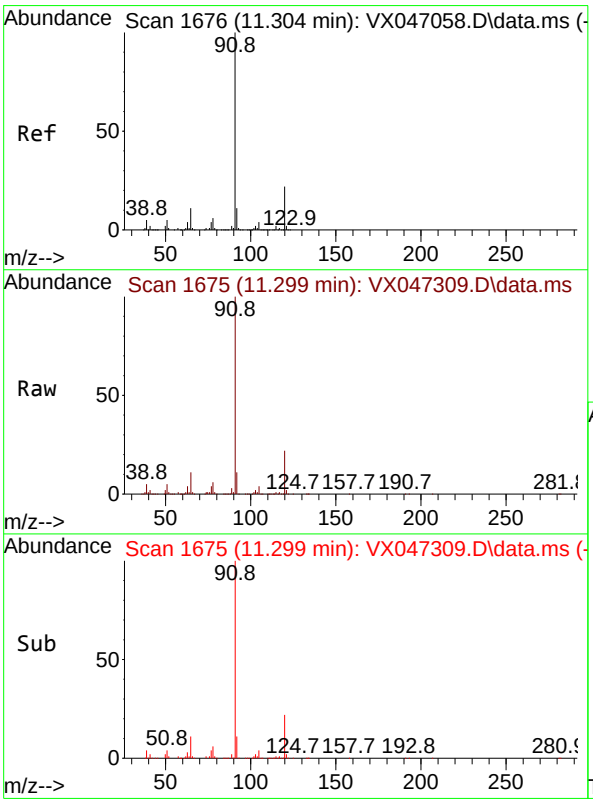
Tgt Ion:156 Resp: 14959

Ion	Ratio	Lower	Upper
156	100		
77	171.6	87.3	261.9
158	96.9	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

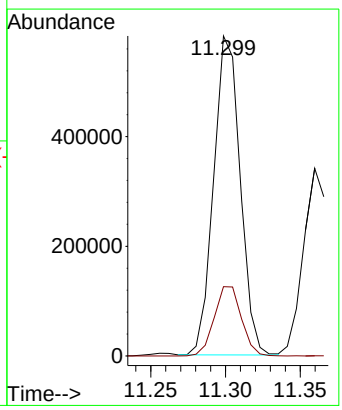
Manual Integrations
APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

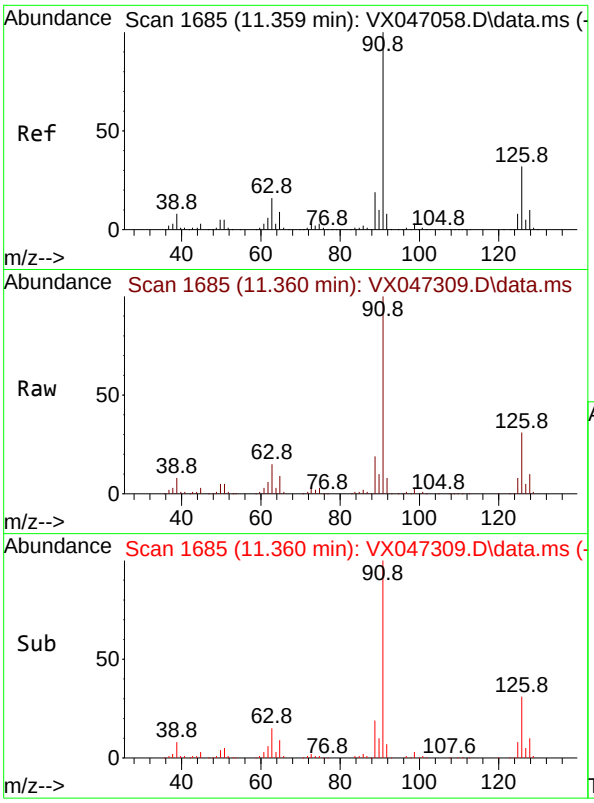


#78
n-propylbenzene
Concen: 48.787 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 91 Resp: 717788

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0

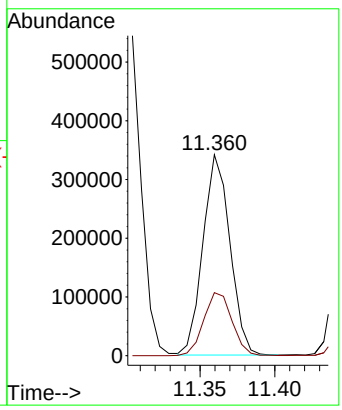




#79
2-Chlorotoluene
Concen: 48.791 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 91 Resp: 42910

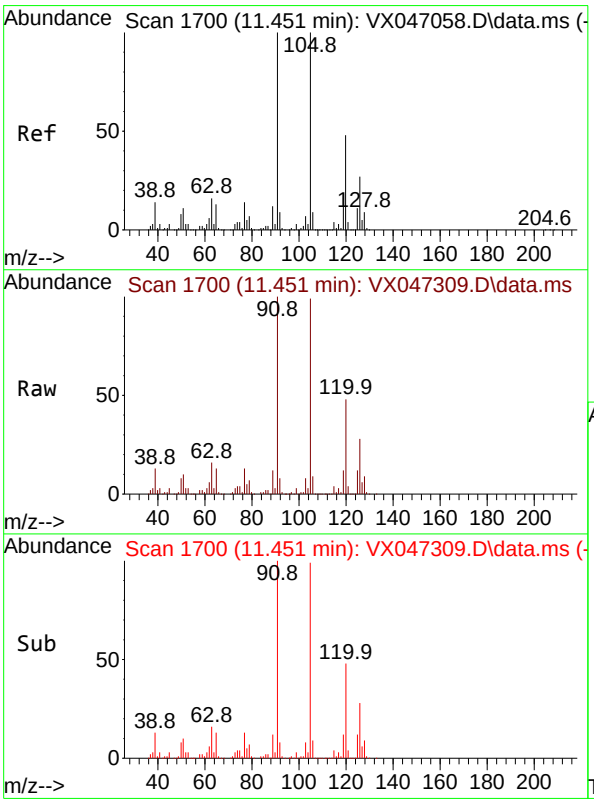
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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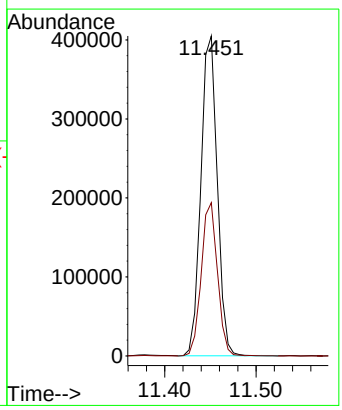
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

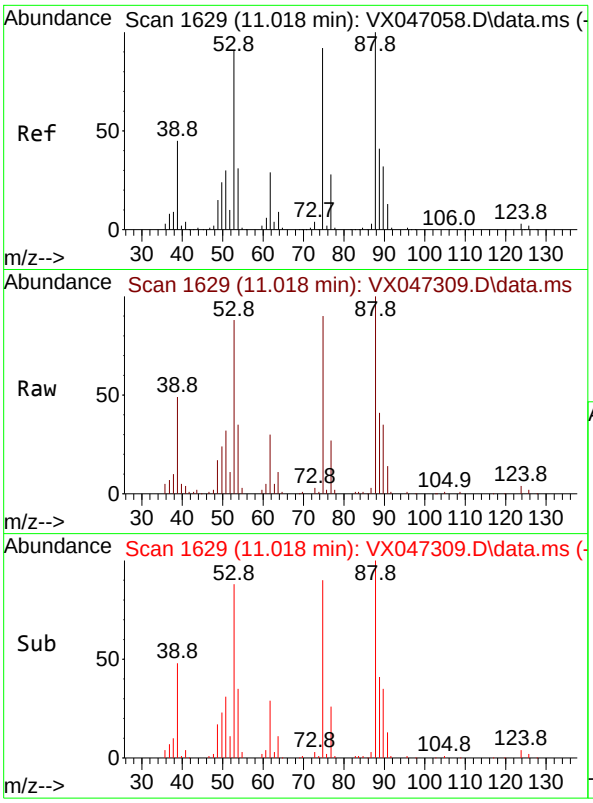


#80
1,3,5-Trimethylbenzene
Concen: 49.416 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:105 Resp: 502646

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5

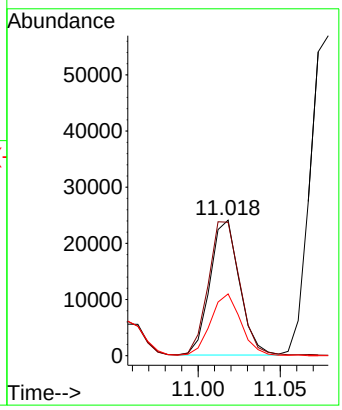




#81
trans-1,4-Dichloro-2-butene
Concen: 26.822 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

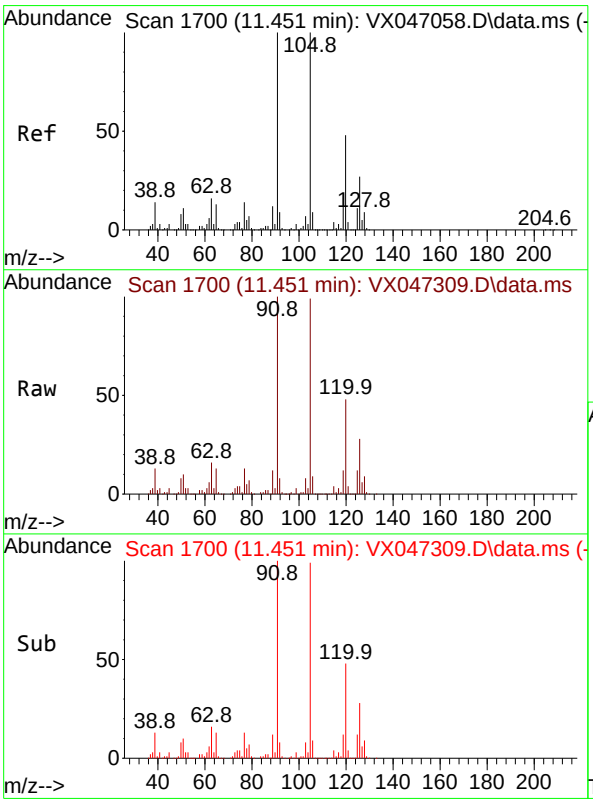
Tgt Ion: 75 Resp: 3007

Ion	Ratio	Lower	Upper
75	100		
53	106.8	84.2	126.4
89	47.2	36.0	54.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

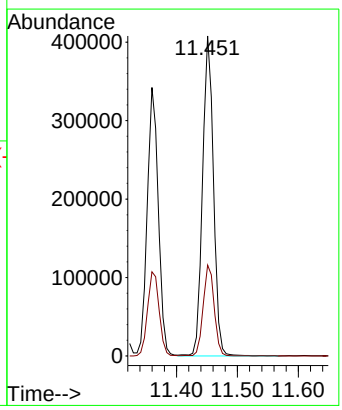
Manual Integrations
APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

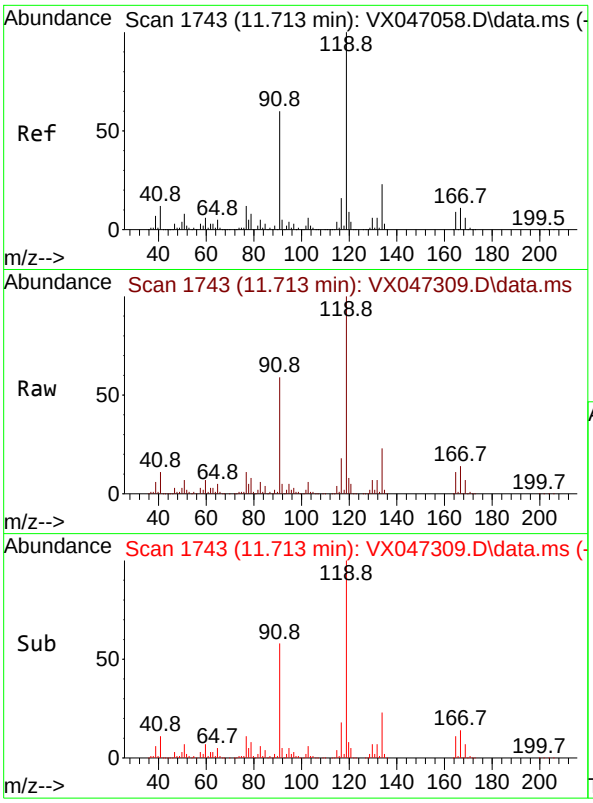


#82
4-Chlorotoluene
Concen: 49.625 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 91 Resp: 509422

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.1	42.3

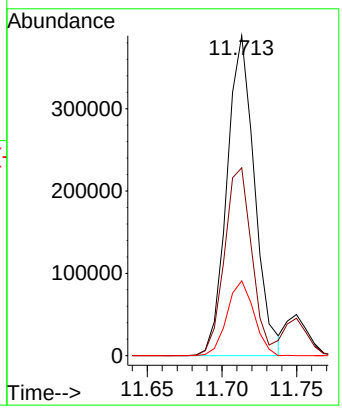




#83
tert-Butylbenzene
Concen: 48.901 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:119 Resp: 49924

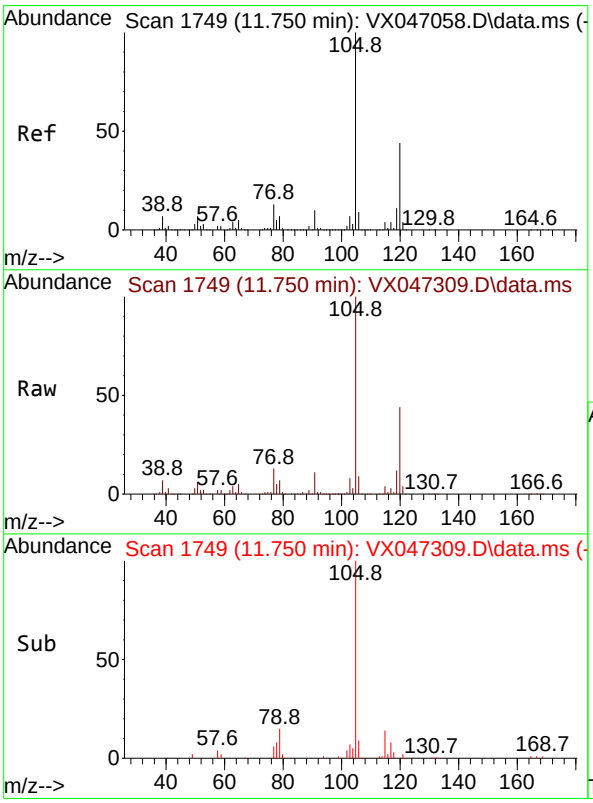
Ion	Ratio	Lower	Upper
119	100		
91	58.0	29.6	88.8
134	22.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

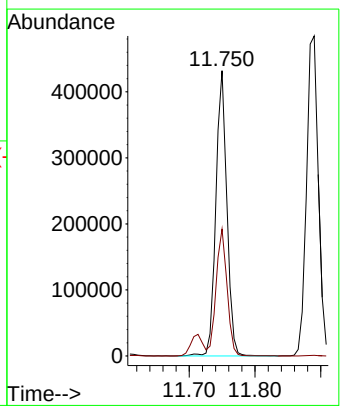
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

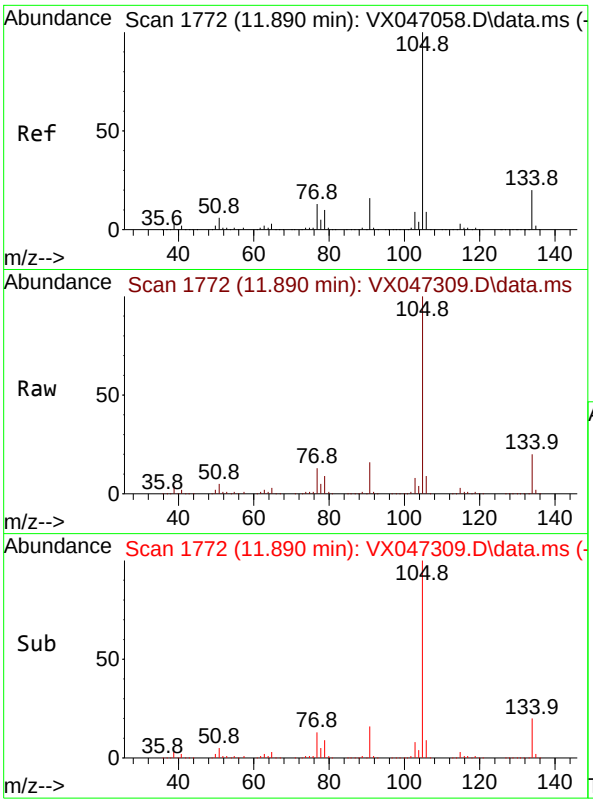


#84
1,2,4-Trimethylbenzene
Concen: 49.654 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:105 Resp: 503767

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.0	66.0

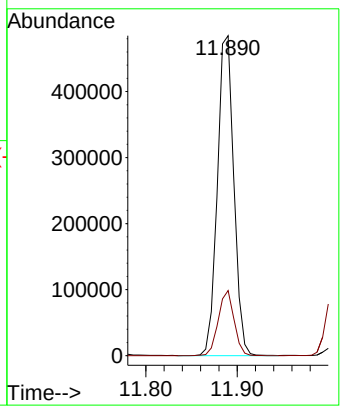




#85
sec-Butylbenzene
Concen: 47.627 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:105 Resp: 60752

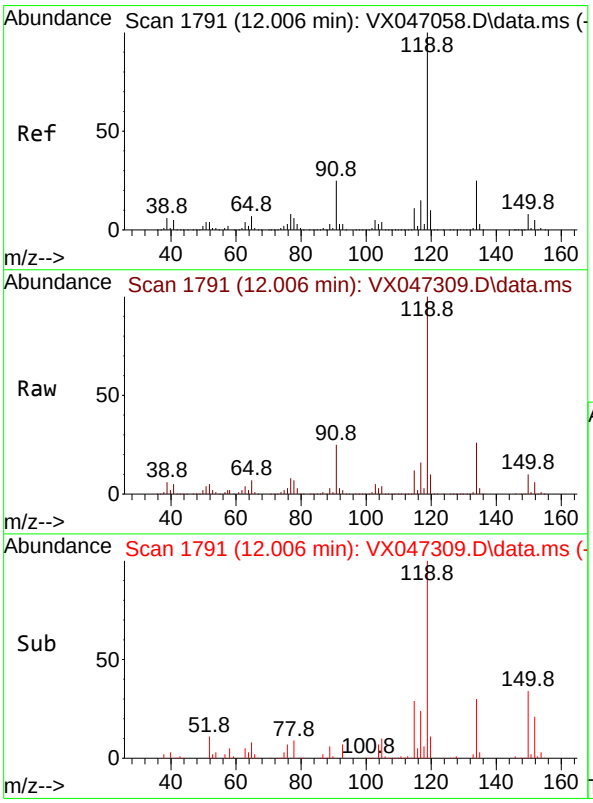
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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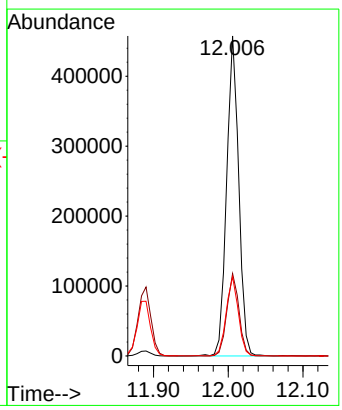
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

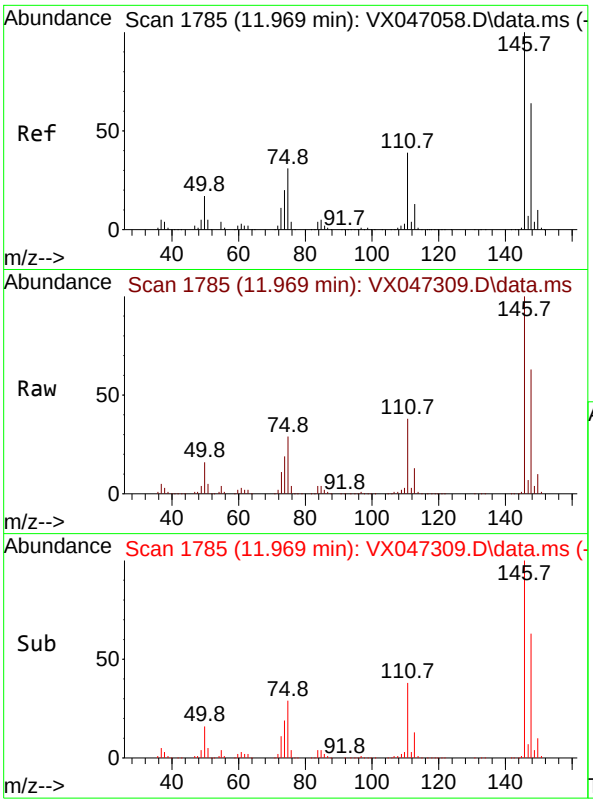


#86
p-Isopropyltoluene
Concen: 48.530 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:119 Resp: 513359

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	24.8	12.4	37.4

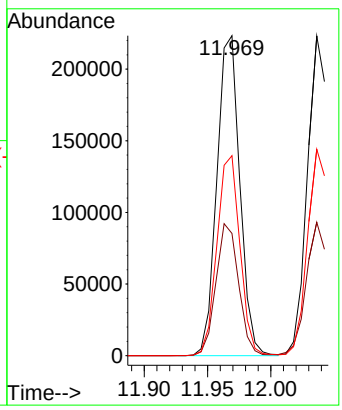




#87
1,3-Dichlorobenzene
Concen: 50.187 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

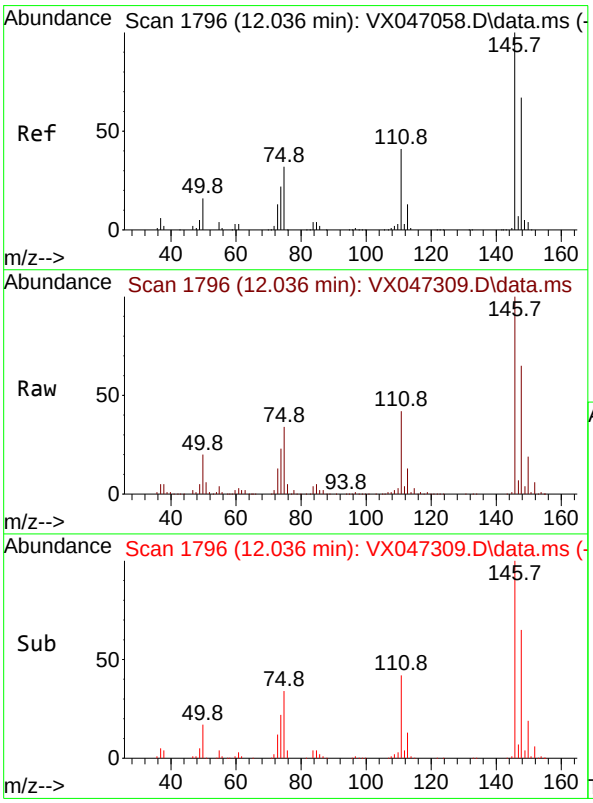
Tgt Ion:146 Resp: 28160

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.0	63.0
148	62.7	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

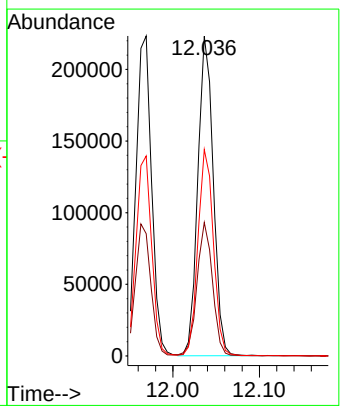
Manual Integrations APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

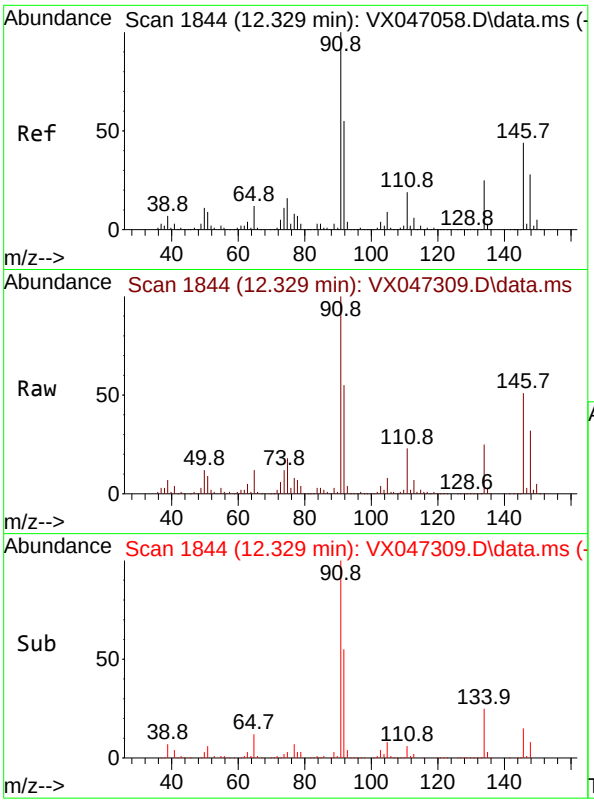


#88
1,4-Dichlorobenzene
Concen: 48.680 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:146 Resp: 276736

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.9
148	65.0	33.0	98.9

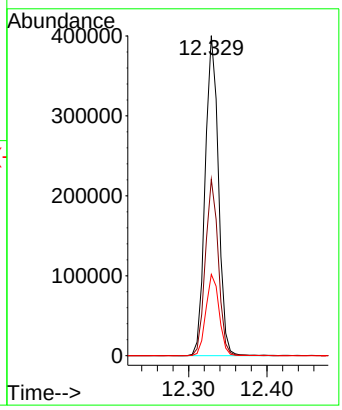




#89
n-Butylbenzene
Concen: 47.162 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 91 Resp: 46785

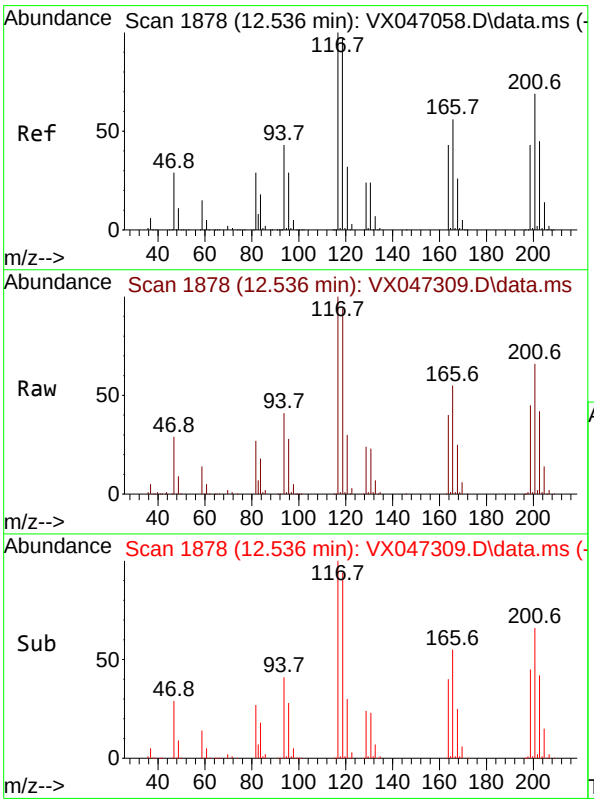
Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.5	82.5
134	25.4	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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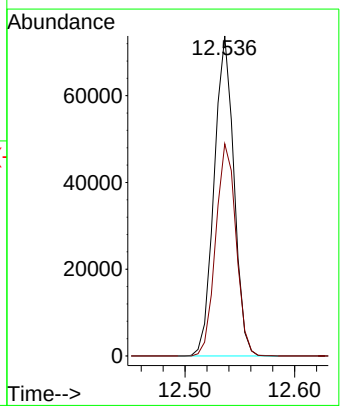
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

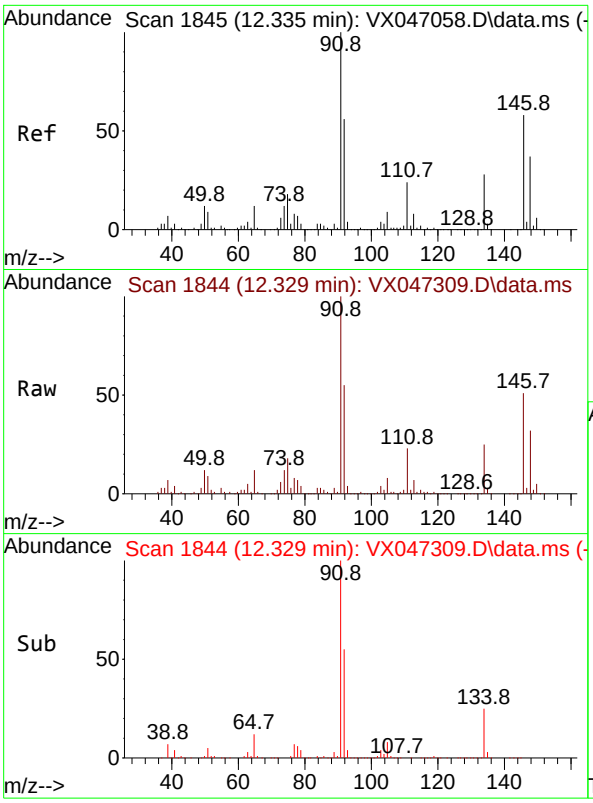


#90
Hexachloroethane
Concen: 48.954 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:117 Resp: 92640

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.8	104.5

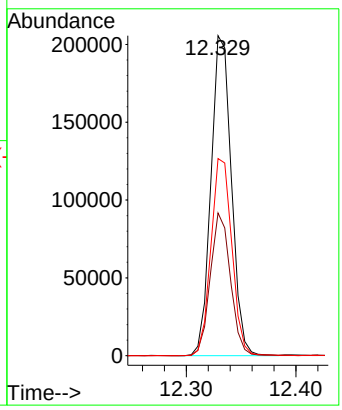




#91
1,2-Dichlorobenzene
Concen: 49.711 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:146 Resp: 26659

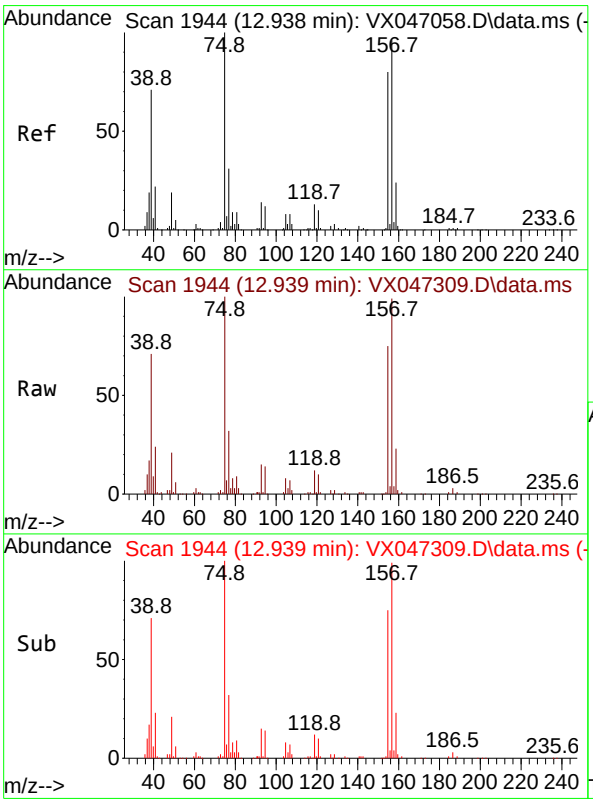
Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	64.6
148	63.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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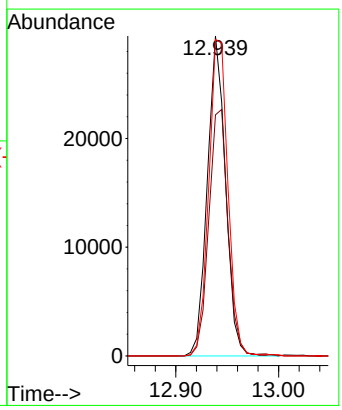
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

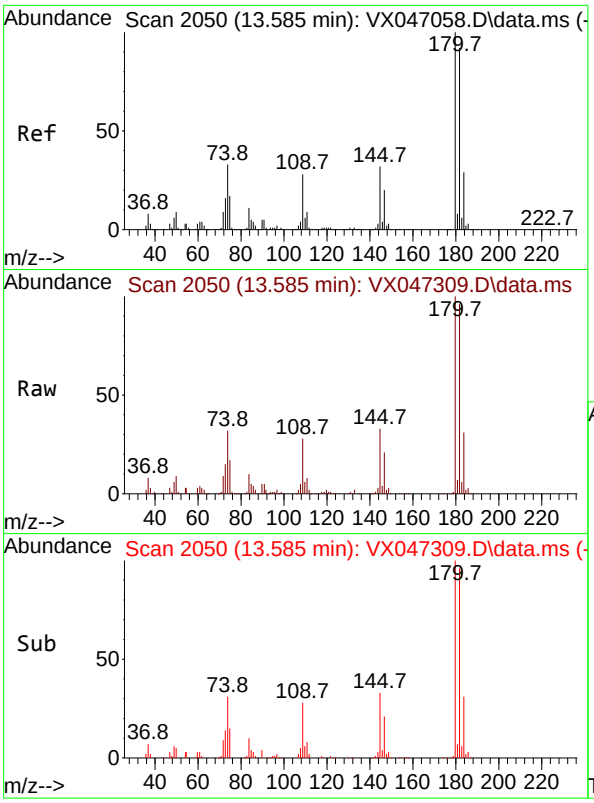


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.598 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 75 Resp: 36183

Ion	Ratio	Lower	Upper
75	100		
155	81.4	41.3	124.1
157	104.4	52.8	158.3

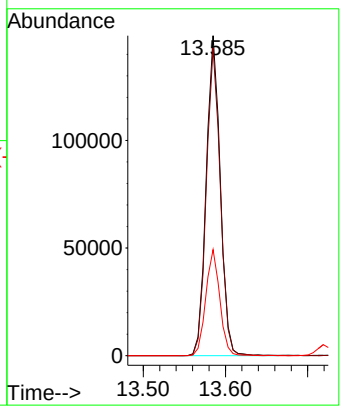




#93
1,2,4-Trichlorobenzene
Concen: 49.902 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:180 Resp: 17681

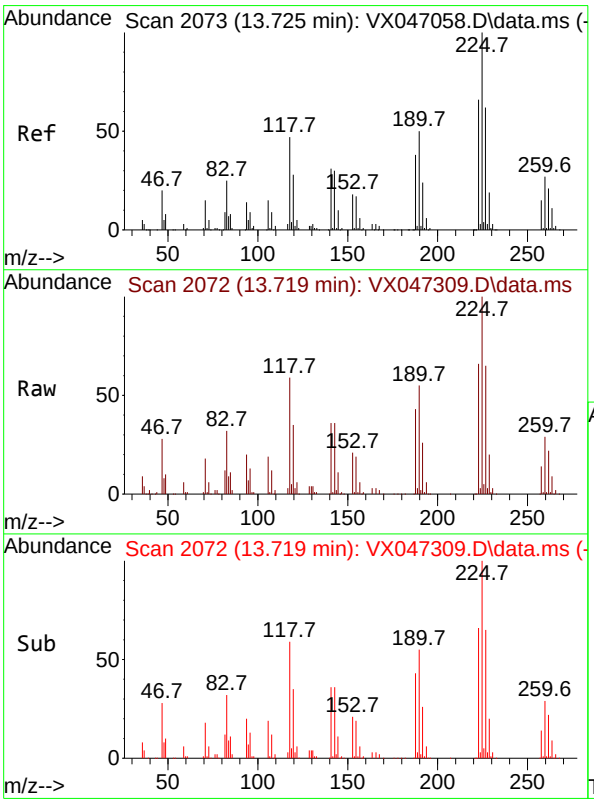
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.8
145	32.9	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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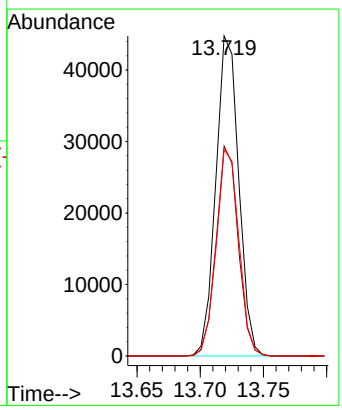
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

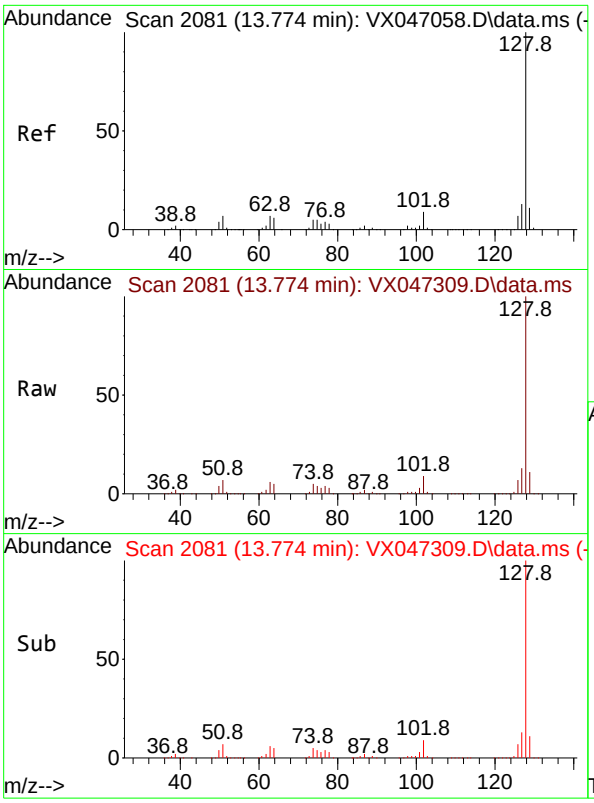


#94
Hexachlorobutadiene
Concen: 46.711 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:225 Resp: 56288

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.6	95.0
227	63.8	32.9	98.6

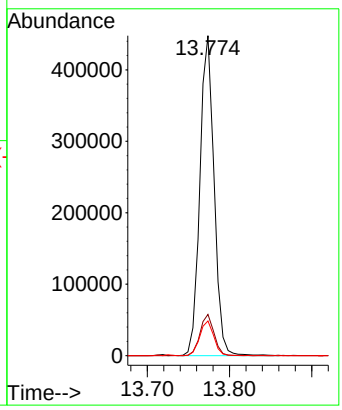




#95
Naphthalene
Concen: 51.782 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:128 Resp: 53787

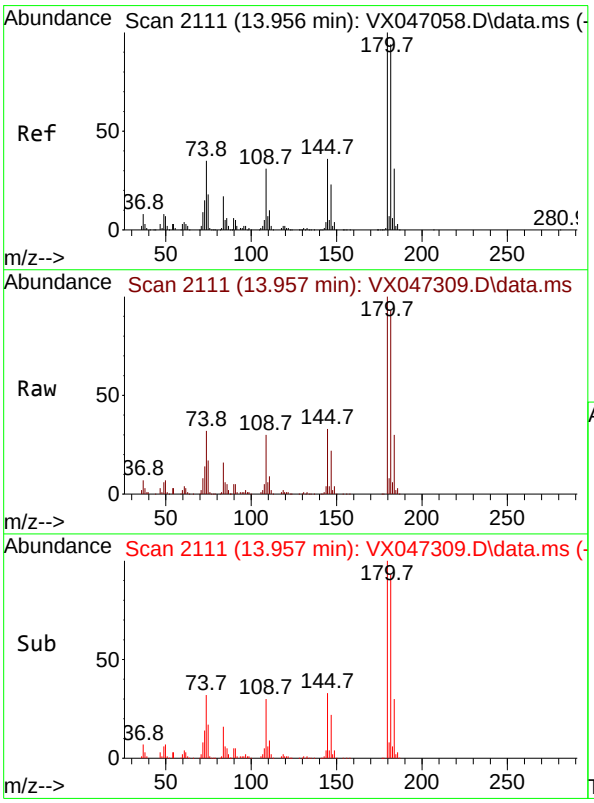
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

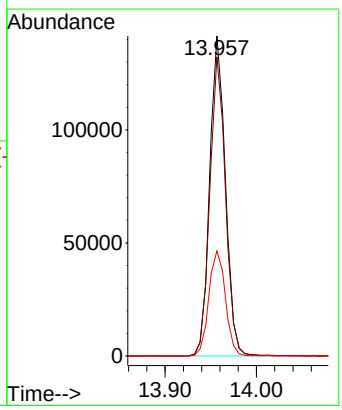
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 49.440 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:180 Resp: 168763

Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	34.7	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047309.D
Acq On : 13 Aug 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 03:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	65	0.00
2	T	Dichlorodifluoromethane	0.664	0.684	-3.0	58	0.00
3	P	Chloromethane	0.657	0.610	7.2	57	0.00
4	C	Vinyl Chloride	0.706	0.722	-2.3#	60	0.00
5	T	Bromomethane	0.384	0.390	-1.6	57	0.00
6	T	Chloroethane	0.464	0.440	5.2	61	0.00
7	T	Trichlorofluoromethane	1.053	1.065	-1.1	60	0.00
8	T	Diethyl Ether	0.371	0.402	-8.4	67	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.626	1.3	61	0.00
10	T	Methyl Iodide	0.647	1.084	-67.5#	97	0.00
11	T	Tert butyl alcohol	0.080	0.077	3.8	69	0.00
12	CM	1,1-Dichloroethene	0.628	0.628	0.0	61	0.00
13	T	Acrolein	0.134	0.209	-56.0#	98	0.00
14	T	Allyl chloride	1.136	1.122	1.2	59	0.00
15	T	Acrylonitrile	0.297	0.333	-12.1	66	0.00
16	T	Acetone	0.250	0.291	-16.4	76	0.00
17	T	Carbon Disulfide	1.818	1.715	5.7	58	0.00
18	T	Methyl Acetate	0.663	0.813	-22.6	77	0.00
19	T	Methyl tert-butyl Ether	1.912	2.118	-10.8	67	0.00
20	T	Methylene Chloride	0.686	0.714	-4.1	65	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.659	-2.5	62	0.00
22	T	Diisopropyl ether	2.184	2.343	-7.3	65	0.00
23	T	Vinyl Acetate	1.752	1.942	-10.8	65	0.00
24	P	1,1-Dichloroethane	1.214	1.233	-1.6	62	0.00
25	T	2-Butanone	0.363	0.375	-3.3	63	0.00
26	T	2,2-Dichloropropane	0.940	0.944	-0.4	63	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.797	-4.7	64	0.00
28	T	Bromochloromethane	0.559	0.601	-7.5	64	0.00
29	T	Tetrahydrofuran	0.234	0.235	-0.4	60	0.00
30	C	Chloroform	1.236	1.275	-3.2#	65	0.00
31	T	Cyclohexane	1.164	1.079	7.3	58	0.00
32	T	1,1,1-Trichloroethane	1.074	1.081	-0.7	63	0.00
33	S	1,2-Dichloroethane-d4	0.623	0.607	2.6	69	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	67	0.00
35	S	Dibromofluoromethane	0.309	0.319	-3.2	72	0.00
36	T	1,1-Dichloropropene	0.526	0.508	3.4	62	0.00
37	T	Ethyl Acetate	0.485	0.562	-15.9	73	0.00
38	T	Carbon Tetrachloride	0.562	0.542	3.6	61	0.00
39	T	Methylcyclohexane	0.657	0.604	8.1	57	0.00
40	TM	Benzene	1.523	1.554	-2.0	63	0.00
41	T	Methacrylonitrile	0.254	0.262	-3.1	60	0.00
42	TM	1,2-Dichloroethane	0.536	0.577	-7.6	67	0.00
43	T	Isopropyl Acetate	0.756	0.838	-10.8	66	0.00
44	TM	Trichloroethene	0.391	0.389	0.5	62	0.00
45	C	1,2-Dichloropropane	0.381	0.396	-3.9#	64	0.00
46	T	Dibromomethane	0.267	0.295	-10.5	67	0.00
47	T	Bromodichloromethane	0.569	0.606	-6.5	65	0.00
48	T	Methyl methacrylate	0.412	0.435	-5.6	66	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047309.D
Acq On : 13 Aug 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 03:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.005	0.0	62	0.02
50	S	Toluene-d8	1.000	0.880	12.0	63	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.493	-9.8	66	0.00
52	CM	Toluene	0.936	0.966	-3.2#	63	0.00
53	T	t-1,3-Dichloropropene	0.538	0.562	-4.5	63	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.617	-4.9	63	0.00
55	T	1,1,2-Trichloroethane	0.351	0.384	-9.4	68	0.00
56	T	Ethyl methacrylate	0.520	0.589	-13.3	66	0.00
57	T	1,3-Dichloropropane	0.610	0.658	-7.9	67	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.296	-2.4	61	0.00
59	T	2-Hexanone	0.297	0.345	-16.2	67	0.00
60	T	Dibromochloromethane	0.412	0.448	-8.7	67	0.00
61	T	1,2-Dibromoethane	0.367	0.399	-8.7	67	0.00
62	S	4-Bromofluorobenzene	0.431	0.428	0.7	70	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	67	0.00
64	T	Tetrachloroethene	0.360	0.349	3.1	62	0.00
65	PM	Chlorobenzene	1.171	1.184	-1.1	65	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.417	-5.8	67	0.00
67	C	Ethyl Benzene	2.048	2.053	-0.2#	63	0.00
68	T	m/p-Xylenes	0.766	0.773	-0.9	63	0.00
69	T	o-Xylene	0.729	0.745	-2.2	64	0.00
70	T	Styrene	1.250	1.297	-3.8	64	0.00
71	P	Bromoform	0.300	0.324	-8.0	67	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	70	0.00
73	T	Isopropylbenzene	3.945	3.857	2.2	62	0.00
74	T	N-amyl acetate	1.592	1.625	-2.1	64	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.184	-5.1	68	0.00
76	T	1,2,3-Trichloropropane	0.925	0.954	-3.1	67	0.00
77	T	Bromobenzene	0.946	0.959	-1.4	66	0.00
78	T	n-propylbenzene	4.714	4.599	2.4	63	0.00
79	T	2-Chlorotoluene	2.818	2.750	2.4	63	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.221	1.2	64	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.193	46.2#	34#	0.00
82	T	4-Chlorotoluene	3.289	3.264	0.8	64	0.00
83	T	tert-Butylbenzene	3.271	3.199	2.2	62	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.228	0.7	63	0.00
85	T	sec-Butylbenzene	4.087	3.893	4.7	62	0.00
86	T	p-Isopropyltoluene	3.389	3.290	2.9	62	0.00
87	T	1,3-Dichlorobenzene	1.798	1.804	-0.3	66	0.00
88	T	1,4-Dichlorobenzene	1.821	1.773	2.6	65	0.00
89	T	n-Butylbenzene	3.178	2.998	5.7	60	0.00
90	T	Hexachloroethane	0.606	0.594	2.0	63	0.00
91	T	1,2-Dichlorobenzene	1.718	1.708	0.6	65	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.232	-7.4	68	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.133	0.2	65	0.00
94	T	Hexachlorobutadiene	0.386	0.361	6.5	62	0.00
95	T	Naphthalene	3.328	3.447	-3.6	64	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047309.D
Acq On : 13 Aug 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 03:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	1.081	1.2	64	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

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Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

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Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	65	0.00
2	T	Dichlorodifluoromethane	50.000	51.465	-2.9	58	0.00
3	P	Chloromethane	50.000	46.408	7.2	57	0.00
4	C	Vinyl Chloride	50.000	51.117	-2.2#	60	0.00
5	T	Bromomethane	50.000	50.837	-1.7	57	0.00
6	T	Chloroethane	50.000	47.427	5.1	61	0.00
7	T	Trichlorofluoromethane	50.000	50.571	-1.1	60	0.00
8	T	Diethyl Ether	50.000	54.146	-8.3	67	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.350	1.3	61	0.00
10	T	Methyl Iodide	50.000	83.845	-67.7#	97	0.00
11	T	Tert butyl alcohol	250.000	266.119	-6.4	69	0.00
12	CM	1,1-Dichloroethene	50.000	49.935	0.1#	61	0.00
13	T	Acrolein	250.000	389.062	-55.6#	98	0.00
14	T	Allyl chloride	50.000	49.389	1.2	59	0.00
15	T	Acrylonitrile	250.000	280.076	-12.0	66	0.00
16	T	Acetone	250.000	291.855	-16.7	76	0.00
17	T	Carbon Disulfide	50.000	47.171	5.7	58	0.00
18	T	Methyl Acetate	50.000	61.331	-22.7	77	0.00
19	T	Methyl tert-butyl Ether	50.000	55.387	-10.8	67	0.00
20	T	Methylene Chloride	50.000	52.043	-4.1	65	0.00
21	T	trans-1,2-Dichloroethene	50.000	51.205	-2.4	62	0.00
22	T	Diisopropyl ether	50.000	53.638	-7.3	65	0.00
23	T	Vinyl Acetate	250.000	277.255	-10.9	65	0.00
24	P	1,1-Dichloroethane	50.000	50.758	-1.5	62	0.00
25	T	2-Butanone	250.000	258.198	-3.3	63	0.00
26	T	2,2-Dichloropropane	50.000	50.208	-0.4	63	0.00
27	T	cis-1,2-Dichloroethene	50.000	52.320	-4.6	64	0.00
28	T	Bromochloromethane	50.000	53.820	-7.6	64	0.00
29	T	Tetrahydrofuran	250.000	250.372	-0.1	60	0.00
30	C	Chloroform	50.000	51.555	-3.1#	65	0.00
31	T	Cyclohexane	50.000	46.334	7.3	58	0.00
32	T	1,1,1-Trichloroethane	50.000	50.322	-0.6	63	0.00
33	S	1,2-Dichloroethane-d4	50.000	48.737	2.5	69	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	67	0.00
35	S	Dibromofluoromethane	50.000	51.627	-3.3	72	0.00
36	T	1,1-Dichloropropene	50.000	48.290	3.4	62	0.00
37	T	Ethyl Acetate	50.000	57.925	-15.8	73	0.00
38	T	Carbon Tetrachloride	50.000	48.263	3.5	61	0.00
39	T	Methylcyclohexane	50.000	45.966	8.1	57	0.00
40	TM	Benzene	50.000	51.034	-2.1	63	0.00
41	T	Methacrylonitrile	50.000	51.663	-3.3	60	0.00
42	TM	1,2-Dichloroethane	50.000	53.804	-7.6	67	0.00
43	T	Isopropyl Acetate	50.000	55.423	-10.8	66	0.00
44	TM	Trichloroethene	50.000	49.765	0.5	62	0.00
45	C	1,2-Dichloropropane	50.000	51.888	-3.8#	64	0.00
46	T	Dibromomethane	50.000	55.078	-10.2	67	0.00
47	T	Bromodichloromethane	50.000	53.254	-6.5	65	0.00
48	T	Methyl methacrylate	50.000	52.829	-5.7	66	0.00

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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	1042.543	-4.3	62	0.02
50	S	Toluene-d8	50.000	43.990	12.0	63	0.00
51	T	4-Methyl-2-Pentanone	250.000	274.116	-9.6	66	0.00
52	CM	Toluene	50.000	51.598	-3.2#	63	0.00
53	T	t-1,3-Dichloropropene	50.000	52.270	-4.5	63	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.423	-4.8	63	0.00
55	T	1,1,2-Trichloroethane	50.000	54.707	-9.4	68	0.00
56	T	Ethyl methacrylate	50.000	56.604	-13.2	66	0.00
57	T	1,3-Dichloropropane	50.000	53.892	-7.8	67	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	255.533	-2.2	61	0.00
59	T	2-Hexanone	250.000	290.316	-16.1	67	0.00
60	T	Dibromochloromethane	50.000	54.334	-8.7	67	0.00
61	T	1,2-Dibromoethane	50.000	54.281	-8.6	67	0.00
62	S	4-Bromofluorobenzene	50.000	49.666	0.7	70	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	67	0.00
64	T	Tetrachloroethene	50.000	48.451	3.1	62	0.00
65	PM	Chlorobenzene	50.000	50.536	-1.1	65	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.854	-5.7	67	0.00
67	C	Ethyl Benzene	50.000	50.127	-0.3#	63	0.00
68	T	m/p-Xylenes	100.000	100.800	-0.8	63	0.00
69	T	o-Xylene	50.000	51.121	-2.2	64	0.00
70	T	Styrene	50.000	51.852	-3.7	64	0.00
71	P	Bromoform	50.000	54.108	-8.2	67	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	70	0.00
73	T	Isopropylbenzene	50.000	48.889	2.2	62	0.00
74	T	N-amyl acetate	50.000	51.043	-2.1	64	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.547	-5.1	68	0.00
76	T	1,2,3-Trichloropropane	50.000	51.525	-3.0	67	0.00
77	T	Bromobenzene	50.000	50.657	-1.3	66	0.00
78	T	n-propylbenzene	50.000	48.787	2.4	63	0.00
79	T	2-Chlorotoluene	50.000	48.791	2.4	63	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.416	1.2	64	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	26.822	46.4#	34	0.00
82	T	4-Chlorotoluene	50.000	49.625	0.8	64	0.00
83	T	tert-Butylbenzene	50.000	48.901	2.2	62	0.00
84	T	1,2,4-Trimethylbenzene	50.000	49.654	0.7	63	0.00
85	T	sec-Butylbenzene	50.000	47.627	4.7	62	0.00
86	T	p-Isopropyltoluene	50.000	48.530	2.9	62	0.00
87	T	1,3-Dichlorobenzene	50.000	50.187	-0.4	66	0.00
88	T	1,4-Dichlorobenzene	50.000	48.680	2.6	65	0.00
89	T	n-Butylbenzene	50.000	47.162	5.7	60	0.00
90	T	Hexachloroethane	50.000	48.954	2.1	63	0.00
91	T	1,2-Dichlorobenzene	50.000	49.711	0.6	65	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	53.598	-7.2	68	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.902	0.2	65	0.00
94	T	Hexachlorobutadiene	50.000	46.711	6.6	62	0.00
95	T	Naphthalene	50.000	51.782	-3.6	64	0.00

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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	49.440	1.1	64	0.00

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	FIRS02
Lab Code:	ACE	SDG No.:	Q2814
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/13/2025 19:50
Lab File ID:	VX047334.D	Init. Calib. Date(s):	07/21/2025 07/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.664	0.657		-1.05	50
Chloromethane	0.657	0.606	0.1	-7.76	50
Vinyl Chloride	0.706	0.731		3.54	50
Bromomethane	0.384	0.291		-24.22	50
Chloroethane	0.464	0.448		-3.45	50
Trichlorofluoromethane	1.053	1.047		-0.57	50
1,1,2-Trichlorotrifluoroethane	0.634	0.604		-4.73	50
1,1-Dichloroethene	0.628	0.637		1.43	50
Acetone	0.250	0.288		15.2	50
Carbon Disulfide	1.818	1.741		-4.24	50
Methyl tert-butyl Ether	1.912	2.191		14.59	50
Methyl Acetate	0.663	0.916		38.16	50
Methylene Chloride	0.686	0.758		10.5	50
trans-1,2-Dichloroethene	0.643	0.682		6.07	50
1,1-Dichloroethane	1.214	1.312	0.1	8.07	50
Cyclohexane	1.164	1.071		-7.99	50
2-Butanone	0.363	0.417		14.88	50
Carbon Tetrachloride	0.562	0.544		-3.2	50
cis-1,2-Dichloroethene	0.761	0.834		9.59	50
Bromochloromethane	0.559	0.638		14.13	50
Chloroform	1.236	1.343		8.66	50
1,1,1-Trichloroethane	1.074	1.114		3.72	50
Methylcyclohexane	0.657	0.565		-14	50
Benzene	1.523	1.592		4.53	50
1,2-Dichloroethane	0.536	0.584		8.95	50
Trichloroethene	0.391	0.397		1.53	50
1,2-Dichloropropane	0.381	0.409		7.35	50
Bromodichloromethane	0.569	0.612		7.56	50
4-Methyl-2-Pentanone	0.449	0.537		19.6	50
Toluene	0.936	0.991		5.88	50
t-1,3-Dichloropropene	0.538	0.525		-2.42	50
cis-1,3-Dichloropropene	0.588	0.577		-1.87	50
1,1,2-Trichloroethane	0.351	0.396		12.82	50
2-Hexanone	0.297	0.377		26.94	50
Dibromochloromethane	0.412	0.461		11.89	50
1,2-Dibromoethane	0.367	0.404		10.08	50
Tetrachloroethene	0.360	0.440		22.22	50
Chlorobenzene	1.171	1.212	0.3	3.5	50

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

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:	FIRS02
Lab Code:	ACE	SDG No.:	Q2814
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/13/2025 19:50
Lab File ID:	VX047334.D	Init. Calib. Date(s):	07/21/2025 07/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.048	2.076		1.37	50
m/p-Xylenes	0.766	0.776		1.3	50
o-Xylene	0.729	0.762		4.53	50
Styrene	1.250	1.332		6.56	50
Bromoform	0.300	0.335	0.1	11.67	50
Isopropylbenzene	3.945	3.924		-0.53	50
1,1,2,2-Tetrachloroethane	1.127	1.259	0.3	11.71	50
1,3-Dichlorobenzene	1.798	1.844		2.56	50
1,4-Dichlorobenzene	1.821	1.856		1.92	50
1,2-Dichlorobenzene	1.718	1.778		3.49	50
1,2-Dibromo-3-Chloropropane	0.216	0.256		18.52	50
1,2,4-Trichlorobenzene	1.135	1.144		0.79	50
1,2,3-Trichlorobenzene	1.094	1.128		3.11	50
1,2-Dichloroethane-d4	0.623	0.700		12.36	50
Dibromofluoromethane	0.309	0.348		12.62	50
Toluene-d8	1.000	0.968		-3.2	50
4-Bromofluorobenzene	0.431	0.469		8.82	50

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\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	205236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	362249	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	328856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	162794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	143603	56.170	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.340%			
35) Dibromofluoromethane	5.403	113	126007	56.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.680%			
50) Toluene-d8	8.653	98	350581	48.401	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.800%			
62) 4-Bromofluorobenzene	11.079	95	169988	54.458	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	134761	49.434	ug/l	97
3) Chloromethane	1.312	50	124400	46.133	ug/l	98
4) Vinyl Chloride	1.392	62	150084	51.777	ug/l	100
5) Bromomethane	1.623	94	59720	37.927	ug/l	94
6) Chloroethane	1.703	64	91875	48.258	ug/l	95
7) Trichlorofluoromethane	1.904	101	214893	49.717	ug/l	97
8) Diethyl Ether	2.148	74	84668	55.556	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.349	101	123887	47.574	ug/l	99
10) Methyl Iodide	2.471	142	204203	76.942	ug/l	100
11) Tert butyl alcohol	2.971	59	87953	296.193	ug/l	100
12) 1,1-Dichloroethene	2.337	96	130702	50.675	ug/l	99
13) Acrolein	2.251	56	131419	238.735	ug/l	100
14) Allyl chloride	2.684	41	227169	48.725	ug/l	99
15) Acrylonitrile	3.080	53	370745	304.062	ug/l	100
16) Acetone	2.392	43	295467	288.492	ug/l	99
17) Carbon Disulfide	2.532	76	357217	47.874	ug/l	100
18) Methyl Acetate	2.721	43	187953	69.057	ug/l	98
19) Methyl tert-butyl Ether	3.129	73	449689	57.288	ug/l	99
20) Methylene Chloride	2.806	84	155553	55.207	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	139920	53.013	ug/l	98
22) Diisopropyl ether	3.775	45	498100	55.568	ug/l	96
23) Vinyl Acetate	3.739	43	1952315	271.550	ug/l	100
24) 1,1-Dichloroethane	3.629	63	269276	54.022	ug/l	99
25) 2-Butanone	4.574	43	427466	286.642	ug/l	98
26) 2,2-Dichloropropane	4.495	77	119393	30.943	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	171179	54.770	ug/l	93
28) Bromochloromethane	4.915	49	130854	57.062	ug/l	98
29) Tetrahydrofuran	5.025	42	282886	293.999	ug/l	98
30) Chloroform	5.111	83	275564	54.310	ug/l	98
31) Cyclohexane	5.489	56	219791	45.987	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	228701	51.894	ug/l	99
36) 1,1-Dichloropropene	5.708	75	182035	47.746	ug/l	99
37) Ethyl Acetate	4.733	43	216655	61.671	ug/l	97
38) Carbon Tetrachloride	5.690	117	197096	48.436	ug/l	99
39) Methylcyclohexane	7.391	83	204641	42.990	ug/l	94
40) Benzene	6.049	78	576594	52.258	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	98648	53.704	ug/l		93
42) 1,2-Dichloroethane	6.098	62	211626	54.449	ug/l		99
43) Isopropyl Acetate	6.348	43	321876	58.771	ug/l		100
44) Trichloroethene	7.135	130	143842	50.839	ug/l		99
45) 1,2-Dichloropropane	7.439	63	148168	53.617	ug/l		97
46) Dibromomethane	7.586	93	109285	56.394	ug/l		99
47) Bromodichloromethane	7.824	83	221607	53.726	ug/l		96
48) Methyl methacrylate	7.695	41	166691	55.869	ug/l		99
49) 1,4-Dioxane	7.677	88	37215	1096.675	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	971754	298.510	ug/l		99
52) Toluene	8.720	92	358851	52.894	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	190007	48.781	ug/l		98
54) cis-1,3-Dichloropropene	8.372	75	208919	49.007	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	143591	56.437	ug/l		98
56) Ethyl methacrylate	9.116	69	226969	60.258	ug/l		98
57) 1,3-Dichloropropane	9.311	76	241487	54.612	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	520399	248.283	ug/l		100
59) 2-Hexanone	9.433	43	682075	317.134	ug/l		100
60) Dibromochloromethane	9.524	129	166965	55.953	ug/l		99
61) 1,2-Dibromoethane	9.610	107	146279	54.984	ug/l		97
64) Tetrachloroethene	9.274	164	144828	61.091	ug/l		97
65) Chlorobenzene	10.079	112	398565	51.735	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	138574	53.426	ug/l		99
67) Ethyl Benzene	10.195	91	682645	50.679	ug/l		99
68) m/p-Xylenes	10.299	106	510341	101.242	ug/l		99
69) o-Xylene	10.640	106	250637	52.266	ug/l		99
70) Styrene	10.652	104	437969	53.262	ug/l		99
71) Bromoform	10.799	173	110290	55.976	ug/l	#	99
73) Isopropylbenzene	10.963	105	638868	49.743	ug/l		100
74) N-amyl acetate	10.841	43	276966	53.447	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	204903	55.852	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	160522m	53.272	ug/l		
77) Bromobenzene	11.195	156	162977	52.905	ug/l		98
78) n-propylbenzene	11.305	91	759407	49.480	ug/l		100
79) 2-Chlorotoluene	11.366	91	464143	50.591	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	535382	50.457	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23329	19.947	ug/l		98
82) 4-Chlorotoluene	11.451	91	547556	51.133	ug/l		99
83) tert-Butylbenzene	11.713	119	497590	46.723	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	541887	51.202	ug/l		100
85) sec-Butylbenzene	11.890	105	642655	48.296	ug/l		99
86) p-Isopropyltoluene	12.006	119	539743	48.913	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	300174	51.283	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	302162	50.953	ug/l		98
89) n-Butylbenzene	12.329	91	491481	47.494	ug/l		98
90) Hexachloroethane	12.536	117	94390	47.815	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	289391	51.730	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41702	59.218	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	186188	50.374	ug/l		99
94) Hexachlorobutadiene	13.725	225	58740	46.730	ug/l		98
95) Naphthalene	13.774	128	624659	57.649	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	183699	51.589	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

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

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

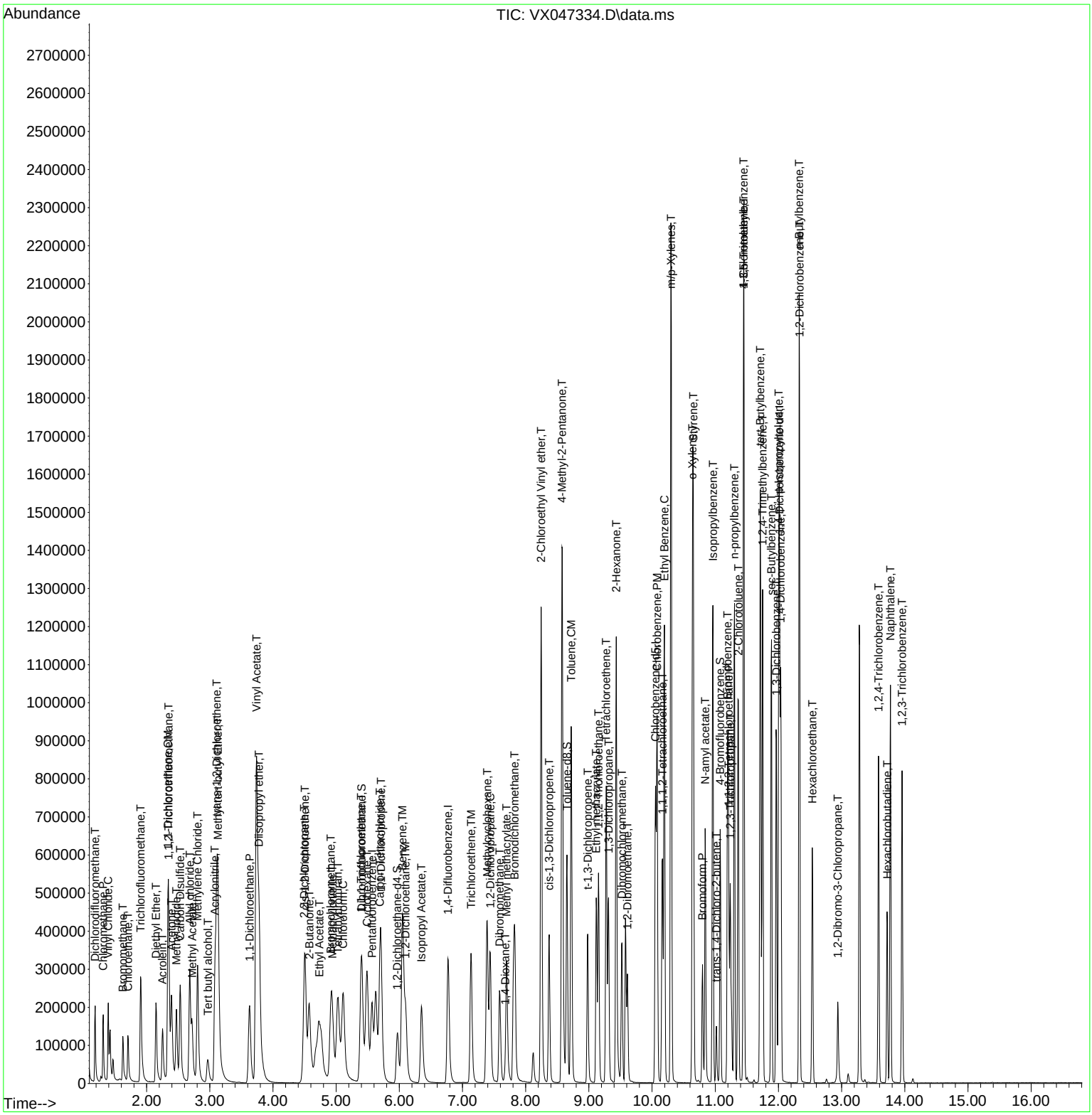
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

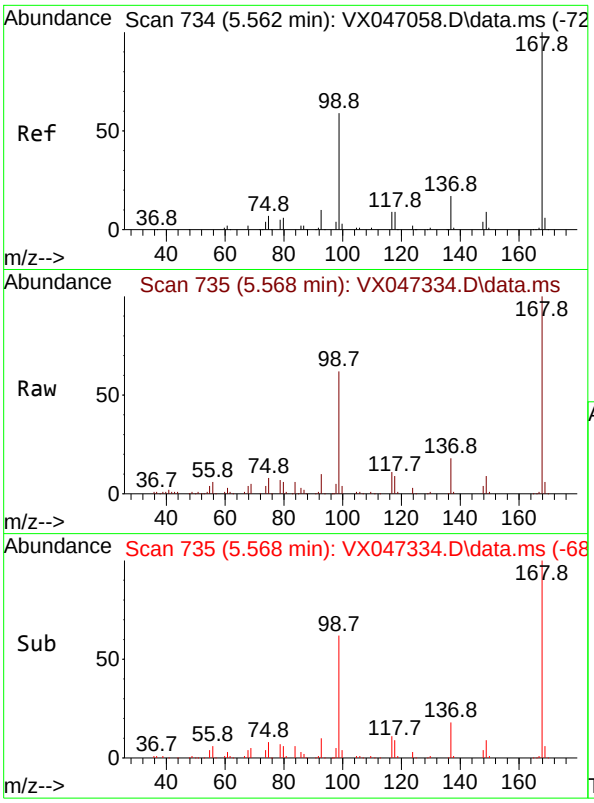
Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

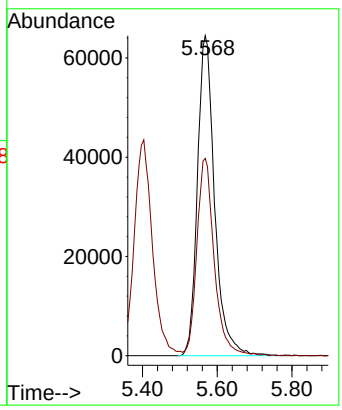




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:168 Resp: 20523

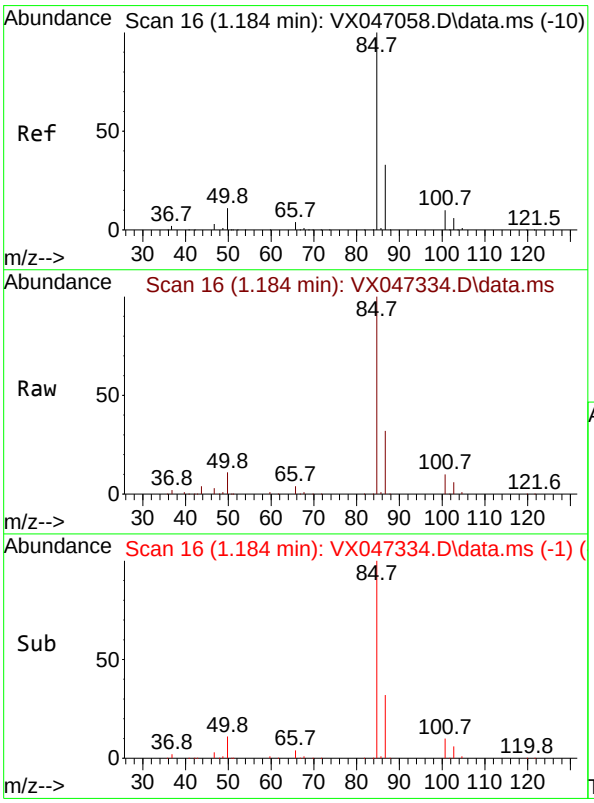
Ion	Ratio	Lower	Upper
168	100		
99	61.5	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

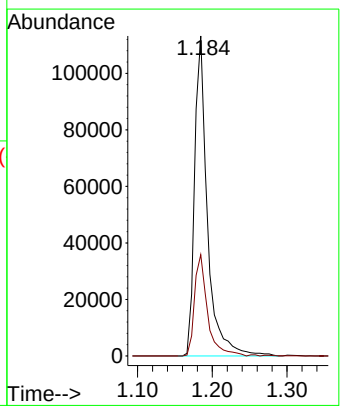
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

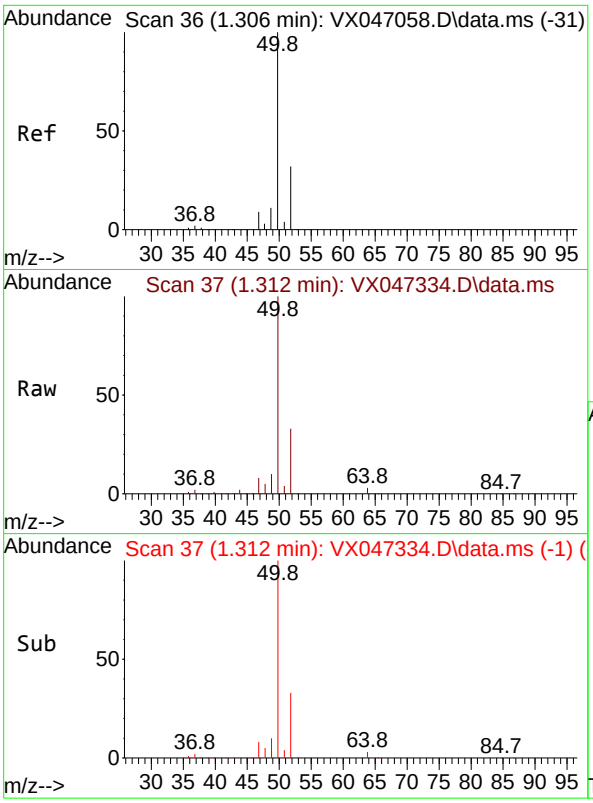


#2
Dichlorodifluoromethane
Concen: 49.434 ug/l
RT: 1.184 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 85 Resp: 134761

Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.6	49.8

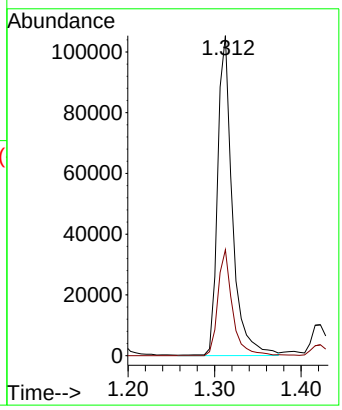




#3
Chloromethane
Concen: 46.133 ug/l
RT: 1.312 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 50 Resp: 12440

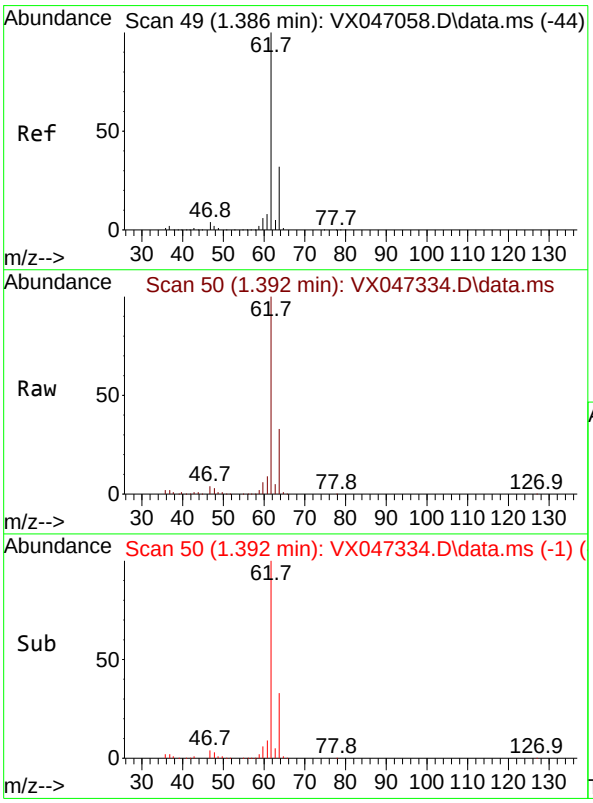
Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

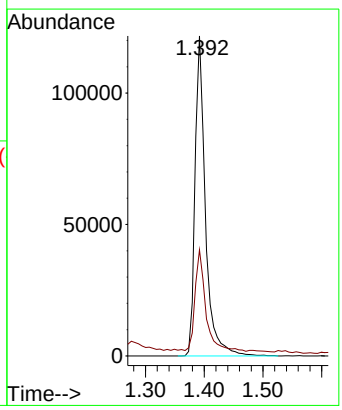
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

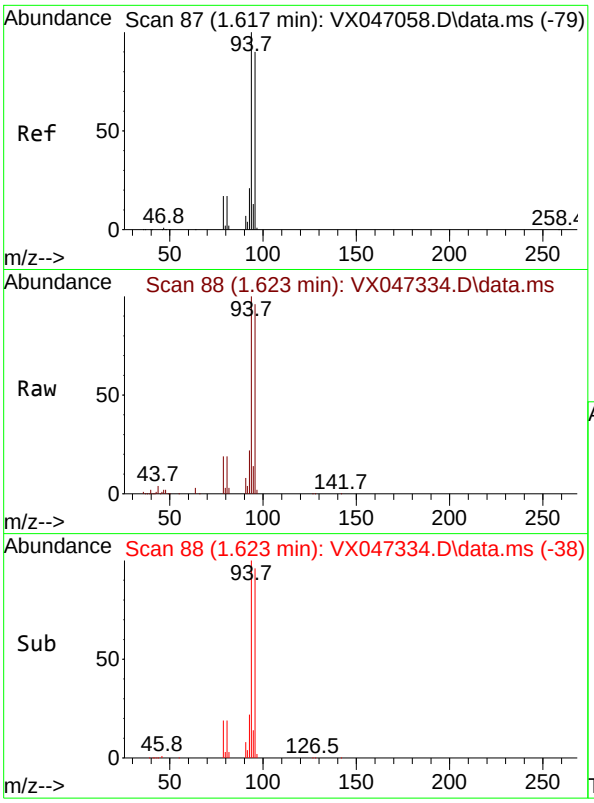


#4
Vinyl Chloride
Concen: 51.777 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 62 Resp: 150084

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.2	37.8

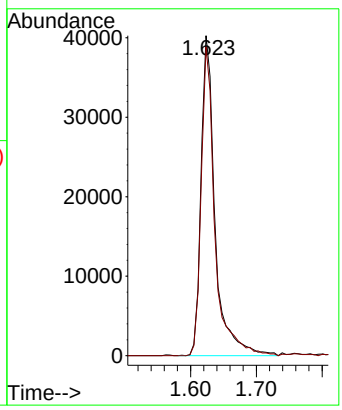




#5
Bromomethane
Concen: 37.927 ug/l
RT: 1.623 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 94 Resp: 5972

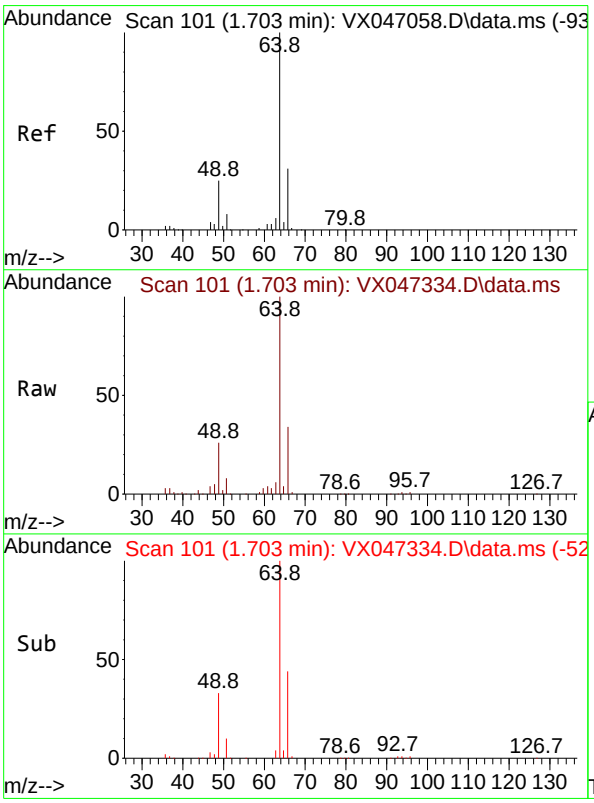
Ion	Ratio	Lower	Upper
94	100		
96	96.5	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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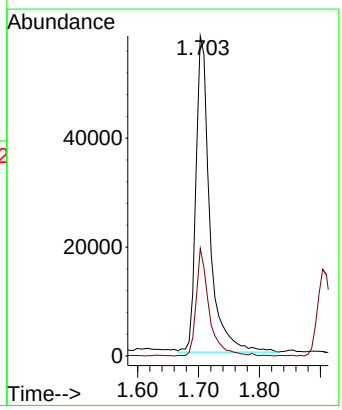
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

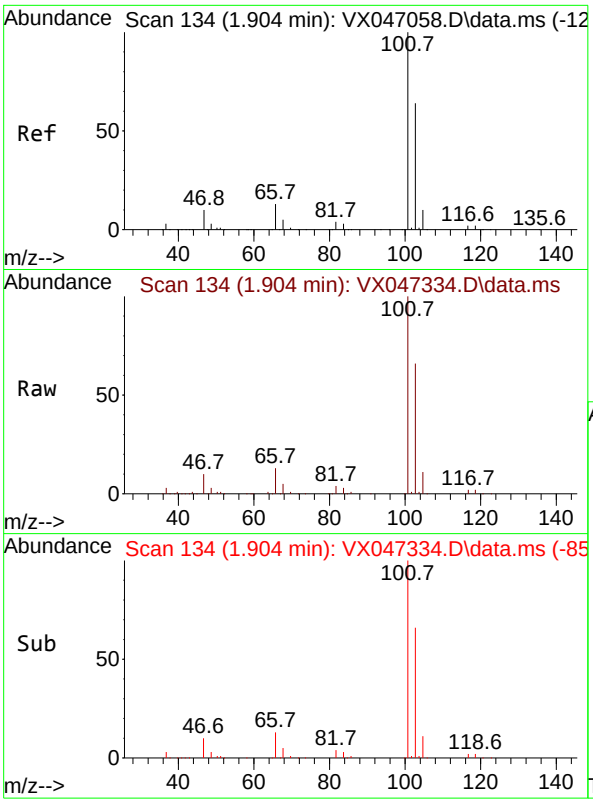


#6
Chloroethane
Concen: 48.258 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 64 Resp: 91875

Ion	Ratio	Lower	Upper
64	100		
66	33.9	25.0	37.6





#7
Trichlorofluoromethane
Concen: 49.717 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

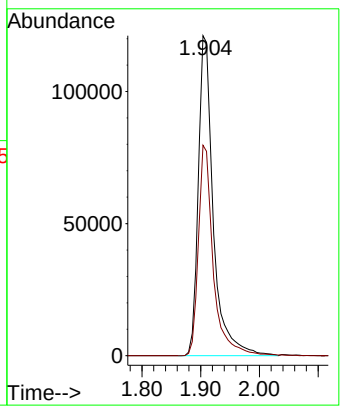
Tgt Ion:101 Resp: 21489

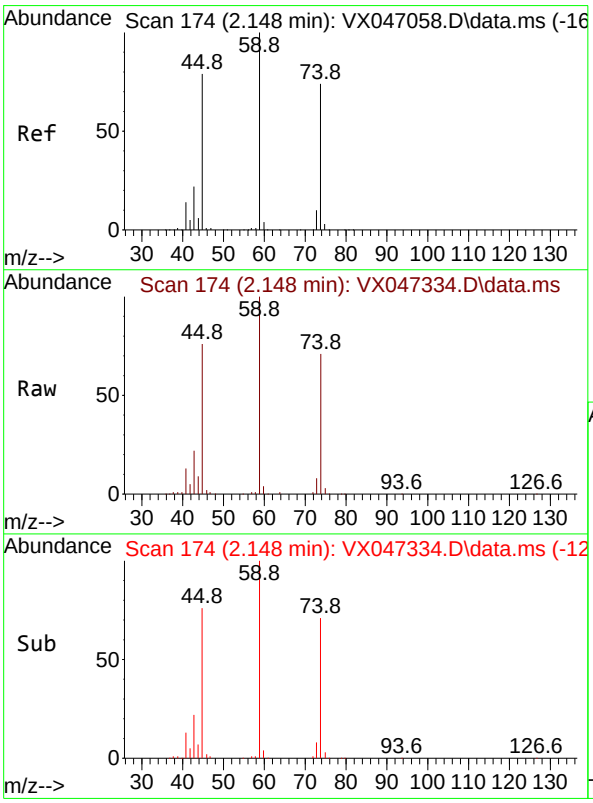
Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.9	76.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

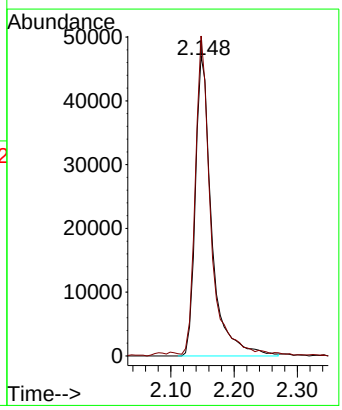


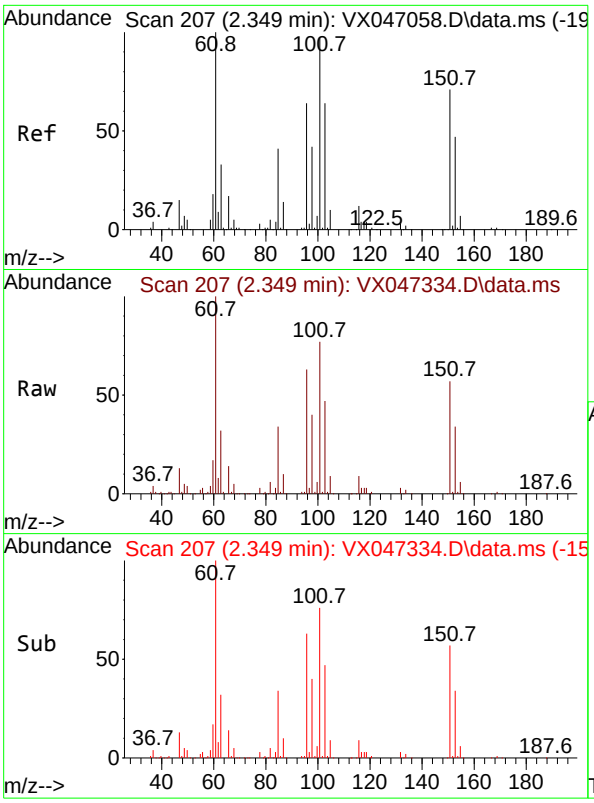


#8
Diethyl Ether
Concen: 55.556 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 74 Resp: 84668

Ion	Ratio	Lower	Upper
74	100		
45	100.3	53.0	159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.574 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

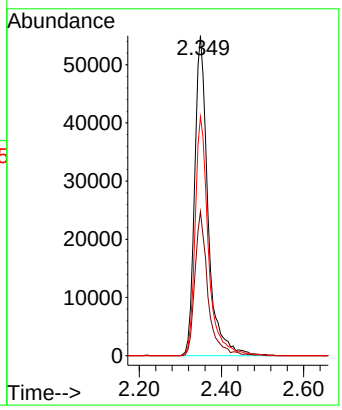
Tgt Ion:101 Resp: 12388

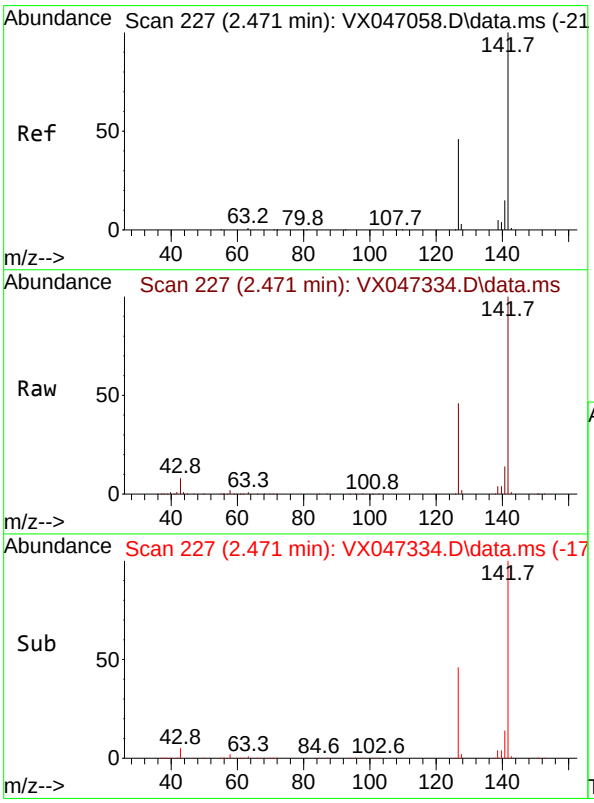
Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.4	53.0
151	74.6	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

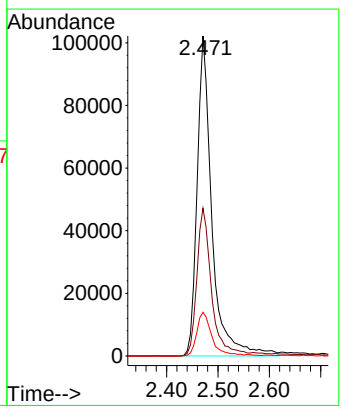


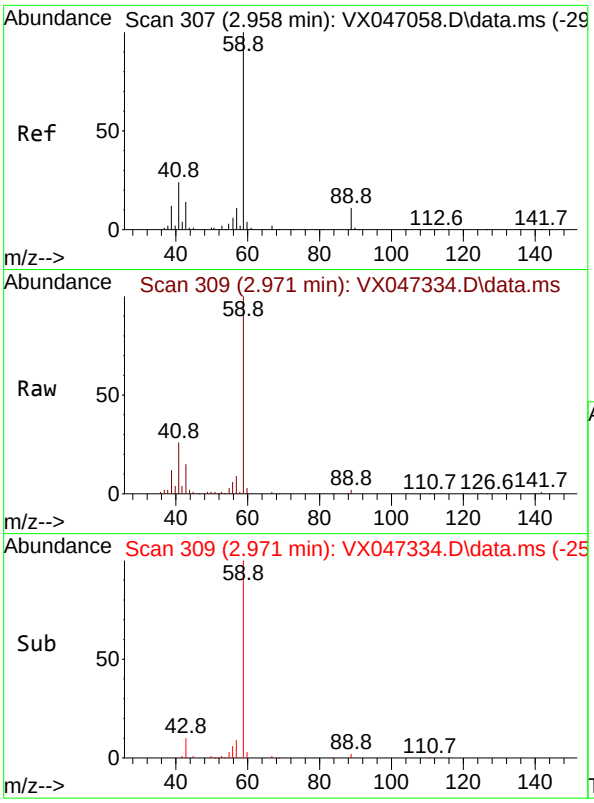


#10
Methyl Iodide
Concen: 76.942 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:142 Resp: 204203

Ion	Ratio	Lower	Upper
142	100		
127	45.6	36.6	54.8
141	14.1	10.9	16.3

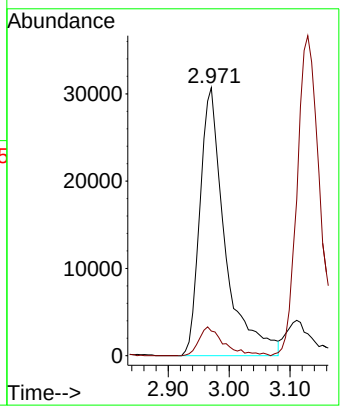




#11
Tert butyl alcohol
Concen: 296.193 ug/l
RT: 2.971 min Scan# 3
Delta R.T. 0.013 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 59 Resp: 8795

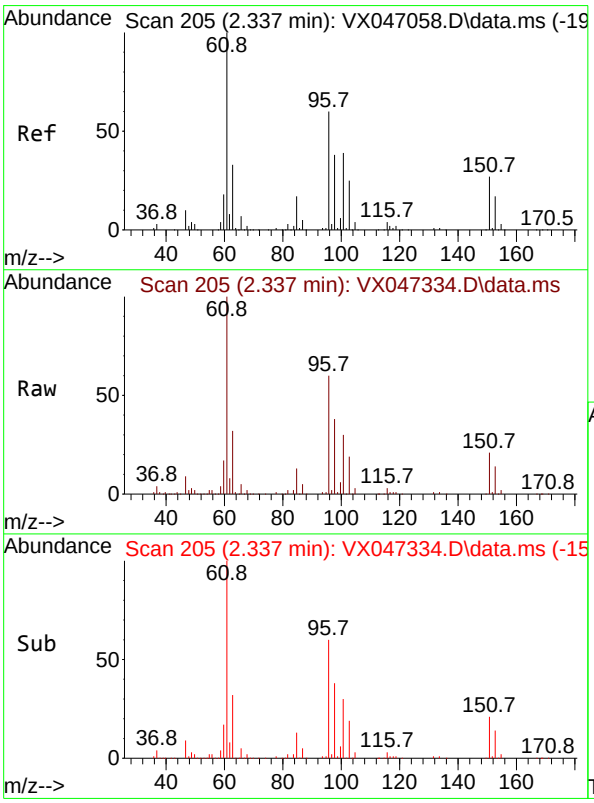
Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

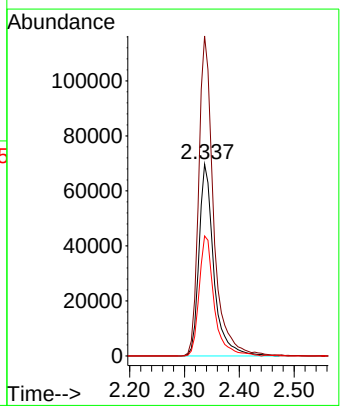
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

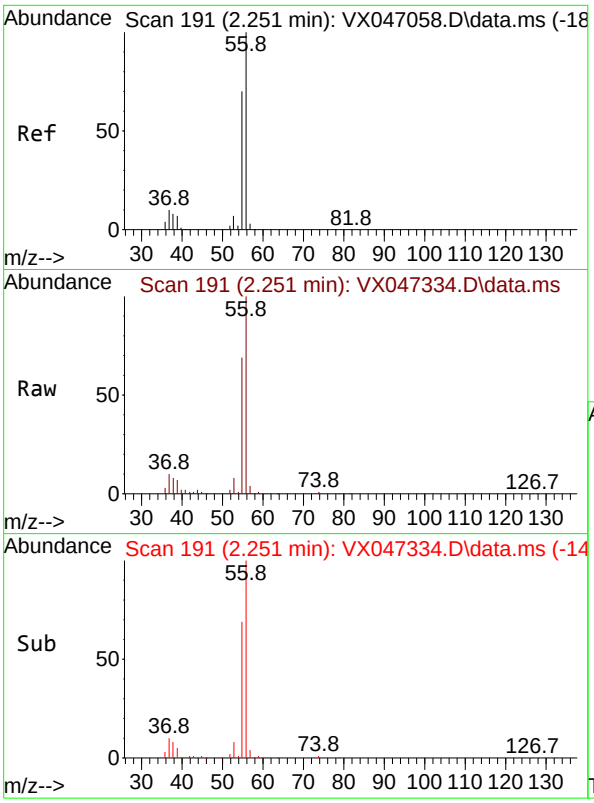


#12
1,1-Dichloroethene
Concen: 50.675 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 96 Resp: 130702

Ion	Ratio	Lower	Upper
96	100		
61	166.8	132.6	198.8
98	62.6	50.2	75.4

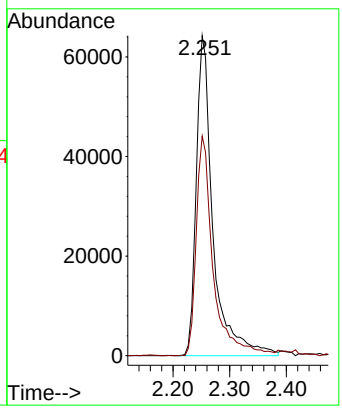




#13
Acrolein
Concen: 238.735 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 56 Resp: 13141

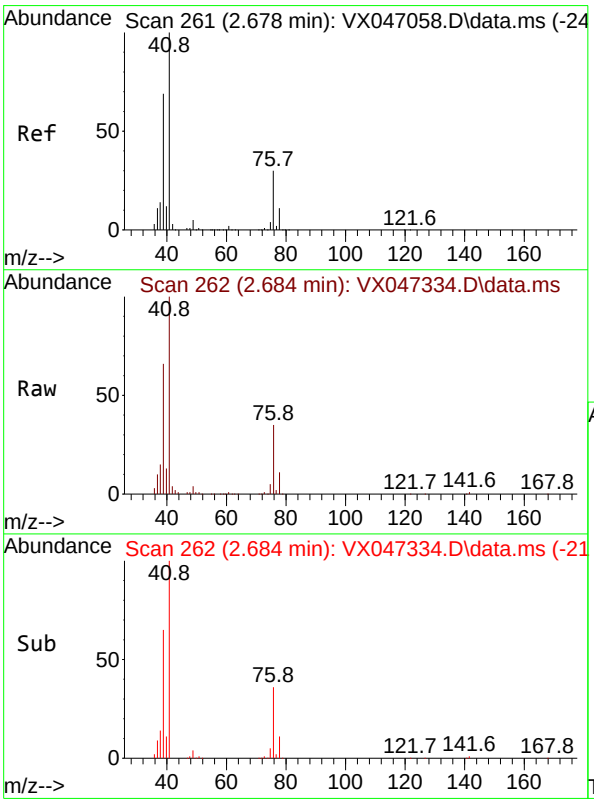
Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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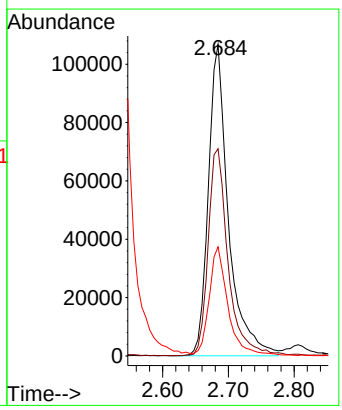
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

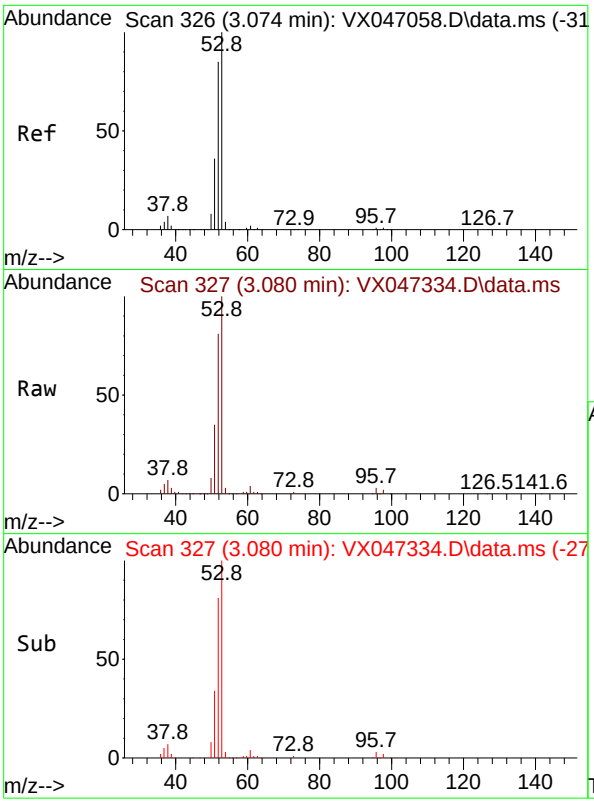


#14
Allyl chloride
Concen: 48.725 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 41 Resp: 227169

Ion	Ratio	Lower	Upper
41	100		
39	65.9	52.6	78.8
76	32.7	25.7	38.5

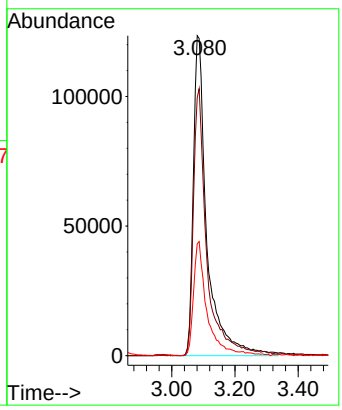




#15
Acrylonitrile
Concen: 304.062 ug/l
RT: 3.080 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 53 Resp: 37074

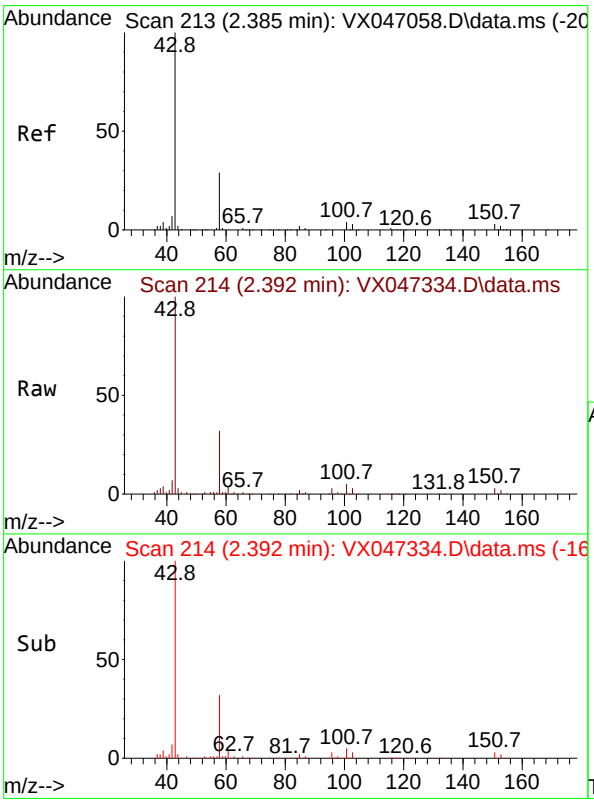
Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	35.7	28.8	43.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

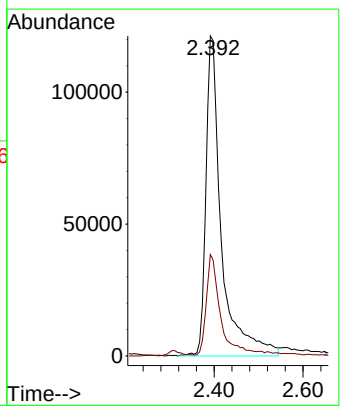
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

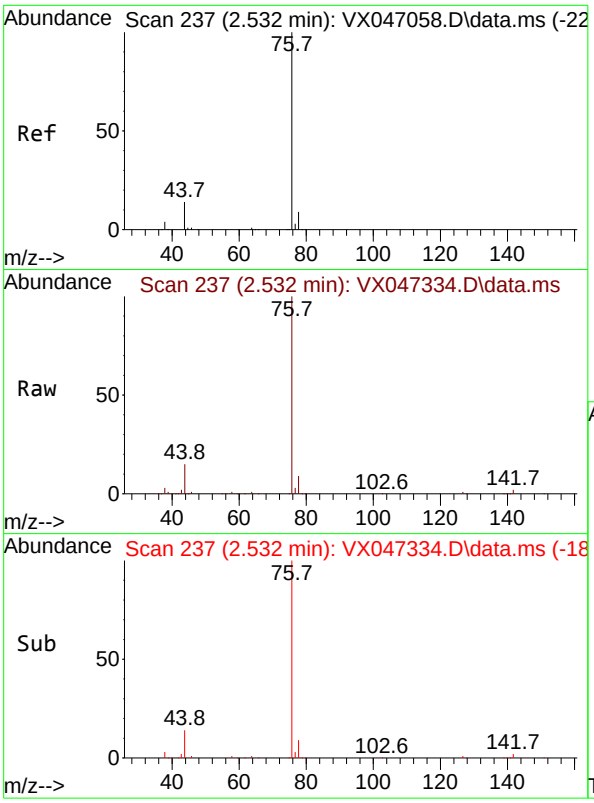


#16
Acetone
Concen: 288.492 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 43 Resp: 295467

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0

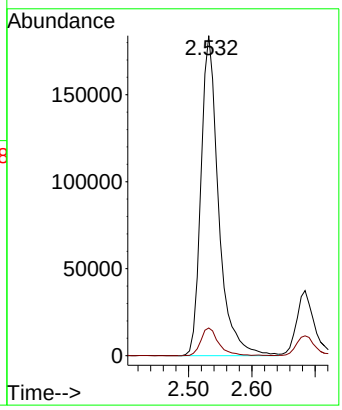




#17
Carbon Disulfide
Concen: 47.874 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 76 Resp: 35721

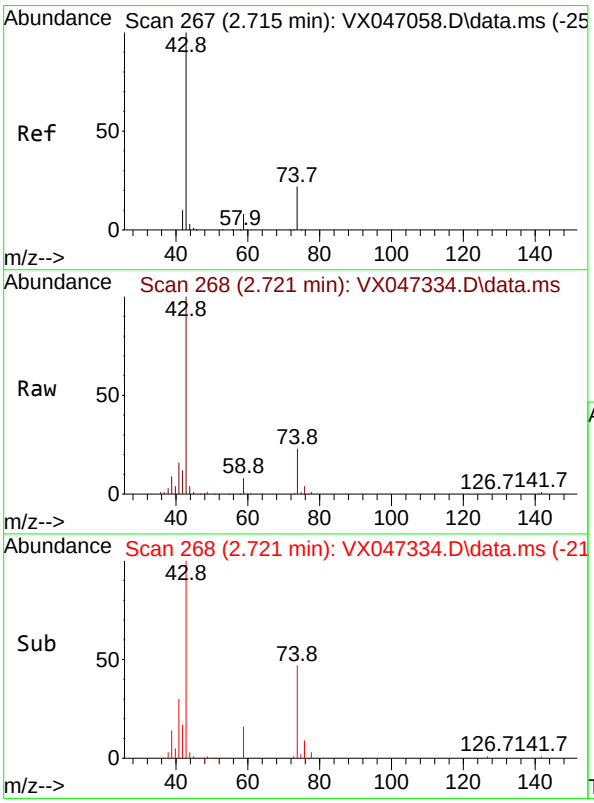
Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

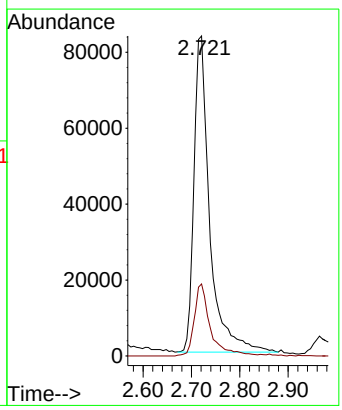
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

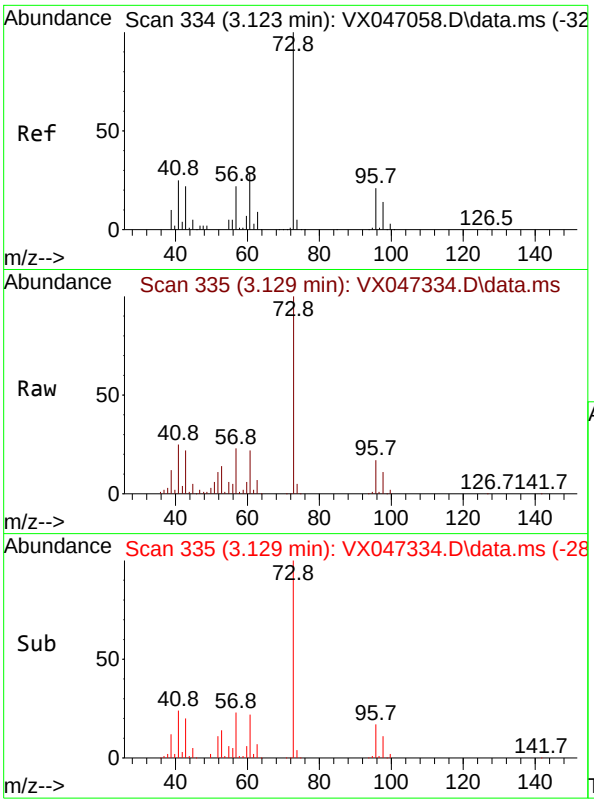


#18
Methyl Acetate
Concen: 69.057 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 43 Resp: 187953

Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.7	26.5

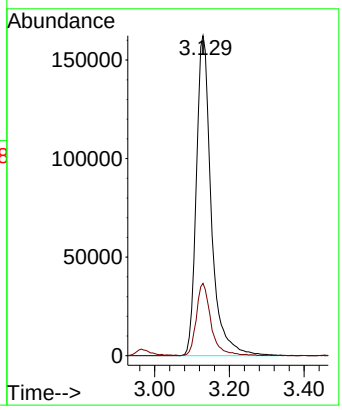




#19
Methyl tert-butyl Ether
Concen: 57.288 ug/l
RT: 3.129 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 73 Resp: 44968

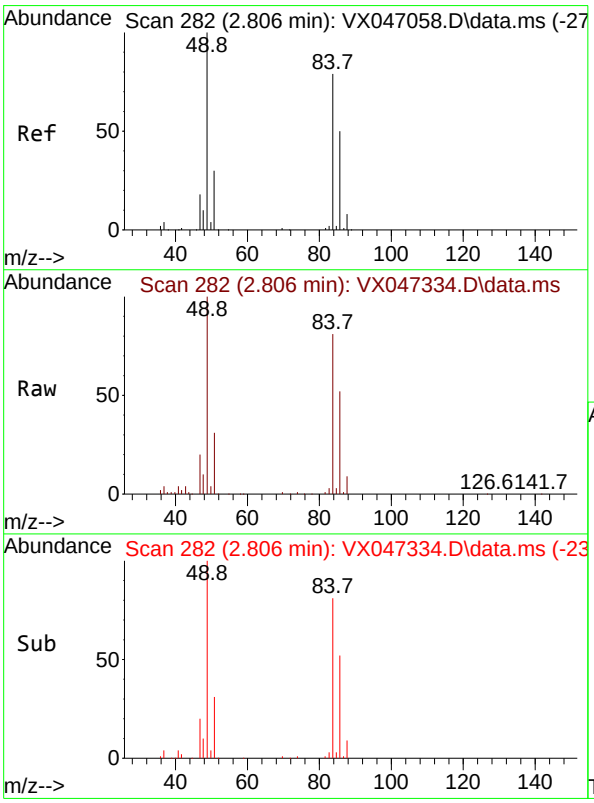
Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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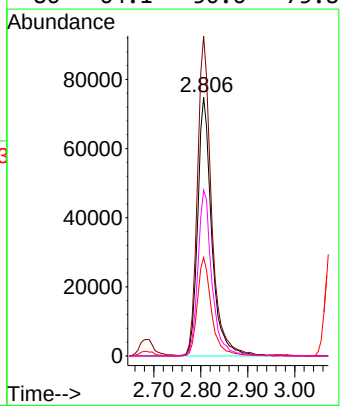
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

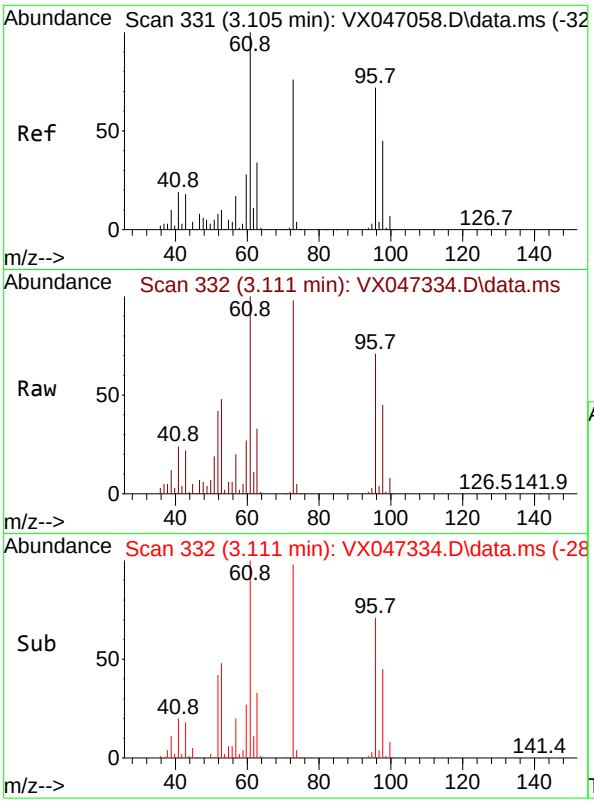


#20
Methylene Chloride
Concen: 55.207 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 84 Resp: 155553

Ion	Ratio	Lower	Upper
84	100		
49	123.5	101.6	152.4
51	37.9	30.3	45.5
86	64.1	50.6	75.8

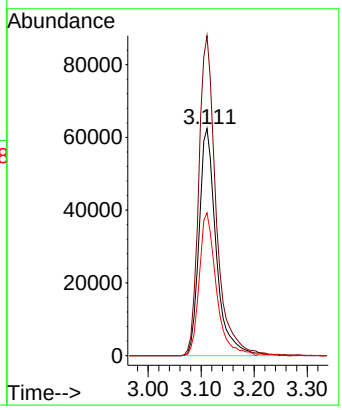




#21
trans-1,2-Dichloroethene
Concen: 53.013 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 96 Resp: 13992

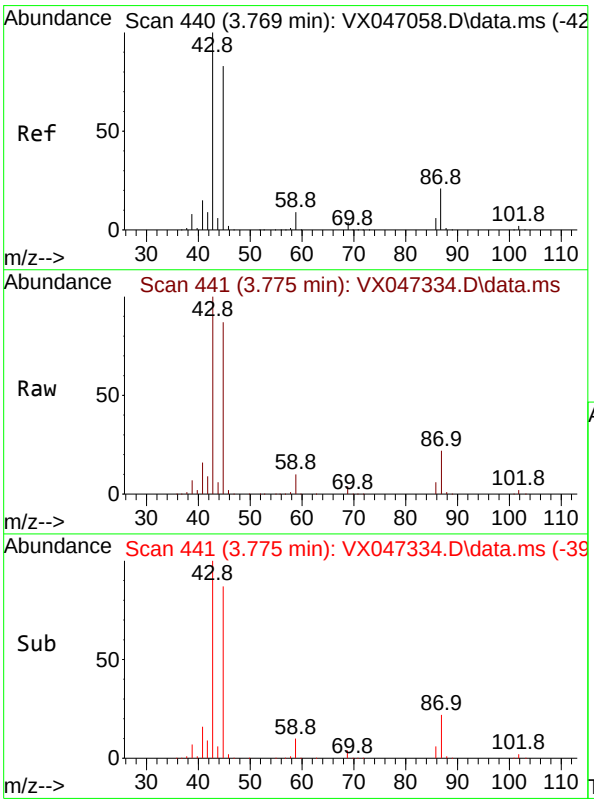
Ion	Ratio	Lower	Upper
96	100		
61	140.8	111.1	166.7
98	64.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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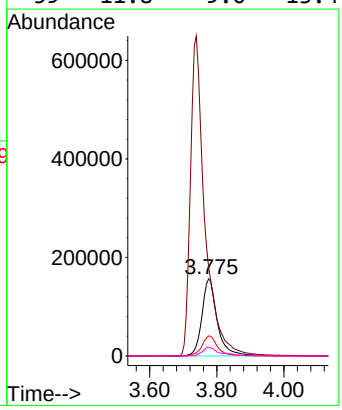
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

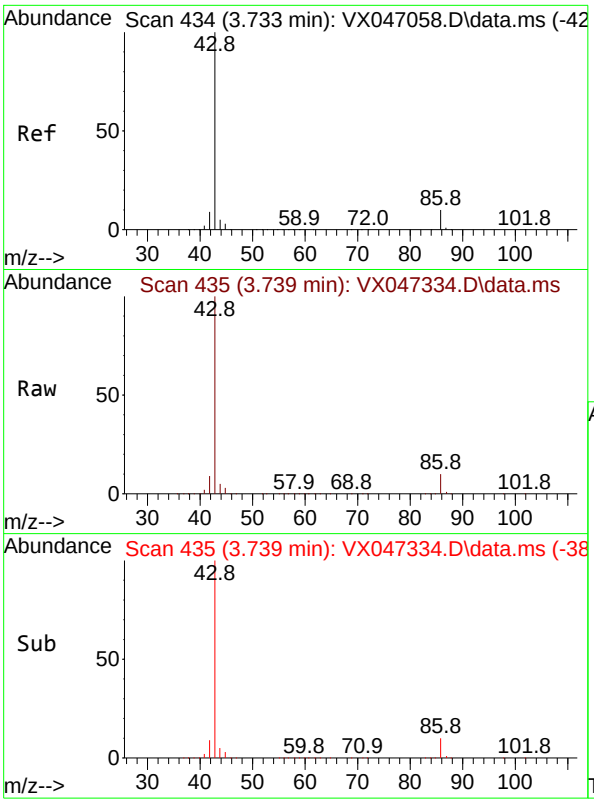


#22
Diisopropyl ether
Concen: 55.568 ug/l
RT: 3.775 min Scan# 441
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 45 Resp: 498100

Ion	Ratio	Lower	Upper
45	100		
43	115.2	96.8	145.2
87	25.9	20.5	30.7
59	11.8	9.0	13.4





#23
Vinyl Acetate
Concen: 271.550 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

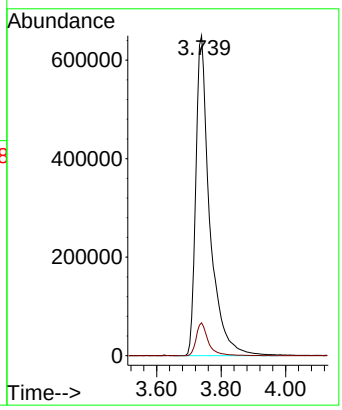
Tgt Ion: 43 Resp: 195231

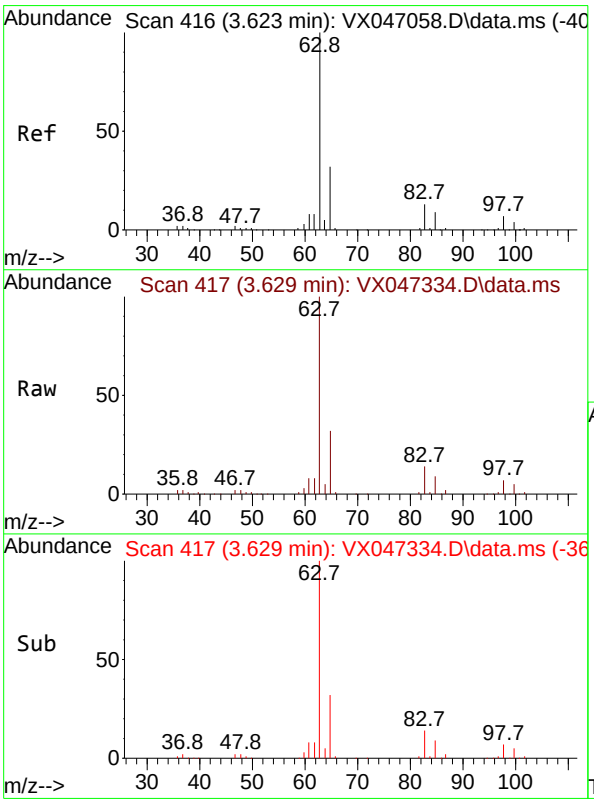
Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

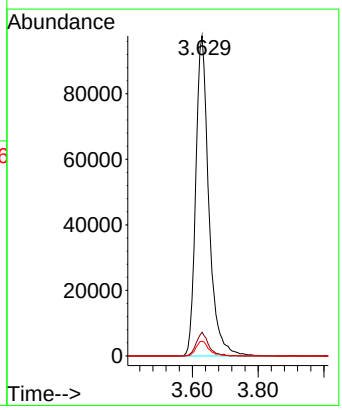


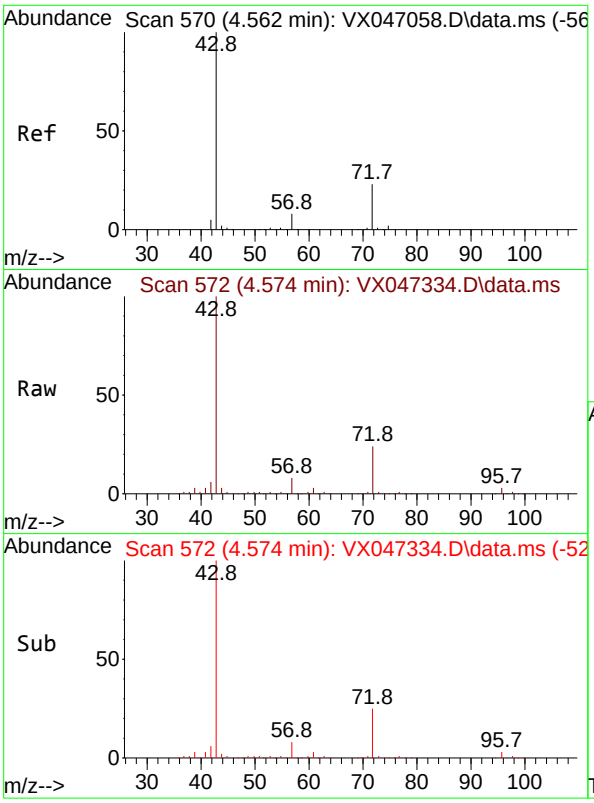


#24
1,1-Dichloroethane
Concen: 54.022 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 63 Resp: 269276

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.7	2.3	6.8

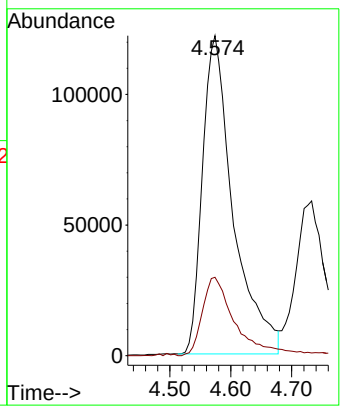




#25
2-Butanone
Concen: 286.642 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 43 Resp: 42746

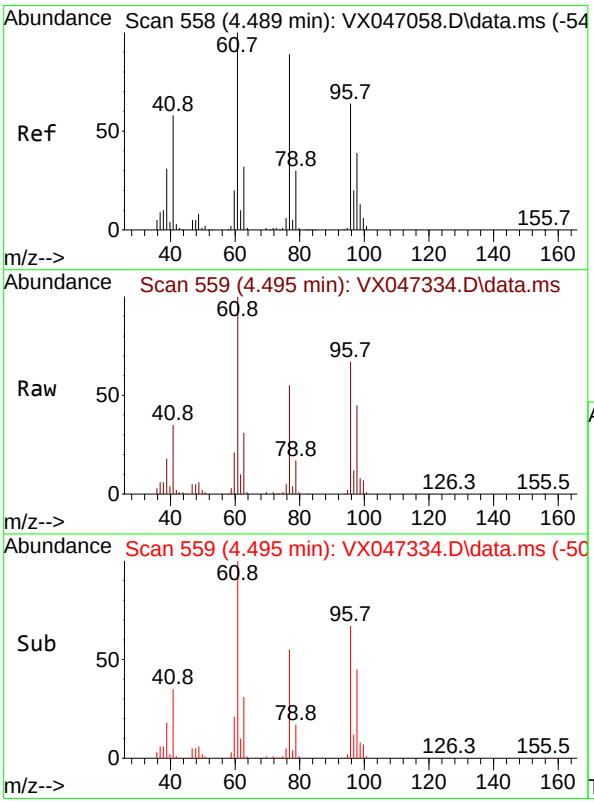
Ion	Ratio	Lower	Upper
43	100		
72	24.6	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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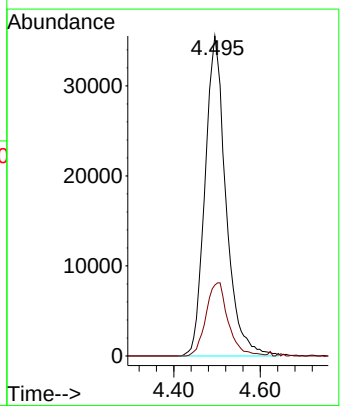
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

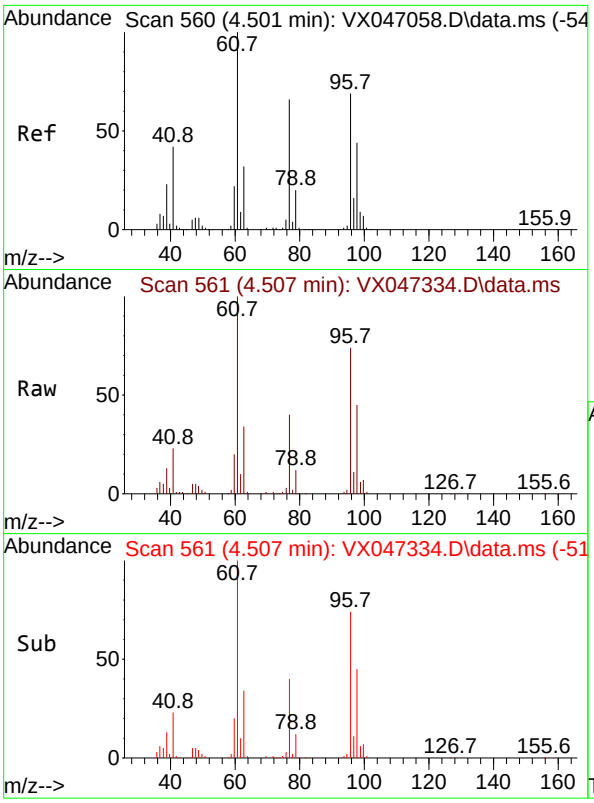


#26
2,2-Dichloropropane
Concen: 30.943 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 77 Resp: 119393

Ion	Ratio	Lower	Upper
77	100		
97	24.3	11.4	34.1

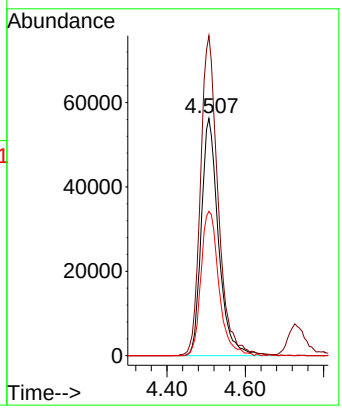




#27
cis-1,2-Dichloroethene
Concen: 54.770 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 96 Resp: 17117

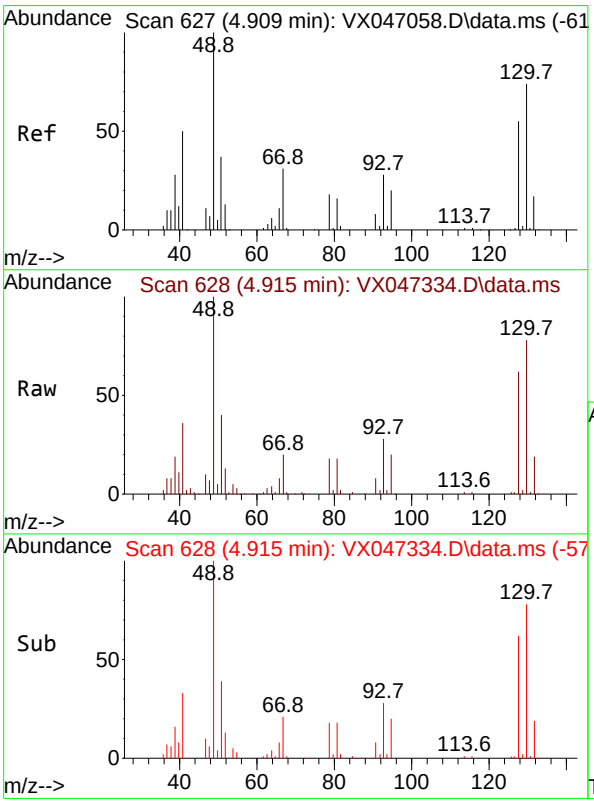
Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	298.6
98	63.3	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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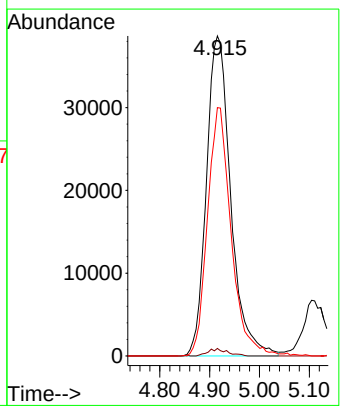
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

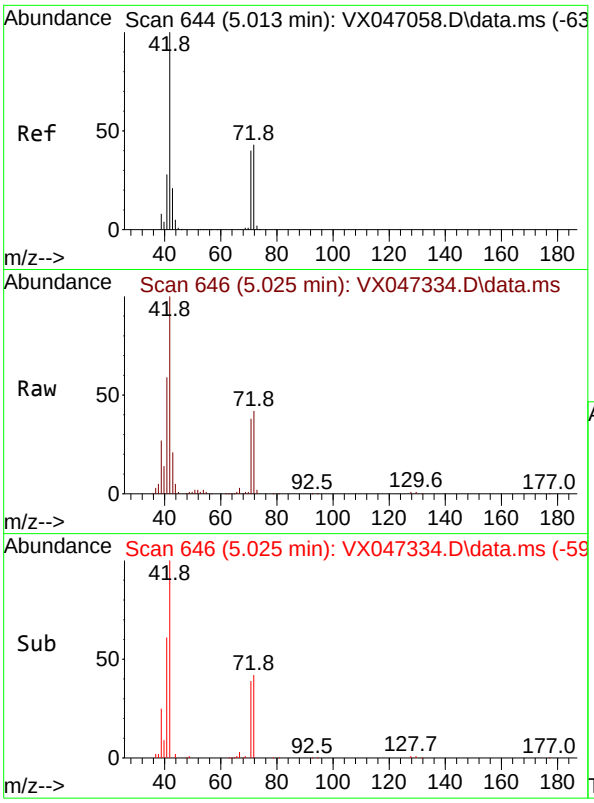


#28
Bromochloromethane
Concen: 57.062 ug/l
RT: 4.915 min Scan# 628
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 49 Resp: 130854

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	75.3	59.0	88.4





#29
Tetrahydrofuran
Concen: 293.999 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

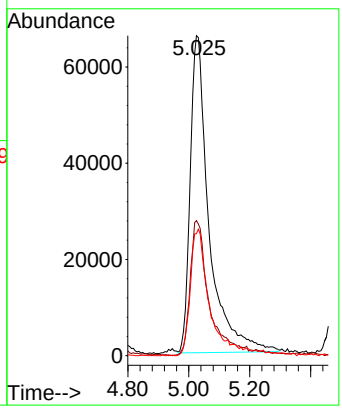
Tgt Ion: 42 Resp: 28288

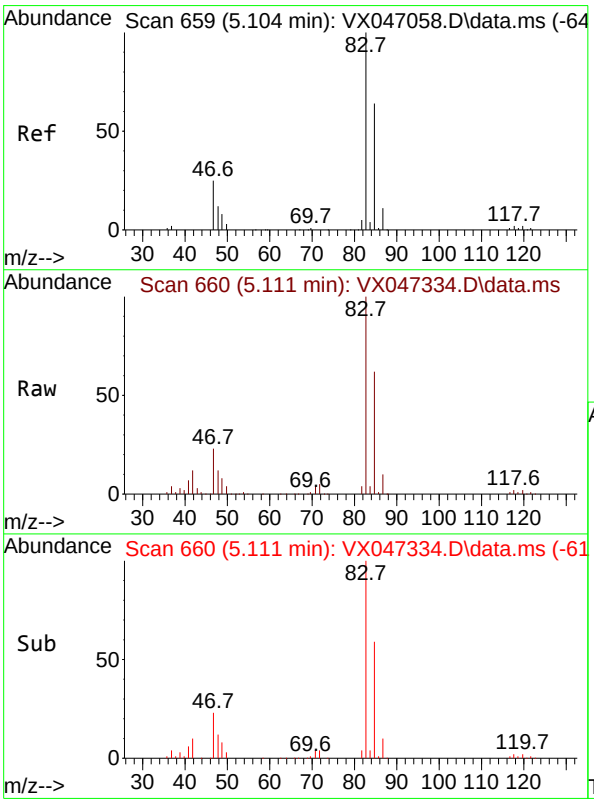
Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.7	50.5
71	40.3	31.0	46.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

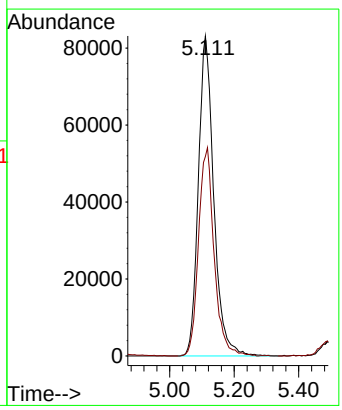


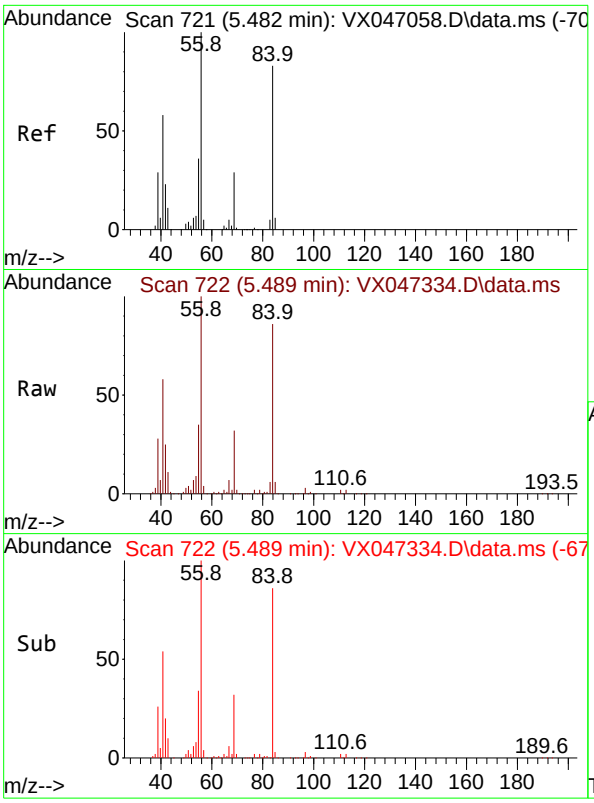


#30
Chloroform
Concen: 54.310 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 83 Resp: 275564

Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.9	76.3

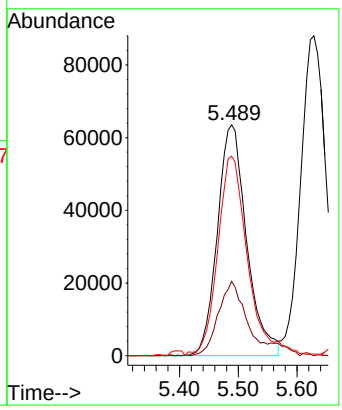




#31
Cyclohexane
Concen: 45.987 ug/l
RT: 5.489 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

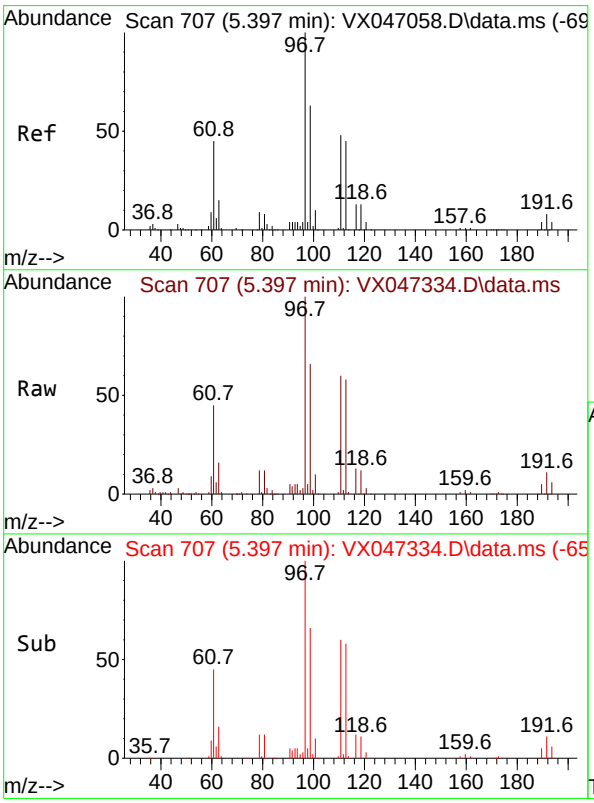
Tgt Ion: 56 Resp: 21979

Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.3	34.9
84	84.3	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

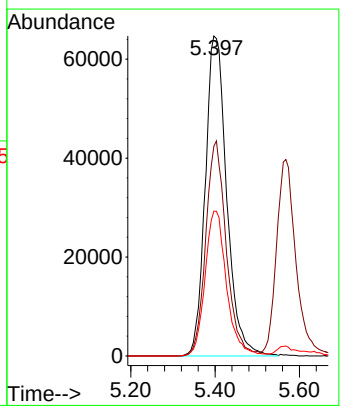
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

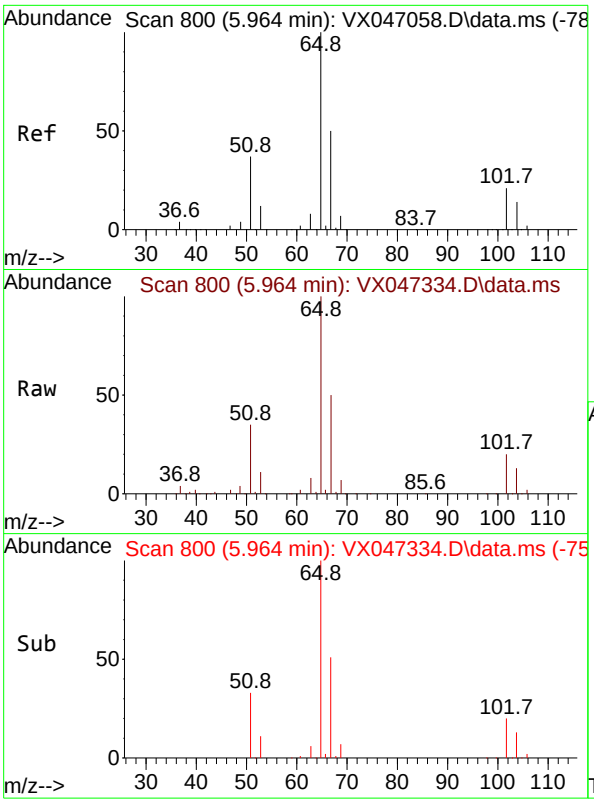


#32
1,1,1-Trichloroethane
Concen: 51.894 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 97 Resp: 228701

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	45.5	37.1	55.7





#33
1,2-Dichloroethane-d4
Concen: 56.170 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

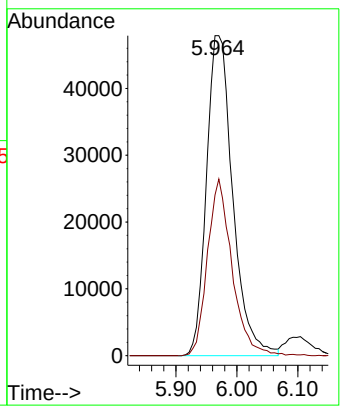
Tgt Ion: 65 Resp: 14360

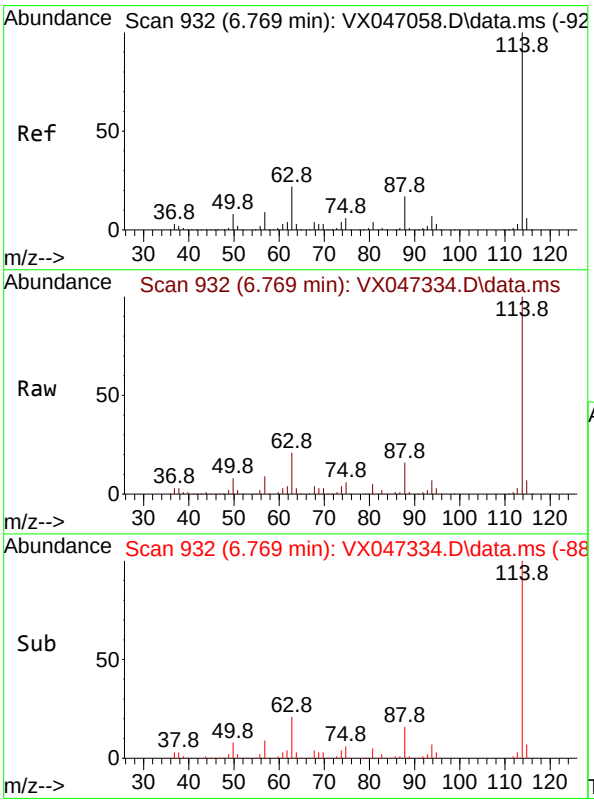
Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

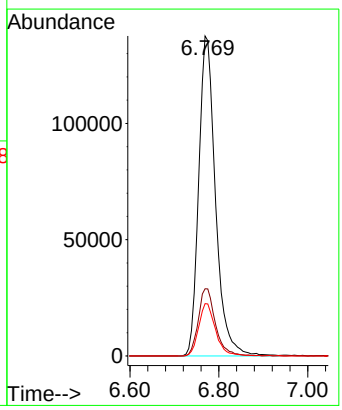


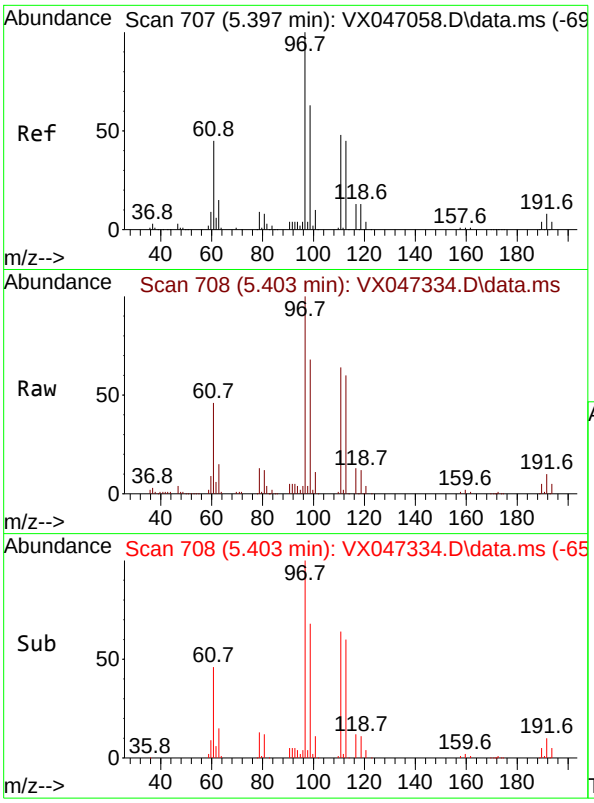


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:114 Resp: 362249

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.2
88	16.4	0.0	33.8

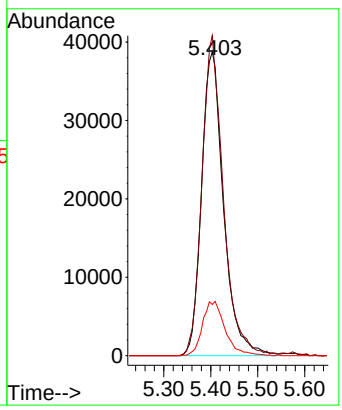




#35
Dibromofluoromethane
Concen: 56.338 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:113 Resp: 12600

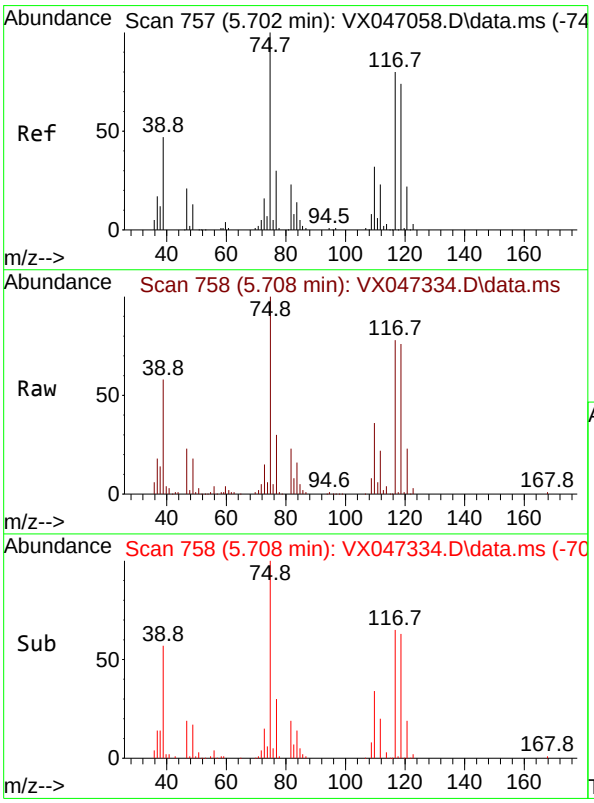
Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	124.0
192	18.4	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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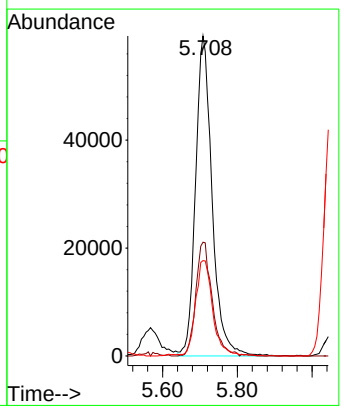
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

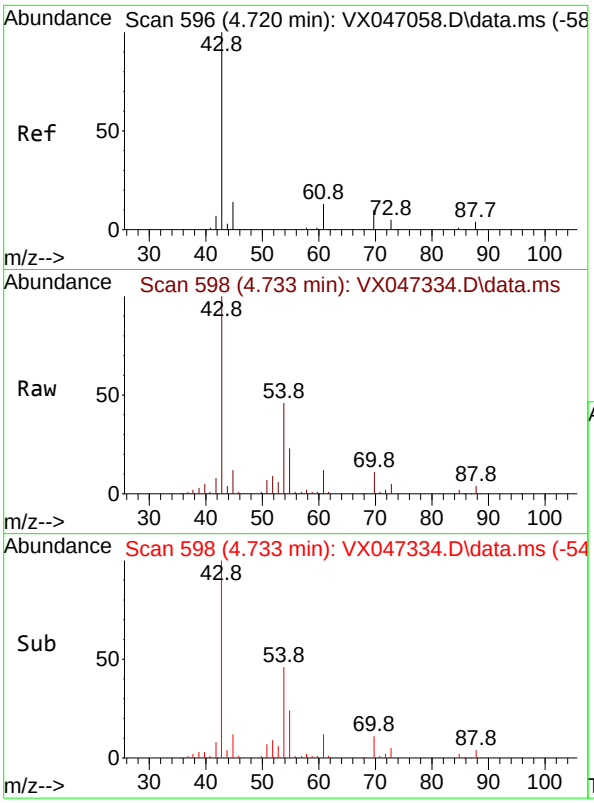


#36
1,1-Dichloropropene
Concen: 47.746 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 75 Resp: 182035

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.2	51.5
77	30.9	25.1	37.7





#37
Ethyl Acetate
Concen: 61.671 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

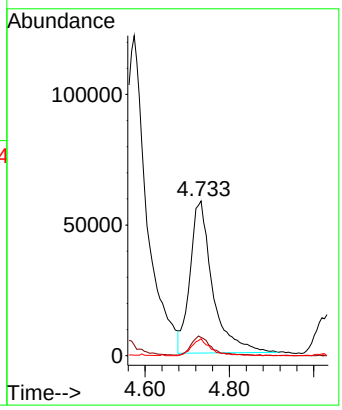
Tgt Ion: 43 Resp: 21665

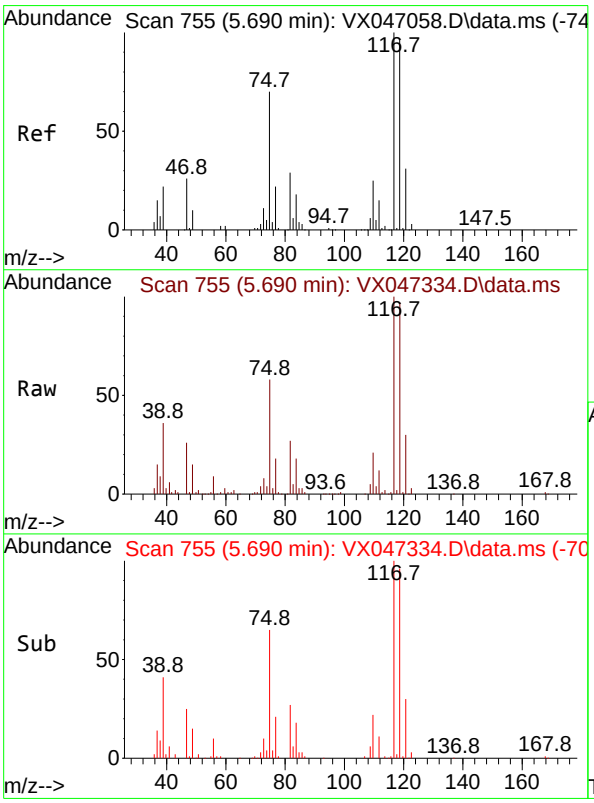
Ion	Ratio	Lower	Upper
43	100		
61	11.0	10.2	15.2
70	9.3	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

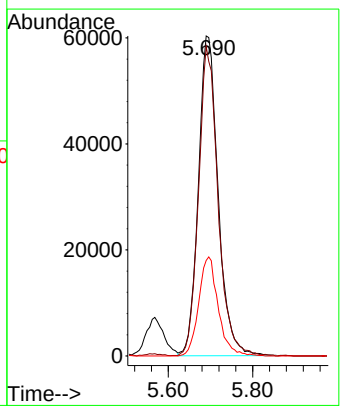


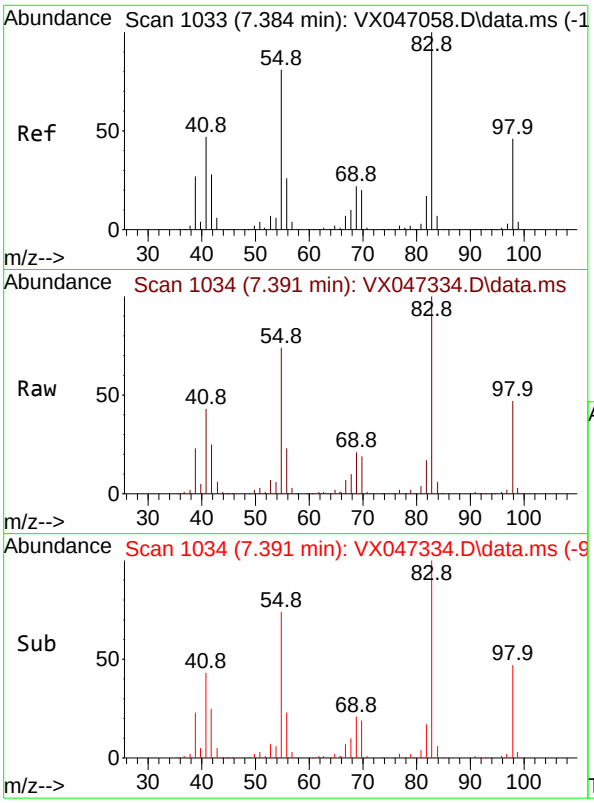


#38
Carbon Tetrachloride
Concen: 48.436 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:117 Resp: 197096

Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.6	115.0
121	29.9	24.4	36.6

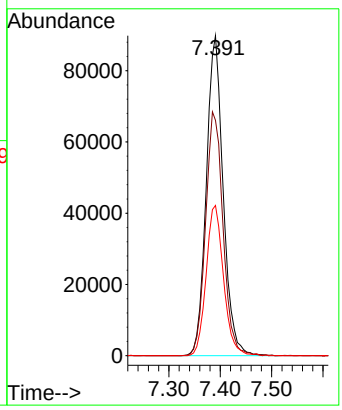




#39
Methylcyclohexane
Concen: 42.990 ug/l
RT: 7.391 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 83 Resp: 20464

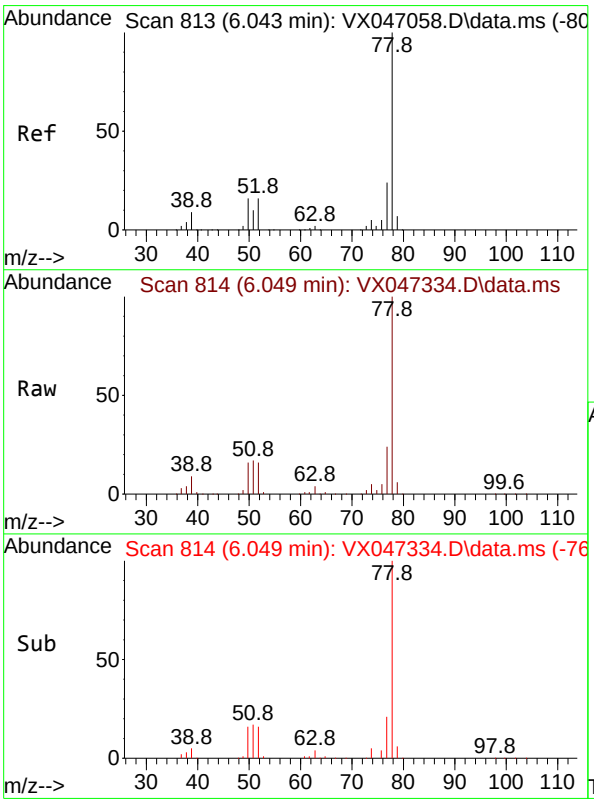
Ion	Ratio	Lower	Upper
83	100		
55	73.6	64.5	96.7
98	46.9	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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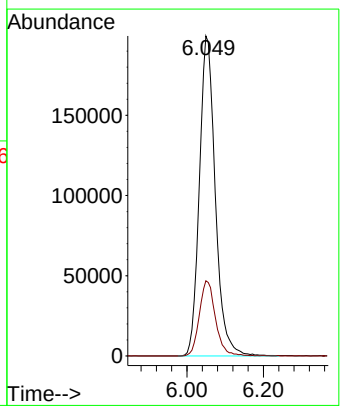
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

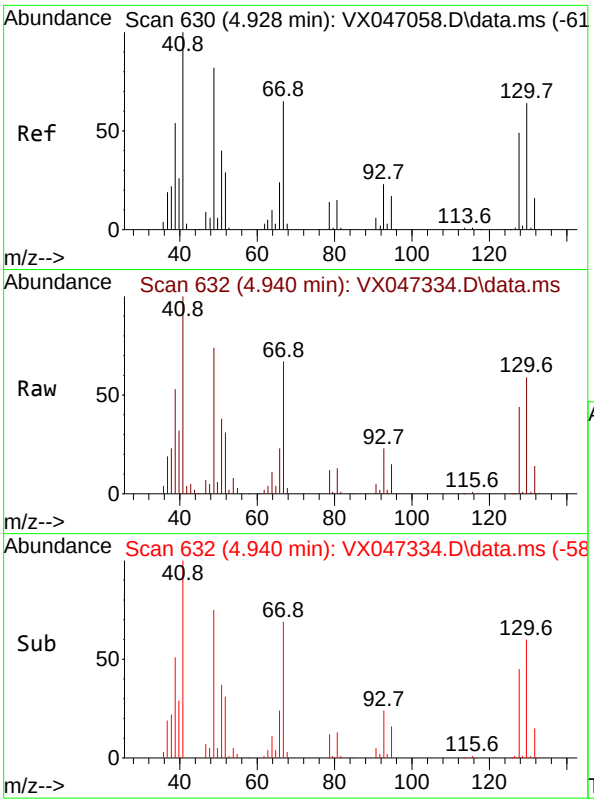


#40
Benzene
Concen: 52.258 ug/l
RT: 6.049 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 78 Resp: 576594

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4

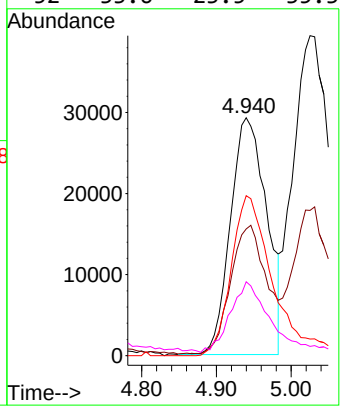




#41
Methacrylonitrile
Concen: 53.704 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 41 Resp: 9864

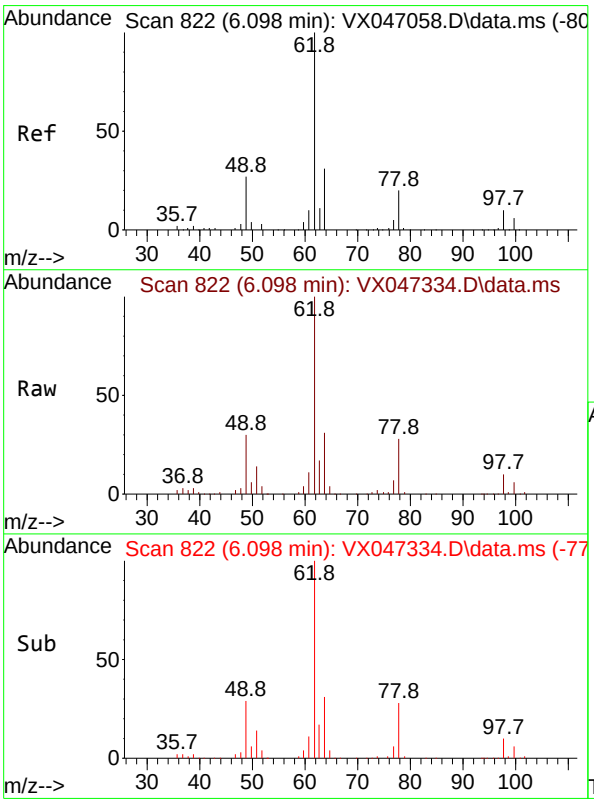
Ion	Ratio	Lower	Upper
41	100		
39	53.6	44.2	66.2
67	79.5	56.4	84.6
52	33.6	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

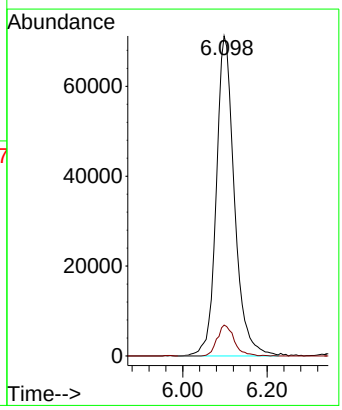
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

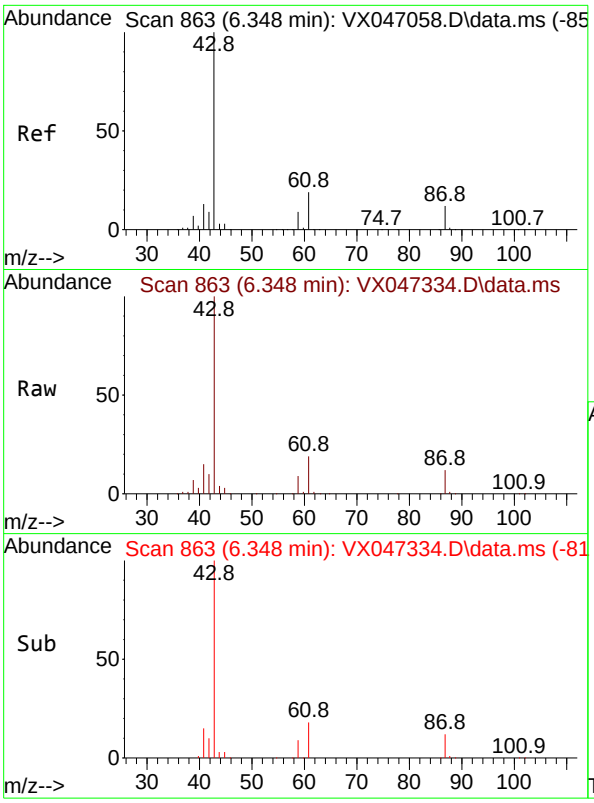


#42
1,2-Dichloroethane
Concen: 54.449 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 62 Resp: 211626

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8

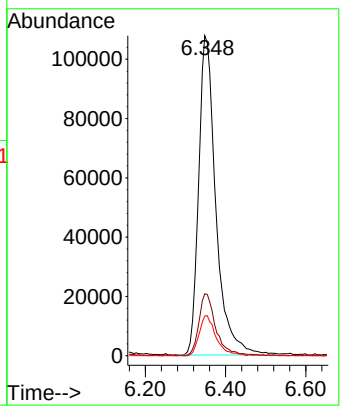




#43
Isopropyl Acetate
Concen: 58.771 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 43 Resp: 32187

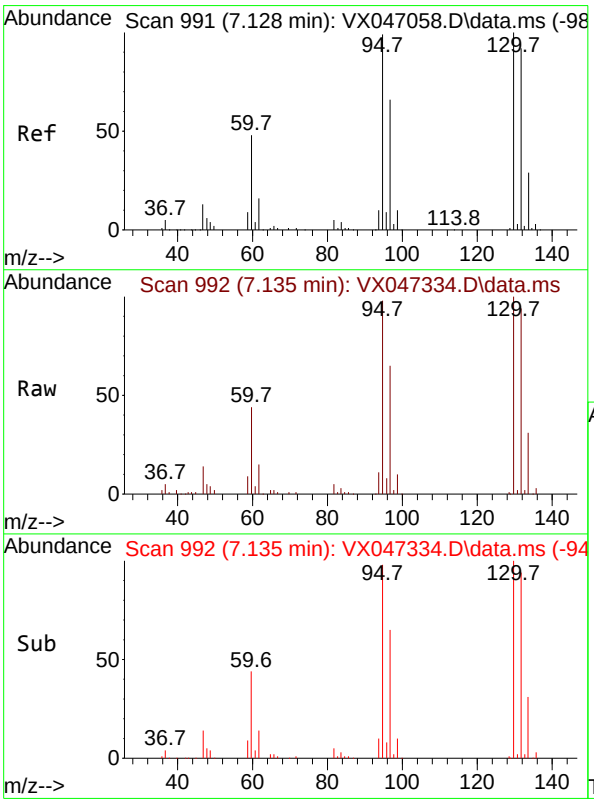
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	12.2	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

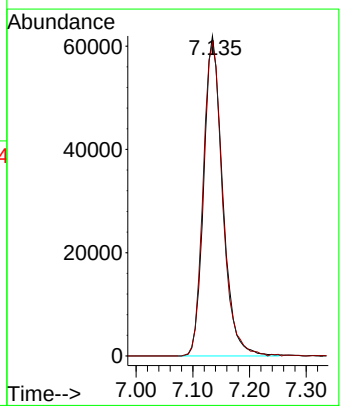
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

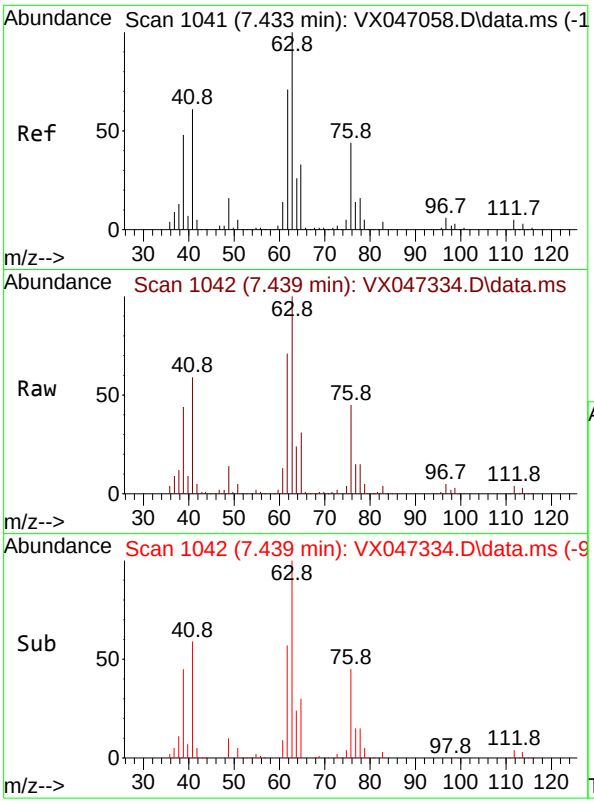


#44
Trichloroethene
Concen: 50.839 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:130 Resp: 143842

Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	198.6

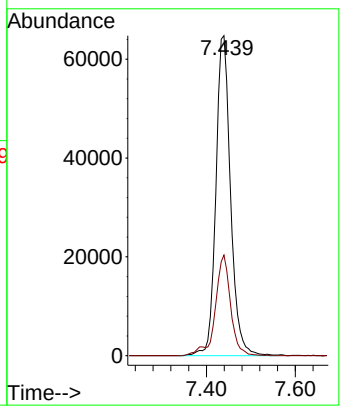




#45
1,2-Dichloropropane
Concen: 53.617 ug/l
RT: 7.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 63 Resp: 14816

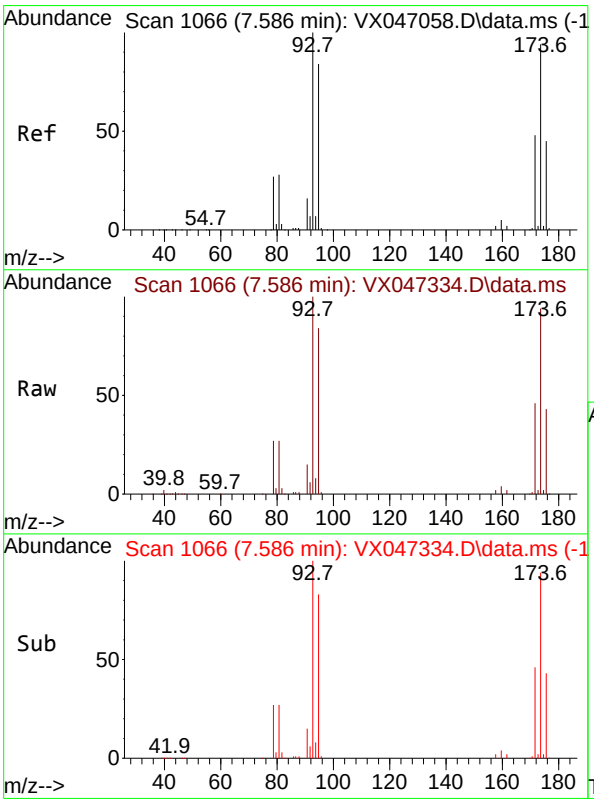
Ion	Ratio	Lower	Upper
63	100		
65	31.4	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

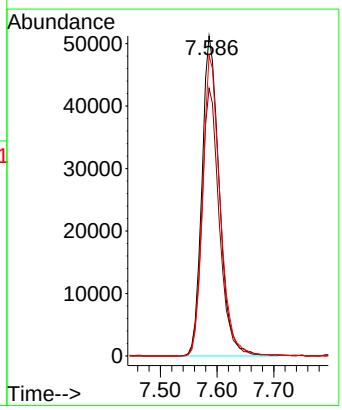
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

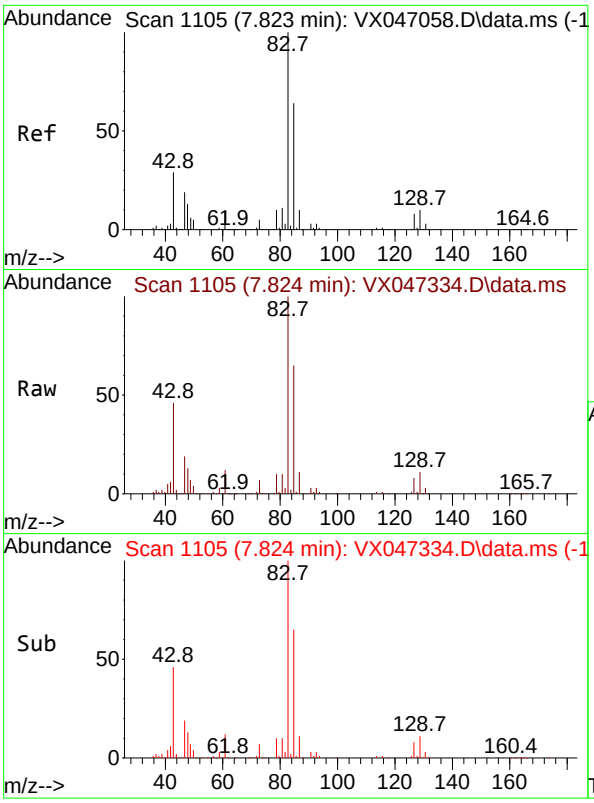


#46
Dibromomethane
Concen: 56.394 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 93 Resp: 109285

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.9	98.9
174	93.5	74.6	112.0

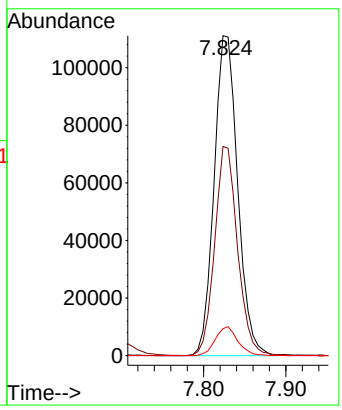




#47
Bromodichloromethane
Concen: 53.726 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 83 Resp: 22160

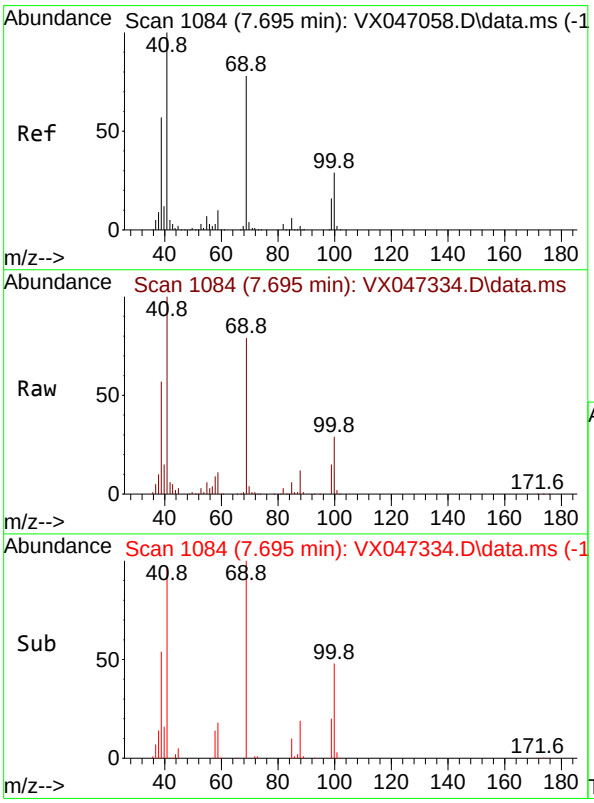
Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.9	74.9
127	8.4	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

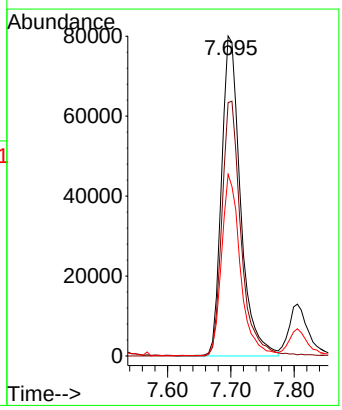
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

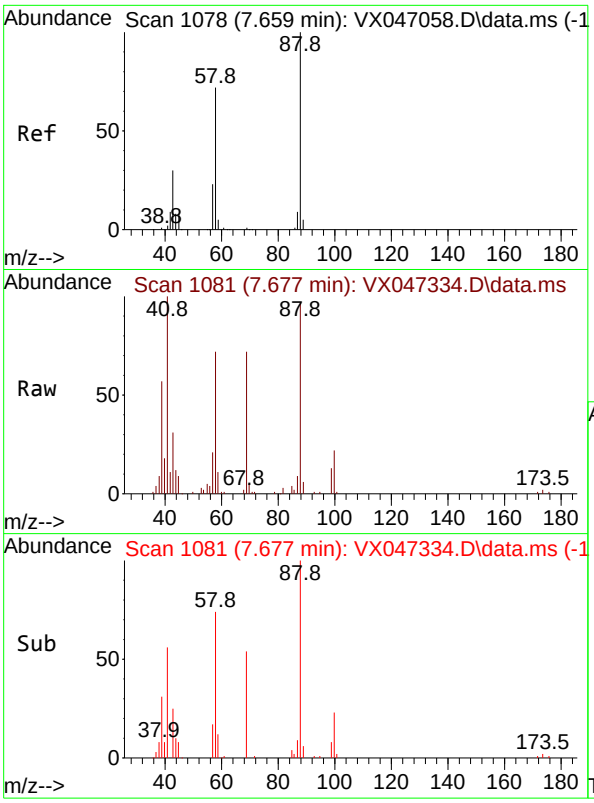


#48
Methyl methacrylate
Concen: 55.869 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 41 Resp: 166691

Ion	Ratio	Lower	Upper
41	100		
69	80.1	62.3	93.5
39	56.0	44.8	67.2

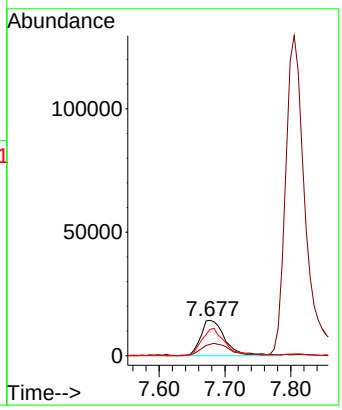




#49
1,4-Dioxane
Concen: 1096.675 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 88 Resp: 3721

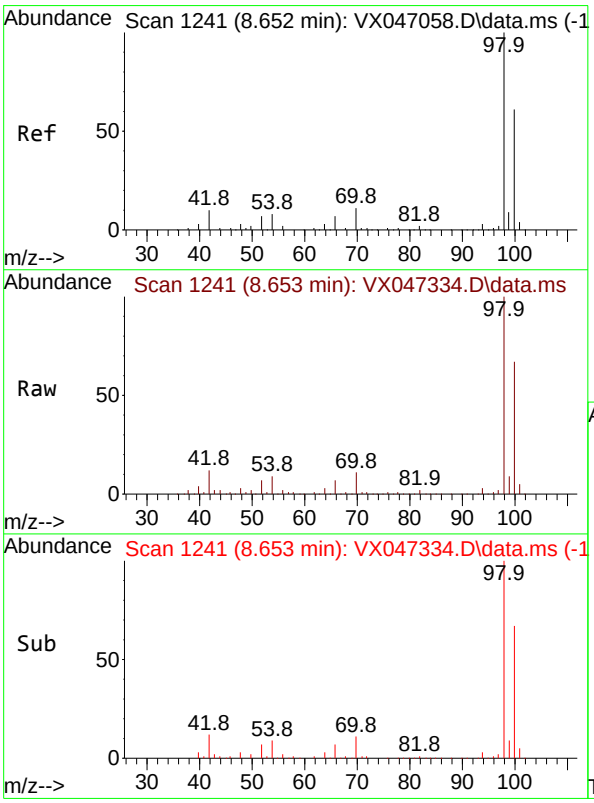
Ion	Ratio	Lower	Upper
88	100		
43	40.2	33.6	50.4
58	72.9	58.8	88.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

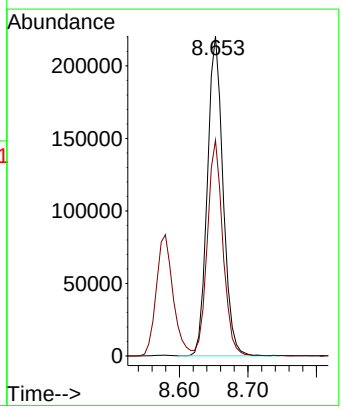
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

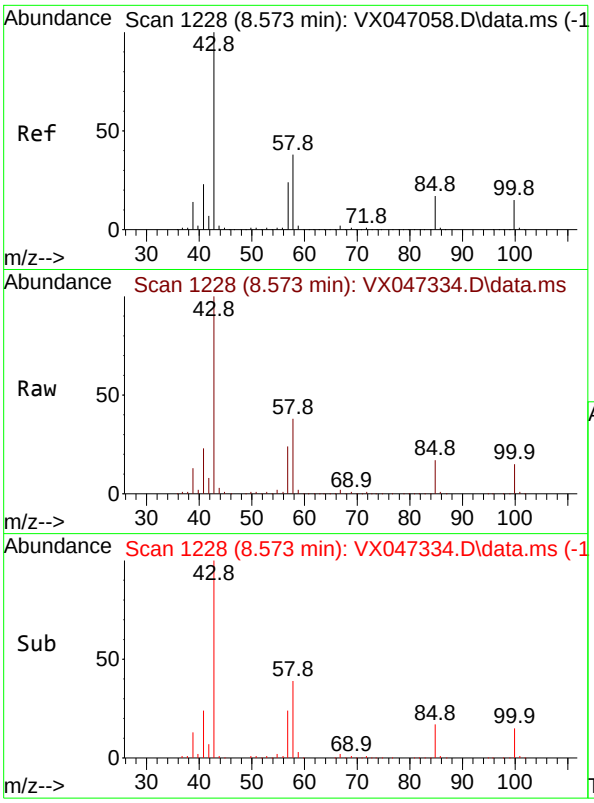


#50
Toluene-d8
Concen: 48.401 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 98 Resp: 350581

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9

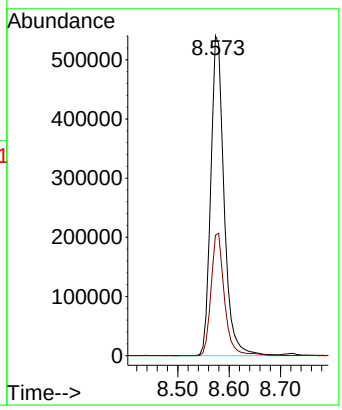




#51
4-Methyl-2-Pentanone
Concen: 298.510 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 43 Resp: 97175

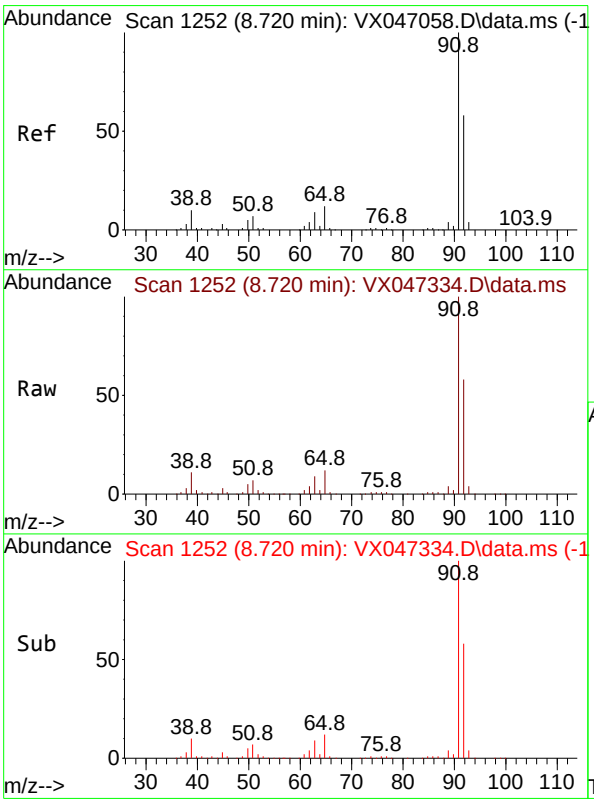
Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

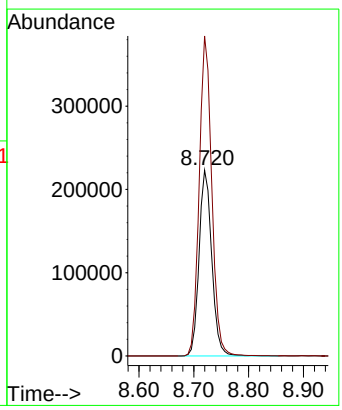
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

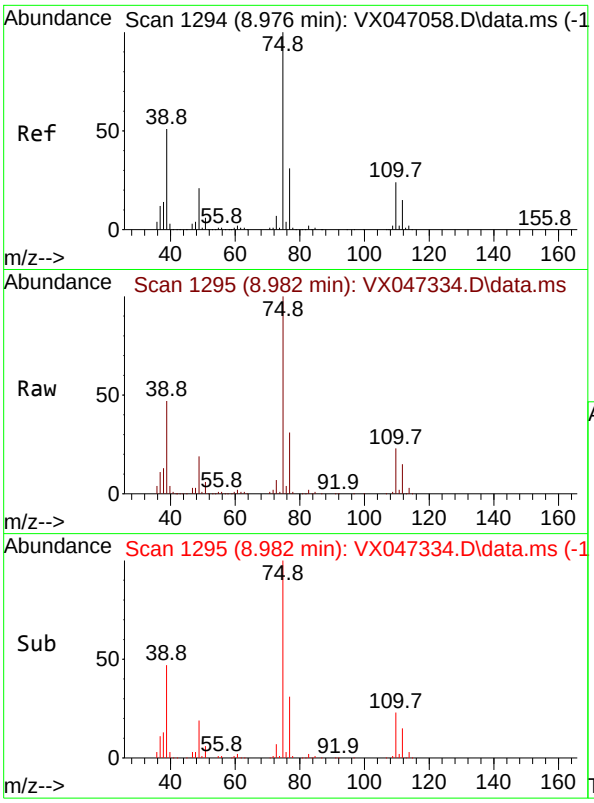


#52
Toluene
Concen: 52.894 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 92 Resp: 358851

Ion	Ratio	Lower	Upper
92	100		
91	170.4	137.9	206.9

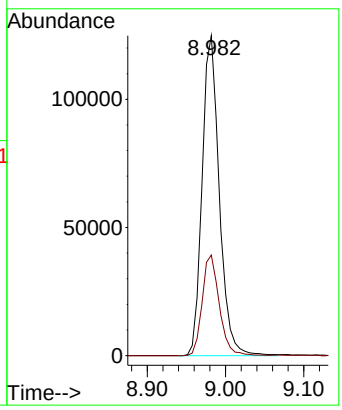




#53
t-1,3-Dichloropropene
Concen: 48.781 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 75 Resp: 19000

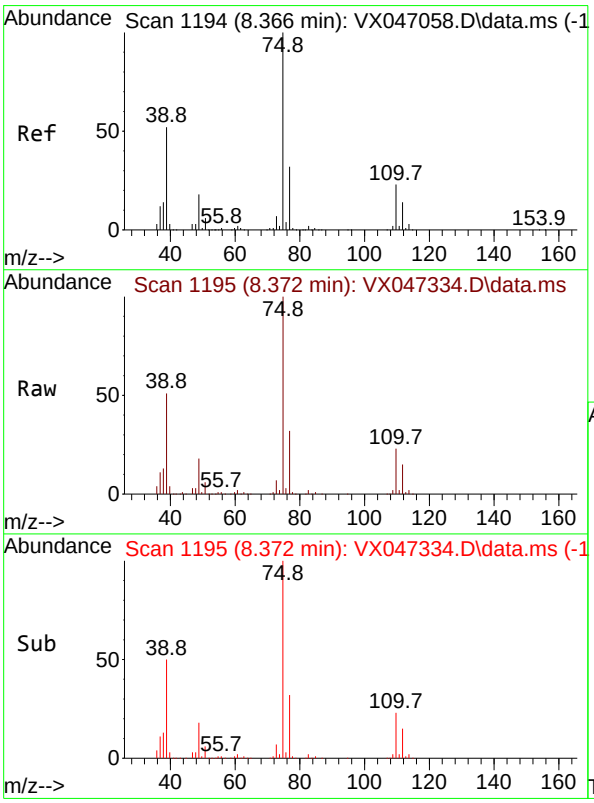
Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

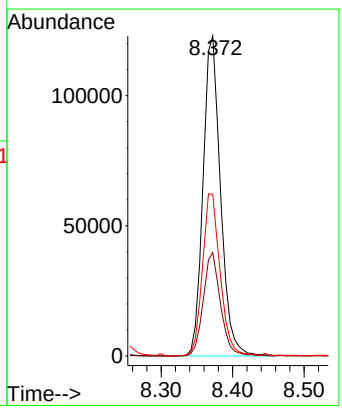
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

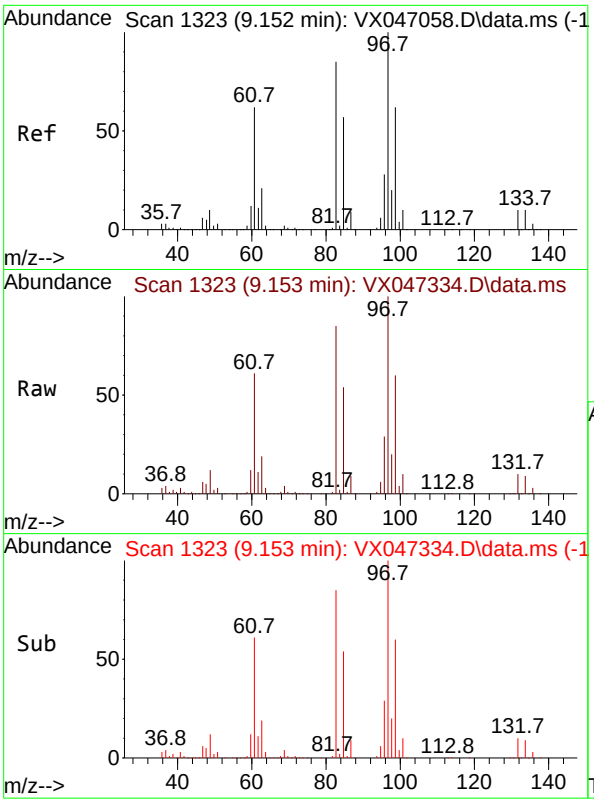


#54
cis-1,3-Dichloropropene
Concen: 49.007 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 75 Resp: 208919

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
39	50.3	41.8	62.6

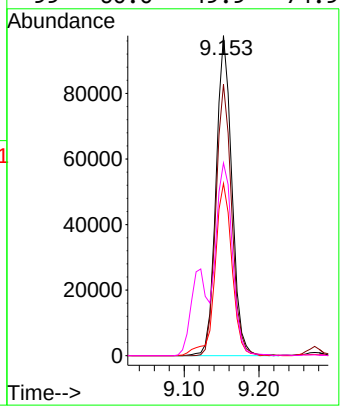




#55
1,1,2-Trichloroethane
Concen: 56.437 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 97 Resp: 14359

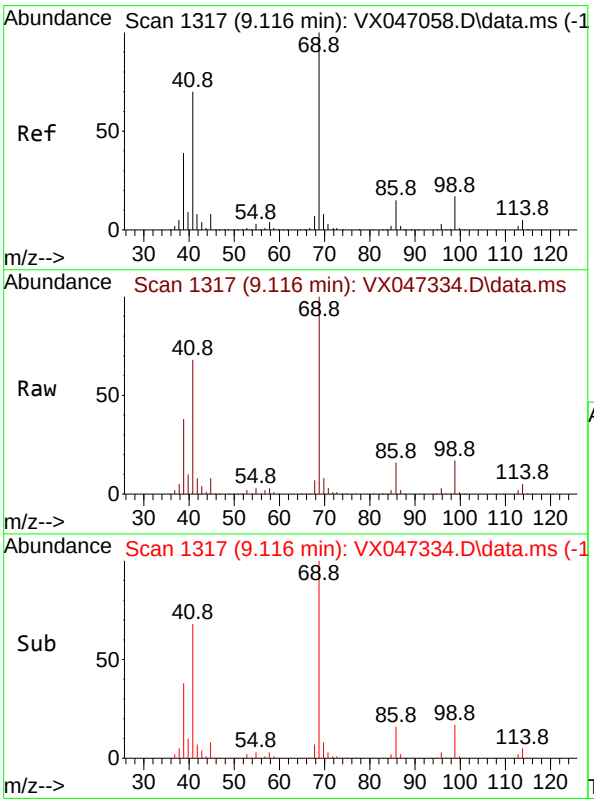
Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.0	102.0
85	53.7	45.2	67.8
99	60.0	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

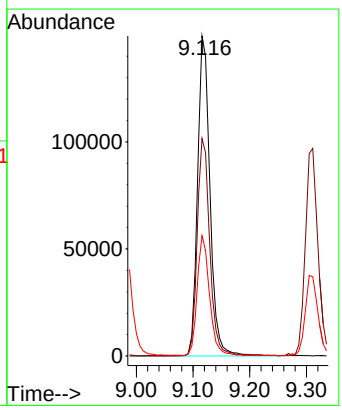
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

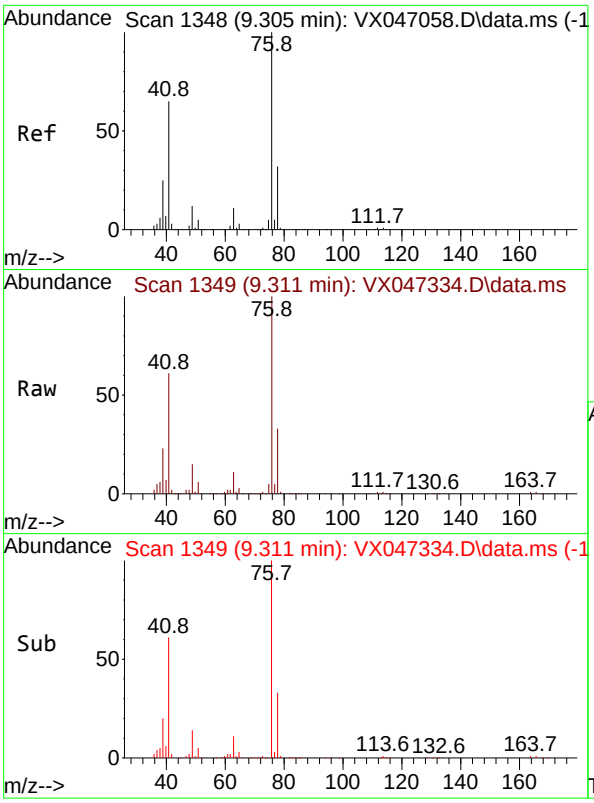


#56
Ethyl methacrylate
Concen: 60.258 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 69 Resp: 226969

Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.1	84.1
39	37.1	31.1	46.7

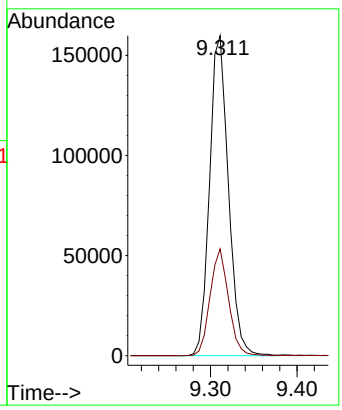




#57
1,3-Dichloropropane
Concen: 54.612 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 76 Resp: 24148

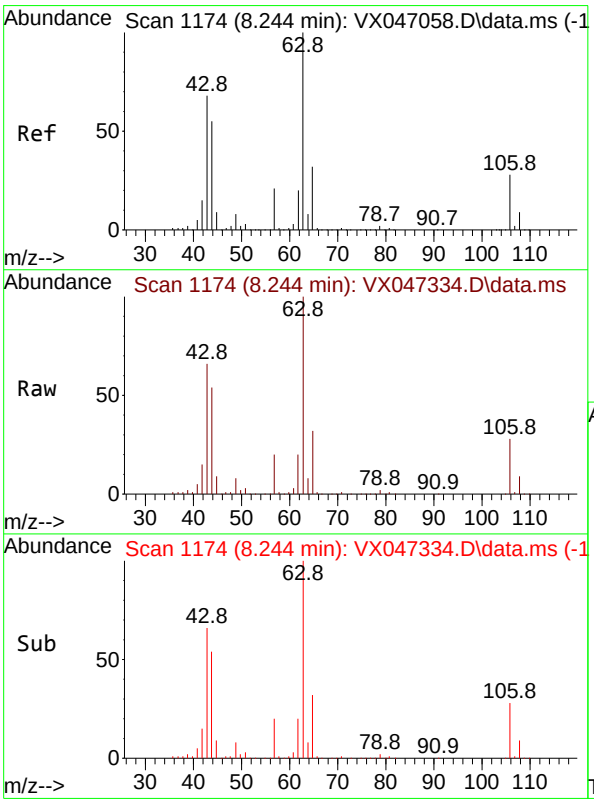
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

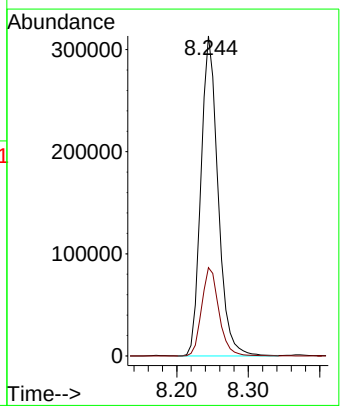
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

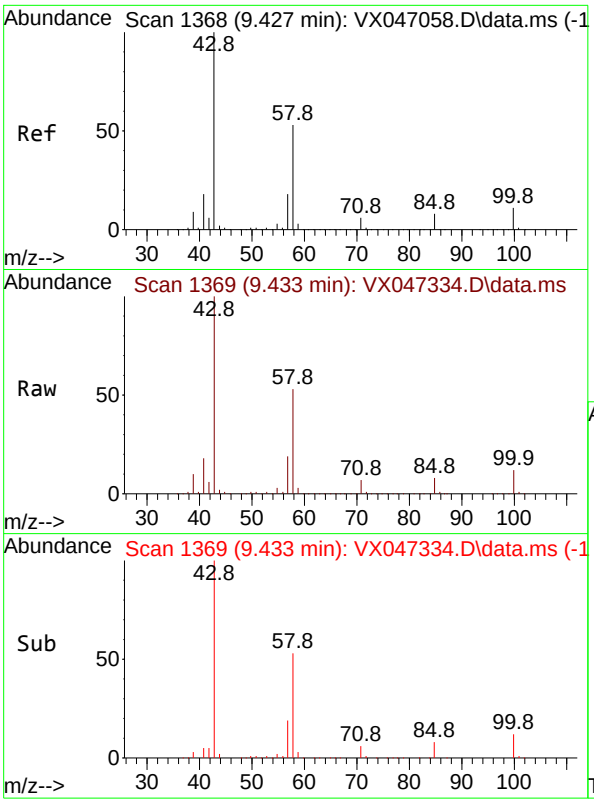


#58
2-Chloroethyl Vinyl ether
Concen: 248.283 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 63 Resp: 520399

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.2	33.4

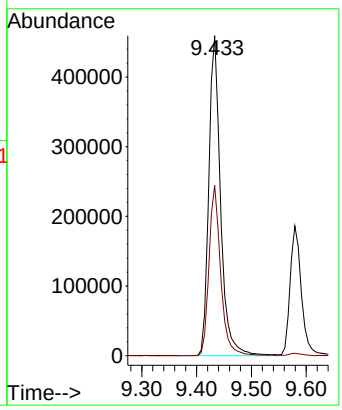




#59
2-Hexanone
Concen: 317.134 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 43 Resp: 68207

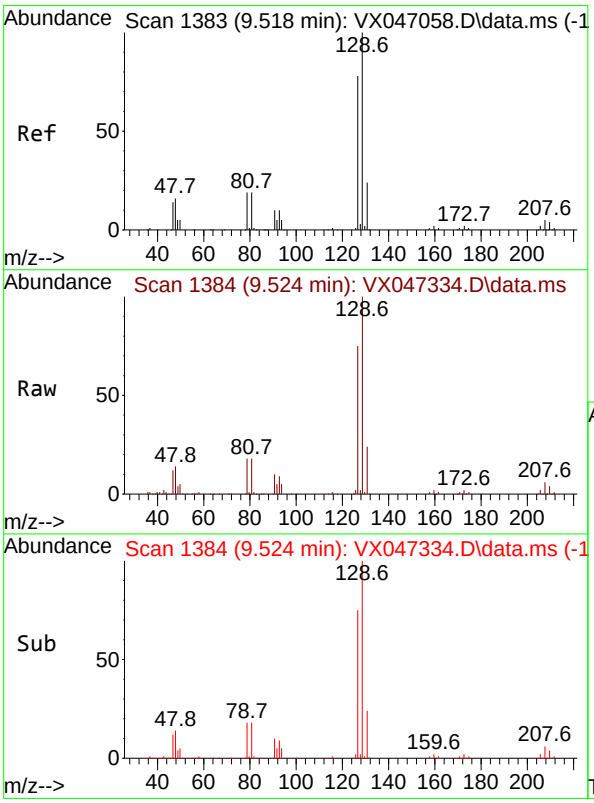
Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

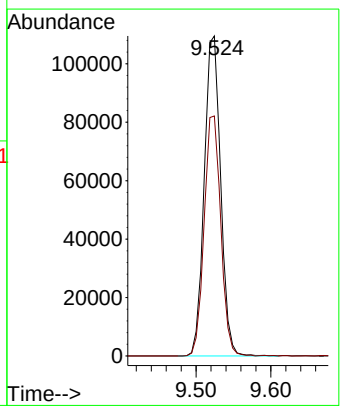
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

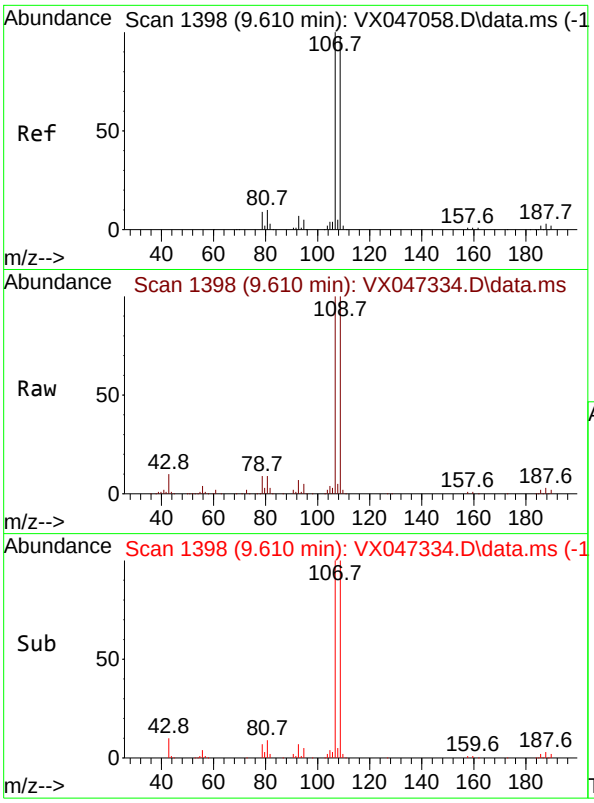


#60
Dibromochloromethane
Concen: 55.953 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:129 Resp: 166965

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.6	115.8

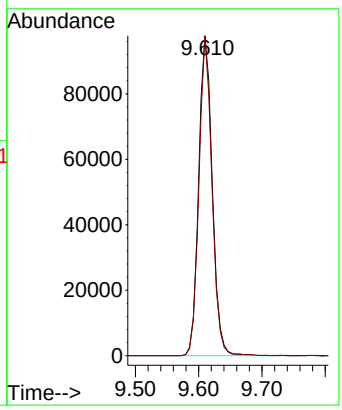




#61
1,2-Dibromoethane
Concen: 54.984 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:107 Resp: 14627

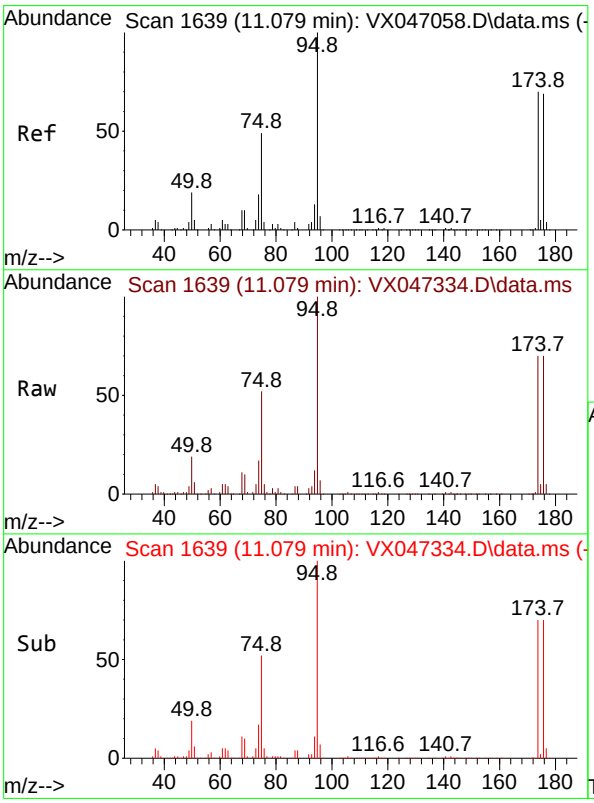
Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

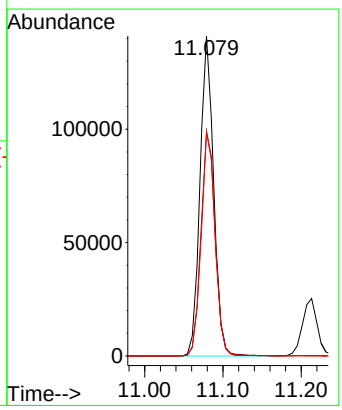
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

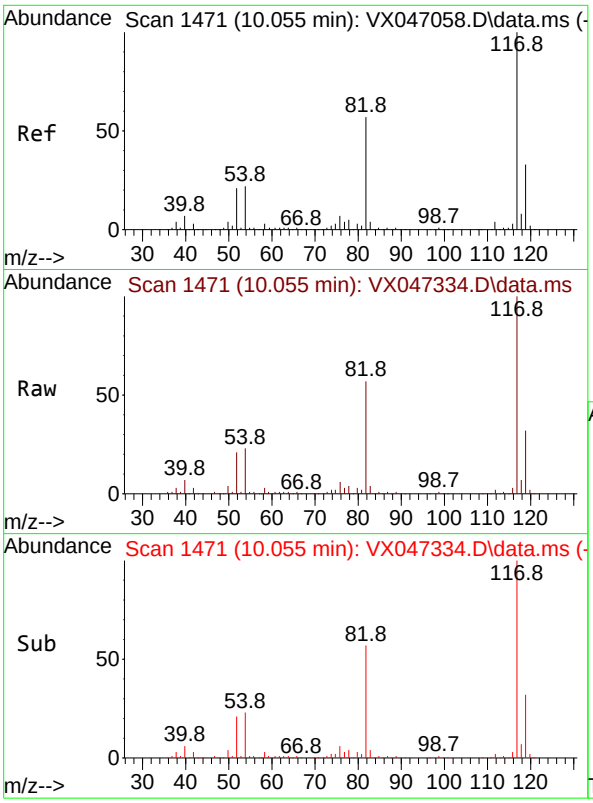


#62
4-Bromofluorobenzene
Concen: 54.458 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 95 Resp: 169988

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	144.6
176	71.4	0.0	139.6

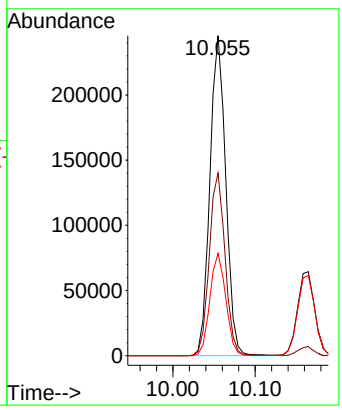




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:117 Resp: 32885(

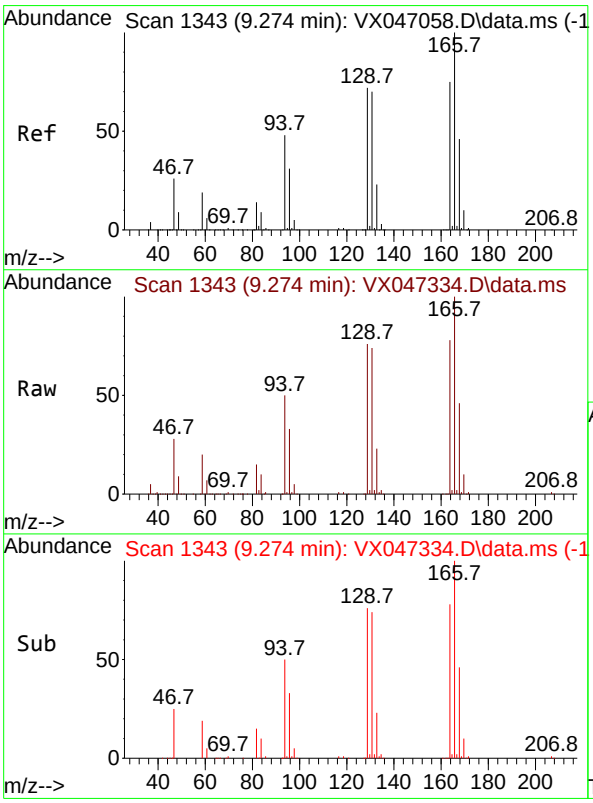
Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.4	68.2
119	32.0	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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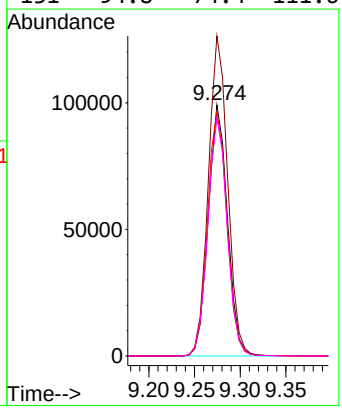
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

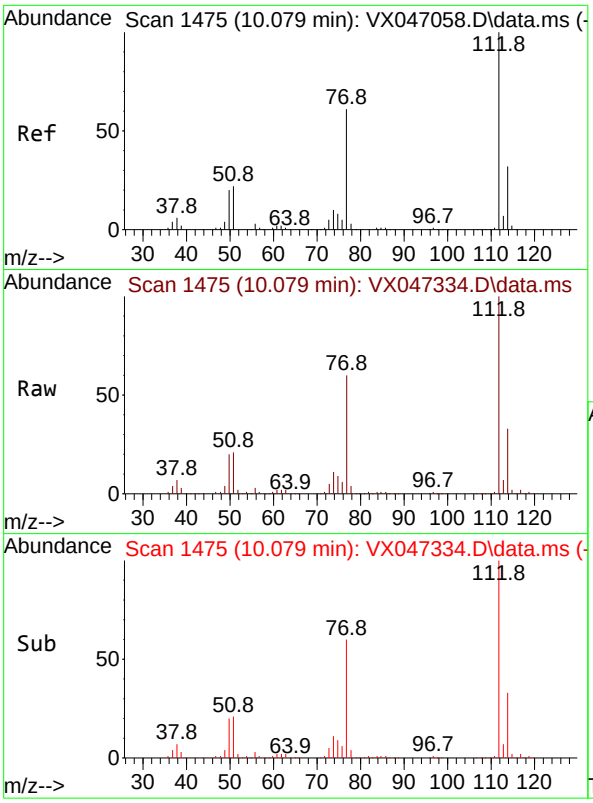


#64
Tetrachloroethene
Concen: 61.091 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:164 Resp: 144828

Ion	Ratio	Lower	Upper
164	100		
166	127.6	106.2	159.4
129	97.3	76.6	114.8
131	94.8	74.4	111.6

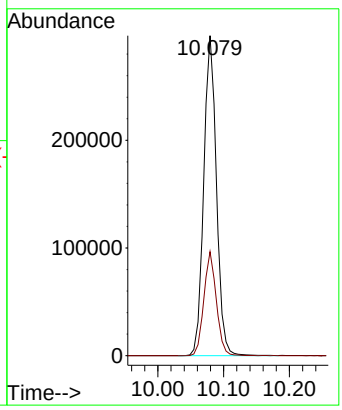




#65
Chlorobenzene
Concen: 51.735 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:112 Resp: 39856

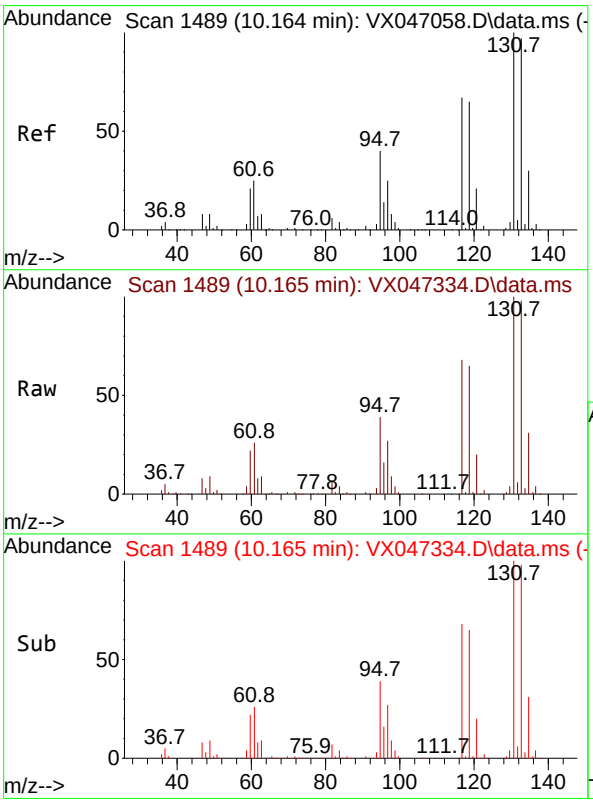
Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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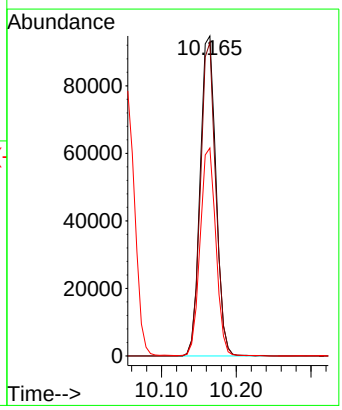
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

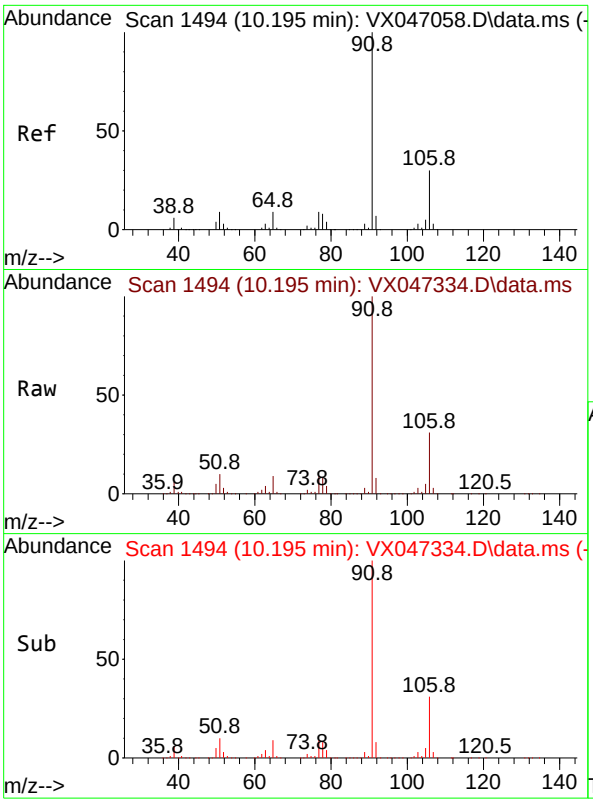


#66
1,1,1,2-Tetrachloroethane
Concen: 53.426 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:131 Resp: 138574

Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.4	145.3
119	64.8	32.4	97.0





#67
Ethyl Benzene
Concen: 50.679 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

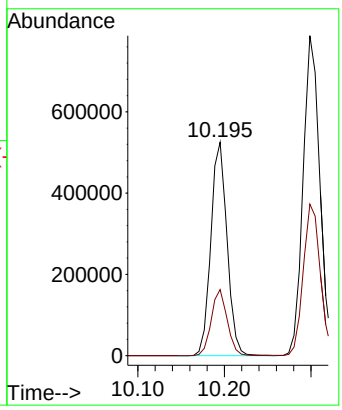
Tgt Ion: 91 Resp: 68264

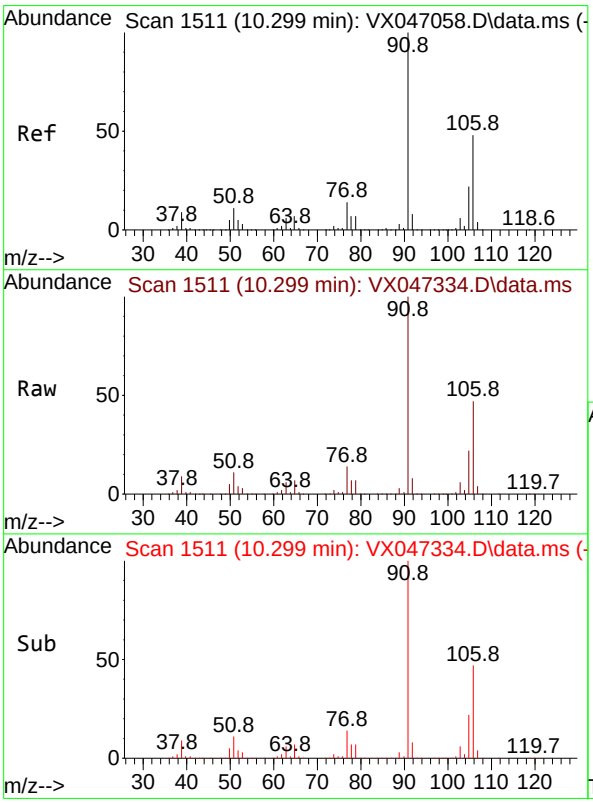
Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

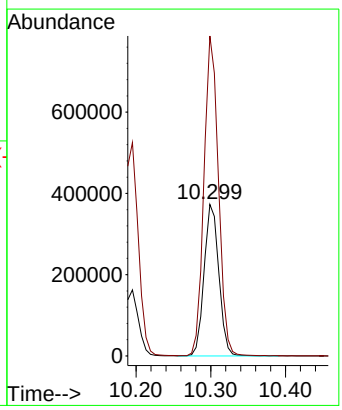


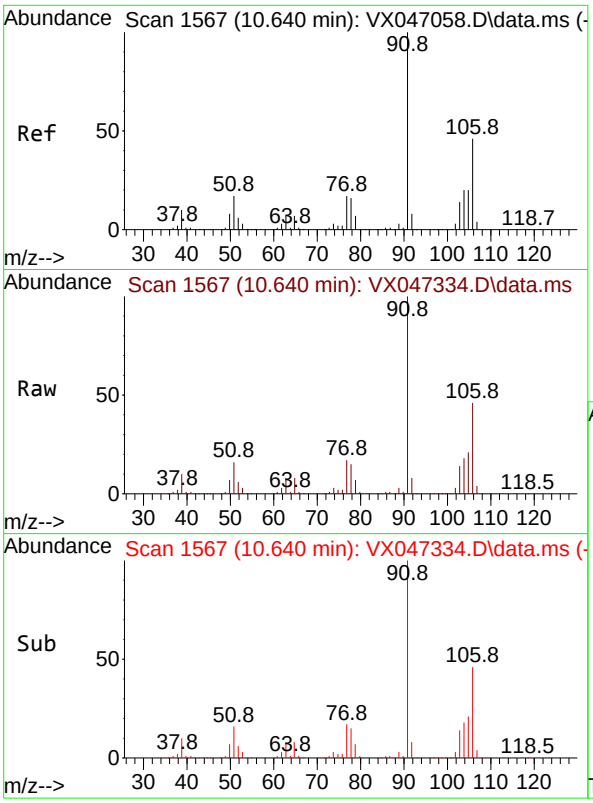


#68
m/p-Xylenes
Concen: 101.242 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:106 Resp: 510341

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.4	251.0

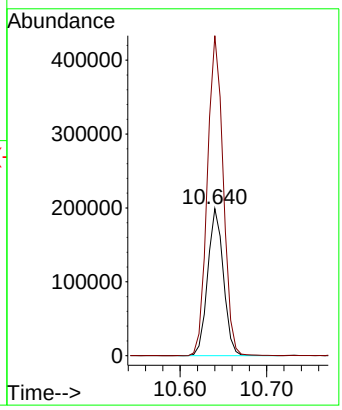




#69
o-Xylene
Concen: 52.266 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:106 Resp: 25063

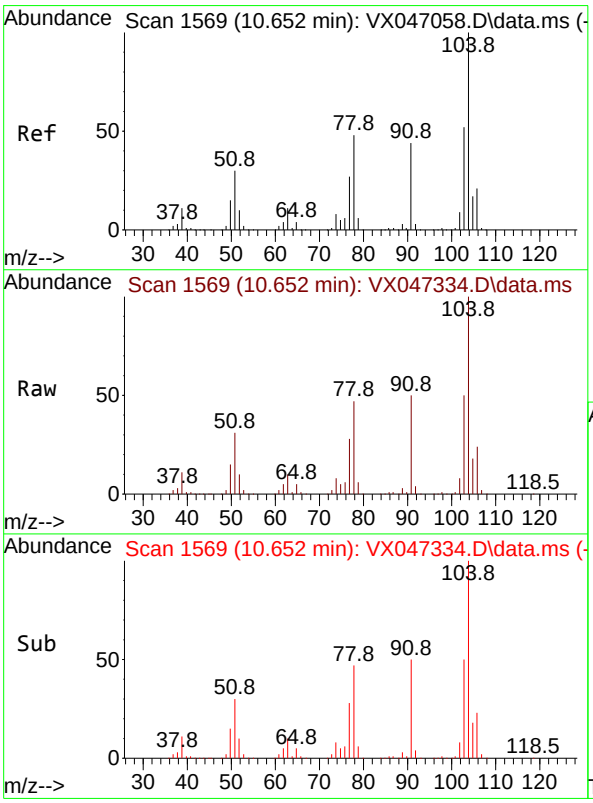
Ion	Ratio	Lower	Upper
106	100		
91	219.8	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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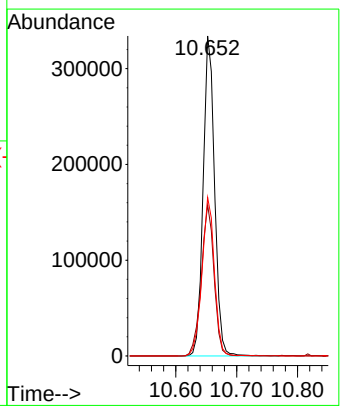
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

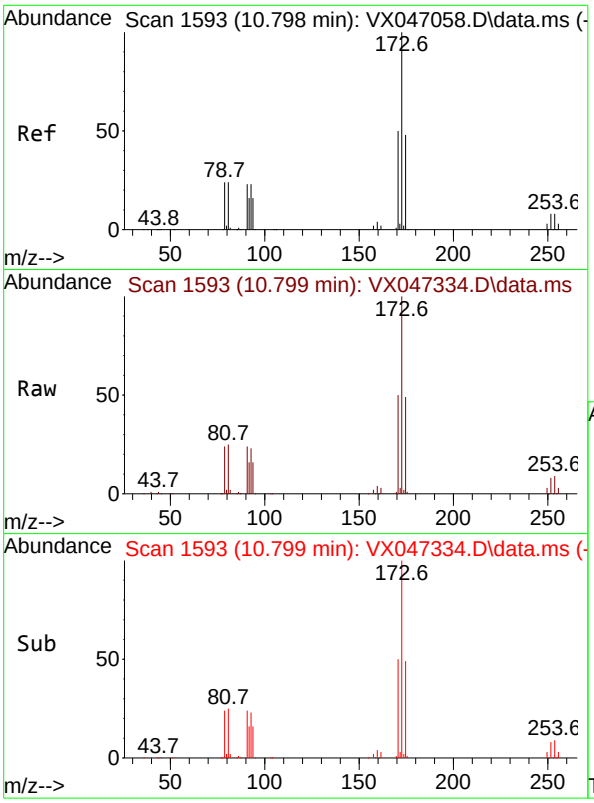


#70
Styrene
Concen: 53.262 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:104 Resp: 437969

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.0	63.0
103	53.9	43.8	65.6

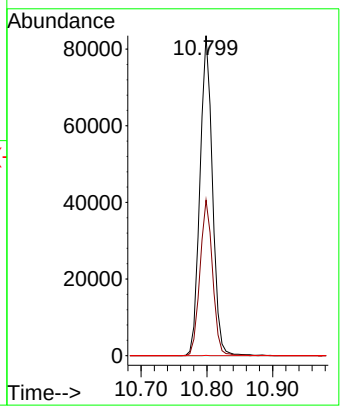




#71
Bromoform
Concen: 55.976 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

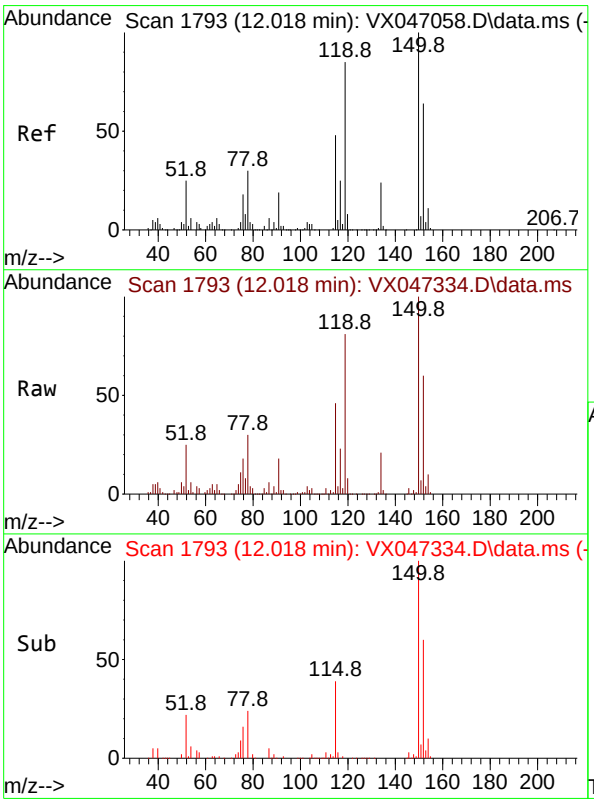
Tgt Ion:173 Resp: 11029

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.2	72.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

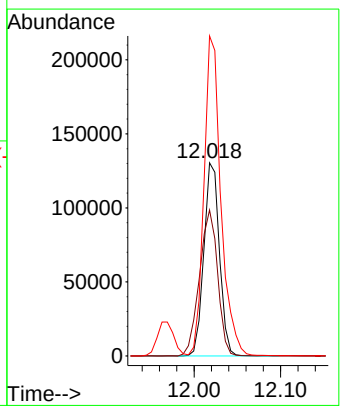
Manual Integrations APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

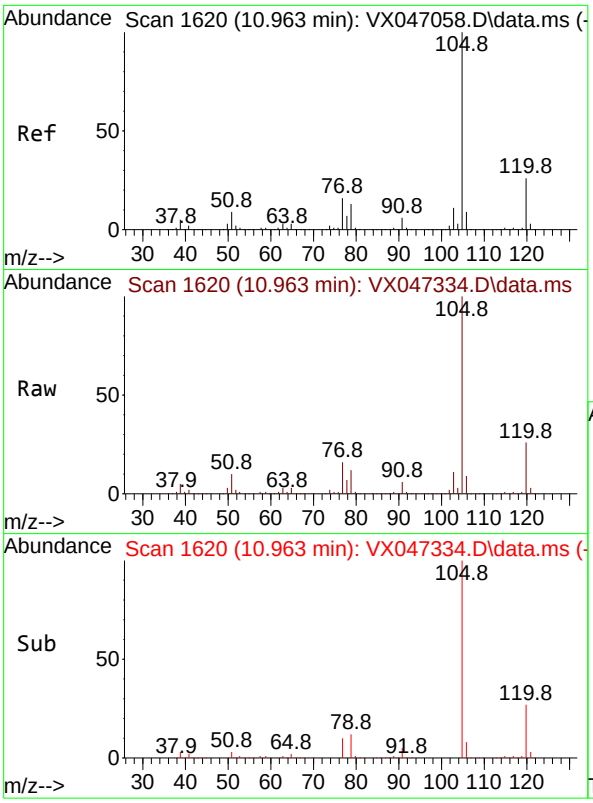


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:152 Resp: 162794

Ion	Ratio	Lower	Upper
152	100		
115	88.4	45.6	136.7
150	180.4	0.0	354.6

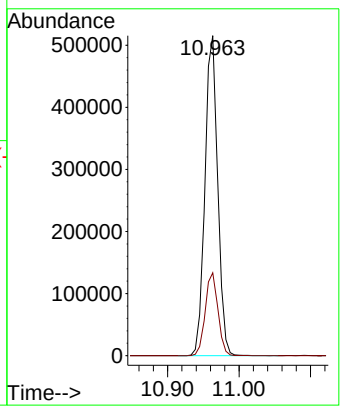




#73
Isopropylbenzene
Concen: 49.743 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:105 Resp: 63886

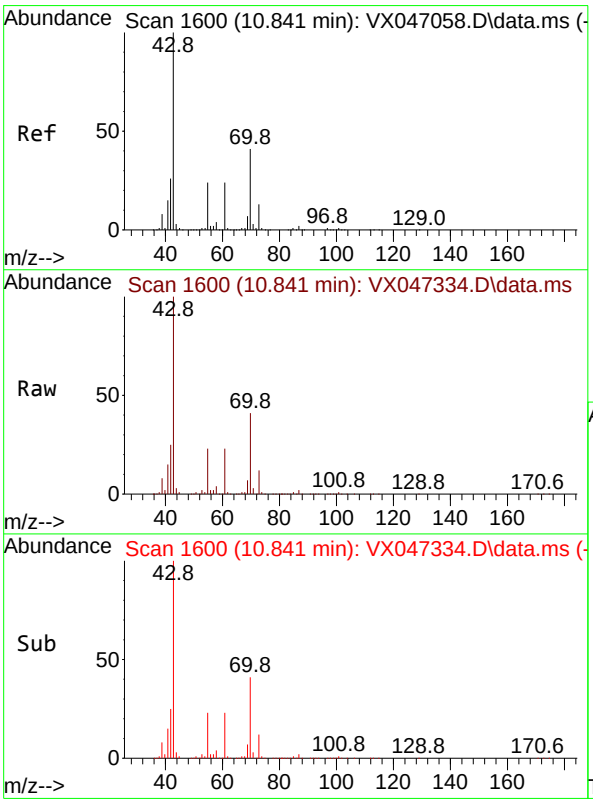
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

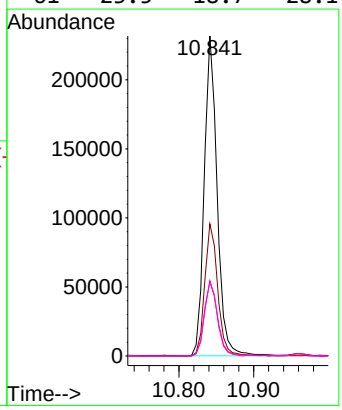
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

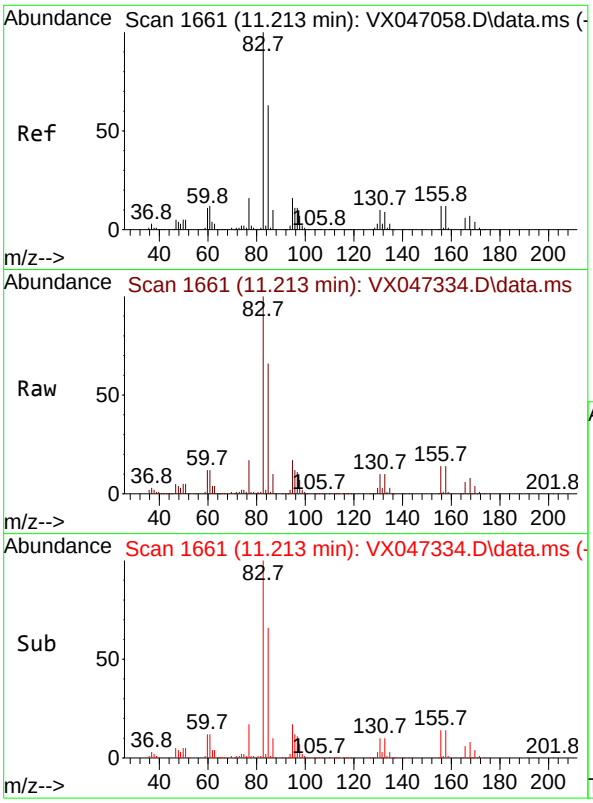


#74
N-amyl acetate
Concen: 53.447 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 43 Resp: 276966

Ion	Ratio	Lower	Upper
43	100		
70	41.9	32.3	48.5
55	24.4	18.9	28.3
61	23.5	18.7	28.1





#75
1,1,2,2-Tetrachloroethane
Concen: 55.852 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

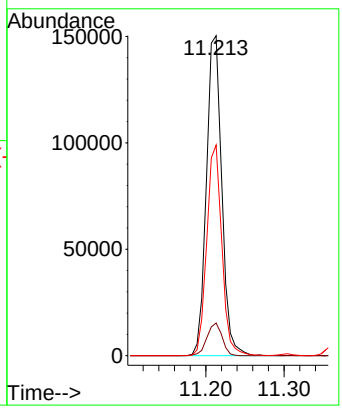
Tgt Ion: 83 Resp: 20490

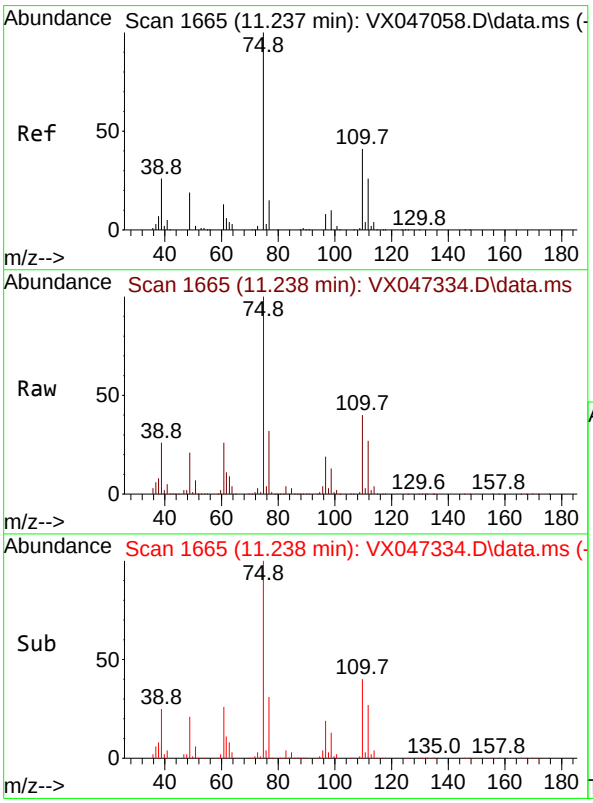
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	64.5	32.0	96.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

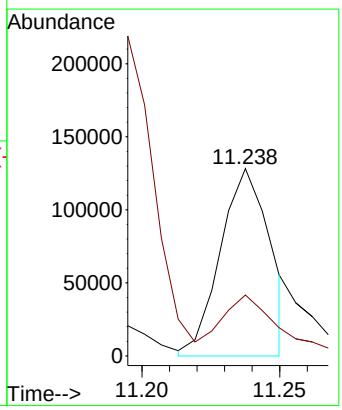


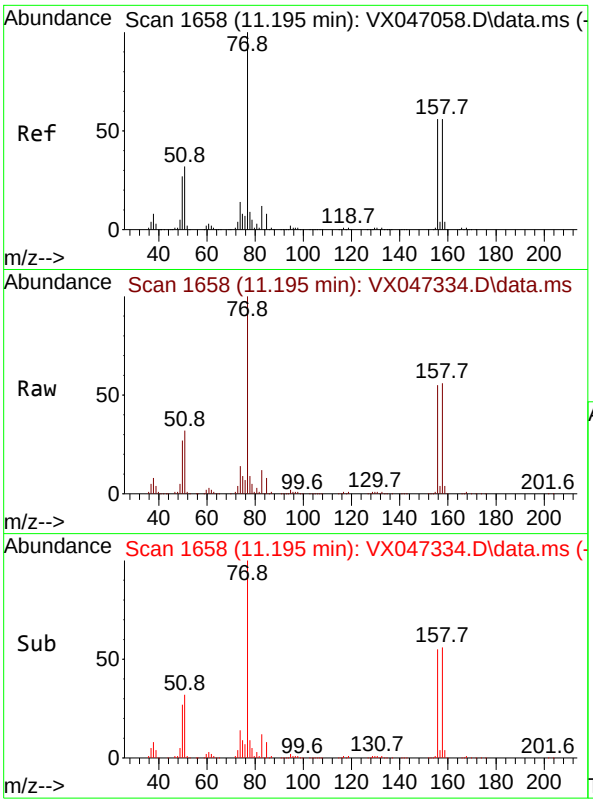


#76
1,2,3-Trichloropropane
Concen: 53.272 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 75 Resp: 160522

Ion	Ratio	Lower	Upper
75	100		
77	38.4	21.6	65.0

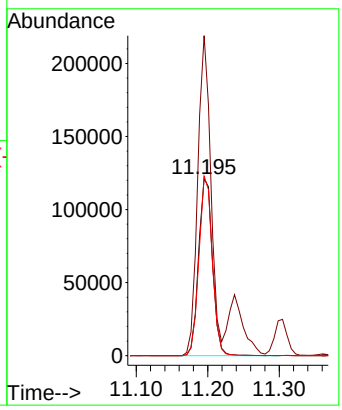




#77
Bromobenzene
Concen: 52.905 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:156 Resp: 16297

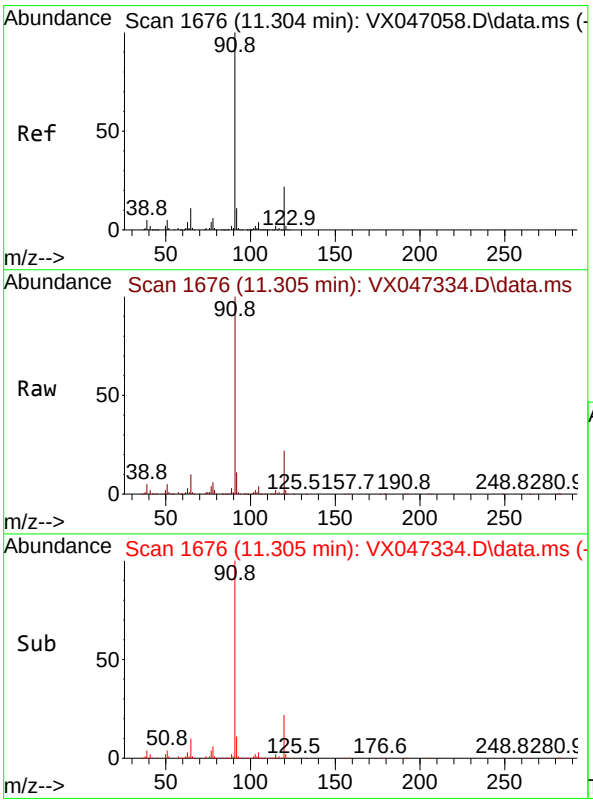
Ion	Ratio	Lower	Upper
156	100		
77	170.4	87.3	261.9
158	97.6	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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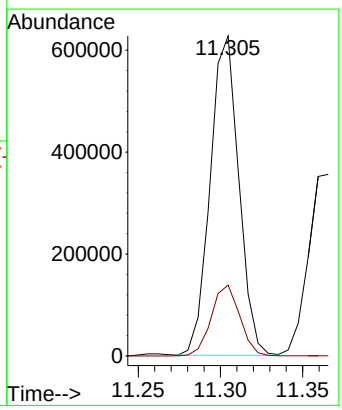
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

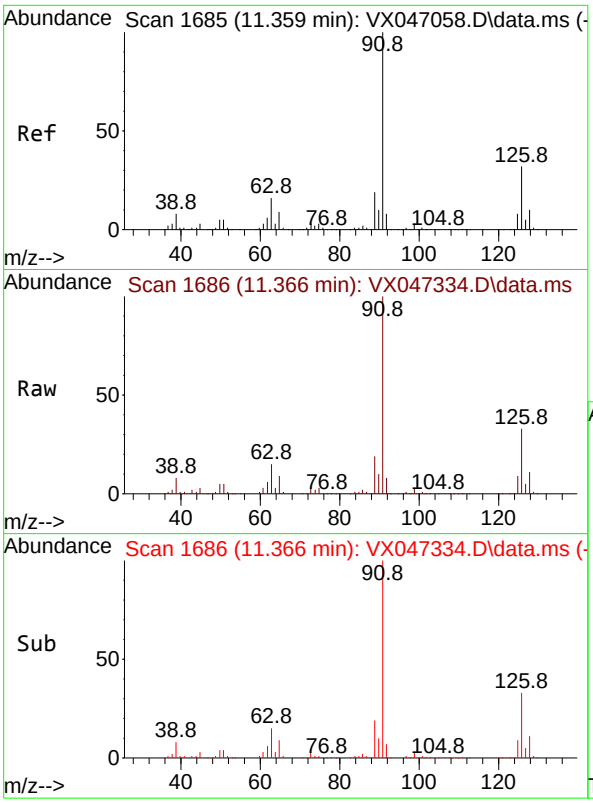


#78
n-propylbenzene
Concen: 49.480 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 91 Resp: 759407

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.0	33.0

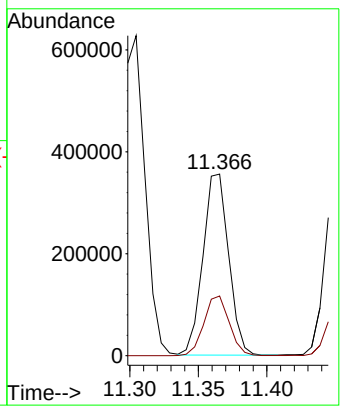




#79
2-Chlorotoluene
Concen: 50.591 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 91 Resp: 46414

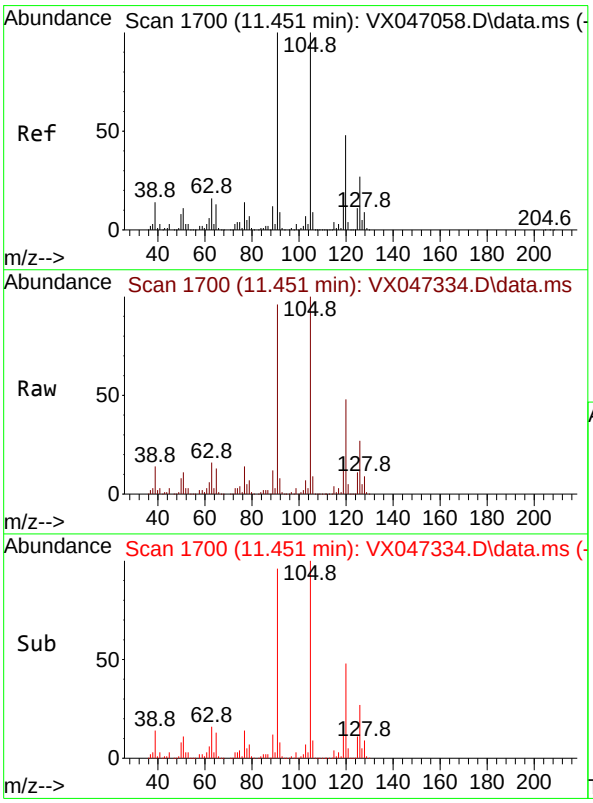
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

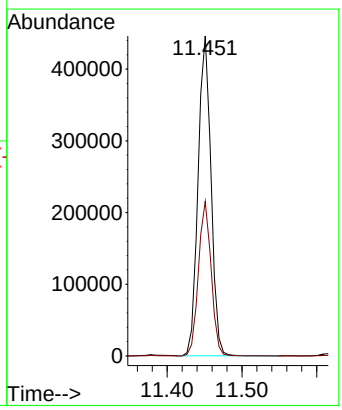
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

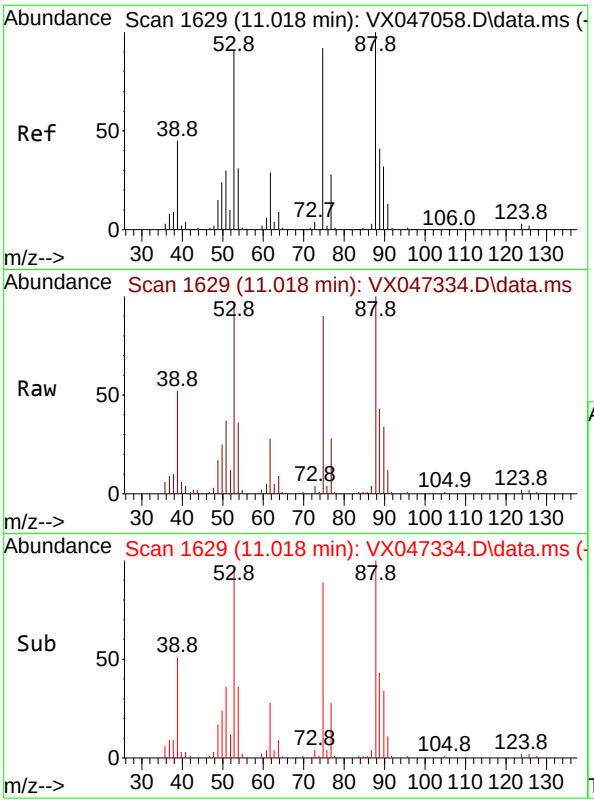


#80
1,3,5-Trimethylbenzene
Concen: 50.457 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:105 Resp: 535382

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.5

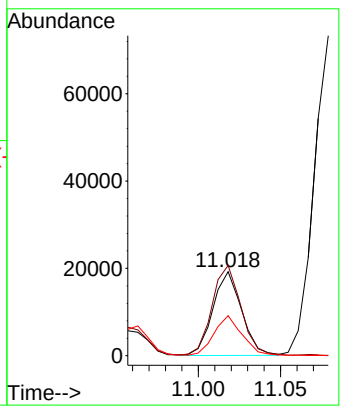




#81
trans-1,4-Dichloro-2-butene
Concen: 19.947 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 75 Resp: 2332

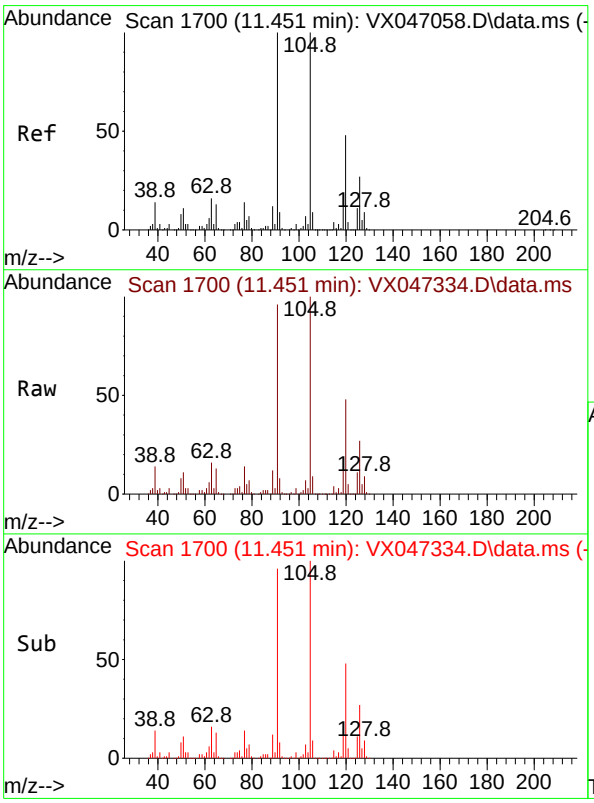
Ion	Ratio	Lower	Upper
75	100		
53	106.7	84.2	126.4
89	47.5	36.0	54.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

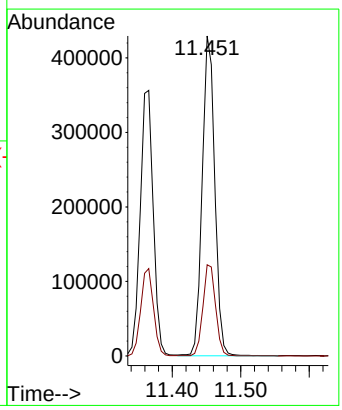
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

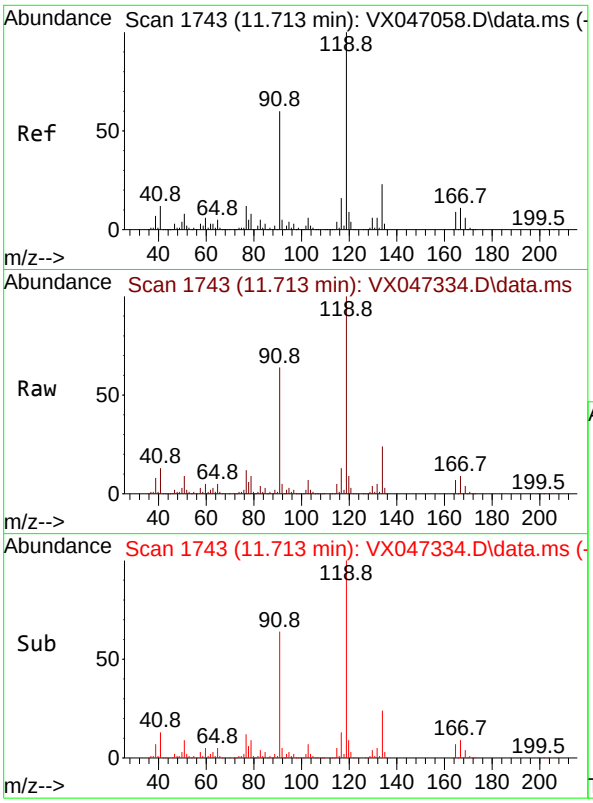


#82
4-Chlorotoluene
Concen: 51.133 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 91 Resp: 547556

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.1	42.3

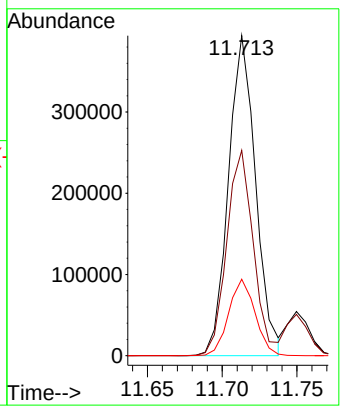




#83
tert-Butylbenzene
Concen: 46.723 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:119 Resp: 49759

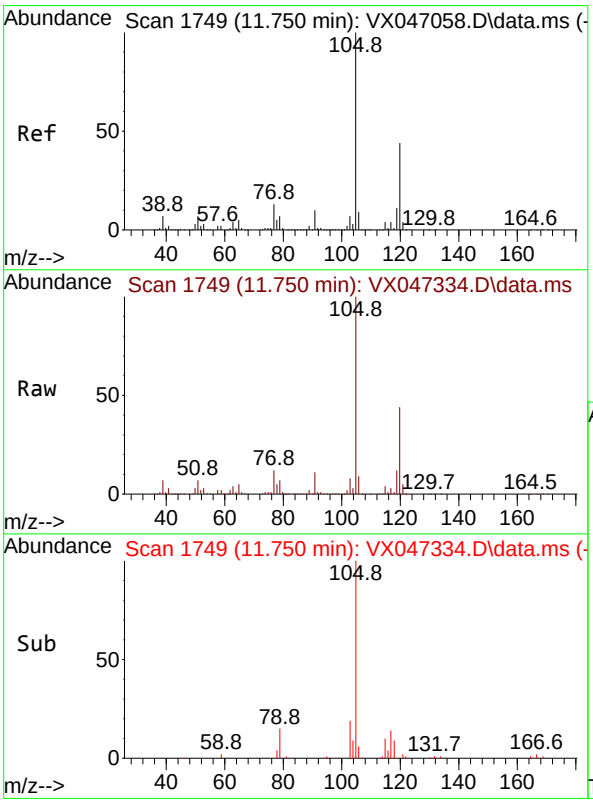
Ion	Ratio	Lower	Upper
119	100		
91	63.2	29.6	88.8
134	23.3	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

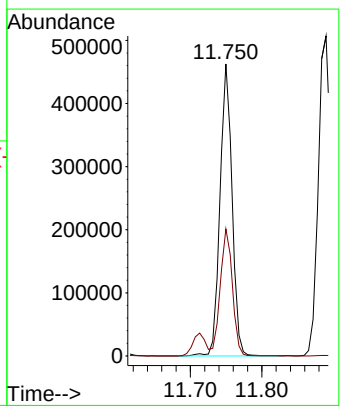
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

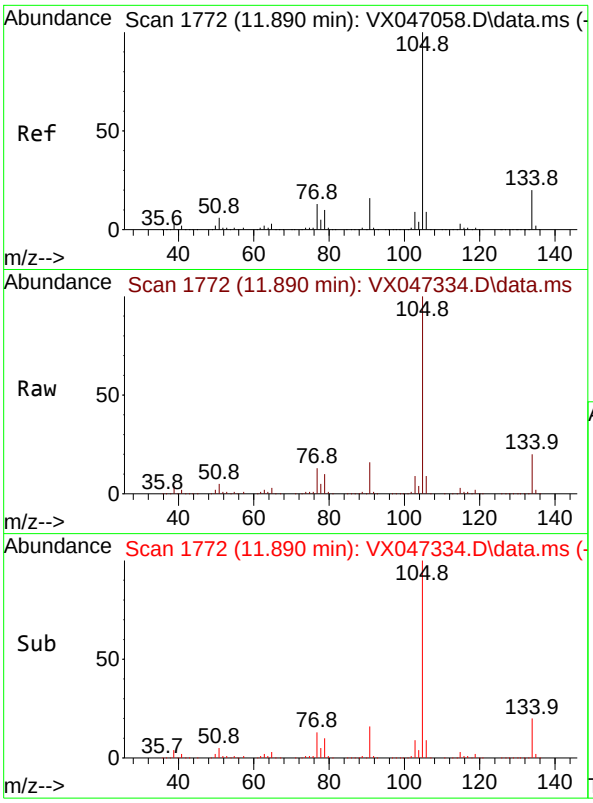


#84
1,2,4-Trimethylbenzene
Concen: 51.202 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:105 Resp: 541887

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.0	66.0

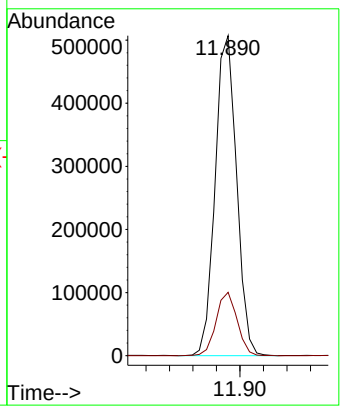




#85
sec-Butylbenzene
Concen: 48.296 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:105 Resp: 64265

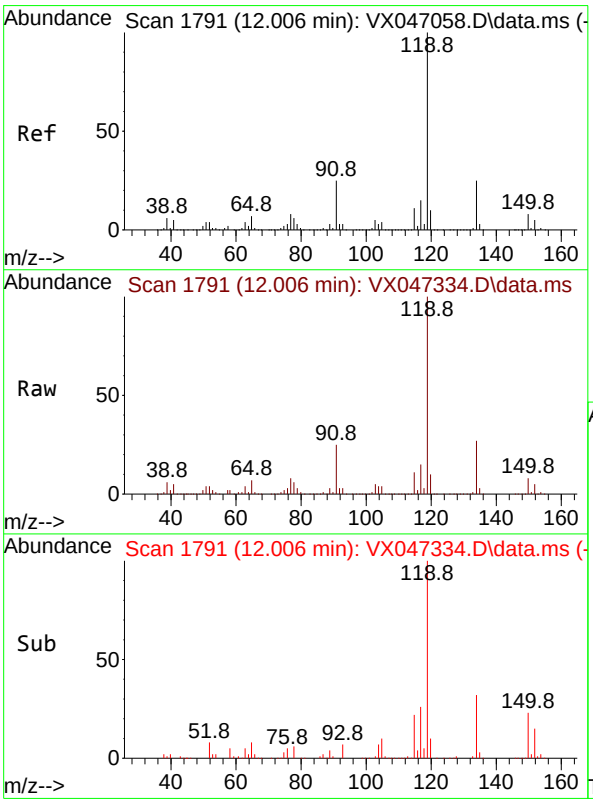
Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

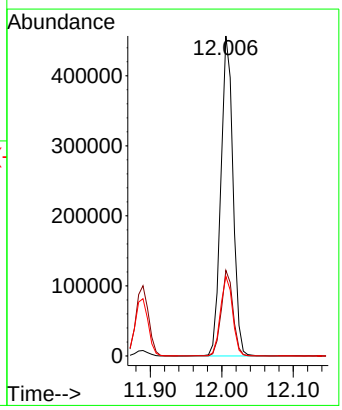
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

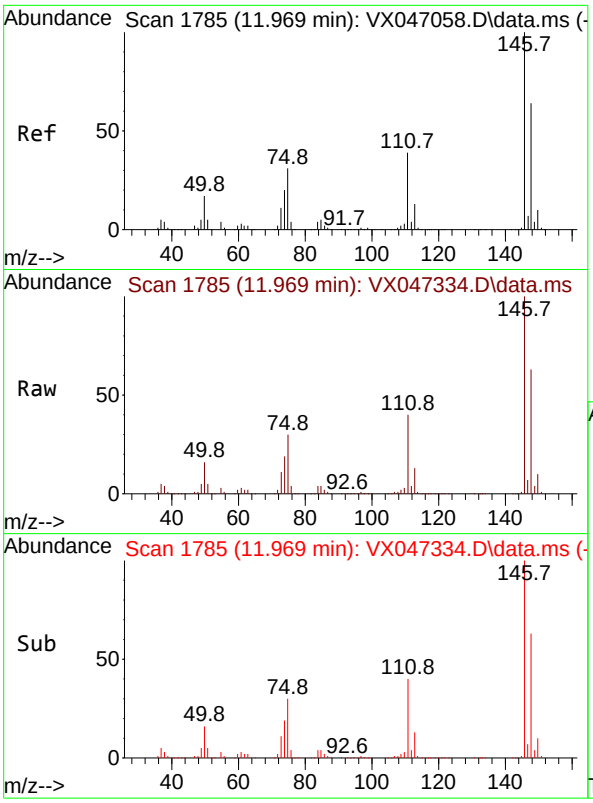


#86
p-Isopropyltoluene
Concen: 48.913 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:119 Resp: 539743

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.8	38.4
91	24.9	12.4	37.4

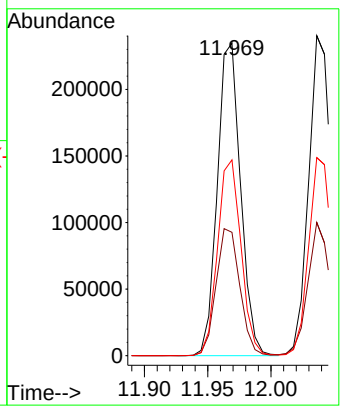




#87
1,3-Dichlorobenzene
Concen: 51.283 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:146 Resp: 30017

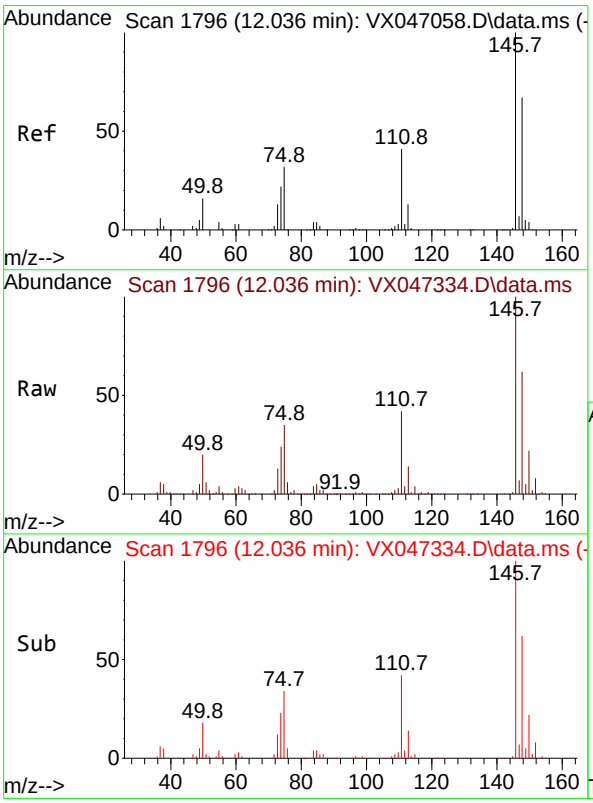
Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	63.2	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

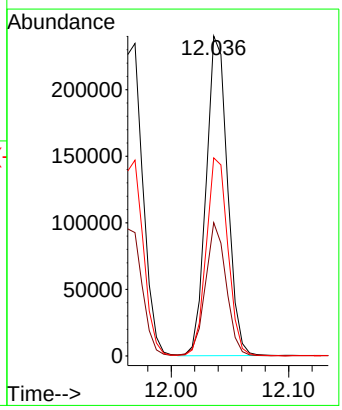
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

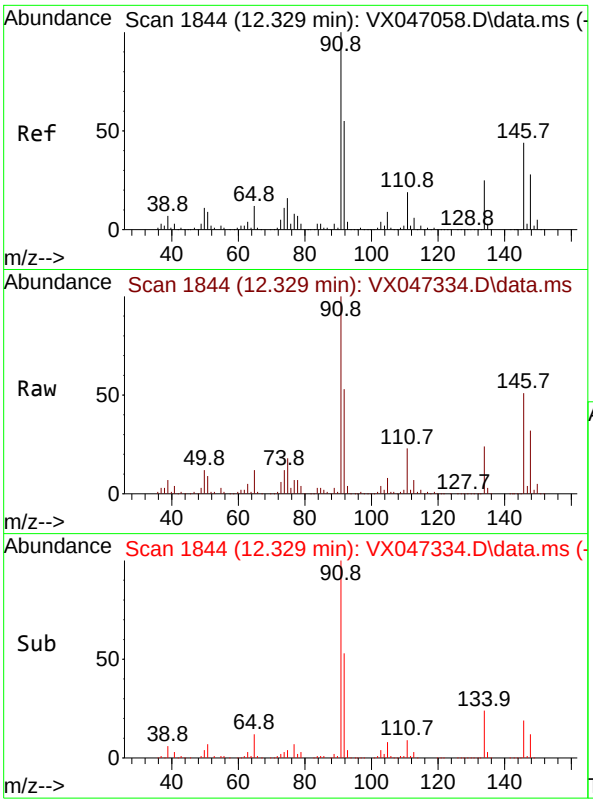


#88
1,4-Dichlorobenzene
Concen: 50.953 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:146 Resp: 302162

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.6	61.9
148	63.4	33.0	98.9

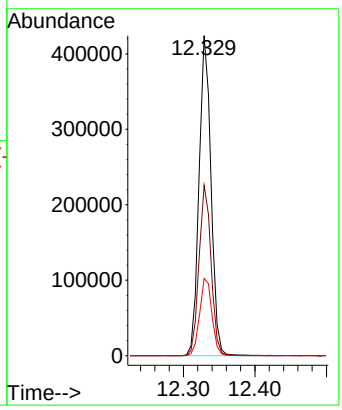




#89
n-Butylbenzene
Concen: 47.494 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 91 Resp: 49148

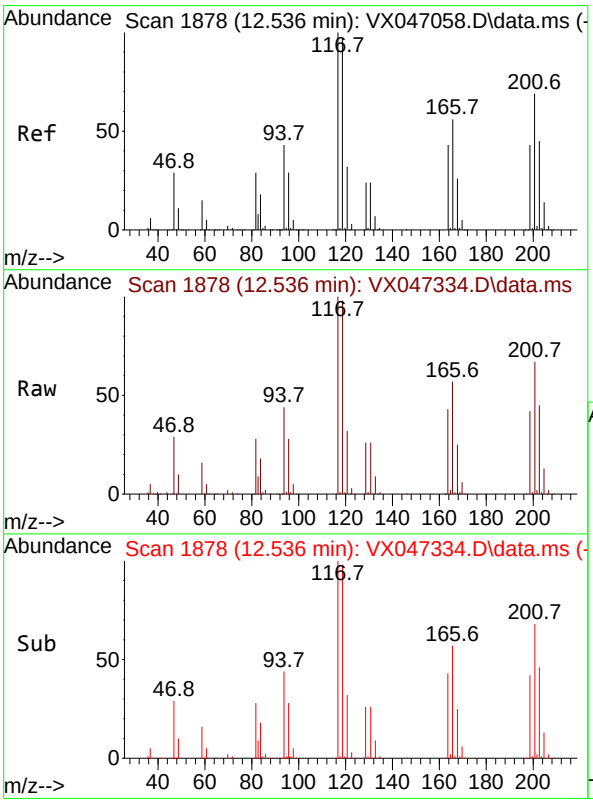
Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.5	82.5
134	24.9	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

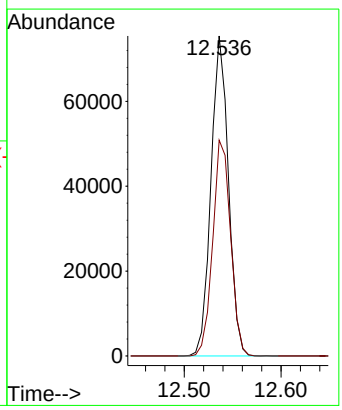
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

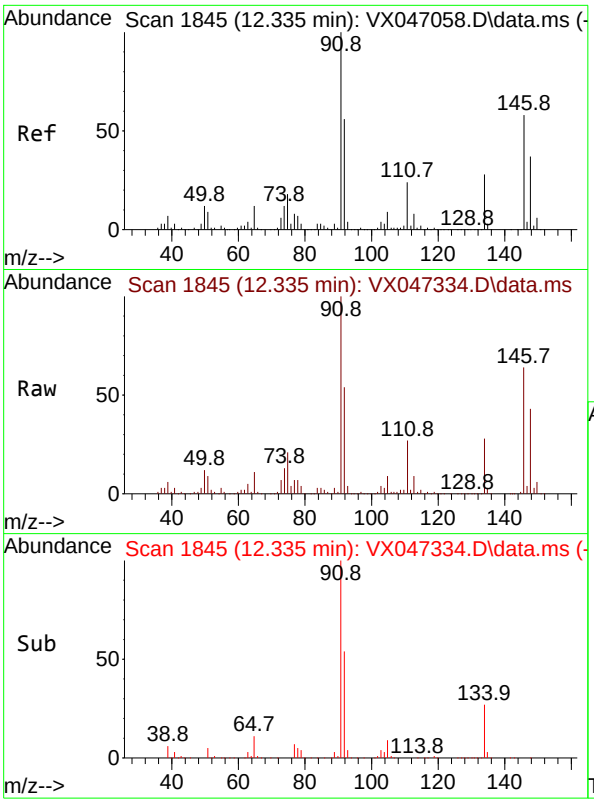


#90
Hexachloroethane
Concen: 47.815 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:117 Resp: 94390

Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.8	104.5

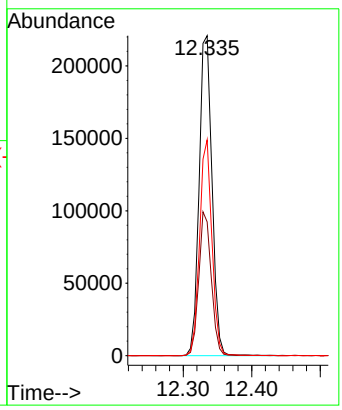




#91
1,2-Dichlorobenzene
Concen: 51.730 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:146 Resp: 28939

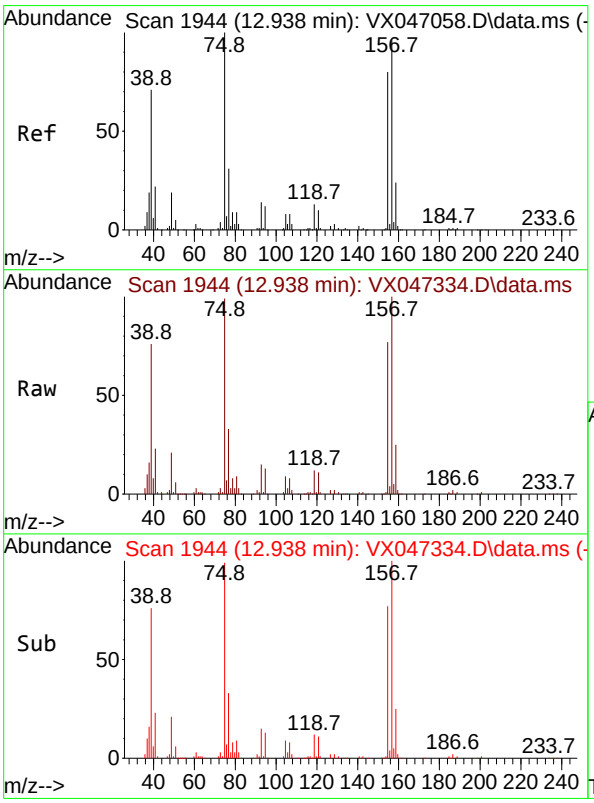
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	64.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

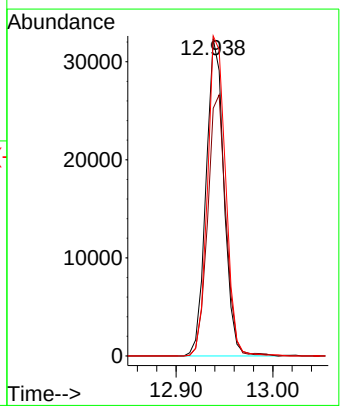
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

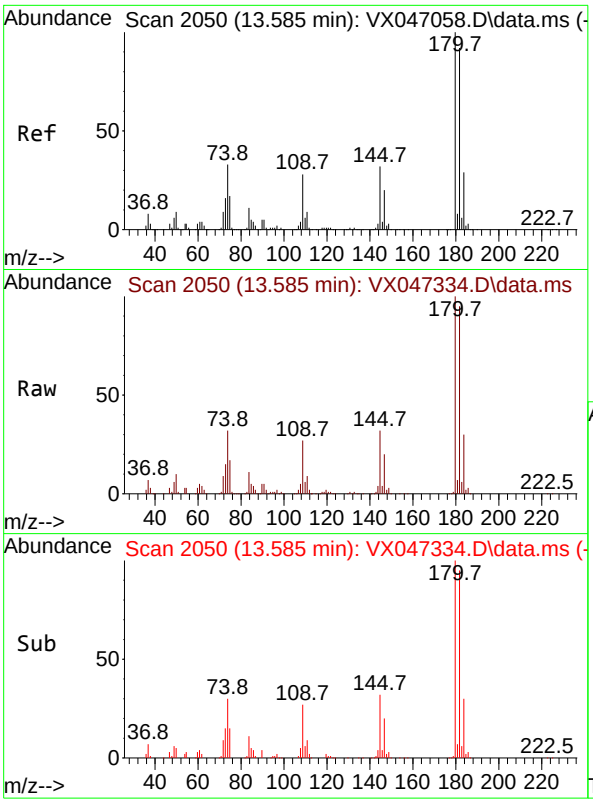


#92
1,2-Dibromo-3-Chloropropane
Concen: 59.218 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 75 Resp: 41702

Ion	Ratio	Lower	Upper
75	100		
155	84.0	41.3	124.1
157	101.9	52.8	158.3

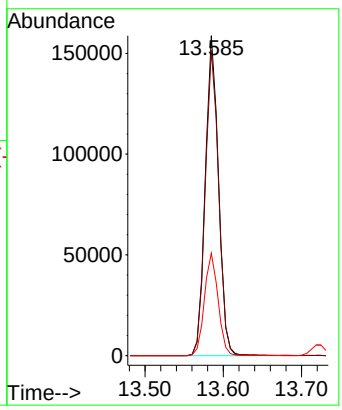




#93
1,2,4-Trichlorobenzene
Concen: 50.374 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:180 Resp: 18618

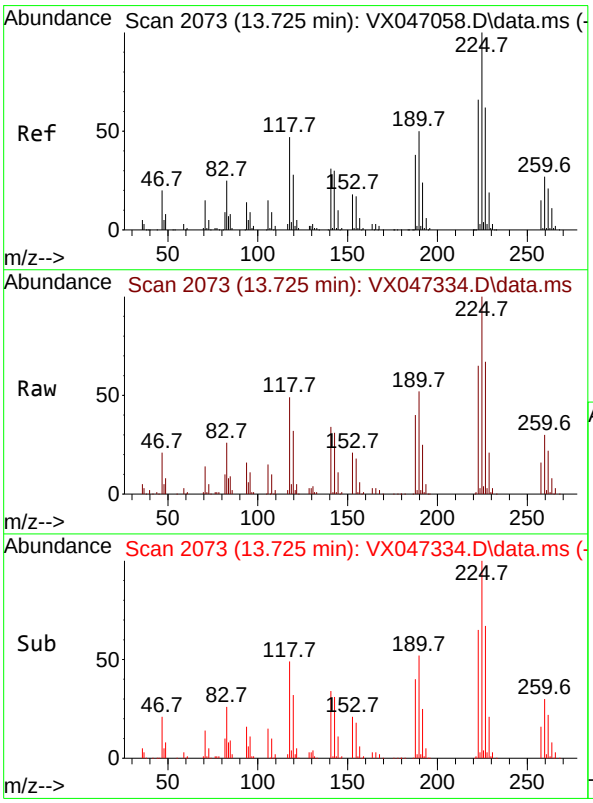
Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.8
145	32.9	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

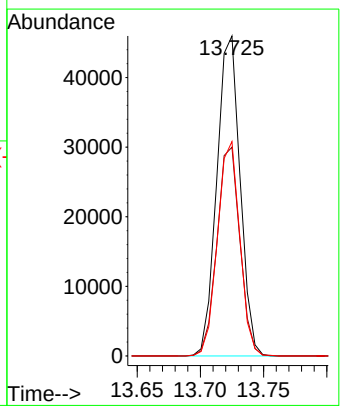
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

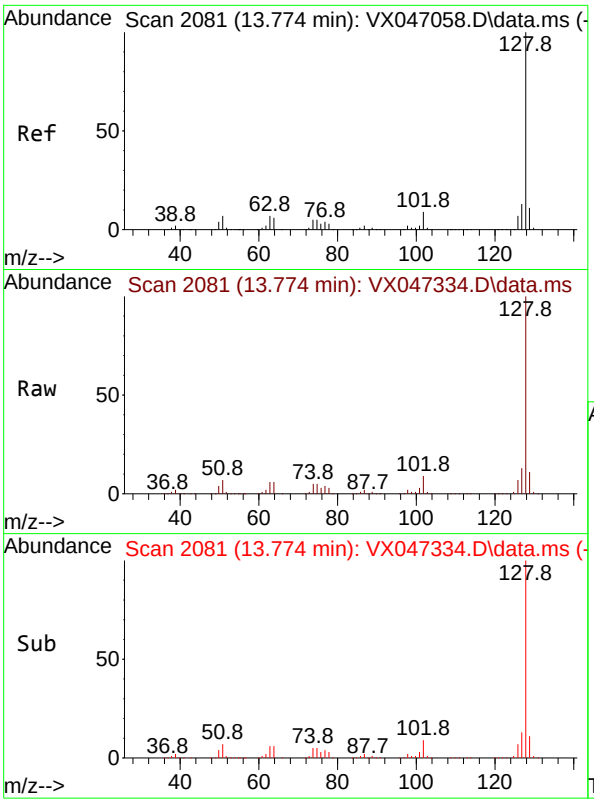


#94
Hexachlorobutadiene
Concen: 46.730 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:225 Resp: 58740

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.6	95.0
227	64.2	32.9	98.6

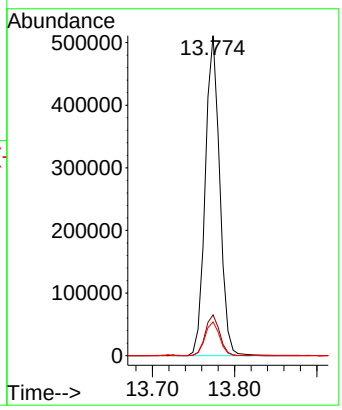




#95
Naphthalene
Concen: 57.649 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:128 Resp: 62465

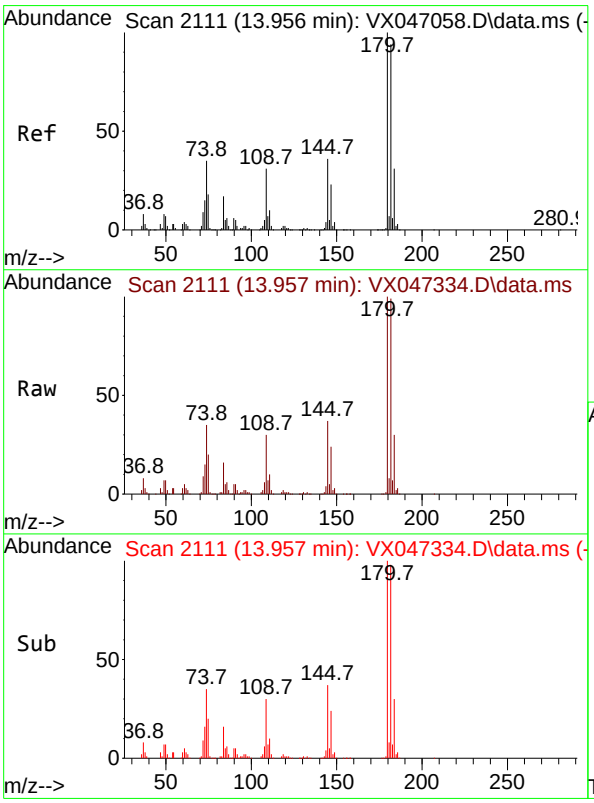
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

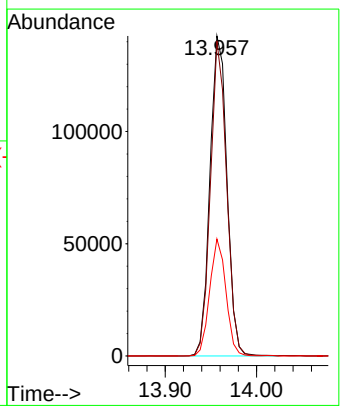
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 51.589 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:180 Resp: 183699

Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.9	140.6
145	34.9	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	66	0.00
2	T	Dichlorodifluoromethane	0.664	0.657	1.1	57	0.00
3	P	Chloromethane	0.657	0.606	7.8	57	0.00
4	C	Vinyl Chloride	0.706	0.731	-3.5#	62	0.00
5	T	Bromomethane	0.384	0.291	24.2	43#	0.00
6	T	Chloroethane	0.464	0.448	3.4	63	0.00
7	T	Trichlorofluoromethane	1.053	1.047	0.6	60	0.00
8	T	Diethyl Ether	0.371	0.413	-11.3	70	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.604	4.7	59	0.00
10	T	Methyl Iodide	0.647	0.995	-53.8#	91	0.00
11	T	Tert butyl alcohol	0.080	0.086	-7.5	77	0.01
12	CM	1,1-Dichloroethene	0.628	0.637	-1.4#	63	0.00
13	T	Acrolein	0.134	0.128	4.5	61	0.00
14	T	Allyl chloride	1.136	1.107	2.6	59	0.00
15	T	Acrylonitrile	0.297	0.361	-21.5	73	0.00
16	T	Acetone	0.250	0.288	-15.2	76	0.00
17	T	Carbon Disulfide	1.818	1.741	4.2	60	0.00
18	T	Methyl Acetate	0.663	0.916	-38.2#	88	0.00
19	T	Methyl tert-butyl Ether	1.912	2.191	-14.6	71	0.00
20	T	Methylene Chloride	0.686	0.758	-10.5	70	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.682	-6.1	65	0.00
22	T	Diisopropyl ether	2.184	2.427	-11.1	68	0.00
23	T	Vinyl Acetate	1.752	1.903	-8.6	65	0.00
24	P	1,1-Dichloroethane	1.214	1.312	-8.1	67	0.00
25	T	2-Butanone	0.363	0.417	-14.9	71	0.01
26	T	2,2-Dichloropropane	0.940	0.582	38.1#	39#	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.834	-9.6	68	0.00
28	T	Bromochloromethane	0.559	0.638	-14.1	69	0.00
29	T	Tetrahydrofuran	0.234	0.276	-17.9	71	0.01
30	C	Chloroform	1.236	1.343	-8.7#	69	0.00
31	T	Cyclohexane	1.164	1.071	8.0	58	0.00
32	T	1,1,1-Trichloroethane	1.074	1.114	-3.7	66	0.00
33	S	1,2-Dichloroethane-d4	0.623	0.700	-12.4	81	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	70	0.00
35	S	Dibromofluoromethane	0.309	0.348	-12.6	82	0.00
36	T	1,1-Dichloropropene	0.526	0.503	4.4	65	0.00
37	T	Ethyl Acetate	0.485	0.598	-23.3	82	0.01
38	T	Carbon Tetrachloride	0.562	0.544	3.2	64	0.00
39	T	Methylcyclohexane	0.657	0.565	14.0	57	0.00
40	TM	Benzene	1.523	1.592	-4.5	68	0.00
41	T	Methacrylonitrile	0.254	0.272	-7.1	66	0.01
42	TM	1,2-Dichloroethane	0.536	0.584	-9.0	71	0.00
43	T	Isopropyl Acetate	0.756	0.889	-17.6	73	0.00
44	TM	Trichloroethene	0.391	0.397	-1.5	66	0.00
45	C	1,2-Dichloropropane	0.381	0.409	-7.3#	70	0.00
46	T	Dibromomethane	0.267	0.302	-13.1	72	0.00
47	T	Bromodichloromethane	0.569	0.612	-7.6	70	0.00
48	T	Methyl methacrylate	0.412	0.460	-11.7	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.005	0.0	69	0.02
50	S	Toluene-d8	1.000	0.968	3.2	73	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.537	-19.6	76	0.00
52	CM	Toluene	0.936	0.991	-5.9#	68	0.00
53	T	t-1,3-Dichloropropene	0.538	0.525	2.4	62	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.577	1.9	62	0.00
55	T	1,1,2-Trichloroethane	0.351	0.396	-12.8	74	0.00
56	T	Ethyl methacrylate	0.520	0.627	-20.6	74	0.00
57	T	1,3-Dichloropropane	0.610	0.667	-9.3	72	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.287	0.7	62	0.00
59	T	2-Hexanone	0.297	0.377	-26.9#	77	0.00
60	T	Dibromochloromethane	0.412	0.461	-11.9	73	0.00
61	T	1,2-Dibromoethane	0.367	0.404	-10.1	72	0.00
62	S	4-Bromofluorobenzene	0.431	0.469	-8.8	80	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	71	0.00
64	T	Tetrachloroethene	0.360	0.440	-22.2	83	0.00
65	PM	Chlorobenzene	1.171	1.212	-3.5	70	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.421	-6.9	71	0.00
67	C	Ethyl Benzene	2.048	2.076	-1.4#	67	0.00
68	T	m/p-Xylenes	0.766	0.776	-1.3	67	0.00
69	T	o-Xylene	0.729	0.762	-4.5	69	0.00
70	T	Styrene	1.250	1.332	-6.6	69	0.00
71	P	Bromoform	0.300	0.335	-11.7	73	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	73	0.00
73	T	Isopropylbenzene	3.945	3.924	0.5	66	0.00
74	T	N-amyl acetate	1.592	1.701	-6.8	69	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.259	-11.7	76	0.00
76	T	1,2,3-Trichloropropane	0.925	0.986	-6.6	72	0.00
77	T	Bromobenzene	0.946	1.001	-5.8	72	0.00
78	T	n-propylbenzene	4.714	4.665	1.0	66	0.00
79	T	2-Chlorotoluene	2.818	2.851	-1.2	68	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.289	-0.9	68	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.143	60.2#	27#	0.00
82	T	4-Chlorotoluene	3.289	3.363	-2.2	69	0.00
83	T	tert-Butylbenzene	3.271	3.057	6.5	62	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.329	-2.4	68	0.00
85	T	sec-Butylbenzene	4.087	3.948	3.4	65	0.00
86	T	p-Isopropyltoluene	3.389	3.315	2.2	65	0.00
87	T	1,3-Dichlorobenzene	1.798	1.844	-2.6	70	0.00
88	T	1,4-Dichlorobenzene	1.821	1.856	-1.9	71	0.00
89	T	n-Butylbenzene	3.178	3.019	5.0	64	0.00
90	T	Hexachloroethane	0.606	0.580	4.3	64	0.00
91	T	1,2-Dichlorobenzene	1.718	1.778	-3.5	71	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.256	-18.5	78	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.144	-0.8	68	0.00
94	T	Hexachlorobutadiene	0.386	0.361	6.5	65	0.00
95	T	Naphthalene	3.328	3.837	-15.3	74	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	1.128	-3.1	70	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	66	0.00
2	T	Dichlorodifluoromethane	50.000	49.434	1.1	57	0.00
3	P	Chloromethane	50.000	46.133	7.7	57	0.00
4	C	Vinyl Chloride	50.000	51.777	-3.6#	62	0.00
5	T	Bromomethane	50.000	37.927	24.1	43	0.00
6	T	Chloroethane	50.000	48.258	3.5	63	0.00
7	T	Trichlorofluoromethane	50.000	49.717	0.6	60	0.00
8	T	Diethyl Ether	50.000	55.556	-11.1	70	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.574	4.9	59	0.00
10	T	Methyl Iodide	50.000	76.942	-53.9#	91	0.00
11	T	Tert butyl alcohol	250.000	296.193	-18.5	77	0.01
12	CM	1,1-Dichloroethene	50.000	50.675	-1.3#	63	0.00
13	T	Acrolein	250.000	238.735	4.5	61	0.00
14	T	Allyl chloride	50.000	48.725	2.5	59	0.00
15	T	Acrylonitrile	250.000	304.062	-21.6	73	0.00
16	T	Acetone	250.000	288.492	-15.4	76	0.00
17	T	Carbon Disulfide	50.000	47.874	4.3	60	0.00
18	T	Methyl Acetate	50.000	69.057	-38.1#	88	0.00
19	T	Methyl tert-butyl Ether	50.000	57.288	-14.6	71	0.00
20	T	Methylene Chloride	50.000	55.207	-10.4	70	0.00
21	T	trans-1,2-Dichloroethene	50.000	53.013	-6.0	65	0.00
22	T	Diisopropyl ether	50.000	55.568	-11.1	68	0.00
23	T	Vinyl Acetate	250.000	271.550	-8.6	65	0.00
24	P	1,1-Dichloroethane	50.000	54.022	-8.0	67	0.00
25	T	2-Butanone	250.000	286.642	-14.7	71	0.01
26	T	2,2-Dichloropropane	50.000	30.943	38.1#	39	0.00
27	T	cis-1,2-Dichloroethene	50.000	54.770	-9.5	68	0.00
28	T	Bromochloromethane	50.000	57.062	-14.1	69	0.00
29	T	Tetrahydrofuran	250.000	293.999	-17.6	71	0.01
30	C	Chloroform	50.000	54.310	-8.6#	69	0.00
31	T	Cyclohexane	50.000	45.987	8.0	58	0.00
32	T	1,1,1-Trichloroethane	50.000	51.894	-3.8	66	0.00
33	S	1,2-Dichloroethane-d4	50.000	56.170	-12.3	81	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	70	0.00
35	S	Dibromofluoromethane	50.000	56.338	-12.7	82	0.00
36	T	1,1-Dichloropropene	50.000	47.746	4.5	65	0.00
37	T	Ethyl Acetate	50.000	61.671	-23.3	82	0.01
38	T	Carbon Tetrachloride	50.000	48.436	3.1	64	0.00
39	T	Methylcyclohexane	50.000	42.990	14.0	57	0.00
40	TM	Benzene	50.000	52.258	-4.5	68	0.00
41	T	Methacrylonitrile	50.000	53.704	-7.4	66	0.01
42	TM	1,2-Dichloroethane	50.000	54.449	-8.9	71	0.00
43	T	Isopropyl Acetate	50.000	58.771	-17.5	73	0.00
44	TM	Trichloroethene	50.000	50.839	-1.7	66	0.00
45	C	1,2-Dichloropropane	50.000	53.617	-7.2#	70	0.00
46	T	Dibromomethane	50.000	56.394	-12.8	72	0.00
47	T	Bromodichloromethane	50.000	53.726	-7.5	70	0.00
48	T	Methyl methacrylate	50.000	55.869	-11.7	73	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1096.675	-9.7	69	0.02
50	S	Toluene-d8	50.000	48.401	3.2	73	0.00
51	T	4-Methyl-2-Pentanone	250.000	298.510	-19.4	76	0.00
52	CM	Toluene	50.000	52.894	-5.8#	68	0.00
53	T	t-1,3-Dichloropropene	50.000	48.781	2.4	62	0.00
54	T	cis-1,3-Dichloropropene	50.000	49.007	2.0	62	0.00
55	T	1,1,2-Trichloroethane	50.000	56.437	-12.9	74	0.00
56	T	Ethyl methacrylate	50.000	60.258	-20.5	74	0.00
57	T	1,3-Dichloropropane	50.000	54.612	-9.2	72	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	248.283	0.7	62	0.00
59	T	2-Hexanone	250.000	317.134	-26.9#	77	0.00
60	T	Dibromochloromethane	50.000	55.953	-11.9	73	0.00
61	T	1,2-Dibromoethane	50.000	54.984	-10.0	72	0.00
62	S	4-Bromofluorobenzene	50.000	54.458	-8.9	80	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	71	0.00
64	T	Tetrachloroethene	50.000	61.091	-22.2	83	0.00
65	PM	Chlorobenzene	50.000	51.735	-3.5	70	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.426	-6.9	71	0.00
67	C	Ethyl Benzene	50.000	50.679	-1.4#	67	0.00
68	T	m/p-Xylenes	100.000	101.242	-1.2	67	0.00
69	T	o-Xylene	50.000	52.266	-4.5	69	0.00
70	T	Styrene	50.000	53.262	-6.5	69	0.00
71	P	Bromoform	50.000	55.976	-12.0	73	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	73	0.00
73	T	Isopropylbenzene	50.000	49.743	0.5	66	0.00
74	T	N-amyl acetate	50.000	53.447	-6.9	69	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	55.852	-11.7	76	0.00
76	T	1,2,3-Trichloropropane	50.000	53.272	-6.5	72	0.00
77	T	Bromobenzene	50.000	52.905	-5.8	72	0.00
78	T	n-propylbenzene	50.000	49.480	1.0	66	0.00
79	T	2-Chlorotoluene	50.000	50.591	-1.2	68	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.457	-0.9	68	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	19.947	60.1#	27	0.00
82	T	4-Chlorotoluene	50.000	51.133	-2.3	69	0.00
83	T	tert-Butylbenzene	50.000	46.723	6.6	62	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.202	-2.4	68	0.00
85	T	sec-Butylbenzene	50.000	48.296	3.4	65	0.00
86	T	p-Isopropyltoluene	50.000	48.913	2.2	65	0.00
87	T	1,3-Dichlorobenzene	50.000	51.283	-2.6	70	0.00
88	T	1,4-Dichlorobenzene	50.000	50.953	-1.9	71	0.00
89	T	n-Butylbenzene	50.000	47.494	5.0	64	0.00
90	T	Hexachloroethane	50.000	47.815	4.4	64	0.00
91	T	1,2-Dichlorobenzene	50.000	51.730	-3.5	71	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	59.218	-18.4	78	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.374	-0.7	68	0.00
94	T	Hexachlorobutadiene	50.000	46.730	6.5	65	0.00
95	T	Naphthalene	50.000	57.649	-15.3	74	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	51.589	-3.2	70	0.00

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	FIRS02
Lab Code:	ACE	SDG No.:	Q2814
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/14/2025 10:37
Lab File ID:	VX047336.D	Init. Calib. Date(s):	07/21/2025 07/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.664	0.627		-5.57	20
Chloromethane	0.657	0.527	0.1	-19.79	20
Vinyl Chloride	0.706	0.666		-5.67	20
Bromomethane	0.384	0.350		-8.85	20
Chloroethane	0.464	0.390		-15.95	20
Trichlorofluoromethane	1.053	1.002		-4.84	20
1,1,2-Trichlorotrifluoroethane	0.634	0.593		-6.47	20
1,1-Dichloroethene	0.628	0.585		-6.85	20
Acetone	0.250	0.257		2.8	20
Carbon Disulfide	1.818	1.552		-14.63	20
Methyl tert-butyl Ether	1.912	1.925		0.68	20
Methyl Acetate	0.663	0.739		11.46	20
Methylene Chloride	0.686	0.648		-5.54	20
trans-1,2-Dichloroethene	0.643	0.610		-5.13	20
1,1-Dichloroethane	1.214	1.163	0.1	-4.2	20
Cyclohexane	1.164	1.011		-13.14	20
2-Butanone	0.363	0.345		-4.96	20
Carbon Tetrachloride	0.562	0.519		-7.65	20
cis-1,2-Dichloroethene	0.761	0.724		-4.86	20
Bromochloromethane	0.559	0.546		-2.33	20
Chloroform	1.236	1.187		-3.96	20
1,1,1-Trichloroethane	1.074	1.011		-5.87	20
Methylcyclohexane	0.657	0.575		-12.48	20
Benzene	1.523	1.454		-4.53	20
1,2-Dichloroethane	0.536	0.536		0	20
Trichloroethene	0.391	0.369		-5.63	20
1,2-Dichloropropane	0.381	0.370		-2.89	20
Bromodichloromethane	0.569	0.561		-1.41	20
4-Methyl-2-Pentanone	0.449	0.461		2.67	20
Toluene	0.936	0.914		-2.35	20
t-1,3-Dichloropropene	0.538	0.522		-2.97	20
cis-1,3-Dichloropropene	0.588	0.566		-3.74	20
1,1,2-Trichloroethane	0.351	0.357		1.71	20
2-Hexanone	0.297	0.319		7.41	20
Dibromochloromethane	0.412	0.417		1.21	20
1,2-Dibromoethane	0.367	0.364		-0.82	20
Tetrachloroethene	0.360	0.333		-7.5	20
Chlorobenzene	1.171	1.128	0.3	-3.67	20

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

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:	FIRS02
Lab Code:	ACE	SDG No.:	Q2814
Instrument ID:	MSVOA_X	Calibration Date/Time:	08/14/2025 10:37
Lab File ID:	VX047336.D	Init. Calib. Date(s):	07/21/2025 07/21/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.048	1.958		-4.39	20
m/p-Xylenes	0.766	0.731		-4.57	20
o-Xylene	0.729	0.710		-2.61	20
Styrene	1.250	1.243		-0.56	20
Bromoform	0.300	0.308	0.1	2.67	20
Isopropylbenzene	3.945	3.721		-5.68	20
1,1,2,2-Tetrachloroethane	1.127	1.125	0.3	-0.18	20
1,3-Dichlorobenzene	1.798	1.687		-6.17	20
1,4-Dichlorobenzene	1.821	1.704		-6.43	20
1,2-Dichlorobenzene	1.718	1.623		-5.53	20
1,2-Dibromo-3-Chloropropane	0.216	0.226		4.63	20
1,2,4-Trichlorobenzene	1.135	1.084		-4.49	20
1,2,3-Trichlorobenzene	1.094	1.040		-4.94	20
1,2-Dichloroethane-d4	0.623	0.665		6.74	20
Dibromofluoromethane	0.309	0.308		-0.32	20
Toluene-d8	1.000	1.081		8.1	20
4-Bromofluorobenzene	0.431	0.410		-4.87	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\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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)
Internal Standards						
1) Pentafluorobenzene	5.556	168	216185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	364381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	324602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	143806	53.400	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.800%			
35) Dibromofluoromethane	5.391	113	112385	49.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.900%			
50) Toluene-d8	8.647	98	393982	54.074	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.140%			
62) 4-Bromofluorobenzene	11.079	95	149323	47.558	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	135545	47.204	ug/l	99
3) Chloromethane	1.313	50	113834	40.077	ug/l	97
4) Vinyl Chloride	1.392	62	144021	47.169	ug/l	100
5) Bromomethane	1.624	94	75625	45.596	ug/l	97
6) Chloroethane	1.703	64	84231	42.002	ug/l	100
7) Trichlorofluoromethane	1.904	101	216554	47.564	ug/l	100
8) Diethyl Ether	2.148	74	78459	48.875	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	128258	46.758	ug/l	100
10) Methyl Iodide	2.471	142	227234	81.283	ug/l	99
11) Tert butyl alcohol	2.959	59	77256	245.210	ug/l	98
12) 1,1-Dichloroethene	2.337	96	126375	46.516	ug/l	96
13) Acrolein	2.245	56	177582	306.256	ug/l	97
14) Allyl chloride	2.678	41	224146	45.641	ug/l	97
15) Acrylonitrile	3.081	53	332220	258.666	ug/l	100
16) Acetone	2.392	43	277725	257.435	ug/l	99
17) Carbon Disulfide	2.526	76	335535	42.691	ug/l	98
18) Methyl Acetate	2.715	43	159702	55.705	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	416236	50.341	ug/l	100
20) Methylene Chloride	2.800	84	140028	47.180	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	131779	47.400	ug/l	100
22) Diisopropyl ether	3.770	45	467231	49.485	ug/l	95
23) Vinyl Acetate	3.727	43	1927253	254.488	ug/l	100
24) 1,1-Dichloroethane	3.623	63	251395	47.881	ug/l	100
25) 2-Butanone	4.562	43	373367	237.685	ug/l	98
26) 2,2-Dichloropropane	4.483	77	192048	47.252	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	156555	47.554	ug/l	98
28) Bromochloromethane	4.903	49	117976	48.841	ug/l	97
29) Tetrahydrofuran	5.019	42	240173	236.966	ug/l	95
30) Chloroform	5.105	83	256605	48.012	ug/l	98
31) Cyclohexane	5.477	56	218621	43.426	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	218576	47.085	ug/l	99
36) 1,1-Dichloropropene	5.696	75	175706	45.816	ug/l	99
37) Ethyl Acetate	4.721	43	199675	56.505	ug/l	95
38) Carbon Tetrachloride	5.684	117	189096	46.198	ug/l	99
39) Methylcyclohexane	7.385	83	209626	43.780	ug/l	97
40) Benzene	6.044	78	529812	47.737	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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	4.928	41	84008	45.467 ug/l #	90
42) 1,2-Dichloroethane	6.092	62	195142	49.914 ug/l	99
43) Isopropyl Acetate	6.342	43	284290	51.604 ug/l	98
44) Trichloroethene	7.129	130	134500	47.259 ug/l	100
45) 1,2-Dichloropropane	7.434	63	134701	48.459 ug/l	94
46) Dibromomethane	7.580	93	100103	51.354 ug/l	99
47) Bromodichloromethane	7.824	83	204348	49.252 ug/l	98
48) Methyl methacrylate	7.696	41	150081	50.008 ug/l	99
49) 1,4-Dioxane	7.677	88	33880	992.555 ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	839443	256.357 ug/l	100
52) Toluene	8.720	92	333006	48.798 ug/l	97
53) t-1,3-Dichloropropene	8.976	75	190158	48.534 ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	206091	48.060 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	129962	50.781 ug/l	99
56) Ethyl methacrylate	9.116	69	199756	52.723 ug/l	99
57) 1,3-Dichloropropane	9.305	76	223669	50.286 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	486170	230.595 ug/l	99
59) 2-Hexanone	9.433	43	581283	268.689 ug/l	98
60) Dibromochloromethane	9.519	129	151824	50.582 ug/l	98
61) 1,2-Dibromoethane	9.610	107	132764	49.612 ug/l	99
64) Tetrachloroethene	9.275	164	108216	46.246 ug/l	96
65) Chlorobenzene	10.079	112	366123	48.146 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	127490	49.796 ug/l	99
67) Ethyl Benzene	10.189	91	635493	47.796 ug/l	99
68) m/p-Xylenes	10.299	106	474279	95.321 ug/l	99
69) o-Xylene	10.640	106	230538	48.705 ug/l	99
70) Styrene	10.652	104	403534	49.717 ug/l	99
71) Bromoform	10.799	173	99964	51.400 ug/l #	99
73) Isopropylbenzene	10.957	105	608481	47.161 ug/l	99
74) N-amyl acetate	10.841	43	249680	47.961 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	184000	49.925 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	145759m	48.152 ug/l	
77) Bromobenzene	11.195	156	148259	47.908 ug/l	99
78) n-propylbenzene	11.299	91	719706	46.679 ug/l	99
79) 2-Chlorotoluene	11.360	91	425760	46.196 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	498341	46.752 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28193	23.996 ug/l	99
82) 4-Chlorotoluene	11.451	91	507914	47.214 ug/l	99
83) tert-Butylbenzene	11.713	119	500803	46.810 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	505905	47.584 ug/l	100
85) sec-Butylbenzene	11.890	105	616388	46.111 ug/l	100
86) p-Isopropyltoluene	12.006	119	521639	47.057 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	275882	46.918 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	278635	46.772 ug/l	98
89) n-Butylbenzene	12.329	91	480966	46.266 ug/l	99
90) Hexachloroethane	12.536	117	90498	45.634 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	265351	47.216 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36891	52.147 ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	177290	47.747 ug/l	99
94) Hexachlorobutadiene	13.725	225	59624	47.216 ug/l	97
95) Naphthalene	13.774	128	549381	50.471 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	170122	47.558 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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)

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

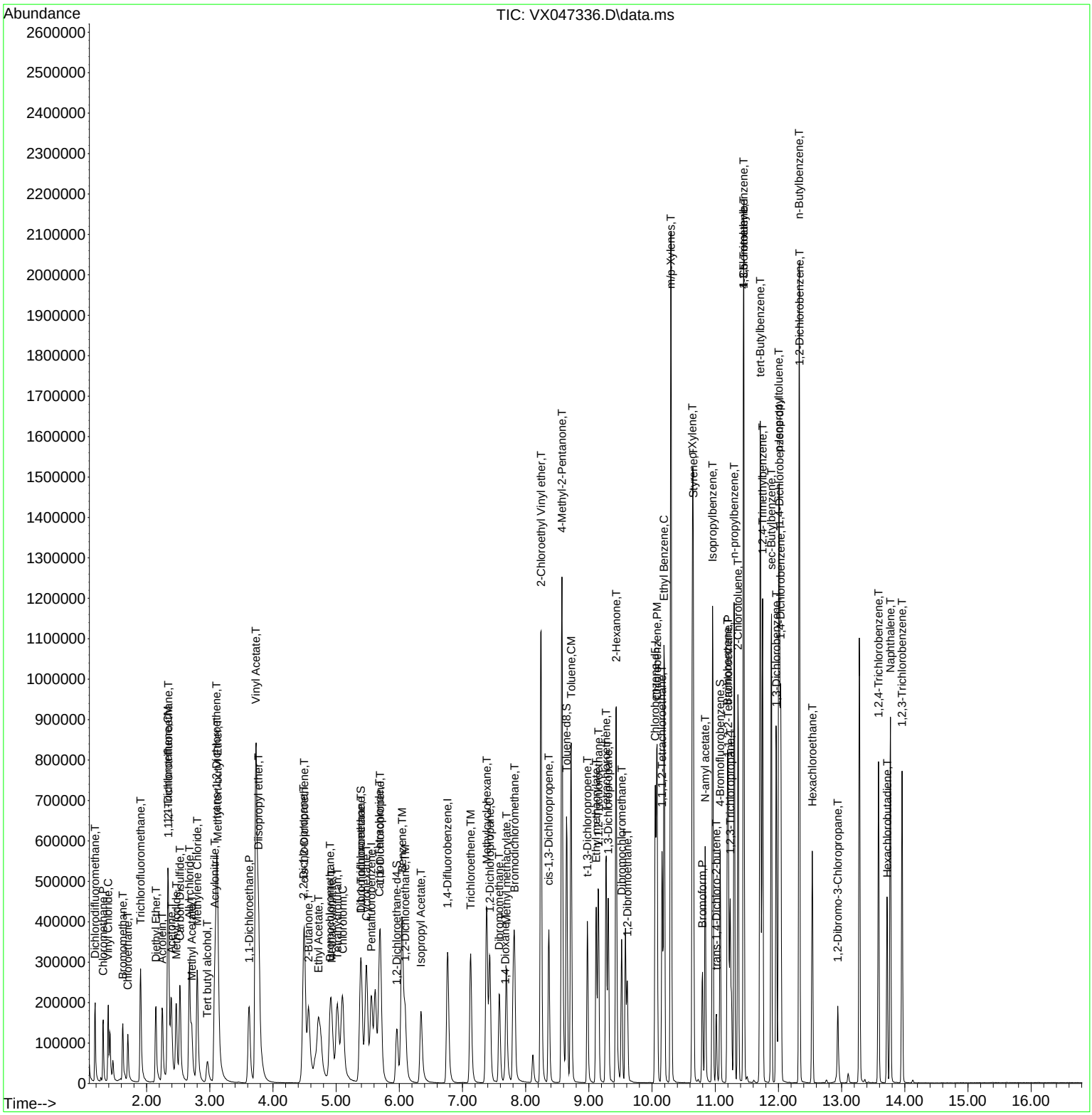
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Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

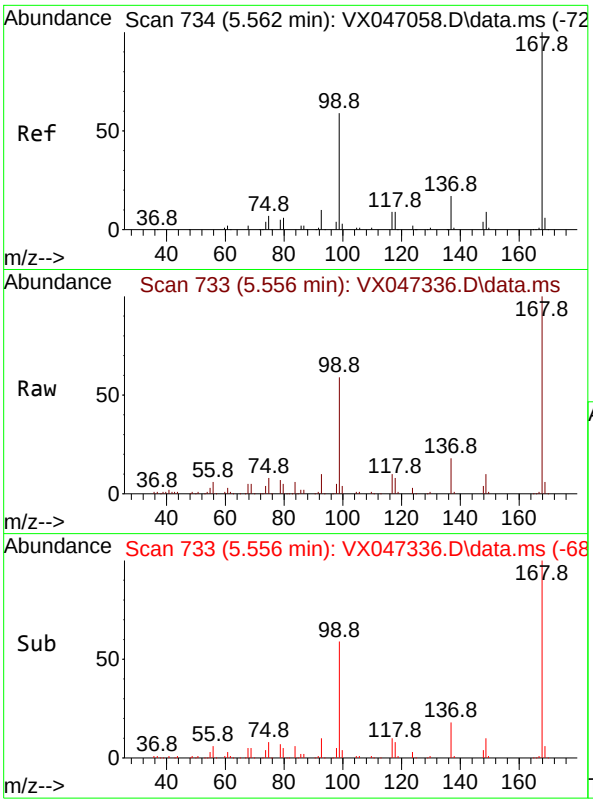
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Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

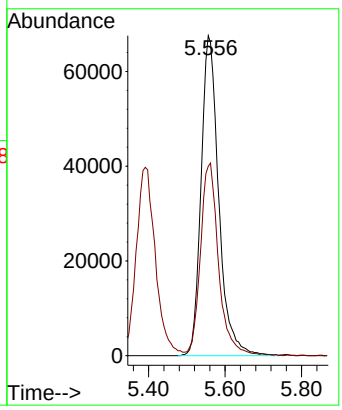




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:168 Resp: 21618

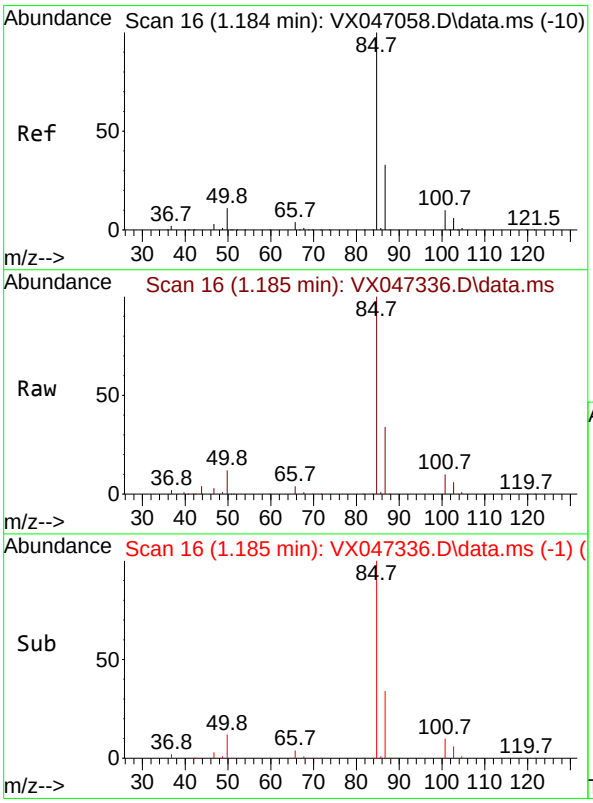
Ion	Ratio	Lower	Upper
168	100		
99	59.0	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

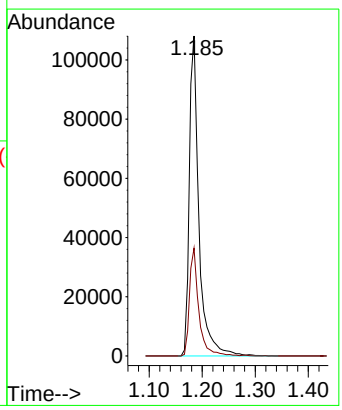
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

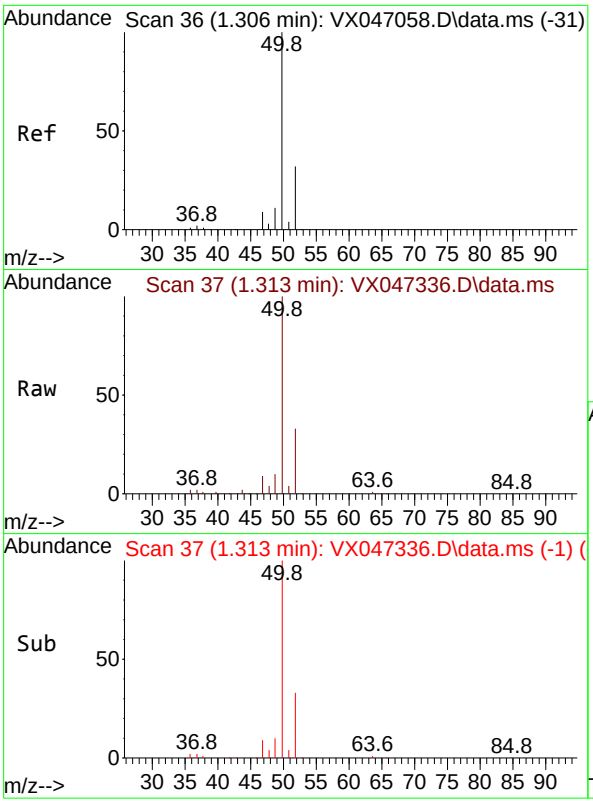


#2
Dichlorodifluoromethane
Concen: 47.204 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 85 Resp: 135545

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.6	49.8

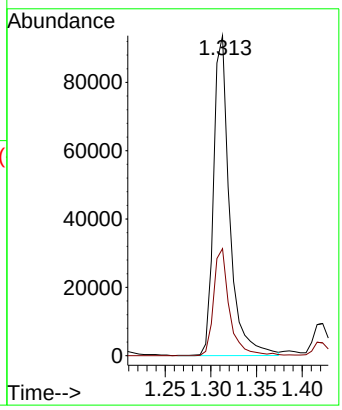




#3
Chloromethane
Concen: 40.077 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 50 Resp: 11383

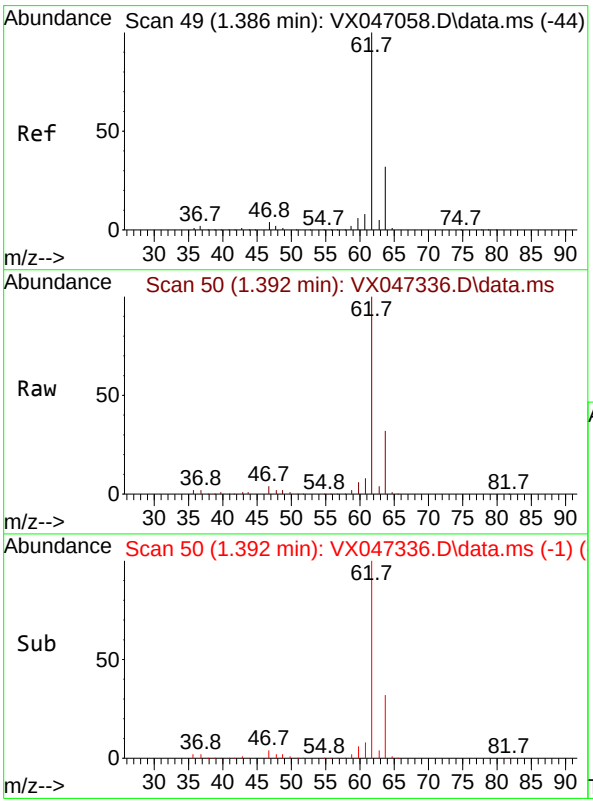
Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

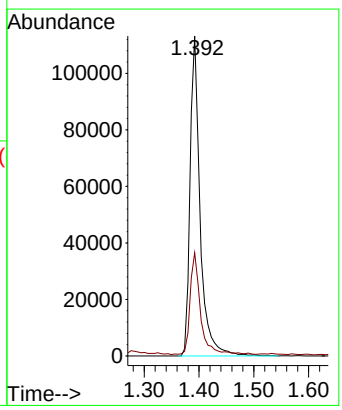
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

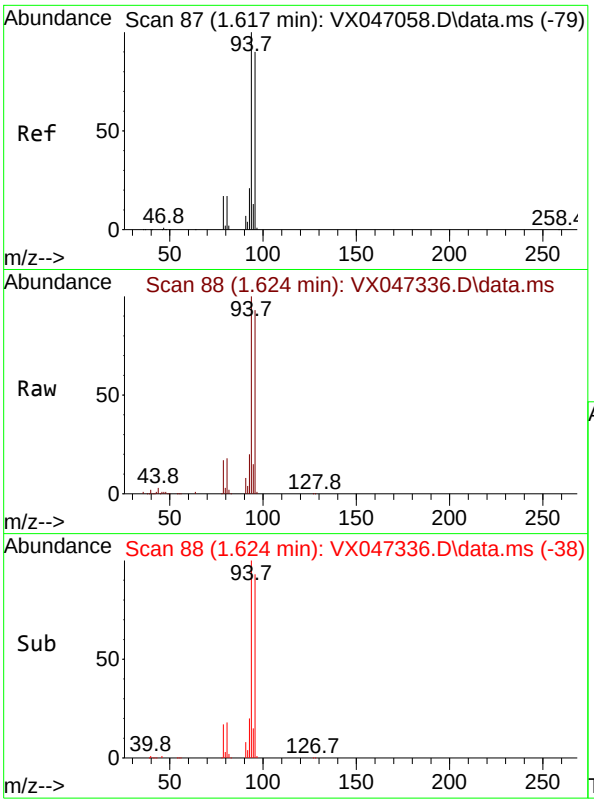


#4
Vinyl Chloride
Concen: 47.169 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 62 Resp: 144021

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.2	37.8

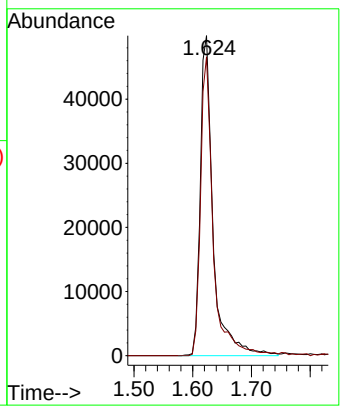




#5
Bromomethane
Concen: 45.596 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 94 Resp: 7562

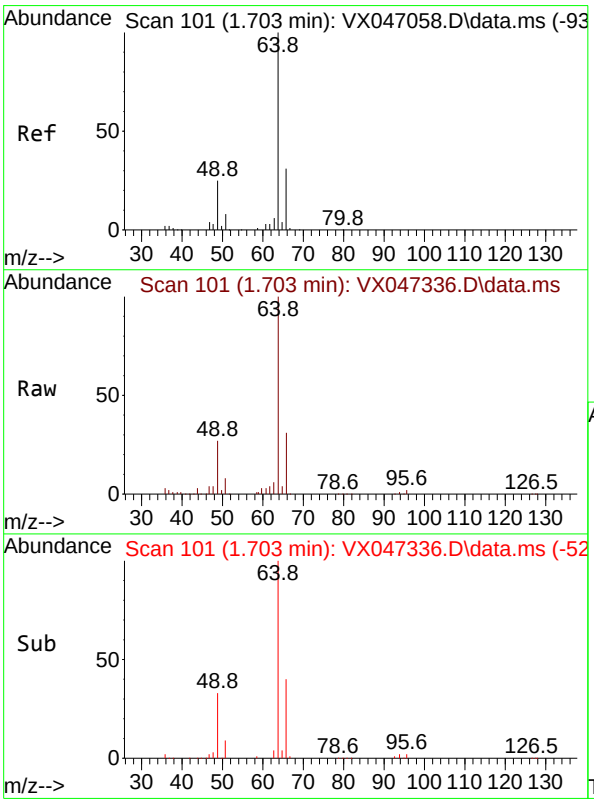
Ion	Ratio	Lower	Upper
94	100		
96	93.4	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

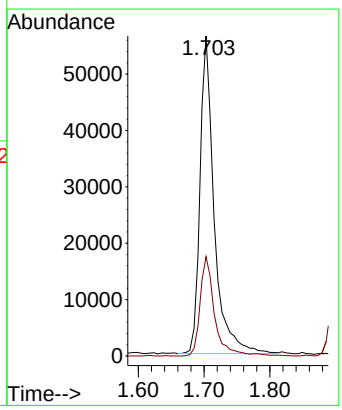
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

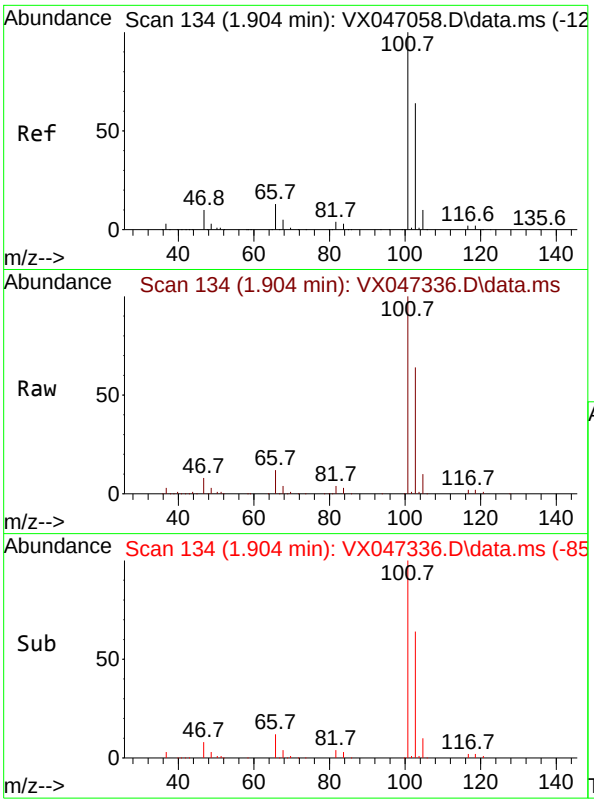


#6
Chloroethane
Concen: 42.002 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 64 Resp: 84231

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.0	37.6





#7
Trichlorofluoromethane
Concen: 47.564 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

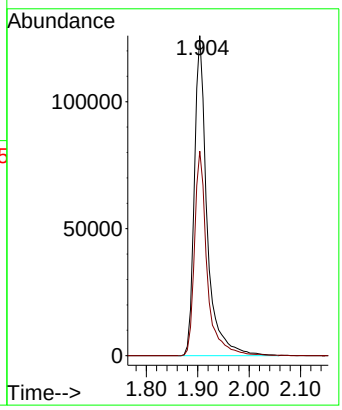
Tgt Ion:101 Resp: 21655

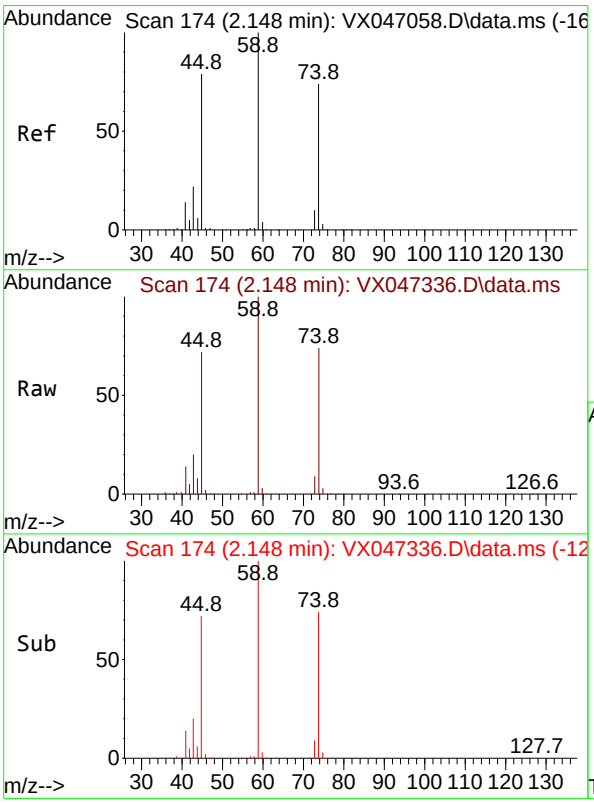
Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.9	76.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

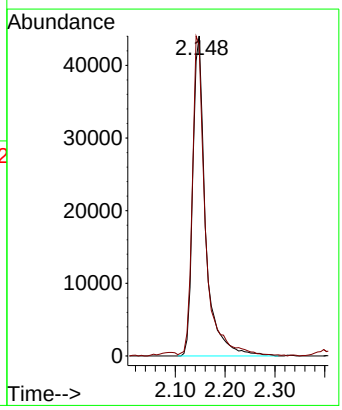


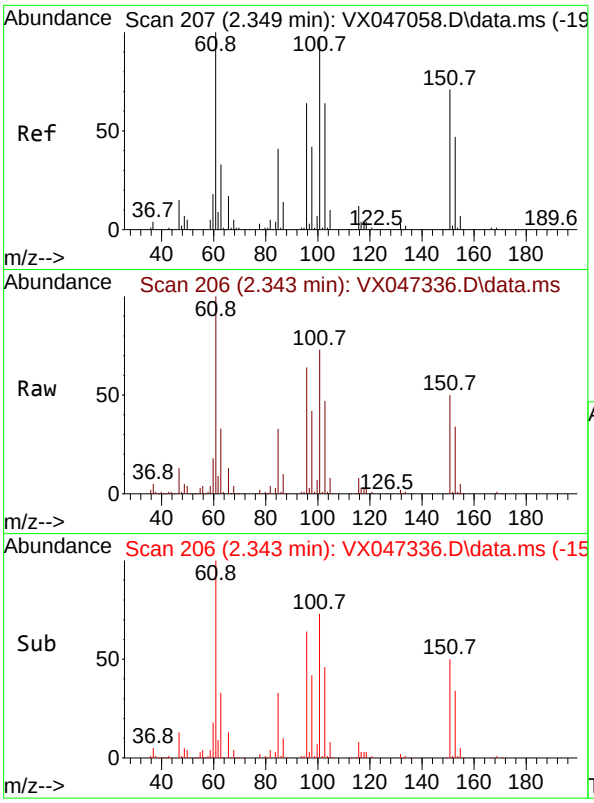


#8
Diethyl Ether
Concen: 48.875 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 74 Resp: 78459

Ion	Ratio	Lower	Upper
74	100		
45	102.8	53.0	159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.758 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

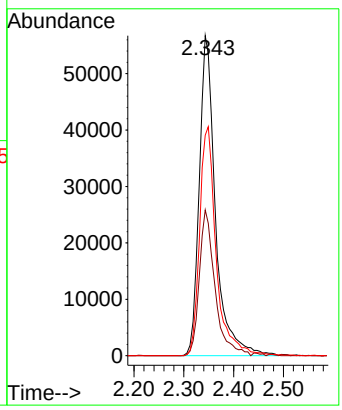
Tgt Ion:101 Resp: 12825

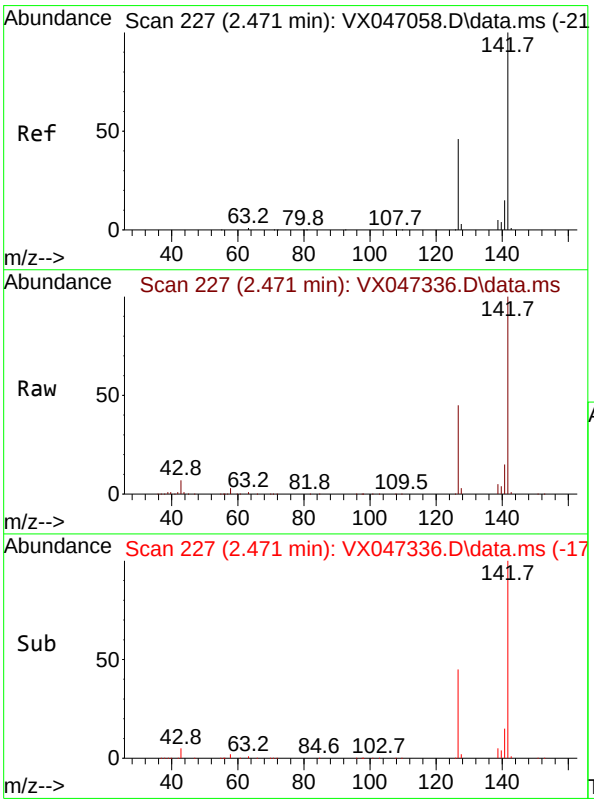
Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.4	53.0
151	73.6	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

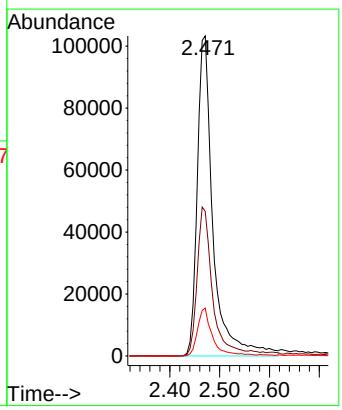


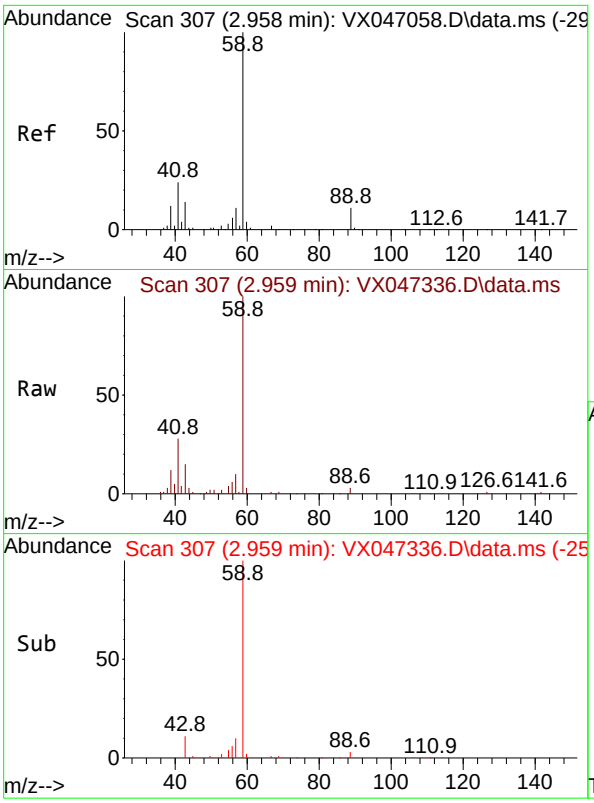


#10
Methyl Iodide
Concen: 81.283 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:142 Resp: 227234

Ion	Ratio	Lower	Upper
142	100		
127	44.8	36.6	54.8
141	14.1	10.9	16.3

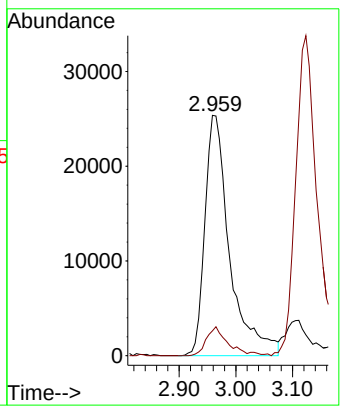




#11
Tert butyl alcohol
Concen: 245.210 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 59 Resp: 7725

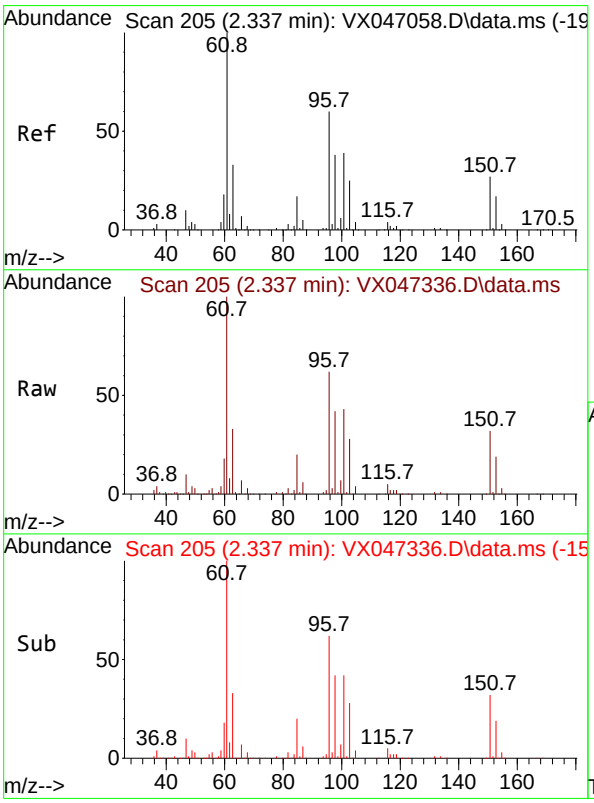
Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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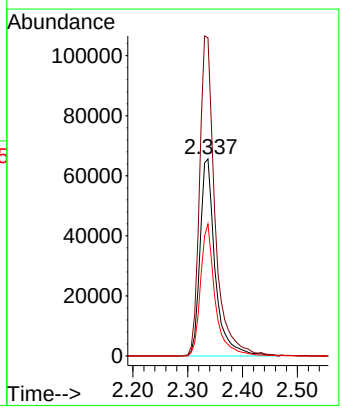
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

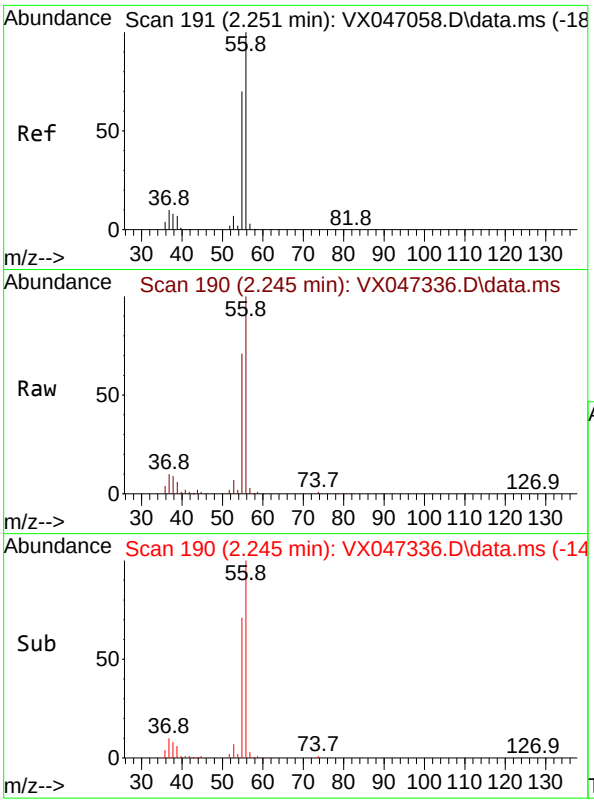


#12
1,1-Dichloroethene
Concen: 46.516 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 96 Resp: 126375

Ion	Ratio	Lower	Upper
96	100		
61	161.3	132.6	198.8
98	67.0	50.2	75.4

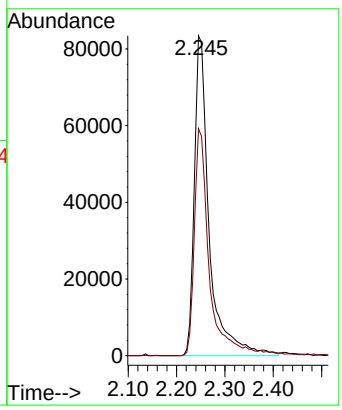




#13
Acrolein
Concen: 306.256 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 56 Resp: 17758

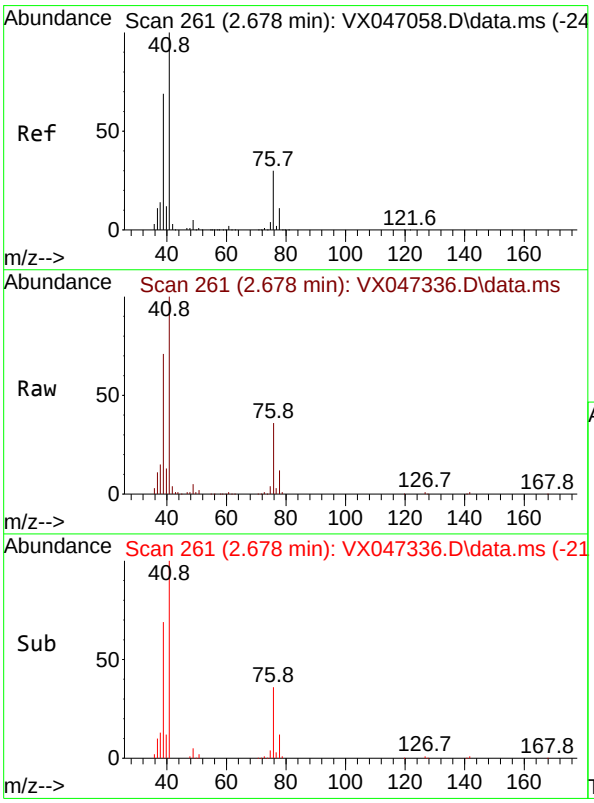
Ion	Ratio	Lower	Upper
56	100		
55	72.1	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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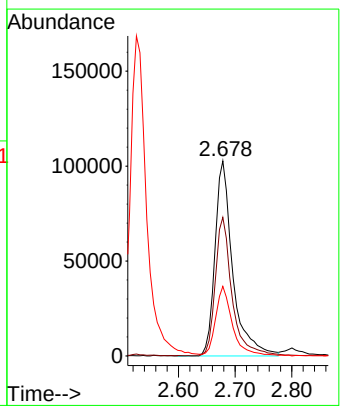
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

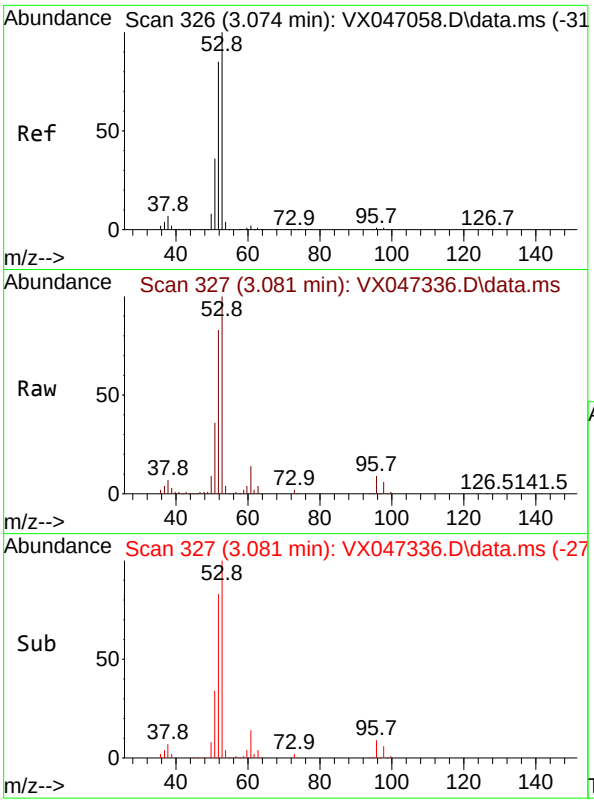


#14
Allyl chloride
Concen: 45.641 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 41 Resp: 224146

Ion	Ratio	Lower	Upper
41	100		
39	67.5	52.6	78.8
76	33.9	25.7	38.5

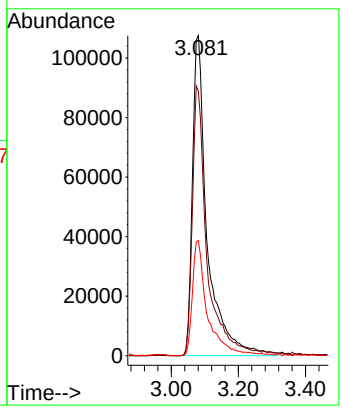




#15
Acrylonitrile
Concen: 258.666 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 53 Resp: 33222

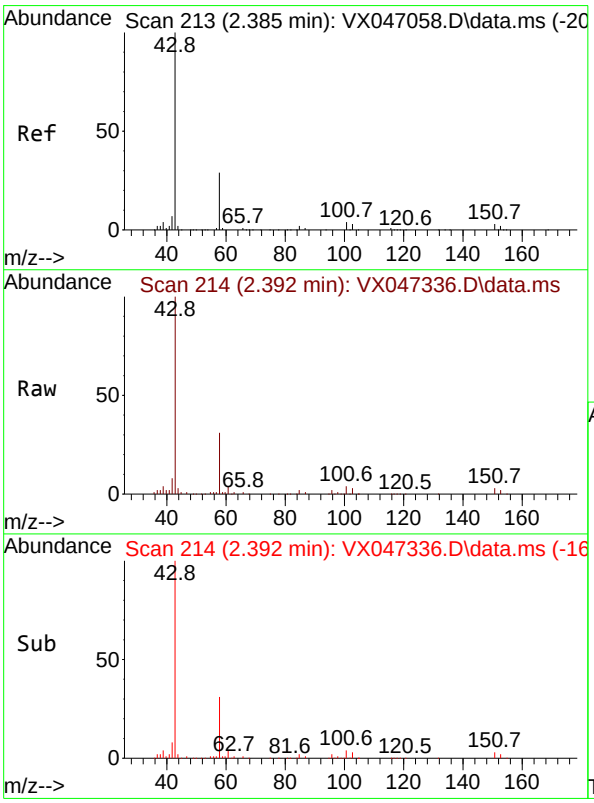
Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	36.6	28.8	43.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

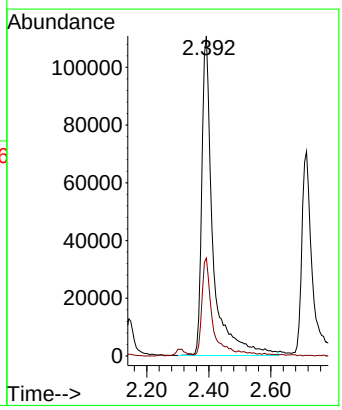
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

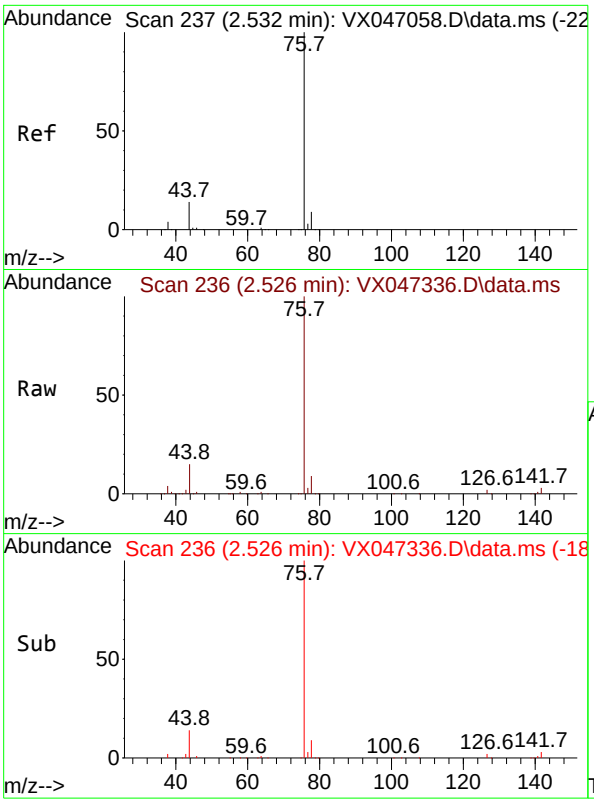


#16
Acetone
Concen: 257.435 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 43 Resp: 277725

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.0	36.0





#17
Carbon Disulfide
Concen: 42.691 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

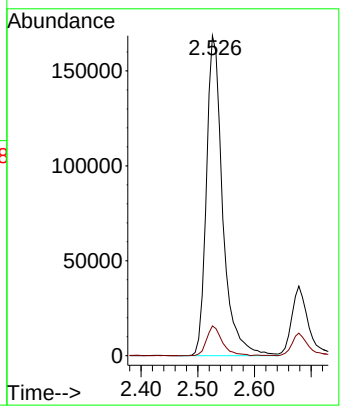
Tgt Ion: 76 Resp: 33553

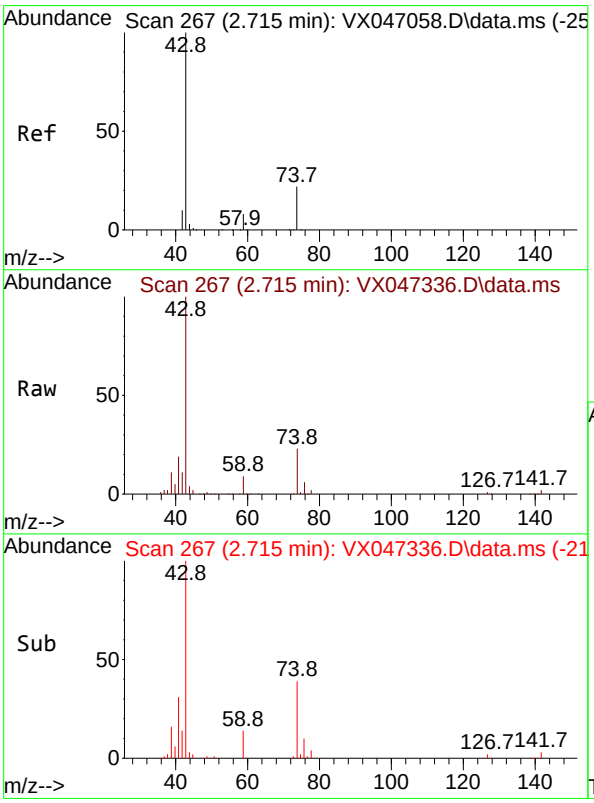
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

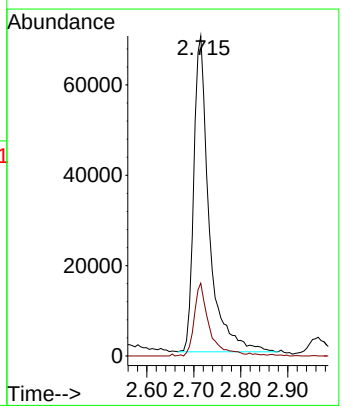


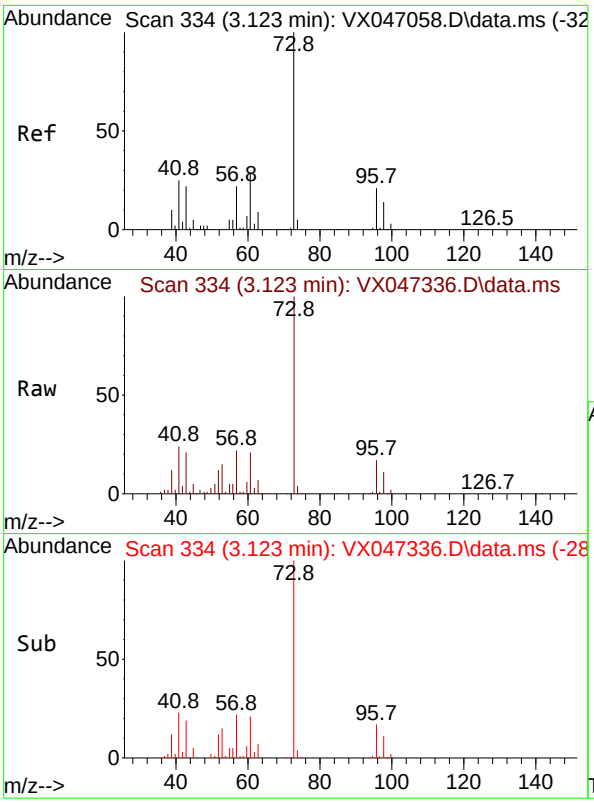


#18
Methyl Acetate
Concen: 55.705 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 43 Resp: 159702

Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.7	26.5

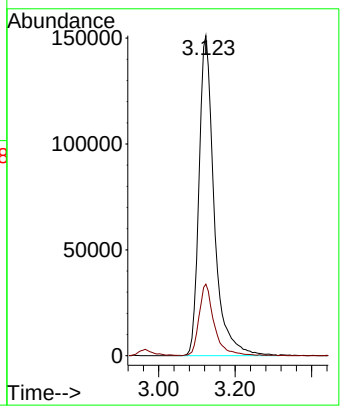




#19
Methyl tert-butyl Ether
Concen: 50.341 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 73 Resp: 41623

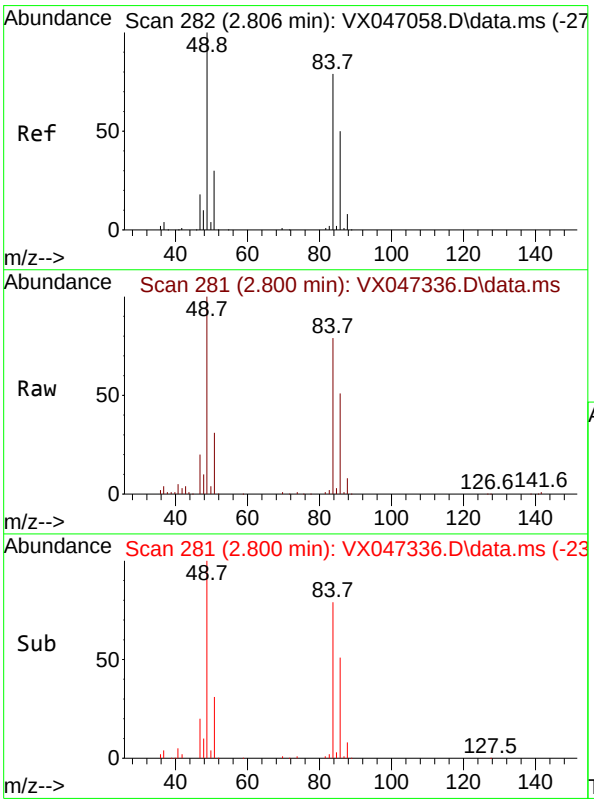
Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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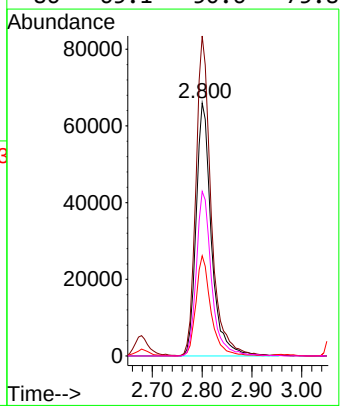
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

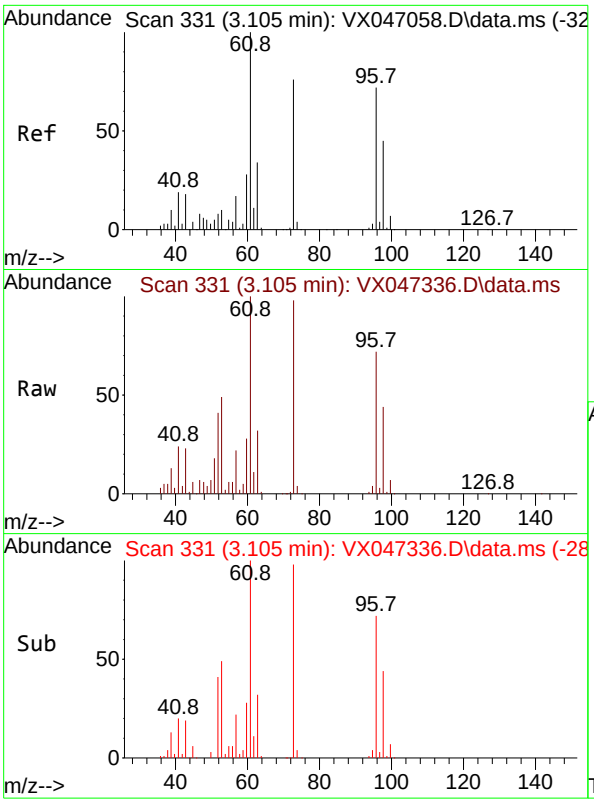


#20
Methylene Chloride
Concen: 47.180 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 84 Resp: 140028

Ion	Ratio	Lower	Upper
84	100		
49	126.4	101.6	152.4
51	39.5	30.3	45.5
86	65.1	50.6	75.8

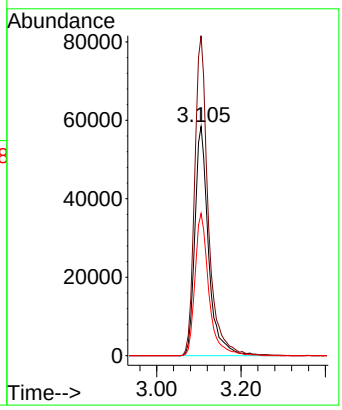




#21
trans-1,2-Dichloroethene
Concen: 47.400 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 96 Resp: 13177

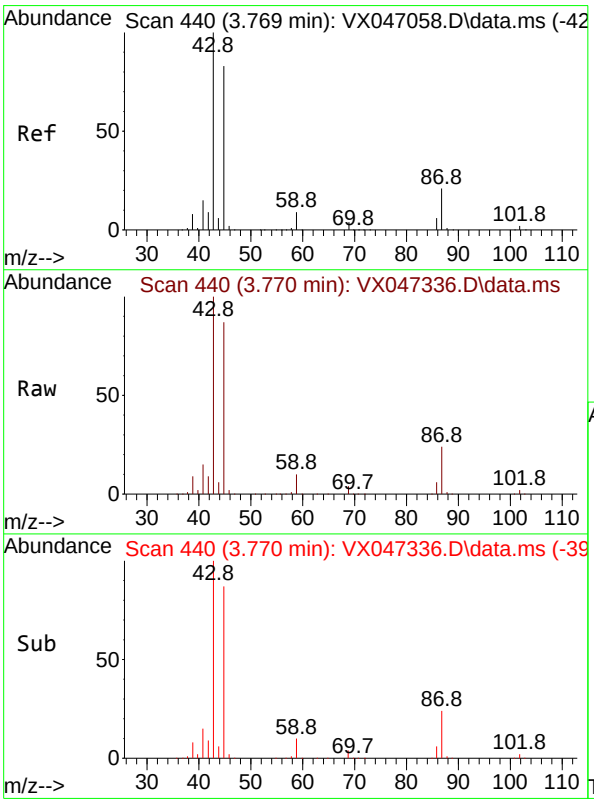
Ion	Ratio	Lower	Upper
96	100		
61	139.6	111.1	166.7
98	62.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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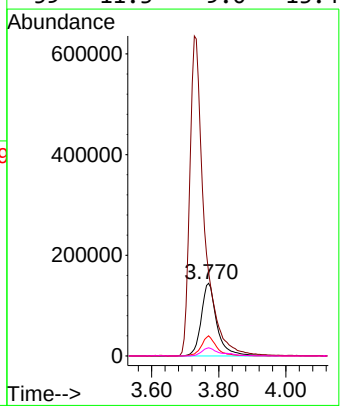
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

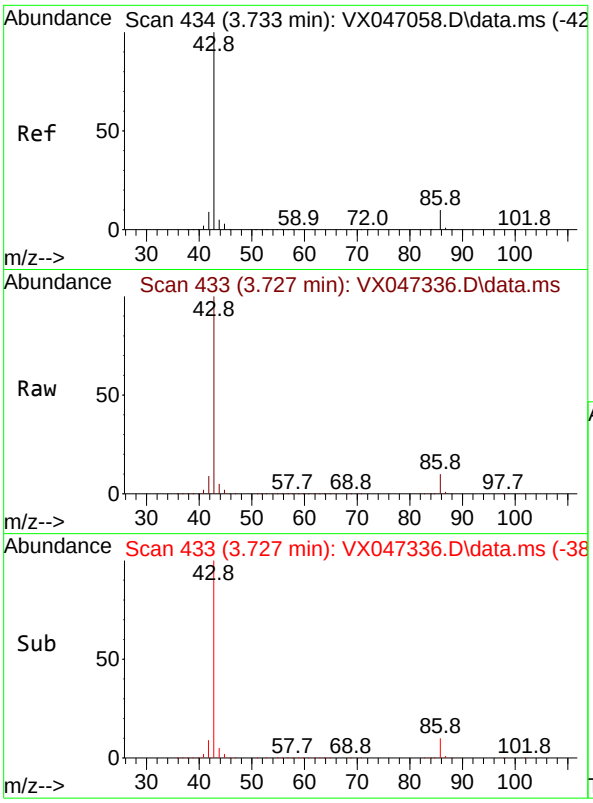


#22
Diisopropyl ether
Concen: 49.485 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 45 Resp: 467231

Ion	Ratio	Lower	Upper
45	100		
43	115.1	96.8	145.2
87	27.7	20.5	30.7
59	11.3	9.0	13.4





#23
Vinyl Acetate
Concen: 254.488 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

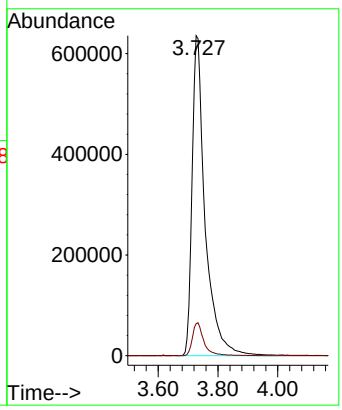
Tgt Ion: 43 Resp: 192725

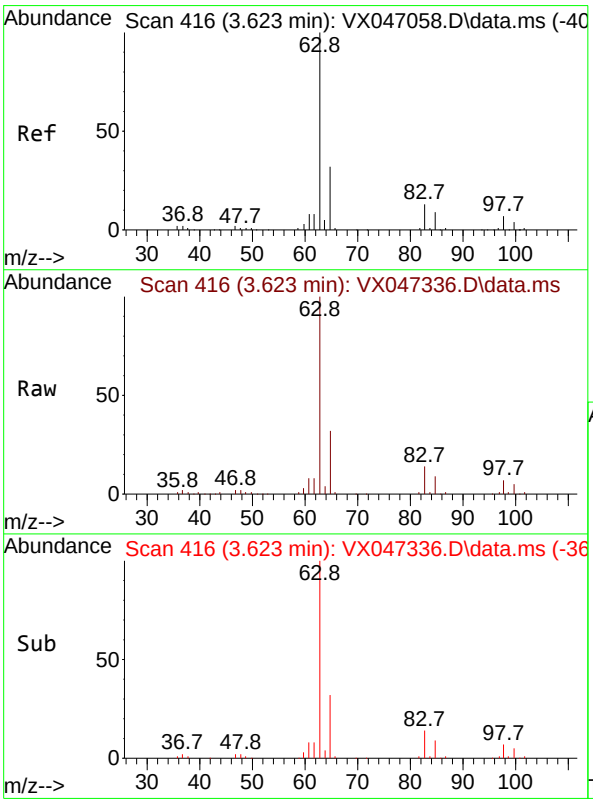
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

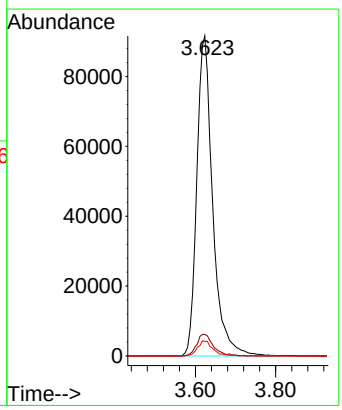


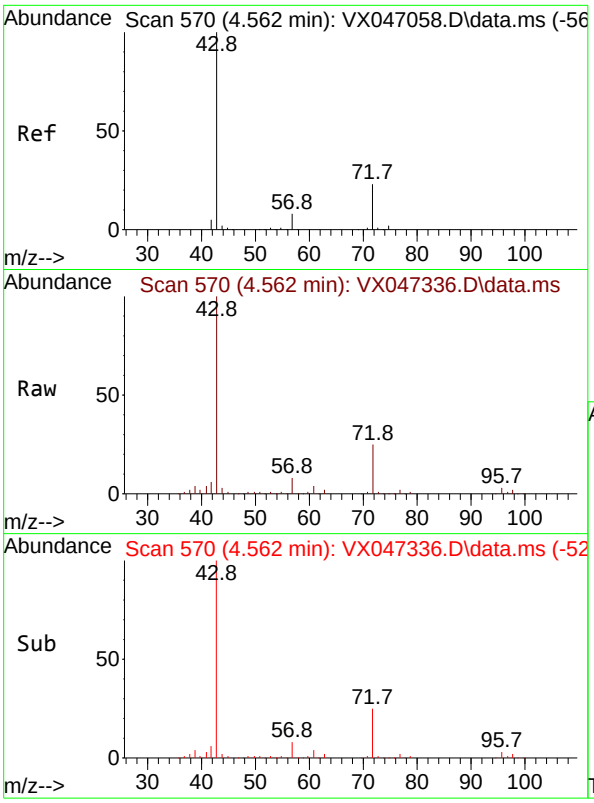


#24
1,1-Dichloroethane
Concen: 47.881 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 63 Resp: 251395

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.6	2.3	6.8

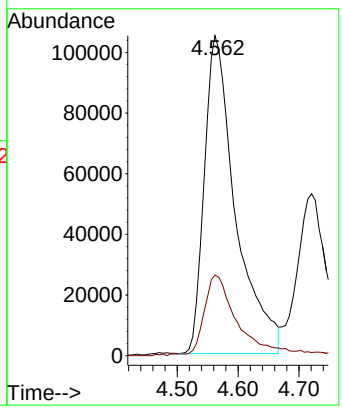




#25
2-Butanone
Concen: 237.685 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 43 Resp: 37336

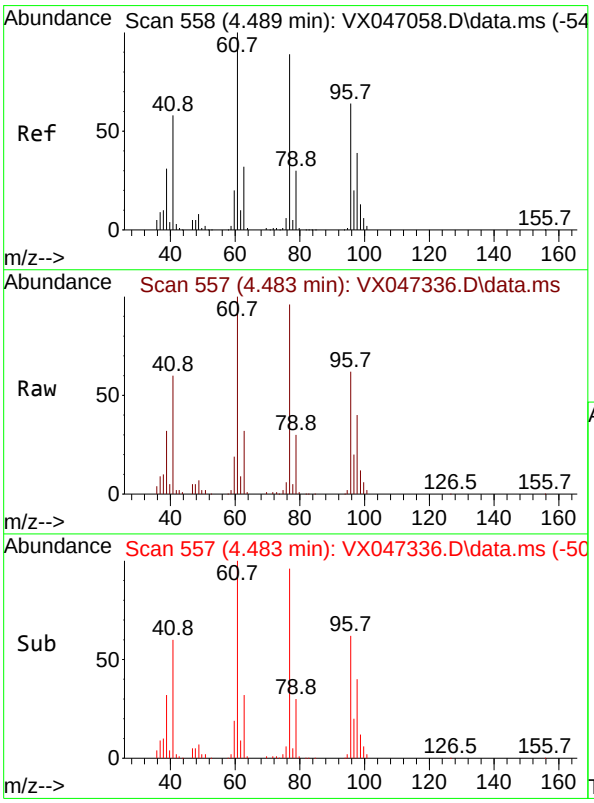
Ion	Ratio	Lower	Upper
43	100		
72	24.5	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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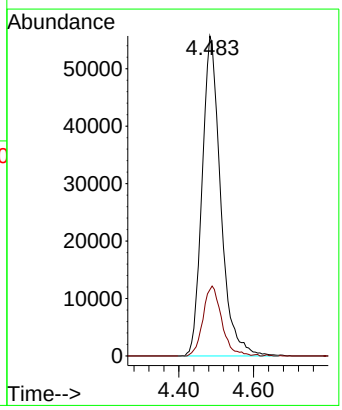
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

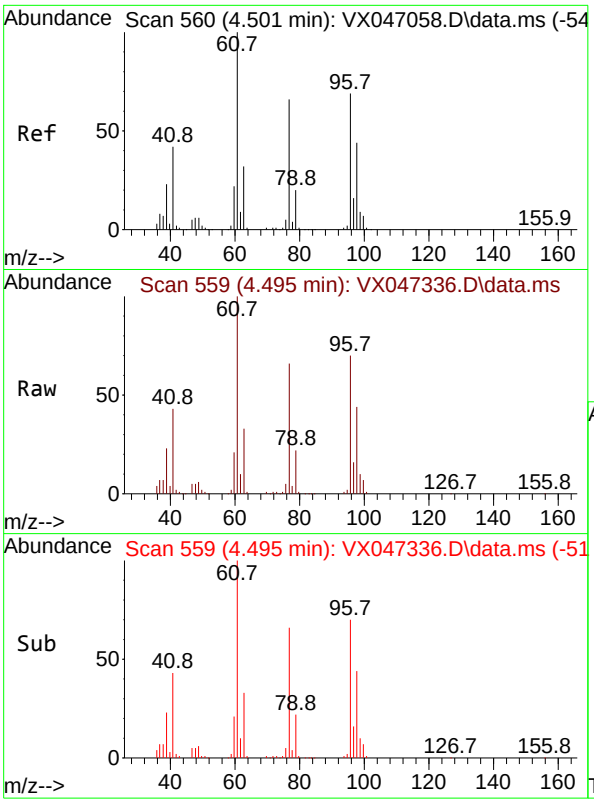


#26
2,2-Dichloropropane
Concen: 47.252 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 77 Resp: 192048

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.4	34.1

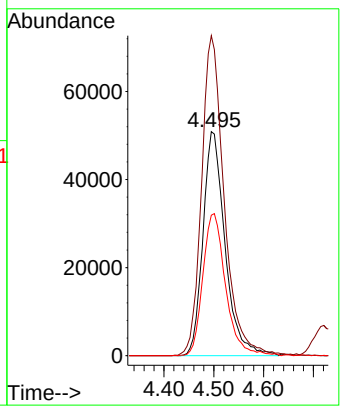




#27
cis-1,2-Dichloroethene
Concen: 47.554 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 96 Resp: 15655

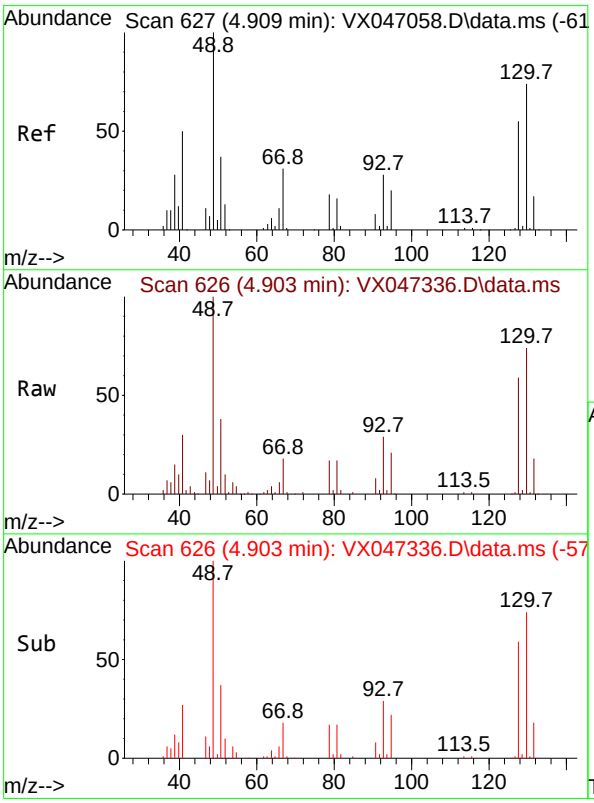
Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	298.6
98	65.5	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

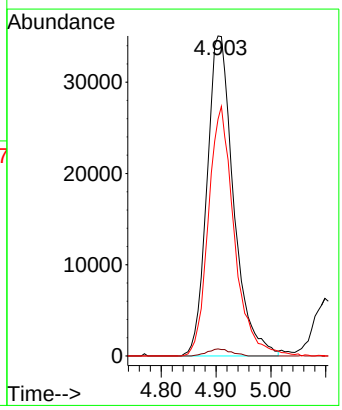
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

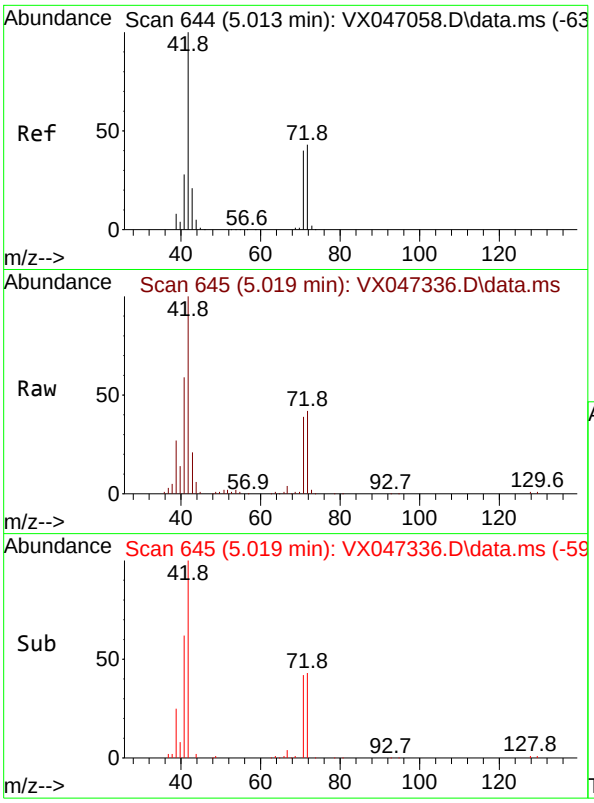


#28
Bromochloromethane
Concen: 48.841 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 49 Resp: 117976

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	76.0	59.0	88.4

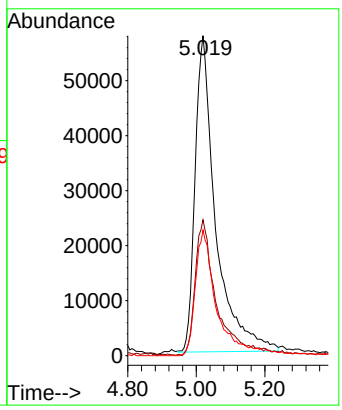




#29
Tetrahydrofuran
Concen: 236.966 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 42 Resp: 24017

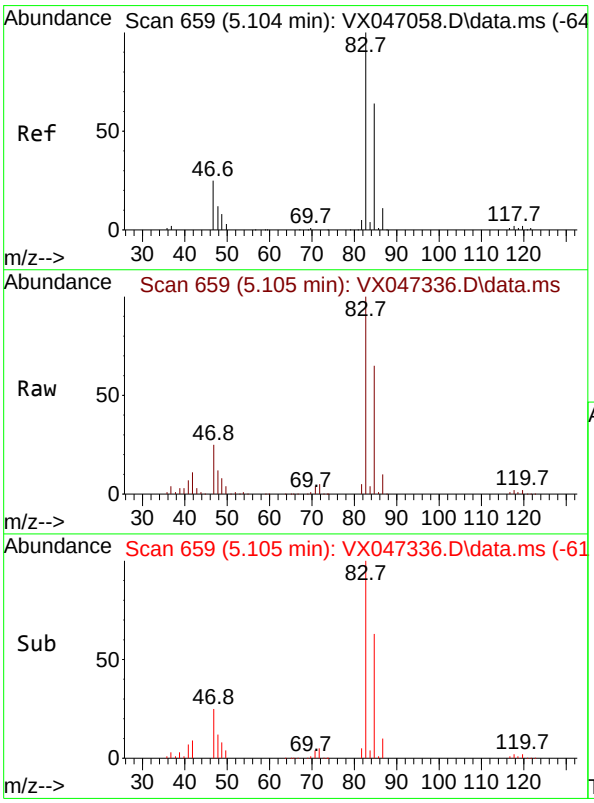
Ion	Ratio	Lower	Upper
42	100		
72	45.6	33.7	50.5
71	41.5	31.0	46.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

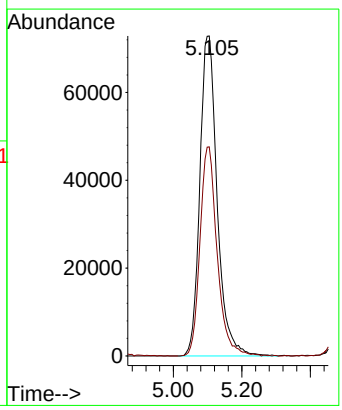
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

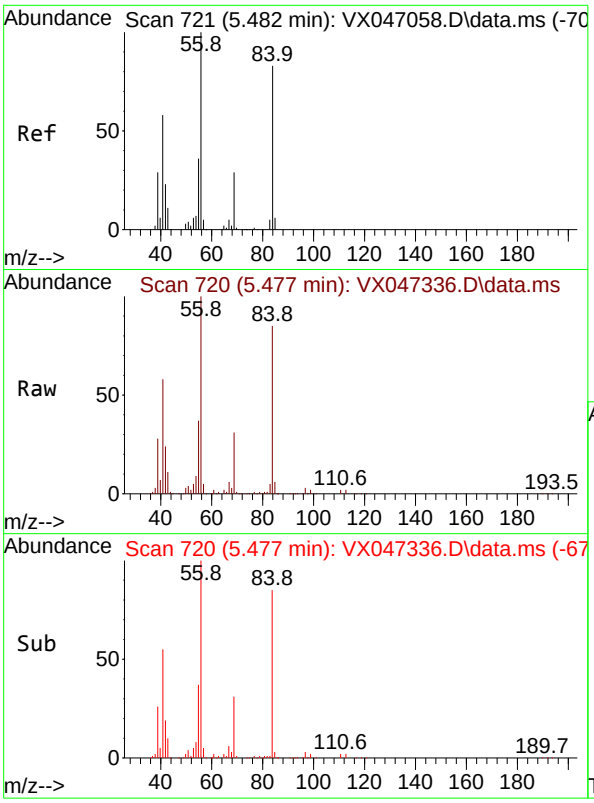


#30
Chloroform
Concen: 48.012 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 83 Resp: 256605

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.9	76.3

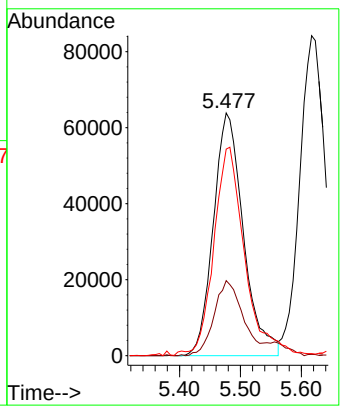




#31
Cyclohexane
Concen: 43.426 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 56 Resp: 21862

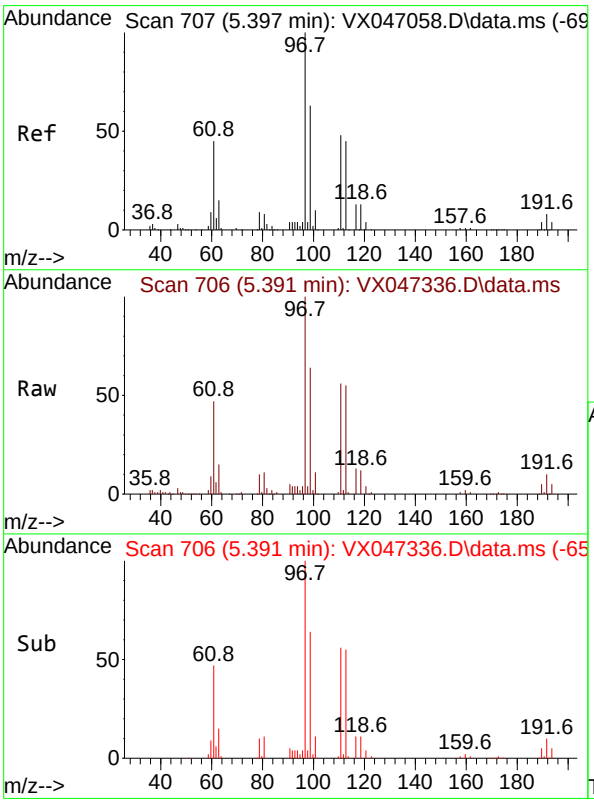
Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.3	34.9
84	83.6	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

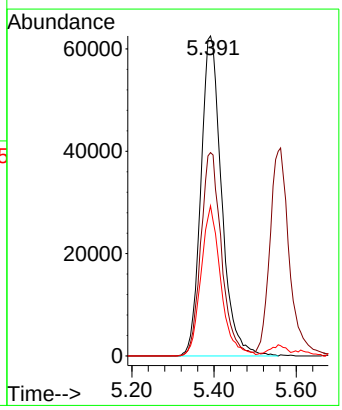
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

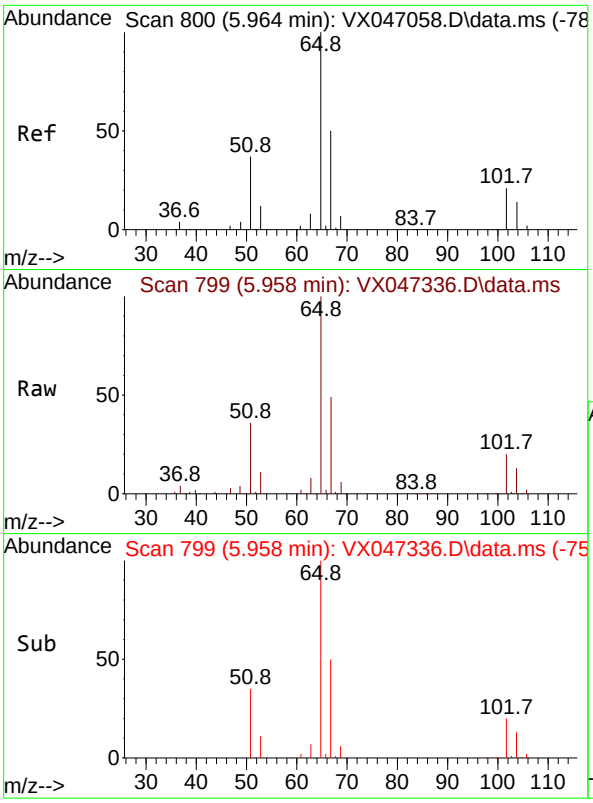


#32
1,1,1-Trichloroethane
Concen: 47.085 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 97 Resp: 218576

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.2	76.8
61	44.9	37.1	55.7

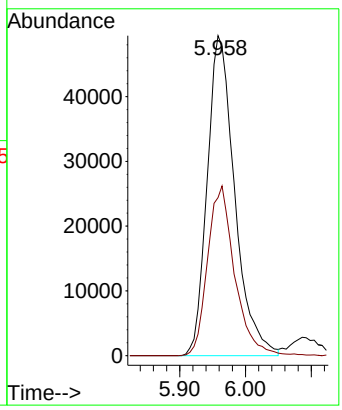




#33
1,2-Dichloroethane-d4
Concen: 53.400 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 65 Resp: 14380

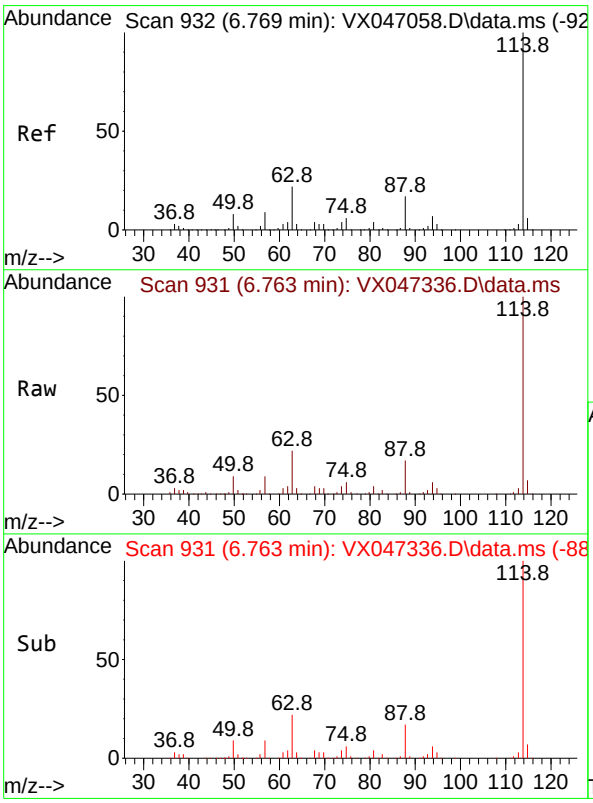
Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

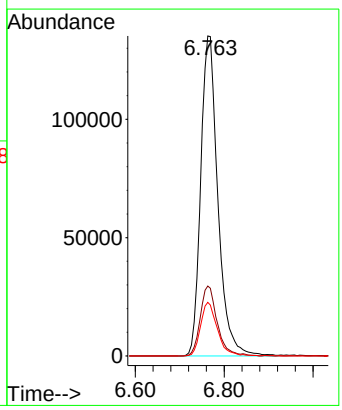
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

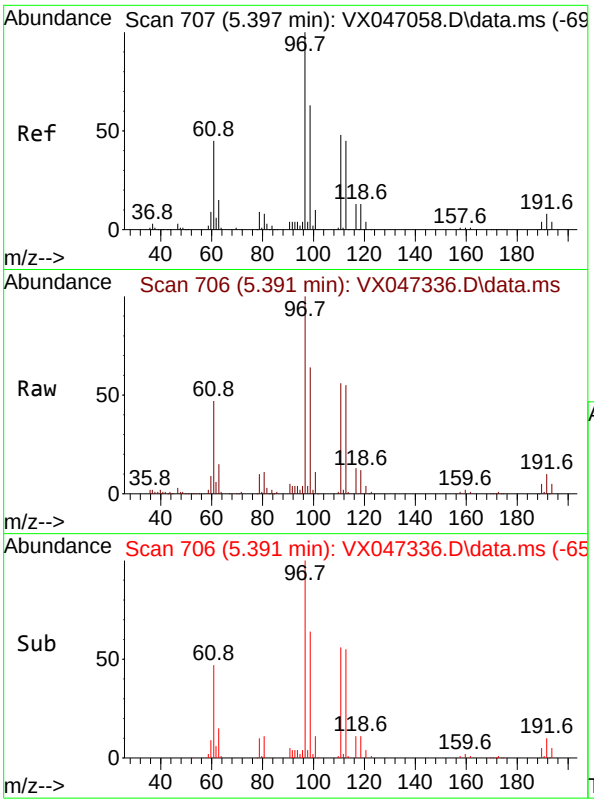


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:114 Resp: 364381

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	16.8	0.0	33.8

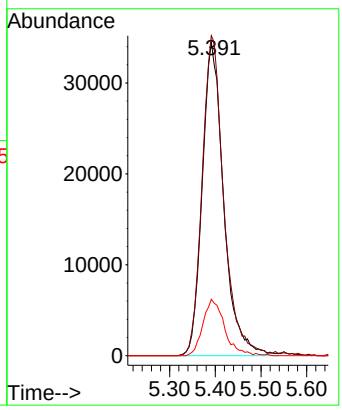




#35
Dibromofluoromethane
Concen: 49.953 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:113 Resp: 11238

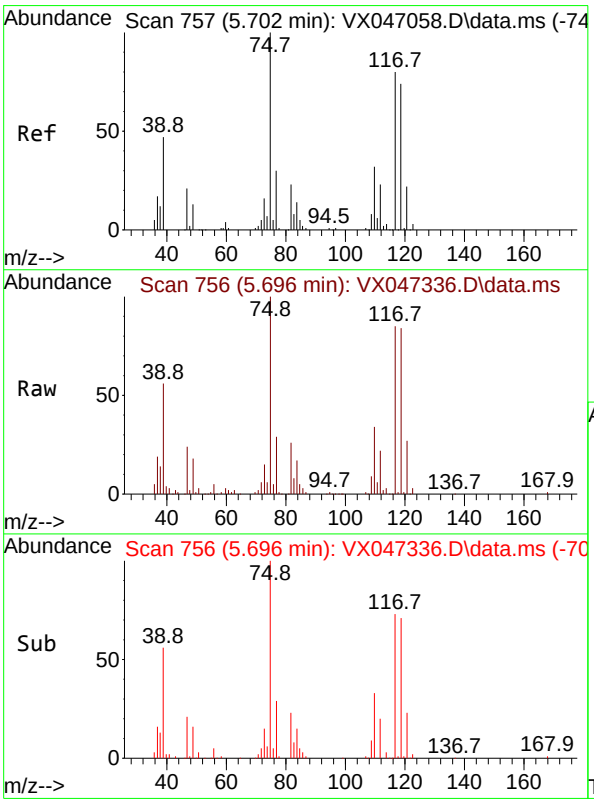
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	18.3	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

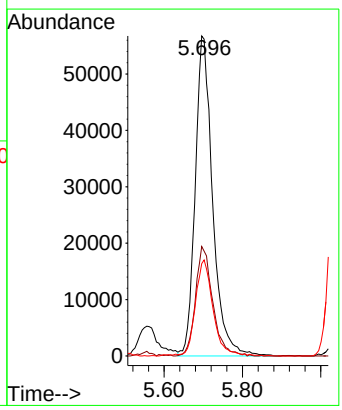
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

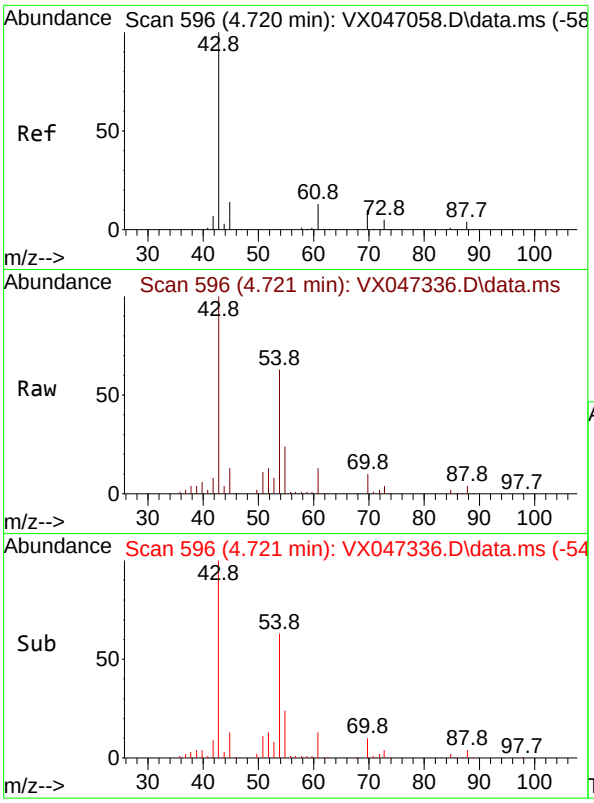


#36
1,1-Dichloropropene
Concen: 45.816 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 75 Resp: 175706

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.2	51.5
77	30.3	25.1	37.7

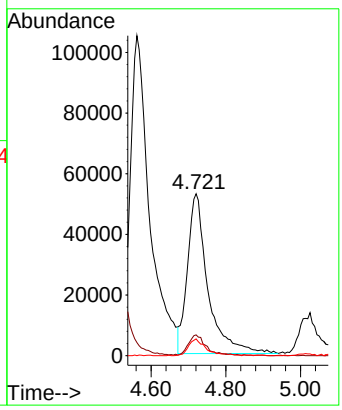




#37
Ethyl Acetate
Concen: 56.505 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 43 Resp: 19967

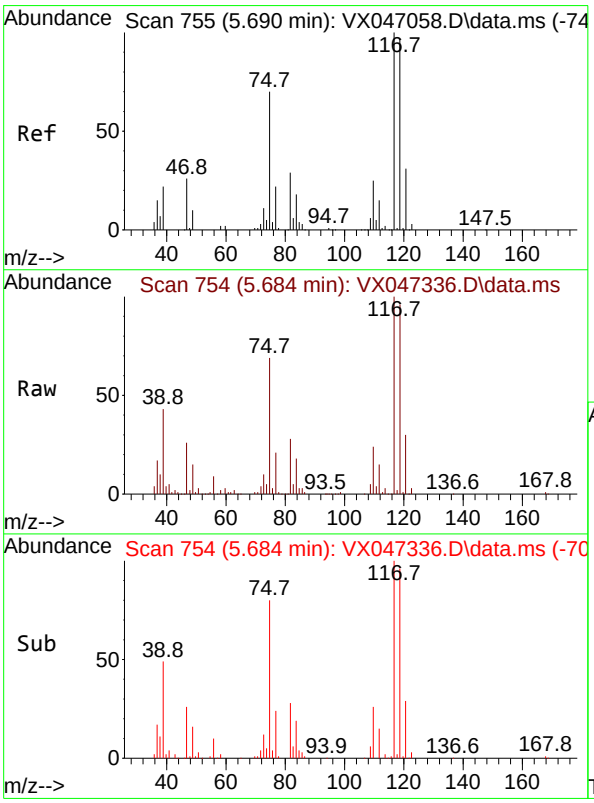
Ion	Ratio	Lower	Upper
43	100		
61	10.6	10.2	15.2
70	8.6	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

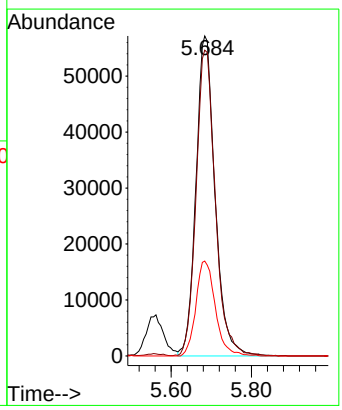
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

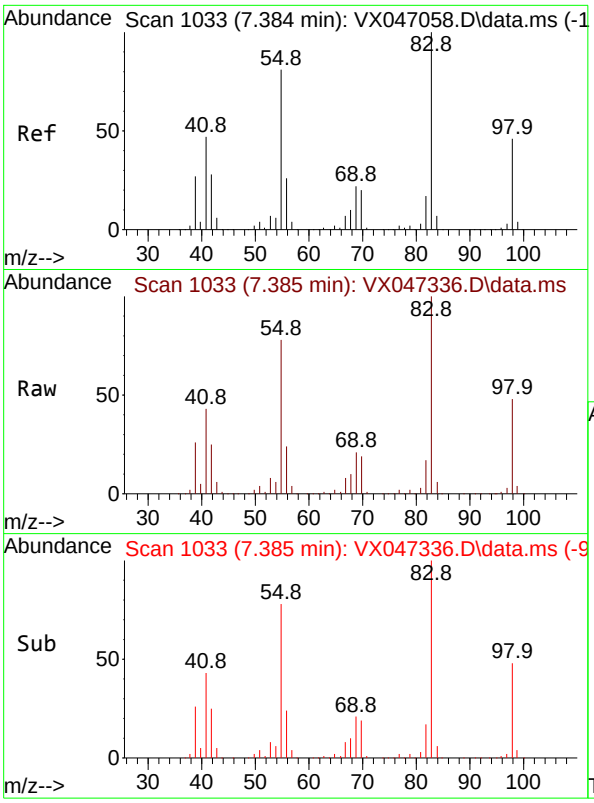


#38
Carbon Tetrachloride
Concen: 46.198 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:117 Resp: 189096

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.6	115.0
121	29.7	24.4	36.6

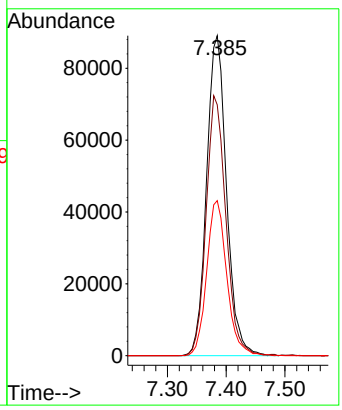




#39
Methylcyclohexane
Concen: 43.780 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 83 Resp: 20962

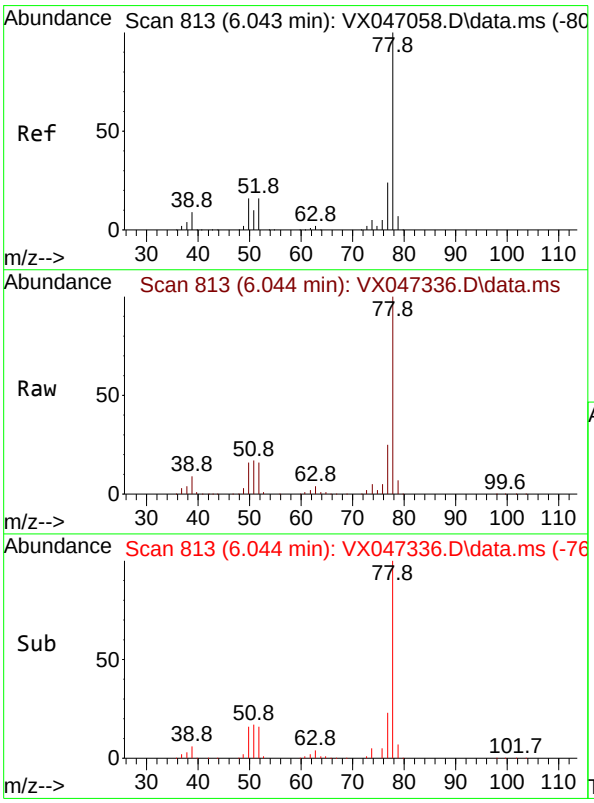
Ion	Ratio	Lower	Upper
83	100		
55	78.4	64.5	96.7
98	48.5	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

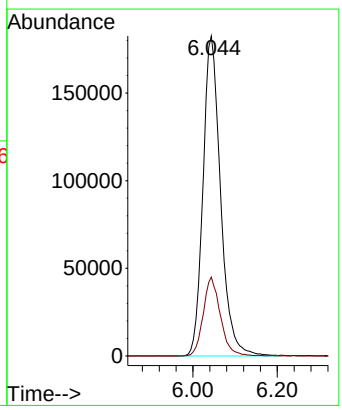
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

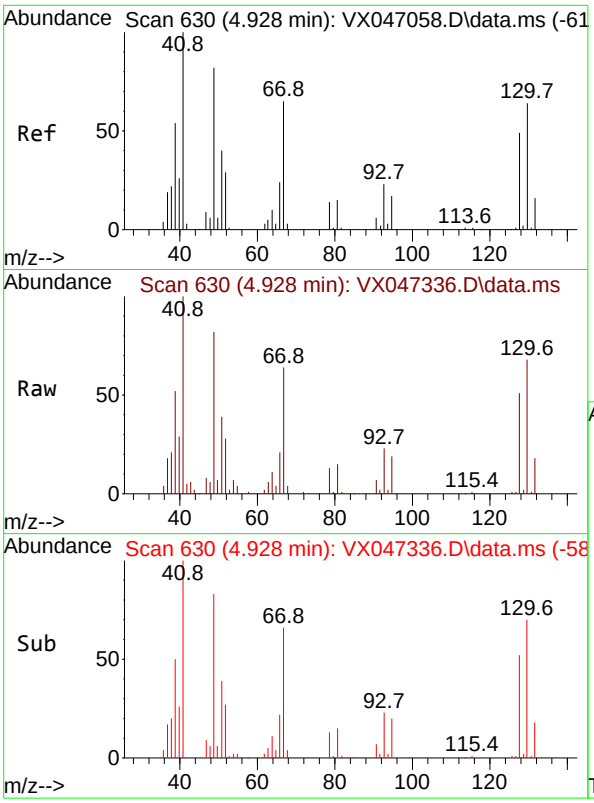


#40
Benzene
Concen: 47.737 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 78 Resp: 529812

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.4

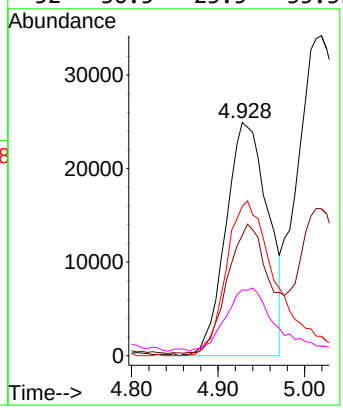




#41
Methacrylonitrile
Concen: 45.467 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 41 Resp: 8400

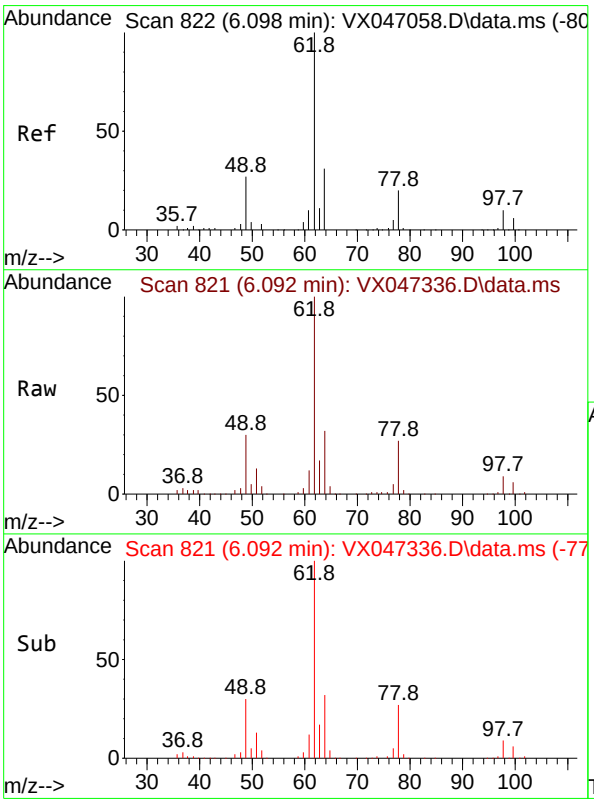
Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.2	66.2
67	83.2	56.4	84.6
52	36.5	23.5	35.3#



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

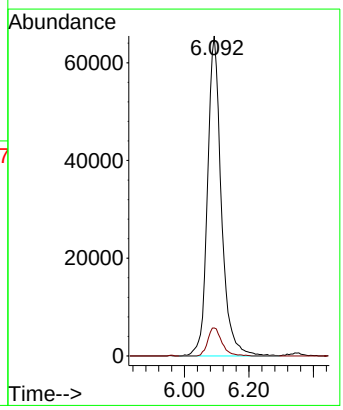
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

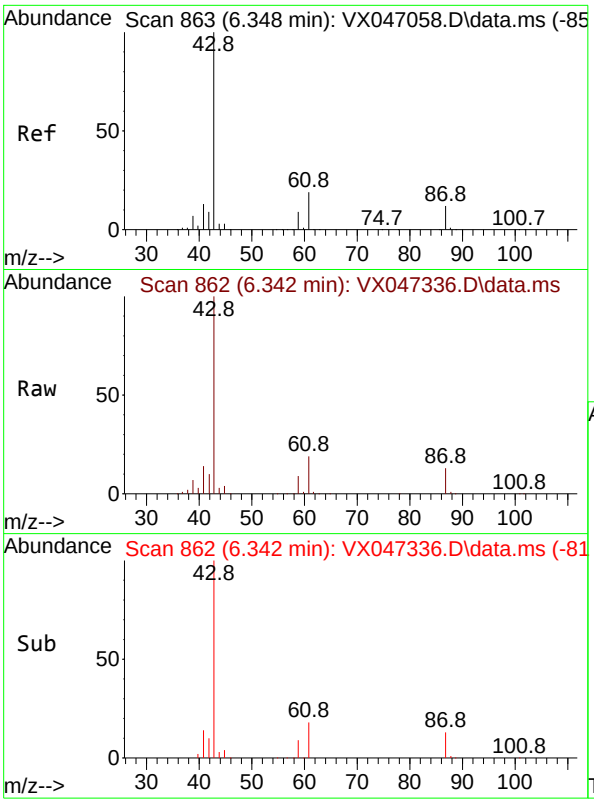


#42
1,2-Dichloroethane
Concen: 49.914 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 62 Resp: 195142

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.8

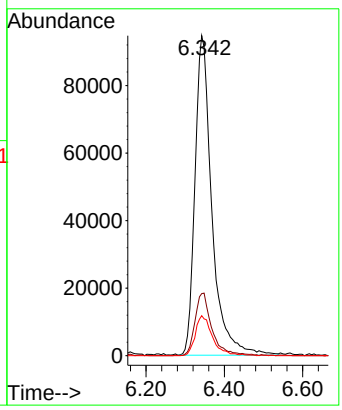




#43
Isopropyl Acetate
Concen: 51.604 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 43 Resp: 28429

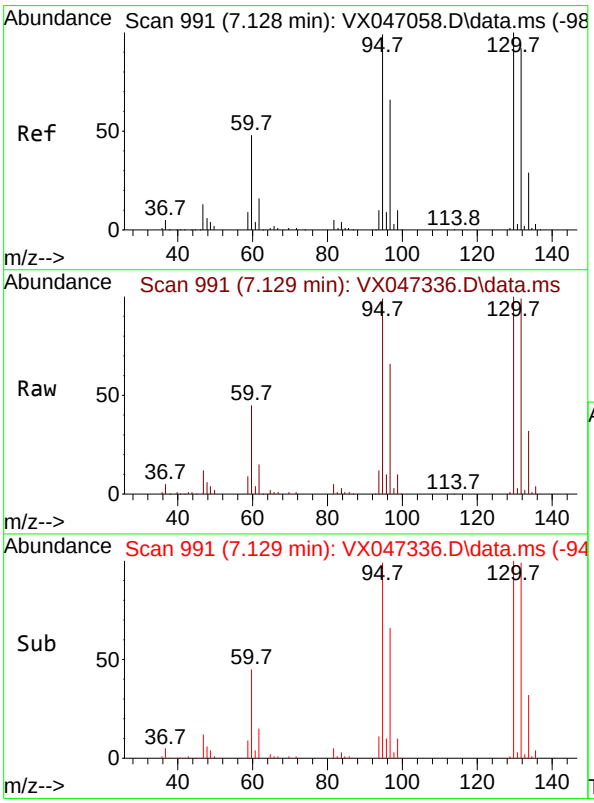
Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.1	22.7
87	12.8	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

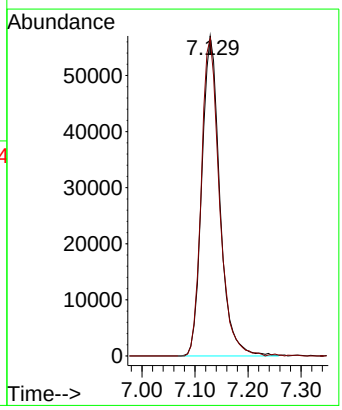
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

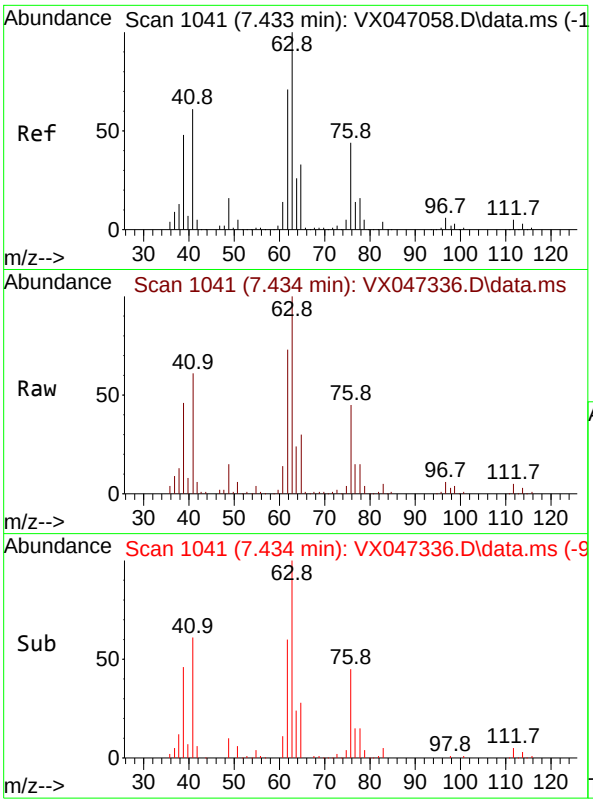


#44
Trichloroethene
Concen: 47.259 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:130 Resp: 134500

Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	198.6

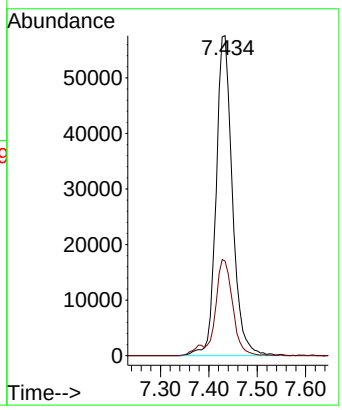




#45
1,2-Dichloropropane
Concen: 48.459 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 63 Resp: 13470

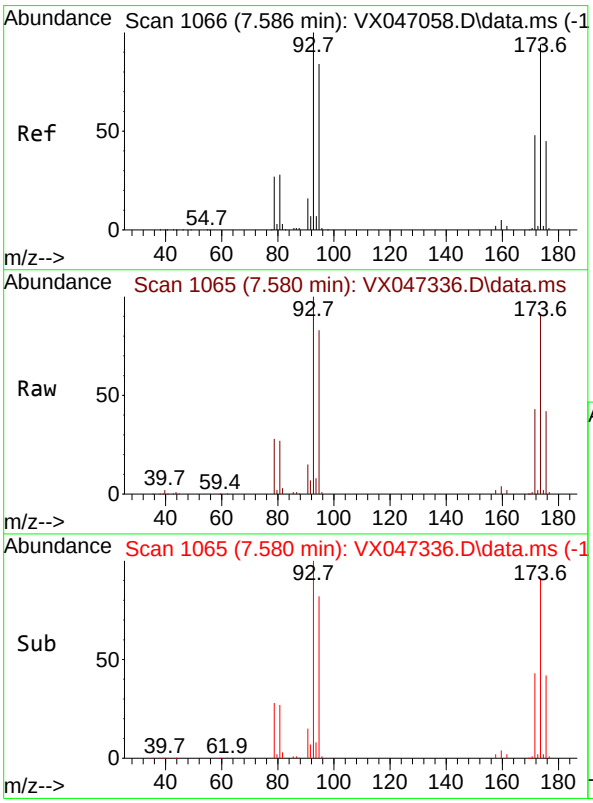
Ion	Ratio	Lower	Upper
63	100		
65	29.5	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

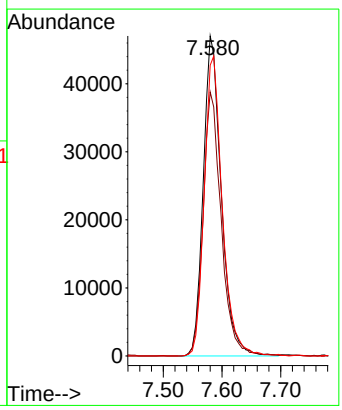
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

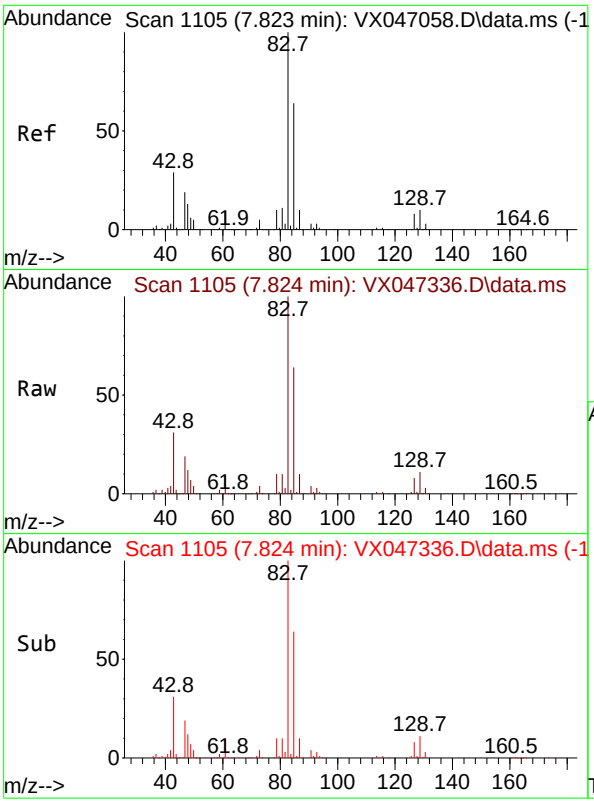


#46
Dibromomethane
Concen: 51.354 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 93 Resp: 100103

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.9	98.9
174	94.2	74.6	112.0

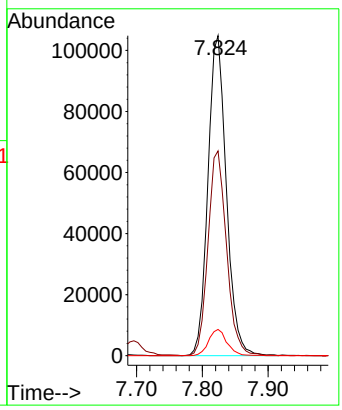




#47
Bromodichloromethane
Concen: 49.252 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 83 Resp: 20434

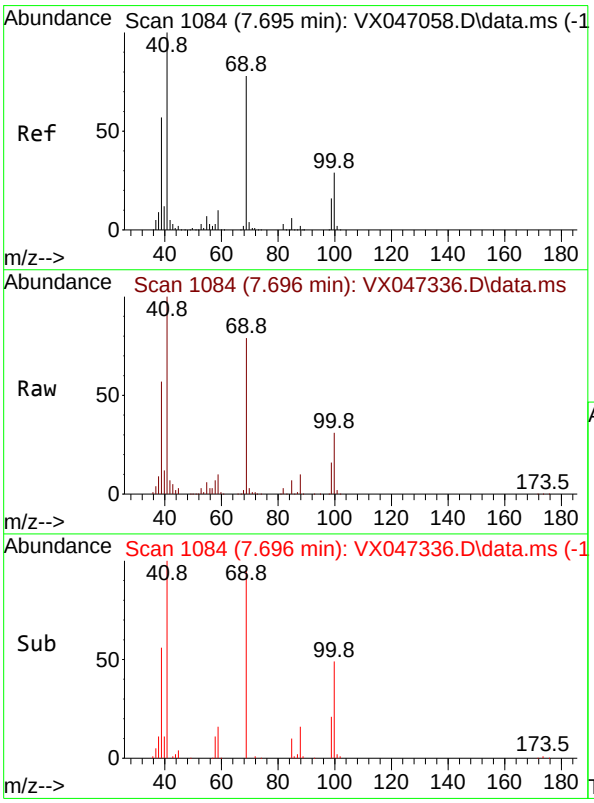
Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.9	74.9
127	8.2	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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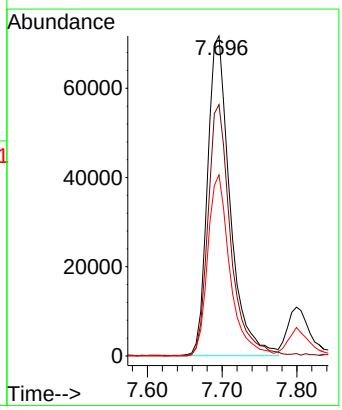
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

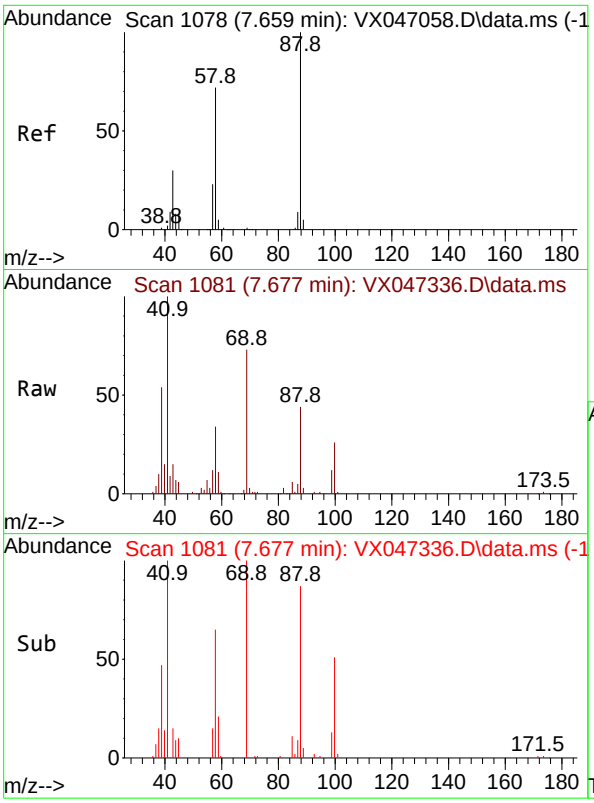


#48
Methyl methacrylate
Concen: 50.008 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 41 Resp: 150081

Ion	Ratio	Lower	Upper
41	100		
69	78.9	62.3	93.5
39	56.2	44.8	67.2





#49
1,4-Dioxane
Concen: 992.555 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

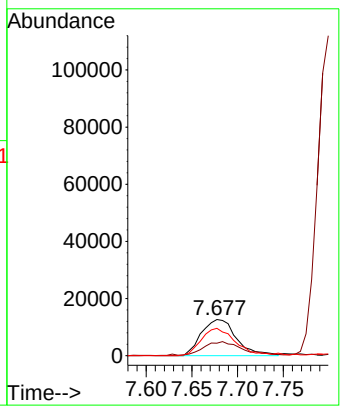
Tgt Ion: 88 Resp: 3388

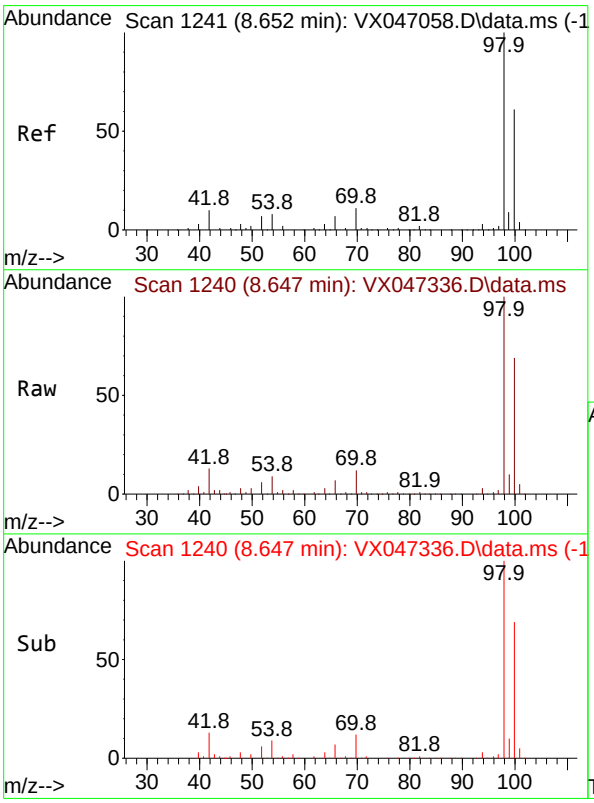
Ion	Ratio	Lower	Upper
88	100		
43	39.0	33.6	50.4
58	75.0	58.8	88.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

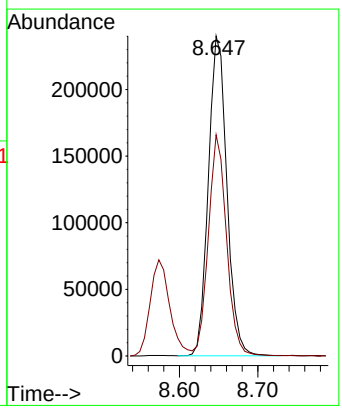


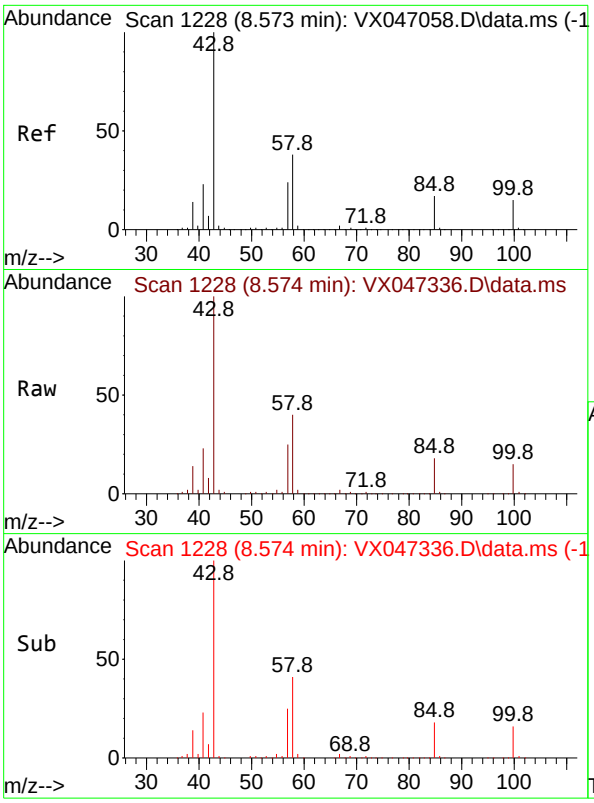


#50
Toluene-d8
Concen: 54.074 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 98 Resp: 393982

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.3	79.9

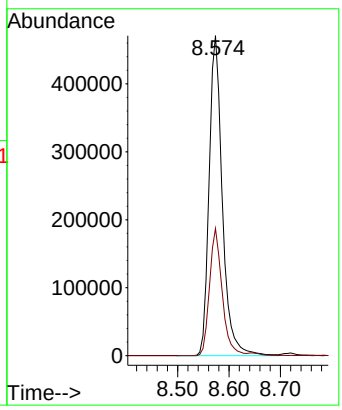




#51
4-Methyl-2-Pentanone
Concen: 256.357 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 43 Resp: 83944

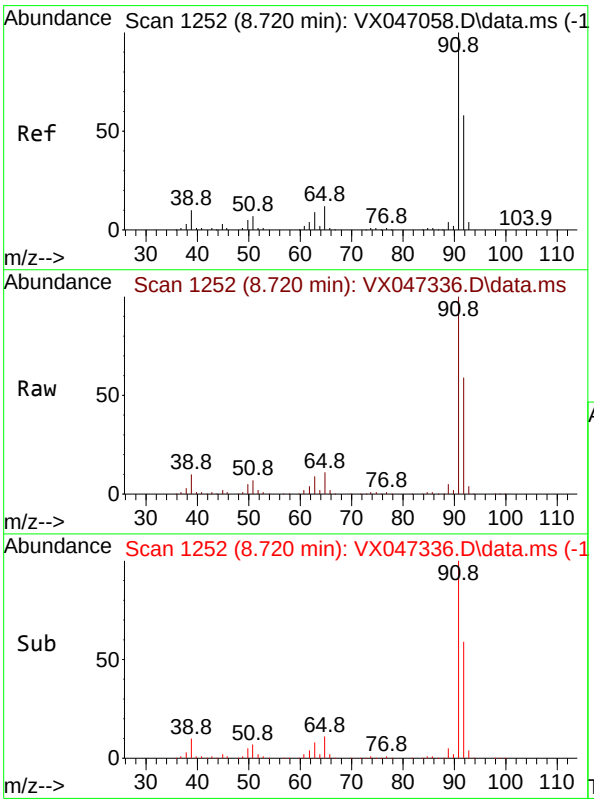
Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

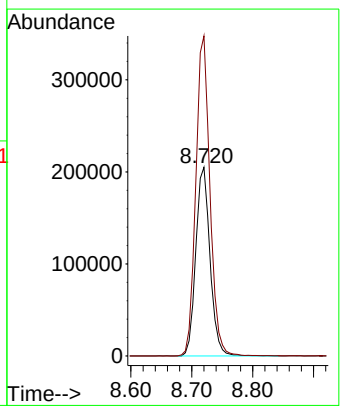
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

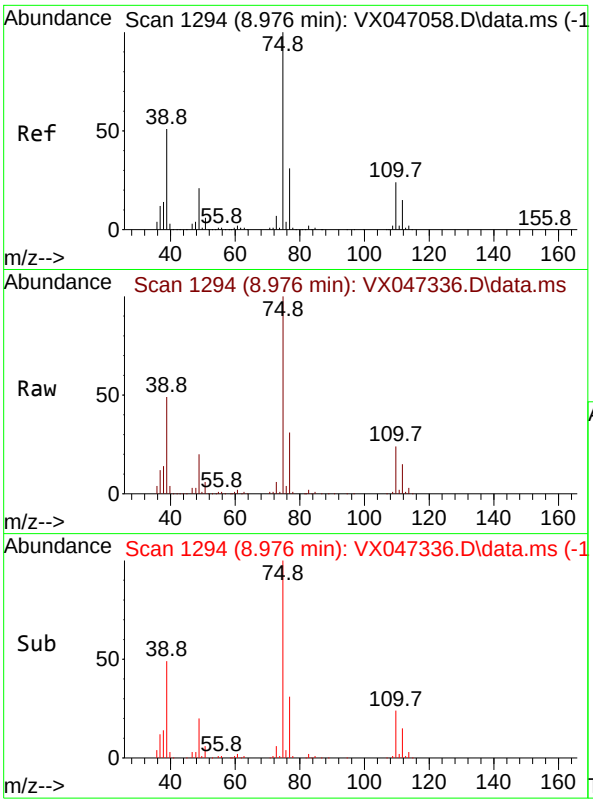


#52
Toluene
Concen: 48.798 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 92 Resp: 333006

Ion	Ratio	Lower	Upper
92	100		
91	168.2	137.9	206.9

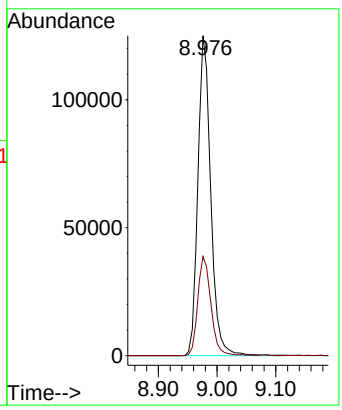




#53
t-1,3-Dichloropropene
Concen: 48.534 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 75 Resp: 19015

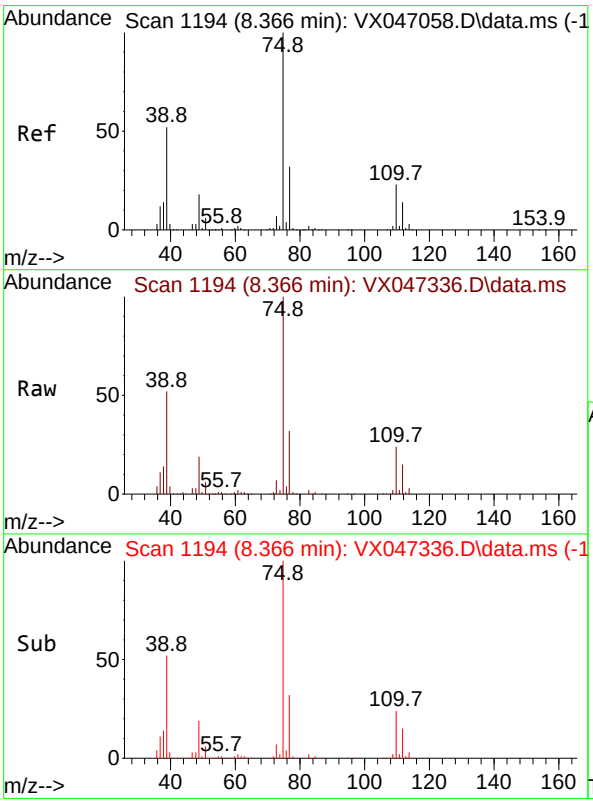
Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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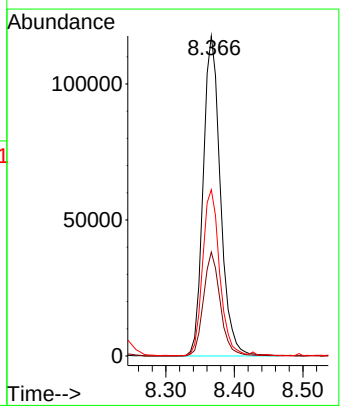
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

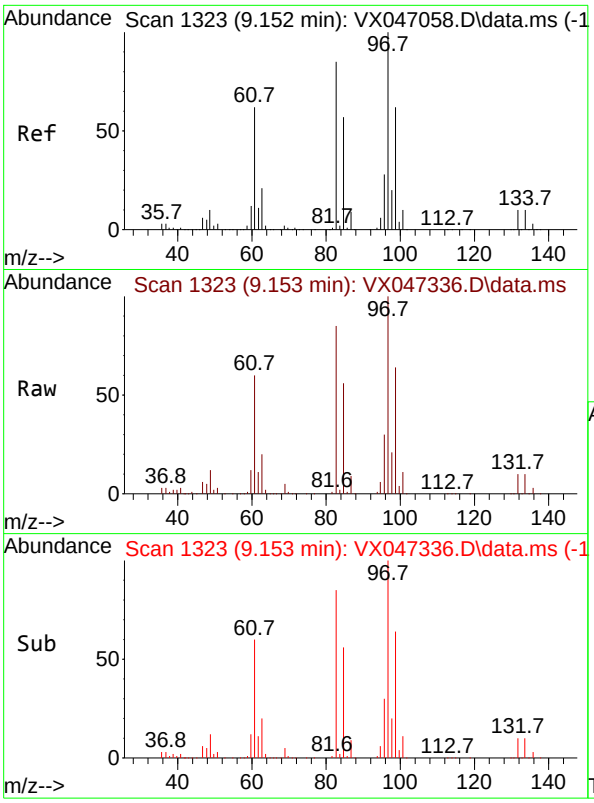


#54
cis-1,3-Dichloropropene
Concen: 48.060 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 75 Resp: 206091

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0
39	51.8	41.8	62.6

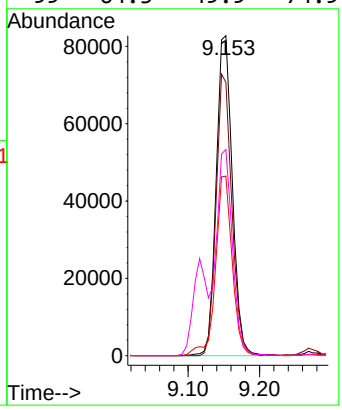




#55
1,1,2-Trichloroethane
Concen: 50.781 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 97 Resp: 12996

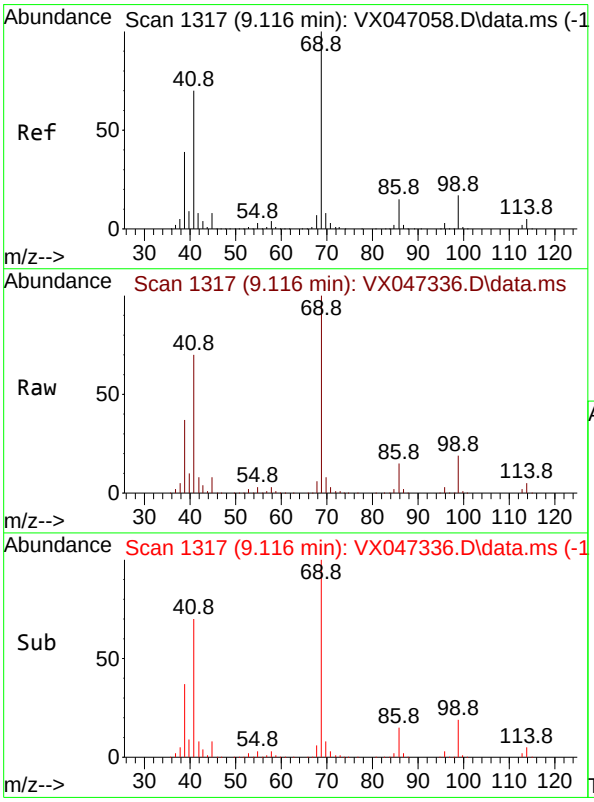
Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.0	102.0
85	56.0	45.2	67.8
99	64.3	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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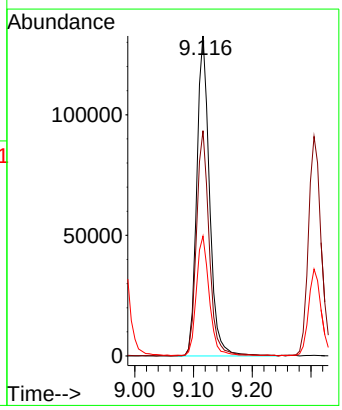
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

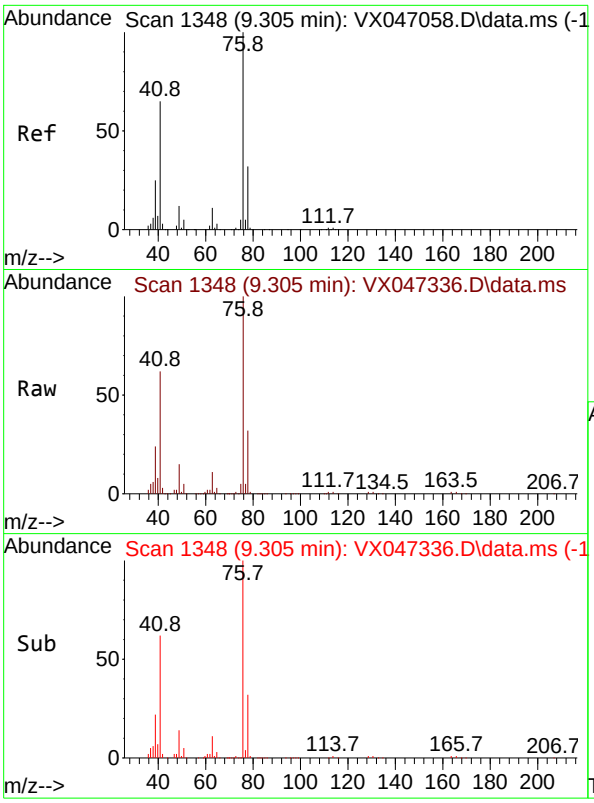


#56
Ethyl methacrylate
Concen: 52.723 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 69 Resp: 199756

Ion	Ratio	Lower	Upper
69	100		
41	70.7	56.1	84.1
39	37.4	31.1	46.7





#57
1,3-Dichloropropane
Concen: 50.286 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

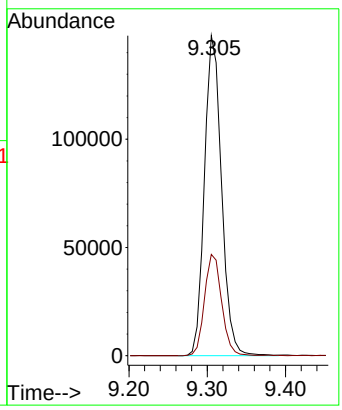
Tgt Ion: 76 Resp: 22366

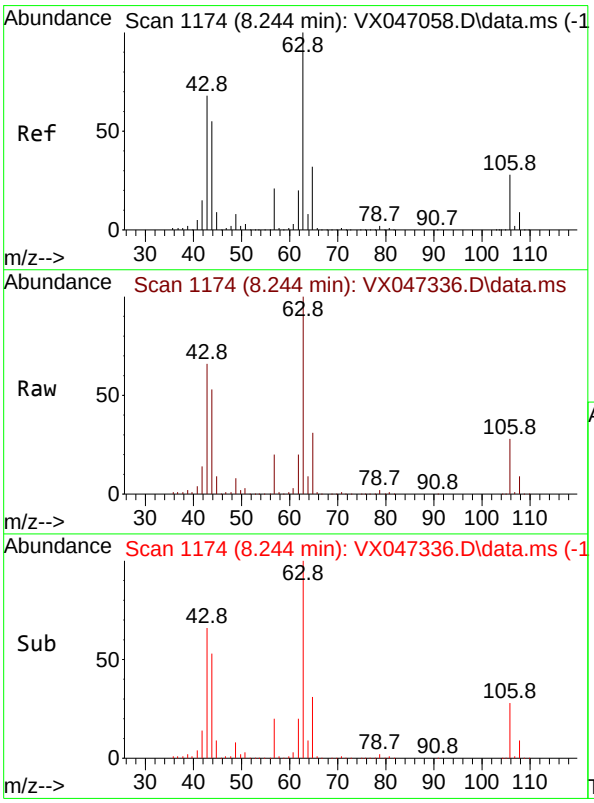
Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

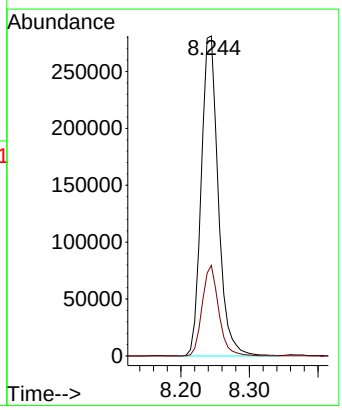


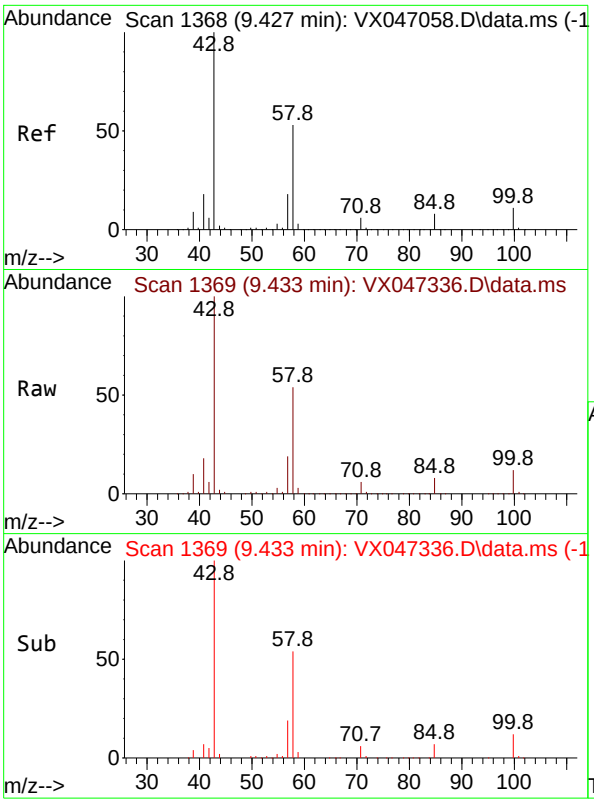


#58
2-Chloroethyl Vinyl ether
Concen: 230.595 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 63 Resp: 486170

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.2	33.4

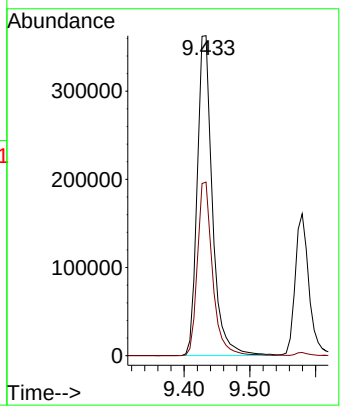




#59
2-Hexanone
Concen: 268.689 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 43 Resp: 58128

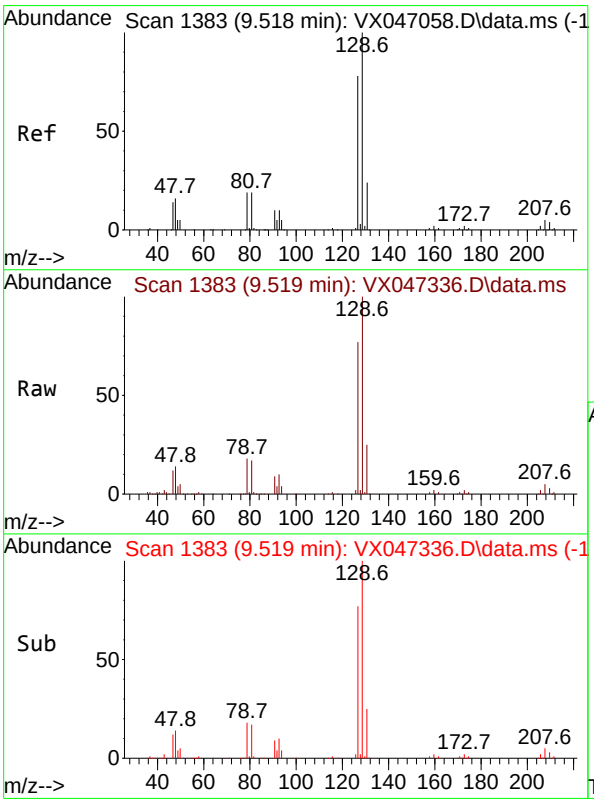
Ion	Ratio	Lower	Upper
43	100		
58	54.3	26.5	79.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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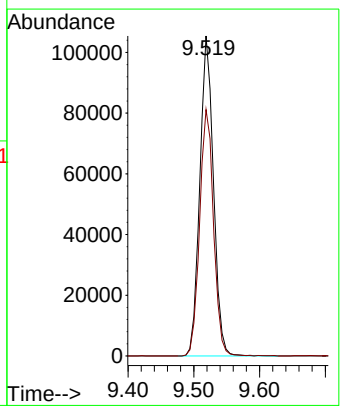
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

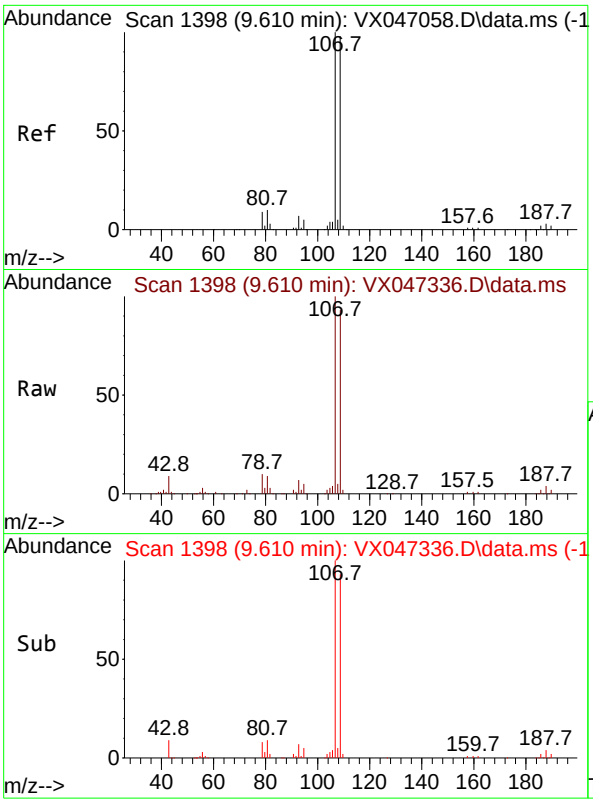


#60
Dibromochloromethane
Concen: 50.582 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:129 Resp: 151824

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.6	115.8

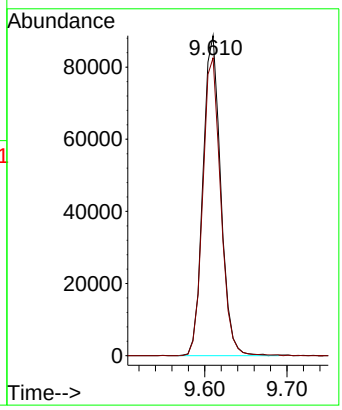




#61
1,2-Dibromoethane
Concen: 49.612 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:107 Resp: 13276

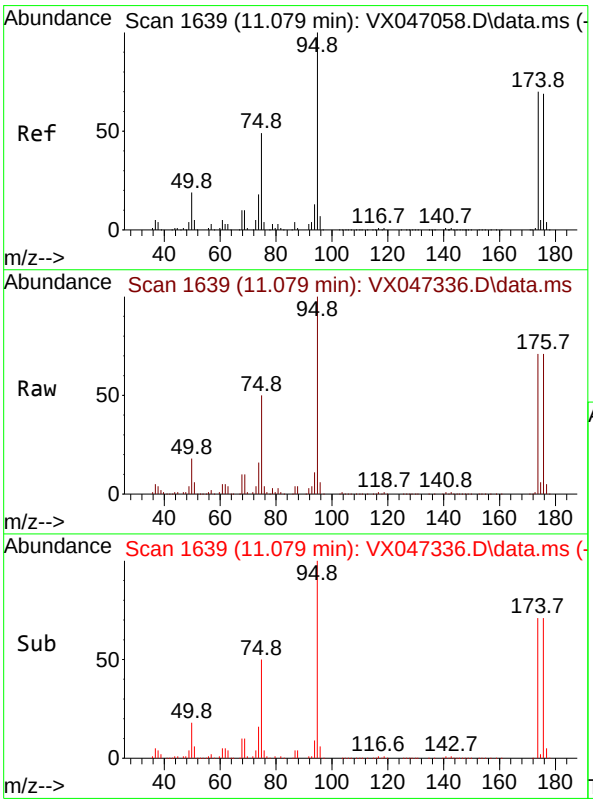
Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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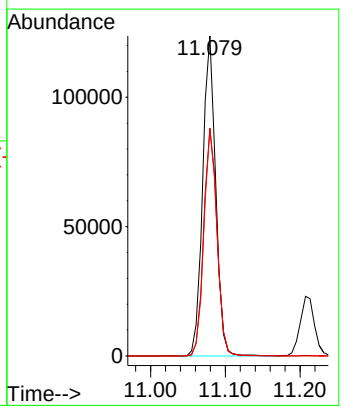
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

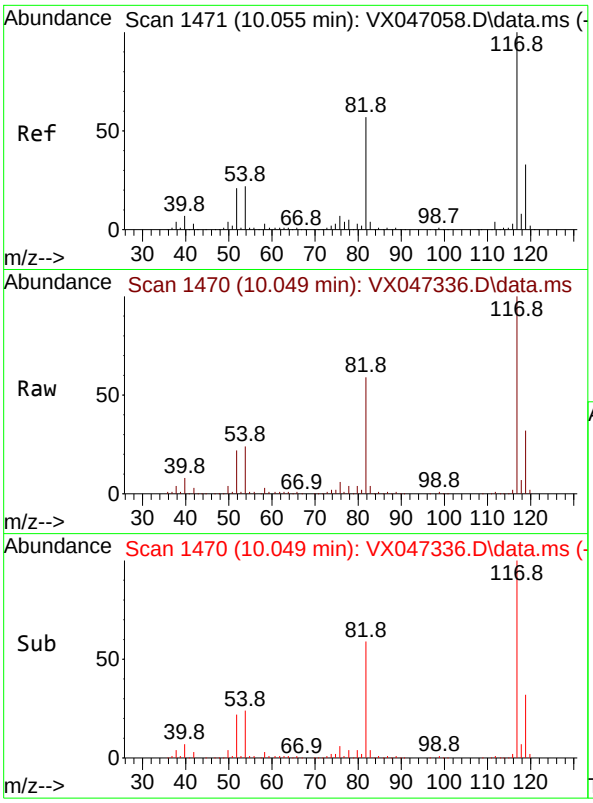


#62
4-Bromofluorobenzene
Concen: 47.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 95 Resp: 149323

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	144.6
176	71.2	0.0	139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

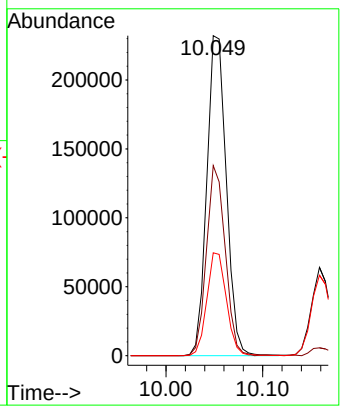
Tgt Ion:117 Resp: 32460

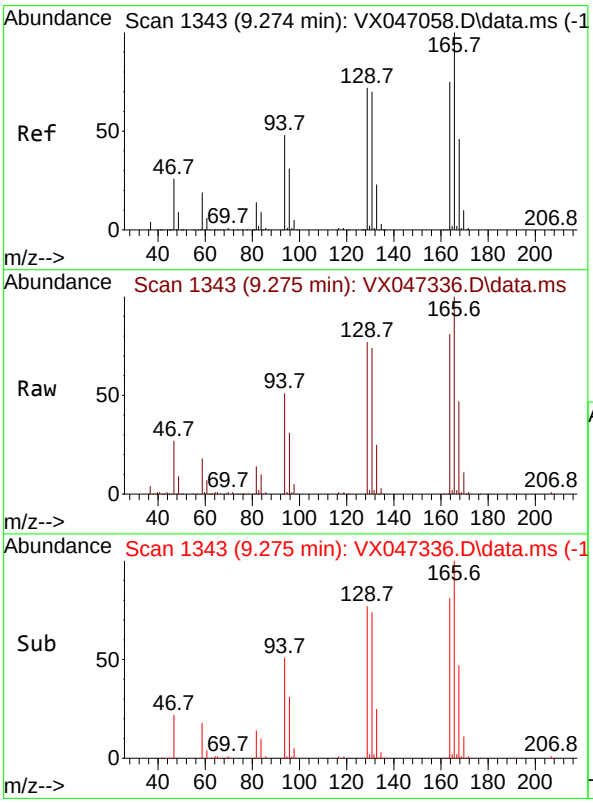
Ion	Ratio	Lower	Upper
117	100		
82	59.4	45.4	68.2
119	32.2	26.1	39.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

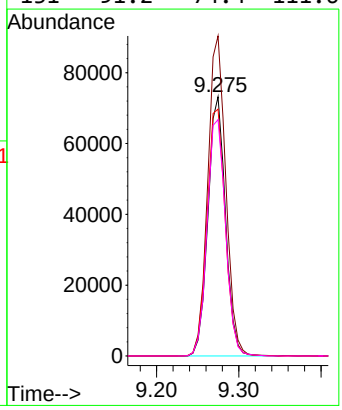


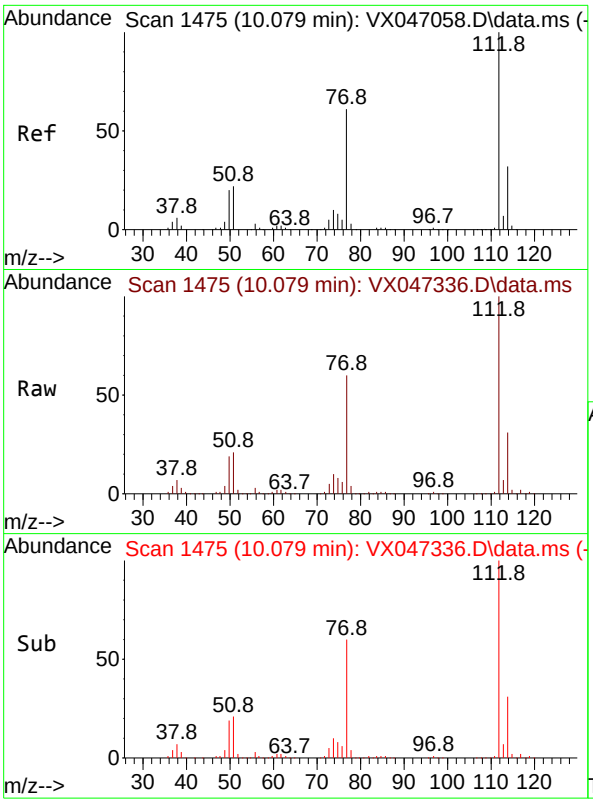


#64
Tetrachloroethene
Concen: 46.246 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:164 Resp: 108216

Ion	Ratio	Lower	Upper
164	100		
166	123.5	106.2	159.4
129	95.3	76.6	114.8
131	91.2	74.4	111.6

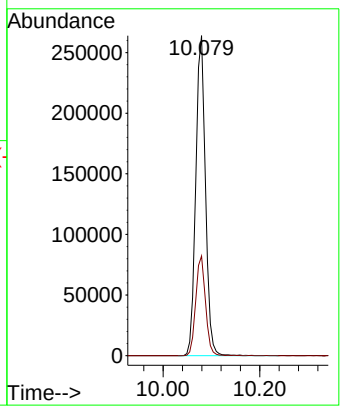




#65
Chlorobenzene
Concen: 48.146 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:112 Resp: 36612

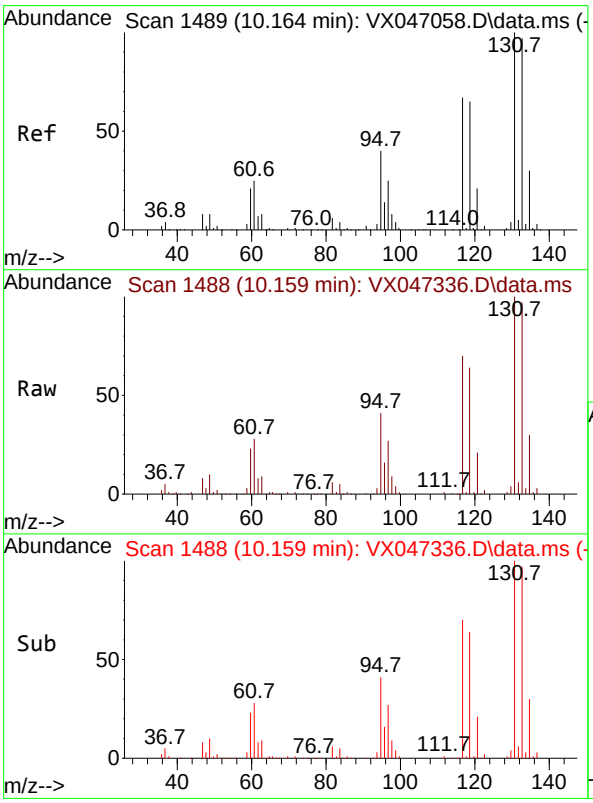
Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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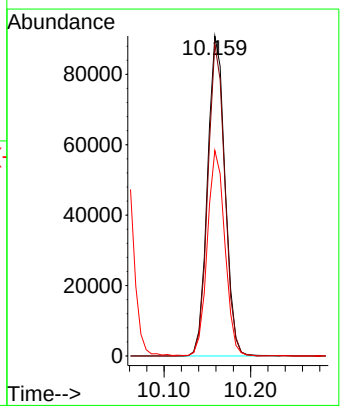
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

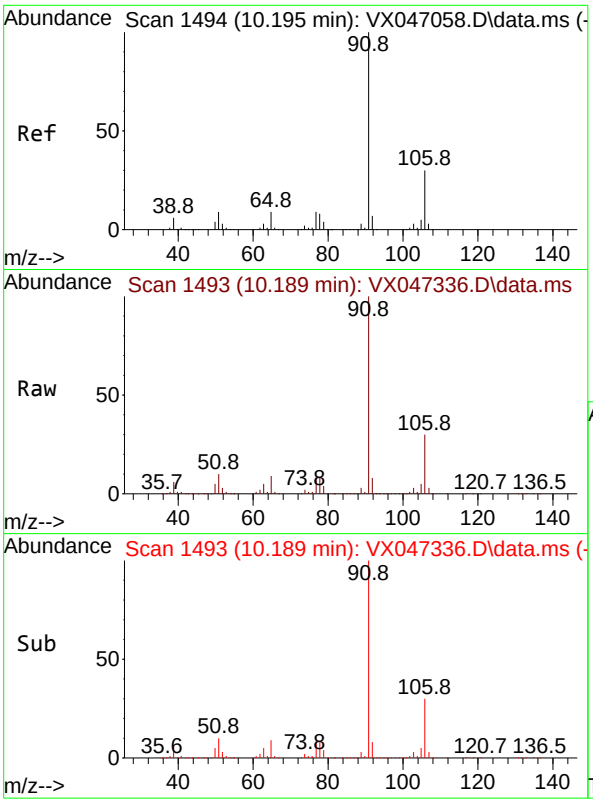


#66
1,1,1,2-Tetrachloroethane
Concen: 49.796 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:131 Resp: 127490

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.4	145.3
119	64.3	32.4	97.0





#67
Ethyl Benzene
Concen: 47.796 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

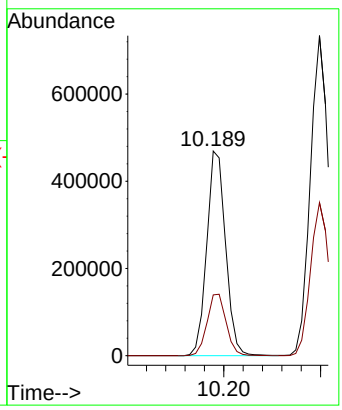
Tgt Ion: 91 Resp: 63549

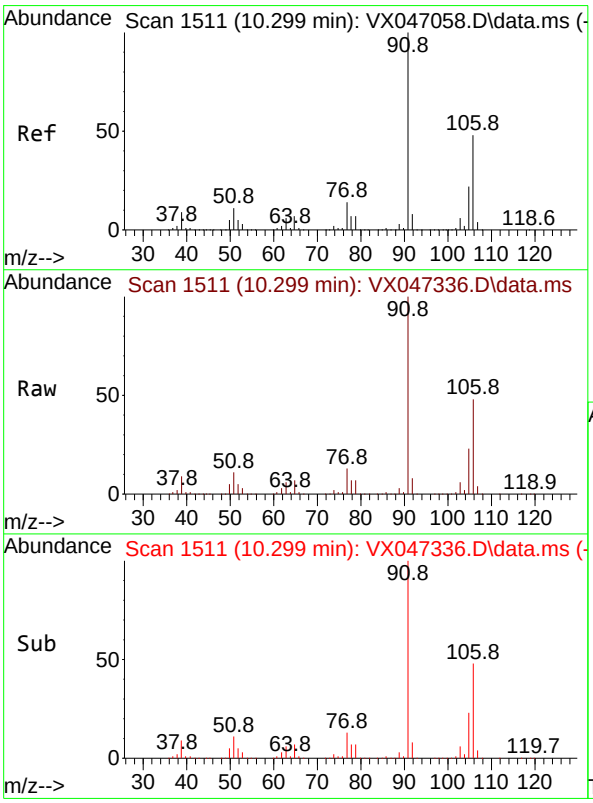
Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

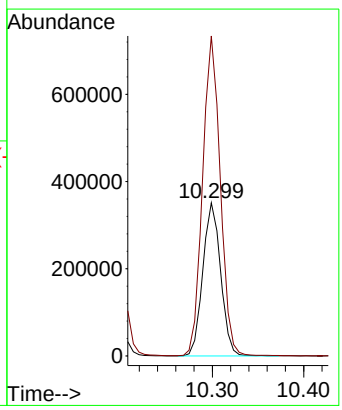


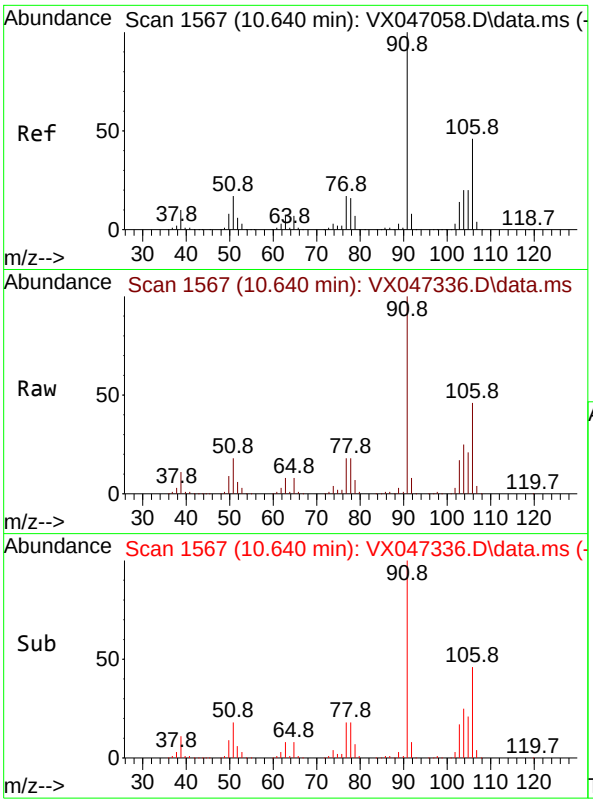


#68
m/p-Xylenes
Concen: 95.321 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:106 Resp: 474279

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.4	251.0

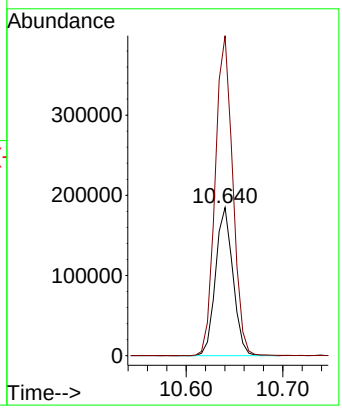




#69
o-Xylene
Concen: 48.705 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:106 Resp: 23053

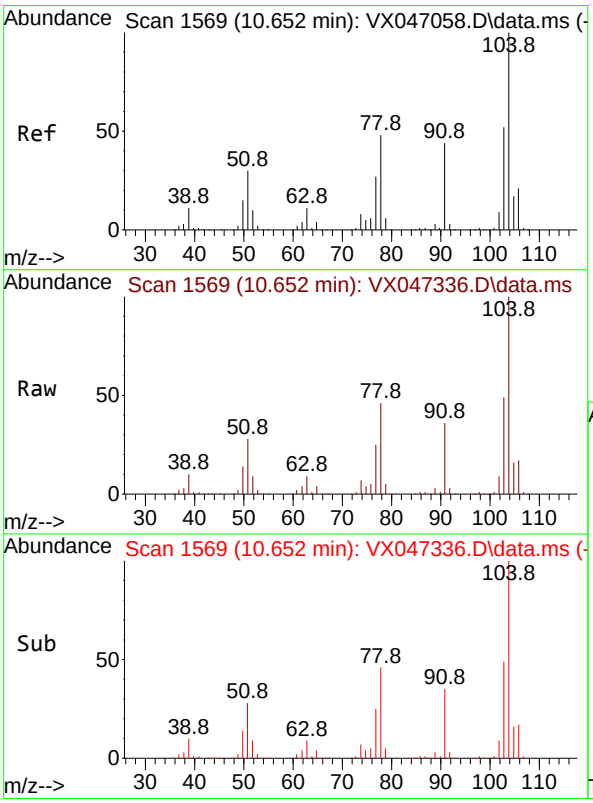
Ion	Ratio	Lower	Upper
106	100		
91	218.5	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

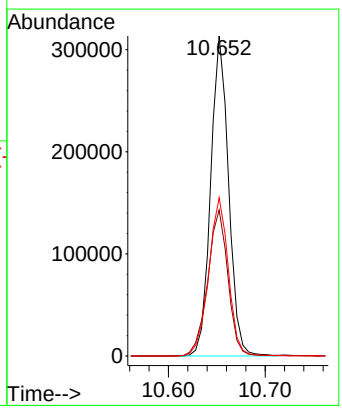
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

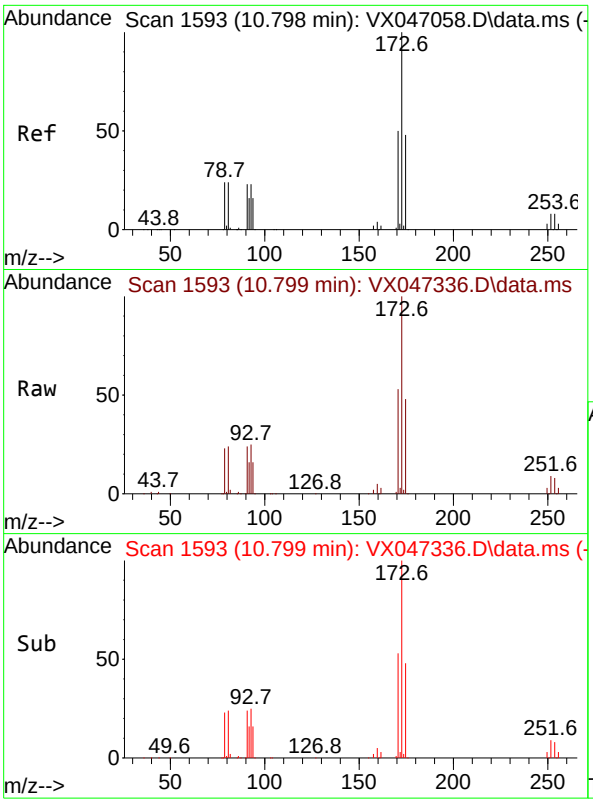


#70
Styrene
Concen: 49.717 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:104 Resp: 403534

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.0	63.0
103	54.4	43.8	65.6

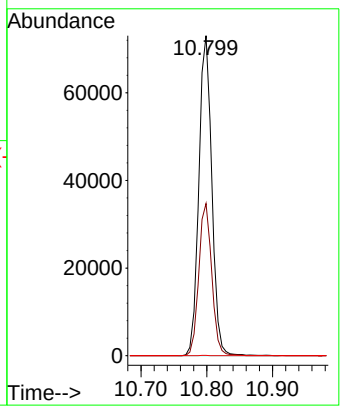




#71
Bromoform
Concen: 51.400 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

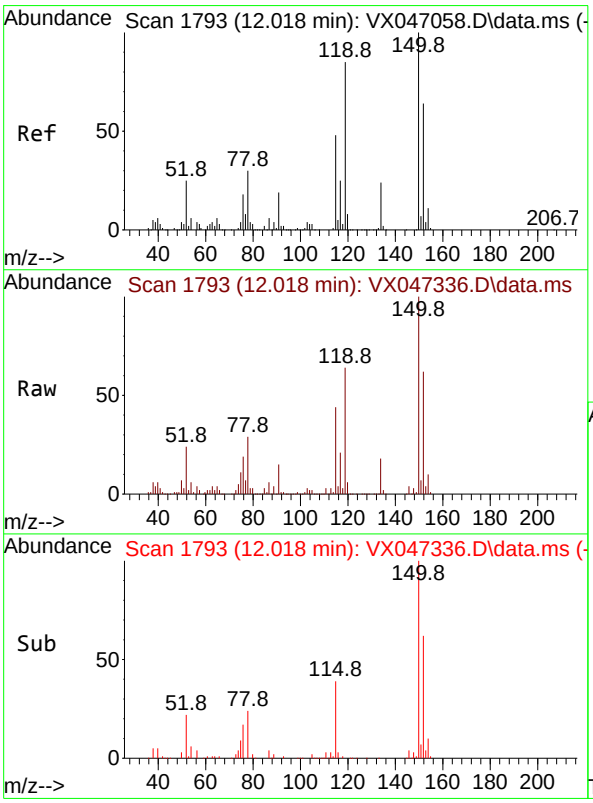
Tgt Ion:173 Resp: 9996

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.2	72.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

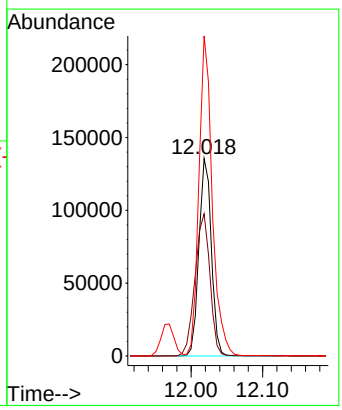
Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

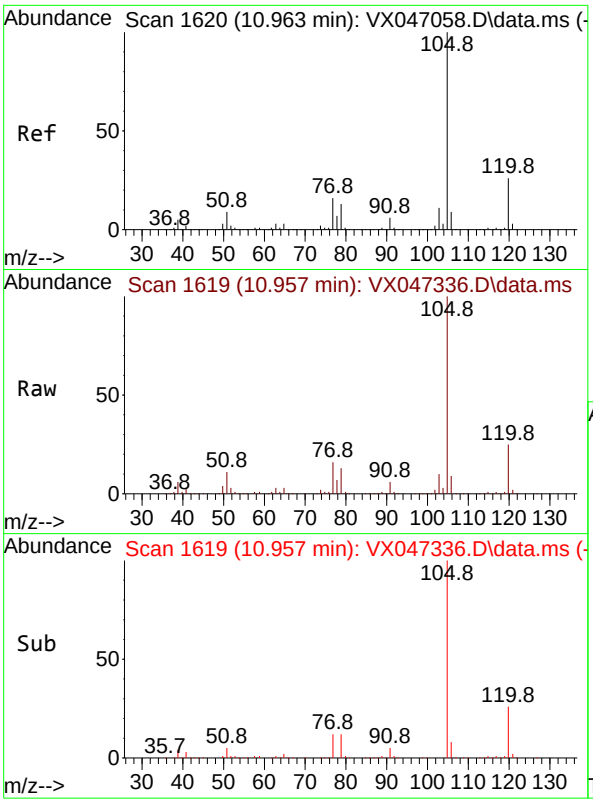


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:152 Resp: 163540

Ion	Ratio	Lower	Upper
152	100		
115	86.5	45.6	136.7
150	173.6	0.0	354.6

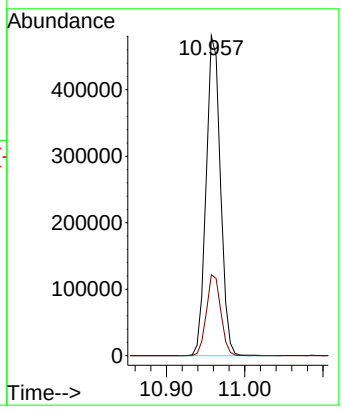




#73
Isopropylbenzene
Concen: 47.161 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:105 Resp: 60848

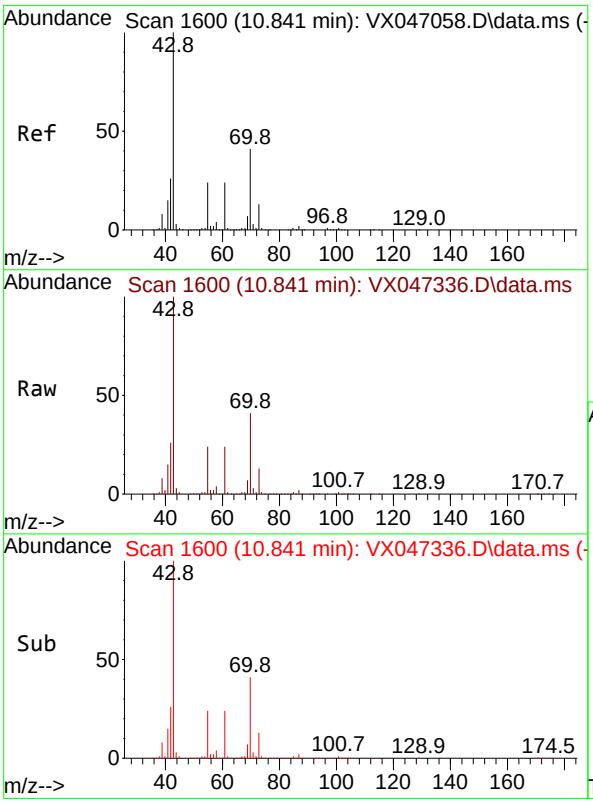
Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.9	38.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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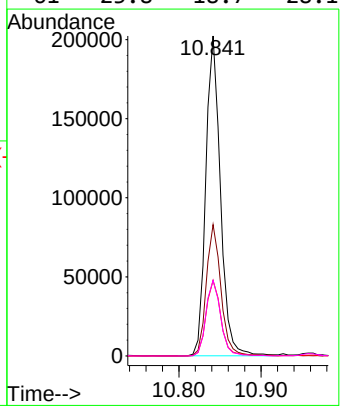
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

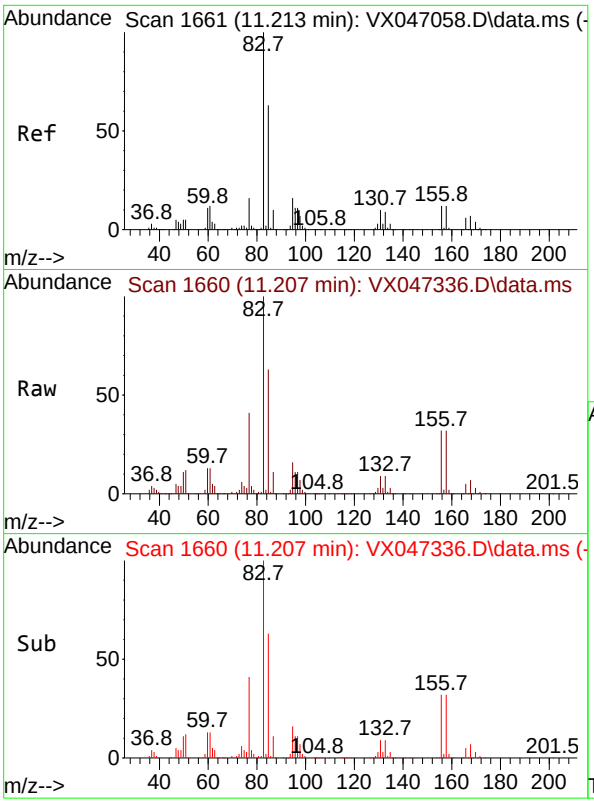


#74
N-amyl acetate
Concen: 47.961 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 43 Resp: 249680

Ion	Ratio	Lower	Upper
43	100		
70	41.3	32.3	48.5
55	24.0	18.9	28.3
61	23.8	18.7	28.1





#75
1,1,2,2-Tetrachloroethane
Concen: 49.925 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

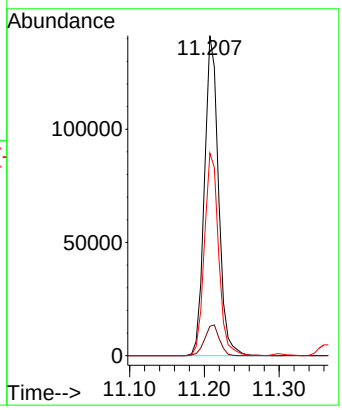
Tgt Ion: 83 Resp: 18400

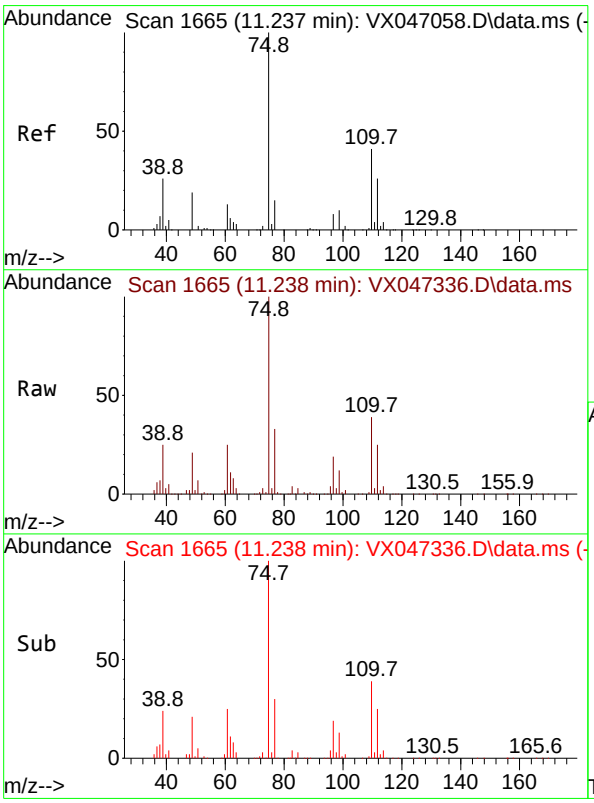
Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	64.0	32.0	96.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

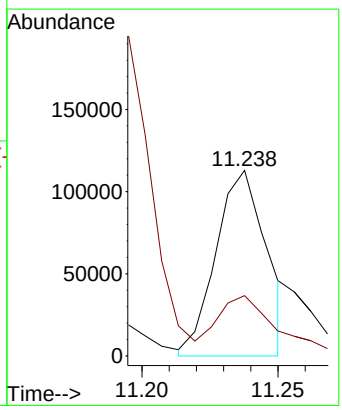


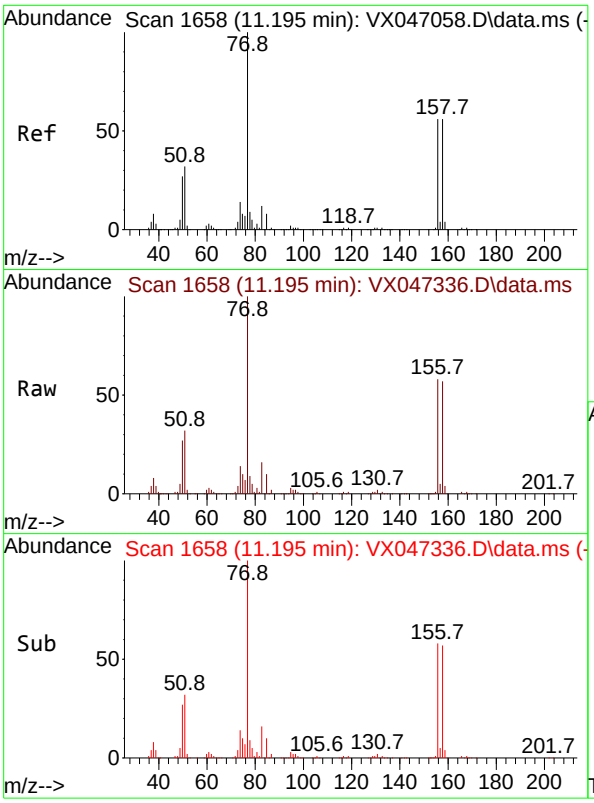


#76
1,2,3-Trichloropropane
Concen: 48.152 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 75 Resp: 145759

Ion	Ratio	Lower	Upper
75	100		
77	39.1	21.6	65.0

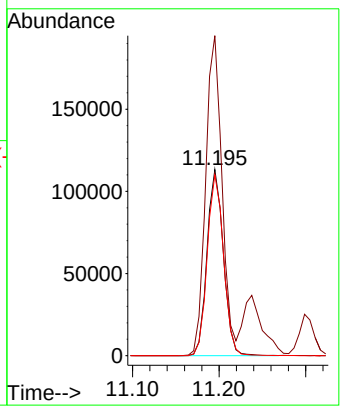




#77
Bromobenzene
Concen: 47.908 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:156 Resp: 14825

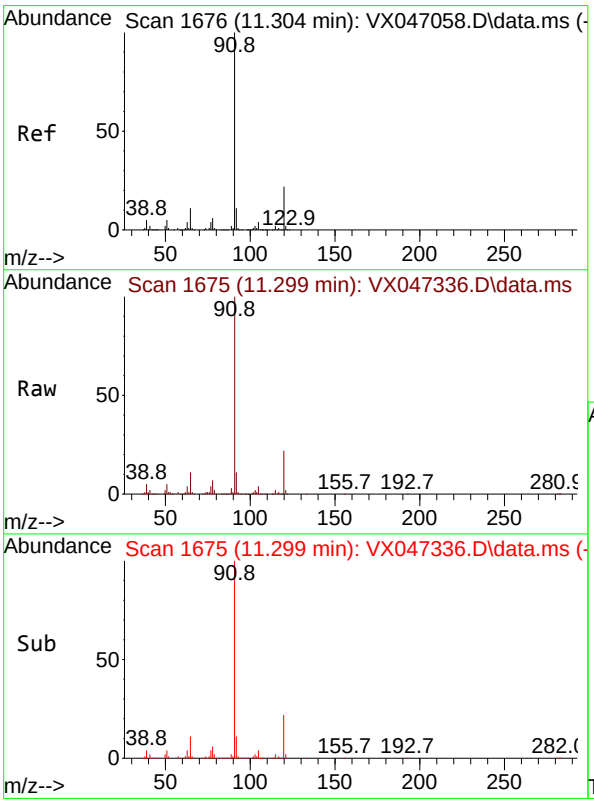
Ion	Ratio	Lower	Upper
156	100		
77	171.8	87.3	261.9
158	97.5	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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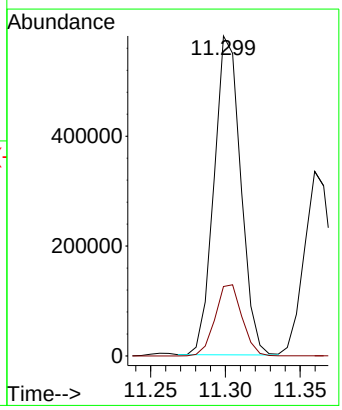
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

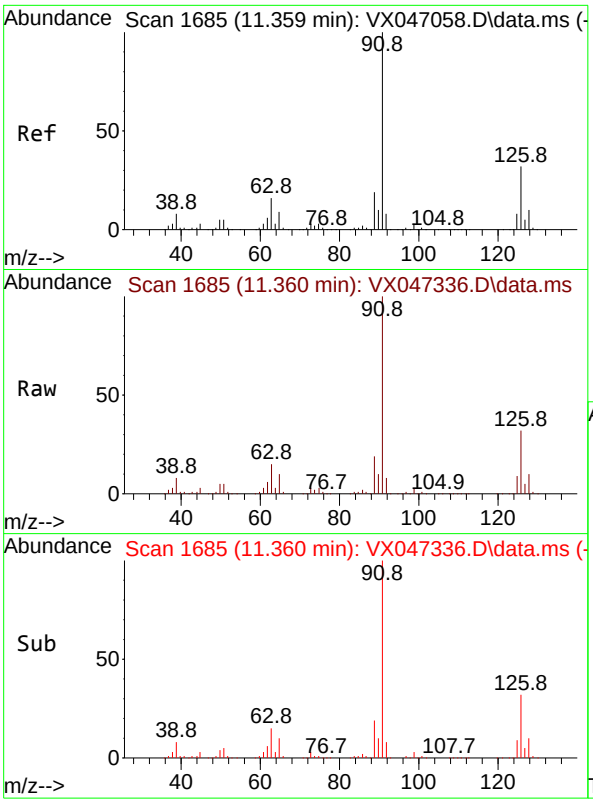


#78
n-propylbenzene
Concen: 46.679 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 91 Resp: 719706

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0





#79
2-Chlorotoluene
Concen: 46.196 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

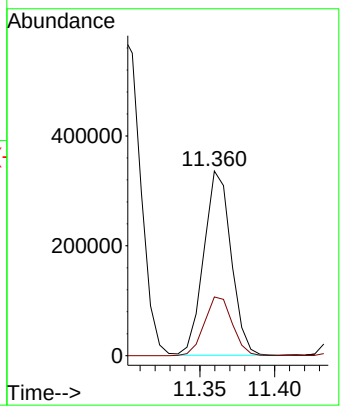
Tgt Ion: 91 Resp: 42576

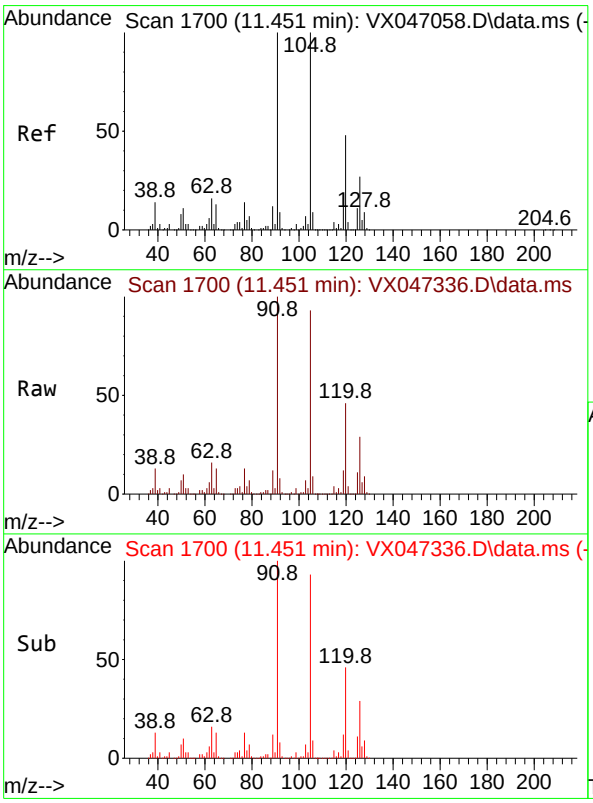
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

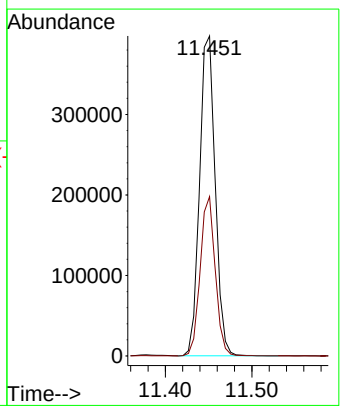


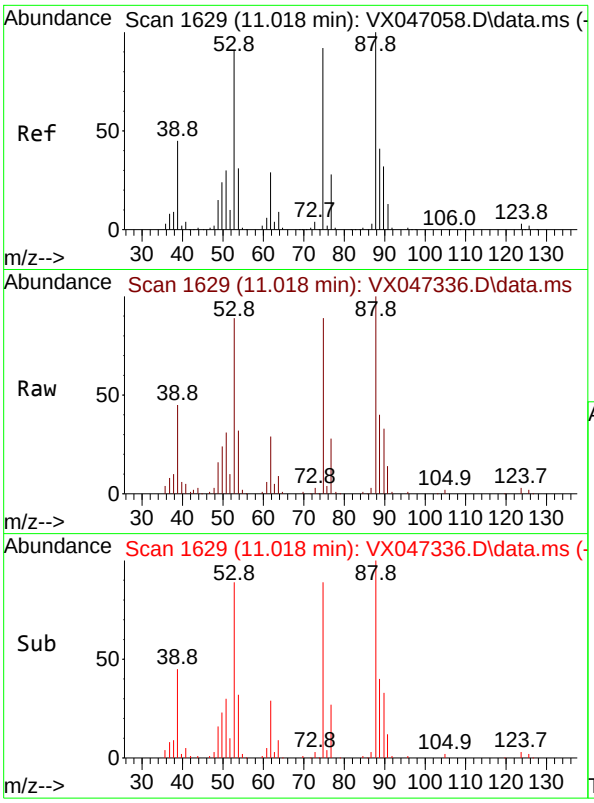


#80
1,3,5-Trimethylbenzene
Concen: 46.752 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:105 Resp: 498341

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.8	71.5





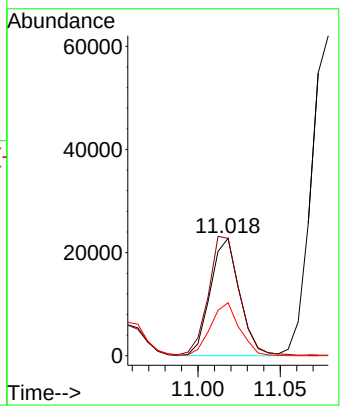
#81
trans-1,4-Dichloro-2-butene
Concen: 23.996 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

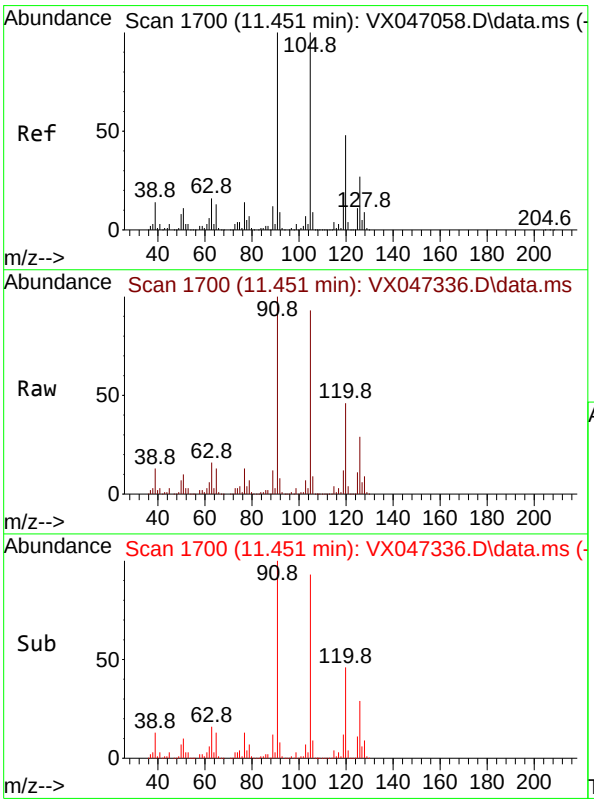
Tgt Ion: 75 Resp: 2819

Ion	Ratio	Lower	Upper
75	100		
53	106.3	84.2	126.4
89	44.6	36.0	54.0

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

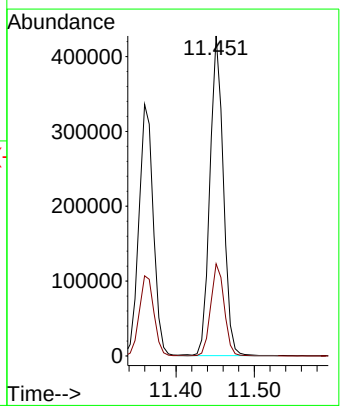


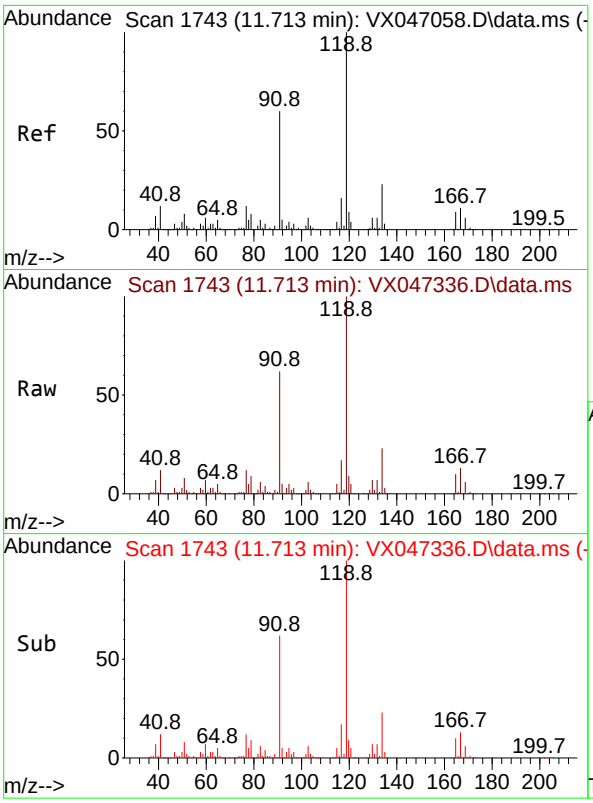


#82
4-Chlorotoluene
Concen: 47.214 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 91 Resp: 507914

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.1	42.3

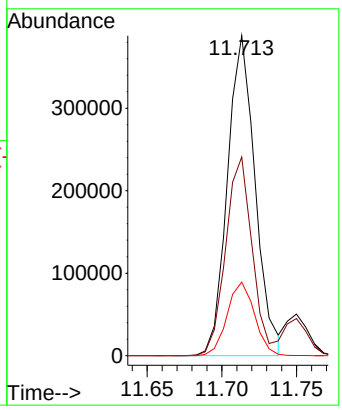




#83
tert-Butylbenzene
Concen: 46.810 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:119 Resp: 50080

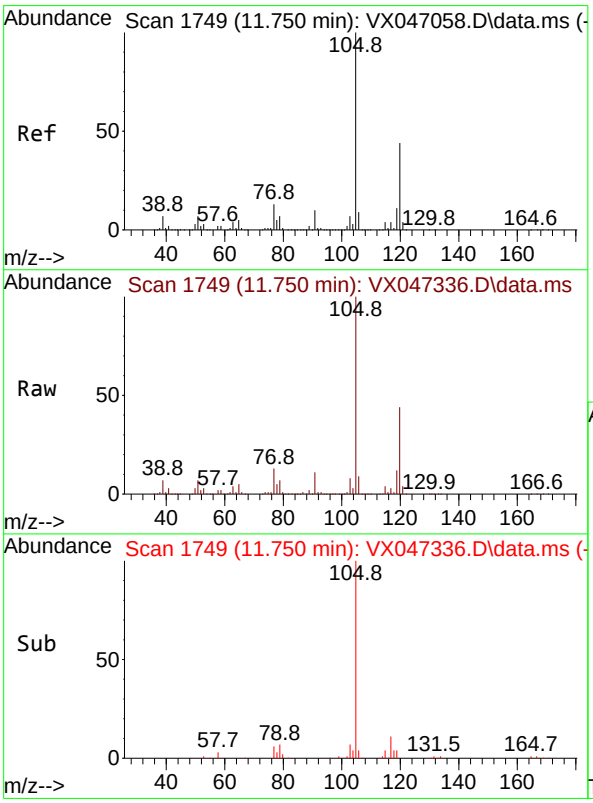
Ion	Ratio	Lower	Upper
119	100		
91	58.9	29.6	88.8
134	22.7	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

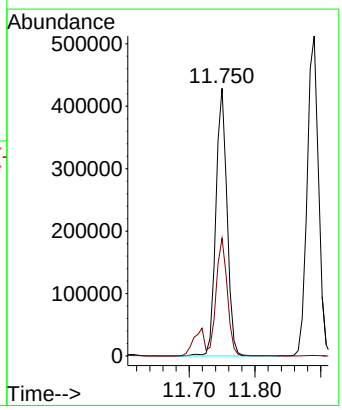
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

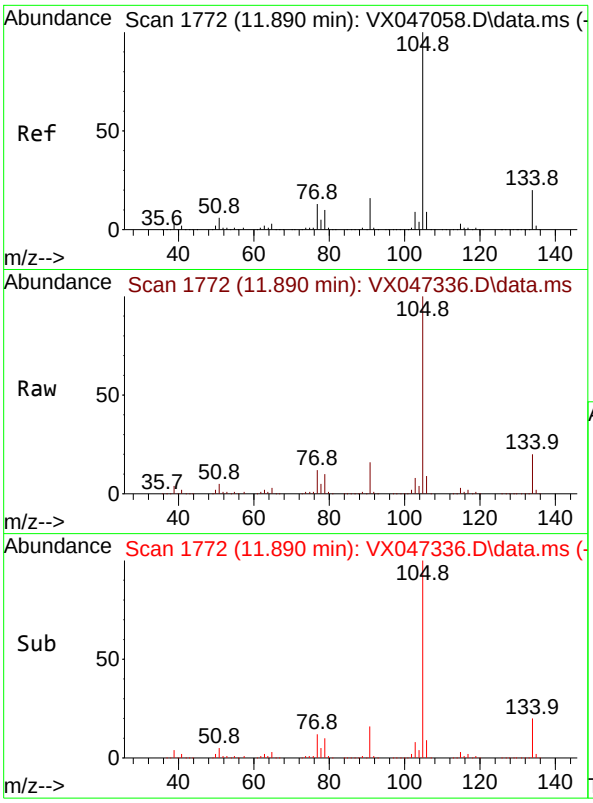


#84
1,2,4-Trimethylbenzene
Concen: 47.584 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:105 Resp: 505905

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.0	66.0

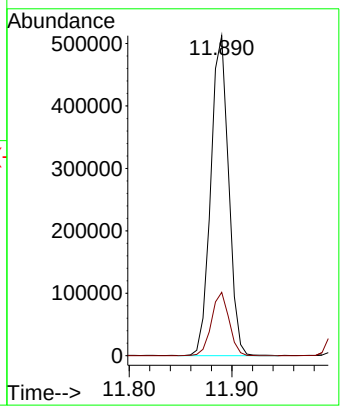




#85
sec-Butylbenzene
Concen: 46.111 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:105 Resp: 61638

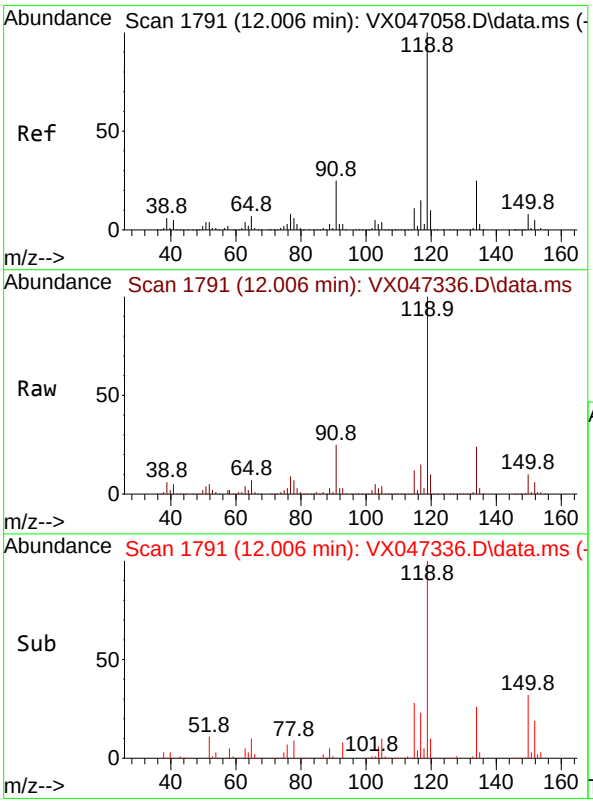
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

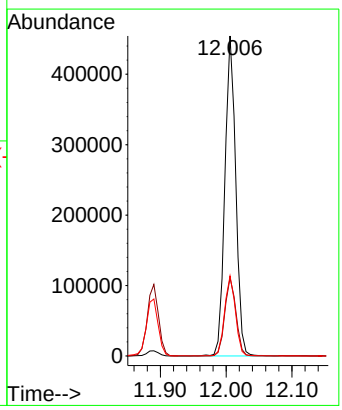
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

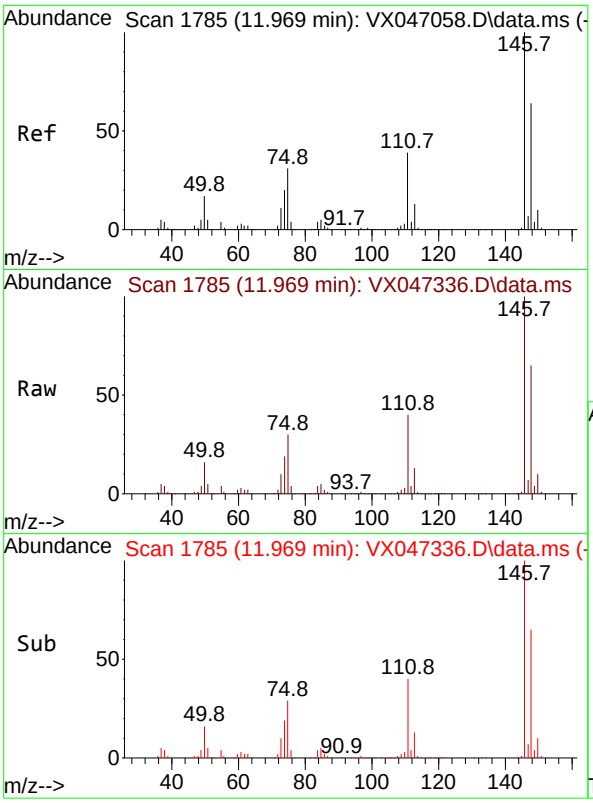


#86
p-Isopropyltoluene
Concen: 47.057 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:119 Resp: 521639

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.8	38.4
91	25.0	12.4	37.4

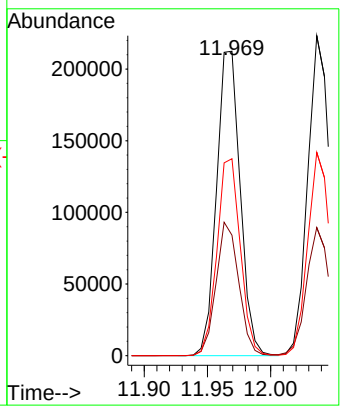




#87
1,3-Dichlorobenzene
Concen: 46.918 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

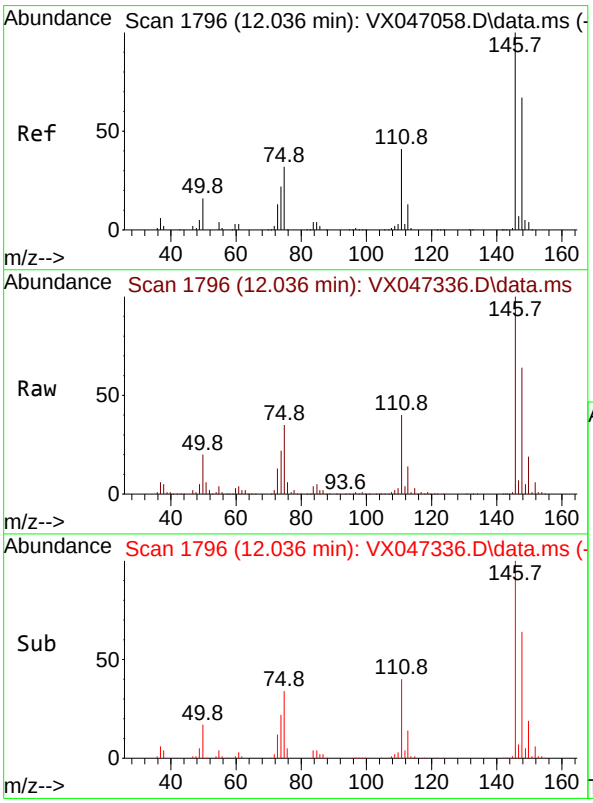
Tgt Ion:146 Resp: 27588

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	64.0	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

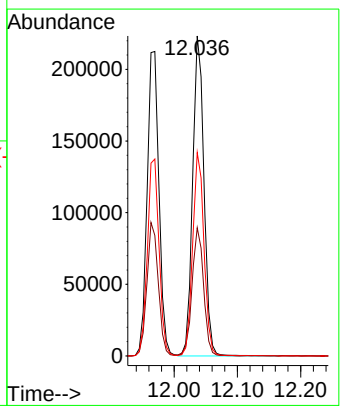
Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

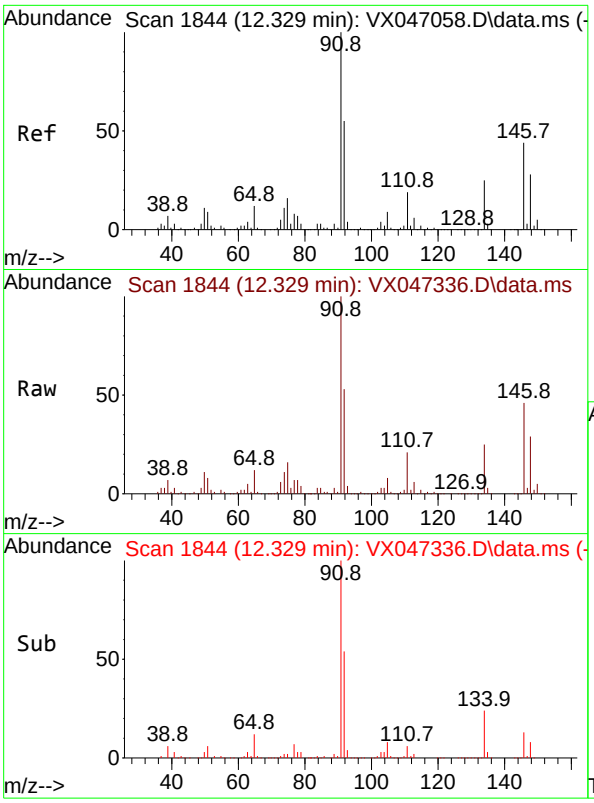


#88
1,4-Dichlorobenzene
Concen: 46.772 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:146 Resp: 278635

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	63.3	33.0	98.9

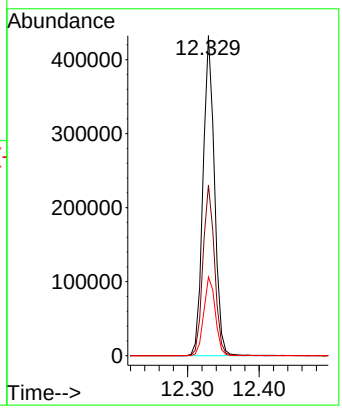




#89
n-Butylbenzene
Concen: 46.266 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 91 Resp: 48096

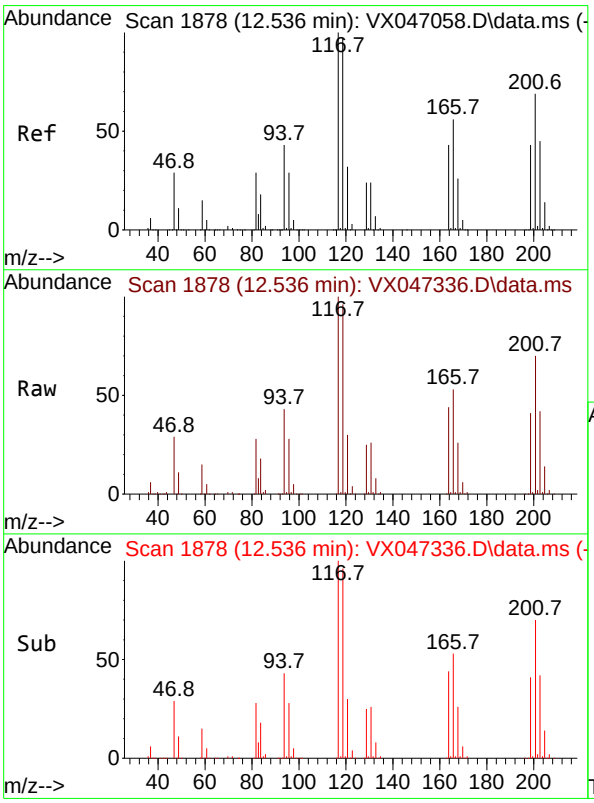
Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.5	82.5
134	24.8	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

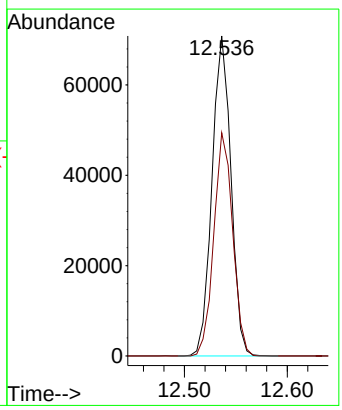
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

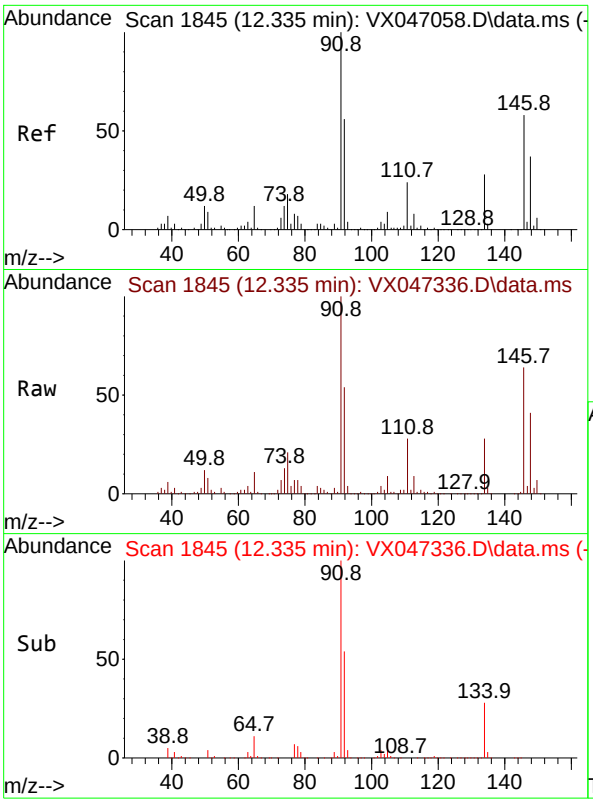


#90
Hexachloroethane
Concen: 45.634 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:117 Resp: 90498

Ion	Ratio	Lower	Upper
117	100		
201	69.6	34.8	104.5

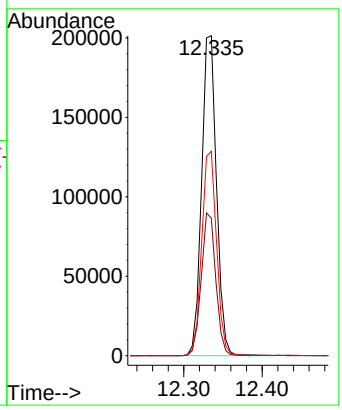




#91
1,2-Dichlorobenzene
Concen: 47.216 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:146 Resp: 26535

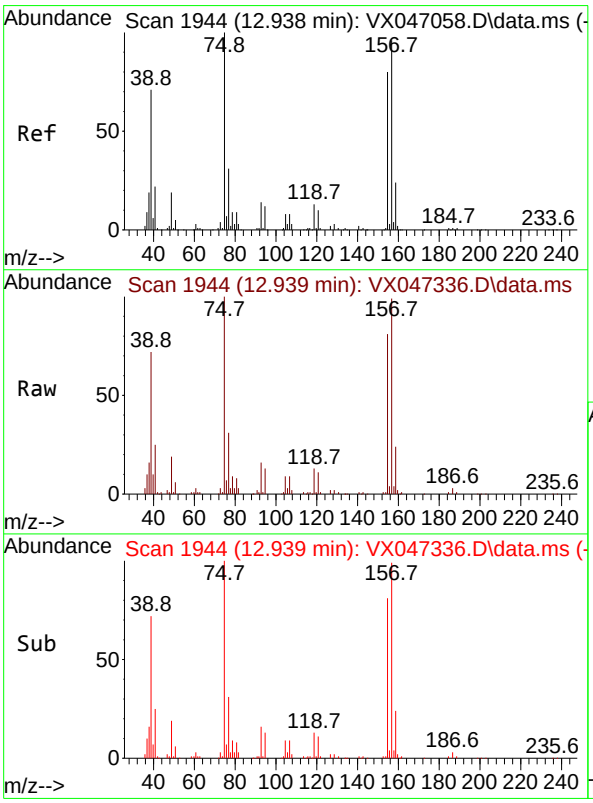
Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	64.6
148	63.8	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

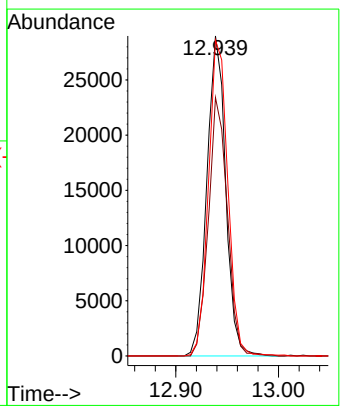
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

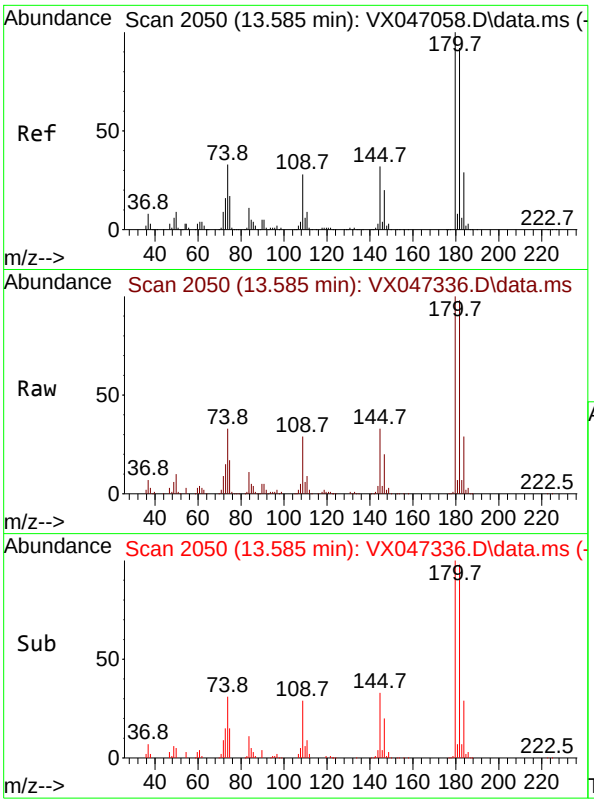


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.147 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 75 Resp: 36891

Ion	Ratio	Lower	Upper
75	100		
155	81.3	41.3	124.1
157	101.4	52.8	158.3

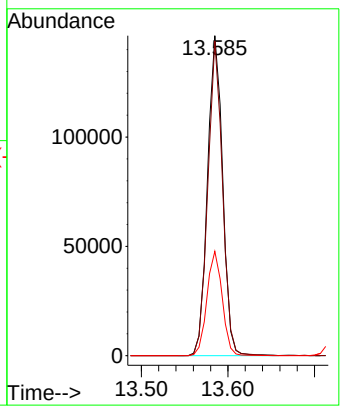




#93
1,2,4-Trichlorobenzene
Concen: 47.747 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:180 Resp: 17729

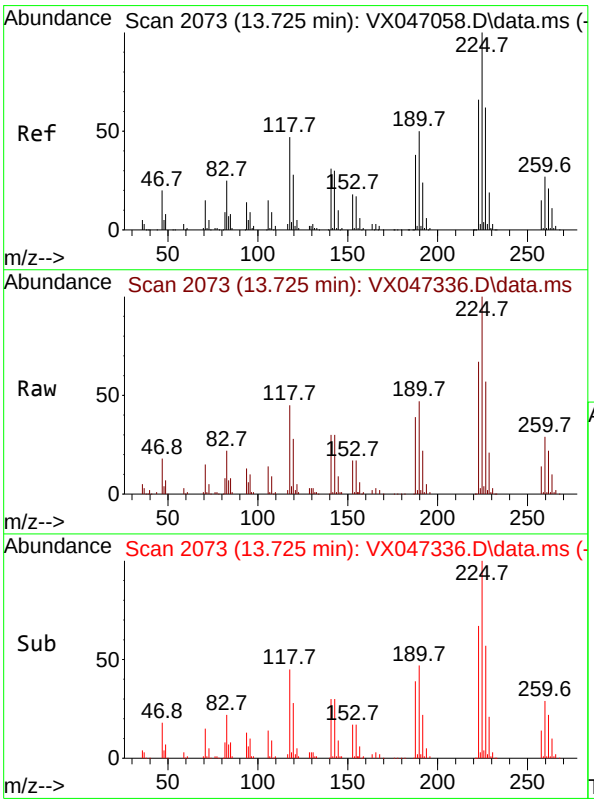
Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.8
145	33.0	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations
APPROVED

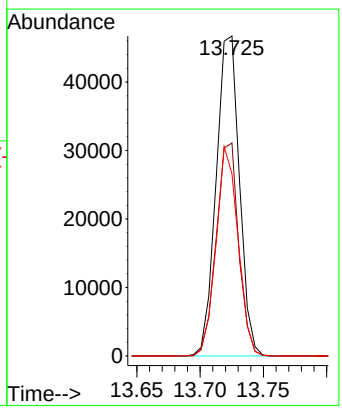
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

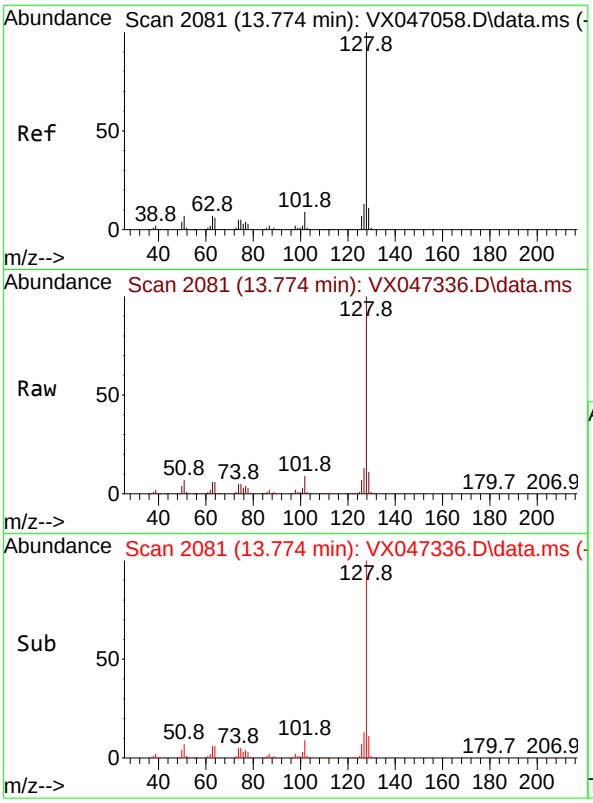


#94
Hexachlorobutadiene
Concen: 47.216 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:225 Resp: 59624

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.6	95.0
227	61.7	32.9	98.6

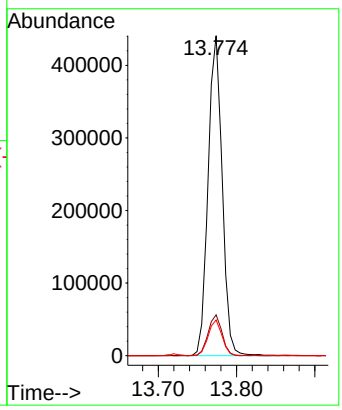




#95
Naphthalene
Concen: 50.471 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:128 Resp: 54938

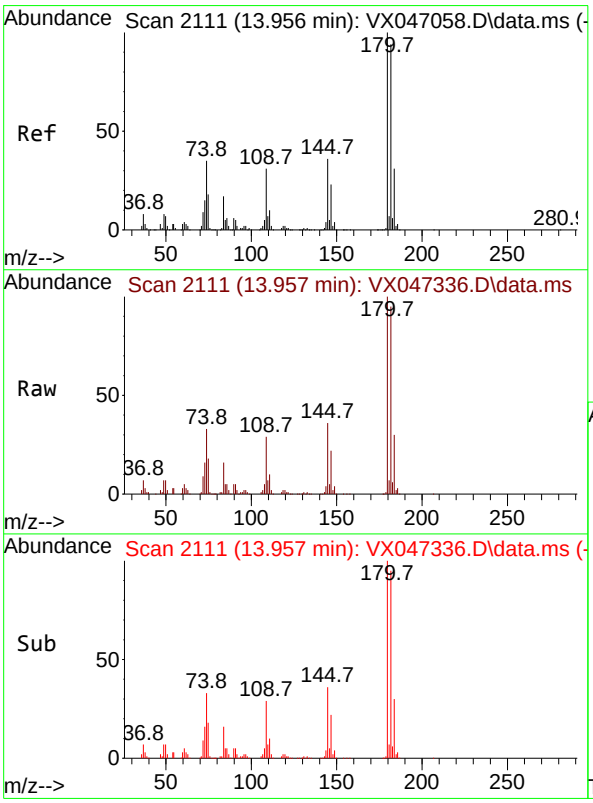
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.0	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

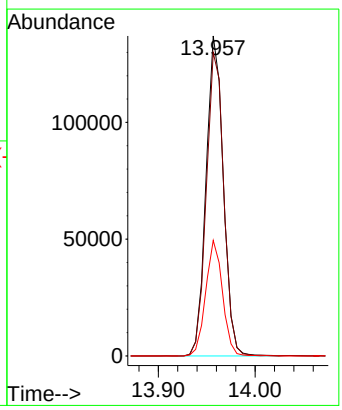
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 47.558 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:180 Resp: 170122

Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.9	140.6
145	35.4	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
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 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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	70	0.00
2	T	Dichlorodifluoromethane	0.664	0.627	5.6	57	0.00
3	P	Chloromethane	0.657	0.527	19.8	53	0.00
4	C	Vinyl Chloride	0.706	0.666	5.7#	60	0.00
5	T	Bromomethane	0.384	0.350	8.9	55	0.00
6	T	Chloroethane	0.464	0.390	15.9	58	0.00
7	T	Trichlorofluoromethane	1.053	1.002	4.8	60	0.00
8	T	Diethyl Ether	0.371	0.363	2.2	65	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.593	6.5	61	0.00
10	T	Methyl Iodide	0.647	1.051	-62.4#	101	0.00
11	T	Tert butyl alcohol	0.080	0.071	11.3	68	0.00
12	CM	1,1-Dichloroethene	0.628	0.585	6.8#	60	0.00
13	T	Acrolein	0.134	0.164	-22.4	83	0.00
14	T	Allyl chloride	1.136	1.037	8.7	58	0.00
15	T	Acrylonitrile	0.297	0.307	-3.4	65	0.00
16	T	Acetone	0.250	0.257	-2.8	71	0.00
17	T	Carbon Disulfide	1.818	1.552	14.6	56	0.00
18	T	Methyl Acetate	0.663	0.739	-11.5	75	0.00
19	T	Methyl tert-butyl Ether	1.912	1.925	-0.7	65	0.00
20	T	Methylene Chloride	0.686	0.648	5.5	63	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.610	5.1	61	0.00
22	T	Diisopropyl ether	2.184	2.161	1.1	64	0.00
23	T	Vinyl Acetate	1.752	1.783	-1.8	64	0.00
24	P	1,1-Dichloroethane	1.214	1.163	4.2	62	0.00
25	T	2-Butanone	0.363	0.345	5.0	62	0.00
26	T	2,2-Dichloropropane	0.940	0.888	5.5	63	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.724	4.9	63	0.00
28	T	Bromochloromethane	0.559	0.546	2.3	62	0.00
29	T	Tetrahydrofuran	0.234	0.222	5.1	60	0.00
30	C	Chloroform	1.236	1.187	4.0#	64	0.00
31	T	Cyclohexane	1.164	1.011	13.1	58	0.00
32	T	1,1,1-Trichloroethane	1.074	1.011	5.9	63	0.00
33	S	1,2-Dichloroethane-d4	0.623	0.665	-6.7	81	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	71	0.00
35	S	Dibromofluoromethane	0.309	0.308	0.3	74	0.00
36	T	1,1-Dichloropropene	0.526	0.482	8.4	62	0.00
37	T	Ethyl Acetate	0.485	0.548	-13.0	76	0.00
38	T	Carbon Tetrachloride	0.562	0.519	7.7	62	0.00
39	T	Methylcyclohexane	0.657	0.575	12.5	58	0.00
40	TM	Benzene	1.523	1.454	4.5	62	0.00
41	T	Methacrylonitrile	0.254	0.231	9.1	56	0.00
42	TM	1,2-Dichloroethane	0.536	0.536	0.0	66	0.00
43	T	Isopropyl Acetate	0.756	0.780	-3.2	65	0.00
44	TM	Trichloroethene	0.391	0.369	5.6	62	0.00
45	C	1,2-Dichloropropane	0.381	0.370	2.9#	64	0.00
46	T	Dibromomethane	0.267	0.275	-3.0	66	0.00
47	T	Bromodichloromethane	0.569	0.561	1.4	64	0.00
48	T	Methyl methacrylate	0.412	0.412	0.0	66	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
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 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.005	0.0	63	0.02
50	S	Toluene-d8	1.000	1.081	-8.1	83	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.461	-2.7	65	0.00
52	CM	Toluene	0.936	0.914	2.4#	63	0.00
53	T	t-1,3-Dichloropropene	0.538	0.522	3.0	62	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.566	3.7	61	0.00
55	T	1,1,2-Trichloroethane	0.351	0.357	-1.7	67	0.00
56	T	Ethyl methacrylate	0.520	0.548	-5.4	65	0.00
57	T	1,3-Dichloropropane	0.610	0.614	-0.7	66	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.267	7.6	58	0.00
59	T	2-Hexanone	0.297	0.319	-7.4	66	0.00
60	T	Dibromochloromethane	0.412	0.417	-1.2	66	0.00
61	T	1,2-Dibromoethane	0.367	0.364	0.8	65	0.00
62	S	4-Bromofluorobenzene	0.431	0.410	4.9	71	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	70	0.00
64	T	Tetrachloroethene	0.360	0.333	7.5	62	0.00
65	PM	Chlorobenzene	1.171	1.128	3.7	64	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.393	0.3	65	0.00
67	C	Ethyl Benzene	2.048	1.958	4.4#	62	0.00
68	T	m/p-Xylenes	0.766	0.731	4.6	62	0.00
69	T	o-Xylene	0.729	0.710	2.6	63	0.00
70	T	Styrene	1.250	1.243	0.6	64	0.00
71	P	Bromoform	0.300	0.308	-2.7	66	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	73	0.00
73	T	Isopropylbenzene	3.945	3.721	5.7	63	0.00
74	T	N-amyl acetate	1.592	1.527	4.1	63	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.125	0.2	68	0.00
76	T	1,2,3-Trichloropropane	0.925	0.891	3.7	66	0.00
77	T	Bromobenzene	0.946	0.907	4.1	65	0.00
78	T	n-propylbenzene	4.714	4.401	6.6	63	0.00
79	T	2-Chlorotoluene	2.818	2.603	7.6	63	0.00
80	T	1,3,5-Trimethylbenzene	3.259	3.047	6.5	63	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.172	52.1#	32#	0.00
82	T	4-Chlorotoluene	3.289	3.106	5.6	64	0.00
83	T	tert-Butylbenzene	3.271	3.062	6.4	62	0.00
84	T	1,2,4-Trimethylbenzene	3.251	3.093	4.9	63	0.00
85	T	sec-Butylbenzene	4.087	3.769	7.8	63	0.00
86	T	p-Isopropyltoluene	3.389	3.190	5.9	63	0.00
87	T	1,3-Dichlorobenzene	1.798	1.687	6.2	65	0.00
88	T	1,4-Dichlorobenzene	1.821	1.704	6.4	66	0.00
89	T	n-Butylbenzene	3.178	2.941	7.5	62	0.00
90	T	Hexachloroethane	0.606	0.553	8.7	62	0.00
91	T	1,2-Dichlorobenzene	1.718	1.623	5.5	65	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.226	-4.6	69	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.084	4.5	65	0.00
94	T	Hexachlorobutadiene	0.386	0.365	5.4	66	0.00
95	T	Naphthalene	3.328	3.359	-0.9	65	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
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 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	1.040	4.9	65	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
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 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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	70	0.00
2	T	Dichlorodifluoromethane	50.000	47.204	5.6	57	0.00
3	P	Chloromethane	50.000	40.077	19.8	53	0.00
4	C	Vinyl Chloride	50.000	47.169	5.7#	60	0.00
5	T	Bromomethane	50.000	45.596	8.8	55	0.00
6	T	Chloroethane	50.000	42.002	16.0	58	0.00
7	T	Trichlorofluoromethane	50.000	47.564	4.9	60	0.00
8	T	Diethyl Ether	50.000	48.875	2.3	65	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	46.758	6.5	61	0.00
10	T	Methyl Iodide	50.000	81.283	-62.6#	101	0.00
11	T	Tert butyl alcohol	250.000	245.210	1.9	68	0.00
12	CM	1,1-Dichloroethene	50.000	46.516	7.0#	60	0.00
13	T	Acrolein	250.000	306.256	-22.5	83	0.00
14	T	Allyl chloride	50.000	45.641	8.7	58	0.00
15	T	Acrylonitrile	250.000	258.666	-3.5	65	0.00
16	T	Acetone	250.000	257.435	-3.0	71	0.00
17	T	Carbon Disulfide	50.000	42.691	14.6	56	0.00
18	T	Methyl Acetate	50.000	55.705	-11.4	75	0.00
19	T	Methyl tert-butyl Ether	50.000	50.341	-0.7	65	0.00
20	T	Methylene Chloride	50.000	47.180	5.6	63	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.400	5.2	61	0.00
22	T	Diisopropyl ether	50.000	49.485	1.0	64	0.00
23	T	Vinyl Acetate	250.000	254.488	-1.8	64	0.00
24	P	1,1-Dichloroethane	50.000	47.881	4.2	62	0.00
25	T	2-Butanone	250.000	237.685	4.9	62	0.00
26	T	2,2-Dichloropropane	50.000	47.252	5.5	63	0.00
27	T	cis-1,2-Dichloroethene	50.000	47.554	4.9	63	0.00
28	T	Bromochloromethane	50.000	48.841	2.3	62	0.00
29	T	Tetrahydrofuran	250.000	236.966	5.2	60	0.00
30	C	Chloroform	50.000	48.012	4.0#	64	0.00
31	T	Cyclohexane	50.000	43.426	13.1	58	0.00
32	T	1,1,1-Trichloroethane	50.000	47.085	5.8	63	0.00
33	S	1,2-Dichloroethane-d4	50.000	53.400	-6.8	81	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	71	0.00
35	S	Dibromofluoromethane	50.000	49.953	0.1	74	0.00
36	T	1,1-Dichloropropene	50.000	45.816	8.4	62	0.00
37	T	Ethyl Acetate	50.000	56.505	-13.0	76	0.00
38	T	Carbon Tetrachloride	50.000	46.198	7.6	62	0.00
39	T	Methylcyclohexane	50.000	43.780	12.4	58	0.00
40	TM	Benzene	50.000	47.737	4.5	62	0.00
41	T	Methacrylonitrile	50.000	45.467	9.1	56	0.00
42	TM	1,2-Dichloroethane	50.000	49.914	0.2	66	0.00
43	T	Isopropyl Acetate	50.000	51.604	-3.2	65	0.00
44	TM	Trichloroethene	50.000	47.259	5.5	62	0.00
45	C	1,2-Dichloropropane	50.000	48.459	3.1#	64	0.00
46	T	Dibromomethane	50.000	51.354	-2.7	66	0.00
47	T	Bromodichloromethane	50.000	49.252	1.5	64	0.00
48	T	Methyl methacrylate	50.000	50.008	-0.0	66	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
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 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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	992.555	0.7	63	0.02
50	S	Toluene-d8	50.000	54.074	-8.1	83	0.00
51	T	4-Methyl-2-Pentanone	250.000	256.357	-2.5	65	0.00
52	CM	Toluene	50.000	48.798	2.4#	63	0.00
53	T	t-1,3-Dichloropropene	50.000	48.534	2.9	62	0.00
54	T	cis-1,3-Dichloropropene	50.000	48.060	3.9	61	0.00
55	T	1,1,2-Trichloroethane	50.000	50.781	-1.6	67	0.00
56	T	Ethyl methacrylate	50.000	52.723	-5.4	65	0.00
57	T	1,3-Dichloropropane	50.000	50.286	-0.6	66	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	230.595	7.8	58	0.00
59	T	2-Hexanone	250.000	268.689	-7.5	66	0.00
60	T	Dibromochloromethane	50.000	50.582	-1.2	66	0.00
61	T	1,2-Dibromoethane	50.000	49.612	0.8	65	0.00
62	S	4-Bromofluorobenzene	50.000	47.558	4.9	71	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	70	0.00
64	T	Tetrachloroethene	50.000	46.246	7.5	62	0.00
65	PM	Chlorobenzene	50.000	48.146	3.7	64	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.796	0.4	65	0.00
67	C	Ethyl Benzene	50.000	47.796	4.4#	62	0.00
68	T	m/p-Xylenes	100.000	95.321	4.7	62	0.00
69	T	o-Xylene	50.000	48.705	2.6	63	0.00
70	T	Styrene	50.000	49.717	0.6	64	0.00
71	P	Bromoform	50.000	51.400	-2.8	66	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	73	0.00
73	T	Isopropylbenzene	50.000	47.161	5.7	63	0.00
74	T	N-amyl acetate	50.000	47.961	4.1	63	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.925	0.2	68	0.00
76	T	1,2,3-Trichloropropane	50.000	48.152	3.7	66	0.00
77	T	Bromobenzene	50.000	47.908	4.2	65	0.00
78	T	n-propylbenzene	50.000	46.679	6.6	63	0.00
79	T	2-Chlorotoluene	50.000	46.196	7.6	63	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.752	6.5	63	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	23.996	52.0#	32	0.00
82	T	4-Chlorotoluene	50.000	47.214	5.6	64	0.00
83	T	tert-Butylbenzene	50.000	46.810	6.4	62	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.584	4.8	63	0.00
85	T	sec-Butylbenzene	50.000	46.111	7.8	63	0.00
86	T	p-Isopropyltoluene	50.000	47.057	5.9	63	0.00
87	T	1,3-Dichlorobenzene	50.000	46.918	6.2	65	0.00
88	T	1,4-Dichlorobenzene	50.000	46.772	6.5	66	0.00
89	T	n-Butylbenzene	50.000	46.266	7.5	62	0.00
90	T	Hexachloroethane	50.000	45.634	8.7	62	0.00
91	T	1,2-Dichlorobenzene	50.000	47.216	5.6	65	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.147	-4.3	69	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.747	4.5	65	0.00
94	T	Hexachlorobutadiene	50.000	47.216	5.6	66	0.00
95	T	Naphthalene	50.000	50.471	-0.9	65	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
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 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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	47.558	4.9	65	0.00

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

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: FIRS02

Lab Code: ACE | SDG No.: Q2814

Instrument ID: MSVOA_X | Calibration Date/Time: 08/14/2025 17:48

Lab File ID: VX047346.D | Init. Calib. Date(s): 07/21/2025 07/21/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:47 11:32

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.664	0.592		-10.84	50
Chloromethane	0.657	0.561	0.1	-14.61	50
Vinyl Chloride	0.706	0.638		-9.63	50
Bromomethane	0.384	0.270		-29.69	50
Chloroethane	0.464	0.457		-1.51	50
Trichlorofluoromethane	1.053	0.938		-10.92	50
1,1,2-Trichlorotrifluoroethane	0.634	0.549		-13.41	50
1,1-Dichloroethene	0.628	0.579		-7.8	50
Acetone	0.250	0.274		9.6	50
Carbon Disulfide	1.818	1.560		-14.19	50
Methyl tert-butyl Ether	1.912	1.995		4.34	50
Methyl Acetate	0.663	0.867		30.77	50
Methylene Chloride	0.686	0.677		-1.31	50
trans-1,2-Dichloroethene	0.643	0.610		-5.13	50
1,1-Dichloroethane	1.214	1.180	0.1	-2.8	50
Cyclohexane	1.164	0.933		-19.84	50
2-Butanone	0.363	0.385		6.06	50
Carbon Tetrachloride	0.562	0.490		-12.81	50
cis-1,2-Dichloroethene	0.761	0.746		-1.97	50
Bromochloromethane	0.559	0.572		2.33	50
Chloroform	1.236	1.238		0.16	50
1,1,1-Trichloroethane	1.074	1.001		-6.8	50
Methylcyclohexane	0.657	0.503		-23.44	50
Benzene	1.523	1.409		-7.49	50
1,2-Dichloroethane	0.536	0.523		-2.42	50
Trichloroethene	0.391	0.344		-12.02	50
1,2-Dichloropropane	0.381	0.361		-5.25	50
Bromodichloromethane	0.569	0.548		-3.69	50
4-Methyl-2-Pentanone	0.449	0.492		9.58	50
Toluene	0.936	0.864		-7.69	50
t-1,3-Dichloropropene	0.538	0.507		-5.76	50
cis-1,3-Dichloropropene	0.588	0.548		-6.8	50
1,1,2-Trichloroethane	0.351	0.357		1.71	50
2-Hexanone	0.297	0.346		16.5	50
Dibromochloromethane	0.412	0.409		-0.73	50
1,2-Dibromoethane	0.367	0.365		-0.55	50
Tetrachloroethene	0.360	0.299		-16.94	50
Chlorobenzene	1.171	1.048	0.3	-10.5	50

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

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: FIRS02
Lab Code: ACE
SDG No.: Q2814
Instrument ID: MSVOA_X
Calibration Date/Time: 08/14/2025 17:48
Lab File ID: VX047346.D
Init. Calib. Date(s): 07/21/2025 07/21/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:47 11:32
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.048	1.787		-12.74	50
m/p-Xylenes	0.766	0.672		-12.27	50
o-Xylene	0.729	0.662		-9.19	50
Styrene	1.250	1.142		-8.64	50
Bromoform	0.300	0.291	0.1	-3	50
Isopropylbenzene	3.945	3.369		-14.6	50
1,1,2,2-Tetrachloroethane	1.127	1.109	0.3	-1.6	50
1,3-Dichlorobenzene	1.798	1.563		-13.07	50
1,4-Dichlorobenzene	1.821	1.579		-13.29	50
1,2-Dichlorobenzene	1.718	1.524		-11.29	50
1,2-Dibromo-3-Chloropropane	0.216	0.228		5.56	50
1,2,4-Trichlorobenzene	1.135	1.012		-10.84	50
1,2,3-Trichlorobenzene	1.094	0.972		-11.15	50
1,2-Dichloroethane-d4	0.623	0.682		9.47	50
Dibromofluoromethane	0.309	0.292		-5.5	50
Toluene-d8	1.000	0.990		-1	50
4-Bromofluorobenzene	0.431	0.390		-9.51	50

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\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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)
Internal Standards						
1) Pentafluorobenzene	5.568	168	208278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	371282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	173101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	142035	54.745	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.480%			
35) Dibromofluoromethane	5.404	113	108232	47.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.420%			
50) Toluene-d8	8.653	98	367633	49.520	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.040%			
62) 4-Bromofluorobenzene	11.079	95	144917	45.296	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	123251	44.552	ug/l	99
3) Chloromethane	1.313	50	116779	42.674	ug/l	98
4) Vinyl Chloride	1.392	62	132946	45.194	ug/l #	65
5) Bromomethane	1.624	94	56141	35.133	ug/l	96
6) Chloroethane	1.703	64	95172	49.260	ug/l	98
7) Trichlorofluoromethane	1.904	101	195362	44.538	ug/l	99
8) Diethyl Ether	2.148	74	77456	50.082	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	114394	43.287	ug/l	99
10) Methyl Iodide	2.471	142	191452	71.083	ug/l	99
11) Tert butyl alcohol	2.965	59	86587	287.013	ug/l	99
12) 1,1-Dichloroethene	2.337	96	120541	46.053	ug/l	98
13) Acrolein	2.252	56	150549	269.492	ug/l	100
14) Allyl chloride	2.684	41	216535	45.765	ug/l	97
15) Acrylonitrile	3.087	53	347215	280.605	ug/l	99
16) Acetone	2.392	43	285180	274.381	ug/l	99
17) Carbon Disulfide	2.532	76	324913	42.909	ug/l	99
18) Methyl Acetate	2.715	43	180663	65.409	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	415516	52.161	ug/l	98
20) Methylene Chloride	2.806	84	140906	49.279	ug/l	99
21) trans-1,2-Dichloroethene	3.111	96	127056	47.436	ug/l	97
22) Diisopropyl ether	3.776	45	468017	51.450	ug/l	100
23) Vinyl Acetate	3.739	43	1949875	267.249	ug/l	99
24) 1,1-Dichloroethane	3.629	63	245858	48.604	ug/l	99
25) 2-Butanone	4.568	43	400945	264.931	ug/l	100
26) 2,2-Dichloropropane	4.495	77	179072	45.732	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	155444	49.009	ug/l	98
28) Bromochloromethane	4.910	49	119086	51.172	ug/l	98
29) Tetrahydrofuran	5.026	42	266756	273.186	ug/l	98
30) Chloroform	5.111	83	257758	50.059	ug/l	98
31) Cyclohexane	5.483	56	194284	40.057	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	208412	46.599	ug/l	99
36) 1,1-Dichloropropene	5.708	75	159206	40.742	ug/l	99
37) Ethyl Acetate	4.727	43	203572	56.537	ug/l	96
38) Carbon Tetrachloride	5.696	117	181954	43.627	ug/l	95
39) Methylcyclohexane	7.391	83	186724	38.272	ug/l	97
40) Benzene	6.050	78	523138	46.260	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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	4.946	41	91974	48.853 ug/l #	93
42) 1,2-Dichloroethane	6.098	62	194195	48.749 ug/l	98
43) Isopropyl Acetate	6.348	43	300019	53.447 ug/l	99
44) Trichloroethene	7.135	130	127653	44.020 ug/l	99
45) 1,2-Dichloropropane	7.440	63	134112	47.350 ug/l	99
46) Dibromomethane	7.586	93	101916	51.312 ug/l	99
47) Bromodichloromethane	7.824	83	203387	48.109 ug/l	100
48) Methyl methacrylate	7.696	41	153774	50.286 ug/l	99
49) 1,4-Dioxane	7.678	88	33750	970.369 ug/l	95
51) 4-Methyl-2-Pentanone	8.574	43	912658	273.536 ug/l	100
52) Toluene	8.720	92	320957	46.158 ug/l	99
53) t-1,3-Dichloropropene	8.982	75	188226	47.148 ug/l	96
54) cis-1,3-Dichloropropene	8.372	75	203618	46.601 ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	132472	50.800 ug/l	98
56) Ethyl methacrylate	9.116	69	206281	53.433 ug/l	99
57) 1,3-Dichloropropane	9.311	76	222657	49.129 ug/l	98
58) 2-Chloroethyl Vinyl ether	8.244	63	469143	218.383 ug/l	100
59) 2-Hexanone	9.433	43	642479	291.456 ug/l	100
60) Dibromochloromethane	9.519	129	151761	49.621 ug/l	99
61) 1,2-Dibromoethane	9.610	107	135649	49.748 ug/l	100
64) Tetrachloroethene	9.275	164	103393	41.472 ug/l	95
65) Chlorobenzene	10.079	112	362501	44.744 ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.165	131	125458	45.994 ug/l	100
67) Ethyl Benzene	10.195	91	617847	43.616 ug/l	99
68) m/p-Xylenes	10.299	106	464984	87.716 ug/l	99
69) o-Xylene	10.640	106	228871	45.384 ug/l	98
70) Styrene	10.653	104	394790	45.654 ug/l	99
71) Bromoform	10.799	173	100790	48.644 ug/l	99
73) Isopropylbenzene	10.963	105	583129	42.699 ug/l	99
74) N-amyl acetate	10.842	43	256809	46.606 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	191907	49.195 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	150314m	46.914 ug/l	
77) Bromobenzene	11.195	156	145093	44.295 ug/l	99
78) n-propylbenzene	11.305	91	691822	42.392 ug/l	99
79) 2-Chlorotoluene	11.360	91	423456	43.408 ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	484950	42.983 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	24849	19.981 ug/l	94
82) 4-Chlorotoluene	11.451	91	495295	43.498 ug/l	99
83) tert-Butylbenzene	11.713	119	486511	42.963 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	488683	43.425 ug/l	99
85) sec-Butylbenzene	11.890	105	588721	41.609 ug/l	100
86) p-Isopropyltoluene	12.006	119	488762	41.656 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	270585	43.475 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	273360	43.352 ug/l	98
89) n-Butylbenzene	12.329	91	455867	41.429 ug/l	99
90) Hexachloroethane	12.536	117	85939	40.942 ug/l	99
91) 1,2-Dichlorobenzene	12.329	146	263855	44.357 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39520	52.778 ug/l	95
93) 1,2,4-Trichlorobenzene	13.585	180	175152	44.566 ug/l	99
94) Hexachlorobutadiene	13.725	225	56237	42.074 ug/l	97
95) Naphthalene	13.774	128	567289	49.237 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	168173	44.417 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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)

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

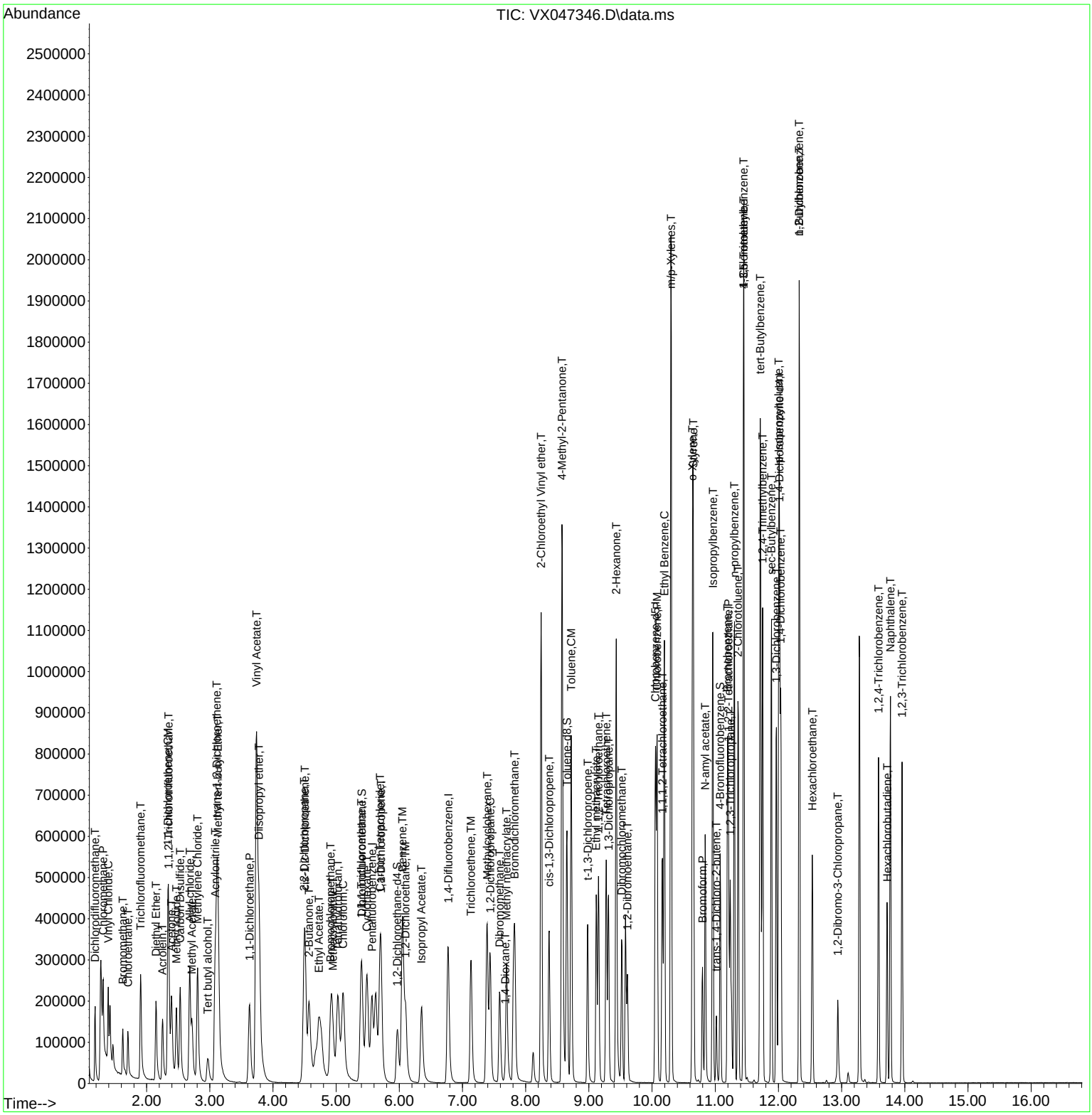
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Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

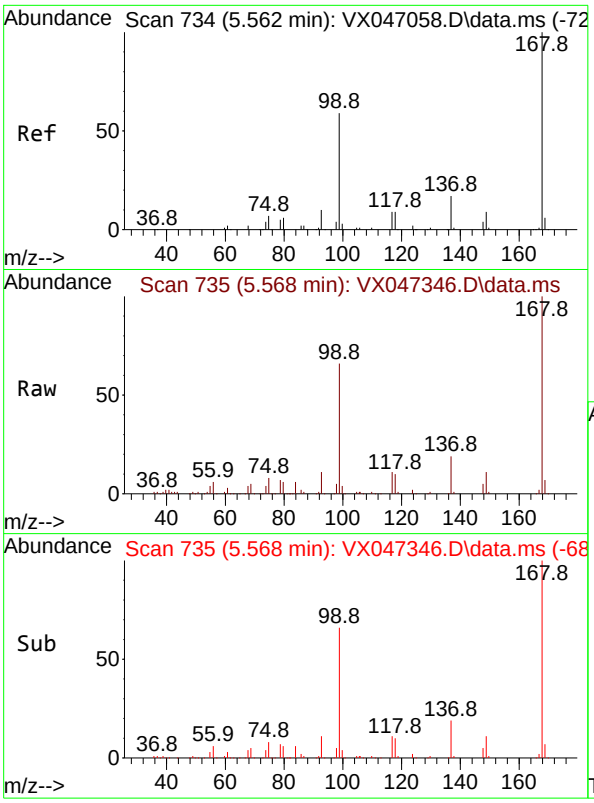
Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
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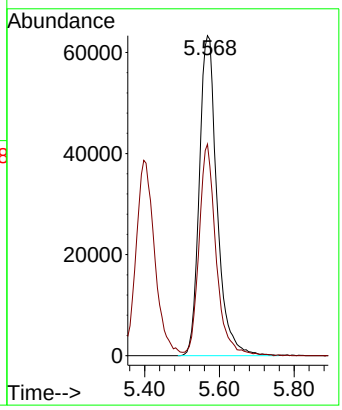




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:168 Resp: 20827

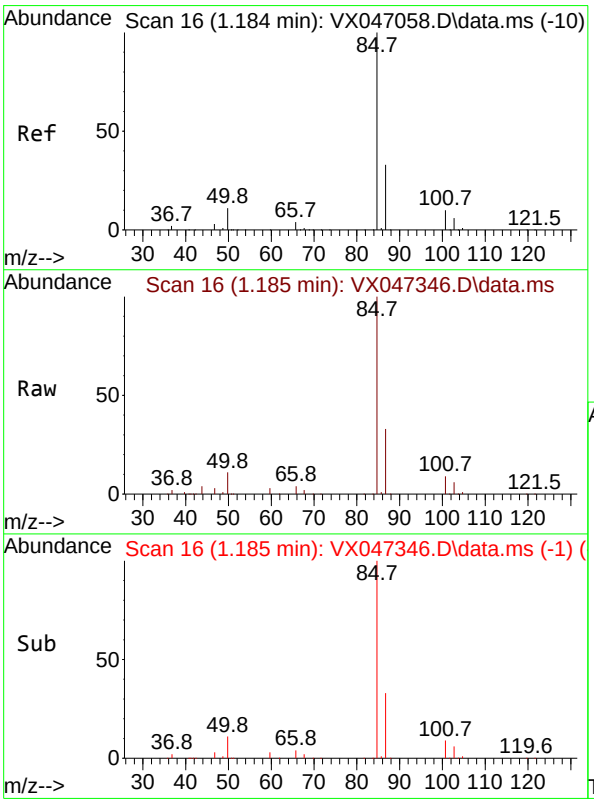
Ion	Ratio	Lower	Upper
168	100		
99	65.8	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

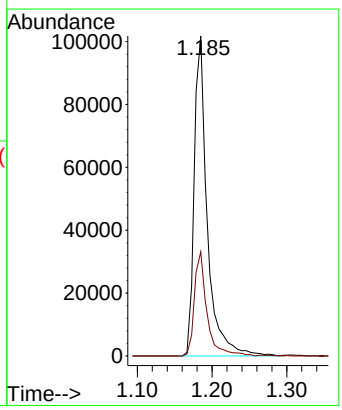
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

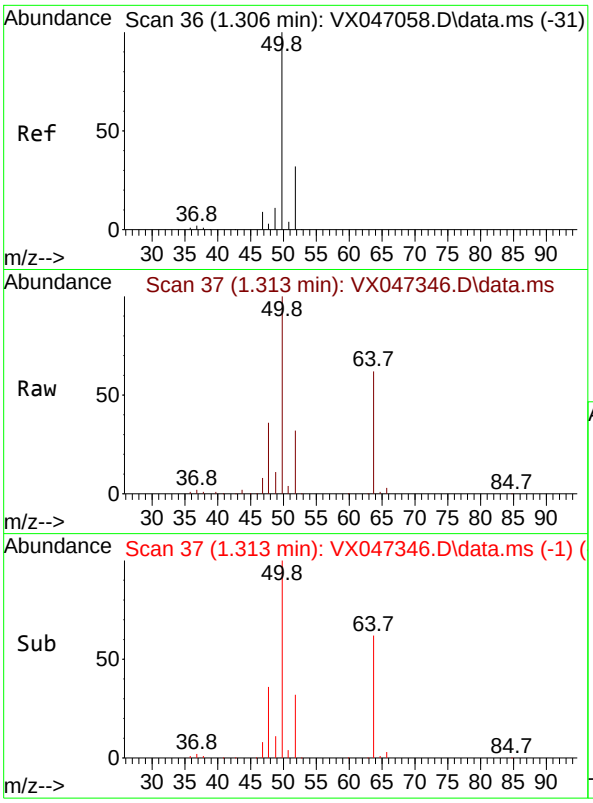


#2
Dichlorodifluoromethane
Concen: 44.552 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 85 Resp: 123251

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8

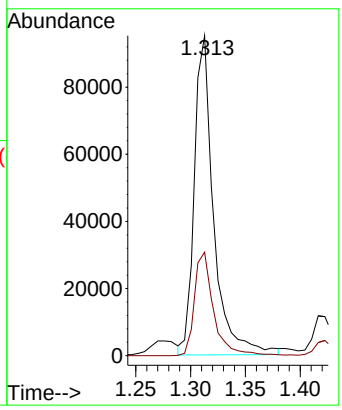




#3
Chloromethane
Concen: 42.674 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 50 Resp: 11677

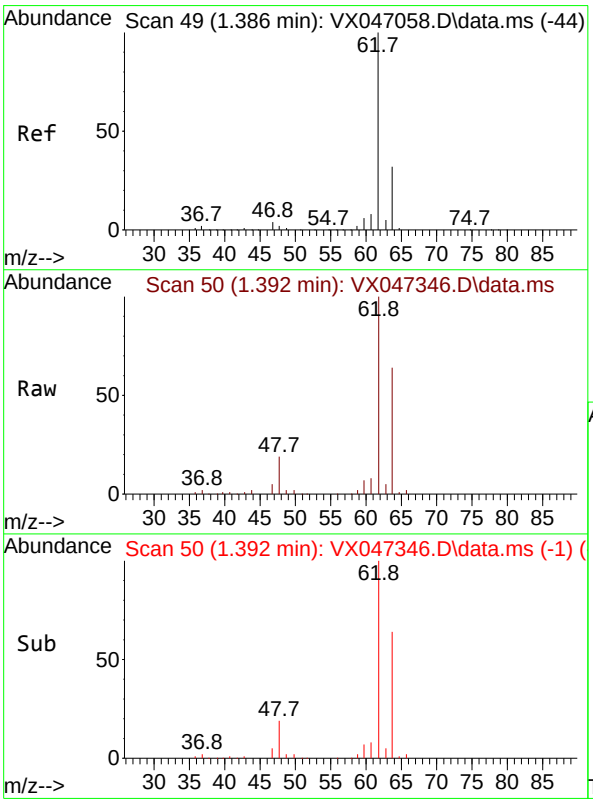
Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

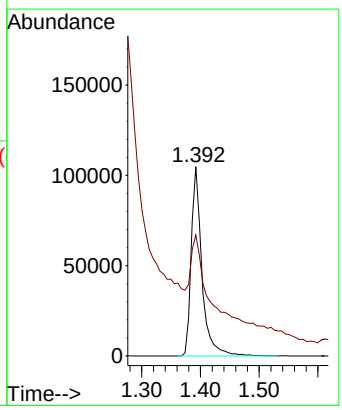
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

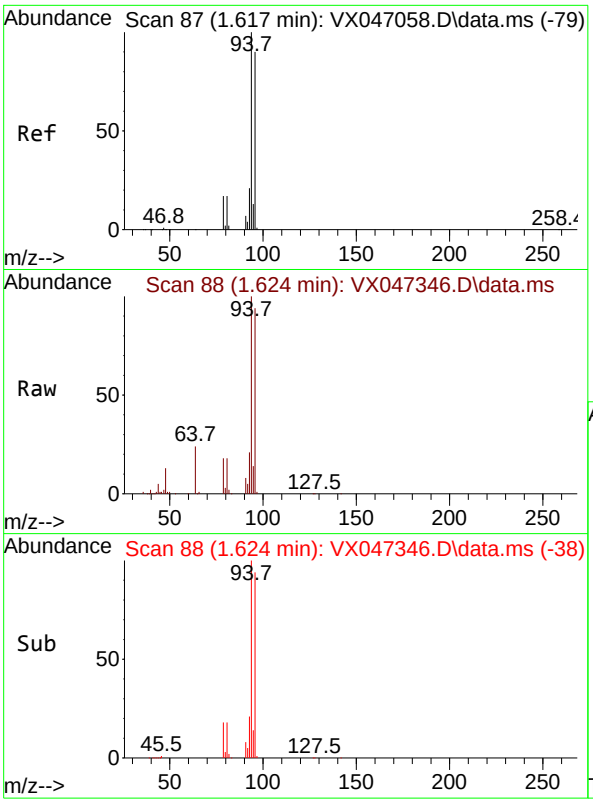


#4
Vinyl Chloride
Concen: 45.194 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 62 Resp: 132946

Ion	Ratio	Lower	Upper
62	100		
64	50.7	25.2	37.8#

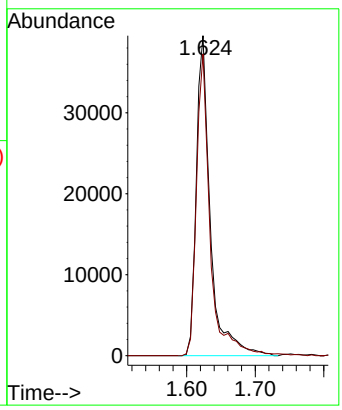




#5
Bromomethane
Concen: 35.133 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 94 Resp: 5614

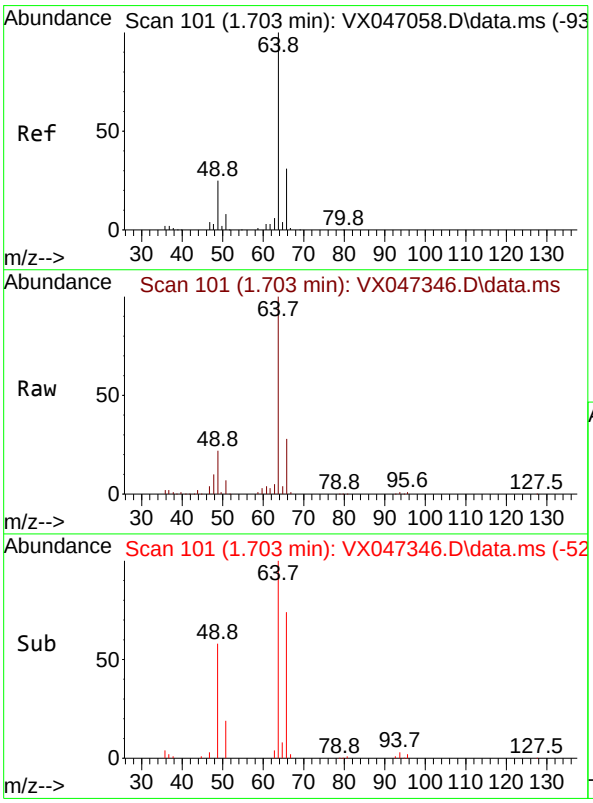
Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

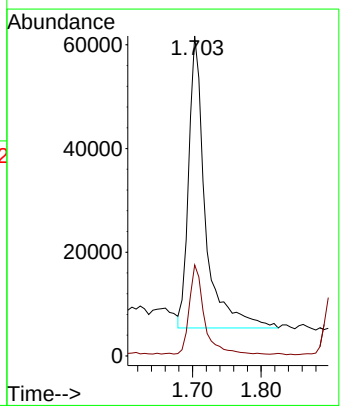
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

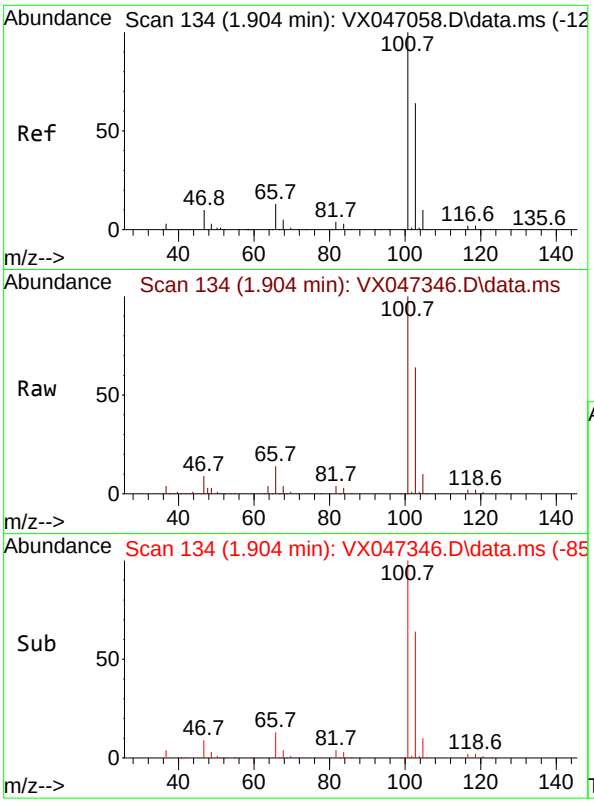


#6
Chloroethane
Concen: 49.260 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 64 Resp: 95172

Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.0	37.6





#7
Trichlorofluoromethane
Concen: 44.538 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

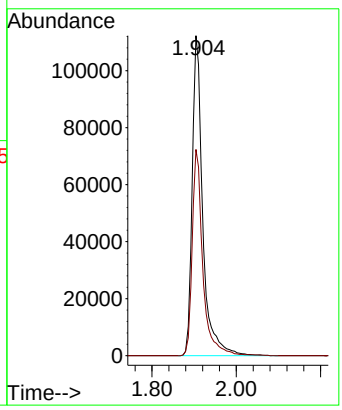
Tgt Ion:101 Resp: 19536

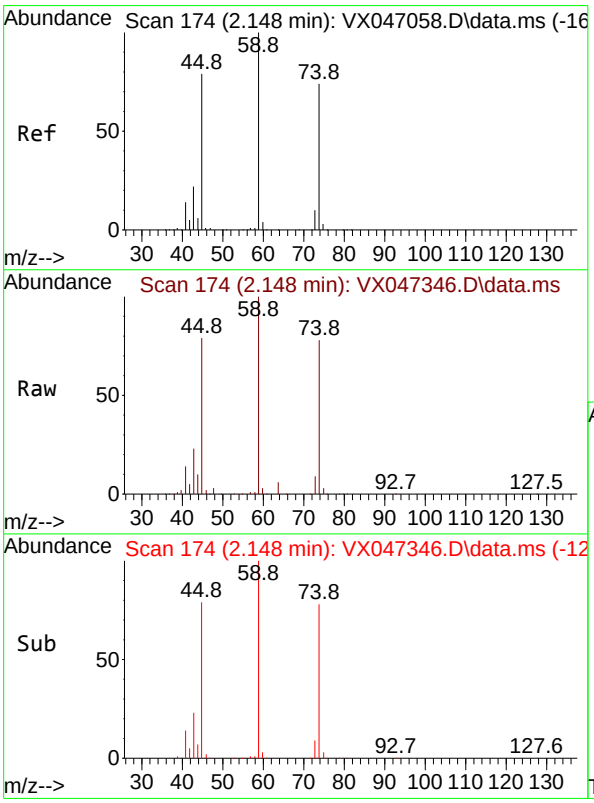
Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.9	76.3

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
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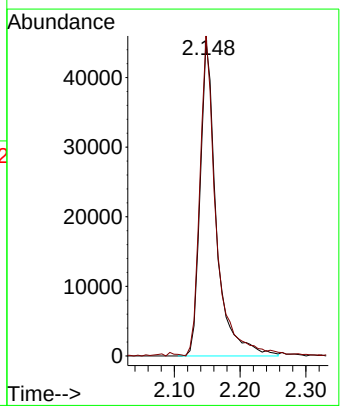


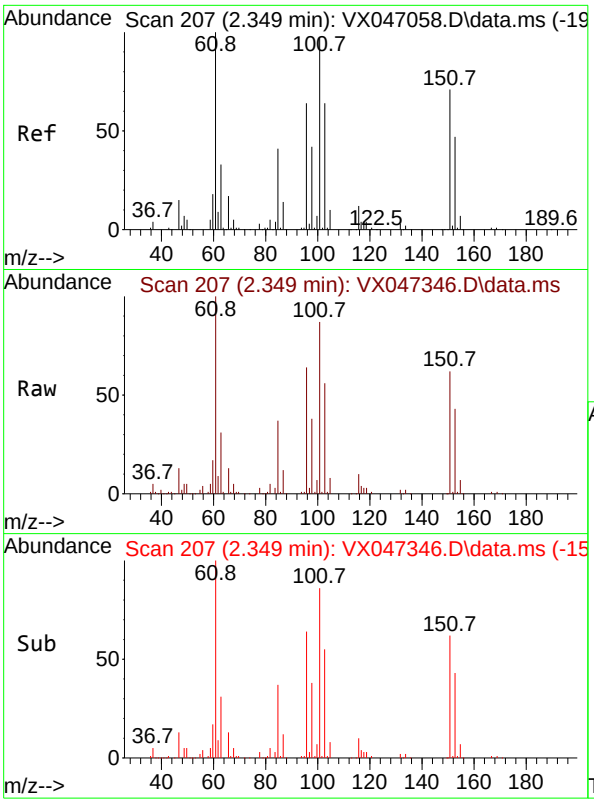


#8
Diethyl Ether
Concen: 50.082 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 74 Resp: 77456

Ion	Ratio	Lower	Upper
74	100		
45	102.7	53.0	159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.287 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

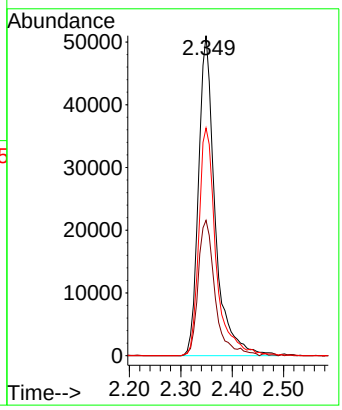
Tgt Ion:101 Resp: 11439

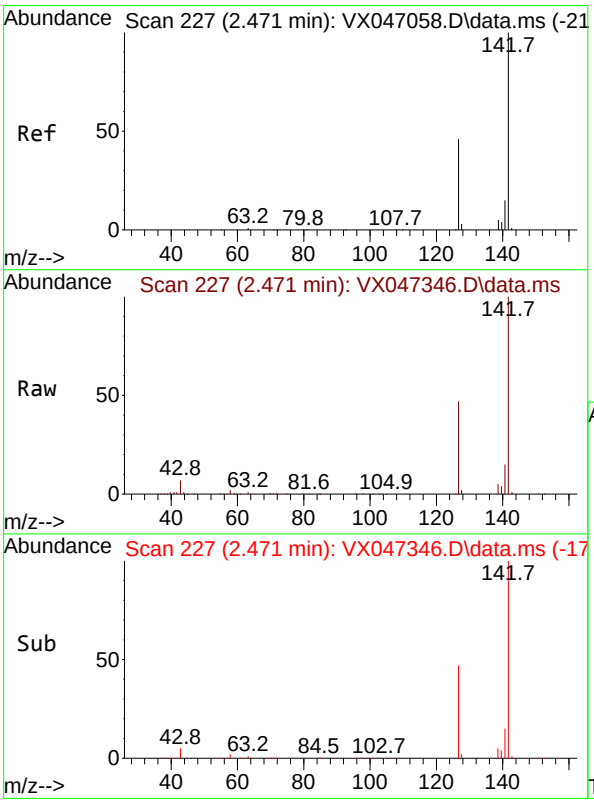
Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.4	53.0
151	73.7	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
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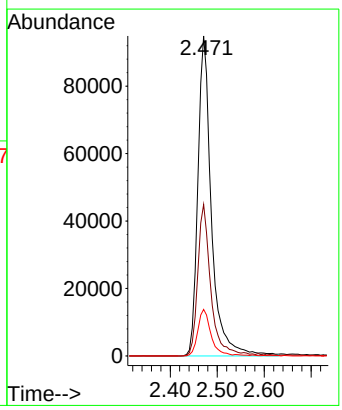


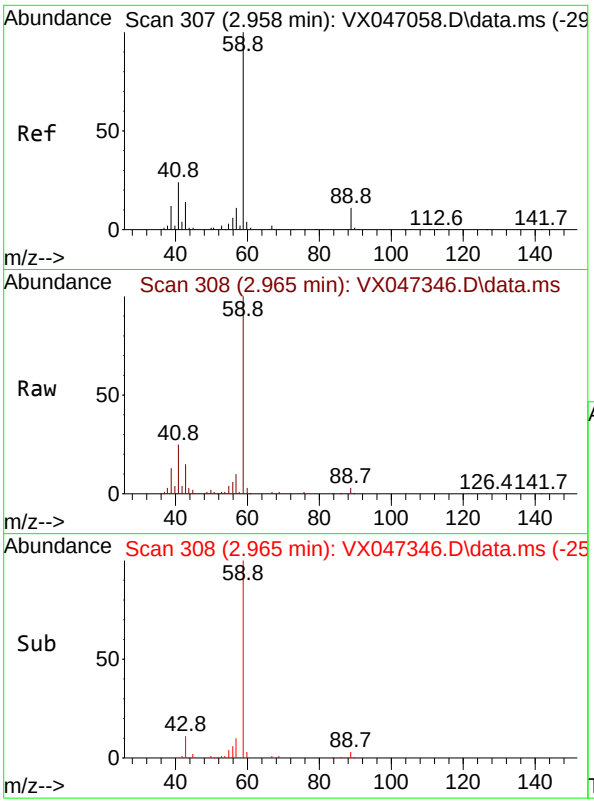


#10
Methyl Iodide
Concen: 71.083 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:142 Resp: 191452

Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.6	54.8
141	14.4	10.9	16.3

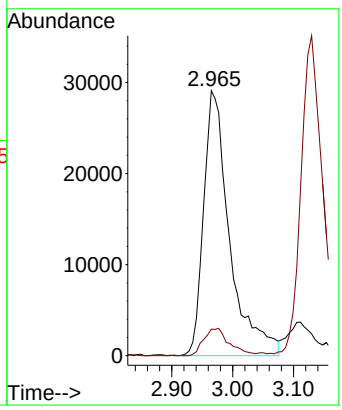




#11
Tert butyl alcohol
Concen: 287.013 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 59 Resp: 8658

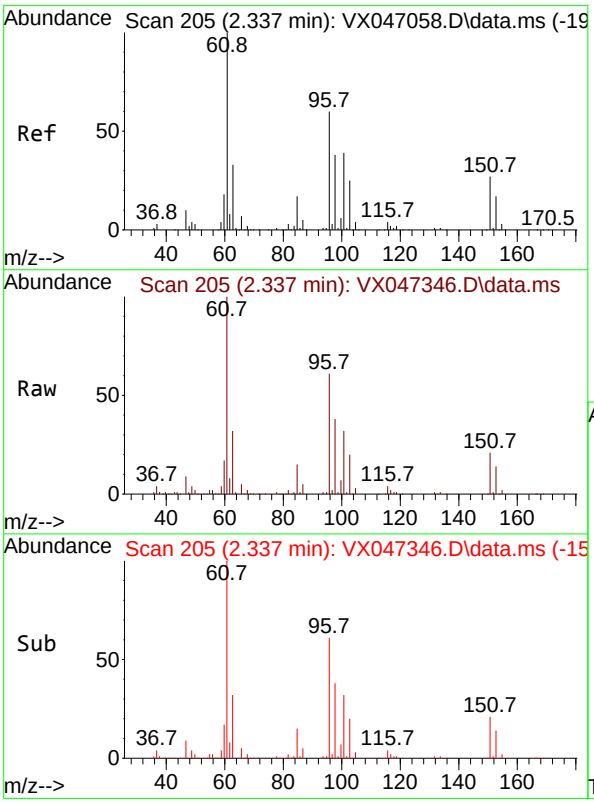
Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

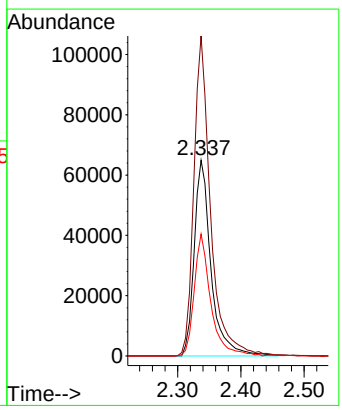
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

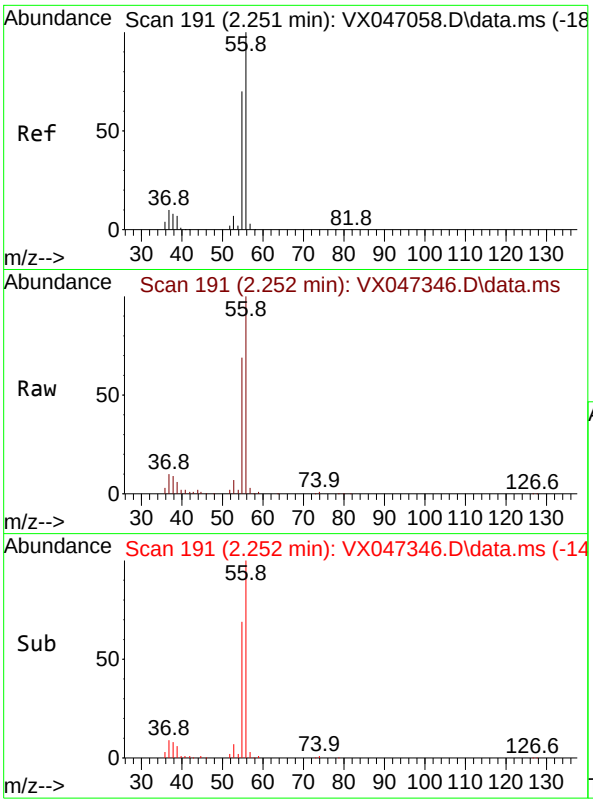


#12
1,1-Dichloroethene
Concen: 46.053 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 96 Resp: 120541

Ion	Ratio	Lower	Upper
96	100		
61	163.2	132.6	198.8
98	62.1	50.2	75.4

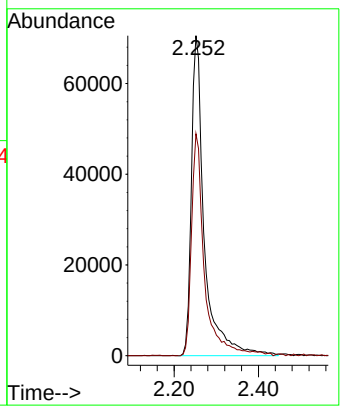




#13
Acrolein
Concen: 269.492 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 56 Resp: 15054

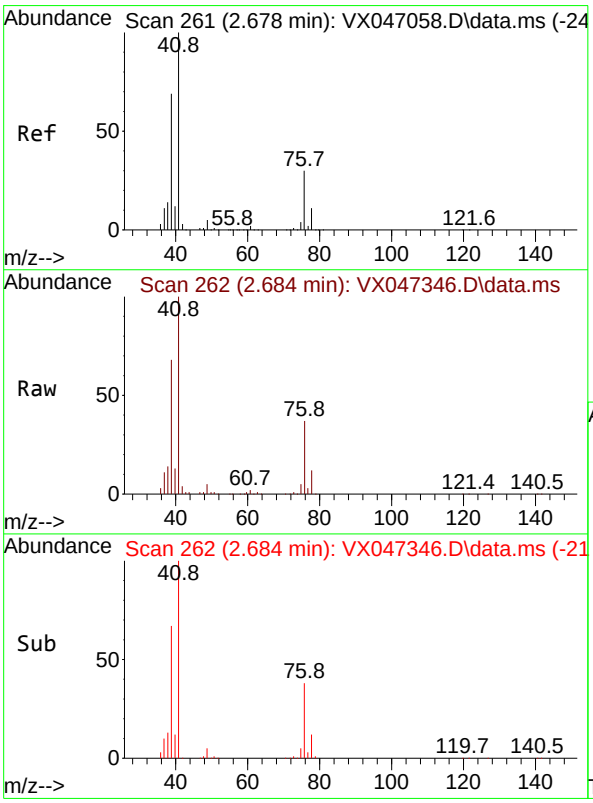
Ion	Ratio	Lower	Upper
56	100		
55	69.7	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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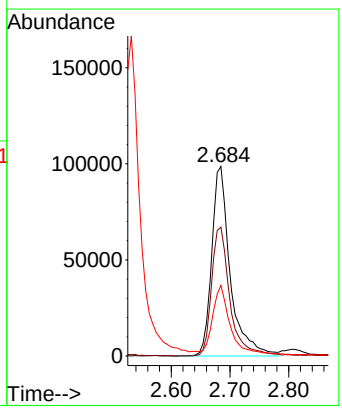
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

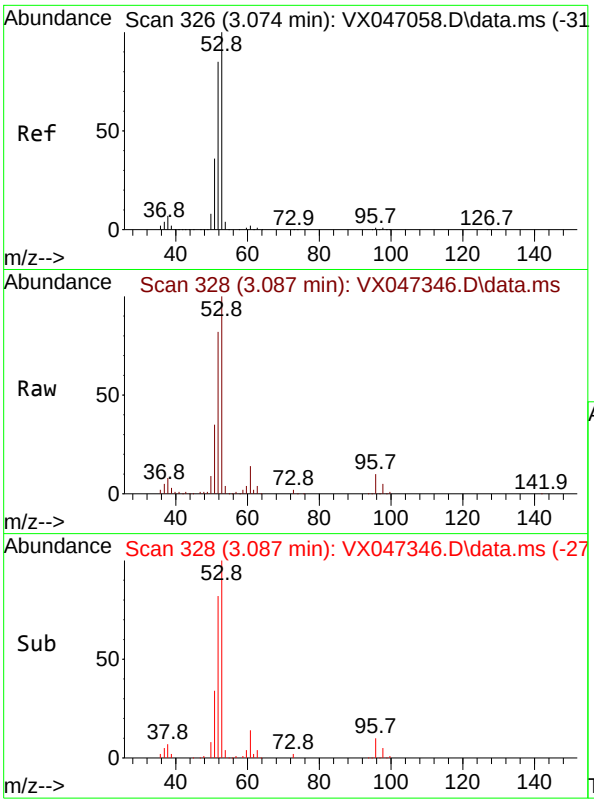


#14
Allyl chloride
Concen: 45.765 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 41 Resp: 216535

Ion	Ratio	Lower	Upper
41	100		
39	67.7	52.6	78.8
76	34.9	25.7	38.5





#15
Acrylonitrile
Concen: 280.605 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.013 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

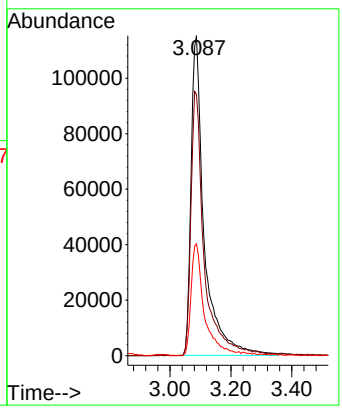
Tgt Ion: 53 Resp: 34721

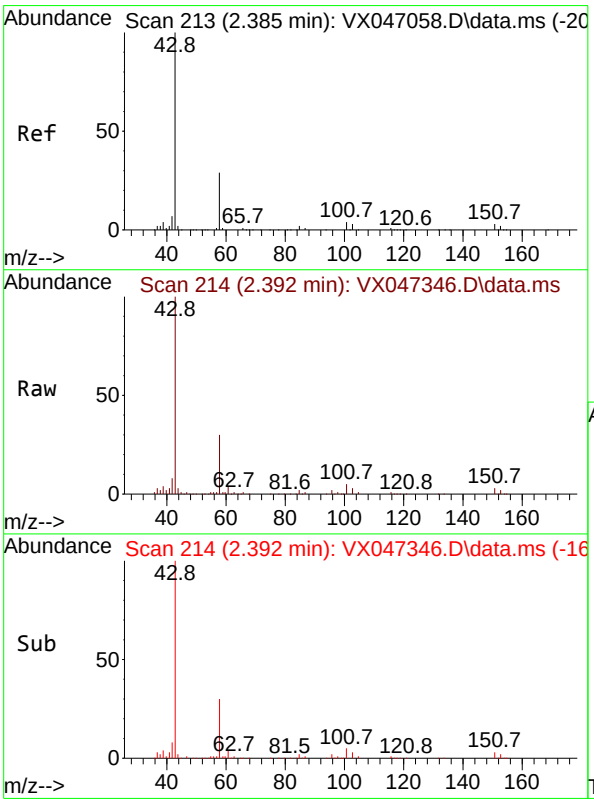
Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	35.1	28.8	43.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

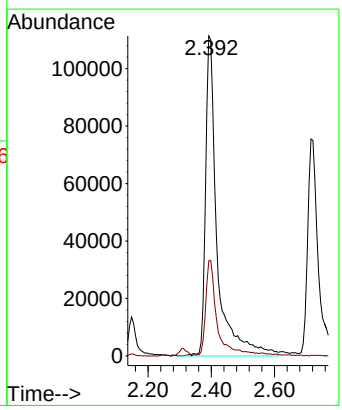


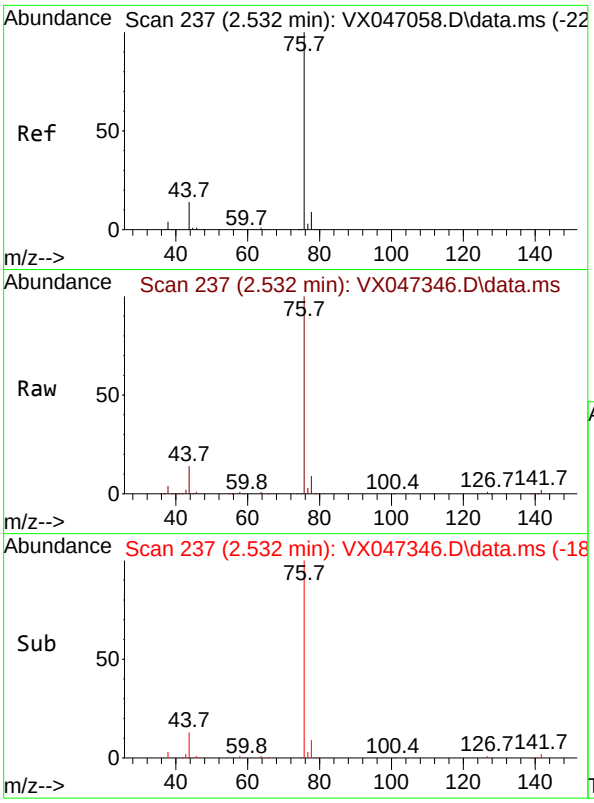


#16
Acetone
Concen: 274.381 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 43 Resp: 285180

Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.0	36.0





#17
Carbon Disulfide
Concen: 42.909 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

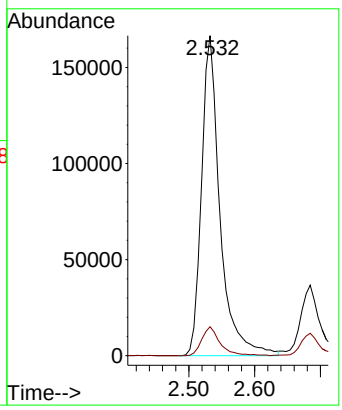
Tgt Ion: 76 Resp: 32491

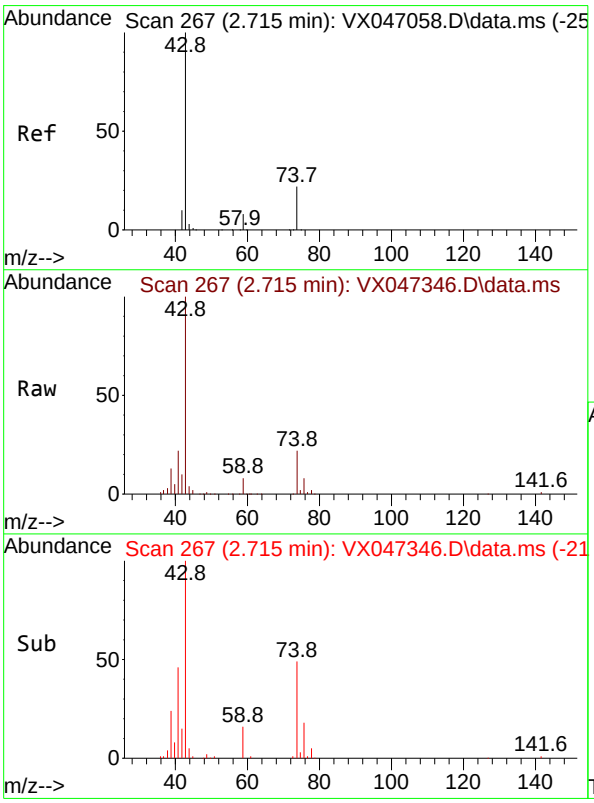
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

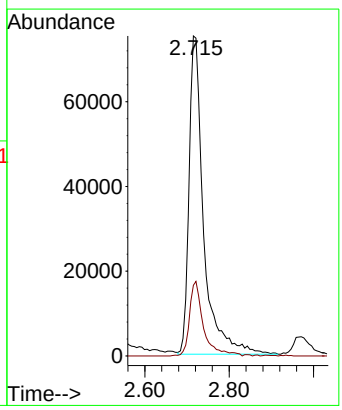


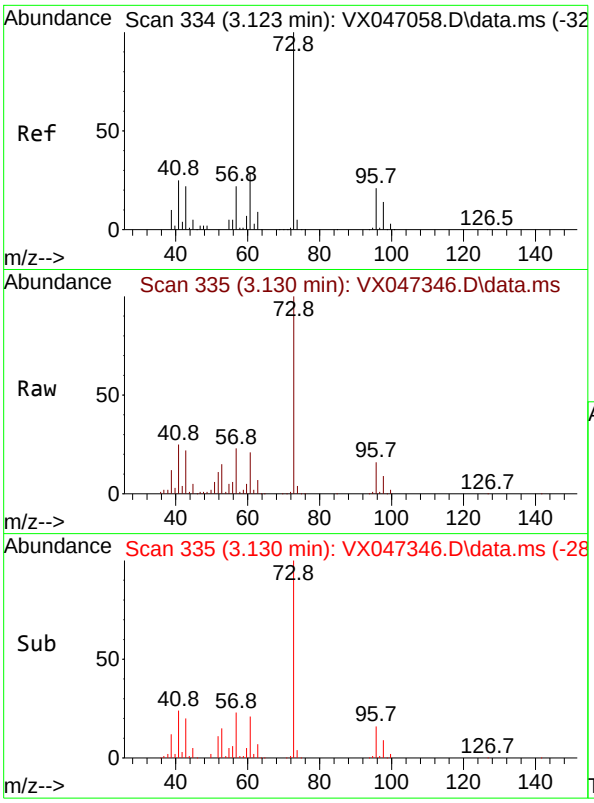


#18
Methyl Acetate
Concen: 65.409 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 43 Resp: 180663

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.7	26.5

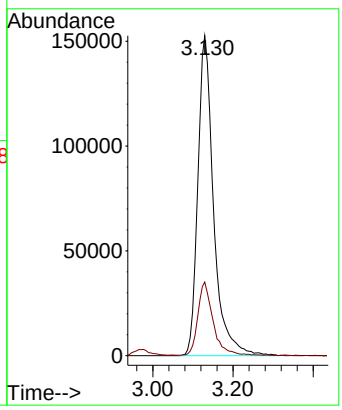




#19
Methyl tert-butyl Ether
Concen: 52.161 ug/l
RT: 3.130 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 73 Resp: 41551

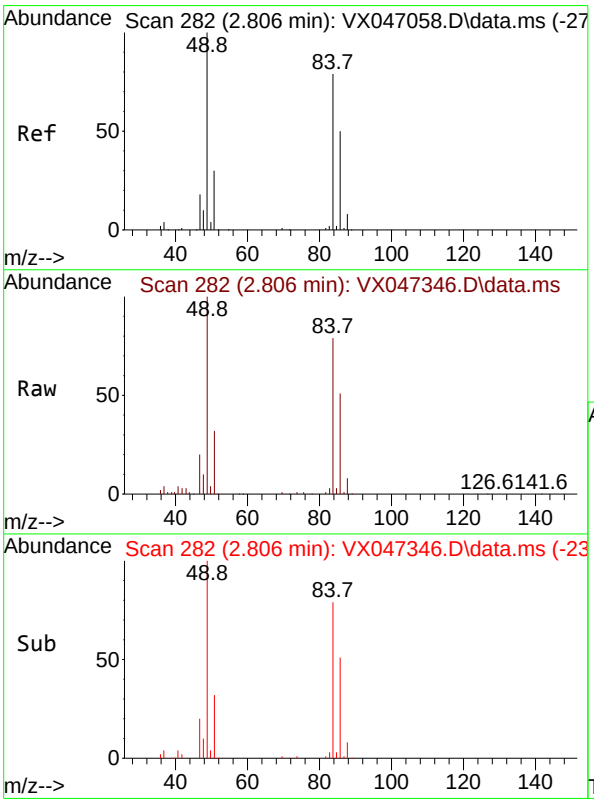
Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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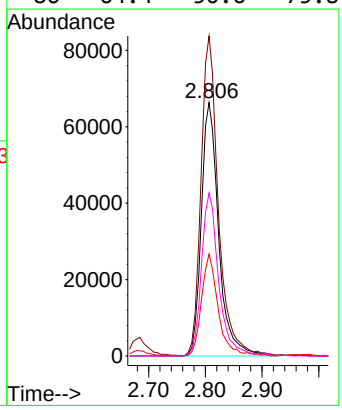
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

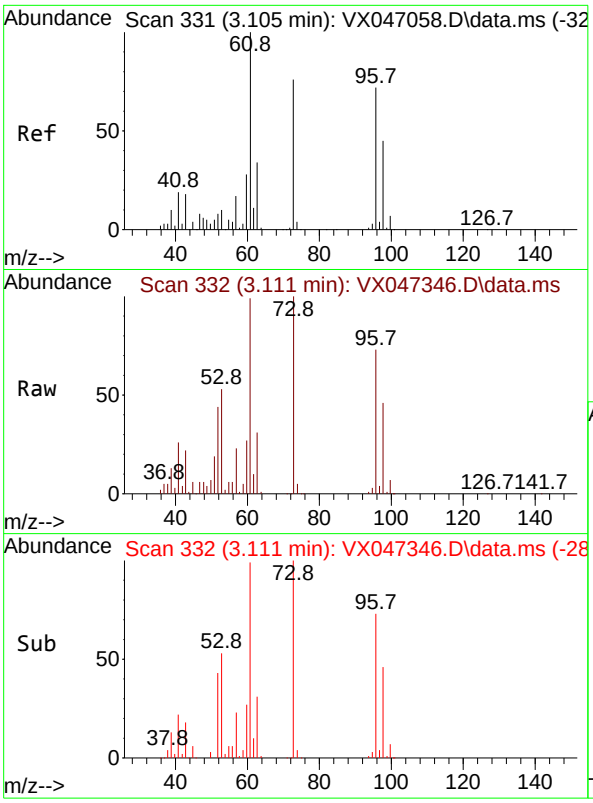


#20
Methylene Chloride
Concen: 49.279 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 84 Resp: 140906

Ion	Ratio	Lower	Upper
84	100		
49	126.1	101.6	152.4
51	40.1	30.3	45.5
86	64.4	50.6	75.8

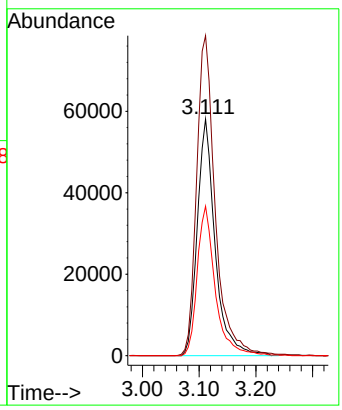




#21
trans-1,2-Dichloroethene
Concen: 47.436 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 96 Resp: 12705

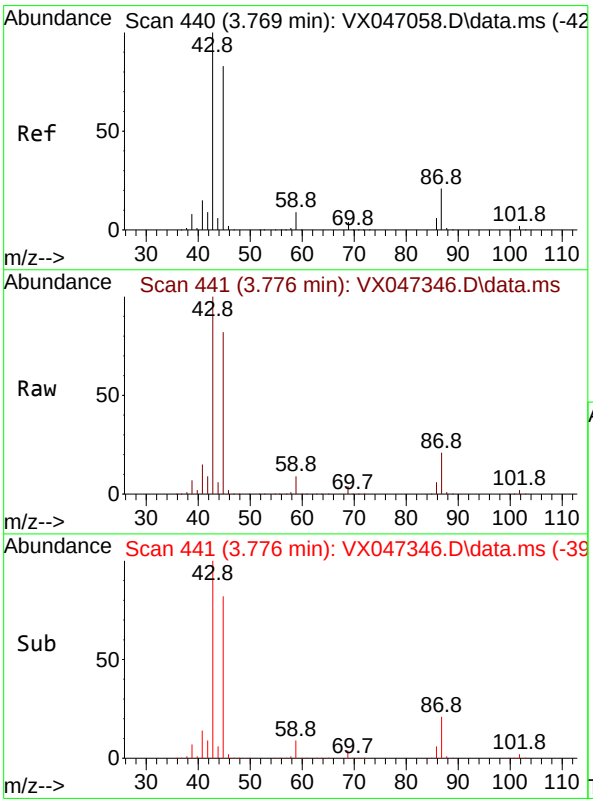
Ion	Ratio	Lower	Upper
96	100		
61	135.1	111.1	166.7
98	63.2	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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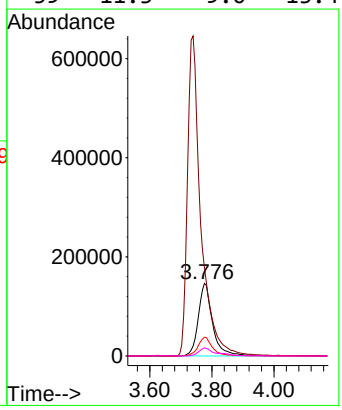
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

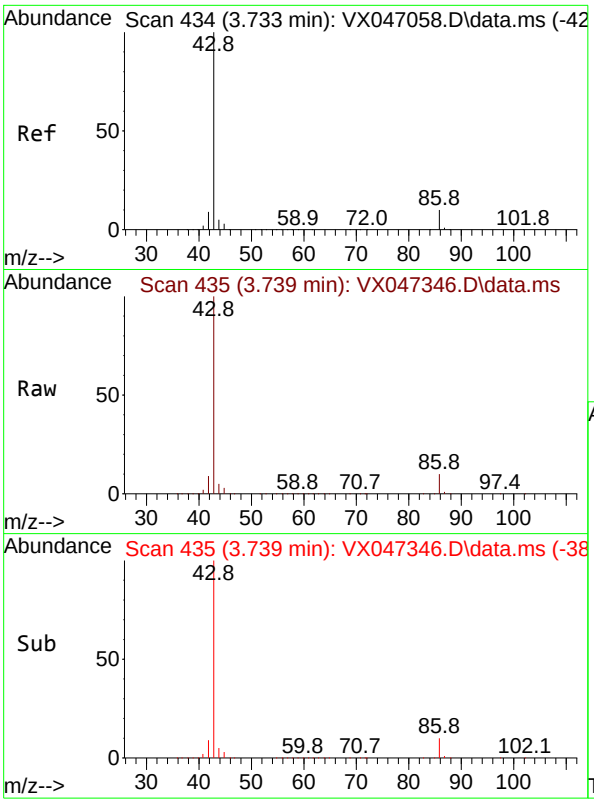


#22
Diisopropyl ether
Concen: 51.450 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 45 Resp: 468017

Ion	Ratio	Lower	Upper
45	100		
43	121.0	96.8	145.2
87	25.8	20.5	30.7
59	11.3	9.0	13.4





#23
Vinyl Acetate
Concen: 267.249 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

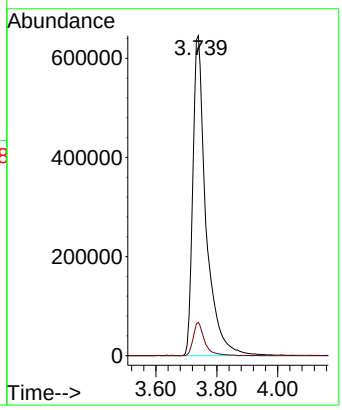
Tgt Ion: 43 Resp: 194987

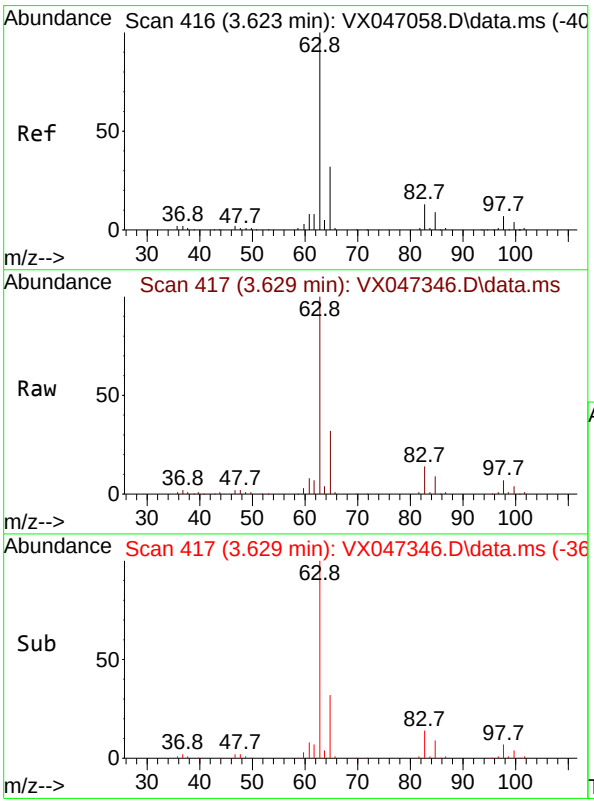
Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

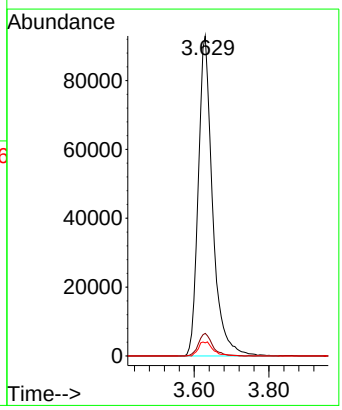


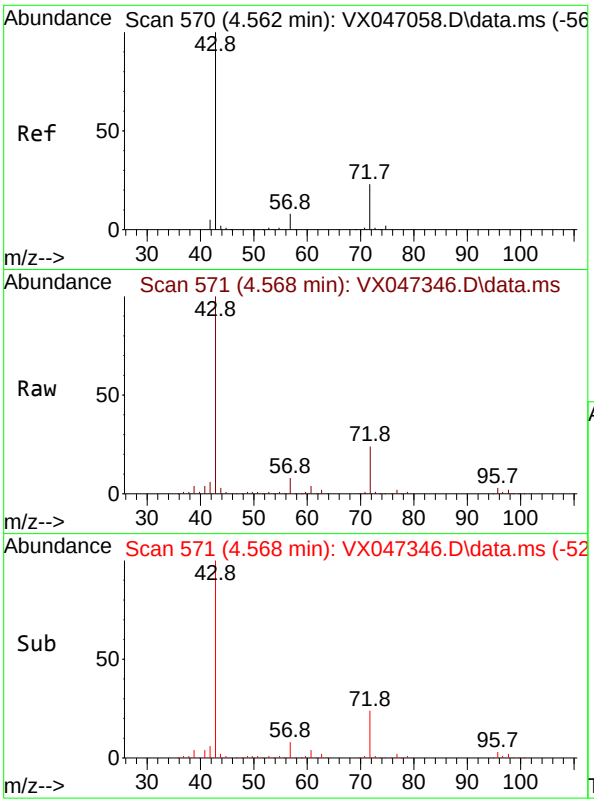


#24
1,1-Dichloroethane
Concen: 48.604 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 63 Resp: 245858

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.6	10.8
100	4.1	2.3	6.8

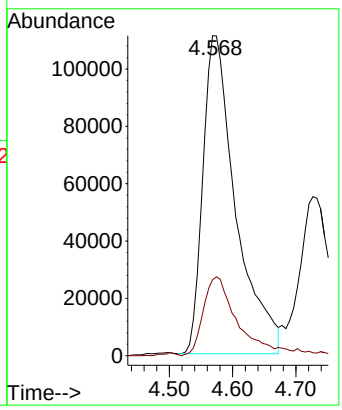




#25
2-Butanone
Concen: 264.931 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 43 Resp: 40094

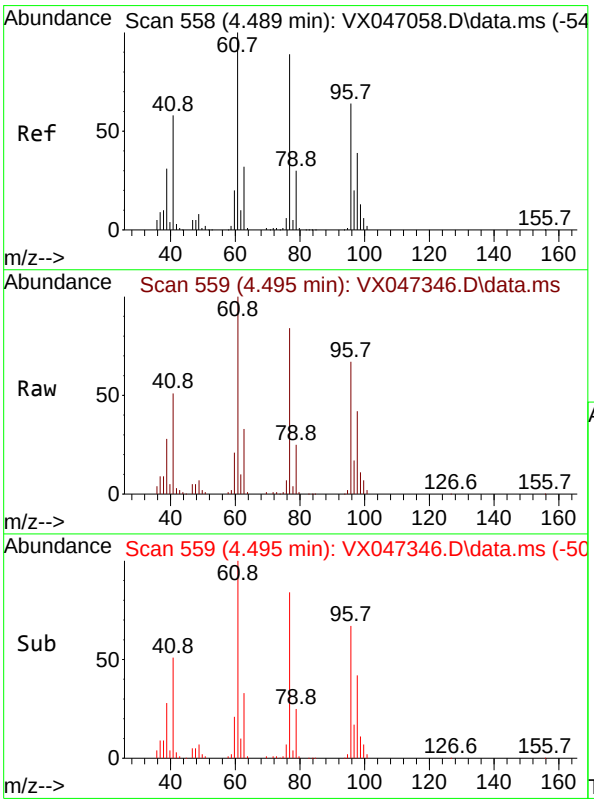
Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

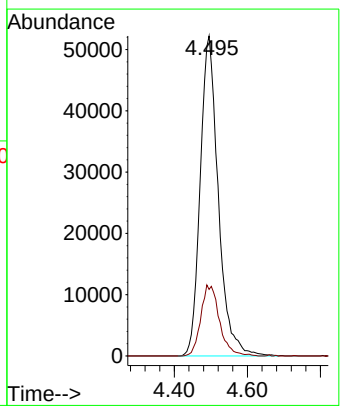
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

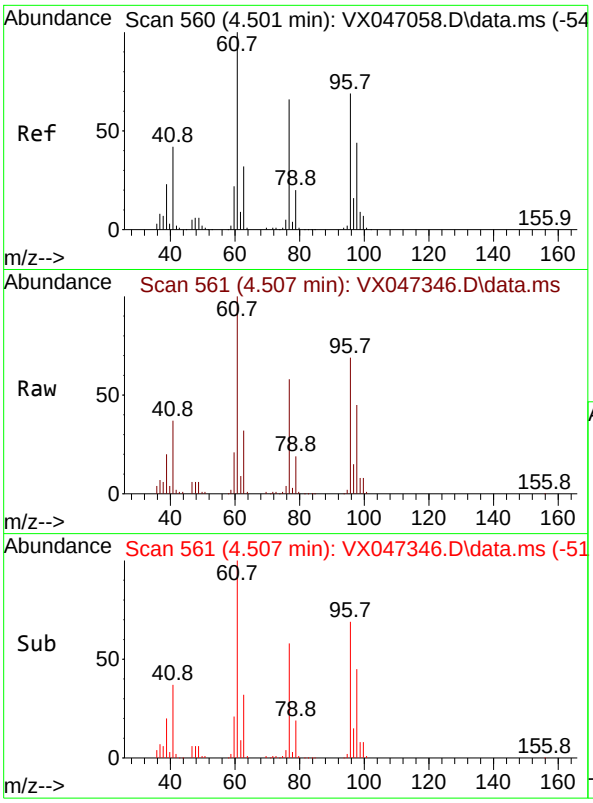


#26
2,2-Dichloropropane
Concen: 45.732 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 77 Resp: 179072

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.4	34.1

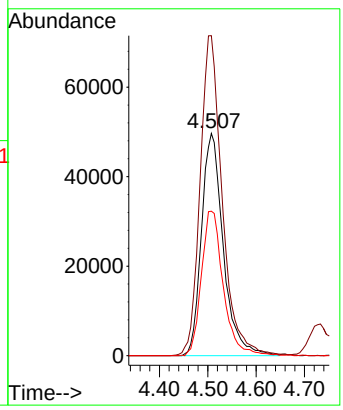




#27
cis-1,2-Dichloroethene
Concen: 49.009 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 96 Resp: 15544

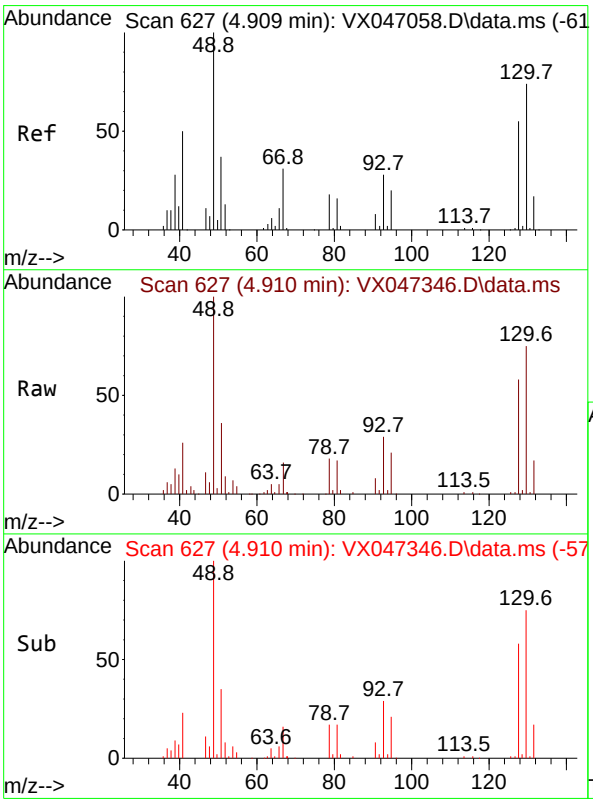
Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	298.6
98	65.2	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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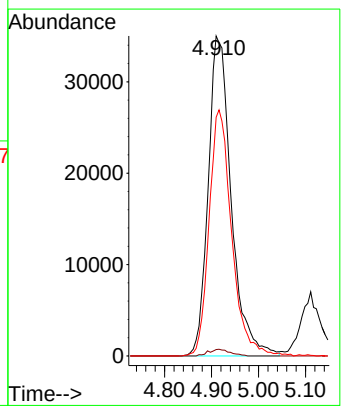
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

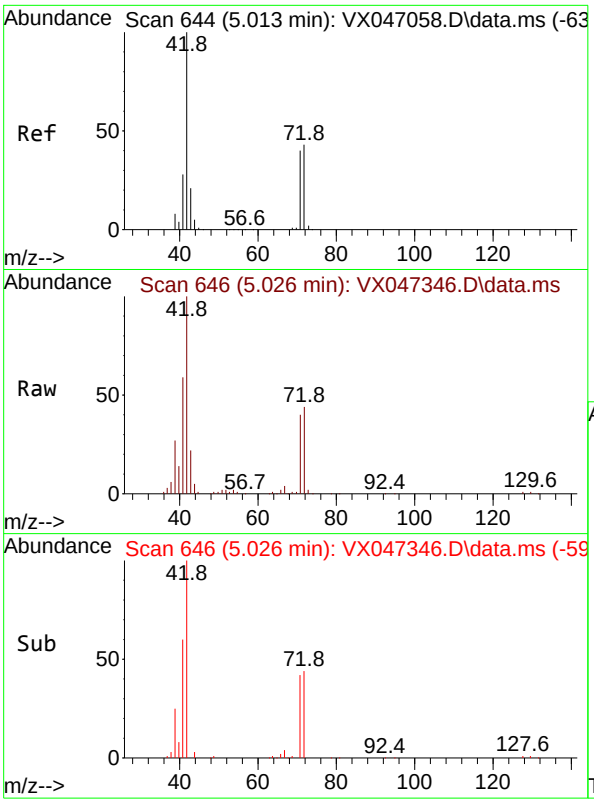


#28
Bromochloromethane
Concen: 51.172 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 49 Resp: 119086

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	75.5	59.0	88.4





#29
Tetrahydrofuran
Concen: 273.186 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.013 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

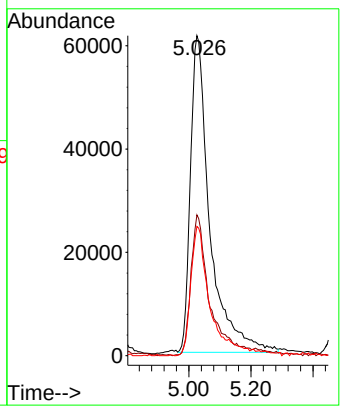
Tgt Ion: 42 Resp: 26675

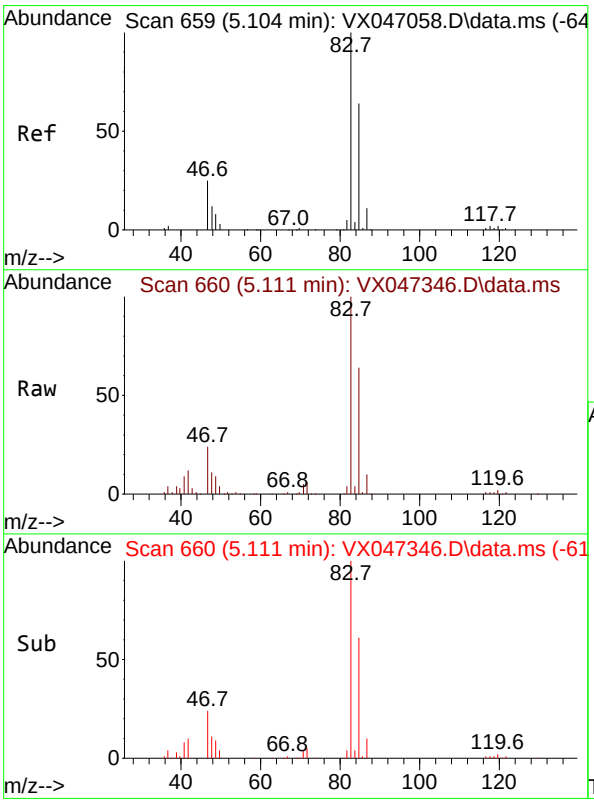
Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.7	50.5
71	40.3	31.0	46.4

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

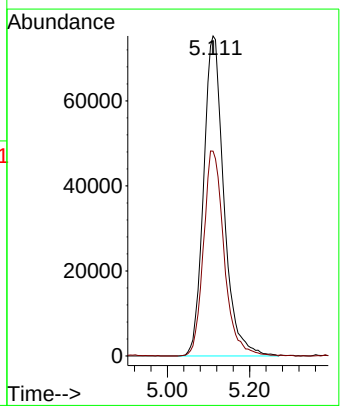


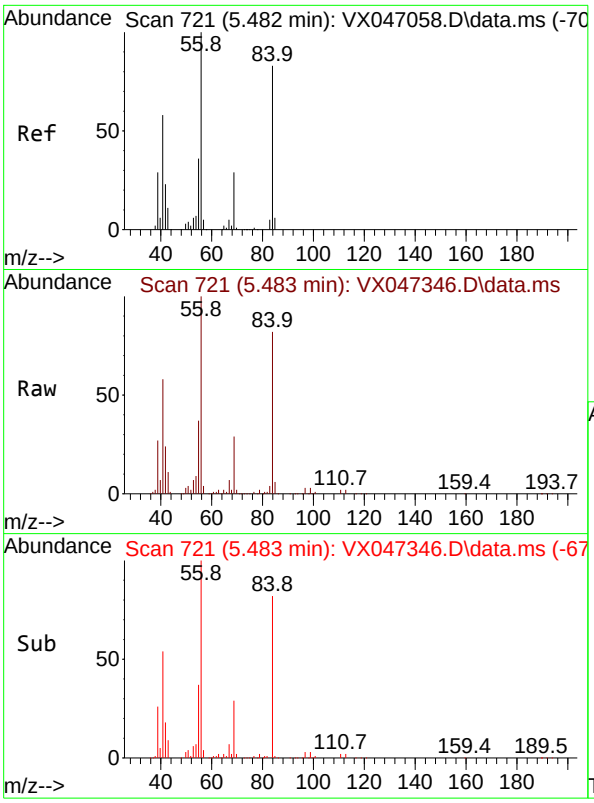


#30
Chloroform
Concen: 50.059 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 83 Resp: 257758

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.9	76.3

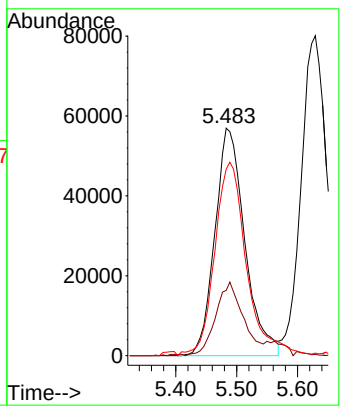




#31
Cyclohexane
Concen: 40.057 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 56 Resp: 19428

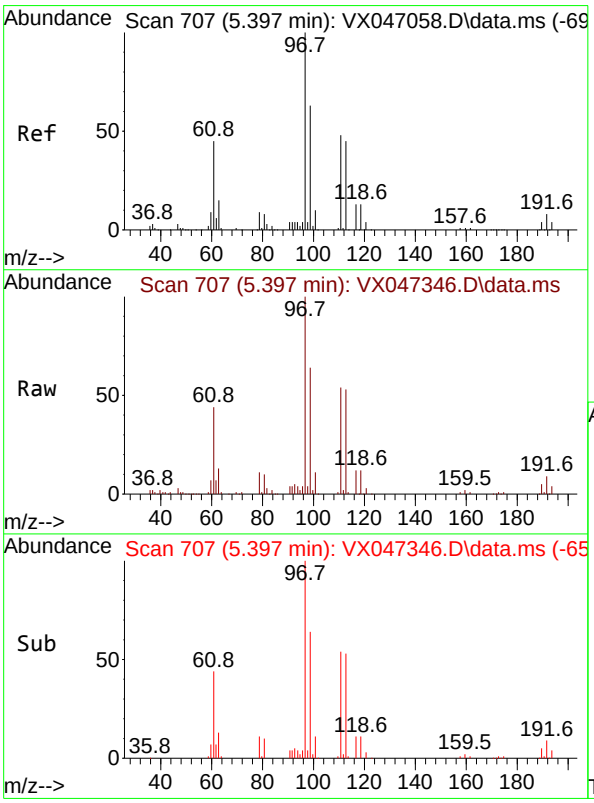
Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.3	34.9
84	82.0	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

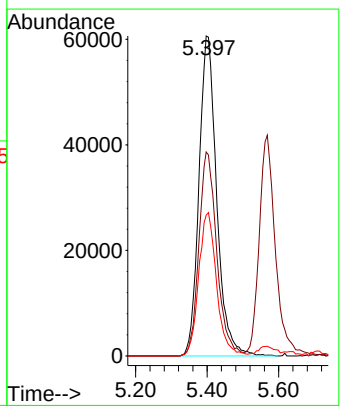
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

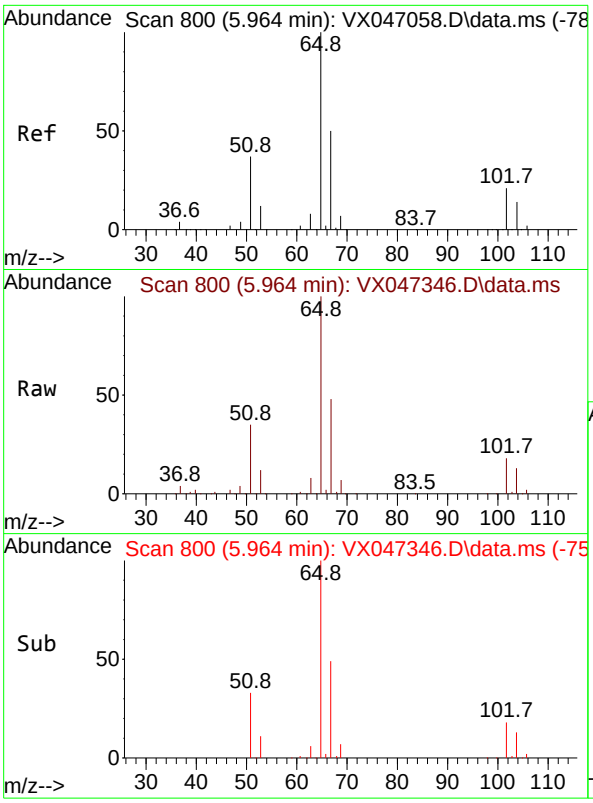


#32
1,1,1-Trichloroethane
Concen: 46.599 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 97 Resp: 208412

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	45.3	37.1	55.7

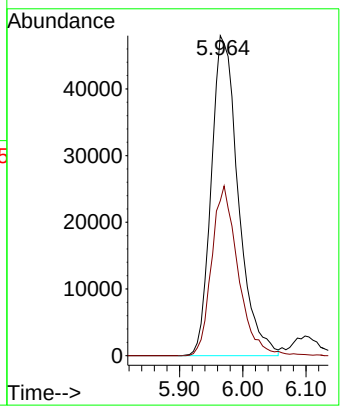




#33
1,2-Dichloroethane-d4
Concen: 54.745 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 65 Resp: 14203

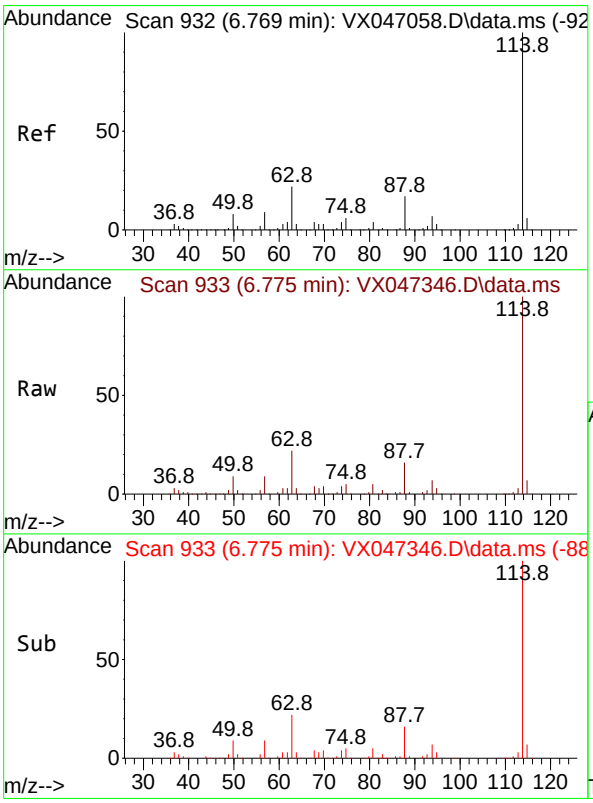
Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

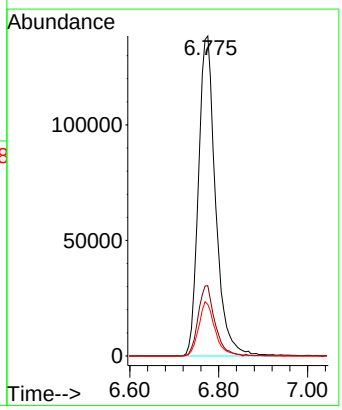
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

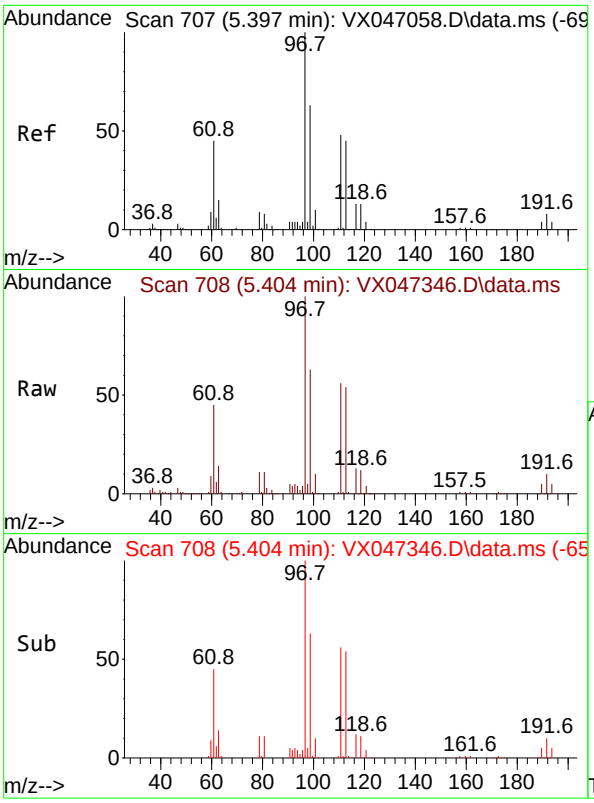


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:114 Resp: 371282

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.2
88	16.1	0.0	33.8

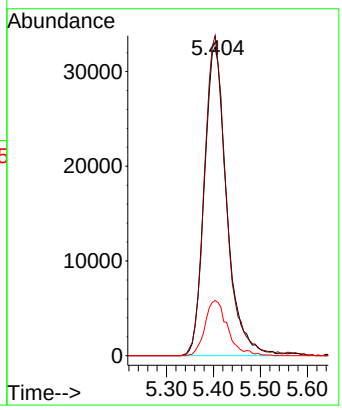




#35
Dibromofluoromethane
Concen: 47.213 ug/l
RT: 5.404 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:113 Resp: 10823

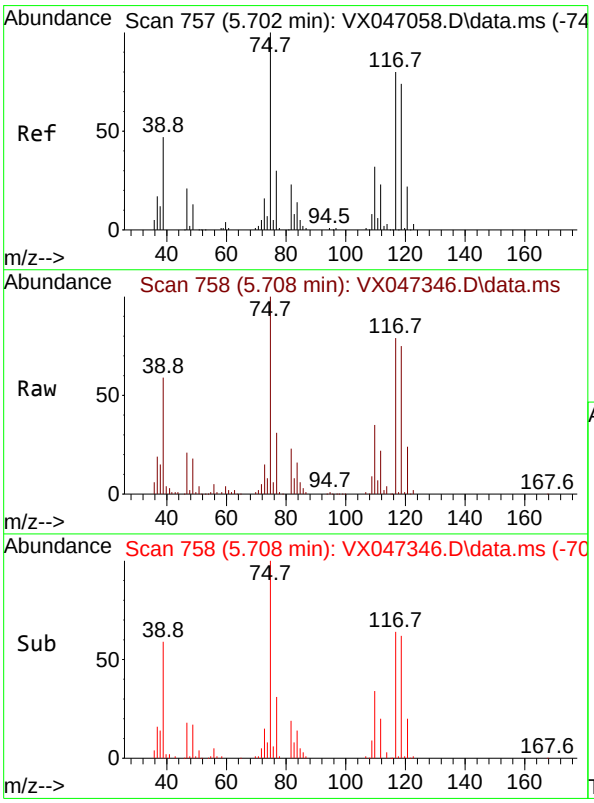
Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	124.0
192	18.1	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

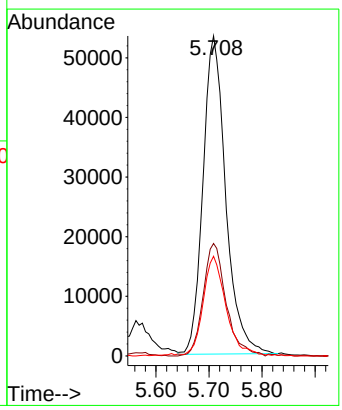
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

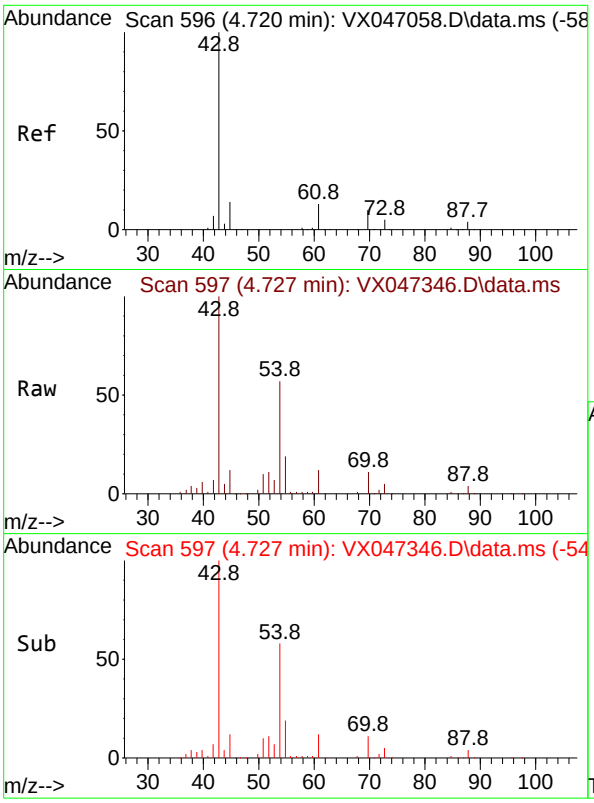


#36
1,1-Dichloropropene
Concen: 40.742 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 75 Resp: 159206

Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.2	51.5
77	30.9	25.1	37.7

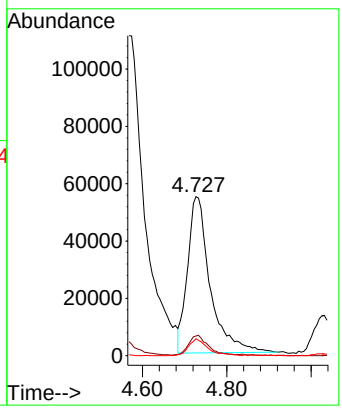




#37
Ethyl Acetate
Concen: 56.537 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 43 Resp: 20357

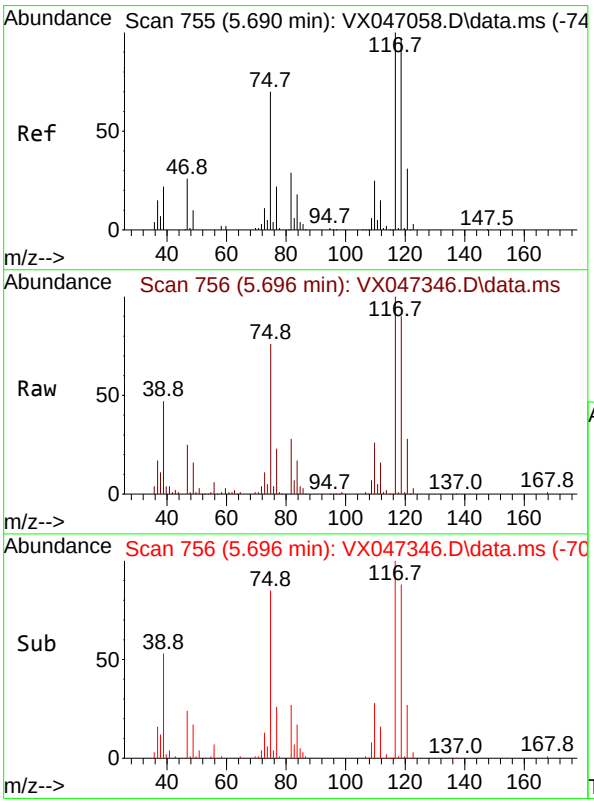
Ion	Ratio	Lower	Upper
43	100		
61	10.6	10.2	15.2
70	9.1	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

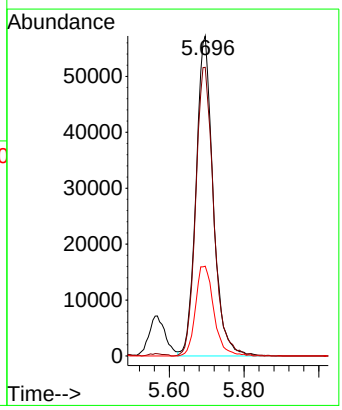
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

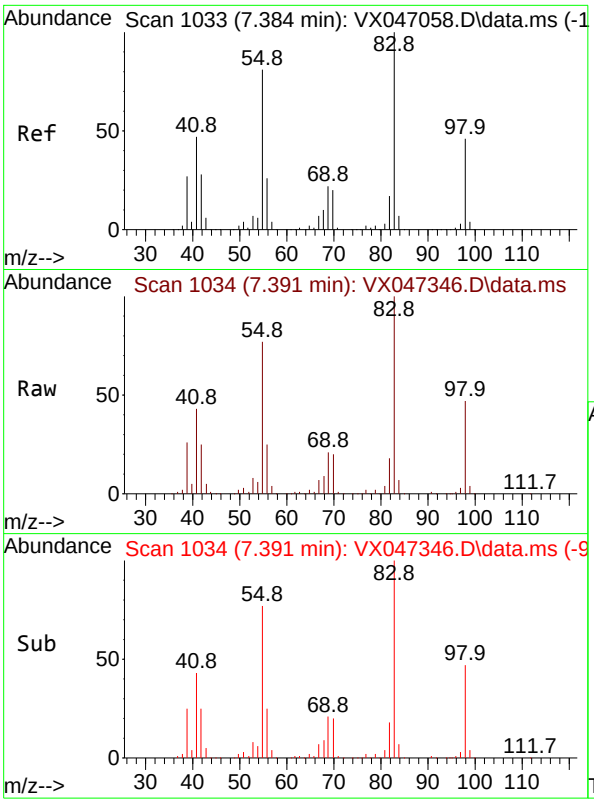


#38
Carbon Tetrachloride
Concen: 43.627 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:117 Resp: 181954

Ion	Ratio	Lower	Upper
117	100		
119	90.1	76.6	115.0
121	28.1	24.4	36.6

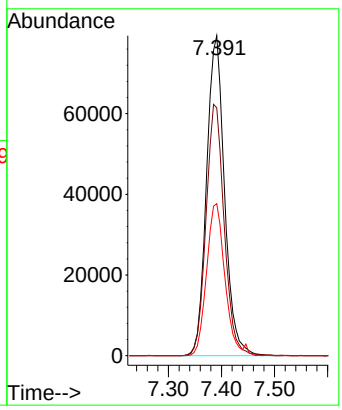




#39
Methylcyclohexane
Concen: 38.272 ug/l
RT: 7.391 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 83 Resp: 18672

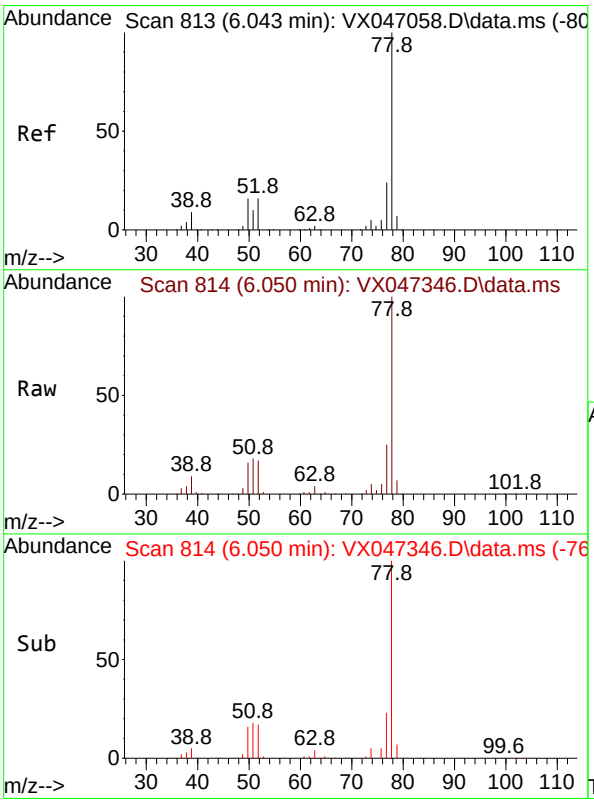
Ion	Ratio	Lower	Upper
83	100		
55	77.5	64.5	96.7
98	47.5	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

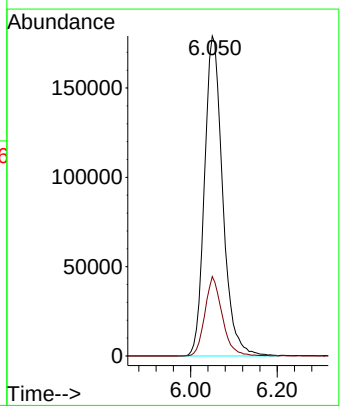
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

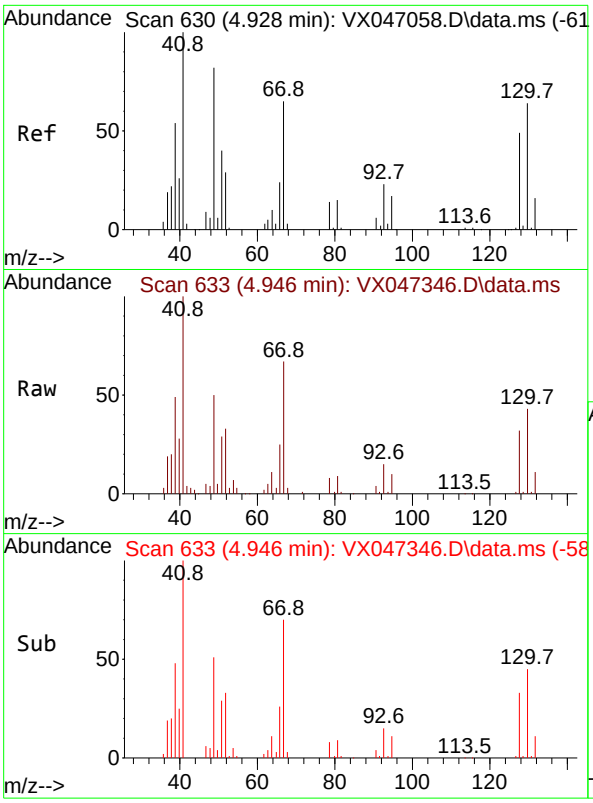


#40
Benzene
Concen: 46.260 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 78 Resp: 523138

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.4

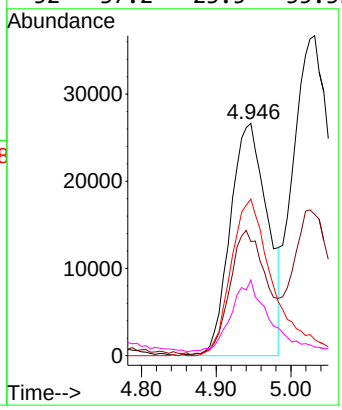




#41
Methacrylonitrile
Concen: 48.853 ug/l
RT: 4.946 min Scan# 6
Delta R.T. 0.019 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 41 Resp: 9197

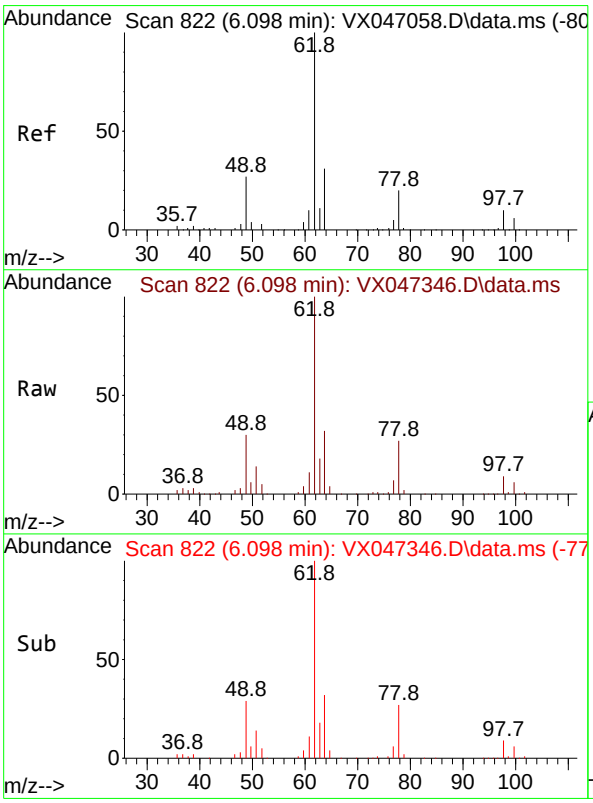
Ion	Ratio	Lower	Upper
41	100		
39	53.8	44.2	66.2
67	77.2	56.4	84.6
52	37.2	23.5	35.3#



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

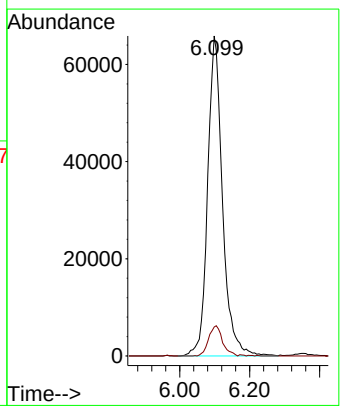
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

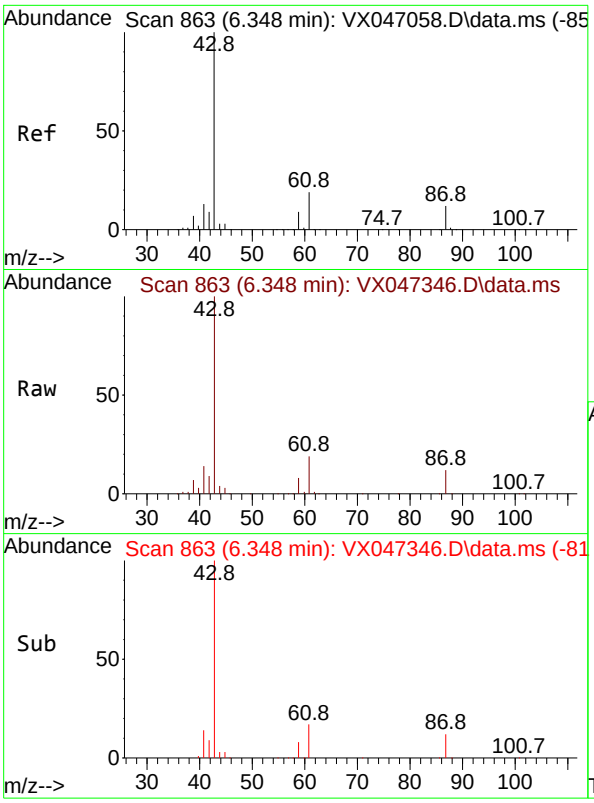


#42
1,2-Dichloroethane
Concen: 48.749 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 62 Resp: 194195

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.8

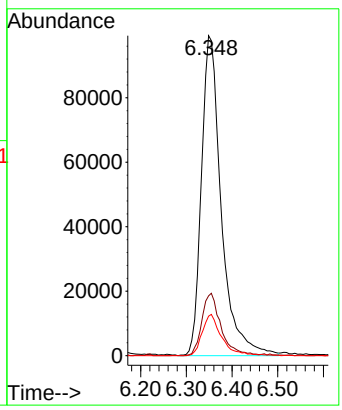




#43
Isopropyl Acetate
Concen: 53.447 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 43 Resp: 30001

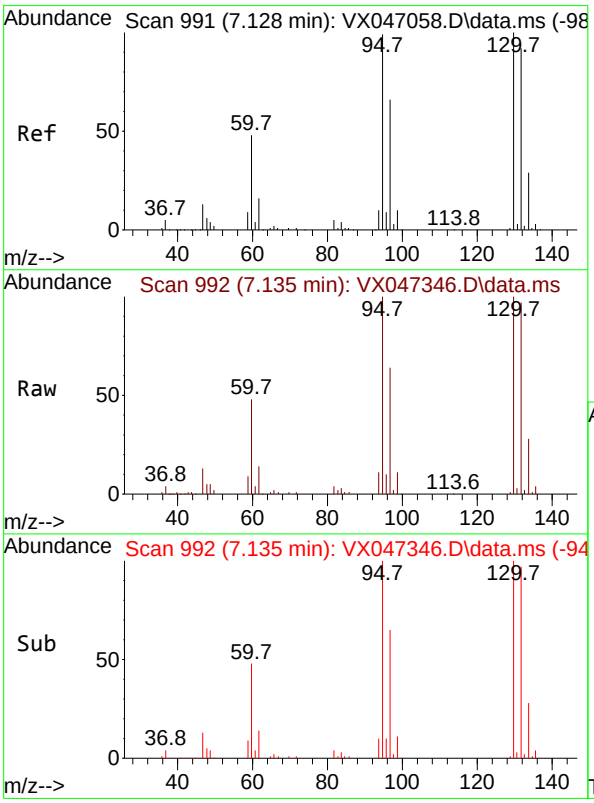
Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	12.6	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

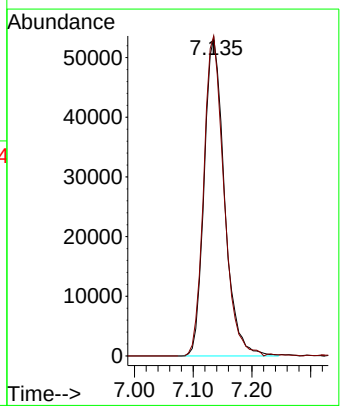
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

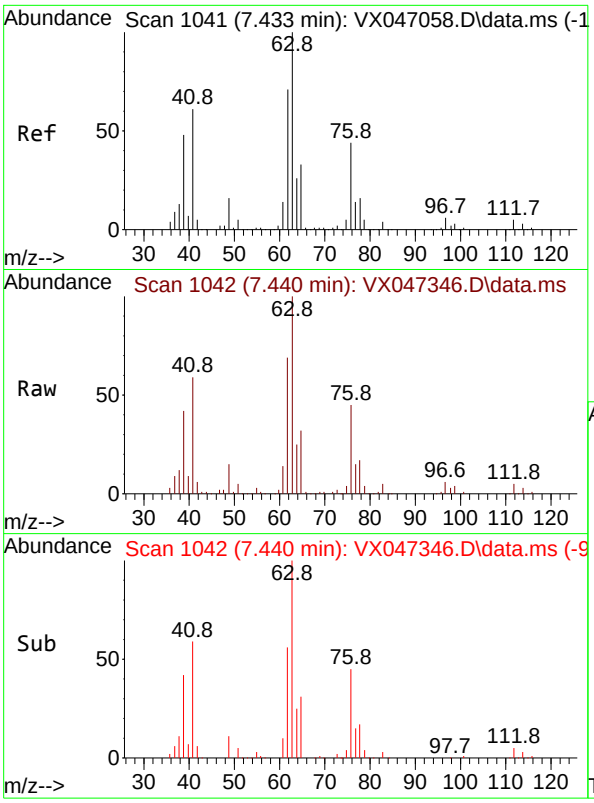


#44
Trichloroethene
Concen: 44.020 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:130 Resp: 127653

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	198.6

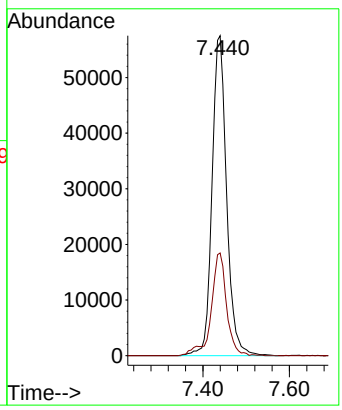




#45
1,2-Dichloropropane
Concen: 47.350 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 63 Resp: 13411

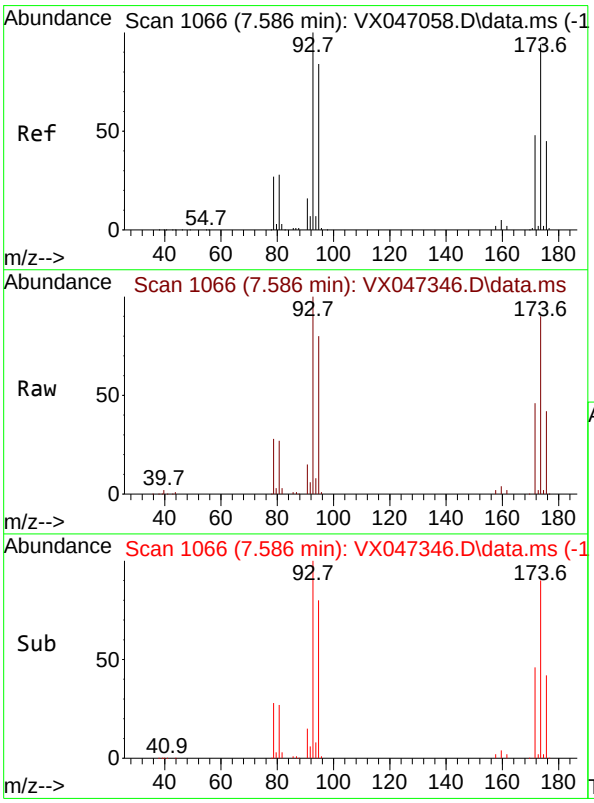
Ion	Ratio	Lower	Upper
63	100		
65	32.1	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

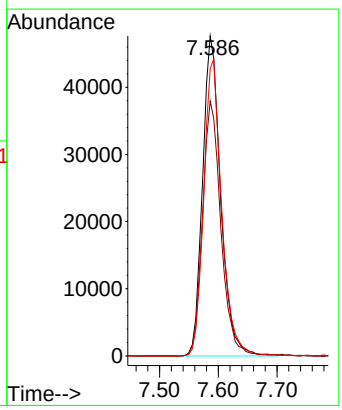
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

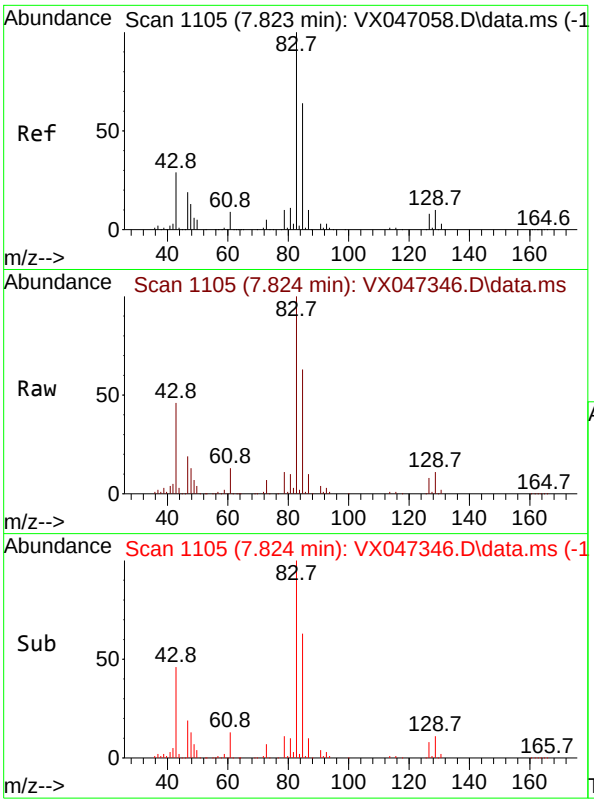


#46
Dibromomethane
Concen: 51.312 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 93 Resp: 101916

Ion	Ratio	Lower	Upper
93	100		
95	80.7	65.9	98.9
174	92.3	74.6	112.0

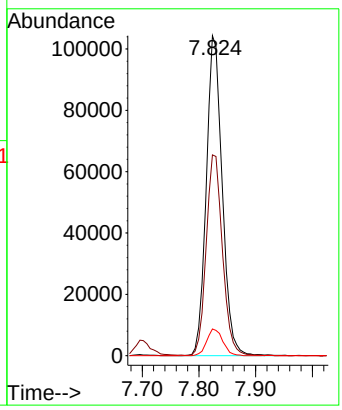




#47
Bromodichloromethane
Concen: 48.109 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 83 Resp: 20338

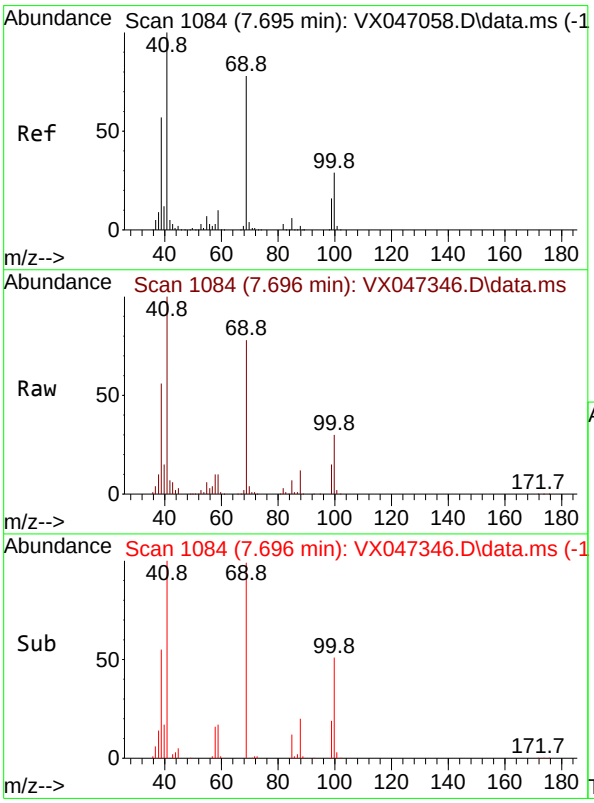
Ion	Ratio	Lower	Upper
83	100		
85	62.8	49.9	74.9
127	8.3	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

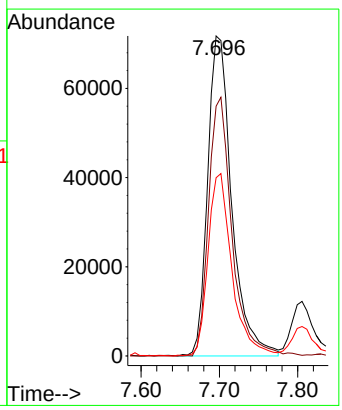
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

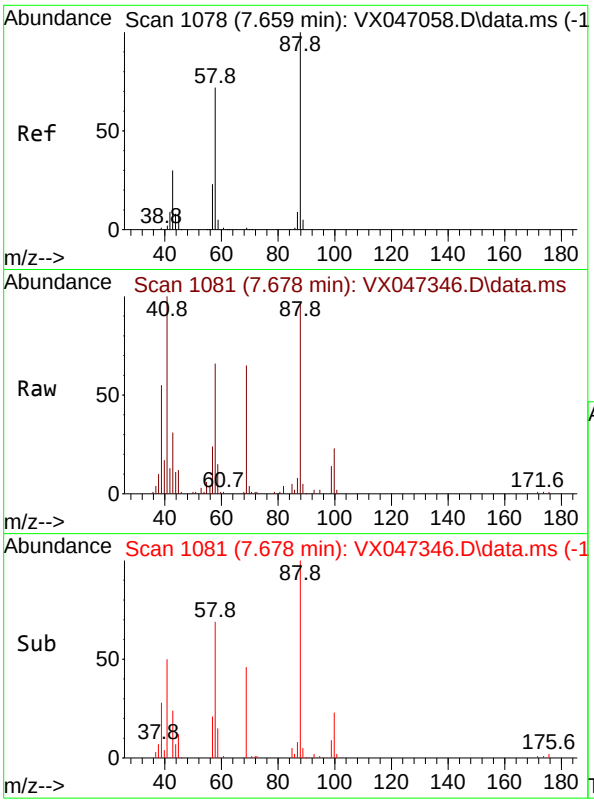


#48
Methyl methacrylate
Concen: 50.286 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 41 Resp: 153774

Ion	Ratio	Lower	Upper
41	100		
69	78.6	62.3	93.5
39	56.6	44.8	67.2





#49
1,4-Dioxane
Concen: 970.369 ug/l
RT: 7.678 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

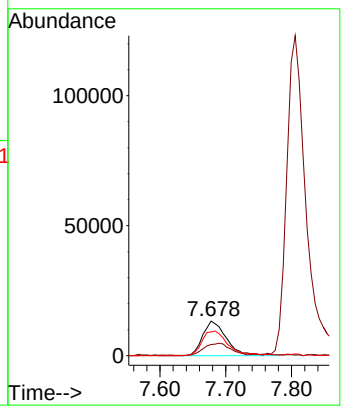
Tgt Ion: 88 Resp: 3375

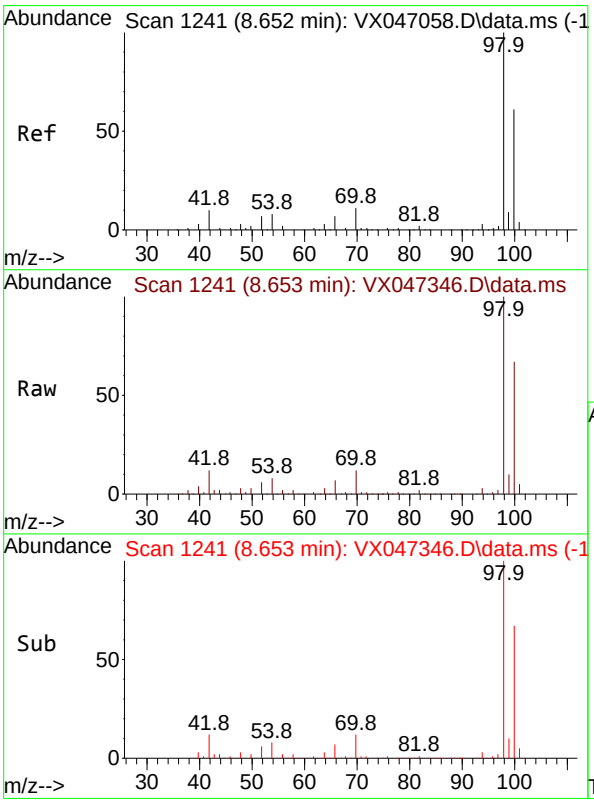
Ion	Ratio	Lower	Upper
88	100		
43	38.7	33.6	50.4
58	78.0	58.8	88.2

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

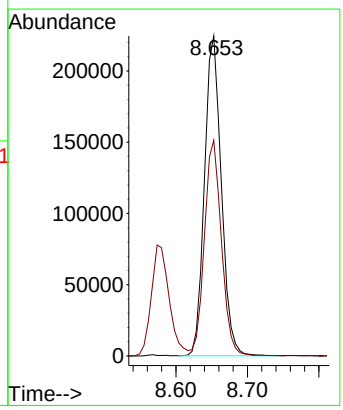


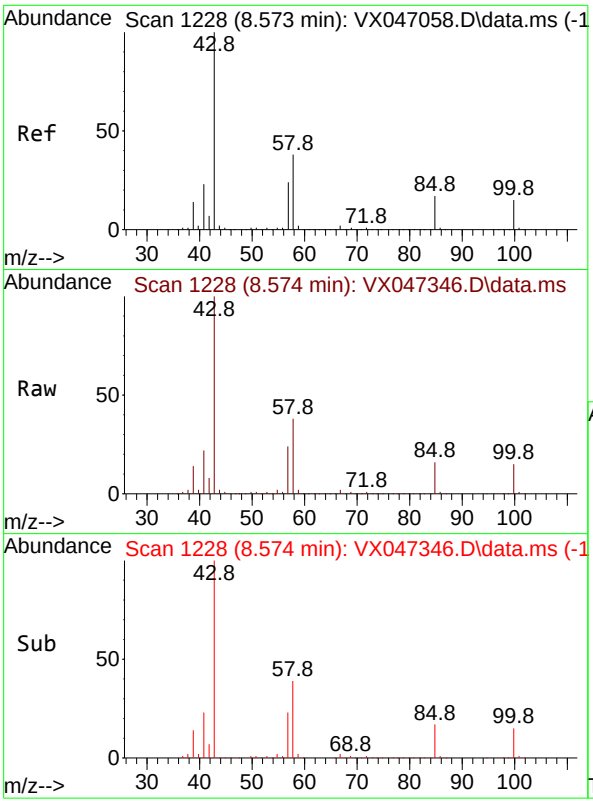


#50
Toluene-d8
Concen: 49.520 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 98 Resp: 367633

Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.3	79.9

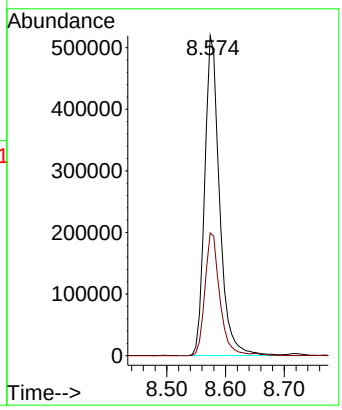




#51
4-Methyl-2-Pentanone
Concen: 273.536 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 43 Resp: 91265

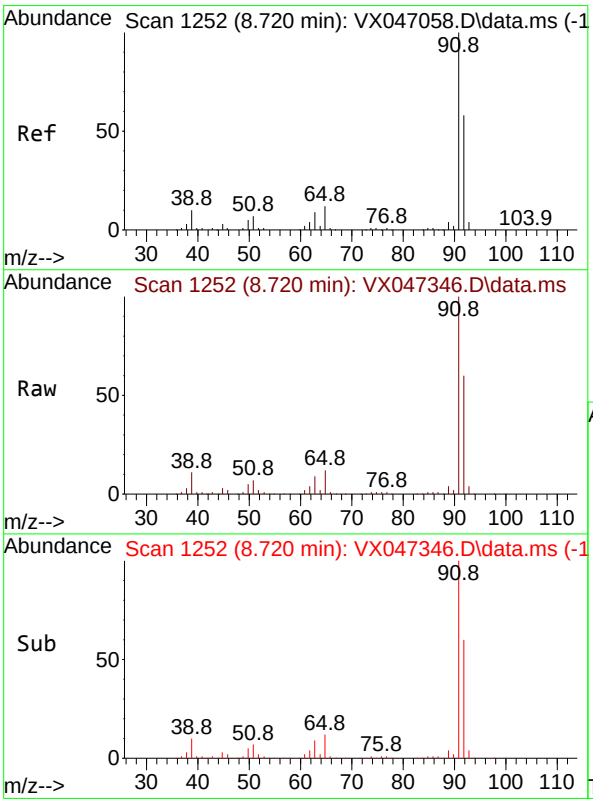
Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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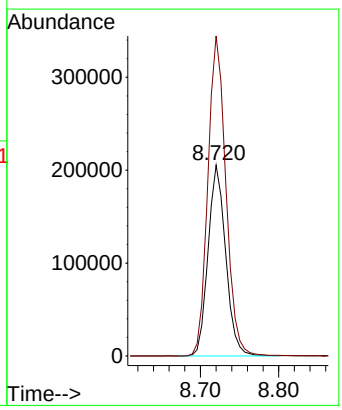
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

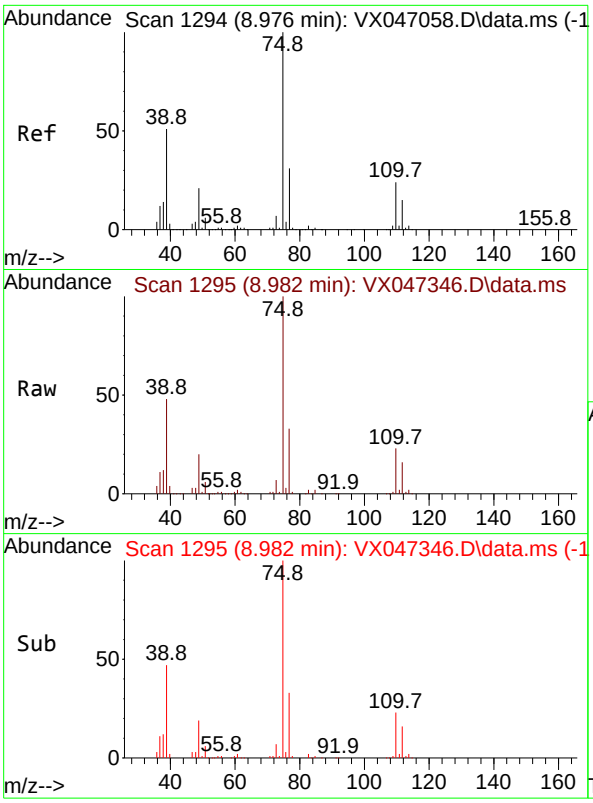


#52
Toluene
Concen: 46.158 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 92 Resp: 320957

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.9	206.9

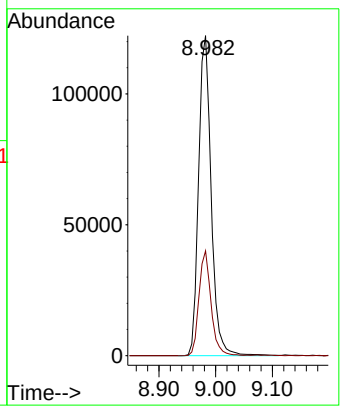




#53
t-1,3-Dichloropropene
Concen: 47.148 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 75 Resp: 18822

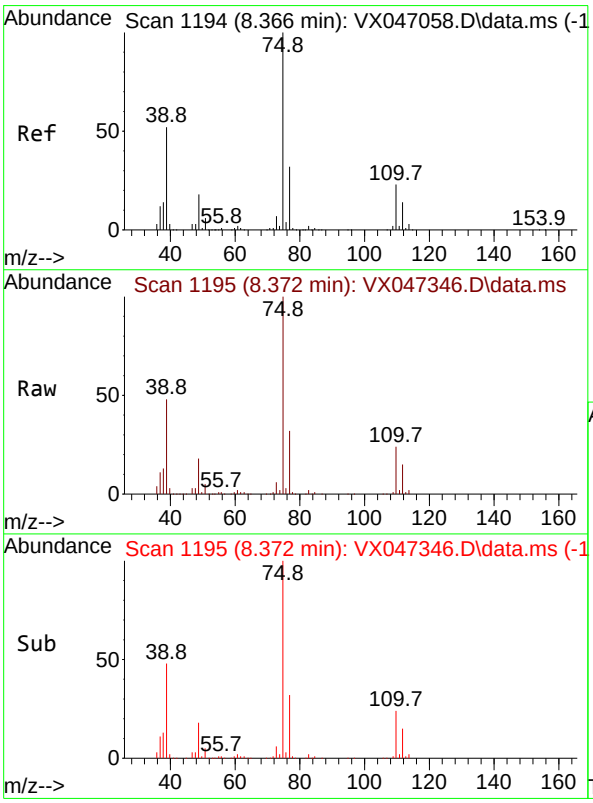
Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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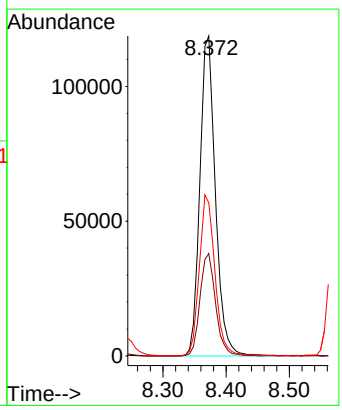
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

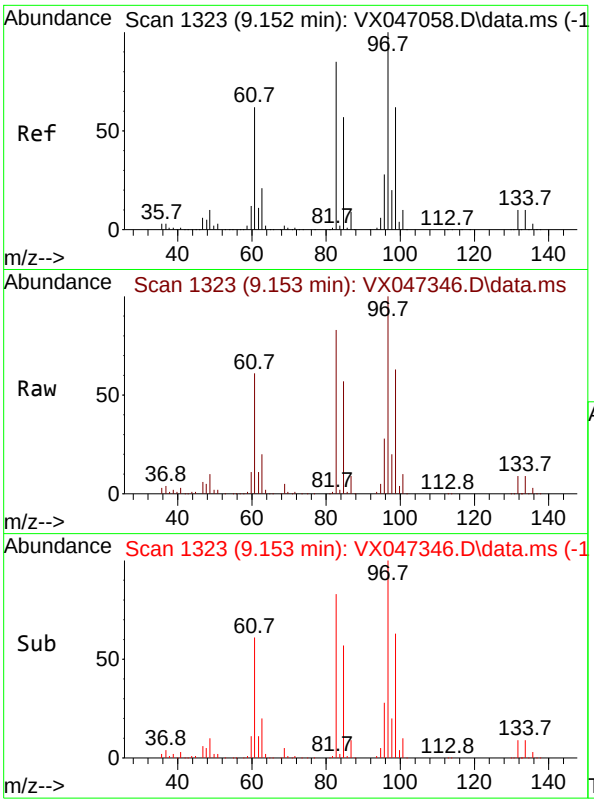


#54
cis-1,3-Dichloropropene
Concen: 46.601 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 75 Resp: 203618

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	47.8	41.8	62.6

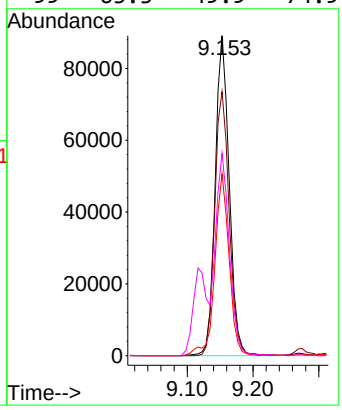




#55
1,1,2-Trichloroethane
Concen: 50.800 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

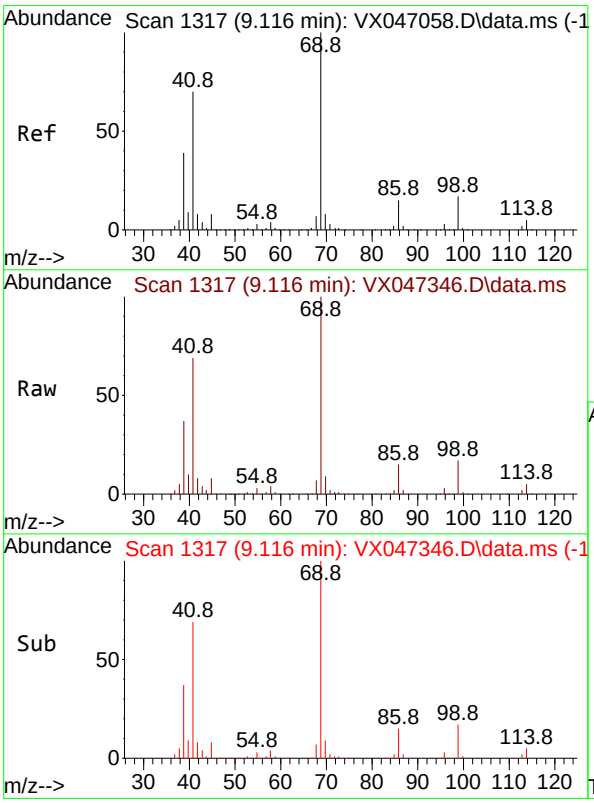
Tgt Ion: 97 Resp: 13247

Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.0	102.0
85	56.8	45.2	67.8
99	63.3	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

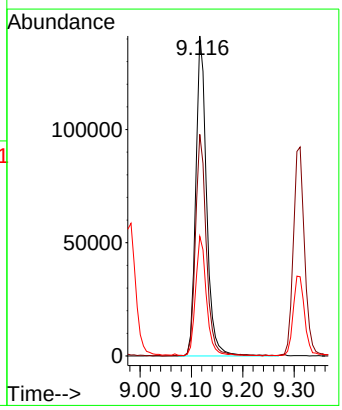
Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

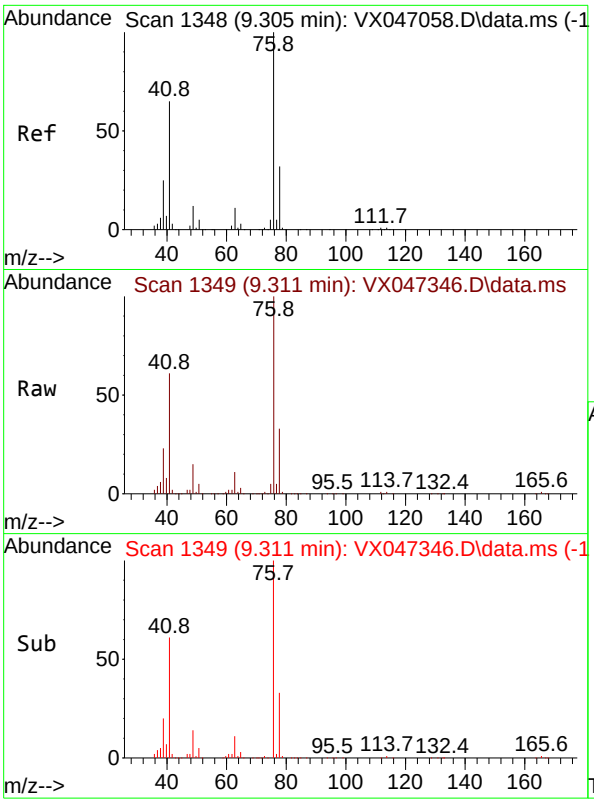


#56
Ethyl methacrylate
Concen: 53.433 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 69 Resp: 206281

Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.1	84.1
39	37.1	31.1	46.7

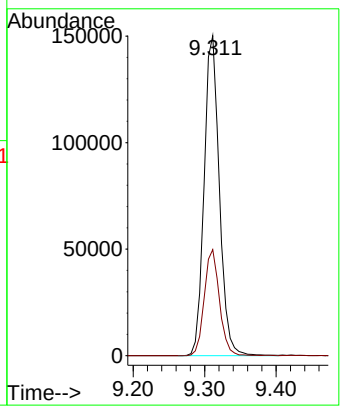




#57
1,3-Dichloropropane
Concen: 49.129 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 76 Resp: 22265

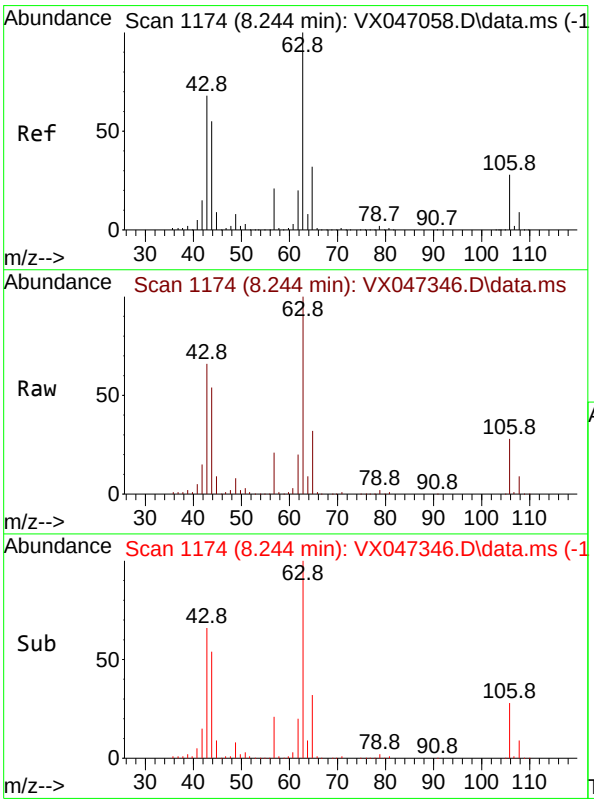
Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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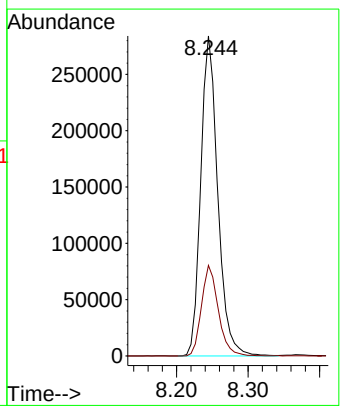
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

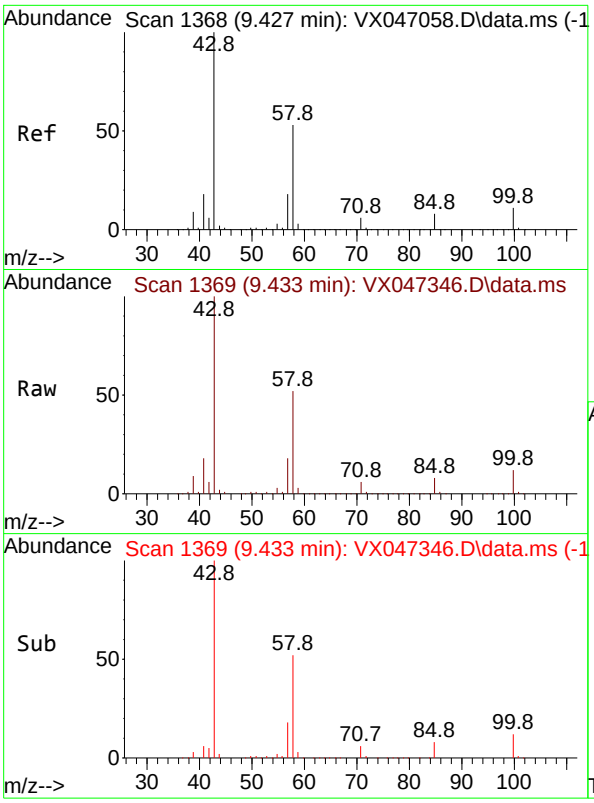


#58
2-Chloroethyl Vinyl ether
Concen: 218.383 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 63 Resp: 469143

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.2	33.4





#59
2-Hexanone
Concen: 291.456 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

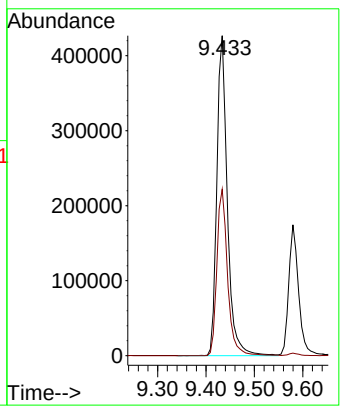
Tgt Ion: 43 Resp: 64247

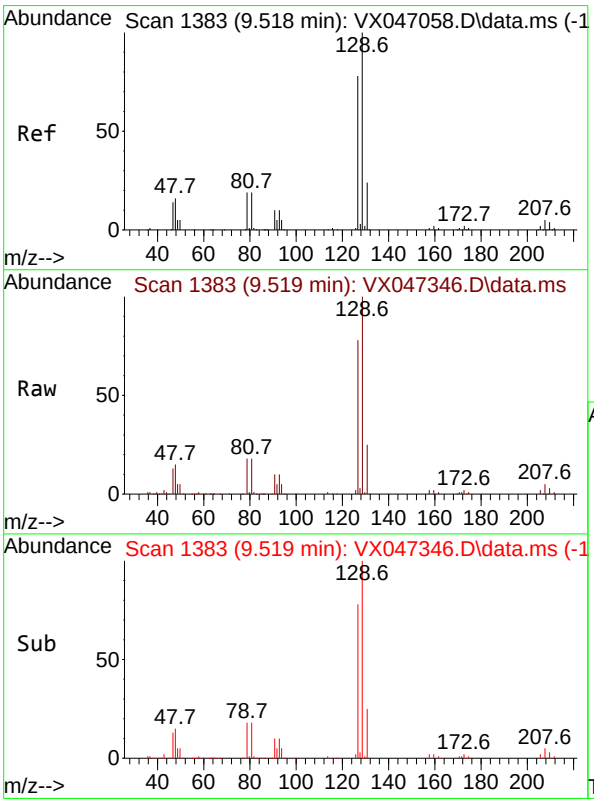
Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

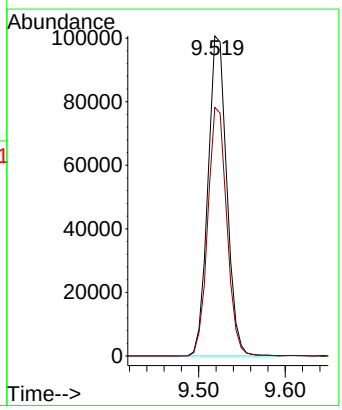


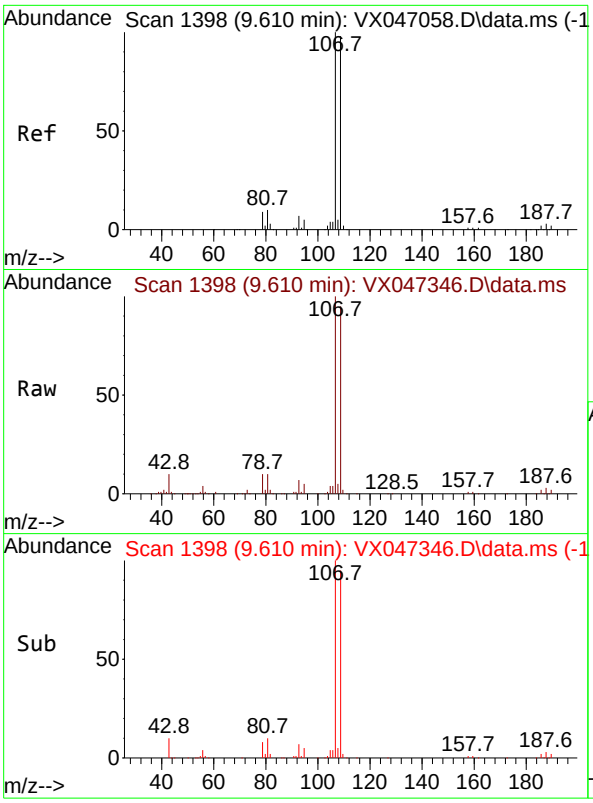


#60
Dibromochloromethane
Concen: 49.621 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:129 Resp: 151761

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.6	115.8

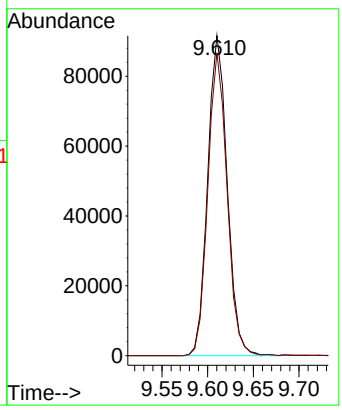




#61
1,2-Dibromoethane
Concen: 49.748 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:107 Resp: 13564

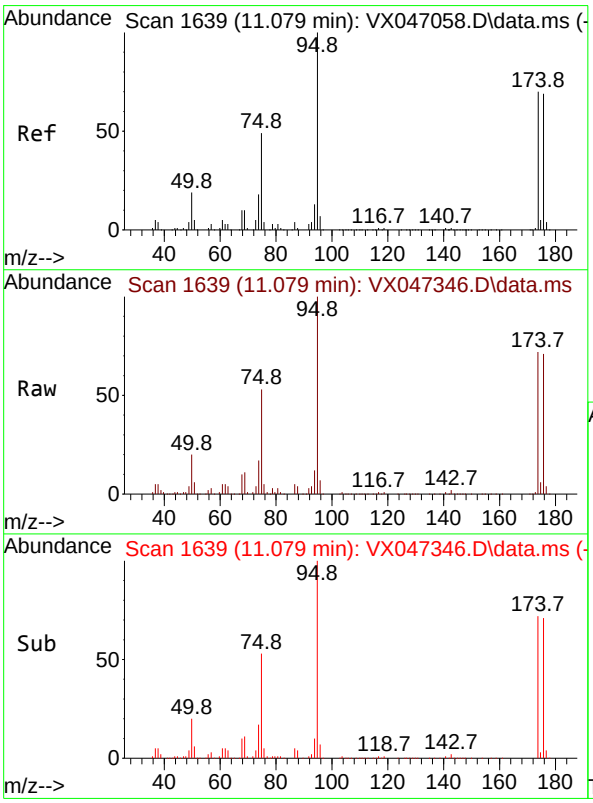
Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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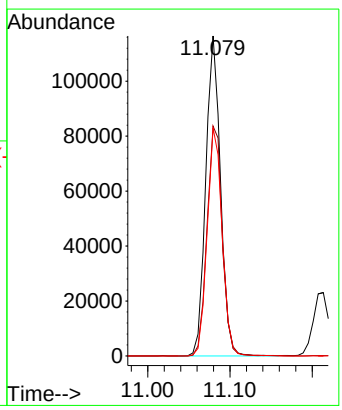
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

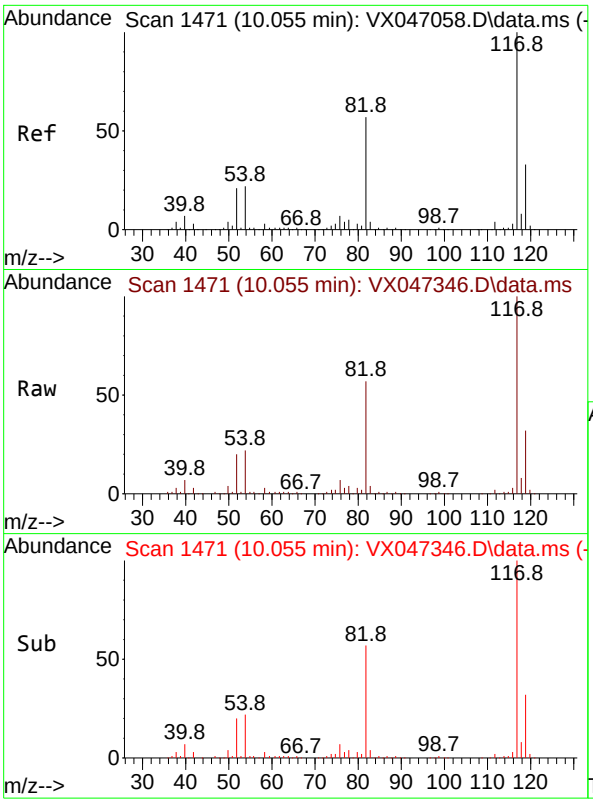


#62
4-Bromofluorobenzene
Concen: 45.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 95 Resp: 144917

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	144.6
176	72.1	0.0	139.6

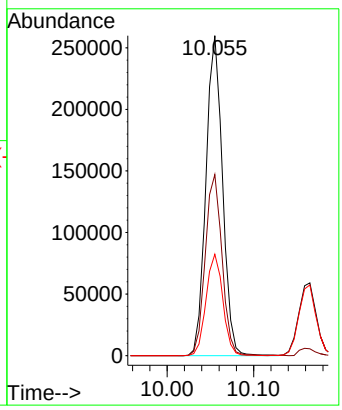




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:117 Resp: 34583

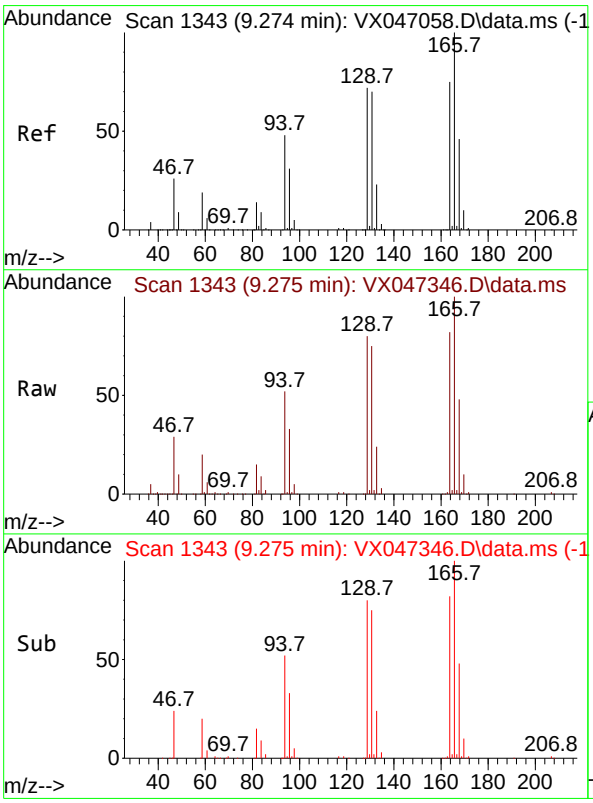
Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.4	68.2
119	31.7	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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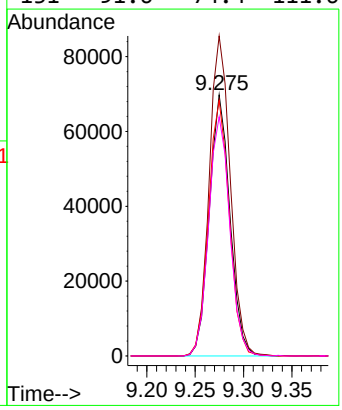
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

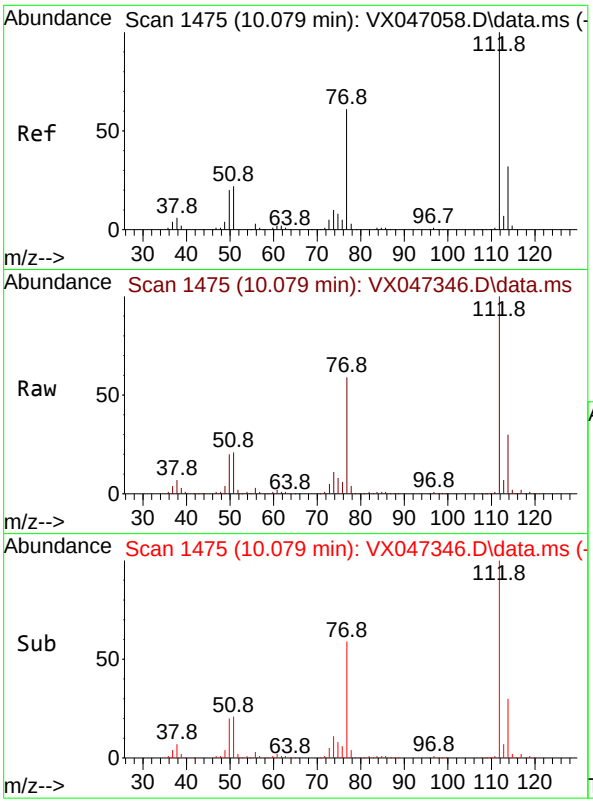


#64
Tetrachloroethene
Concen: 41.472 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:164 Resp: 103393

Ion	Ratio	Lower	Upper
164	100		
166	122.5	106.2	159.4
129	97.8	76.6	114.8
131	91.6	74.4	111.6

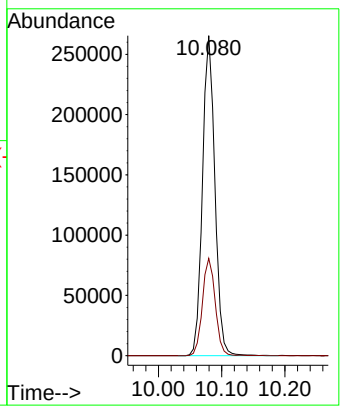




#65
Chlorobenzene
Concen: 44.744 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:112 Resp: 36250

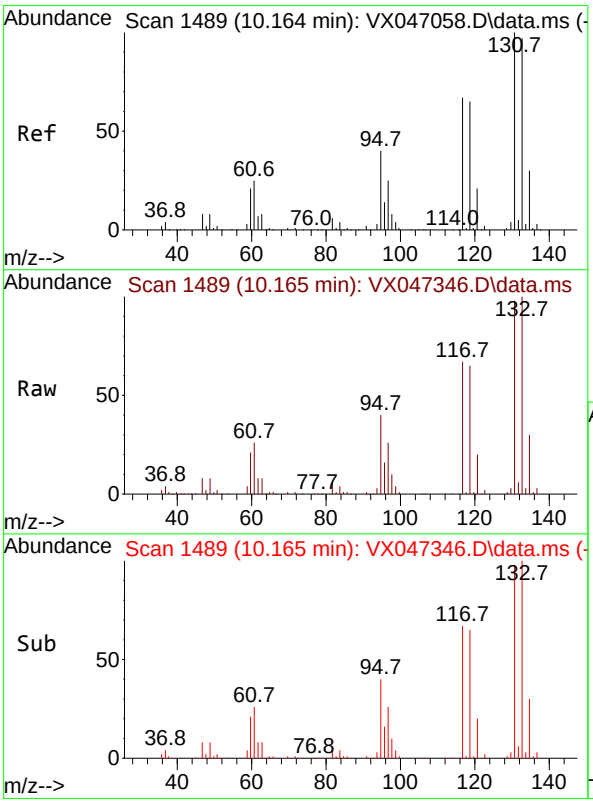
Ion	Ratio	Lower	Upper
112	100		
114	30.4	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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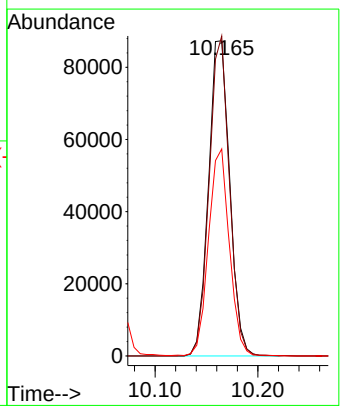
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

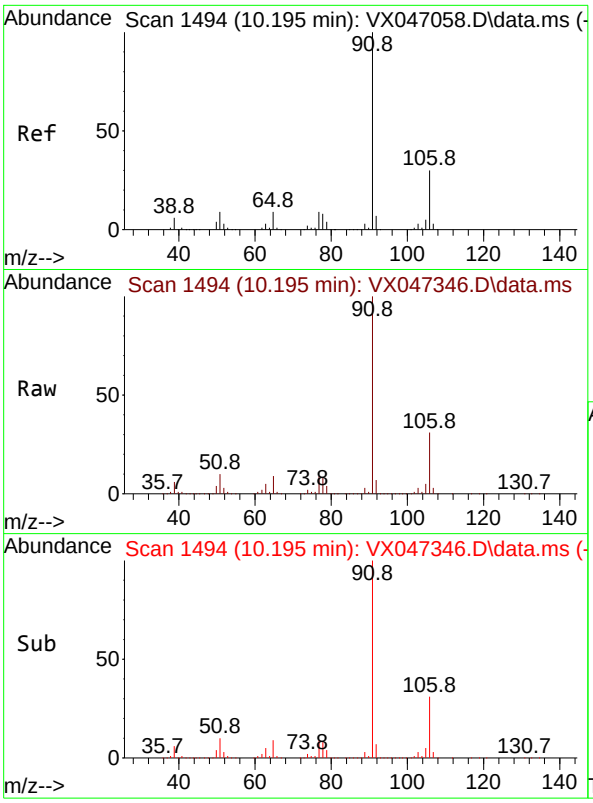


#66
1,1,1,2-Tetrachloroethane
Concen: 45.994 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:131 Resp: 125458

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.4	145.3
119	64.6	32.4	97.0

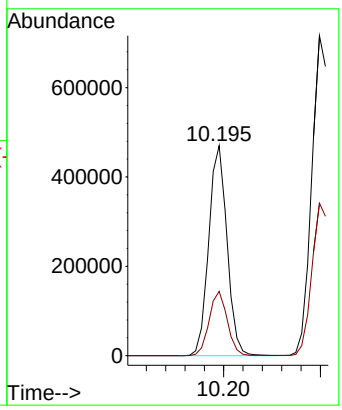




#67
Ethyl Benzene
Concen: 43.616 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 91 Resp: 61784

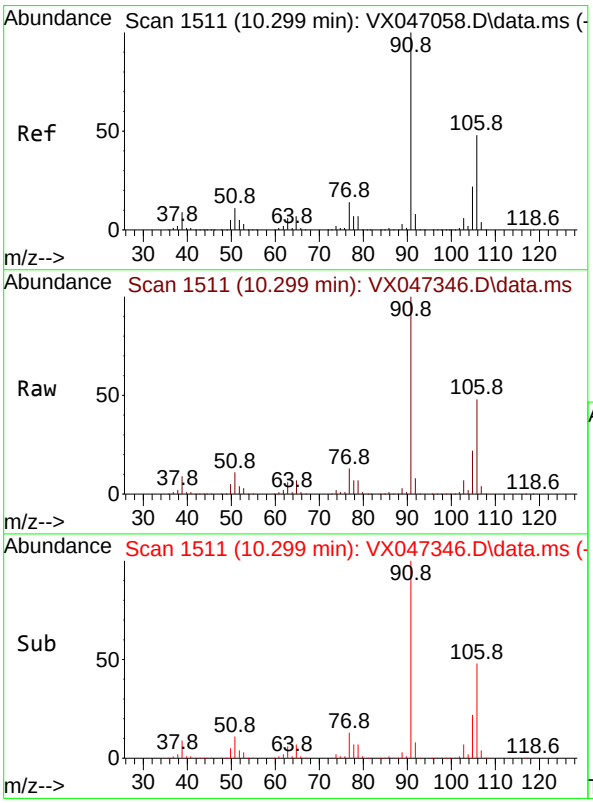
Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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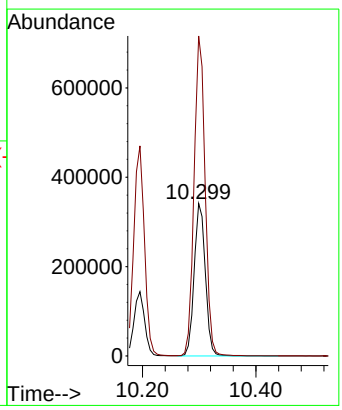
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

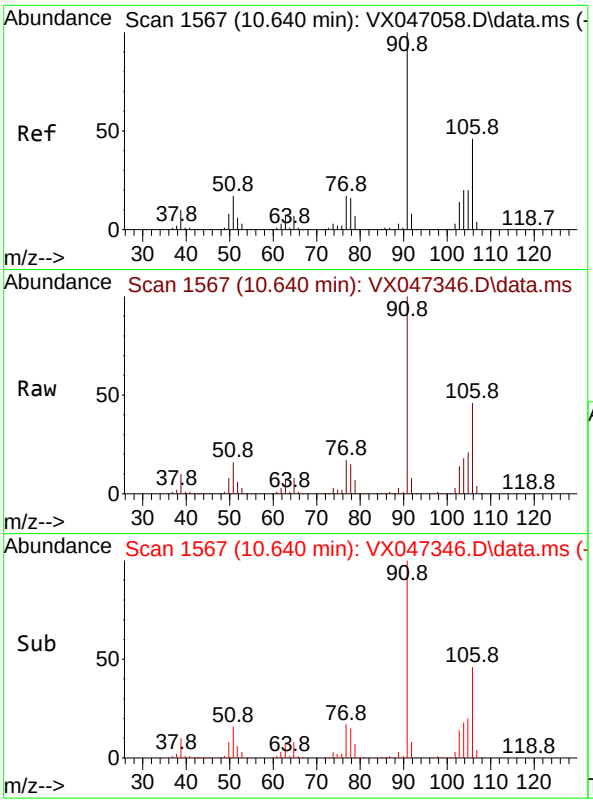


#68
m/p-Xylenes
Concen: 87.716 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:106 Resp: 464984

Ion	Ratio	Lower	Upper
106	100		
91	208.2	167.4	251.0

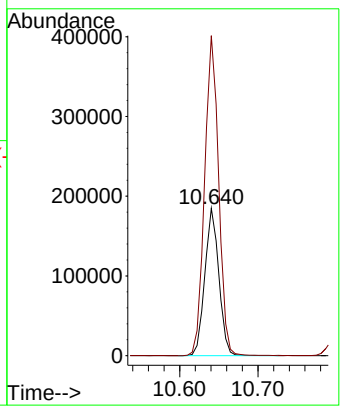




#69
o-Xylene
Concen: 45.384 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:106 Resp: 22887

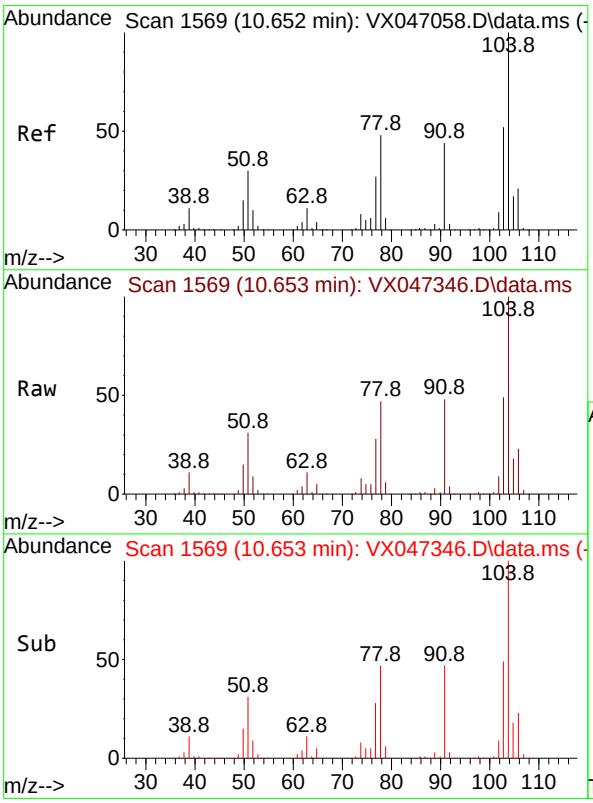
Ion	Ratio	Lower	Upper
106	100		
91	217.8	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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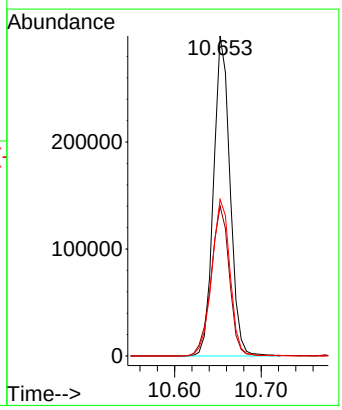
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

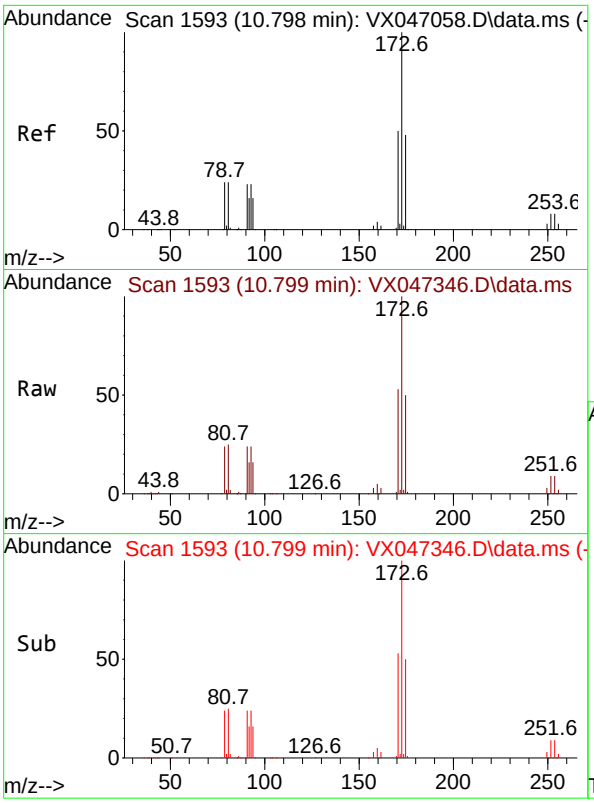


#70
Styrene
Concen: 45.654 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:104 Resp: 394790

Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.0	63.0
103	54.2	43.8	65.6

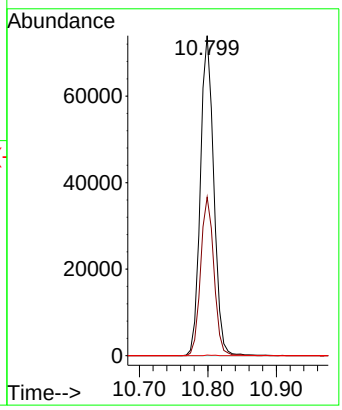




#71
Bromoform
Concen: 48.644 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

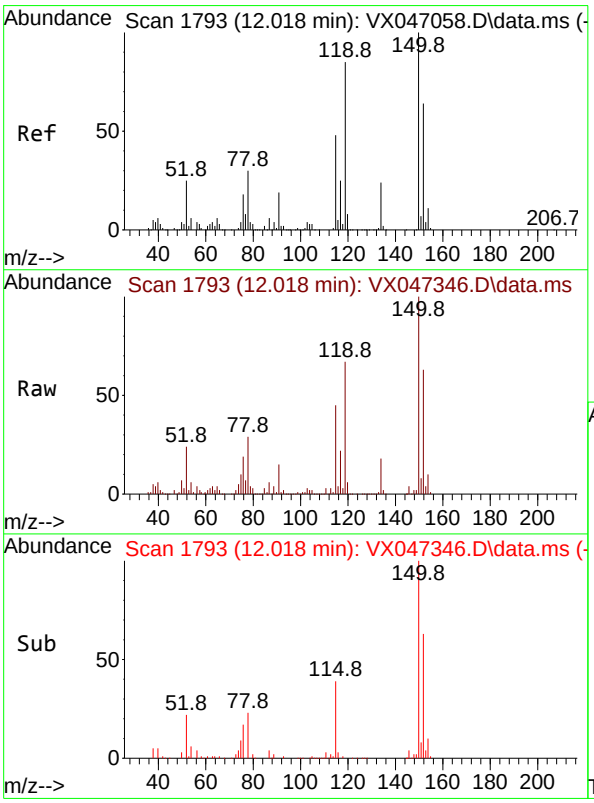
Tgt Ion:173 Resp: 10079

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.1	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

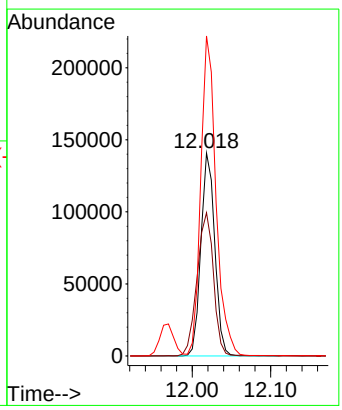
Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

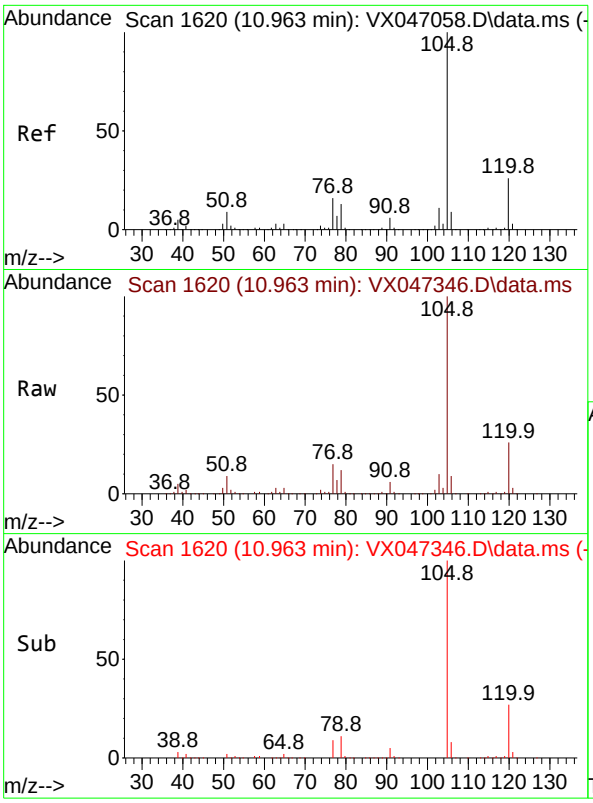


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:152 Resp: 173101

Ion	Ratio	Lower	Upper
152	100		
115	83.6	45.6	136.7
150	172.9	0.0	354.6

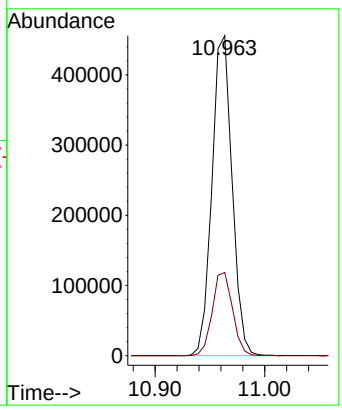




#73
Isopropylbenzene
Concen: 42.699 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:105 Resp: 58312

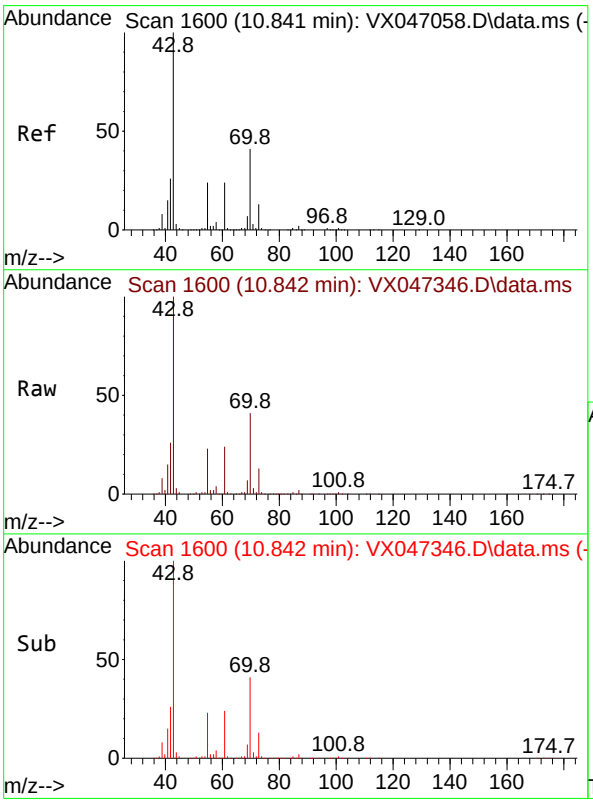
Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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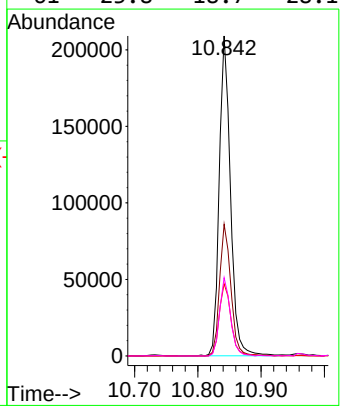
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

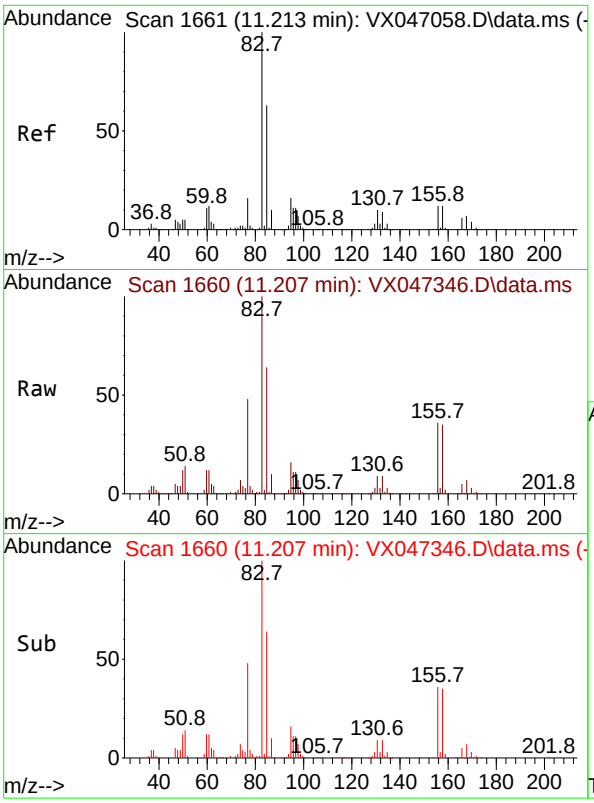


#74
N-amyl acetate
Concen: 46.606 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 43 Resp: 256809

Ion	Ratio	Lower	Upper
43	100		
70	41.5	32.3	48.5
55	23.8	18.9	28.3
61	23.8	18.7	28.1

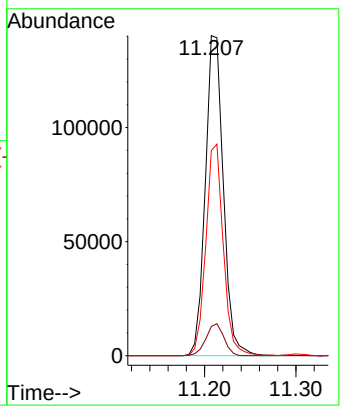




#75
1,1,2,2-Tetrachloroethane
Concen: 49.195 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 83 Resp: 19190

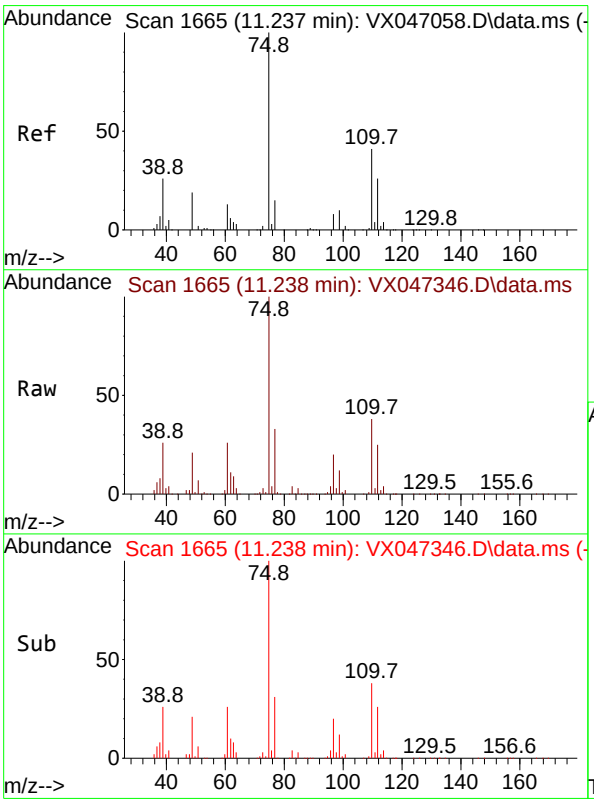
Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	63.9	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

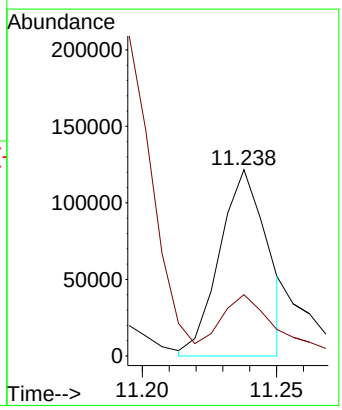
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

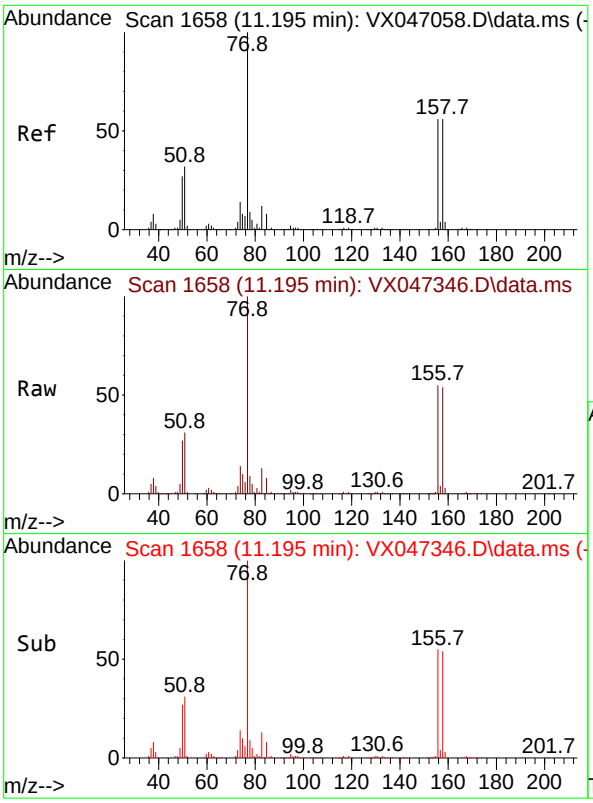


#76
1,2,3-Trichloropropane
Concen: 46.914 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 75 Resp: 150314

Ion	Ratio	Lower	Upper
75	100		
77	39.4	21.6	65.0

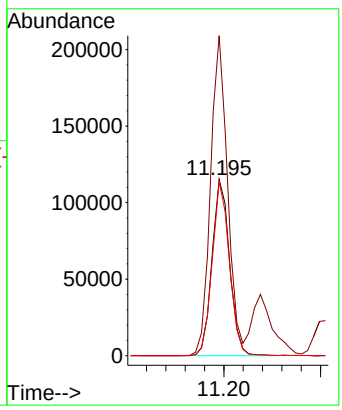




#77
Bromobenzene
Concen: 44.295 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

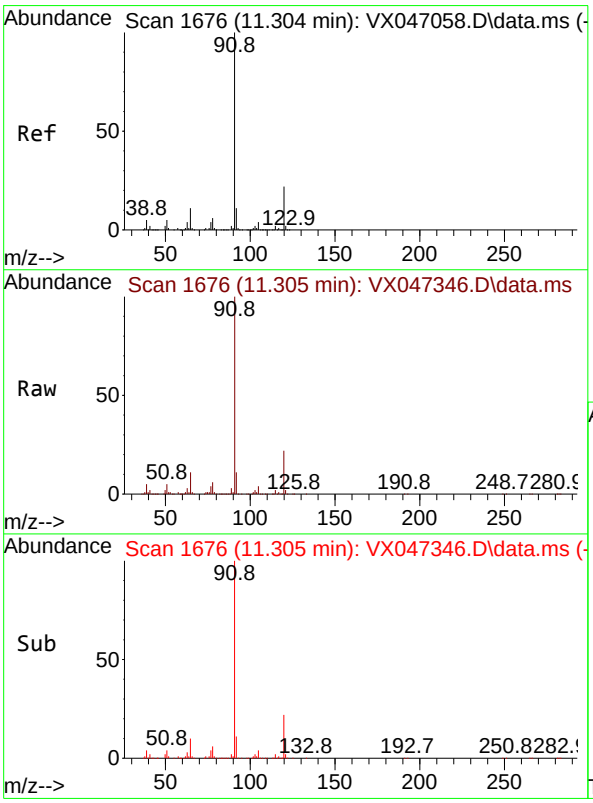
Tgt Ion:156 Resp: 14509

Ion	Ratio	Lower	Upper
156	100		
77	175.4	87.3	261.9
158	96.8	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

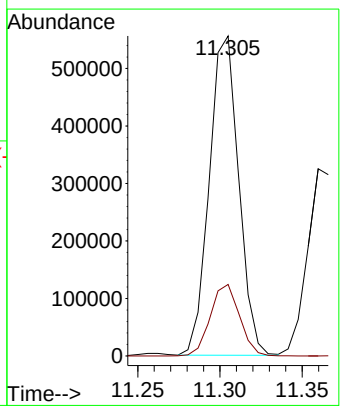
Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

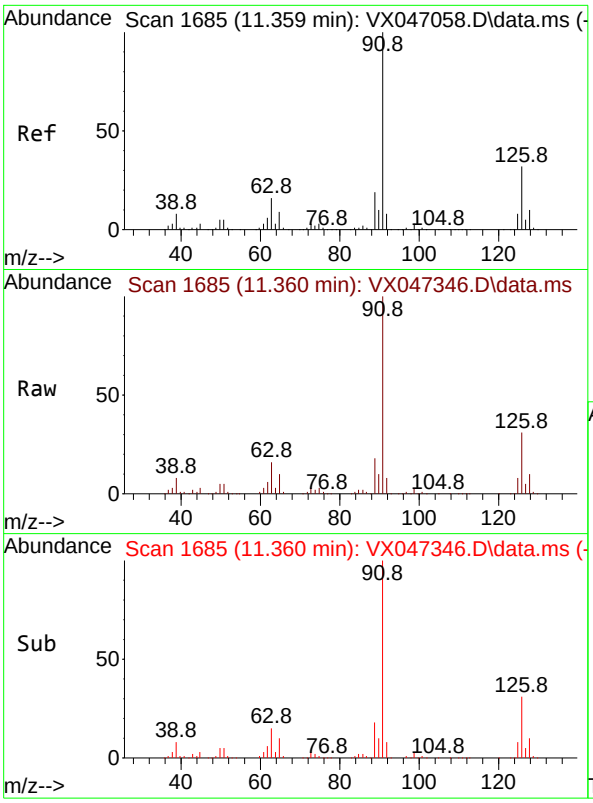


#78
n-propylbenzene
Concen: 42.392 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 91 Resp: 691822

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0

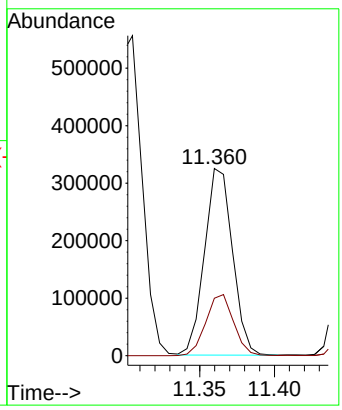




#79
2-Chlorotoluene
Concen: 43.408 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 91 Resp: 42345

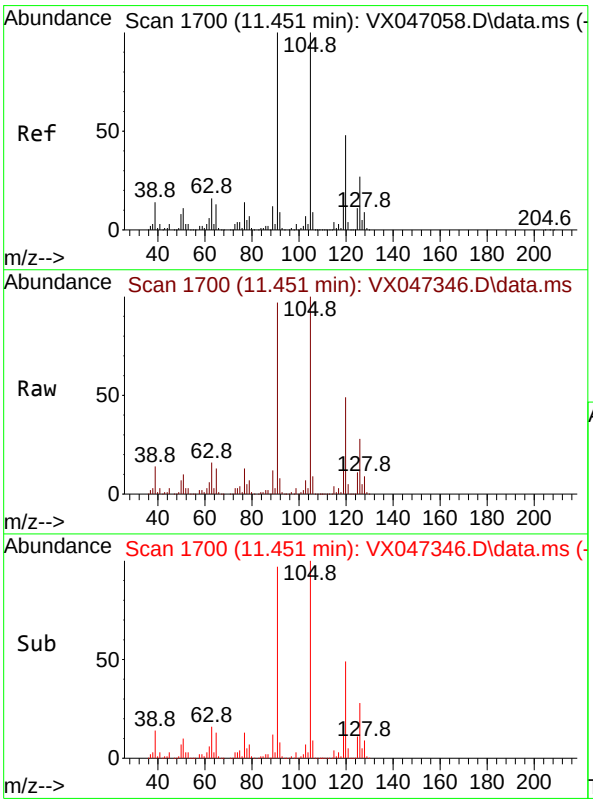
Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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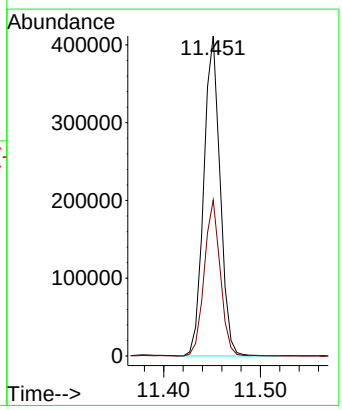
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

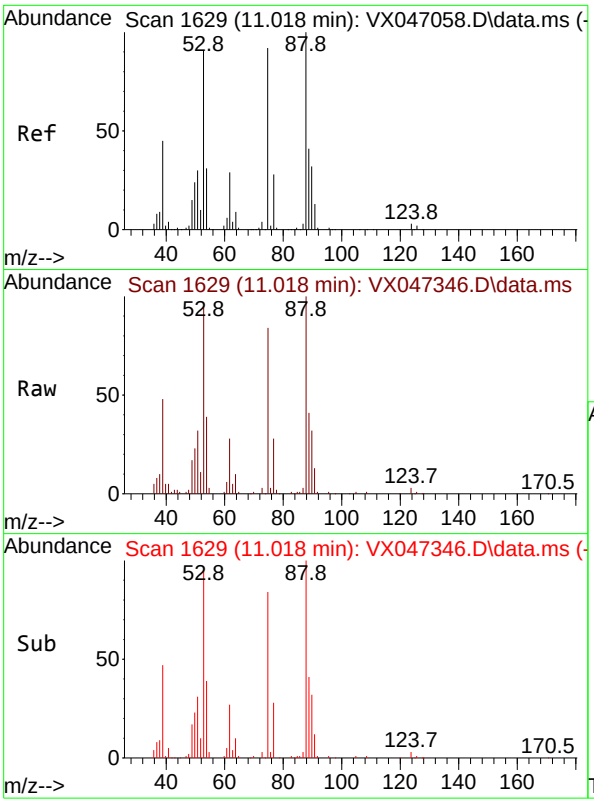


#80
1,3,5-Trimethylbenzene
Concen: 42.983 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:105 Resp: 484950

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5

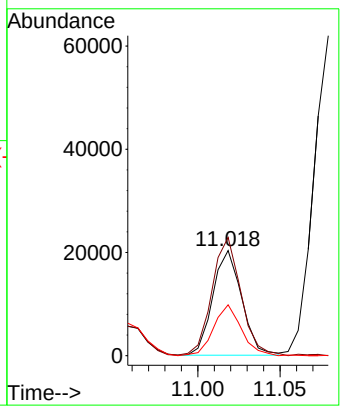




#81
trans-1,4-Dichloro-2-butene
Concen: 19.981 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

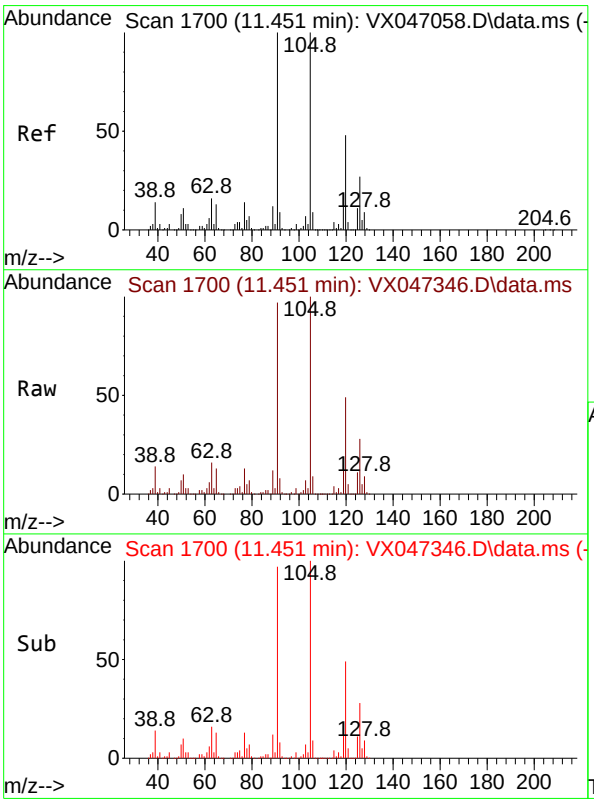
Tgt Ion: 75 Resp: 2484

Ion	Ratio	Lower	Upper
75	100		
53	113.0	84.2	126.4
89	46.9	36.0	54.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

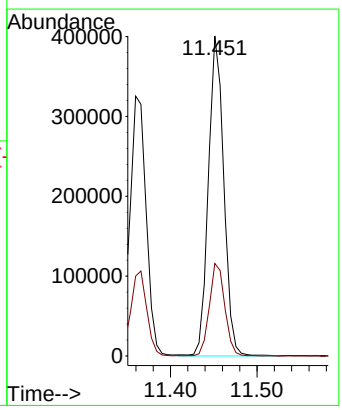
Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

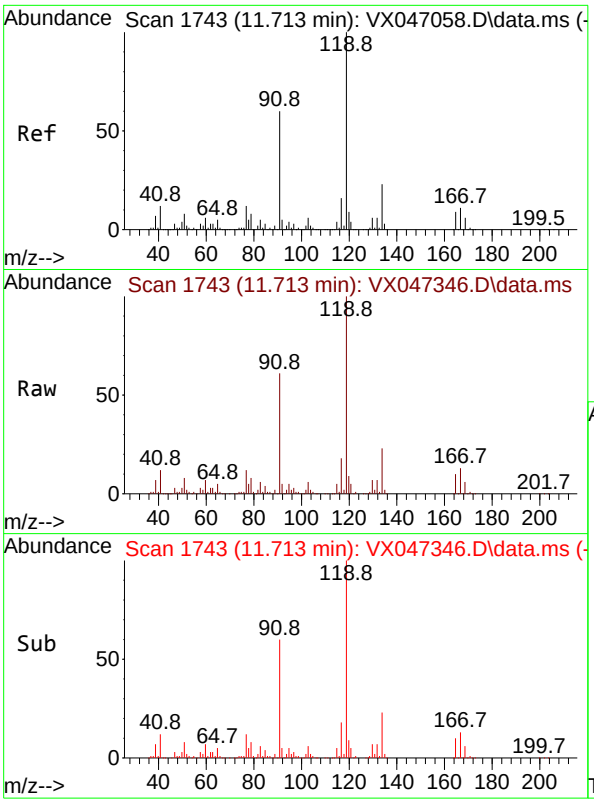


#82
4-Chlorotoluene
Concen: 43.498 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 91 Resp: 495295

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.1	42.3

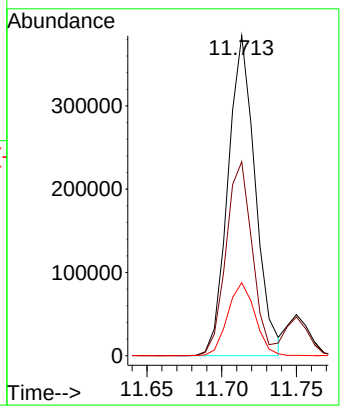




#83
tert-Butylbenzene
Concen: 42.963 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

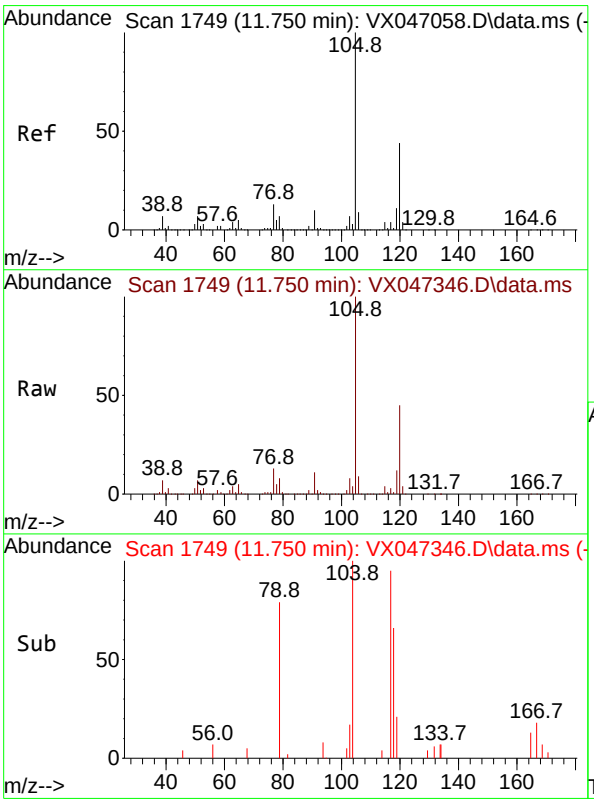
Tgt Ion:119 Resp: 48651

Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.6	88.8
134	22.9	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

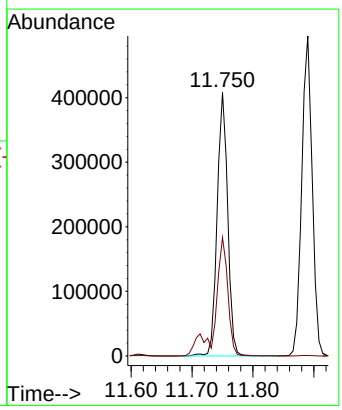
Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

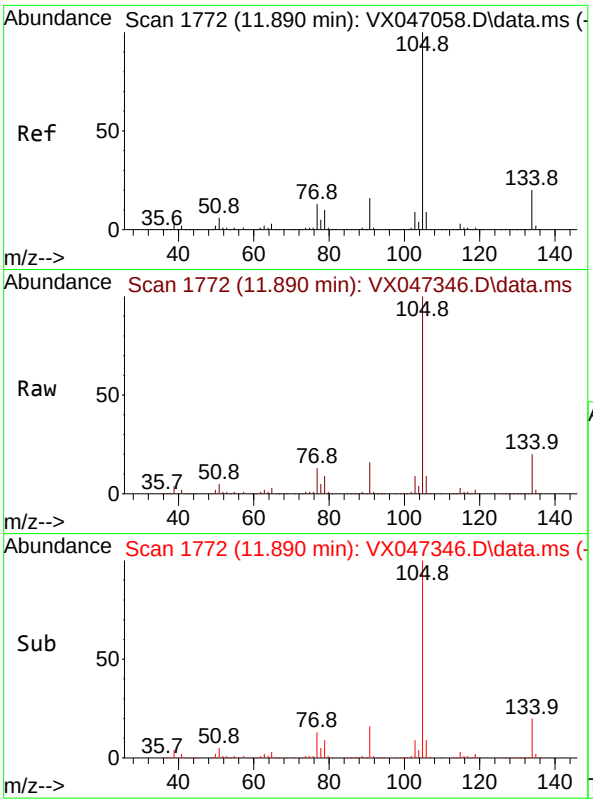


#84
1,2,4-Trimethylbenzene
Concen: 43.425 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:105 Resp: 488683

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.0	66.0

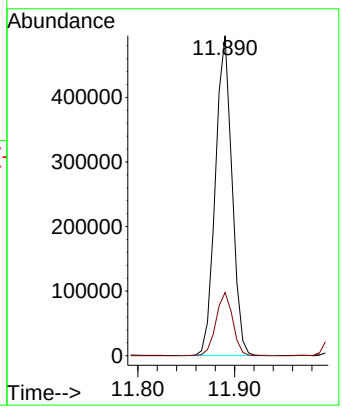




#85
sec-Butylbenzene
Concen: 41.609 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:105 Resp: 58872

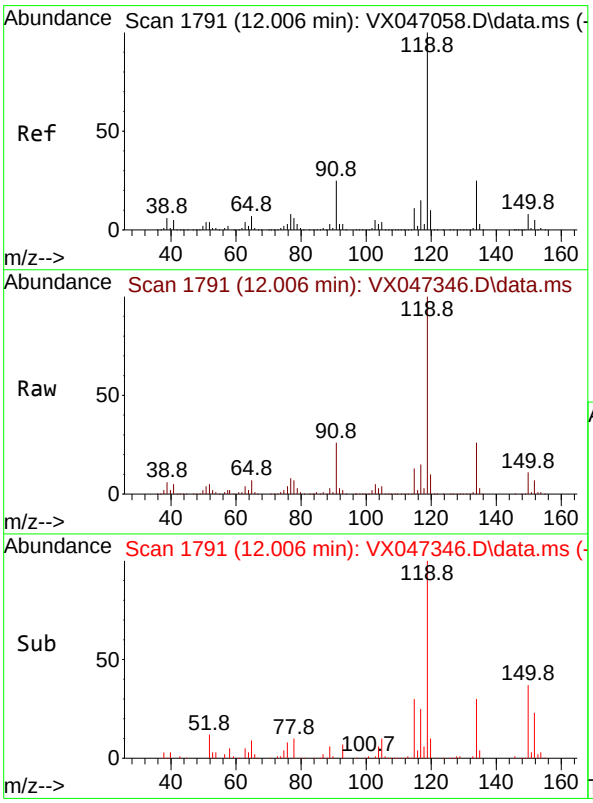
Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
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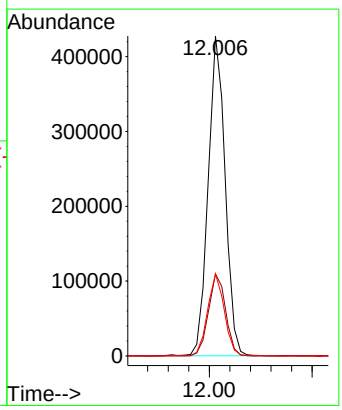
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

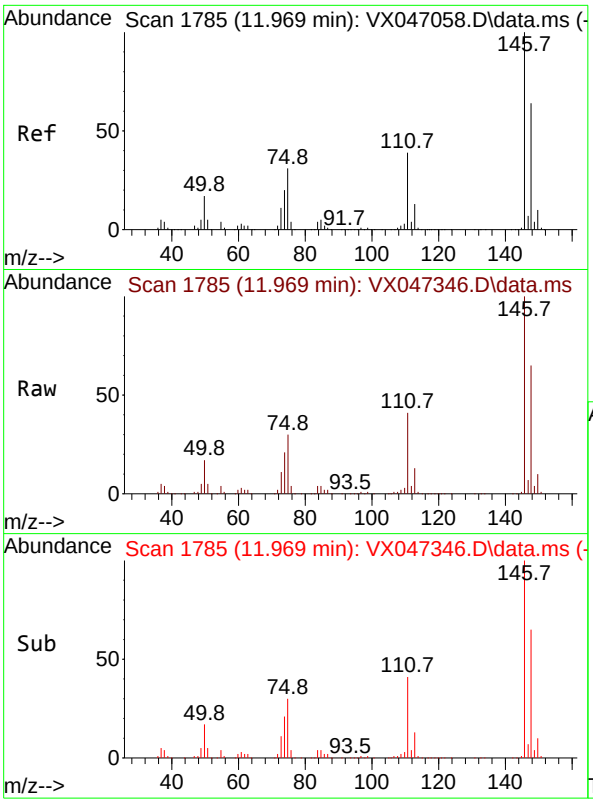


#86
p-Isopropyltoluene
Concen: 41.656 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:119 Resp: 488762

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.4	12.4	37.4

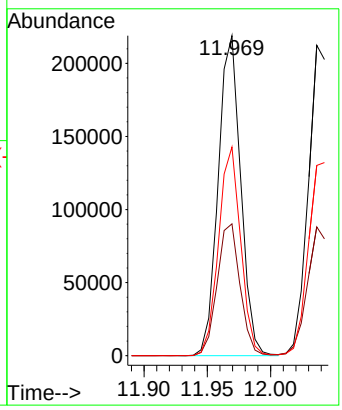




#87
1,3-Dichlorobenzene
Concen: 43.475 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

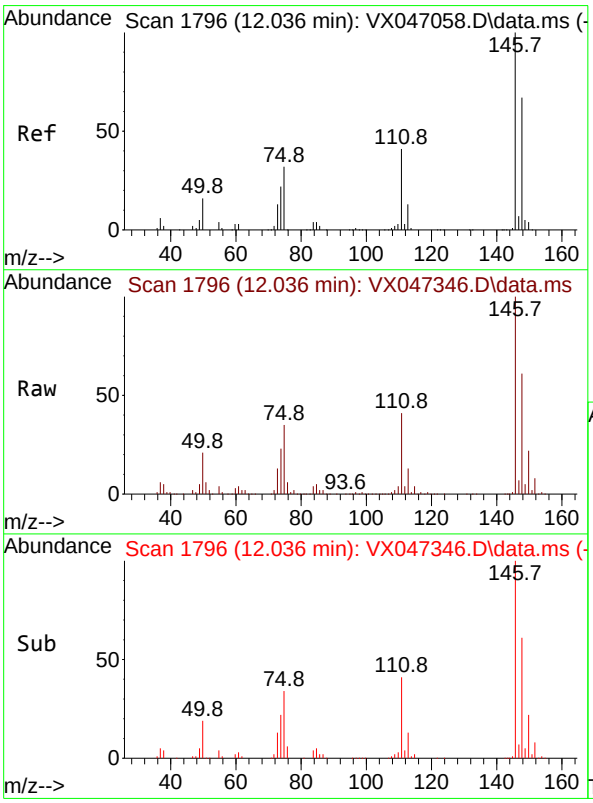
Tgt Ion:146 Resp: 27058

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	64.1	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

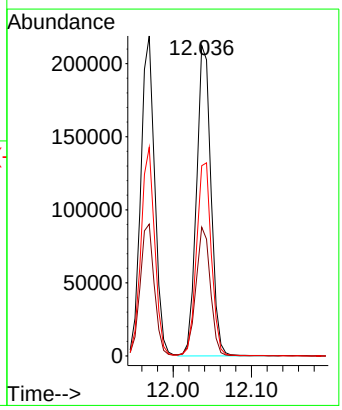
Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

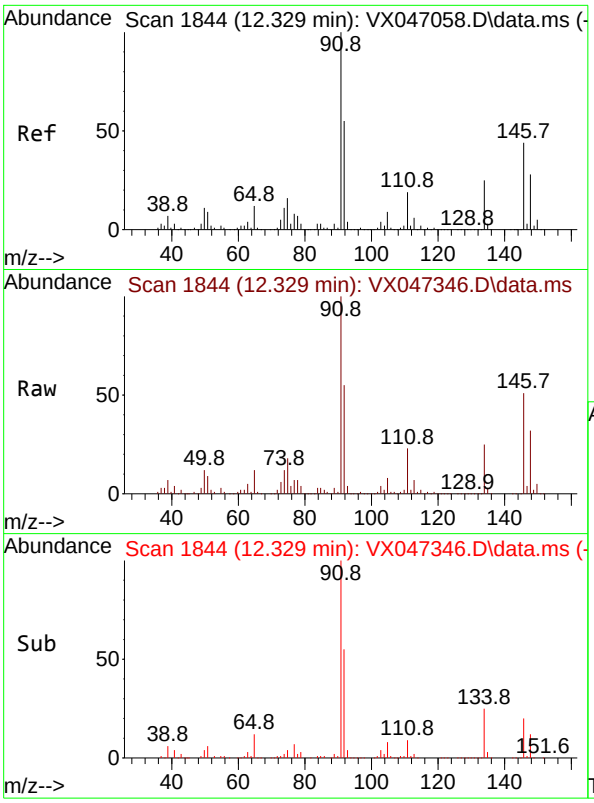


#88
1,4-Dichlorobenzene
Concen: 43.352 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:146 Resp: 273360

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.9
148	63.9	33.0	98.9

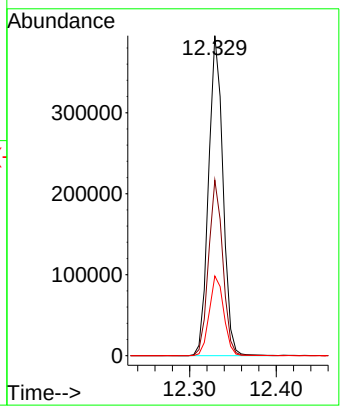




#89
n-Butylbenzene
Concen: 41.429 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

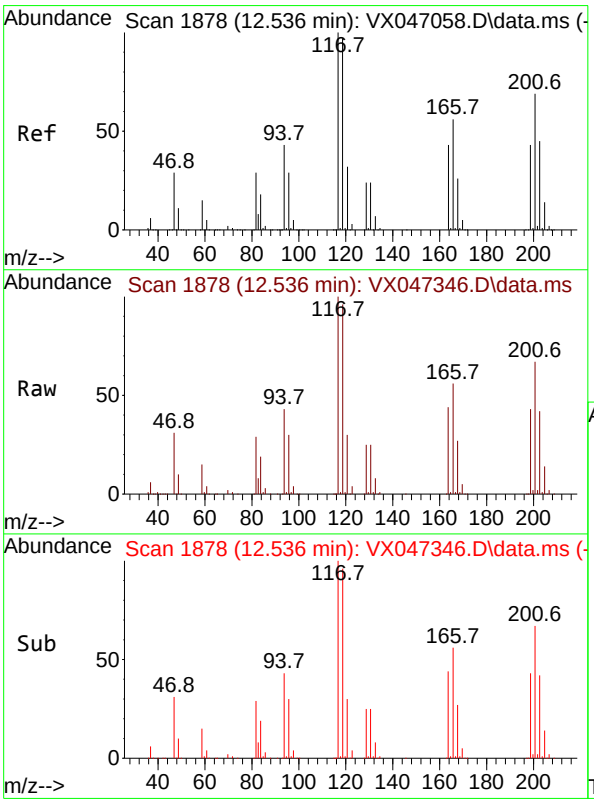
Tgt Ion: 91 Resp: 45586

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.5
134	25.3	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

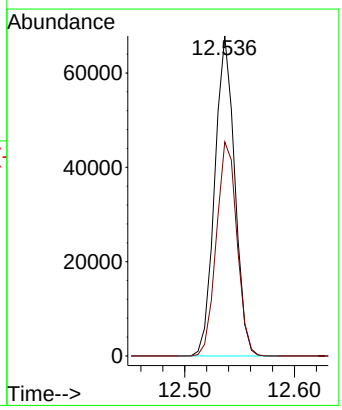
Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

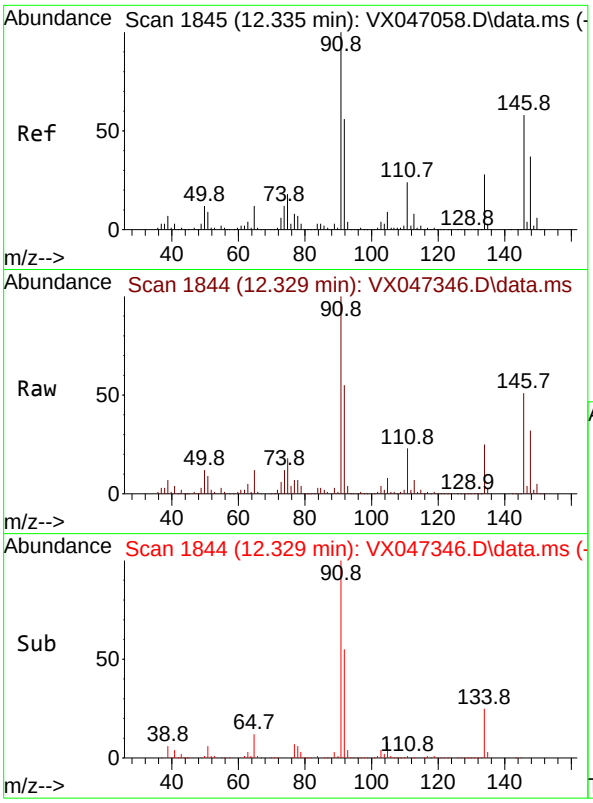


#90
Hexachloroethane
Concen: 40.942 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:117 Resp: 85939

Ion	Ratio	Lower	Upper
117	100		
201	68.9	34.8	104.5

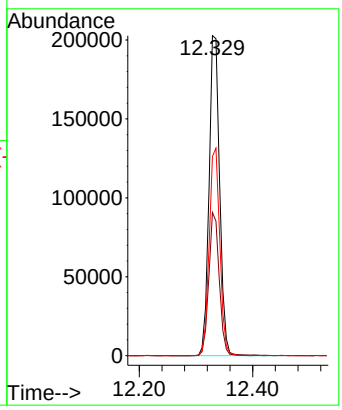




#91
1,2-Dichlorobenzene
Concen: 44.357 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:146 Resp: 26385

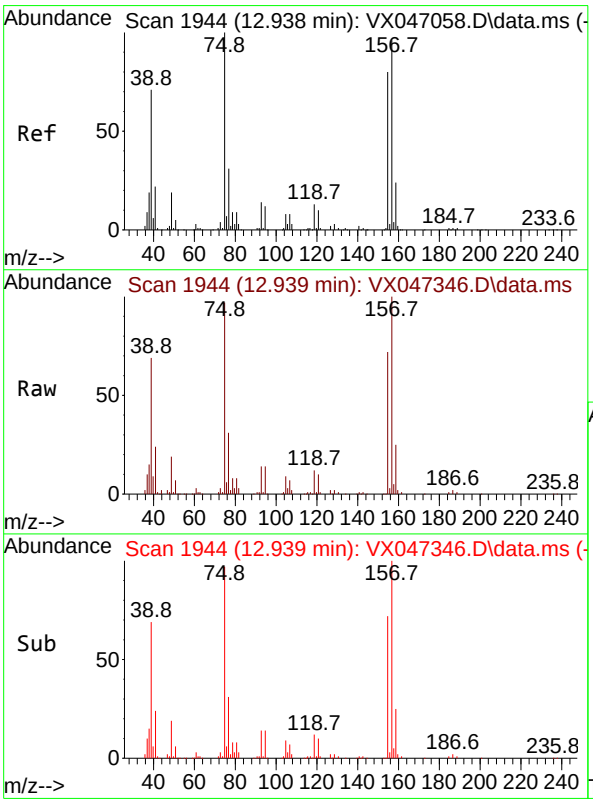
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	65.1	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations APPROVED

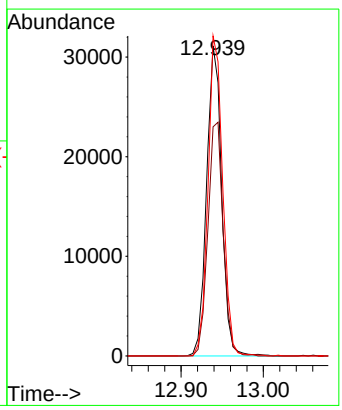
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

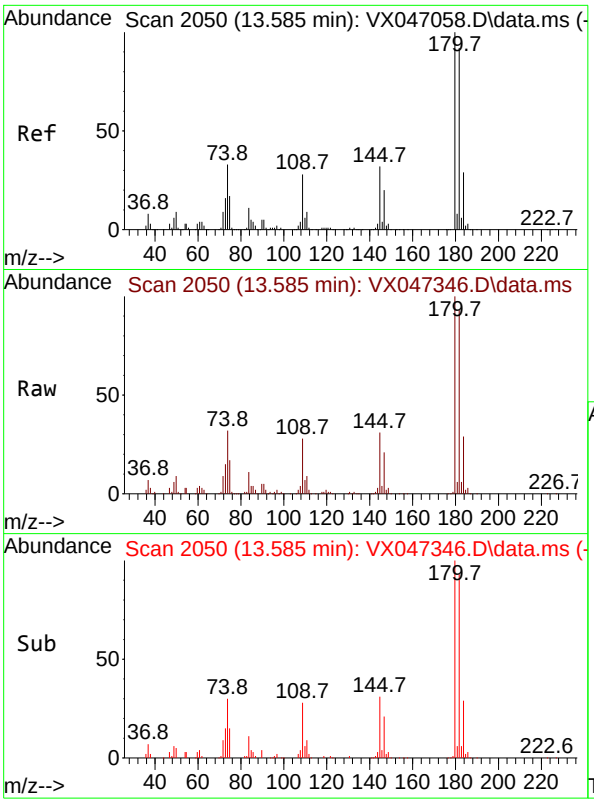


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.778 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 75 Resp: 39520

Ion	Ratio	Lower	Upper
75	100		
155	77.0	41.3	124.1
157	100.8	52.8	158.3

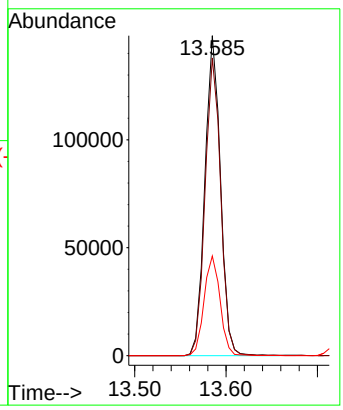




#93
1,2,4-Trichlorobenzene
Concen: 44.566 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:180 Resp: 17515

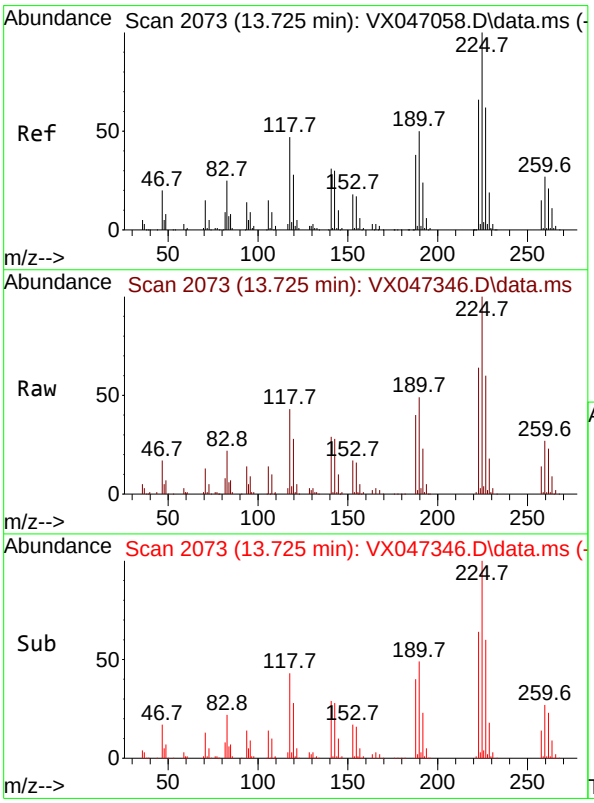
Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.3	141.8
145	32.1	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

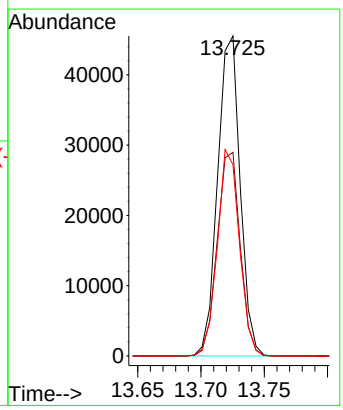
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

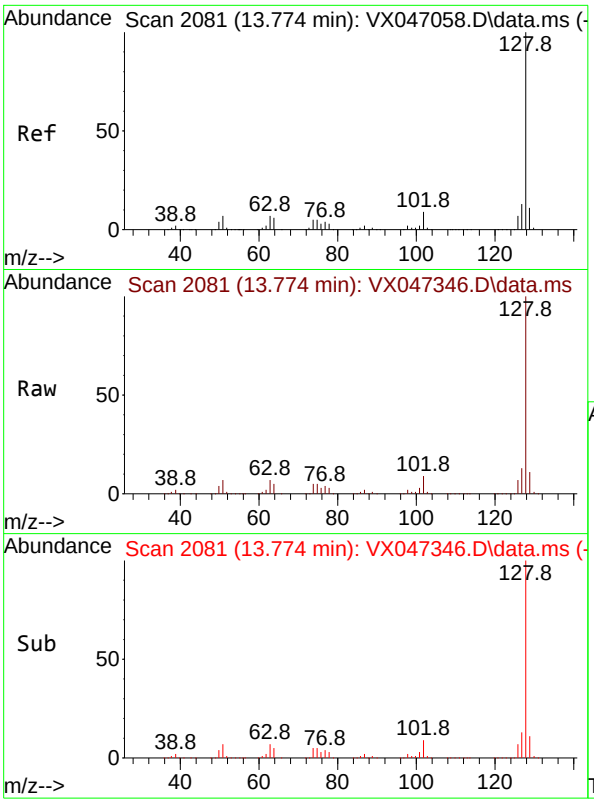


#94
Hexachlorobutadiene
Concen: 42.074 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:225 Resp: 56237

Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.6	95.0
227	63.2	32.9	98.6

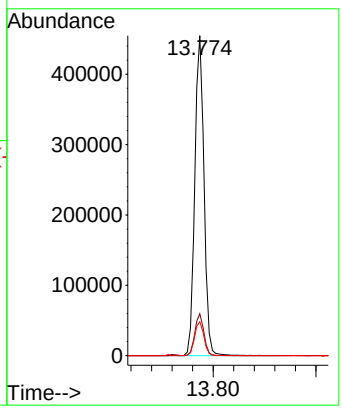




#95
Naphthalene
Concen: 49.237 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:128 Resp: 56728

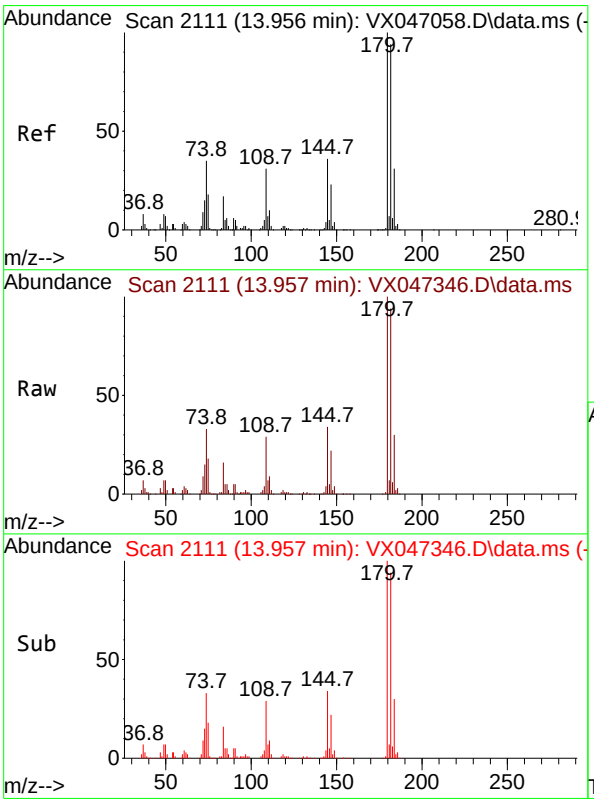
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.7	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Manual Integrations
APPROVED

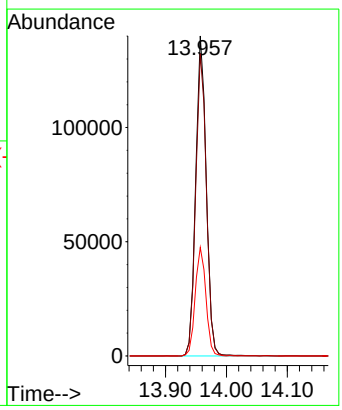
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 44.417 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:180 Resp: 168173

Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.9	140.6
145	34.3	17.3	52.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	67	0.00
2	T	Dichlorodifluoromethane	50.000	44.552	10.9	52	0.00
3	P	Chloromethane	50.000	42.674	14.7	54	0.00
4	C	Vinyl Chloride	50.000	45.194	9.6#	55	0.00
5	T	Bromomethane	50.000	35.133	29.7#	40	0.00
6	T	Chloroethane	50.000	49.260	1.5	65	0.00
7	T	Trichlorofluoromethane	50.000	44.538	10.9	54	0.00
8	T	Diethyl Ether	50.000	50.082	-0.2	64	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	43.287	13.4	55	0.00
10	T	Methyl Iodide	50.000	71.083	-42.2#	85	0.00
11	T	Tert butyl alcohol	250.000	287.013	-14.8	76	0.00
12	CM	1,1-Dichloroethene	50.000	46.053	7.9#	58	0.00
13	T	Acrolein	250.000	269.492	-7.8	70	0.00
14	T	Allyl chloride	50.000	45.765	8.5	56	0.00
15	T	Acrylonitrile	250.000	280.605	-12.2	68	0.01
16	T	Acetone	250.000	274.381	-9.8	73	0.00
17	T	Carbon Disulfide	50.000	42.909	14.2	54	0.00
18	T	Methyl Acetate	50.000	65.409	-30.8#	85	0.00
19	T	Methyl tert-butyl Ether	50.000	52.161	-4.3	65	0.00
20	T	Methylene Chloride	50.000	49.279	1.4	63	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.436	5.1	59	0.00
22	T	Diisopropyl ether	50.000	51.450	-2.9	64	0.00
23	T	Vinyl Acetate	250.000	267.249	-6.9	65	0.00
24	P	1,1-Dichloroethane	50.000	48.604	2.8	61	0.00
25	T	2-Butanone	250.000	264.931	-6.0	66	0.00
26	T	2,2-Dichloropropane	50.000	45.732	8.5	59	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.009	2.0	62	0.00
28	T	Bromochloromethane	50.000	51.172	-2.3	63	0.00
29	T	Tetrahydrofuran	250.000	273.186	-9.3	67	0.01
30	C	Chloroform	50.000	50.059	-0.1#	65	0.00
31	T	Cyclohexane	50.000	40.057	19.9	52	0.00
32	T	1,1,1-Trichloroethane	50.000	46.599	6.8	60	0.00
33	S	1,2-Dichloroethane-d4	50.000	54.745	-9.5	80	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	72	0.00
35	S	Dibromofluoromethane	50.000	47.213	5.6	71	0.00
36	T	1,1-Dichloropropene	50.000	40.742	18.5	56	0.00
37	T	Ethyl Acetate	50.000	56.537	-13.1	77	0.00
38	T	Carbon Tetrachloride	50.000	43.627	12.7	59	0.00
39	T	Methylcyclohexane	50.000	38.272	23.5	52	0.00
40	TM	Benzene	50.000	46.260	7.5	61	0.00
41	T	Methacrylonitrile	50.000	48.853	2.3	61	0.02
42	TM	1,2-Dichloroethane	50.000	48.749	2.5	65	0.00
43	T	Isopropyl Acetate	50.000	53.447	-6.9	68	0.00
44	TM	Trichloroethene	50.000	44.020	12.0	59	0.00
45	C	1,2-Dichloropropane	50.000	47.350	5.3#	64	0.00
46	T	Dibromomethane	50.000	51.312	-2.6	67	0.00
47	T	Bromodichloromethane	50.000	48.109	3.8	64	0.00
48	T	Methyl methacrylate	50.000	50.286	-0.6	68	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	970.369	3.0	63	0.02
50	S	Toluene-d8	50.000	49.520	1.0	77	0.00
51	T	4-Methyl-2-Pentanone	250.000	273.536	-9.4	71	0.00
52	CM	Toluene	50.000	46.158	7.7#	61	0.00
53	T	t-1,3-Dichloropropene	50.000	47.148	5.7	62	0.00
54	T	cis-1,3-Dichloropropene	50.000	46.601	6.8	60	0.00
55	T	1,1,2-Trichloroethane	50.000	50.800	-1.6	68	0.00
56	T	Ethyl methacrylate	50.000	53.433	-6.9	67	0.00
57	T	1,3-Dichloropropane	50.000	49.129	1.7	66	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	218.383	12.6	56	0.00
59	T	2-Hexanone	250.000	291.456	-16.6	72	0.00
60	T	Dibromochloromethane	50.000	49.621	0.8	66	0.00
61	T	1,2-Dibromoethane	50.000	49.748	0.5	66	0.00
62	S	4-Bromofluorobenzene	50.000	45.296	9.4	69	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	74	0.00
64	T	Tetrachloroethene	50.000	41.472	17.1	59	0.00
65	PM	Chlorobenzene	50.000	44.744	10.5	63	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	45.994	8.0	64	0.00
67	C	Ethyl Benzene	50.000	43.616	12.8#	60	0.00
68	T	m/p-Xylenes	100.000	87.716	12.3	61	0.00
69	T	o-Xylene	50.000	45.384	9.2	63	0.00
70	T	Styrene	50.000	45.654	8.7	62	0.00
71	P	Bromoform	50.000	48.644	2.7	67	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	77	0.00
73	T	Isopropylbenzene	50.000	42.699	14.6	60	0.00
74	T	N-amyl acetate	50.000	46.606	6.8	64	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	49.195	1.6	71	0.00
76	T	1,2,3-Trichloropropane	50.000	46.914	6.2	68	0.00
77	T	Bromobenzene	50.000	44.295	11.4	64	0.00
78	T	n-propylbenzene	50.000	42.392	15.2	60	0.00
79	T	2-Chlorotoluene	50.000	43.408	13.2	62	0.00
80	T	1,3,5-Trimethylbenzene	50.000	42.983	14.0	62	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	19.981	60.0#	28	0.00
82	T	4-Chlorotoluene	50.000	43.498	13.0	62	0.00
83	T	tert-Butylbenzene	50.000	42.963	14.1	61	0.00
84	T	1,2,4-Trimethylbenzene	50.000	43.425	13.2	61	0.00
85	T	sec-Butylbenzene	50.000	41.609	16.8	60	0.00
86	T	p-Isopropyltoluene	50.000	41.656	16.7	59	0.00
87	T	1,3-Dichlorobenzene	50.000	43.475	13.0	63	0.00
88	T	1,4-Dichlorobenzene	50.000	43.352	13.3	65	0.00
89	T	n-Butylbenzene	50.000	41.429	17.1	59	0.00
90	T	Hexachloroethane	50.000	40.942	18.1	59	0.00
91	T	1,2-Dichlorobenzene	50.000	44.357	11.3	65	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	52.778	-5.6	74	0.00
93	T	1,2,4-Trichlorobenzene	50.000	44.566	10.9	64	0.00
94	T	Hexachlorobutadiene	50.000	42.074	15.9	62	0.00
95	T	Naphthalene	50.000	49.237	1.5	68	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	44.417	11.2	64	0.00

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	67	0.00
2	T	Dichlorodifluoromethane	0.664	0.592	10.8	52	0.00
3	P	Chloromethane	0.657	0.561	14.6	54	0.00
4	C	Vinyl Chloride	0.706	0.638	9.6#	55	0.00
5	T	Bromomethane	0.384	0.270	29.7#	40#	0.00
6	T	Chloroethane	0.464	0.457	1.5	65	0.00
7	T	Trichlorofluoromethane	1.053	0.938	10.9	54	0.00
8	T	Diethyl Ether	0.371	0.372	-0.3	64	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.634	0.549	13.4	55	0.00
10	T	Methyl Iodide	0.647	0.919	-42.0#	85	0.00
11	T	Tert butyl alcohol	0.080	0.083	-3.8	76	0.00
12	CM	1,1-Dichloroethene	0.628	0.579	7.8#	58	0.00
13	T	Acrolein	0.134	0.145	-8.2	70	0.00
14	T	Allyl chloride	1.136	1.040	8.5	56	0.00
15	T	Acrylonitrile	0.297	0.333	-12.1	68	0.01
16	T	Acetone	0.250	0.274	-9.6	73	0.00
17	T	Carbon Disulfide	1.818	1.560	14.2	54	0.00
18	T	Methyl Acetate	0.663	0.867	-30.8#	85	0.00
19	T	Methyl tert-butyl Ether	1.912	1.995	-4.3	65	0.00
20	T	Methylene Chloride	0.686	0.677	1.3	63	0.00
21	T	trans-1,2-Dichloroethene	0.643	0.610	5.1	59	0.00
22	T	Diisopropyl ether	2.184	2.247	-2.9	64	0.00
23	T	Vinyl Acetate	1.752	1.872	-6.8	65	0.00
24	P	1,1-Dichloroethane	1.214	1.180	2.8	61	0.00
25	T	2-Butanone	0.363	0.385	-6.1	66	0.00
26	T	2,2-Dichloropropane	0.940	0.860	8.5	59	0.00
27	T	cis-1,2-Dichloroethene	0.761	0.746	2.0	62	0.00
28	T	Bromochloromethane	0.559	0.572	-2.3	63	0.00
29	T	Tetrahydrofuran	0.234	0.256	-9.4	67	0.01
30	C	Chloroform	1.236	1.238	-0.2#	65	0.00
31	T	Cyclohexane	1.164	0.933	19.8	52	0.00
32	T	1,1,1-Trichloroethane	1.074	1.001	6.8	60	0.00
33	S	1,2-Dichloroethane-d4	0.623	0.682	-9.5	80	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	72	0.00
35	S	Dibromofluoromethane	0.309	0.292	5.5	71	0.00
36	T	1,1-Dichloropropene	0.526	0.429	18.4	56	0.00
37	T	Ethyl Acetate	0.485	0.548	-13.0	77	0.00
38	T	Carbon Tetrachloride	0.562	0.490	12.8	59	0.00
39	T	Methylcyclohexane	0.657	0.503	23.4	52	0.00
40	TM	Benzene	1.523	1.409	7.5	61	0.00
41	T	Methacrylonitrile	0.254	0.248	2.4	61	0.02
42	TM	1,2-Dichloroethane	0.536	0.523	2.4	65	0.00
43	T	Isopropyl Acetate	0.756	0.808	-6.9	68	0.00
44	TM	Trichloroethene	0.391	0.344	12.0	59	0.00
45	C	1,2-Dichloropropane	0.381	0.361	5.2#	64	0.00
46	T	Dibromomethane	0.267	0.274	-2.6	67	0.00
47	T	Bromodichloromethane	0.569	0.548	3.7	64	0.00
48	T	Methyl methacrylate	0.412	0.414	-0.5	68	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.005	0.005	0.0	63	0.02
50	S	Toluene-d8	1.000	0.990	1.0	77	0.00
51	T	4-Methyl-2-Pentanone	0.449	0.492	-9.6	71	0.00
52	CM	Toluene	0.936	0.864	7.7#	61	0.00
53	T	t-1,3-Dichloropropene	0.538	0.507	5.8	62	0.00
54	T	cis-1,3-Dichloropropene	0.588	0.548	6.8	60	0.00
55	T	1,1,2-Trichloroethane	0.351	0.357	-1.7	68	0.00
56	T	Ethyl methacrylate	0.520	0.556	-6.9	67	0.00
57	T	1,3-Dichloropropane	0.610	0.600	1.6	66	0.00
58	T	2-Chloroethyl Vinyl ether	0.289	0.253	12.5	56	0.00
59	T	2-Hexanone	0.297	0.346	-16.5	72	0.00
60	T	Dibromochloromethane	0.412	0.409	0.7	66	0.00
61	T	1,2-Dibromoethane	0.367	0.365	0.5	66	0.00
62	S	4-Bromofluorobenzene	0.431	0.390	9.5	69	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	74	0.00
64	T	Tetrachloroethene	0.360	0.299	16.9	59	0.00
65	PM	Chlorobenzene	1.171	1.048	10.5	63	0.00
66	T	1,1,1,2-Tetrachloroethane	0.394	0.363	7.9	64	0.00
67	C	Ethyl Benzene	2.048	1.787	12.7#	60	0.00
68	T	m/p-Xylenes	0.766	0.672	12.3	61	0.00
69	T	o-Xylene	0.729	0.662	9.2	63	0.00
70	T	Styrene	1.250	1.142	8.6	62	0.00
71	P	Bromoform	0.300	0.291	3.0	67	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	77	0.00
73	T	Isopropylbenzene	3.945	3.369	14.6	60	0.00
74	T	N-amyl acetate	1.592	1.484	6.8	64	0.00
75	P	1,1,2,2-Tetrachloroethane	1.127	1.109	1.6	71	0.00
76	T	1,2,3-Trichloropropane	0.925	0.868	6.2	68	0.00
77	T	Bromobenzene	0.946	0.838	11.4	64	0.00
78	T	n-propylbenzene	4.714	3.997	15.2	60	0.00
79	T	2-Chlorotoluene	2.818	2.446	13.2	62	0.00
80	T	1,3,5-Trimethylbenzene	3.259	2.802	14.0	62	0.00
81	T	trans-1,4-Dichloro-2-butene	0.359	0.144	59.9#	28#	0.00
82	T	4-Chlorotoluene	3.289	2.861	13.0	62	0.00
83	T	tert-Butylbenzene	3.271	2.811	14.1	61	0.00
84	T	1,2,4-Trimethylbenzene	3.251	2.823	13.2	61	0.00
85	T	sec-Butylbenzene	4.087	3.401	16.8	60	0.00
86	T	p-Isopropyltoluene	3.389	2.824	16.7	59	0.00
87	T	1,3-Dichlorobenzene	1.798	1.563	13.1	63	0.00
88	T	1,4-Dichlorobenzene	1.821	1.579	13.3	65	0.00
89	T	n-Butylbenzene	3.178	2.634	17.1	59	0.00
90	T	Hexachloroethane	0.606	0.496	18.2	59	0.00
91	T	1,2-Dichlorobenzene	1.718	1.524	11.3	65	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.216	0.228	-5.6	74	0.00
93	T	1,2,4-Trichlorobenzene	1.135	1.012	10.8	64	0.00
94	T	Hexachlorobutadiene	0.386	0.325	15.8	62	0.00
95	T	Naphthalene	3.328	3.277	1.5	68	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.094	0.972	11.2	64	0.00

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

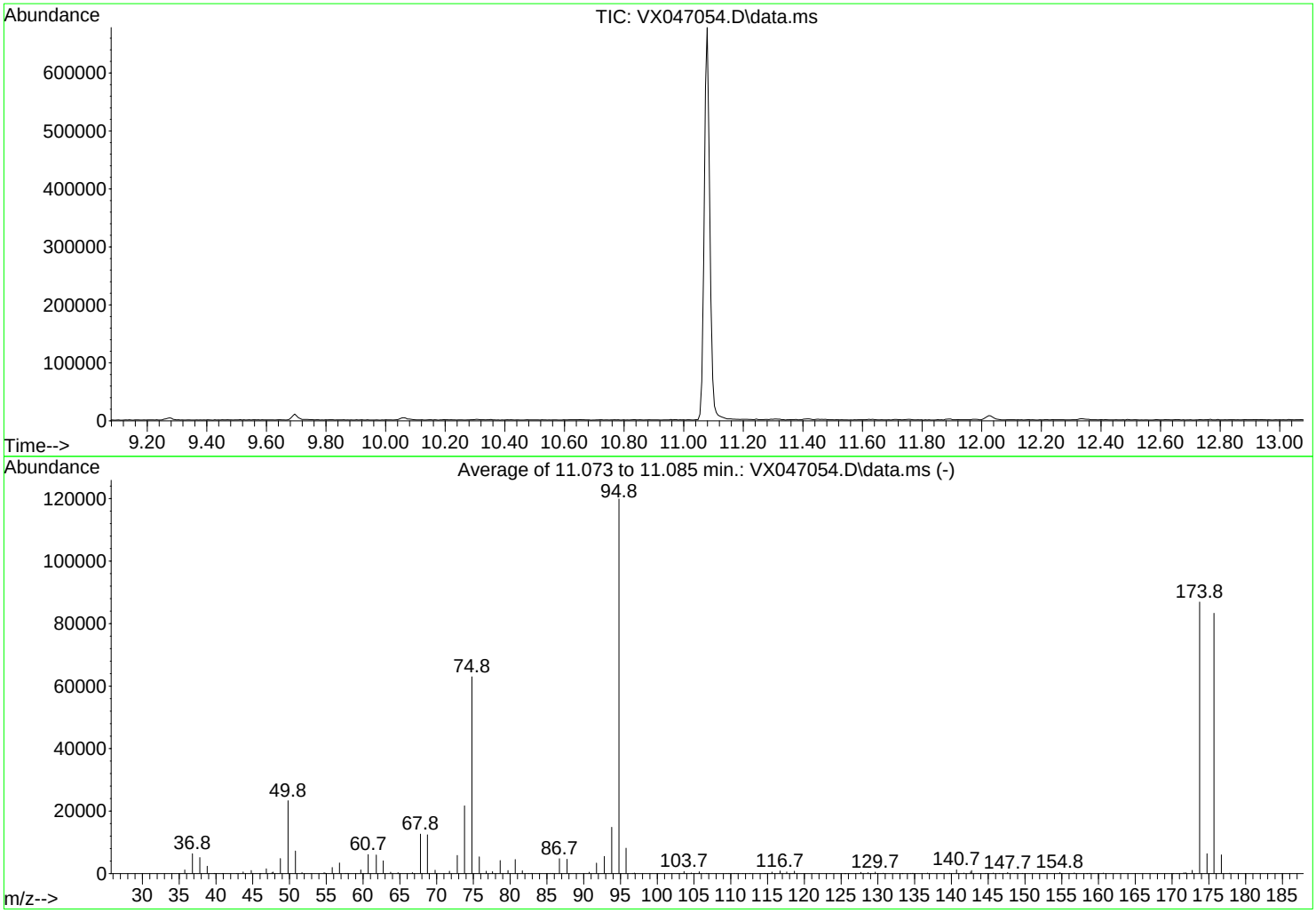
QC SAMPLE DATA

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

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

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



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

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

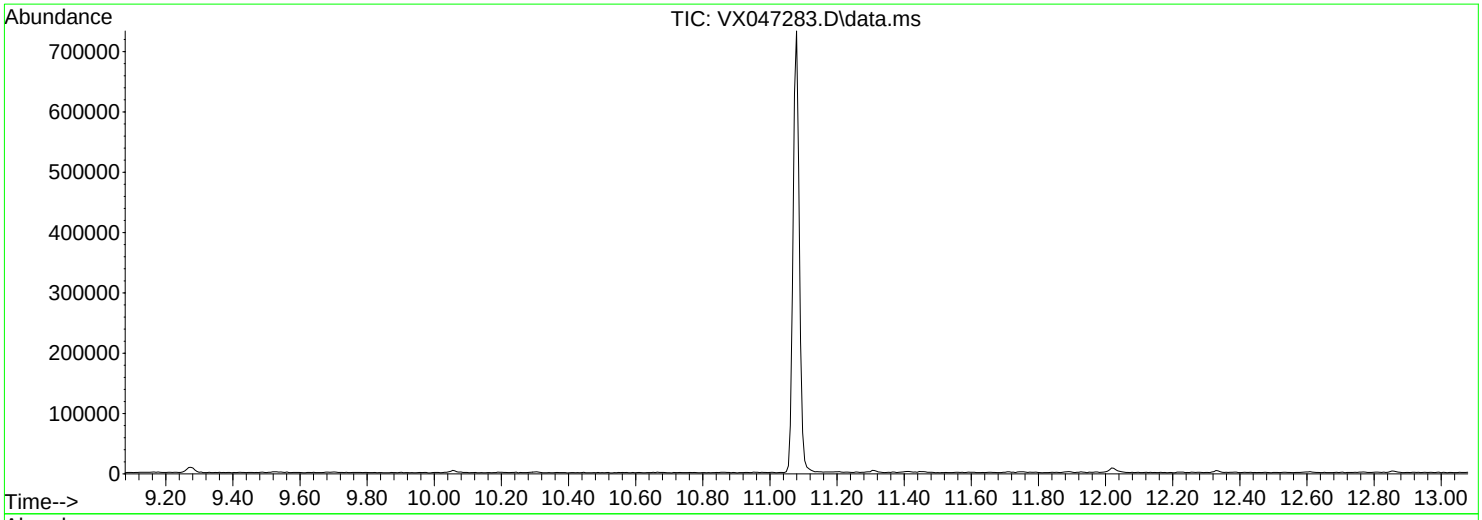
Sample Results: **VX047283.D**

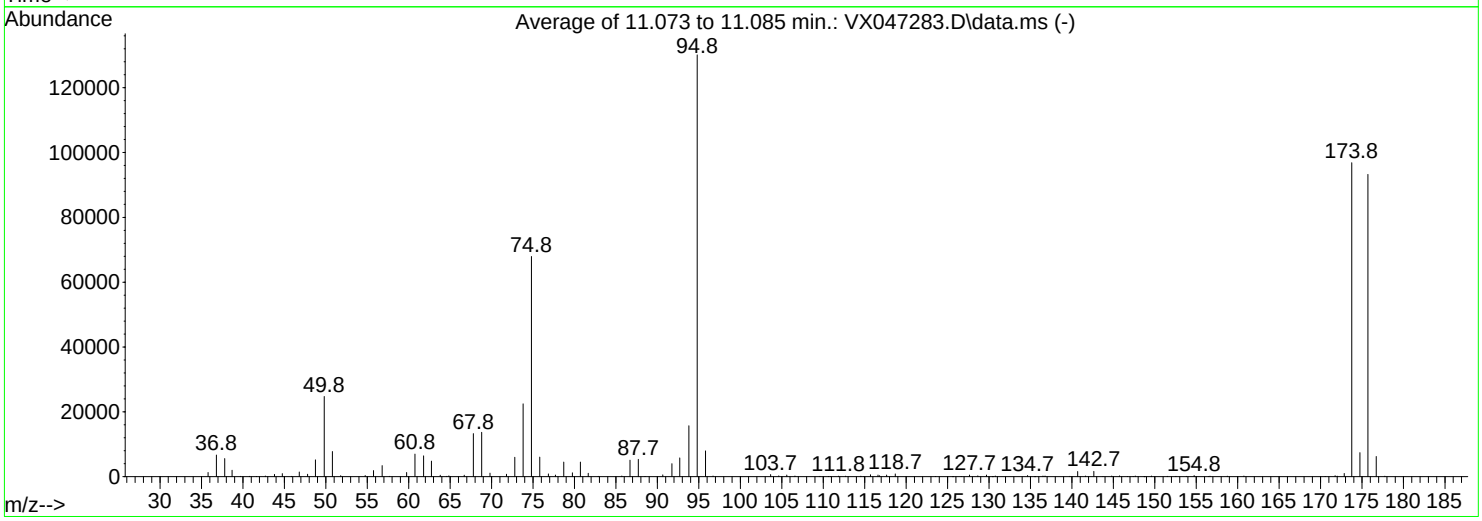
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047283.D
Acq On : 12 Aug 2025 07:51
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

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





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

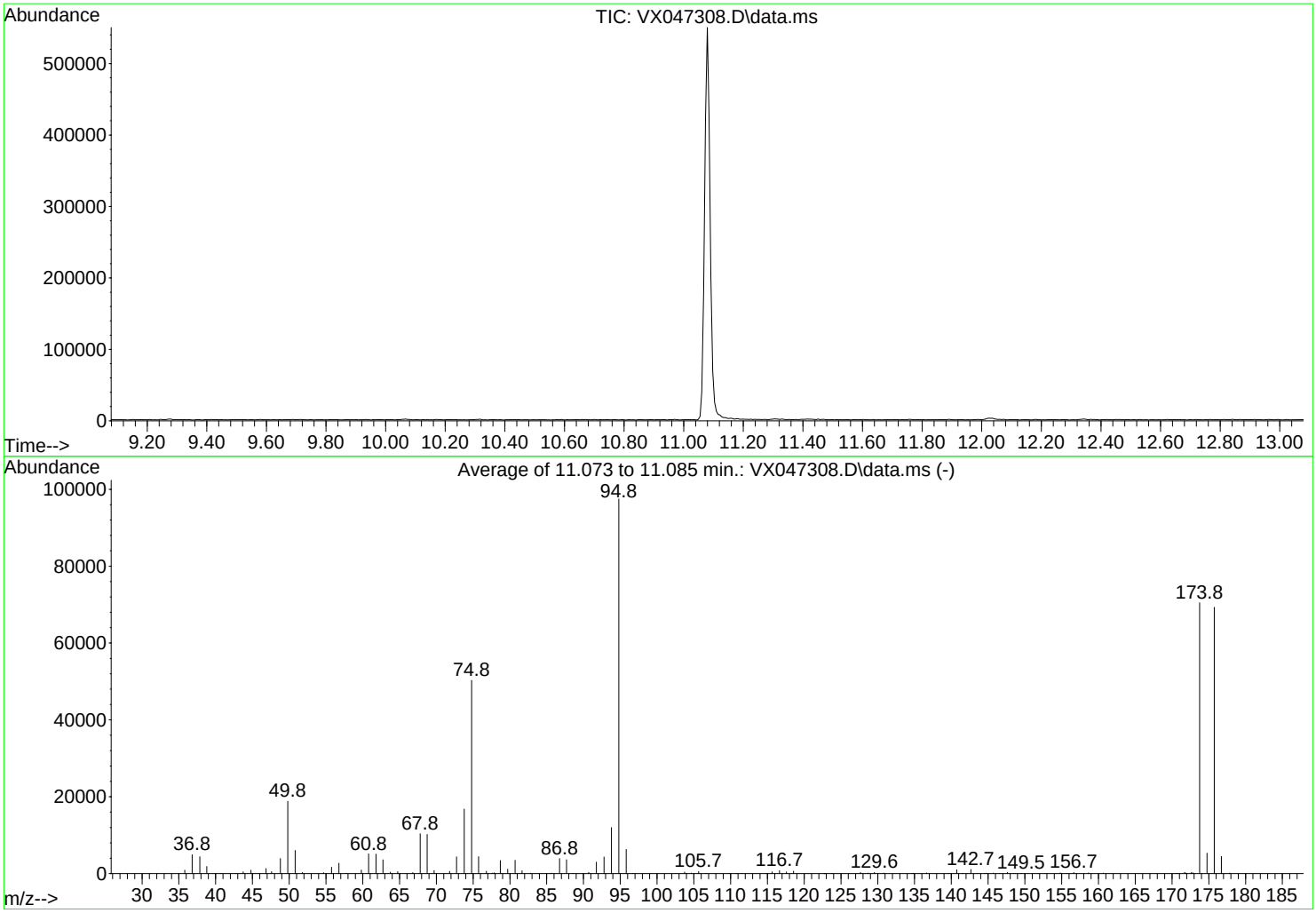
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.0	24728	PASS
75	95	30	60	52.2	67917	PASS
95	95	100	100	100.0	130141	PASS
96	95	5	9	6.1	7939	PASS
173	174	0.00	2	1.0	984	PASS
174	95	50	100	74.4	96872	PASS
175	174	5	9	7.6	7407	PASS
176	174	95	101	96.3	93272	PASS
177	176	5	9	6.7	6236	PASS

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047308.D
Acq On : 13 Aug 2025 08:30
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

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



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

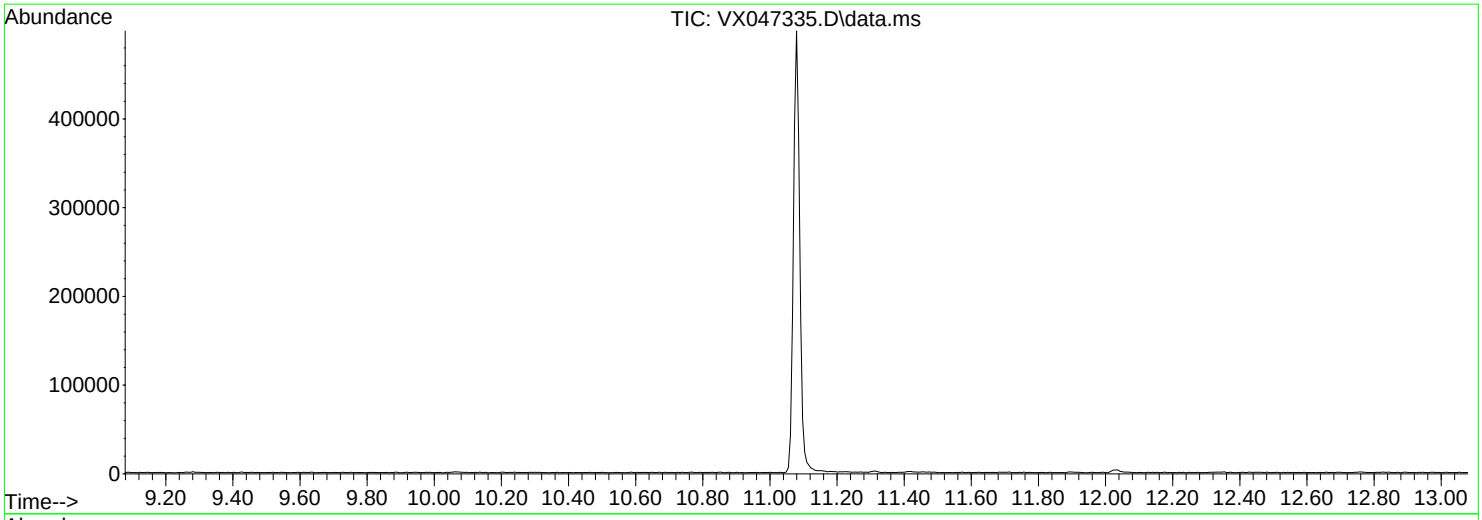
Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	19.3	18818	PASS
75	95	30	60	51.6	50309	PASS
95	95	100	100	100.0	97485	PASS
96	95	5	9	6.5	6306	PASS
173	174	0.00	2	0.4	267	PASS
174	95	50	100	72.3	70472	PASS
175	174	5	9	7.6	5338	PASS
176	174	95	101	98.4	69315	PASS
177	176	5	9	6.4	4463	PASS

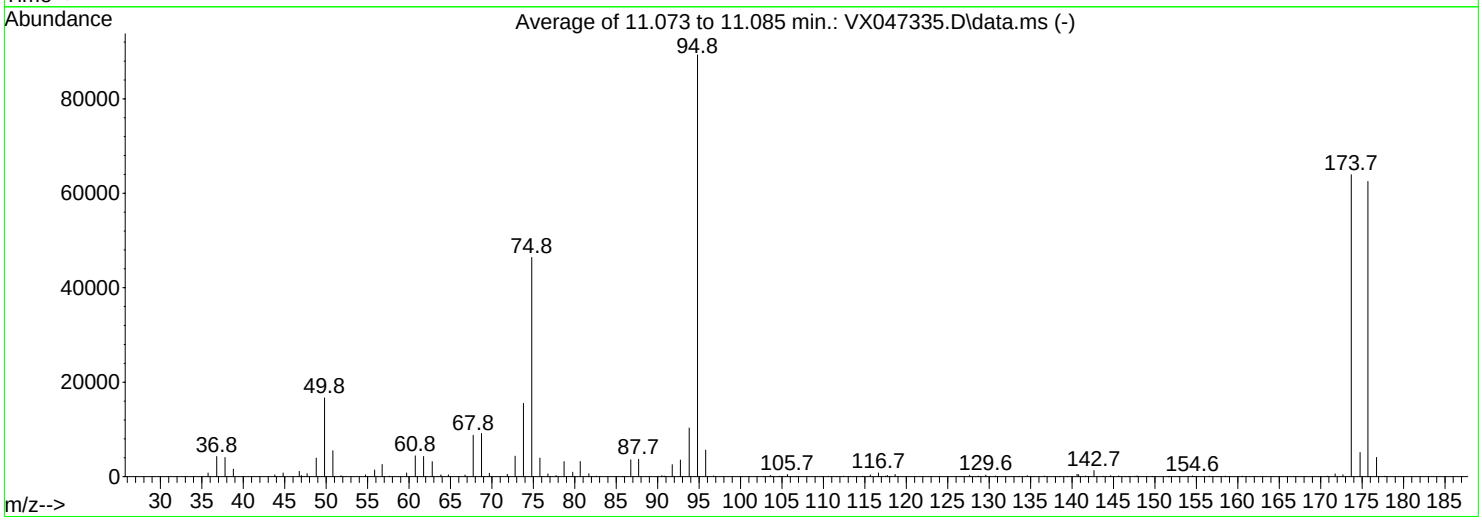
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047335.D
Acq On : 14 Aug 2025 08:54
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

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





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	18.7	16659	PASS
75	95	30	60	52.0	46413	PASS
95	95	100	100	100.0	89312	PASS
96	95	5	9	6.3	5639	PASS
173	174	0.00	2	0.7	424	PASS
174	95	50	100	71.6	63941	PASS
175	174	5	9	8.0	5124	PASS
176	174	95	101	97.7	62496	PASS
177	176	5	9	6.5	4059	PASS

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0812WBL02	SDG No.:	Q2814
Lab Sample ID:	VX0812WBL02	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
VX047287.D	1	08/12/25 11:17	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	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:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0812WBL02	SDG No.:	Q2814
Lab Sample ID:	VX0812WBL02	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
VX047287.D	1	08/12/25 11:17	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	55.8		81 - 118		112%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		80 - 119		99%	SPK: 50
2037-26-5	Toluene-d8	55.1		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.2		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	347000	5.562				
540-36-3	1,4-Difluorobenzene	664000	6.763				
3114-55-4	Chlorobenzene-d5	641000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	313000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0812WBL02	SDG No.:	Q2814
Lab Sample ID:	VX0812WBL02	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
VX047287.D	1	08/12/25 11:17	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047287.D
Acq On : 12 Aug 2025 11:17
Operator : JC/MD
Sample : VX0812WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Quant Time: Aug 13 01:17:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	346553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	664166	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	641288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	313492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	241016	55.830	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 111.660%			
35) Dibromofluoromethane	5.391	113	202875	49.472	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.940%			
50) Toluene-d8	8.647	98	731358	55.071	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 110.140%			
62) 4-Bromofluorobenzene	11.079	95	304518	53.209	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 106.420%			

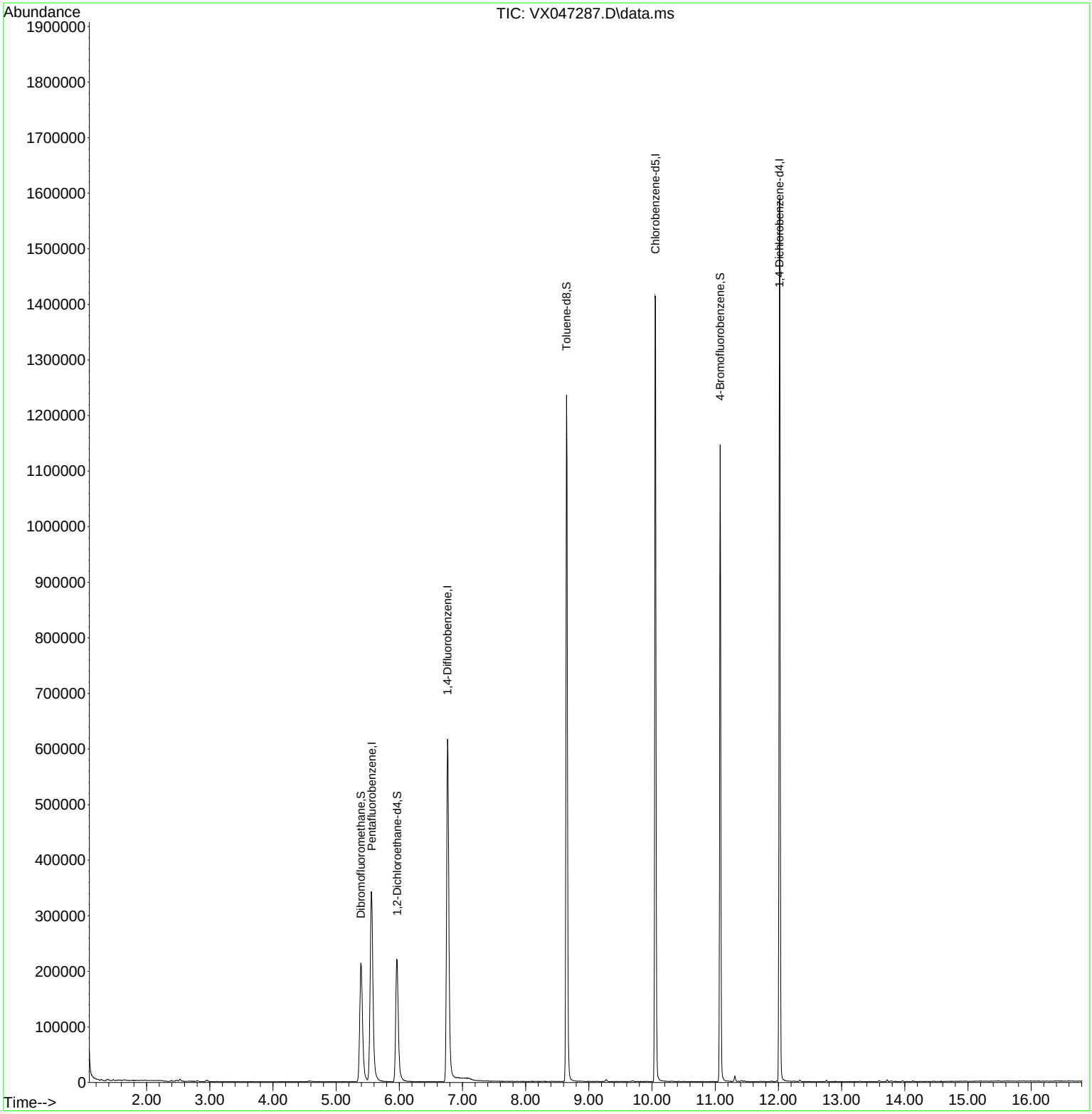
Target Compounds Qvalue

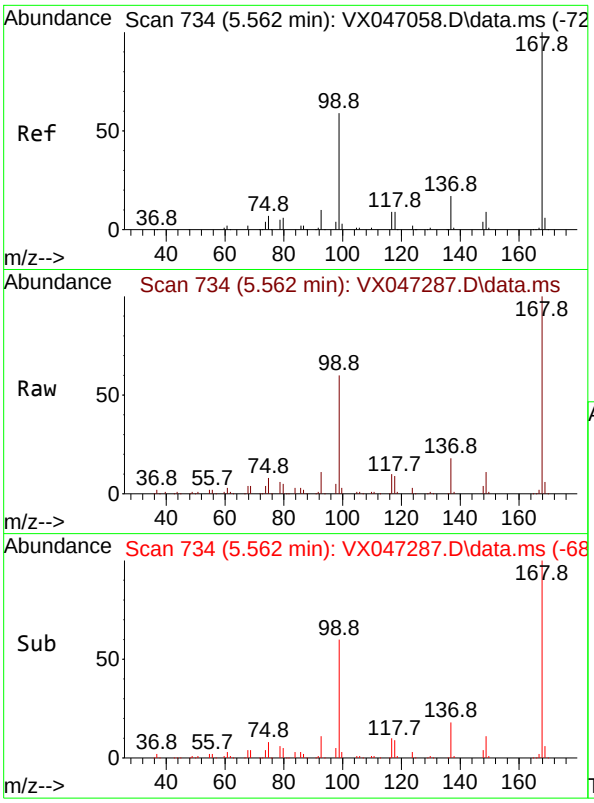
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047287.D
Acq On : 12 Aug 2025 11:17
Operator : JC/MD
Sample : VX0812WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Quant Time: Aug 13 01:17:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



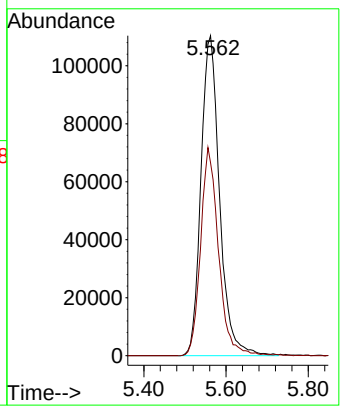


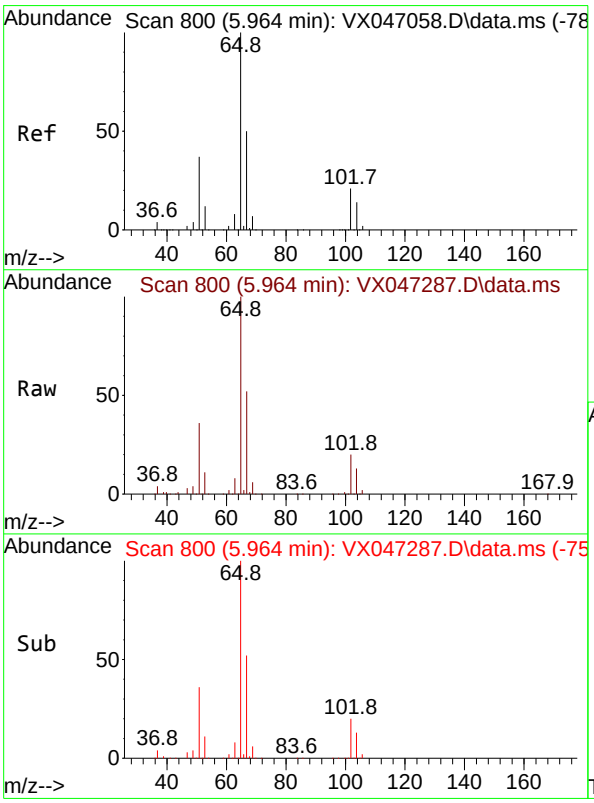
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Tgt Ion:168 Resp: 346553

Ion	Ratio	Lower	Upper
168	100		
99	60.4	48.0	72.0

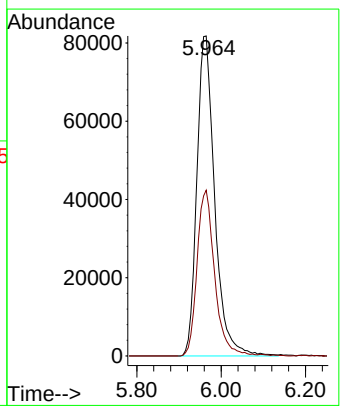


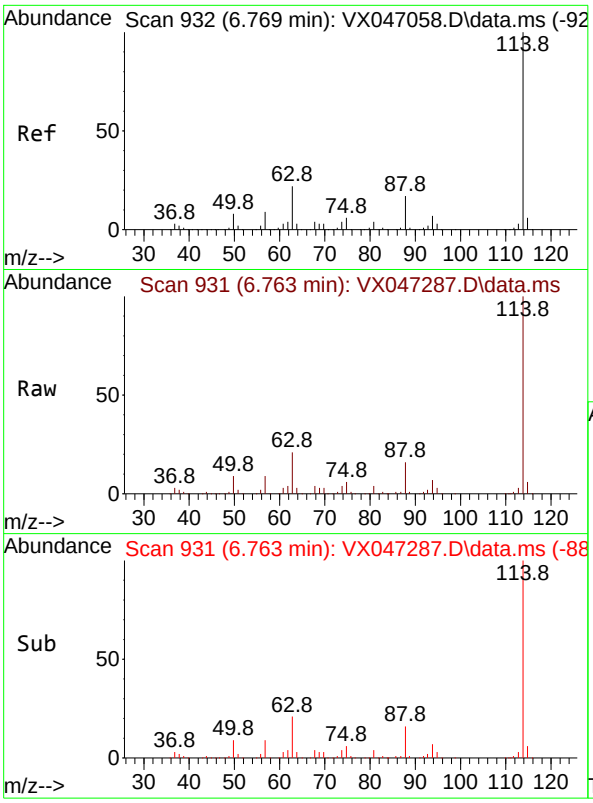


#33
1,2-Dichloroethane-d4
Concen: 55.830 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Tgt Ion: 65 Resp: 241016

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	104.8



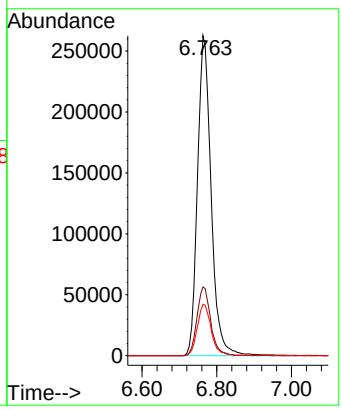


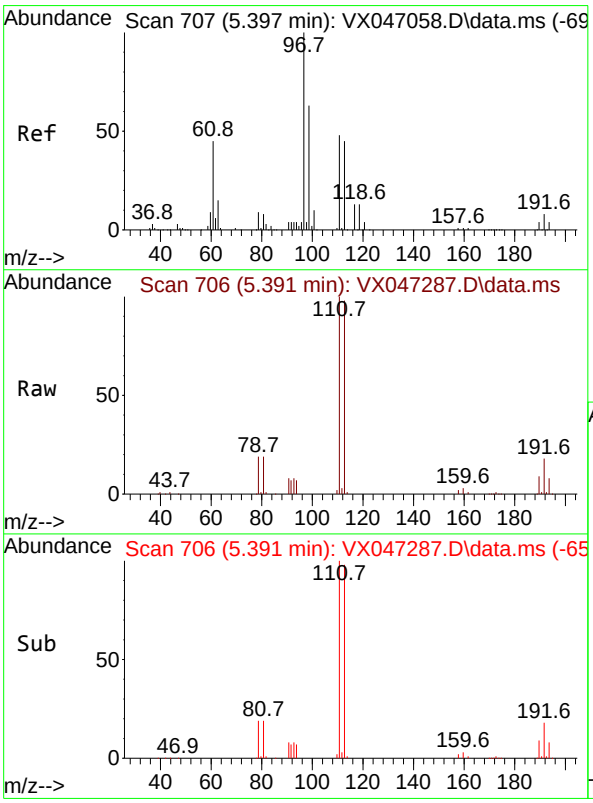
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Tgt Ion:114 Resp: 664166

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	43.2
88	16.1	0.0	33.8

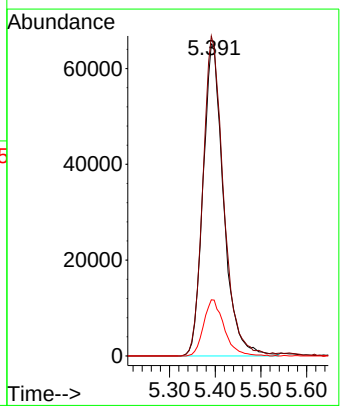


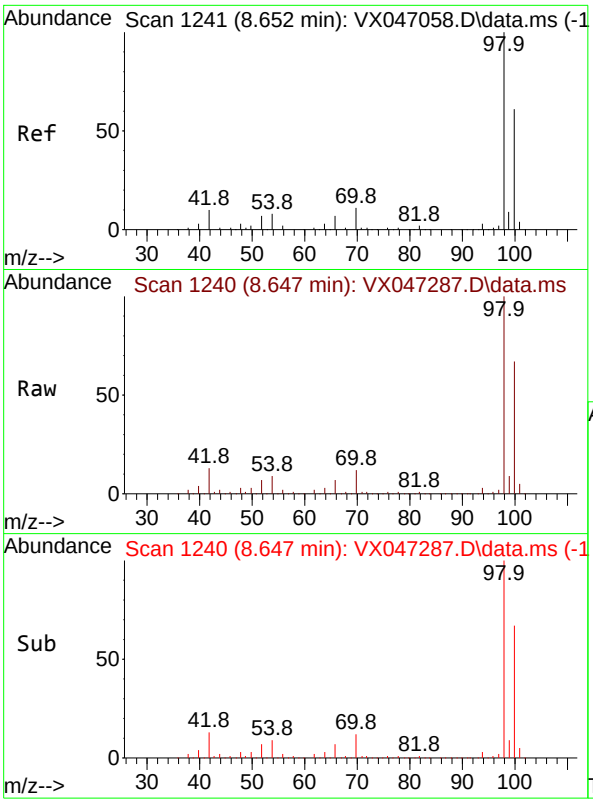


#35
Dibromofluoromethane
Concen: 49.472 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Tgt Ion:113 Resp: 202875

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	18.1	14.9	22.3



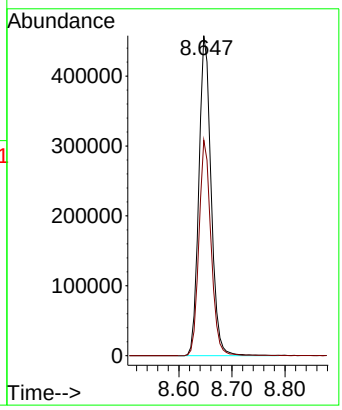


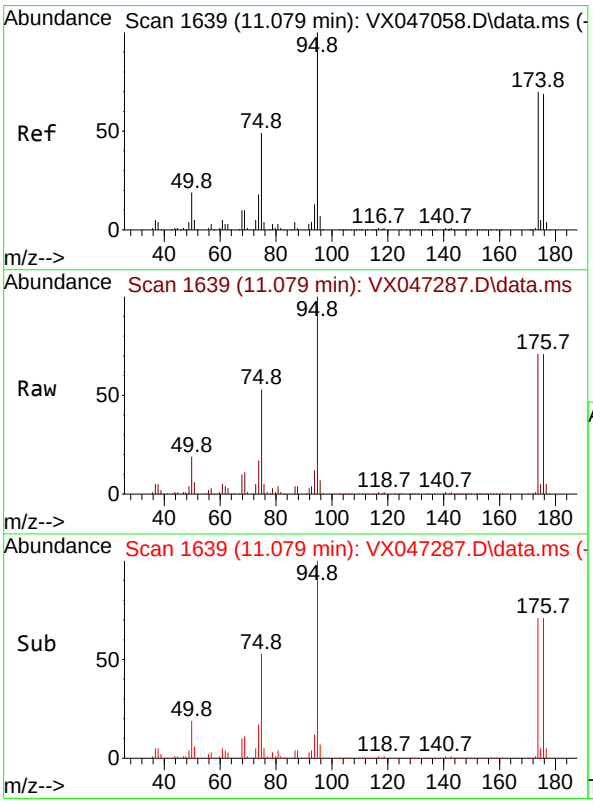
#50
Toluene-d8
Concen: 55.071 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Tgt Ion: 98 Resp: 731358

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9

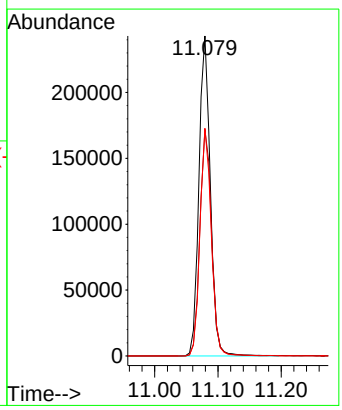


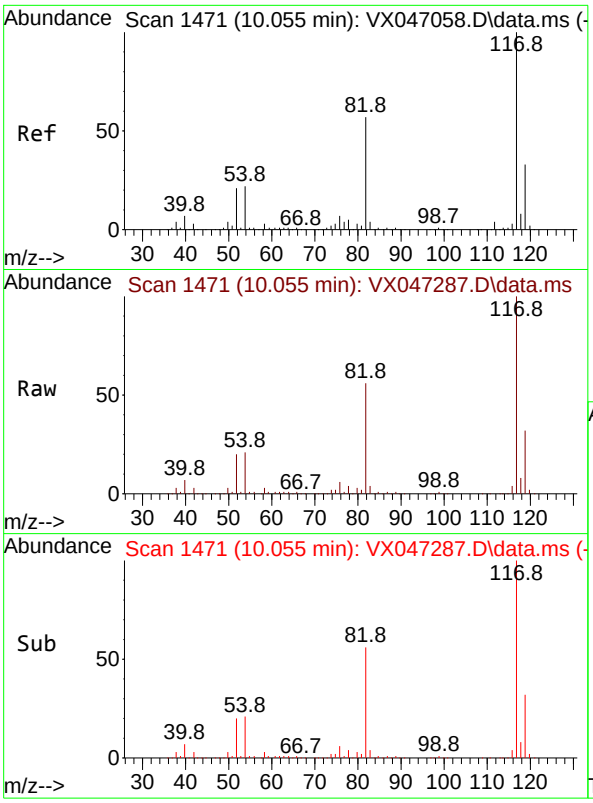


#62
4-Bromofluorobenzene
Concen: 53.209 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Tgt Ion: 95 Resp: 304518

Ion	Ratio	Lower	Upper
95	100		
174	73.2	0.0	144.6
176	70.9	0.0	139.6



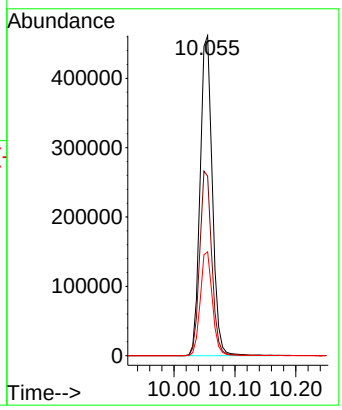


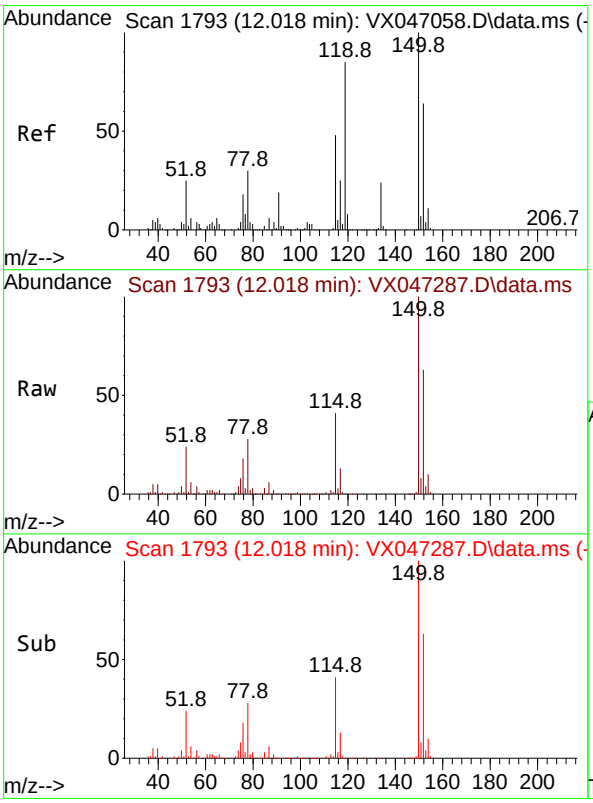
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Tgt Ion:117 Resp: 641288

Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.4	68.2
119	32.4	26.1	39.1

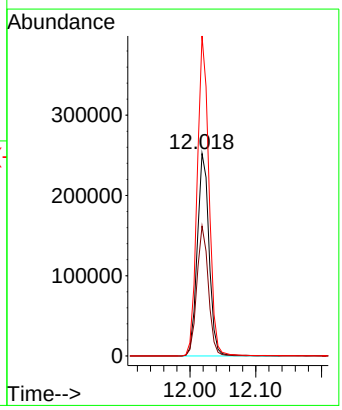




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047287.D
Acq: 12 Aug 2025 11:17

Tgt Ion:152 Resp: 313492

Ion	Ratio	Lower	Upper
152	100		
115	63.0	45.6	136.7
150	157.9	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047287.D
Acq On : 12 Aug 2025 11:17
Operator : JC/MD
Sample : VX0812WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047287.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.391	694	706	723	rBV2	213954	671501	33.66%	5.916%
2	5.556	723	733	761	rVB2	341600	1069461	53.61%	9.422%
3	5.958	790	799	817	rBV	220122	648202	32.49%	5.711%
4	6.763	921	931	955	rBV	616256	1591069	79.76%	14.017%
5	8.647	1234	1240	1261	rBV	1235120	1973549	98.93%	17.387%
6	10.049	1465	1470	1484	rBV	1413470	1994876	100.00%	17.575%
7	11.079	1633	1639	1653	rBV	1146114	1440768	72.22%	12.693%
8	12.018	1788	1793	1806	rBV	1588025	1961304	98.32%	17.279%

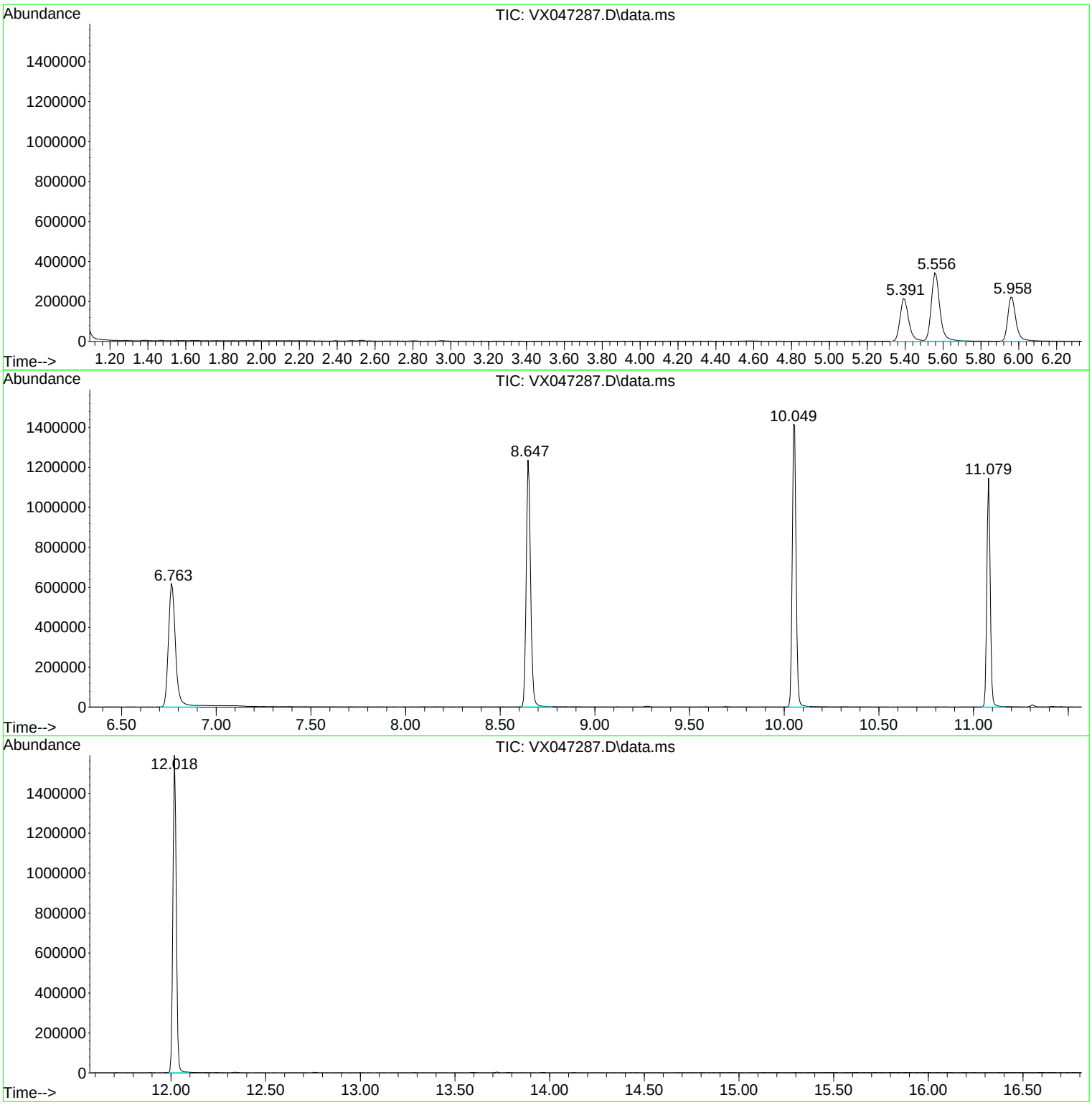
Sum of corrected areas: 11350730

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047287.D
Acq On : 12 Aug 2025 11:17
Operator : JC/MD
Sample : VX0812WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047287.D
Acq On : 12 Aug 2025 11:17
Operator : JC/MD
Sample : VX0812WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX081225\
Data File : VX047287.D
Acq On : 12 Aug 2025 11:17
Operator : JC/MD
Sample : VX0812WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBL02

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0813WBL01	SDG No.:	Q2814
Lab Sample ID:	VX0813WBL01	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
VX047311.D	1	08/13/25 11:02	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0813WBL01	SDG No.:	Q2814
Lab Sample ID:	VX0813WBL01	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
VX047311.D	1	08/13/25 11:02	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.9		81 - 118		116%	SPK: 50
1868-53-7	Dibromofluoromethane	56.7		80 - 119		113%	SPK: 50
2037-26-5	Toluene-d8	47.1		89 - 112		94%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.6		85 - 114		107%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	202000	5.562				
540-36-3	1,4-Difluorobenzene	360000	6.763				
3114-55-4	Chlorobenzene-d5	332000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	173000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0813WBL01	SDG No.:	Q2814
Lab Sample ID:	VX0813WBL01	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
VX047311.D	1	08/13/25 11:02	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081325\
Data File : VX047311.D
Acq On : 13 Aug 2025 11:02
Operator : JC/MD
Sample : VX0813WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

Quant Time: Aug 14 03:24:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	202155	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	360108	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	331541	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	172532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	145798	57.897	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 115.800%			
35) Dibromofluoromethane	5.397	113	126048	56.691	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.380%			
50) Toluene-d8	8.647	98	338862	47.061	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 94.120%			
62) 4-Bromofluorobenzene	11.079	95	166185	53.556	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 107.120%			

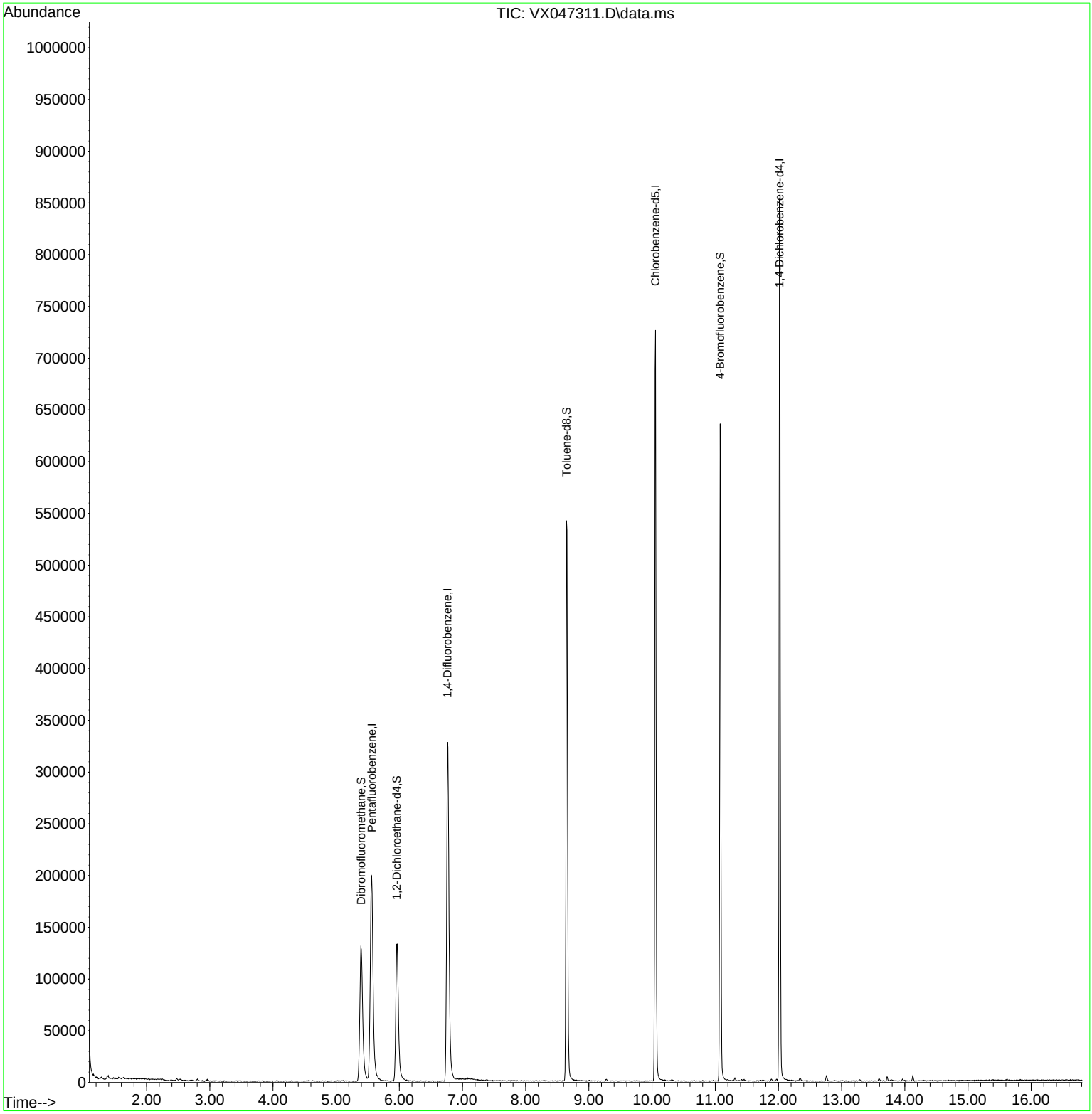
Target Compounds Qvalue

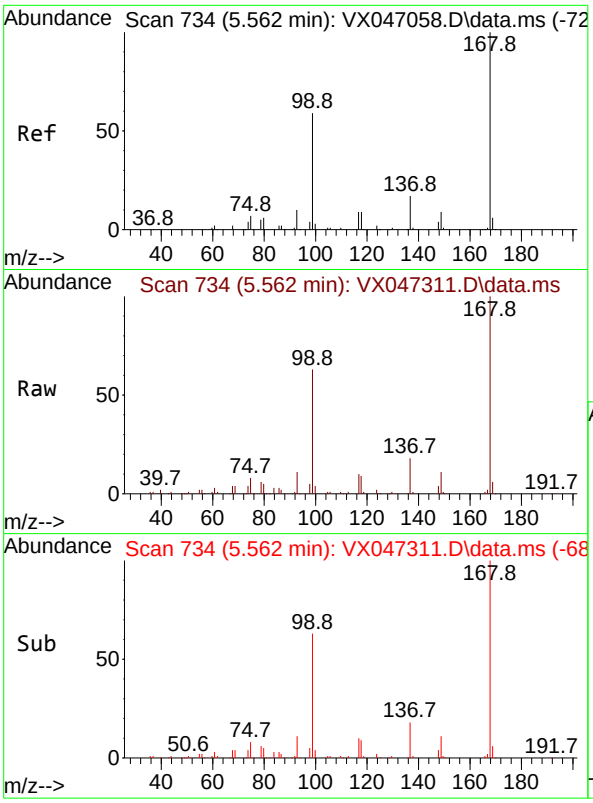
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047311.D
Acq On : 13 Aug 2025 11:02
Operator : JC/MD
Sample : VX0813WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

Quant Time: Aug 14 03:24:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



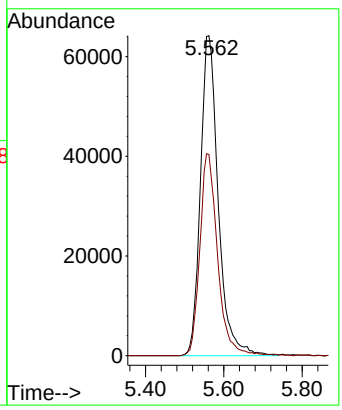


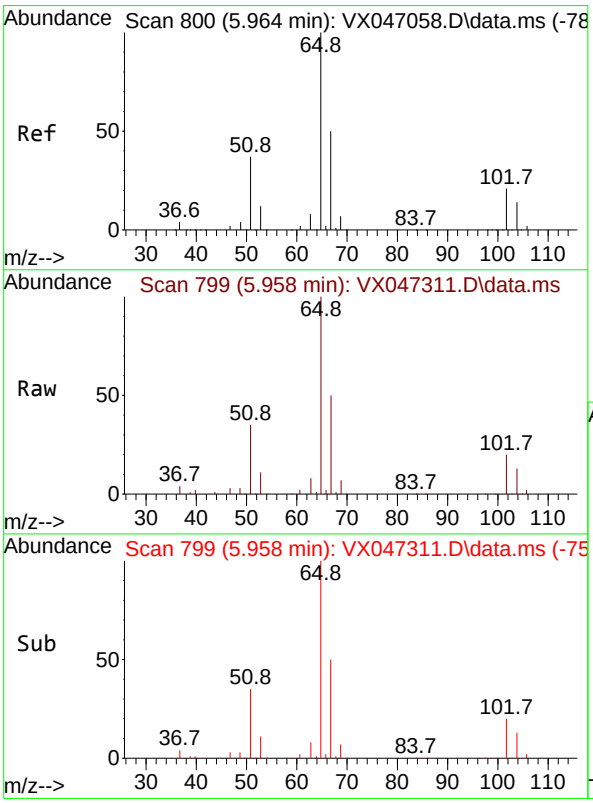
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047311.D
Acq: 13 Aug 2025 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

Tgt Ion:168 Resp: 202155

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.0	72.0

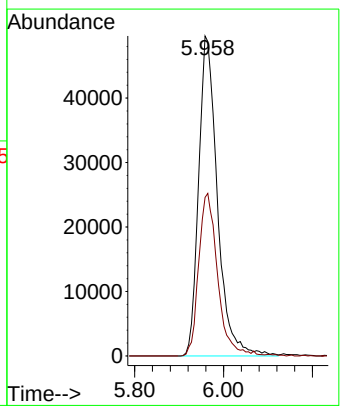


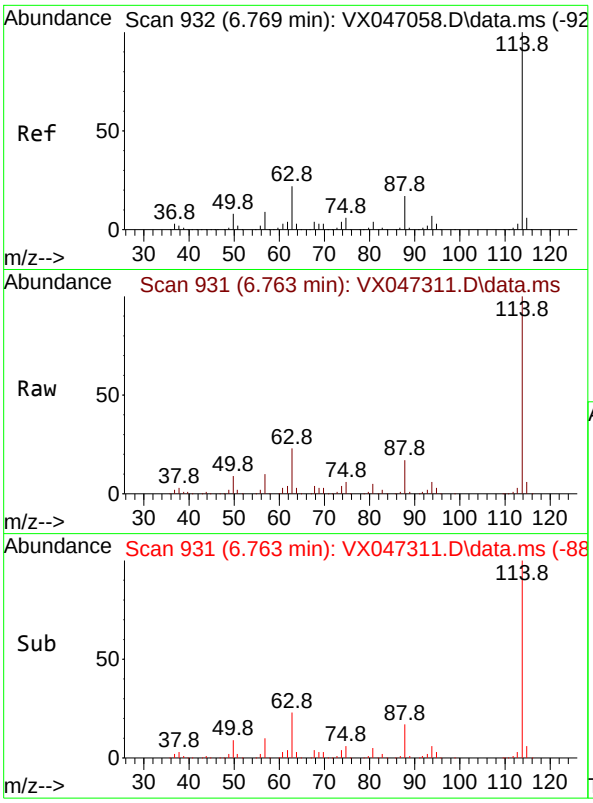


#33
1,2-Dichloroethane-d4
Concen: 57.897 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX047311.D
Acq: 13 Aug 2025 11:02

Tgt Ion: 65 Resp: 145798

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	104.8



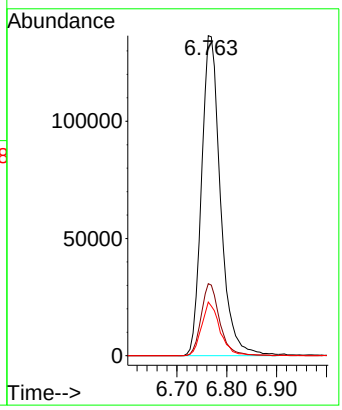


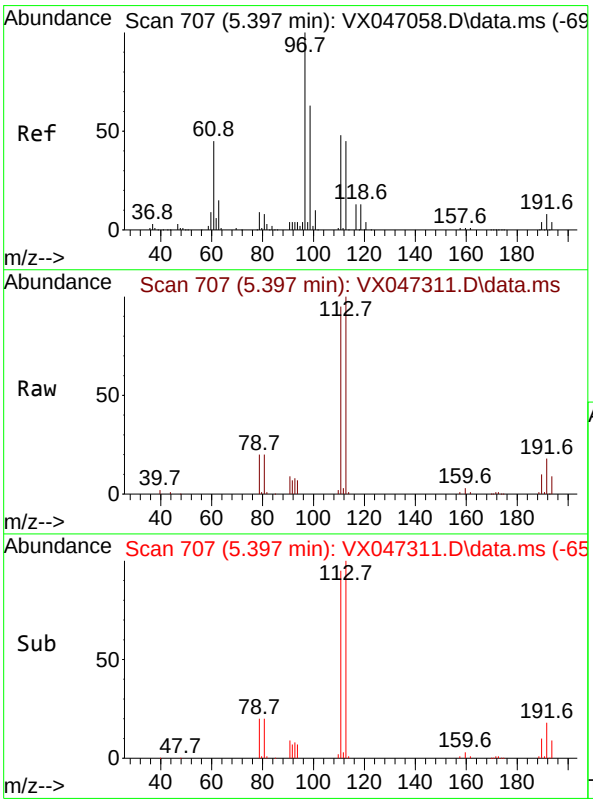
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047311.D
Acq: 13 Aug 2025 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

Tgt Ion:114 Resp: 360108

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	43.2
88	16.7	0.0	33.8

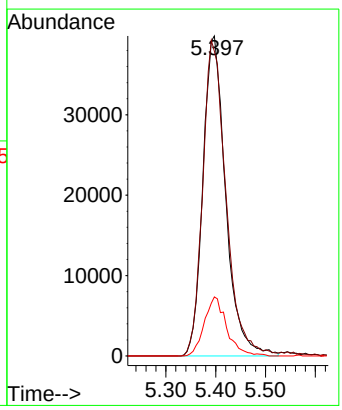


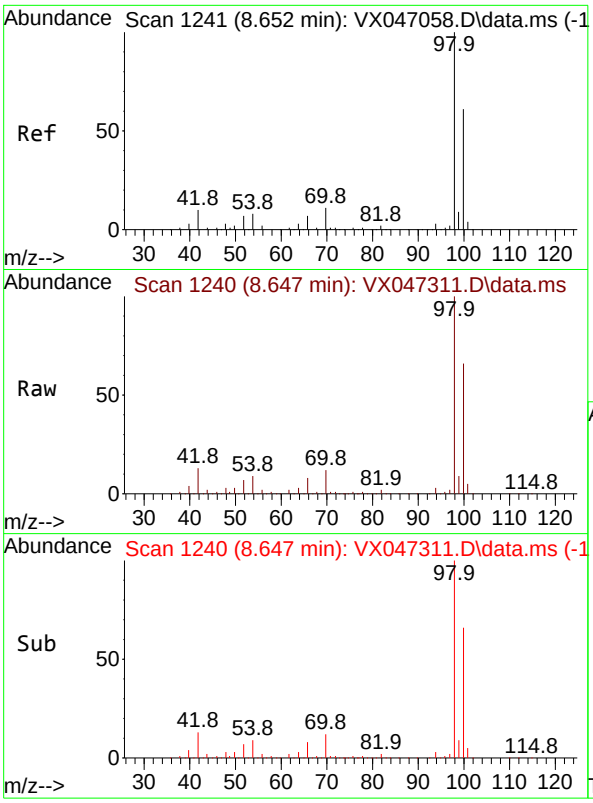


#35
Dibromofluoromethane
Concen: 56.691 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047311.D
Acq: 13 Aug 2025 11:02

Tgt Ion:113 Resp: 126048

Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.6	124.0
192	18.2	14.9	22.3



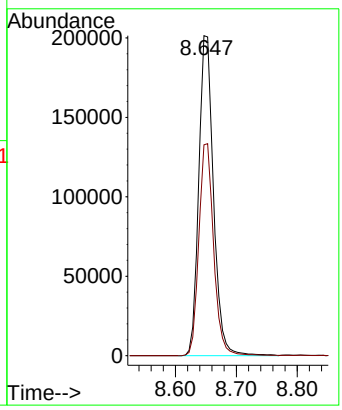


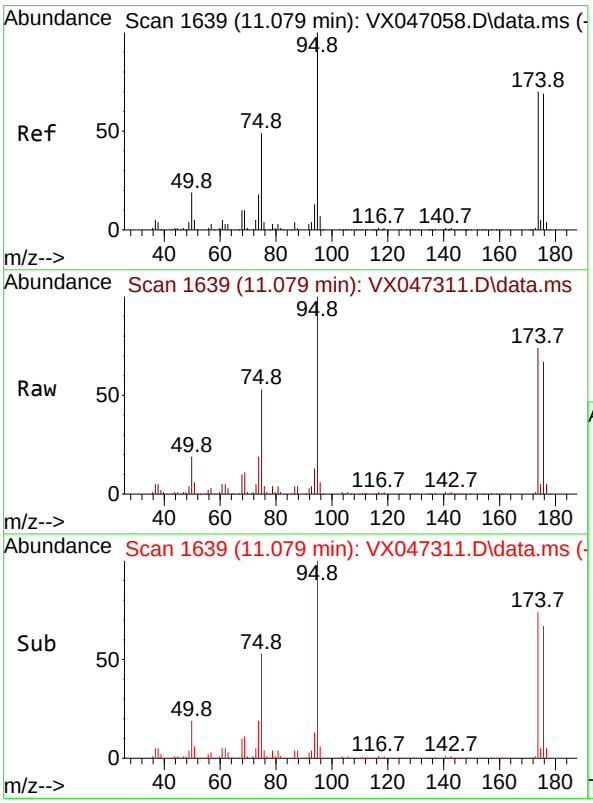
#50
Toluene-d8
Concen: 47.061 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047311.D
Acq: 13 Aug 2025 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

Tgt Ion: 98 Resp: 338862

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9

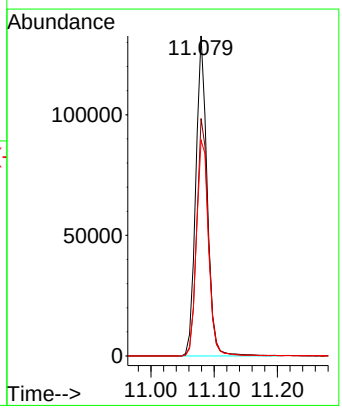


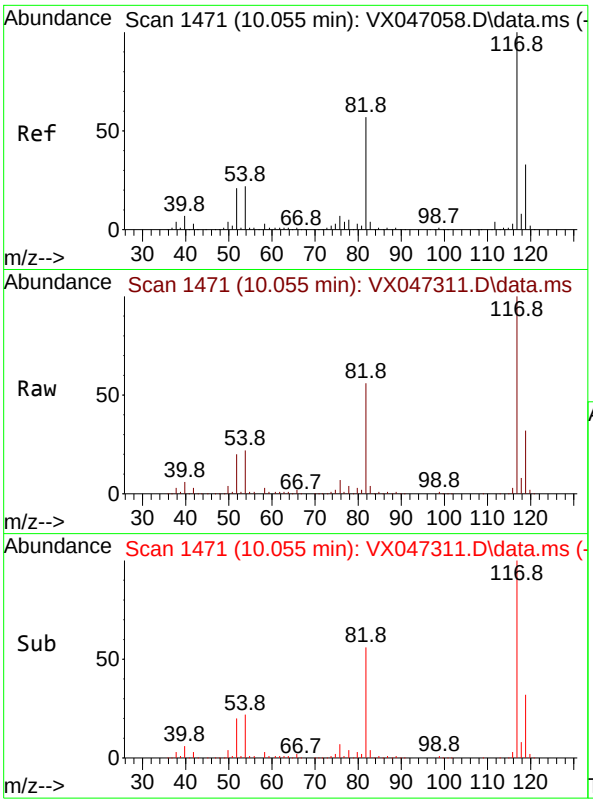


#62
4-Bromofluorobenzene
Concen: 53.556 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047311.D
Acq: 13 Aug 2025 11:02

Tgt Ion: 95 Resp: 166185

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	144.6
176	71.7	0.0	139.6



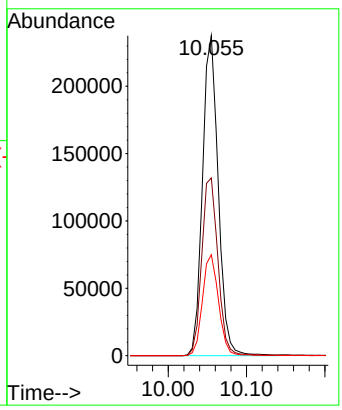


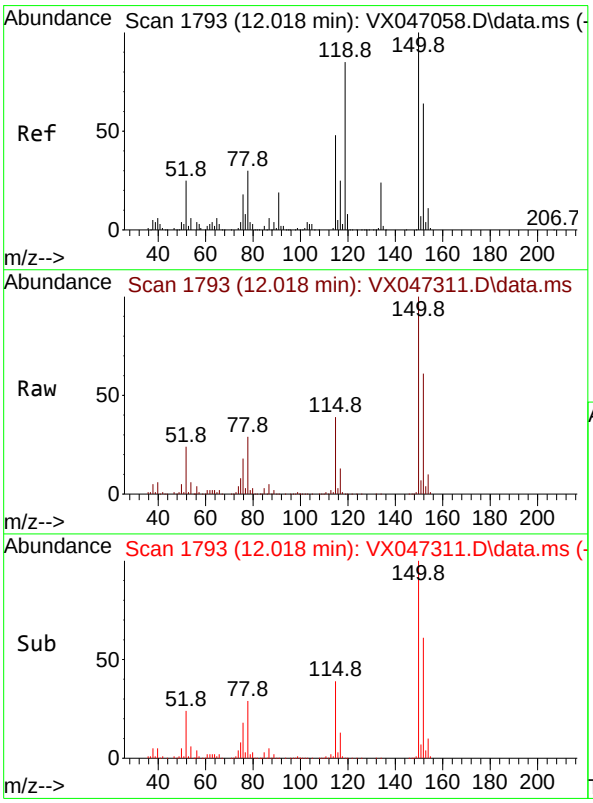
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047311.D
Acq: 13 Aug 2025 11:02

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

Tgt Ion:117 Resp: 331541

Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.4	68.2
119	31.6	26.1	39.1

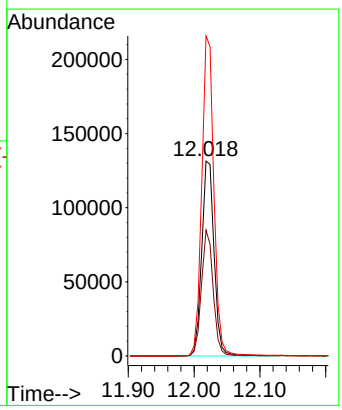




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047311.D
Acq: 13 Aug 2025 11:02

Tgt Ion:152 Resp: 172532

Ion	Ratio	Lower	Upper
152	100		
115	61.3	45.6	136.7
150	160.3	0.0	354.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047311.D
Acq On : 13 Aug 2025 11:02
Operator : JC/MD
Sample : VX0813WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047311.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.391	695	706	723	rBV5	129132	413124	38.41%	6.751%
2	5.556	723	733	753	rVB	197154	609804	56.69%	9.966%
3	5.964	790	800	823	rBV	132762	396905	36.90%	6.486%
4	6.763	922	931	950	rBV	327737	857766	79.74%	14.018%
5	8.647	1231	1240	1258	rBV	541751	918016	85.34%	15.003%
6	10.055	1465	1471	1484	rBV	725809	1041590	96.83%	17.022%
7	11.079	1633	1639	1651	rBV	635479	806156	74.94%	13.175%
8	12.018	1788	1793	1808	rBV	852141	1075677	100.00%	17.579%

Sum of corrected areas: 6119038

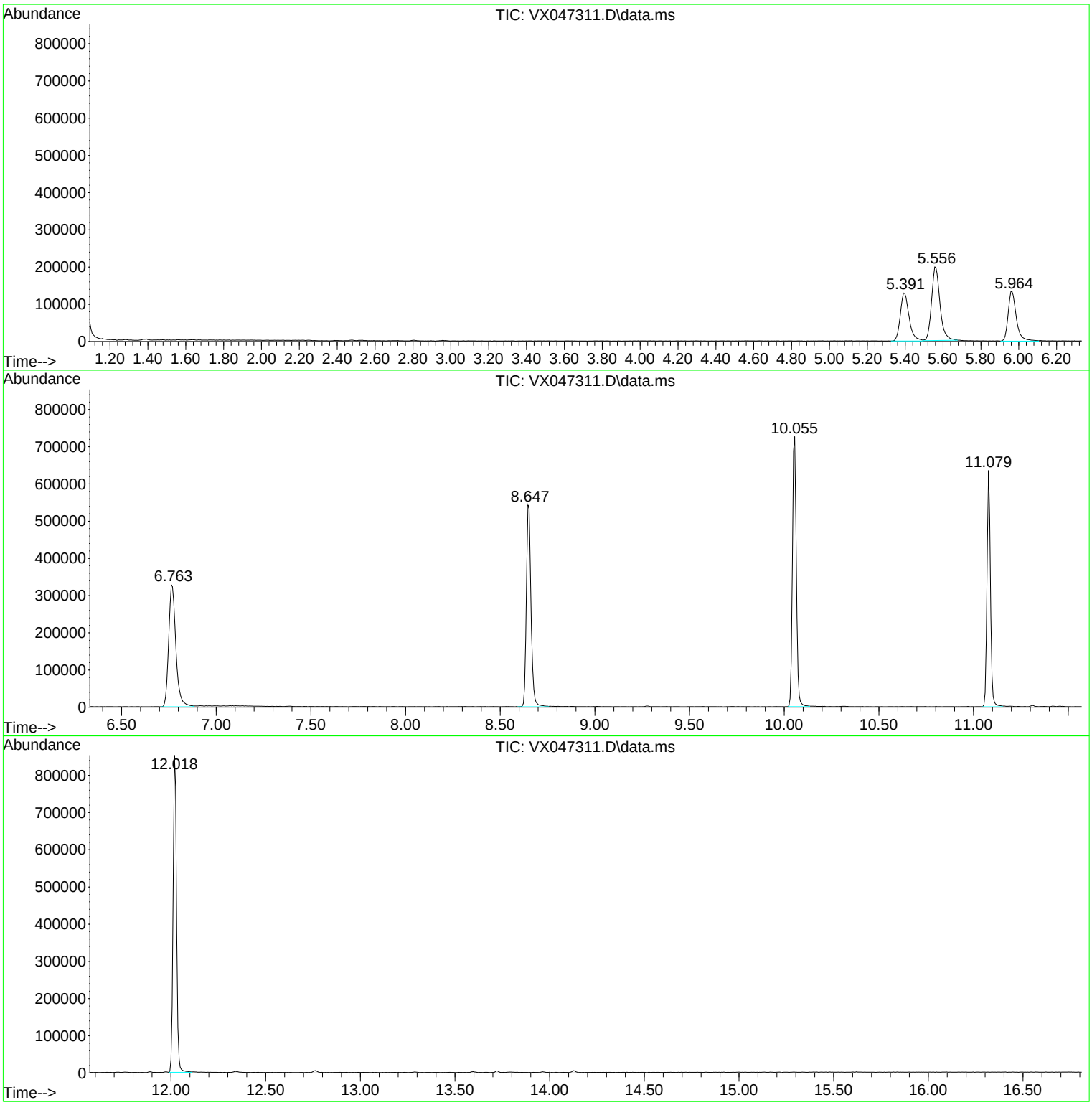
Sample Results: **VX047311.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047311.D
Acq On : 13 Aug 2025 11:02
Operator : JC/MD
Sample : VX0813WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047311.D
Acq On : 13 Aug 2025 11:02
Operator : JC/MD
Sample : VX0813WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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\VX081325\
Data File : VX047311.D
Acq On : 13 Aug 2025 11:02
Operator : JC/MD
Sample : VX0813WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0814WBL01	SDG No.:	Q2814
Lab Sample ID:	VX0814WBL01	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
VX047338.D	1	08/14/25 11:54	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	0.50	U	0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	0.50	U	0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	0.75	U	0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	3.80	U	1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	0.75	U	0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.50	U	0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.50	U	0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.75	U	0.23	0.75	1.00	ug/L
67-64-1	Acetone	3.80	U	1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	0.75	U	0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.50	U	0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	0.75	U	0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	0.50	U	0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.50	U	0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.50	U	0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	2.50	U	1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	2.50	U	0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.50	U	0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	0.50	U	0.22	0.50	1.00	ug/L
67-66-3	Chloroform	0.50	U	0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.50	U	0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	0.50	U	0.16	0.50	1.00	ug/L
71-43-2	Benzene	0.50	U	0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.50	U	0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	0.75	U	0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.50	U	0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	0.50	U	0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.50	U	0.68	2.50	5.00	ug/L
108-88-3	Toluene	0.50	U	0.14	0.50	1.00	ug/L

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0814WBL01	SDG No.:	Q2814
Lab Sample ID:	VX0814WBL01	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
VX047338.D	1	08/14/25 11:54	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.50	U	0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.50	U	0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	U	0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	2.50	U	0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	0.50	U	0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.50	U	0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	0.50	U	0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	0.50	U	0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	0.50	U	0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	1.00	U	0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	0.50	U	0.12	0.50	1.00	ug/L
100-42-5	Styrene	0.50	U	0.15	0.50	1.00	ug/L
75-25-2	Bromoform	0.50	U	0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	0.50	U	0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.50	U	0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.50	U	0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.50	U	0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.75	U	0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.50	U	0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.75	U	0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	57.0		81 - 118		114%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	54.9		89 - 112		110%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.8		85 - 114		106%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	214000	5.562				
540-36-3	1,4-Difluorobenzene	407000	6.763				
3114-55-4	Chlorobenzene-d5	400000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	204000	12.018				

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Fax : 908 789 8922

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0814WBL01	SDG No.:	Q2814
Lab Sample ID:	VX0814WBL01	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
VX047338.D	1	08/14/25 11:54	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081425\
Data File : VX047338.D
Acq On : 14 Aug 2025 11:54
Operator : JC/MD
Sample : VX0814WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Quant Time: Aug 18 01:27:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

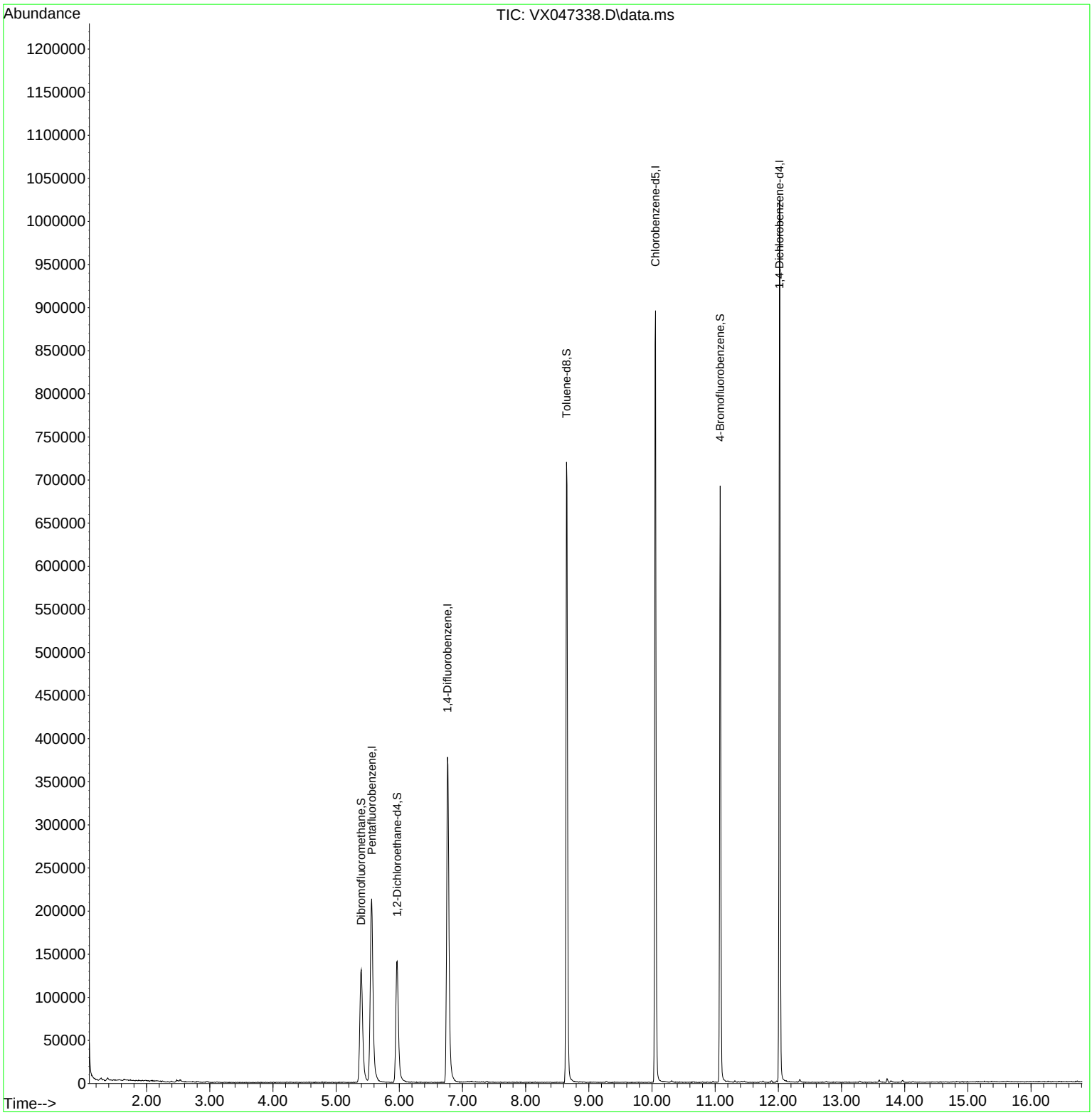
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	213625	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	406583	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	399638	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	203879	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	151781	57.037	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 114.080%			
35) Dibromofluoromethane	5.397	113	126155	50.253	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.500%			
50) Toluene-d8	8.647	98	446363	54.905	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 109.800%			
62) 4-Bromofluorobenzene	11.079	95	184977	52.798	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 105.600%			
Target Compounds						Qvalue

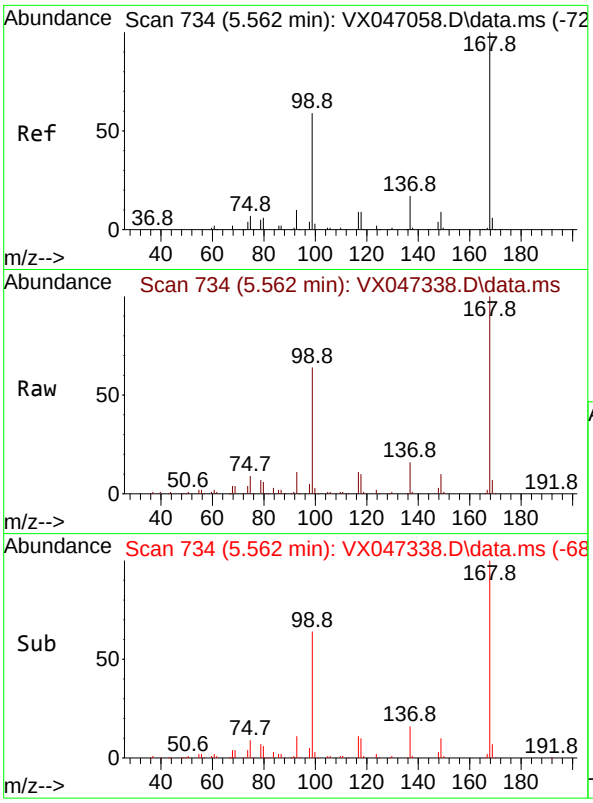
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047338.D
Acq On : 14 Aug 2025 11:54
Operator : JC/MD
Sample : VX0814WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Quant Time: Aug 18 01:27:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



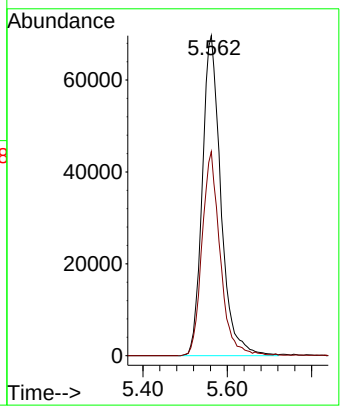


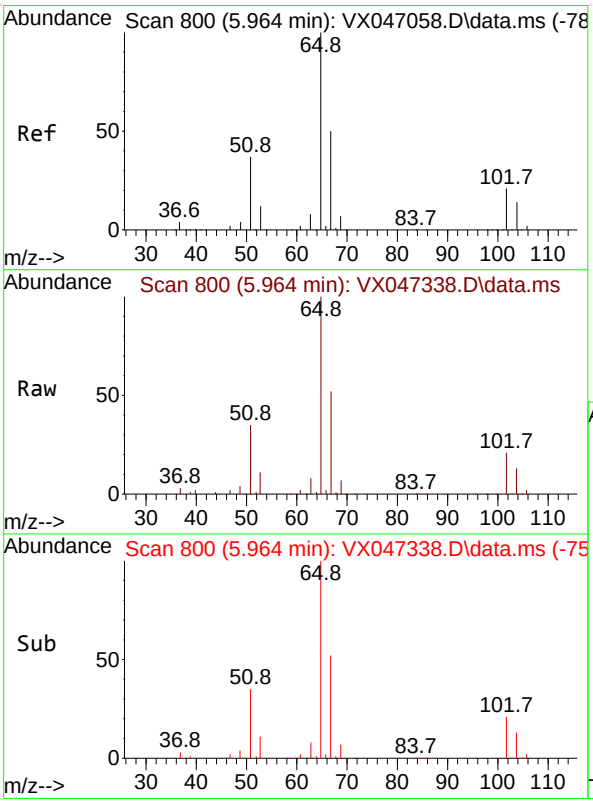
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047338.D
Acq: 14 Aug 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Tgt Ion:168 Resp: 213625

Ion	Ratio	Lower	Upper
168	100		
99	63.7	48.0	72.0

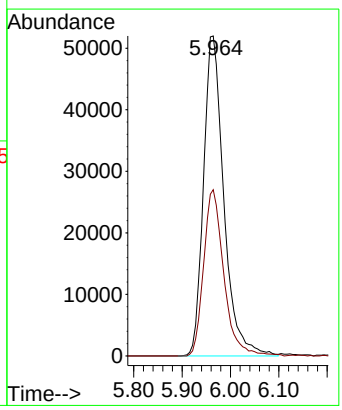


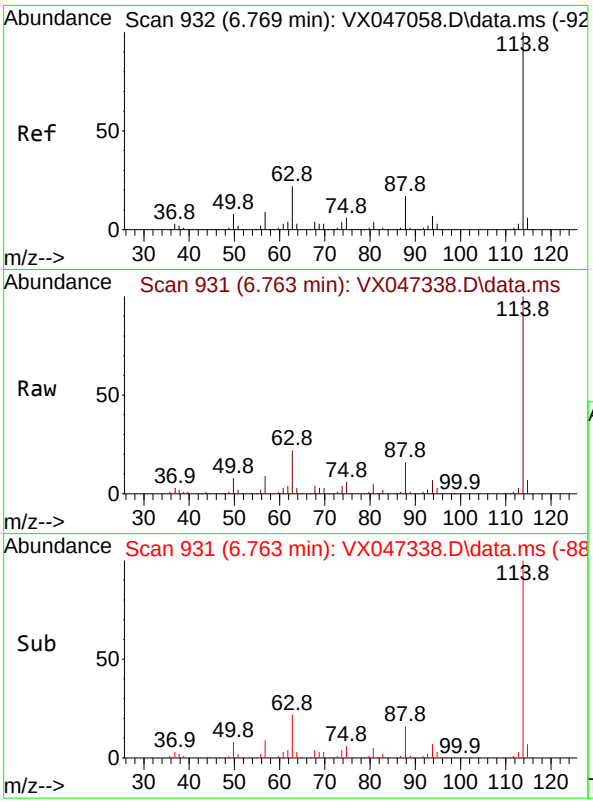


#33
1,2-Dichloroethane-d4
Concen: 57.037 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047338.D
Acq: 14 Aug 2025 11:54

Tgt Ion: 65 Resp: 151781

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8



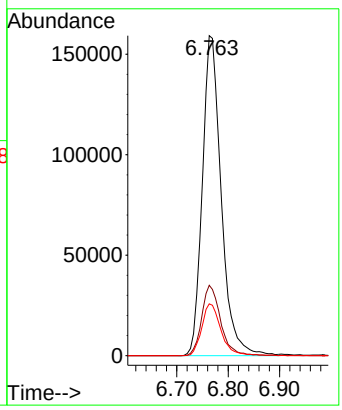


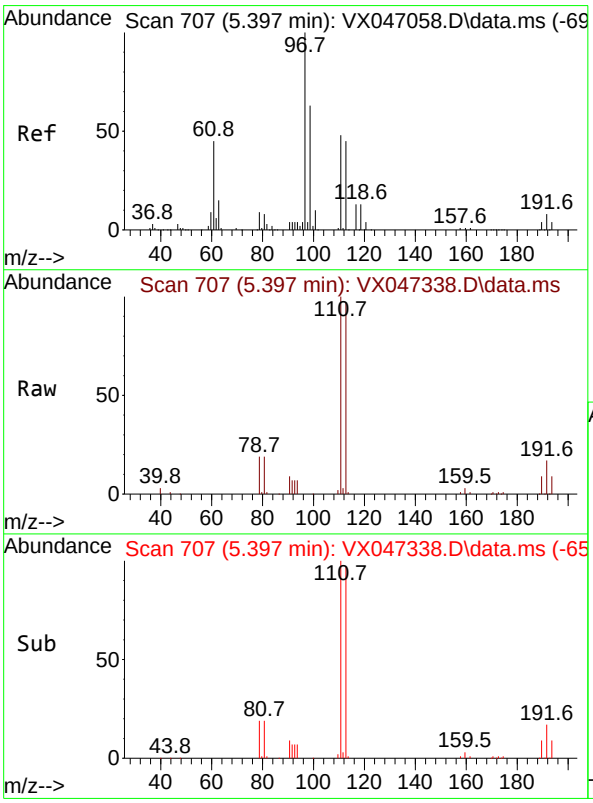
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.006 min
Lab File: VX047338.D
Acq: 14 Aug 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Tgt Ion:114 Resp: 406583

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.2
88	16.2	0.0	33.8

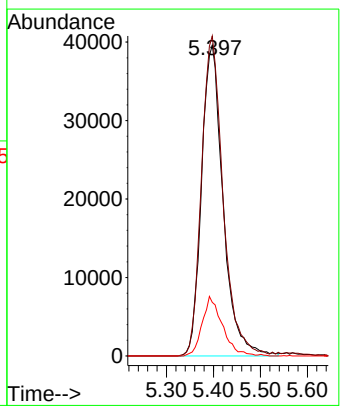


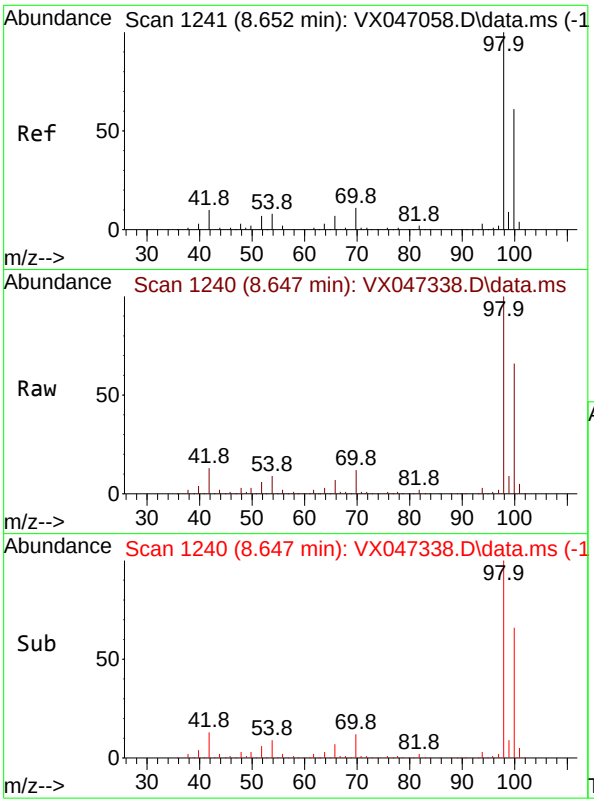


#35
Dibromofluoromethane
Concen: 50.253 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047338.D
Acq: 14 Aug 2025 11:54

Tgt Ion:113 Resp: 126155

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.6	124.0
192	17.9	14.9	22.3



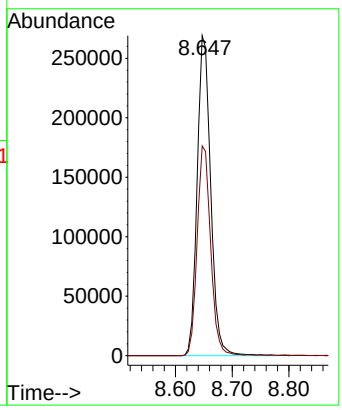


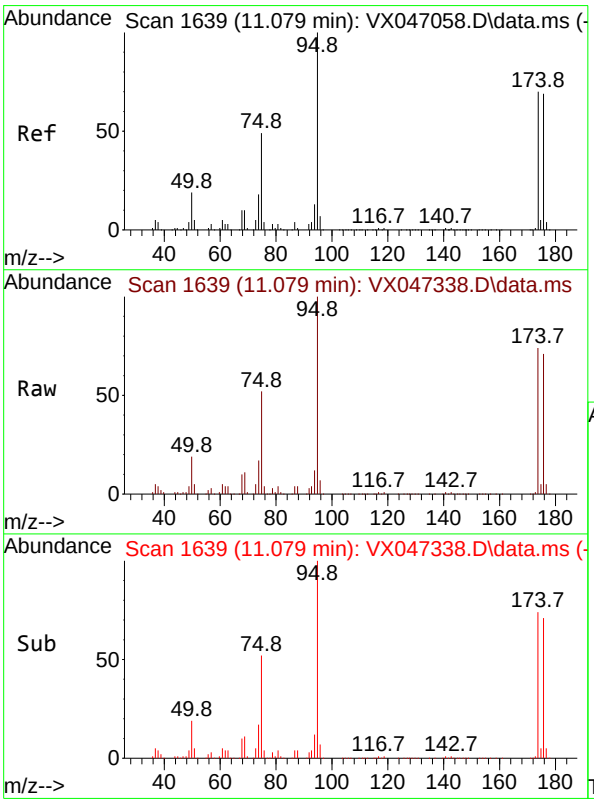
#50
Toluene-d8
Concen: 54.905 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047338.D
Acq: 14 Aug 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Tgt Ion: 98 Resp: 446363

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.3	79.9

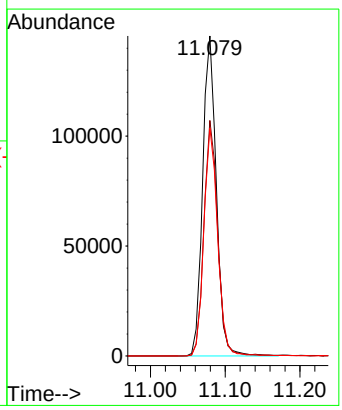


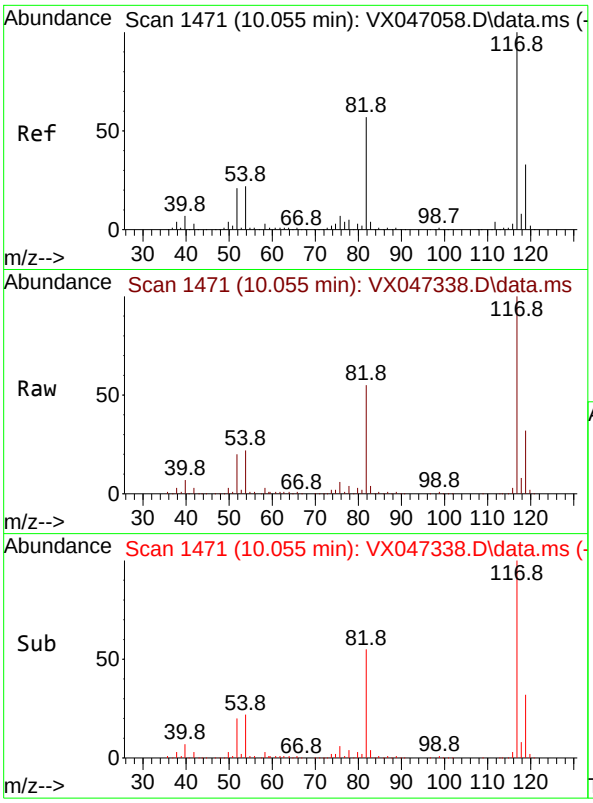


#62
4-Bromofluorobenzene
Concen: 52.798 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047338.D
Acq: 14 Aug 2025 11:54

Tgt Ion: 95 Resp: 184977

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	144.6
176	72.0	0.0	139.6



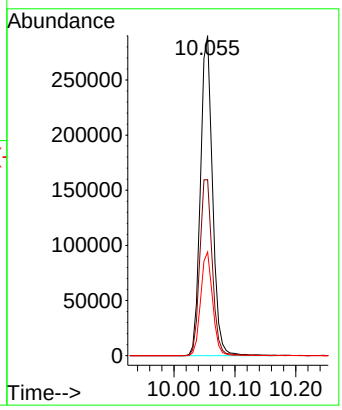


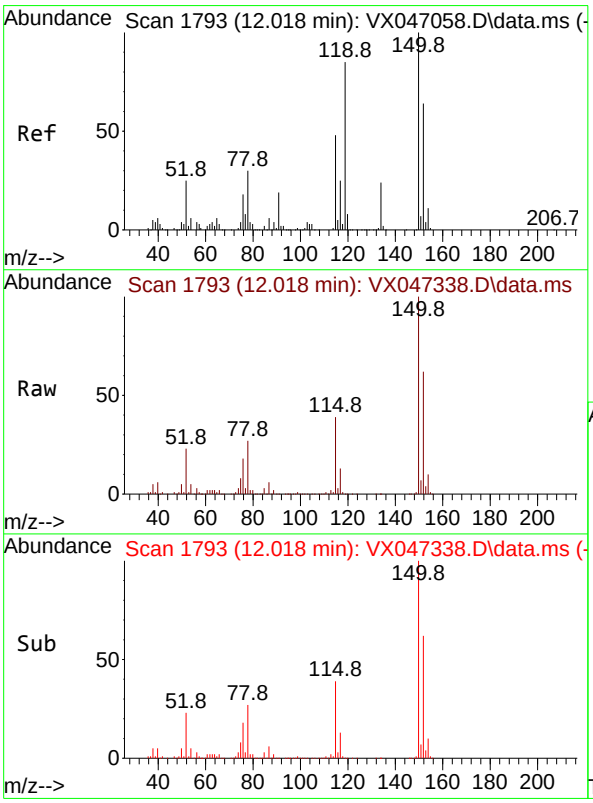
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047338.D
Acq: 14 Aug 2025 11:54

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Tgt Ion:117 Resp: 399638

Ion	Ratio	Lower	Upper
117	100		
82	55.0	45.4	68.2
119	32.4	26.1	39.1

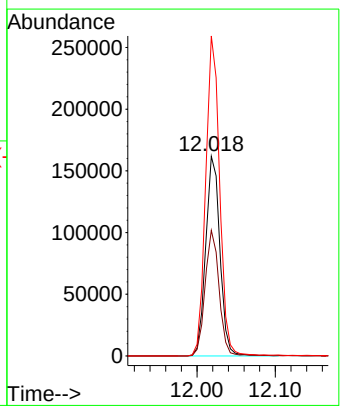




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047338.D
Acq: 14 Aug 2025 11:54

Tgt Ion:152 Resp: 203879

Ion	Ratio	Lower	Upper
152	100		
115	61.9	45.6	136.7
150	157.8	0.0	354.6



Sample Results: **VX047338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047338.D
Acq On : 14 Aug 2025 11:54
Operator : JC/MD
Sample : VX0814WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

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\82X072125W.M
Title : SW846 8260

Signal : TIC: VX047338.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.397	695	707	723	rBV2	130652	416221	32.57%	5.891%
2	5.562	723	734	752	rVB	211426	645708	50.53%	9.138%
3	5.964	790	800	821	rBV	140666	414781	32.46%	5.870%
4	6.763	922	931	950	rBV	377669	971577	76.03%	13.750%
5	8.647	1234	1240	1259	rBV	719724	1207285	94.48%	17.086%
6	10.055	1465	1471	1482	rBV	895110	1249161	97.76%	17.679%
7	11.079	1634	1639	1653	rBV	691828	883333	69.13%	12.501%
8	12.018	1788	1793	1806	rBV	1022747	1277823	100.00%	18.084%

Sum of corrected areas: 7065889

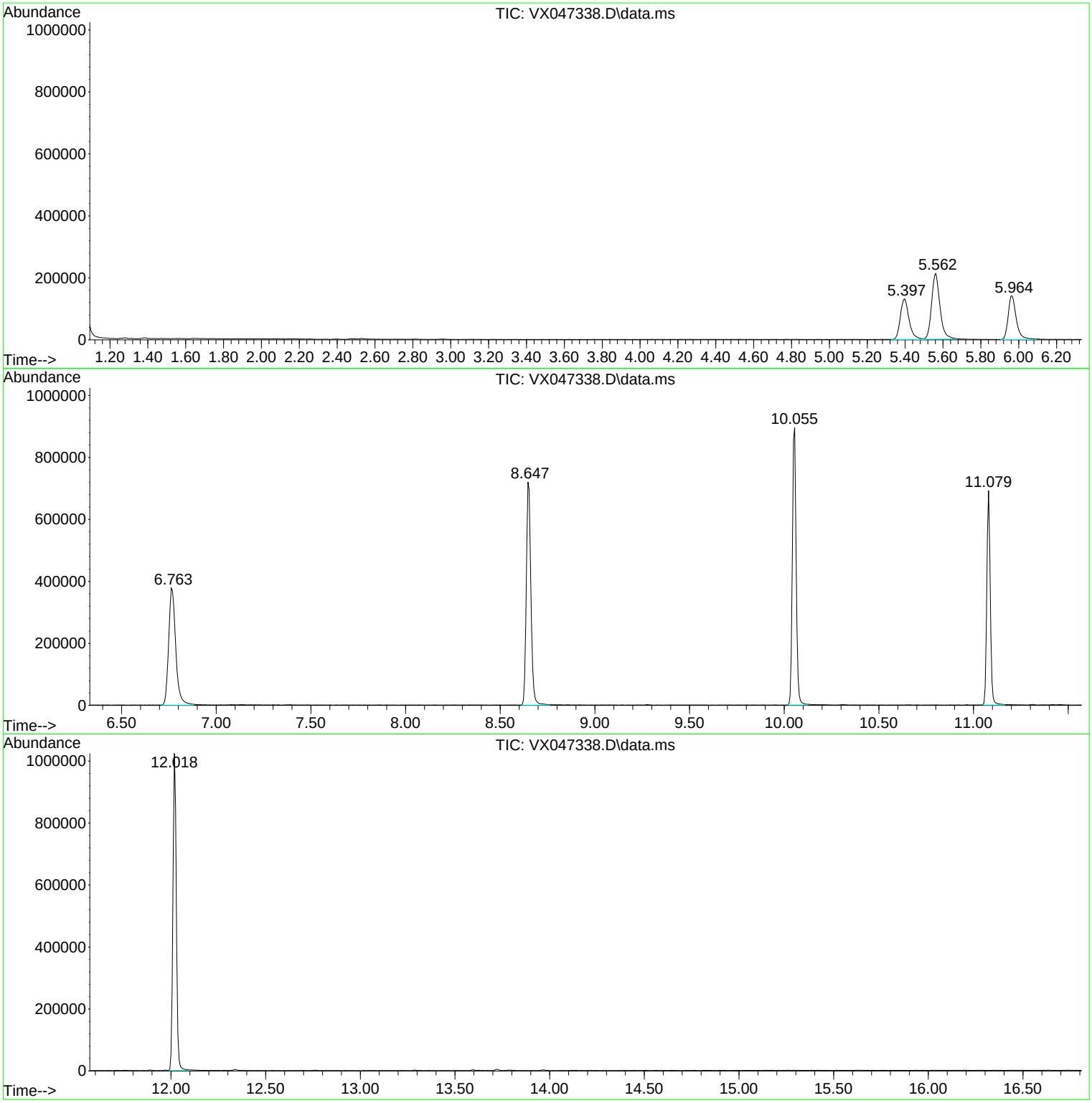
Sample Results: **VX047338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047338.D
Acq On : 14 Aug 2025 11:54
Operator : JC/MD
Sample : VX0814WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047338.D
Acq On : 14 Aug 2025 11:54
Operator : JC/MD
Sample : VX0814WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Tentatively Identified Compound (LSC) summary

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047338.D
Acq On : 14 Aug 2025 11:54
Operator : JC/MD
Sample : VX0814WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.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:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0812WBS01	SDG No.:	Q2814
Lab Sample ID:	VX0812WBS01	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
VX047288.D	1	08/12/25 11:52	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	19.7		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	17.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	17.5		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.3		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.2		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.3		0.23	0.75	1.00	ug/L
67-64-1	Acetone	88.0		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.1		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.5		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	18.7		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.3		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.4		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	88.4		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.3		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.5		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	22.9		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	18.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.3		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.7		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.0		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	18.4		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	18.6		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	97.7		0.68	2.50	5.00	ug/L
108-88-3	Toluene	18.8		0.14	0.50	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:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0812WBS01	SDG No.:	Q2814
Lab Sample ID:	VX0812WBS01	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
VX047288.D	1	08/12/25 11:52	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	17.9		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.4		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	19.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.7		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.2		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	18.5		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	37.2		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.8		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.2		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.2		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.9		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.8		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.4		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.4		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.8		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	47.0		81 - 118		94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		80 - 119		101%	SPK: 50
2037-26-5	Toluene-d8	44.5		89 - 112		89%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		85 - 114		96%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	267000	5.562				
540-36-3	1,4-Difluorobenzene	450000	6.763				
3114-55-4	Chlorobenzene-d5	403000	10.049				
3855-82-1	1,4-Dichlorobenzene-d4	207000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0812WBS01	SDG No.:	Q2814
Lab Sample ID:	VX0812WBS01	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
VX047288.D	1	08/12/25 11:52	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047288.D
Acq On : 12 Aug 2025 11:52
Operator : JC/MD
Sample : VX0812WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	266708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	450165	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	403402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	207271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156027	46.963	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 93.920%			
35) Dibromofluoromethane	5.391	113	140246	50.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.920%			
50) Toluene-d8	8.647	98	400252	44.466	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 88.940%#			
62) 4-Bromofluorobenzene	11.079	95	186845	48.168	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 96.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	69899	19.731	ug/l	98
3) Chloromethane	1.313	50	61646	17.592	ug/l	99
4) Vinyl Chloride	1.392	62	71280	18.923	ug/l	97
5) Bromomethane	1.630	94	35824	17.507	ug/l	97
6) Chloroethane	1.703	64	42892	17.337	ug/l	100
7) Trichlorofluoromethane	1.904	101	107951	19.219	ug/l	99
8) Diethyl Ether	2.148	74	36446	18.403	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	61745	18.246	ug/l	98
10) Methyl Iodide	2.471	142	90798	26.326	ug/l	100
11) Tert butyl alcohol	2.959	59	34722	82.511	ug/l	99
12) 1,1-Dichloroethene	2.331	96	61388	18.315	ug/l	99
13) Acrolein	2.252	56	109384	152.908	ug/l	99
14) Allyl chloride	2.678	41	108053	17.834	ug/l	99
15) Acrylonitrile	3.081	53	148912	93.980	ug/l	99
16) Acetone	2.386	43	117062	87.955	ug/l	98
17) Carbon Disulfide	2.526	76	176245	18.176	ug/l	98
18) Methyl Acetate	2.715	43	72484	20.493	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	194935	19.110	ug/l	97
20) Methylene Chloride	2.800	84	68289	18.650	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	63062	18.386	ug/l	98
22) Diisopropyl ether	3.770	45	217146	18.641	ug/l	95
23) Vinyl Acetate	3.727	43	891231	95.391	ug/l	100
24) 1,1-Dichloroethane	3.623	63	118731	18.330	ug/l	98
25) 2-Butanone	4.568	43	171260	88.371	ug/l	98
26) 2,2-Dichloropropane	4.489	77	90767	18.102	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	74965	18.457	ug/l	98
28) Bromochloromethane	4.910	49	68214	22.890	ug/l	98
29) Tetrahydrofuran	5.019	42	106137	84.883	ug/l	93
30) Chloroform	5.105	83	121763	18.467	ug/l	99
31) Cyclohexane	5.477	56	108000	17.389	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	107008	18.685	ug/l	99
36) 1,1-Dichloropropene	5.696	75	83564	17.638	ug/l	98
37) Ethyl Acetate	4.721	43	90485	20.726	ug/l	96
38) Carbon Tetrachloride	5.684	117	92470	18.286	ug/l	99
39) Methylcyclohexane	7.385	83	108041	18.264	ug/l	94
40) Benzene	6.044	78	256537	18.710	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047288.D
Acq On : 12 Aug 2025 11:52
Operator : JC/MD
Sample : VX0812WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	39807	17.439	ug/l		92
42) 1,2-Dichloroethane	6.092	62	91804	19.007	ug/l		99
43) Isopropyl Acetate	6.342	43	135160	19.859	ug/l		99
44) Trichloroethene	7.129	130	64759	18.418	ug/l		98
45) 1,2-Dichloropropane	7.434	63	63746	18.563	ug/l		97
46) Dibromomethane	7.580	93	46573	19.339	ug/l		99
47) Bromodichloromethane	7.824	83	95572	18.645	ug/l		98
48) Methyl methacrylate	7.696	41	68229	18.402	ug/l		99
49) 1,4-Dioxane	7.671	88	15691	372.088	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	395128	97.673	ug/l		99
52) Toluene	8.720	92	158098	18.752	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	86876	17.948	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	97236	18.354	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	61302	19.388	ug/l		98
56) Ethyl methacrylate	9.116	69	92290	19.717	ug/l		98
57) 1,3-Dichloropropane	9.311	76	103459	18.828	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	213726	82.055	ug/l		100
59) 2-Hexanone	9.427	43	270477	101.199	ug/l		99
60) Dibromochloromethane	9.519	129	71339	19.238	ug/l		98
61) 1,2-Dibromoethane	9.610	107	61948	18.738	ug/l		98
64) Tetrachloroethene	9.275	164	52898	18.190	ug/l		96
65) Chlorobenzene	10.079	112	175362	18.556	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	59685	18.759	ug/l		100
67) Ethyl Benzene	10.195	91	304960	18.456	ug/l		99
68) m/p-Xylenes	10.299	106	229943	37.187	ug/l		100
69) o-Xylene	10.640	106	110879	18.849	ug/l		100
70) Styrene	10.653	104	193735	19.207	ug/l		98
71) Bromoform	10.799	173	46474	19.229	ug/l	#	100
73) Isopropylbenzene	10.957	105	292039	17.859	ug/l		100
74) N-amyl acetate	10.842	43	118356	17.938	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	87818	18.801	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	71234m	18.568	ug/l		
77) Bromobenzene	11.195	156	71864	18.322	ug/l		97
78) n-propylbenzene	11.305	91	350815	17.953	ug/l		99
79) 2-Chlorotoluene	11.360	91	207220	17.740	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	247687	18.334	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	14230	9.556	ug/l		94
82) 4-Chlorotoluene	11.451	91	247627	18.162	ug/l		100
83) tert-Butylbenzene	11.713	119	247287	18.237	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	244944	18.178	ug/l		98
85) sec-Butylbenzene	11.890	105	313440	18.501	ug/l		100
86) p-Isopropyltoluene	12.006	119	262367	18.674	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	136883	18.368	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	138415	18.332	ug/l		98
89) n-Butylbenzene	12.329	91	245333	18.620	ug/l		99
90) Hexachloroethane	12.536	117	45620	18.151	ug/l		98
91) 1,2-Dichlorobenzene	12.329	146	131227	18.424	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16604	18.519	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	88508	18.808	ug/l		100
94) Hexachlorobutadiene	13.719	225	33284	20.797	ug/l		97
95) Naphthalene	13.774	128	254276	18.431	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	84235	18.580	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047288.D
Acq On : 12 Aug 2025 11:52
Operator : JC/MD
Sample : VX0812WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 13 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

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

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

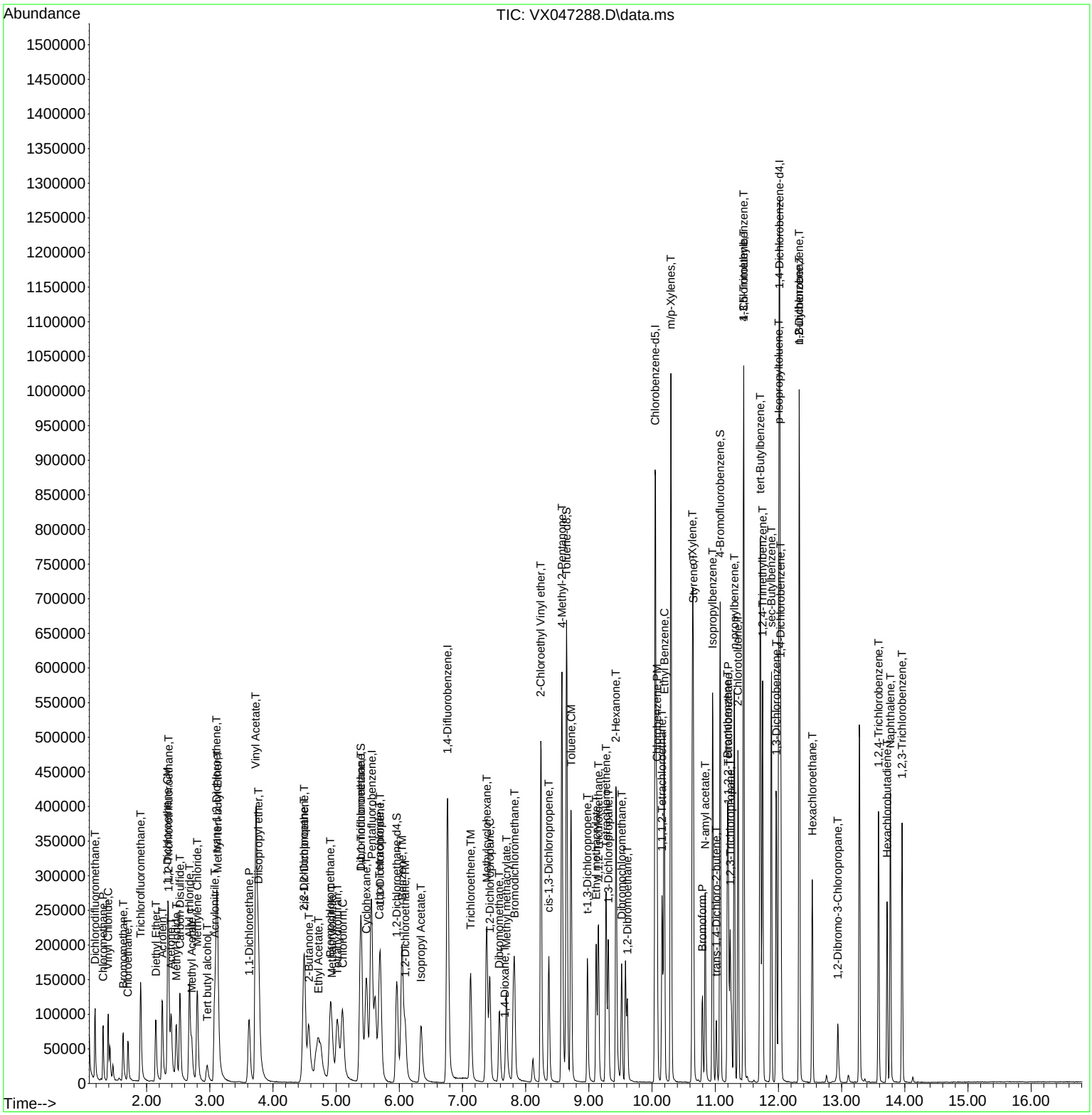
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047288.D
Acq On : 12 Aug 2025 11:52
Operator : JC/MD
Sample : VX0812WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

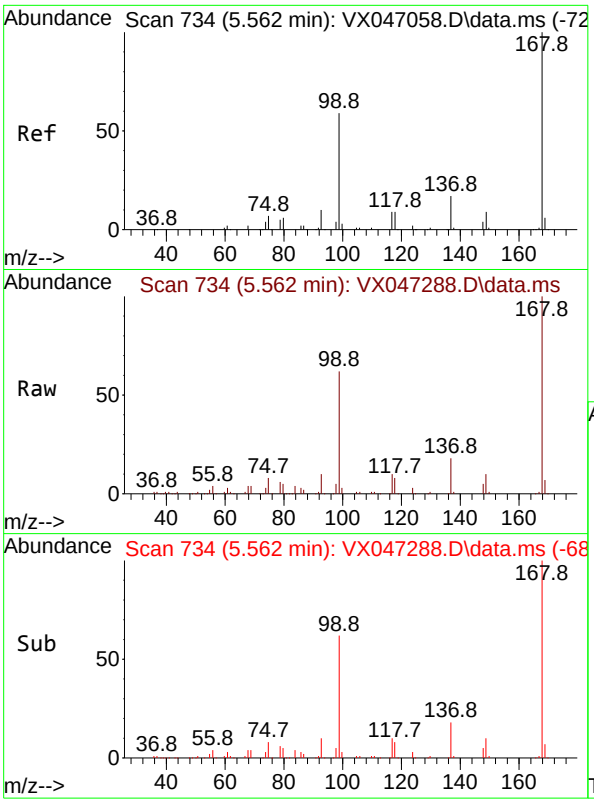
Quant Time: Aug 13 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

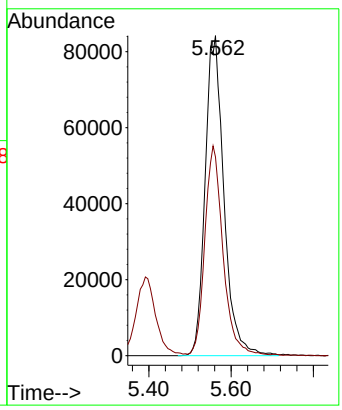




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:168 Resp: 26670

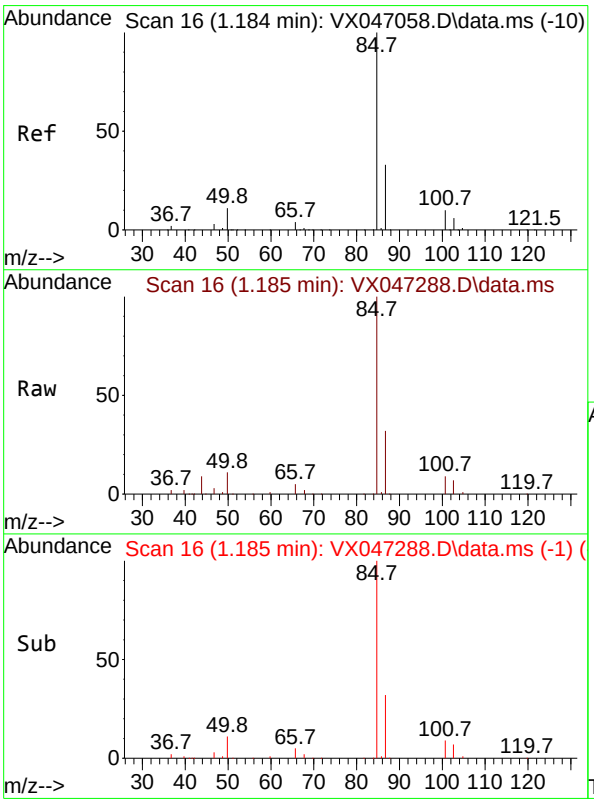
Ion	Ratio	Lower	Upper
168	100		
99	61.7	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

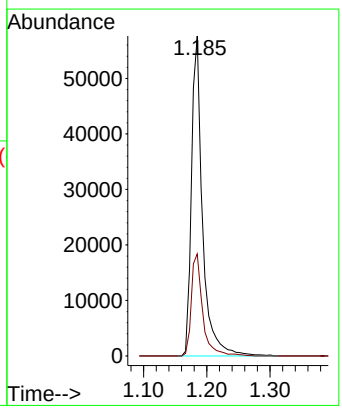
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

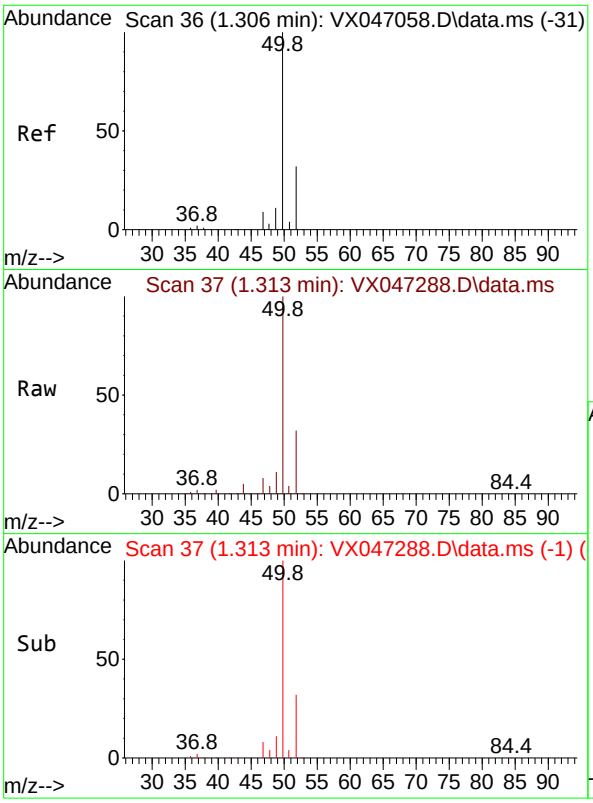


#2
Dichlorodifluoromethane
Concen: 19.731 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 85 Resp: 69899

Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.6	49.8

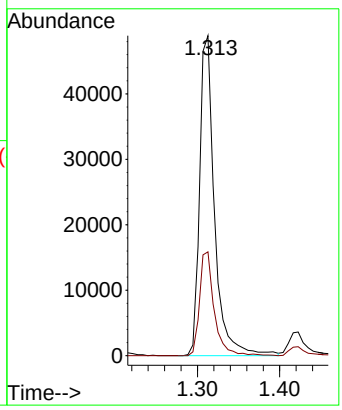




#3
Chloromethane
Concen: 17.592 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 50 Resp: 6164

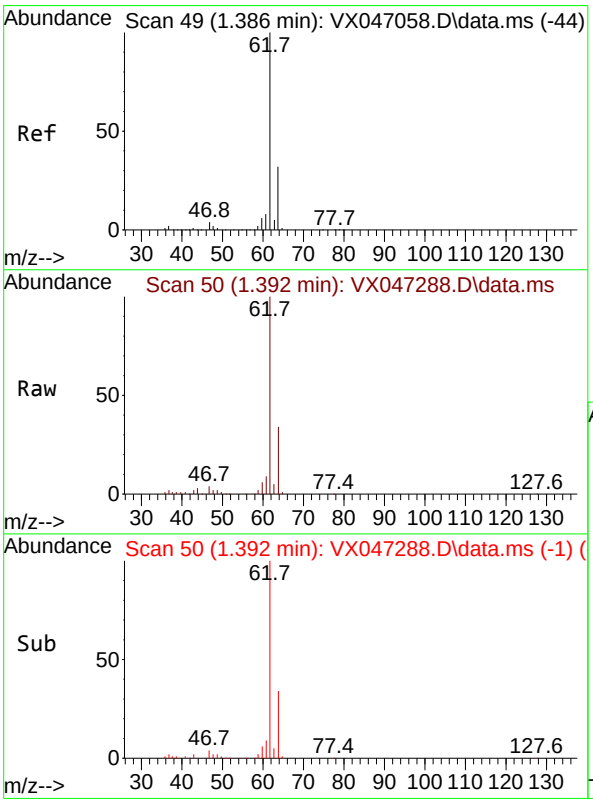
Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

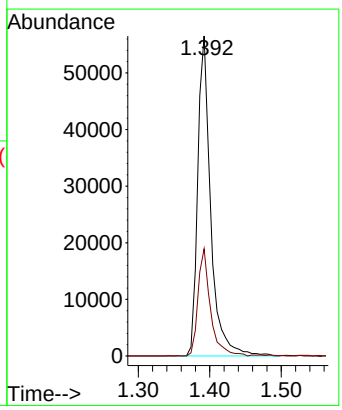
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

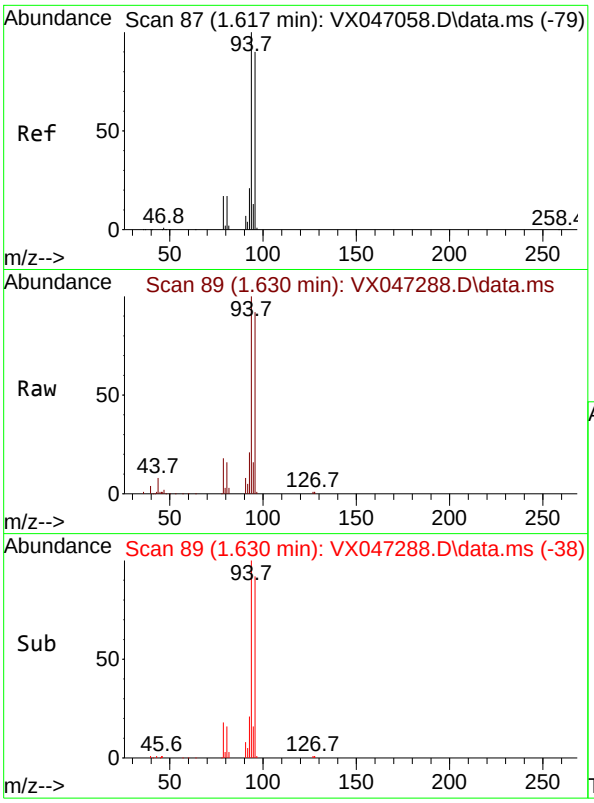


#4
Vinyl Chloride
Concen: 18.923 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 62 Resp: 71280

Ion	Ratio	Lower	Upper
62	100		
64	33.4	25.2	37.8

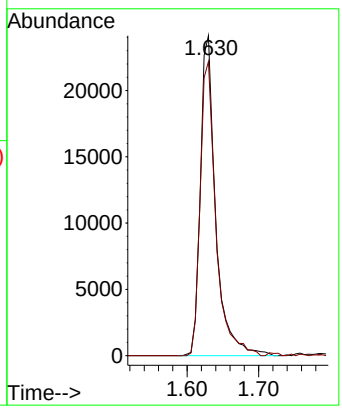




#5
Bromomethane
Concen: 17.507 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.013 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 94 Resp: 3582

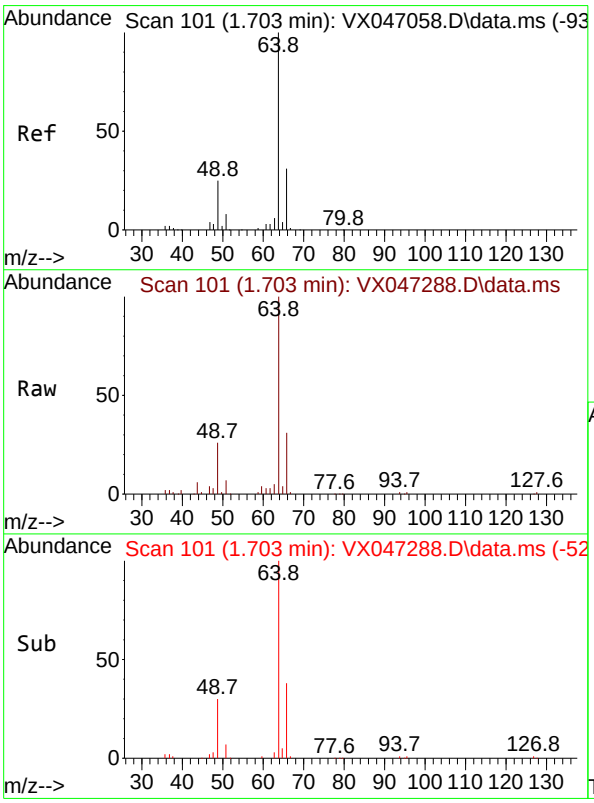
Ion	Ratio	Lower	Upper
94	100		
96	93.0	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

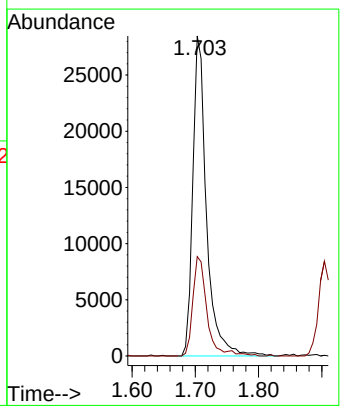
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

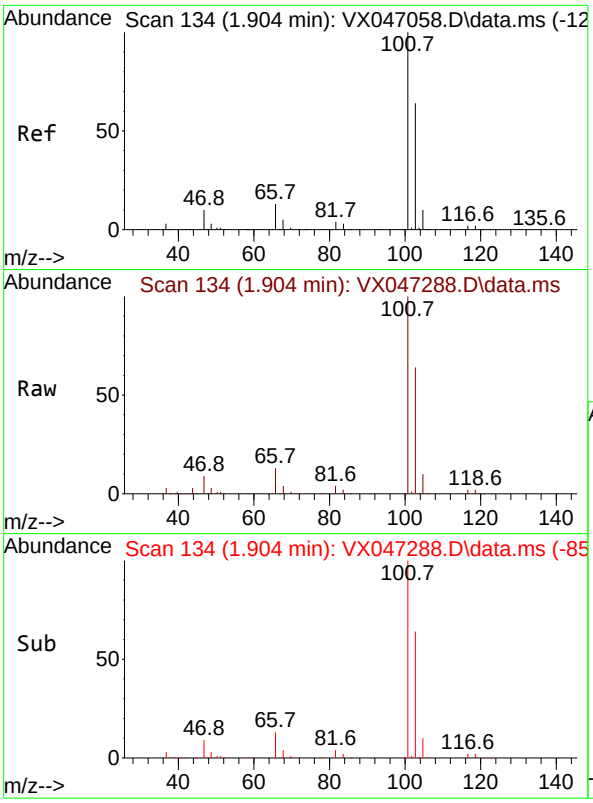


#6
Chloroethane
Concen: 17.337 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 64 Resp: 42892

Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.0	37.6





#7
Trichlorofluoromethane
Concen: 19.219 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

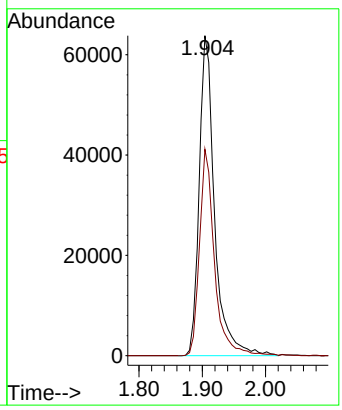
Tgt Ion:101 Resp: 10795

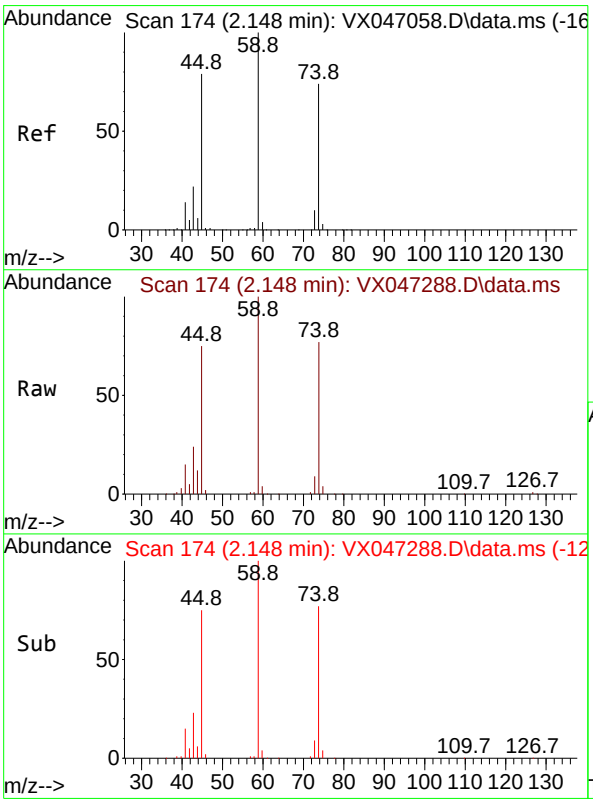
Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.9	76.3

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

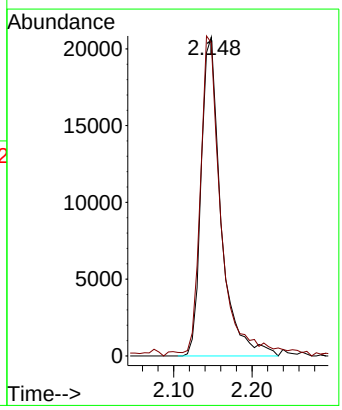


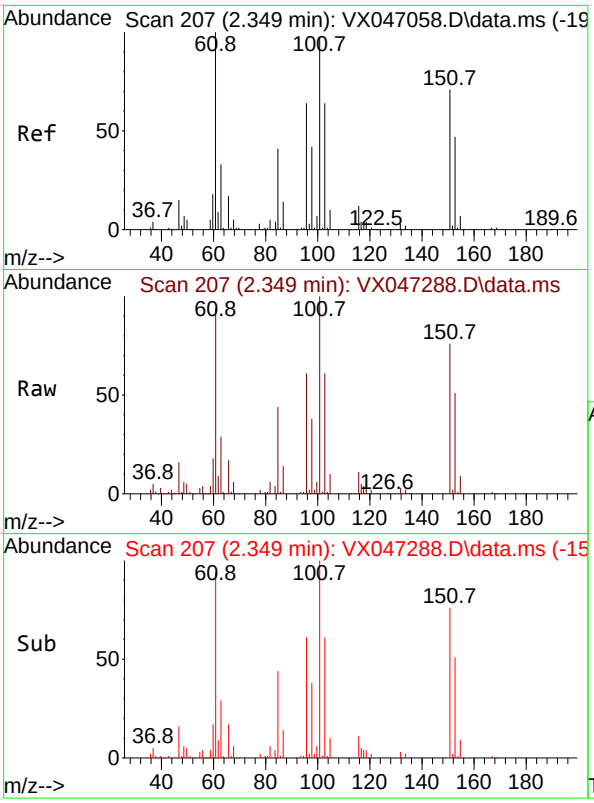


#8
Diethyl Ether
Concen: 18.403 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 74 Resp: 36446

Ion	Ratio	Lower	Upper
74	100		
45	105.5	53.0	159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.246 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

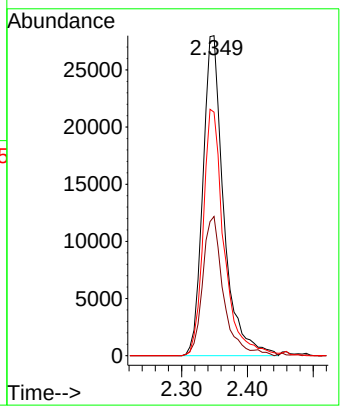
Tgt Ion:101 Resp: 6174

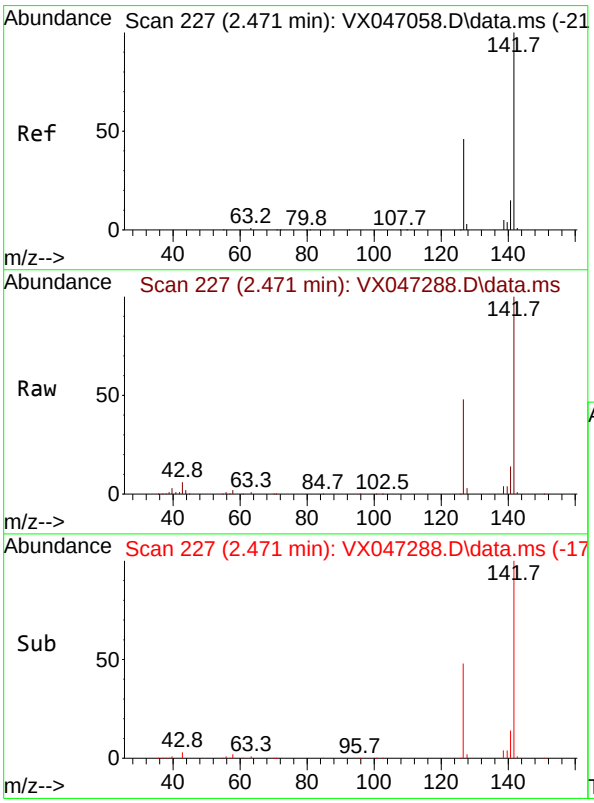
Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.4	53.0
151	76.6	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

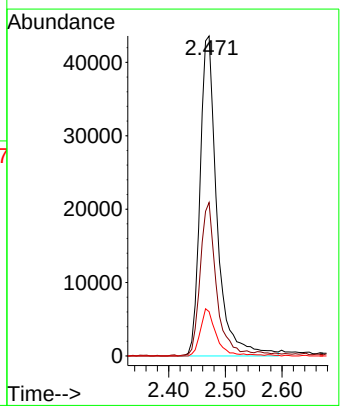


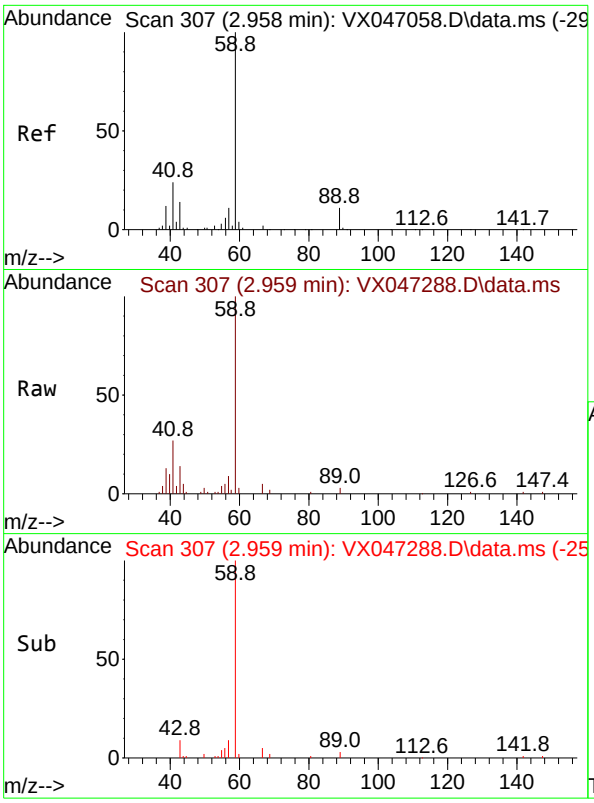


#10
Methyl Iodide
Concen: 26.326 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:142 Resp: 90798

Ion	Ratio	Lower	Upper
142	100		
127	45.9	36.6	54.8
141	13.8	10.9	16.3

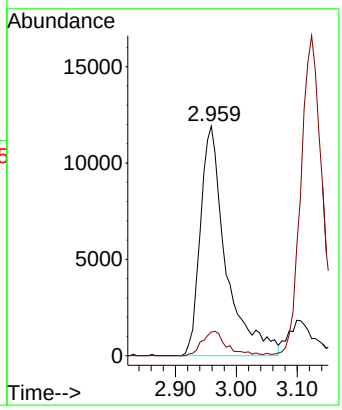




#11
Tert butyl alcohol
Concen: 82.511 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 59 Resp: 3472

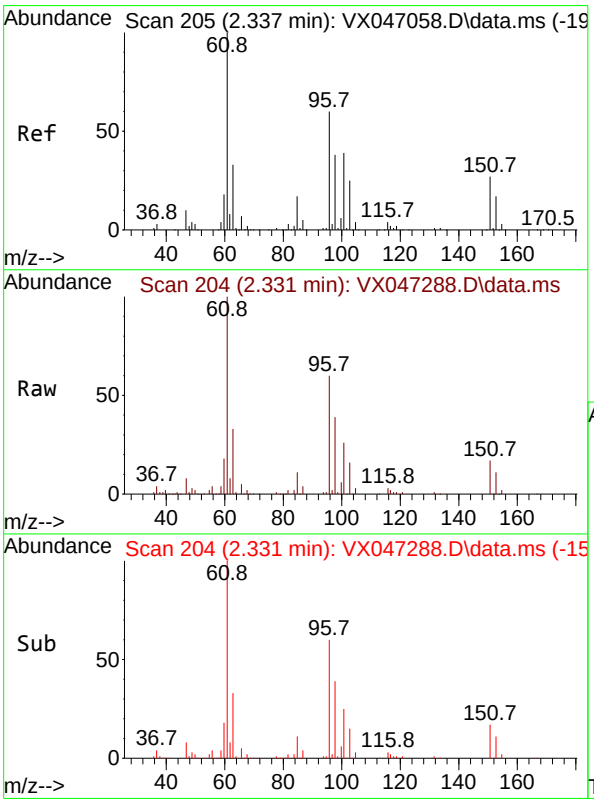
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

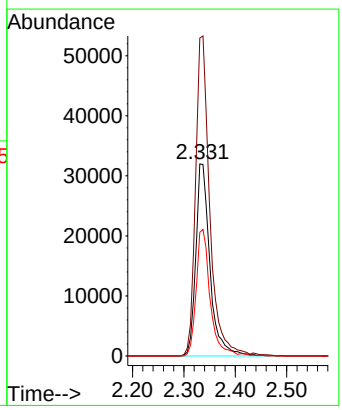
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

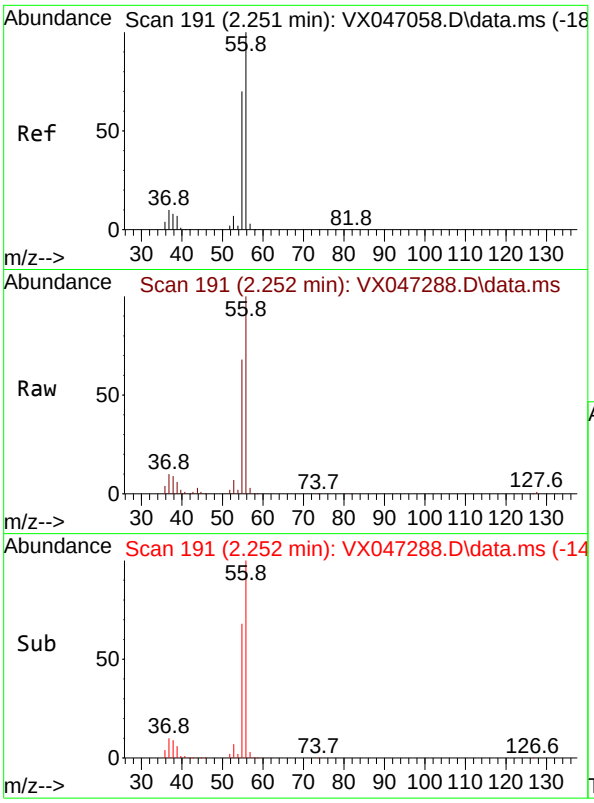


#12
1,1-Dichloroethene
Concen: 18.315 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 96 Resp: 61388

Ion	Ratio	Lower	Upper
96	100		
61	165.6	132.6	198.8
98	66.0	50.2	75.4

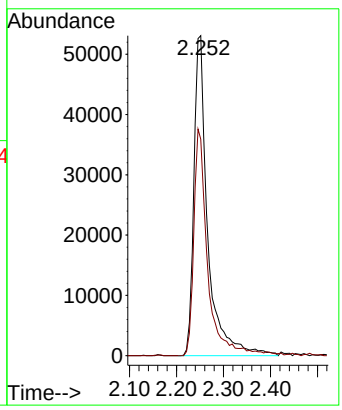




#13
Acrolein
Concen: 152.908 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 56 Resp: 10938

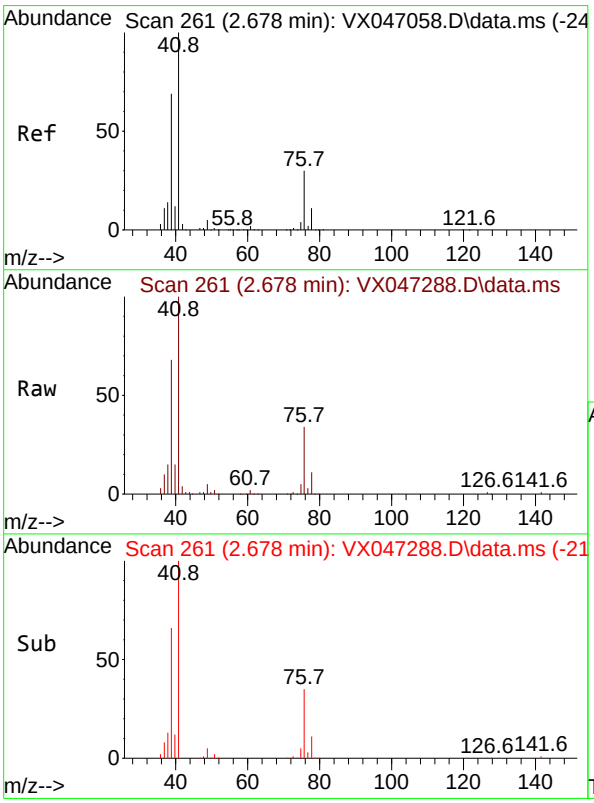
Ion	Ratio	Lower	Upper
56	100		
55	70.1	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

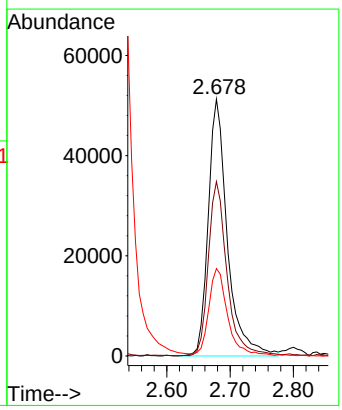
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

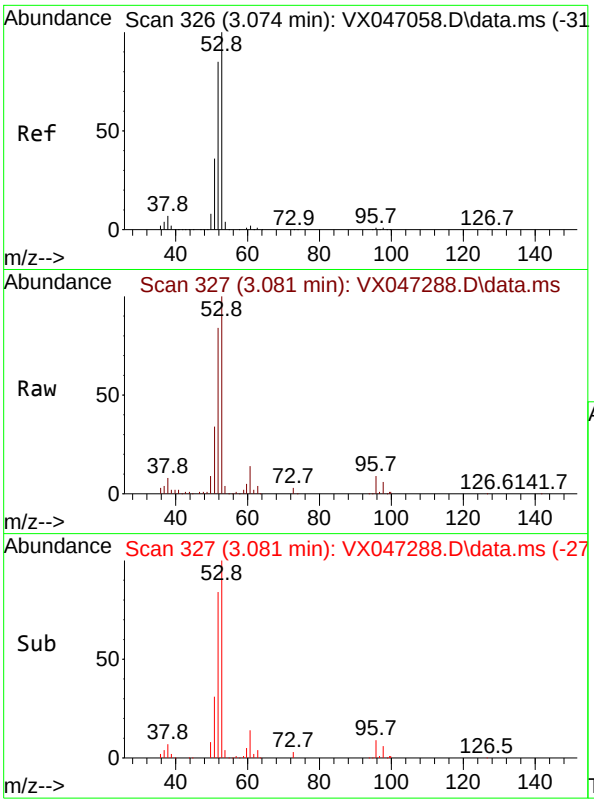


#14
Allyl chloride
Concen: 17.834 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 41 Resp: 108053

Ion	Ratio	Lower	Upper
41	100		
39	66.3	52.6	78.8
76	32.8	25.7	38.5

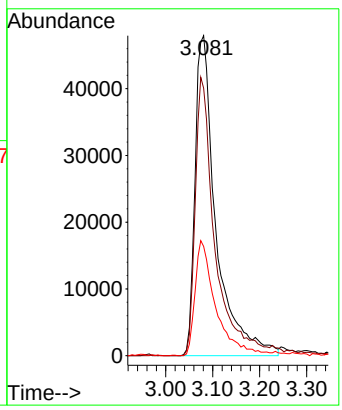




#15
Acrylonitrile
Concen: 93.980 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 53 Resp: 14891

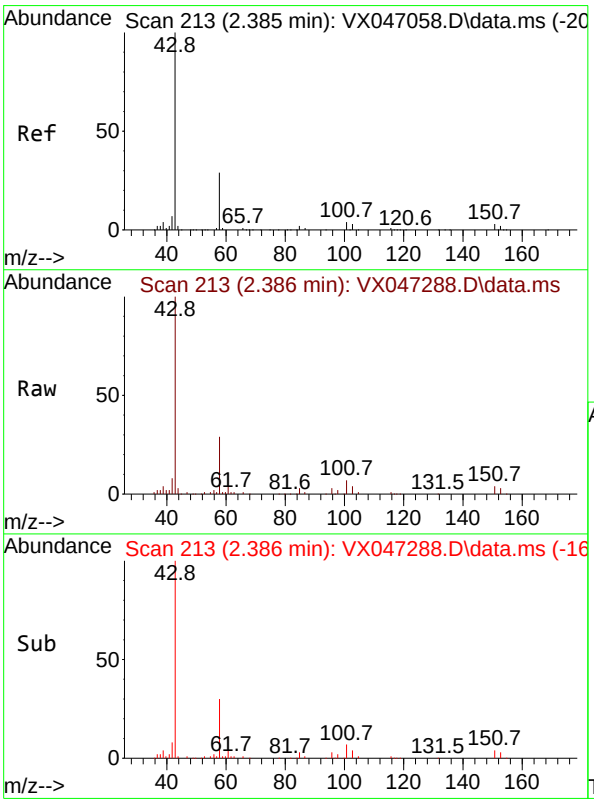
Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.7	98.5
51	35.6	28.8	43.2



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

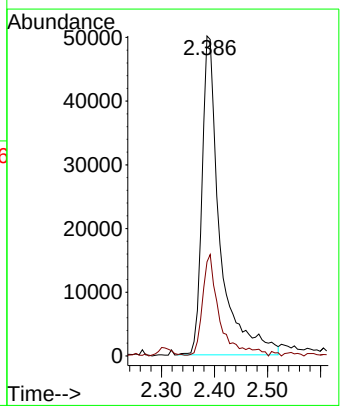
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

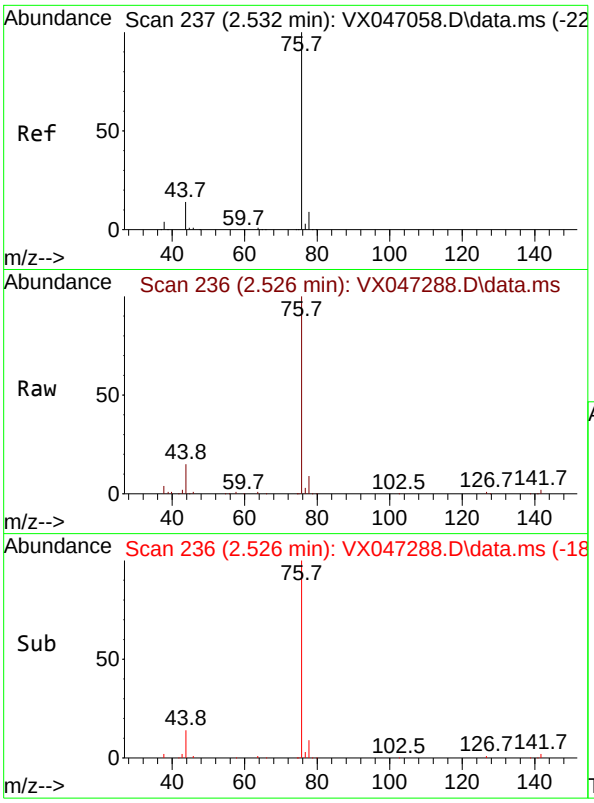


#16
Acetone
Concen: 87.955 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 43 Resp: 117062

Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.0	36.0

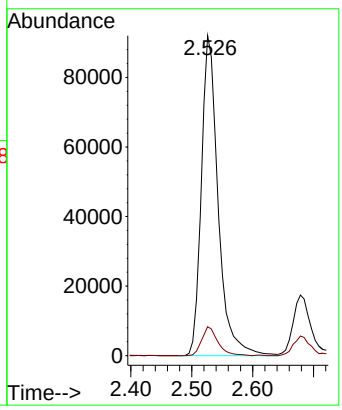




#17
Carbon Disulfide
Concen: 18.176 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 76 Resp: 17624

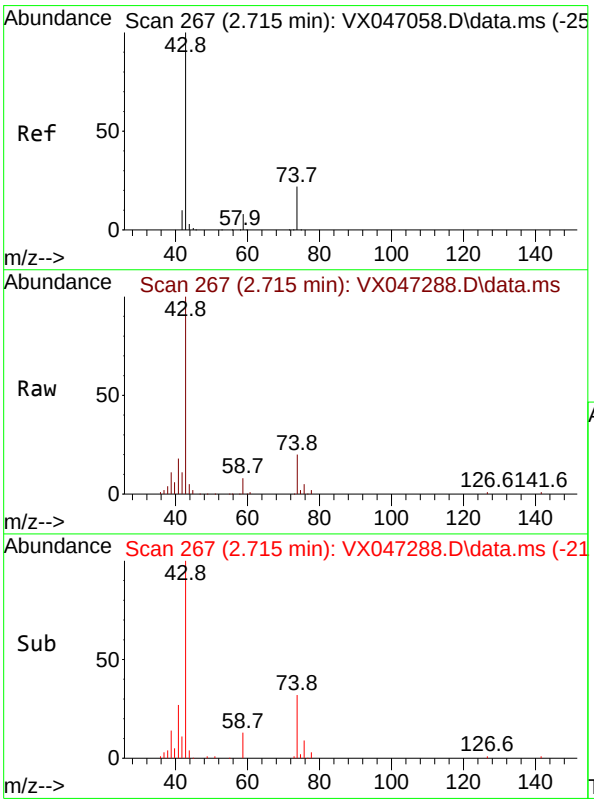
Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations APPROVED

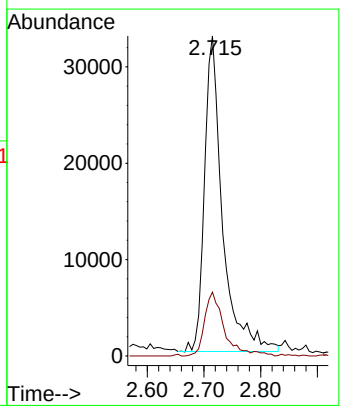
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

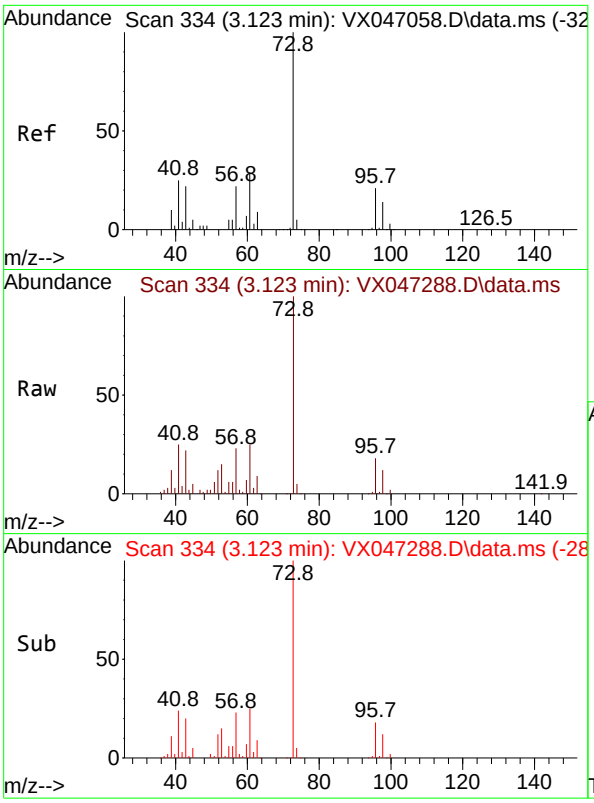


#18
Methyl Acetate
Concen: 20.493 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 43 Resp: 72484

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.7	26.5

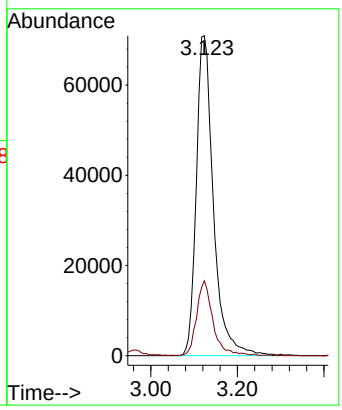




#19
Methyl tert-butyl Ether
Concen: 19.110 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 73 Resp: 19493

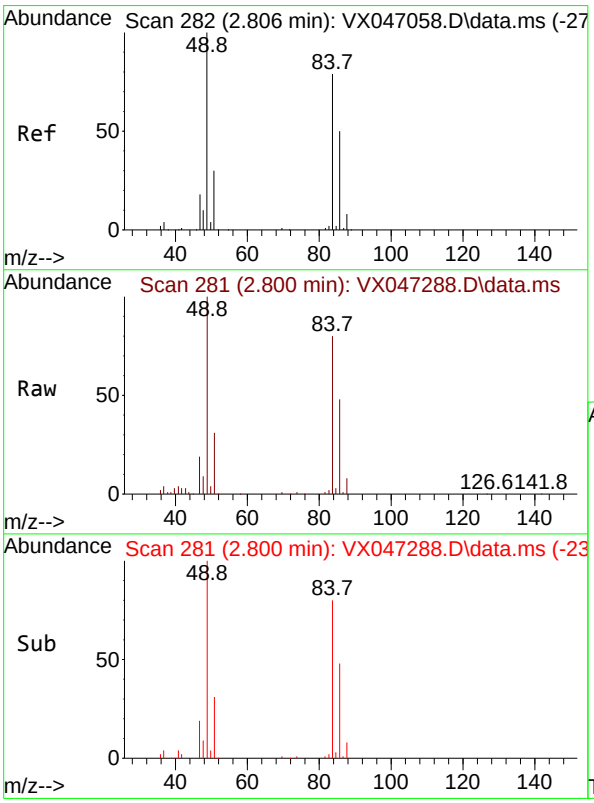
Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

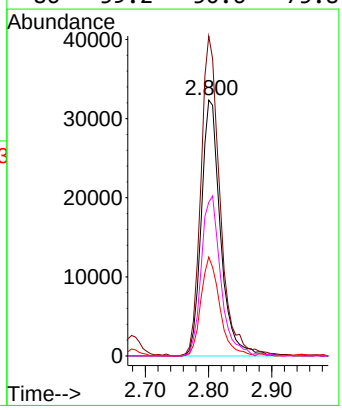
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

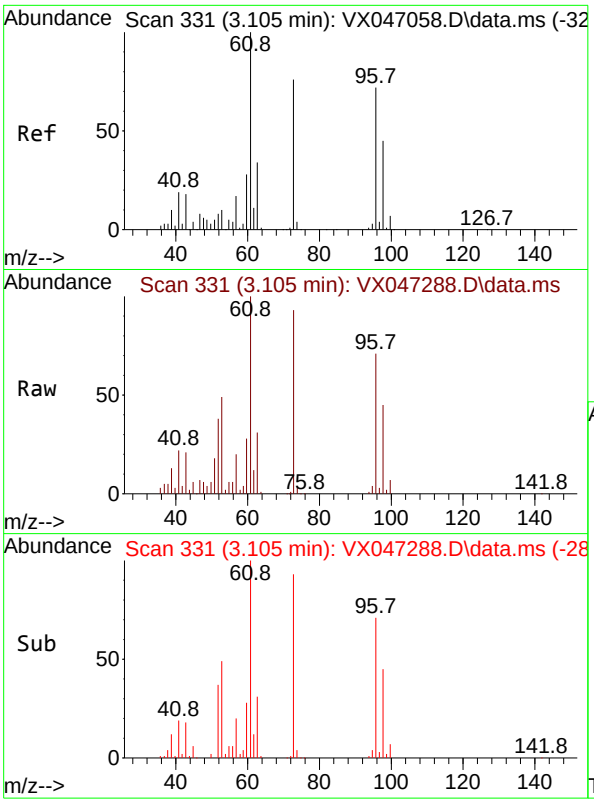


#20
Methylene Chloride
Concen: 18.650 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 84 Resp: 68289

Ion	Ratio	Lower	Upper
84	100		
49	121.1	101.6	152.4
51	37.4	30.3	45.5
86	59.2	50.6	75.8

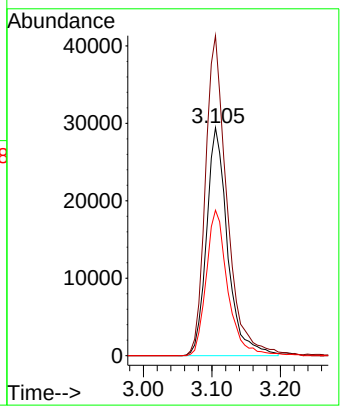




#21
trans-1,2-Dichloroethene
Concen: 18.386 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 96 Resp: 6306

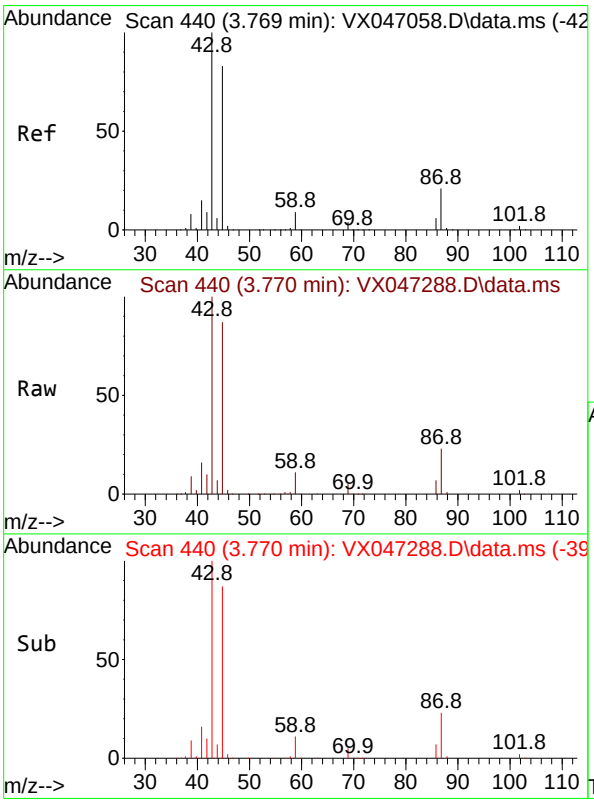
Ion	Ratio	Lower	Upper
96	100		
61	140.4	111.1	166.7
98	63.8	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

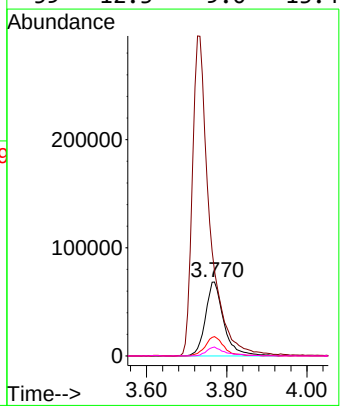
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

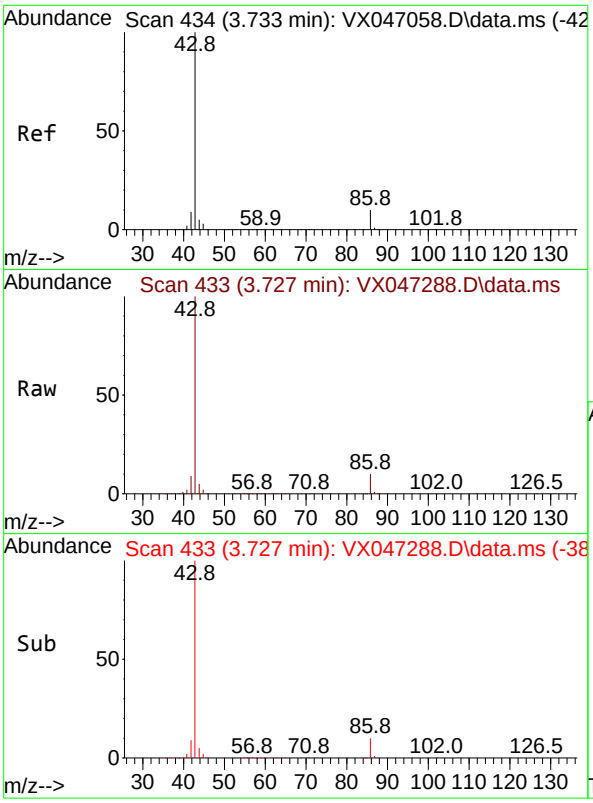


#22
Diisopropyl ether
Concen: 18.641 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 45 Resp: 217146

Ion	Ratio	Lower	Upper
45	100		
43	114.3	96.8	145.2
87	26.0	20.5	30.7
59	12.3	9.0	13.4

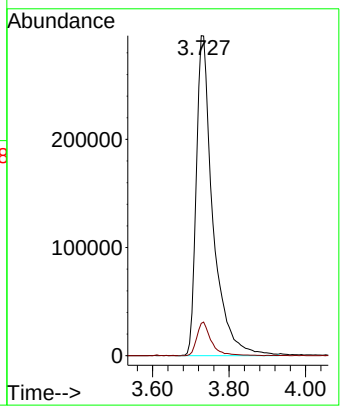




#23
Vinyl Acetate
Concen: 95.391 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 43 Resp: 89123

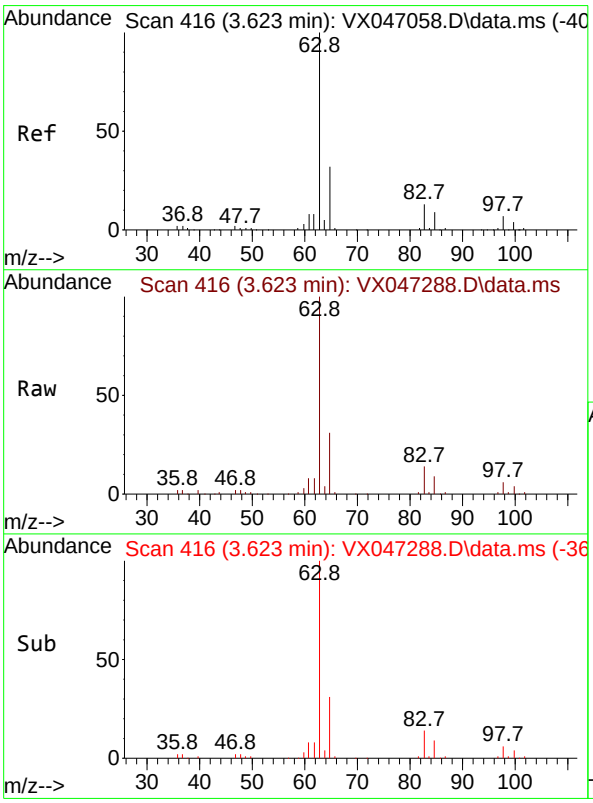
Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

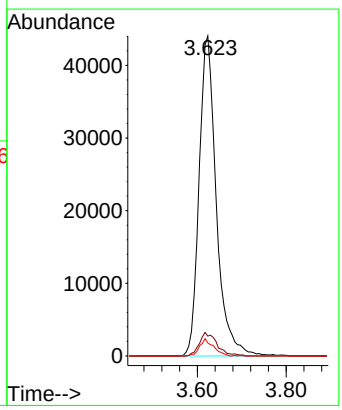
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

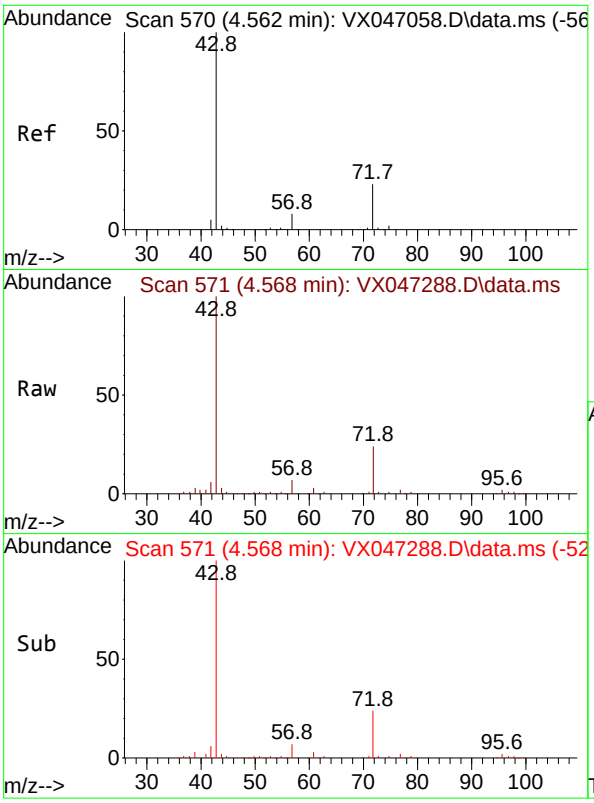


#24
1,1-Dichloroethane
Concen: 18.330 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 63 Resp: 118731

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.6	10.8
100	4.1	2.3	6.8

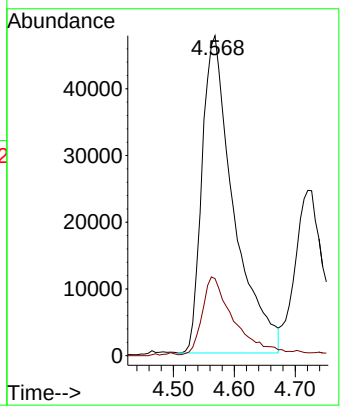




#25
2-Butanone
Concen: 88.371 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 43 Resp: 17126

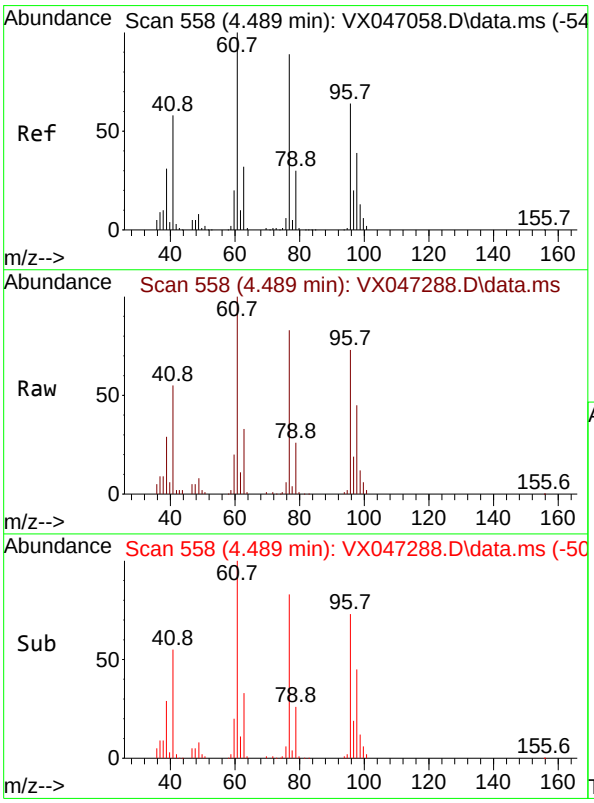
Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

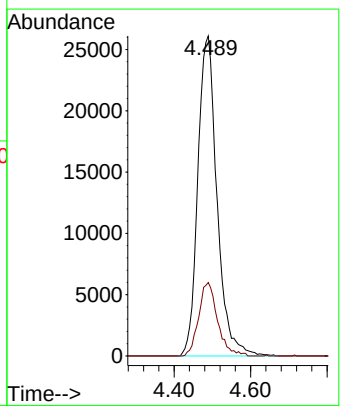
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

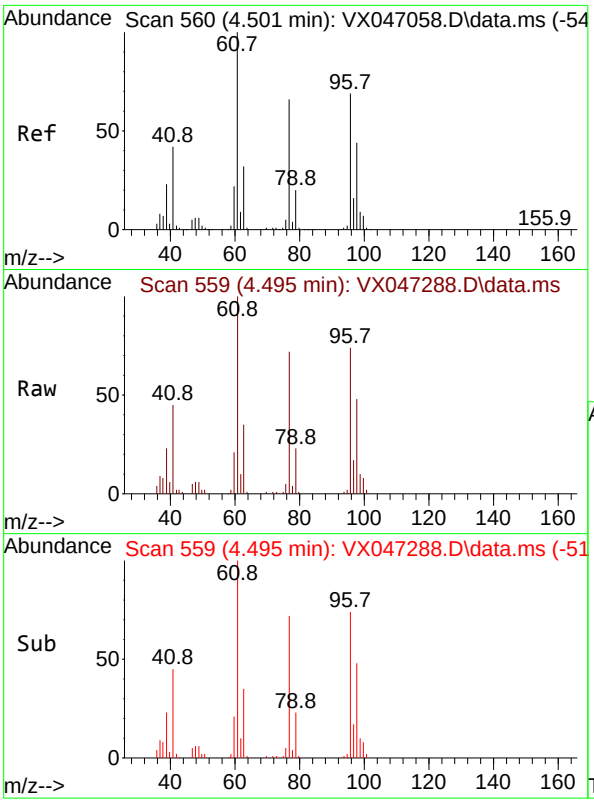


#26
2,2-Dichloropropane
Concen: 18.102 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 77 Resp: 90767

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.4	34.1

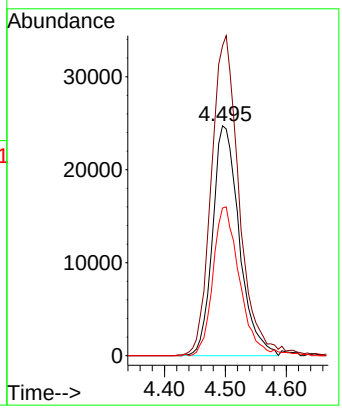




#27
cis-1,2-Dichloroethene
Concen: 18.457 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 96 Resp: 7496

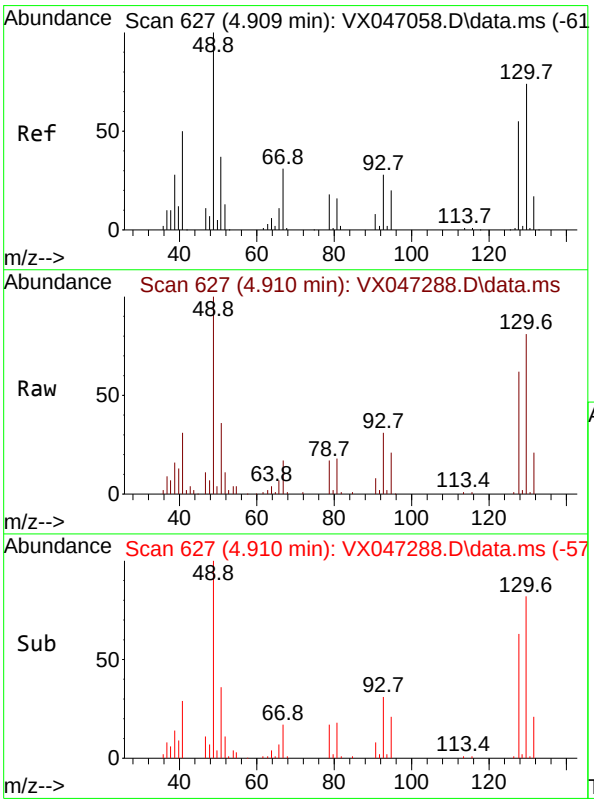
Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	298.6
98	63.9	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

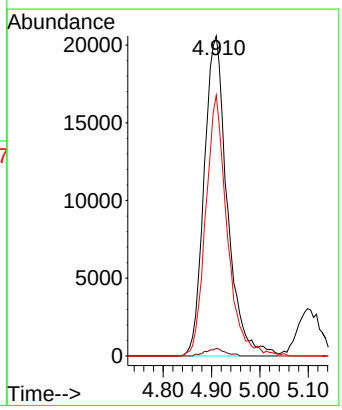
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

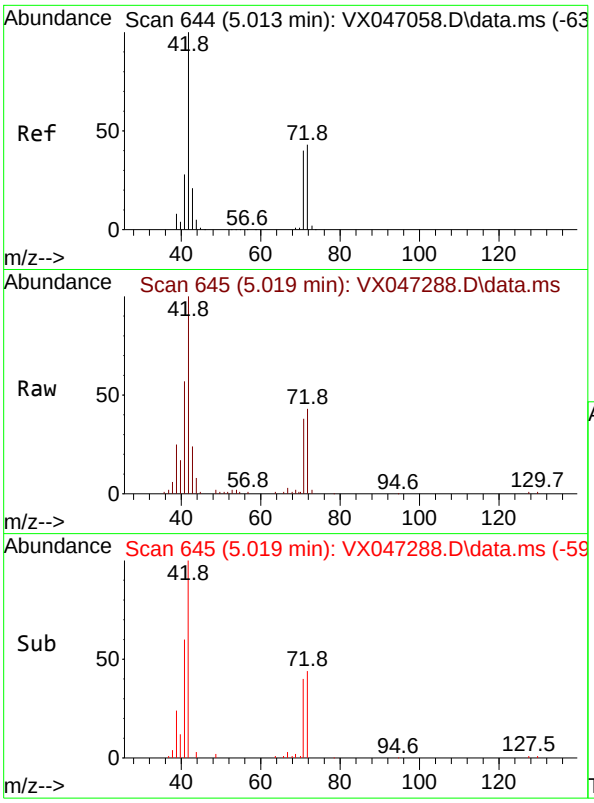


#28
Bromochloromethane
Concen: 22.890 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 49 Resp: 68214

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	75.7	59.0	88.4





#29
Tetrahydrofuran
Concen: 84.883 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

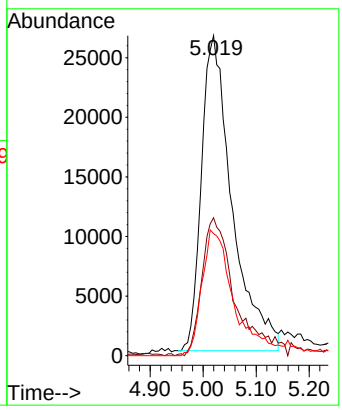
Tgt Ion: 42 Resp: 10613

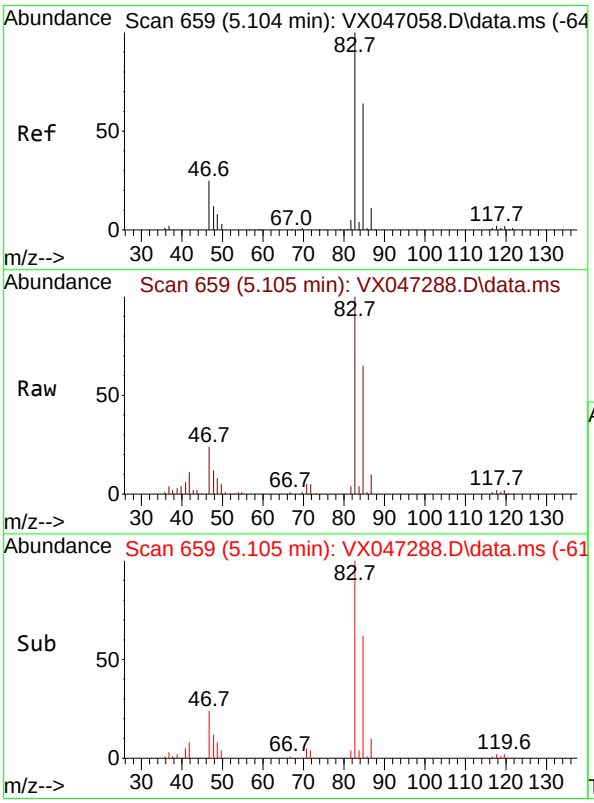
Ion	Ratio	Lower	Upper
42	100		
72	47.3	33.7	50.5
71	41.5	31.0	46.4

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

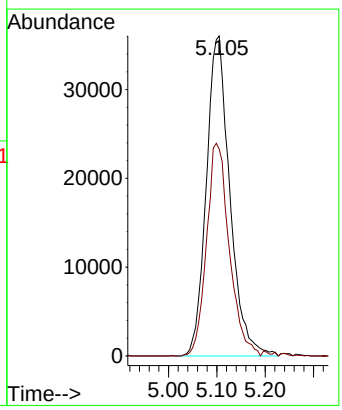


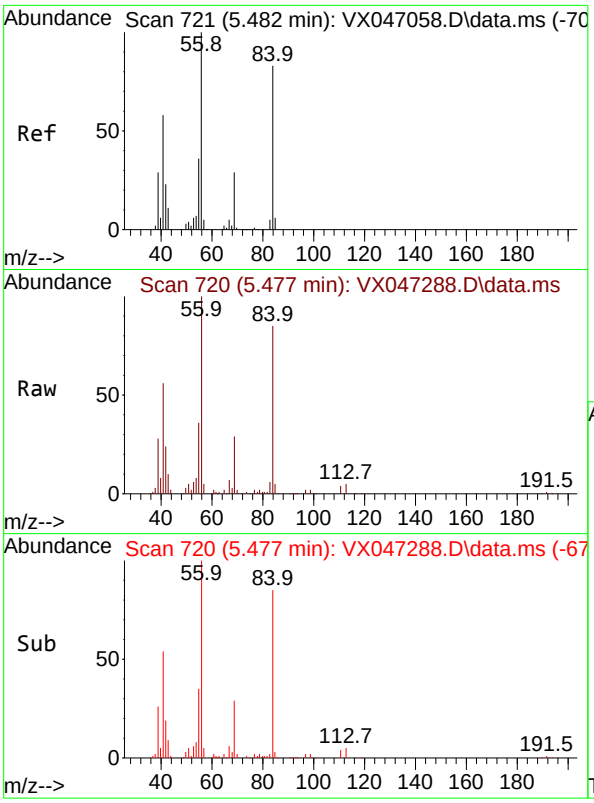


#30
Chloroform
Concen: 18.467 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 83 Resp: 121763

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.9	76.3





#31
Cyclohexane
Concen: 17.389 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

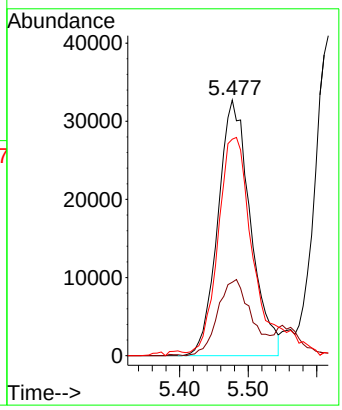
Tgt Ion: 56 Resp: 10800

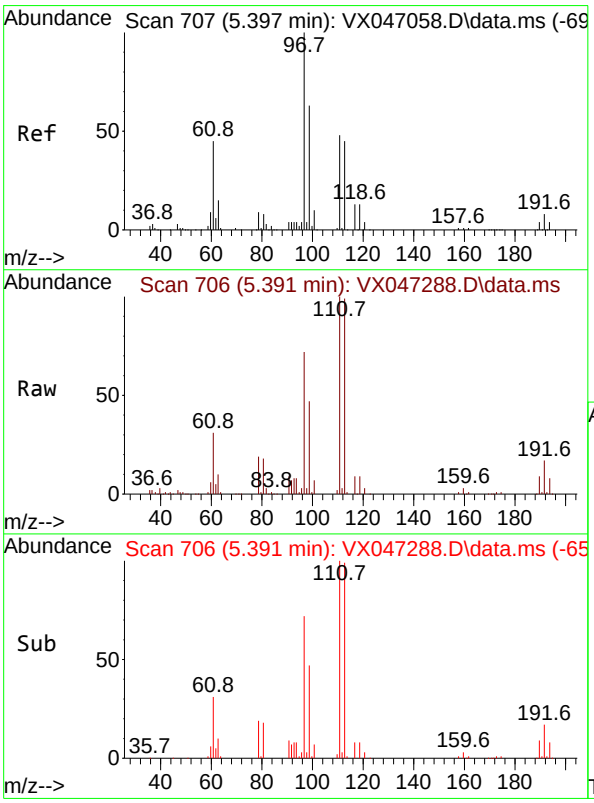
Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.3	34.9
84	82.8	66.5	99.7

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

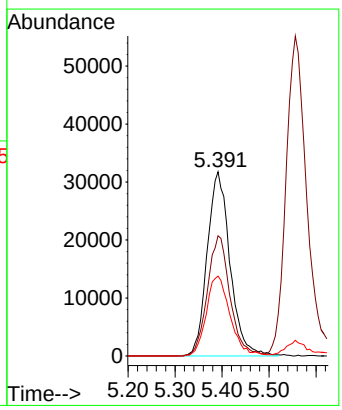


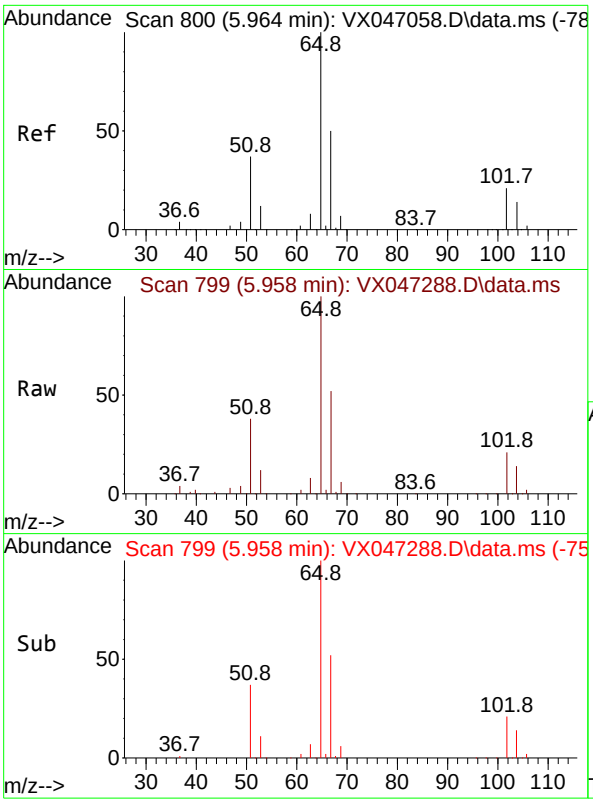


#32
1,1,1-Trichloroethane
Concen: 18.685 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 97 Resp: 107008

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.2	76.8
61	45.3	37.1	55.7

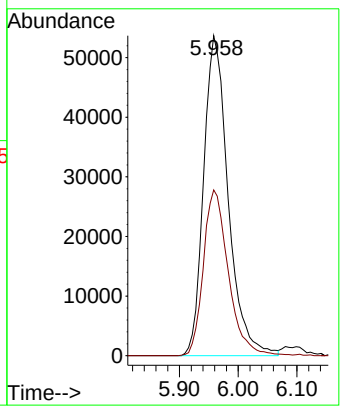




#33
1,2-Dichloroethane-d4
Concen: 46.963 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 65 Resp: 15602

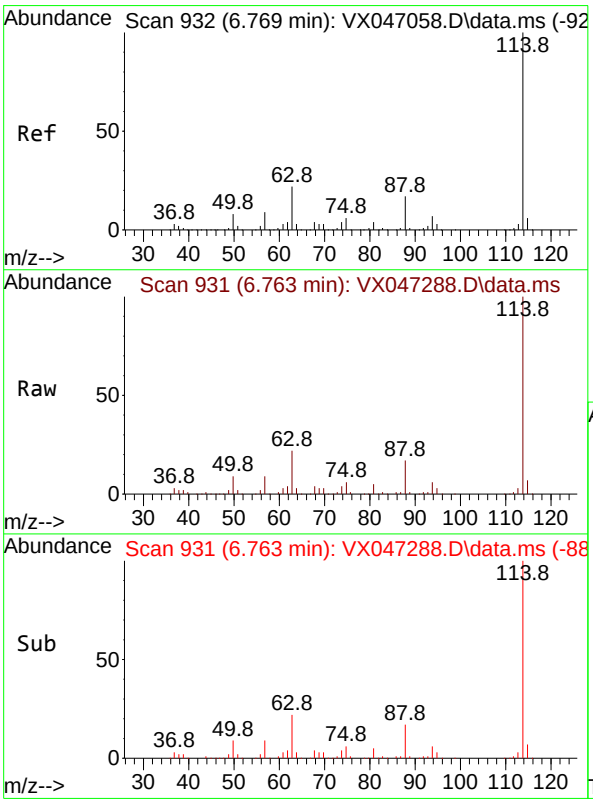
Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations APPROVED

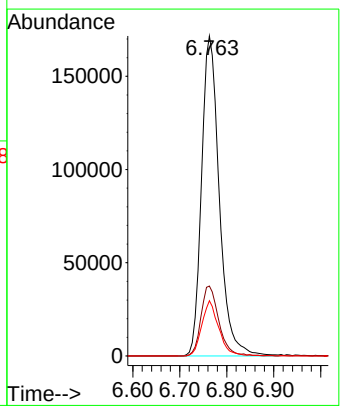
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

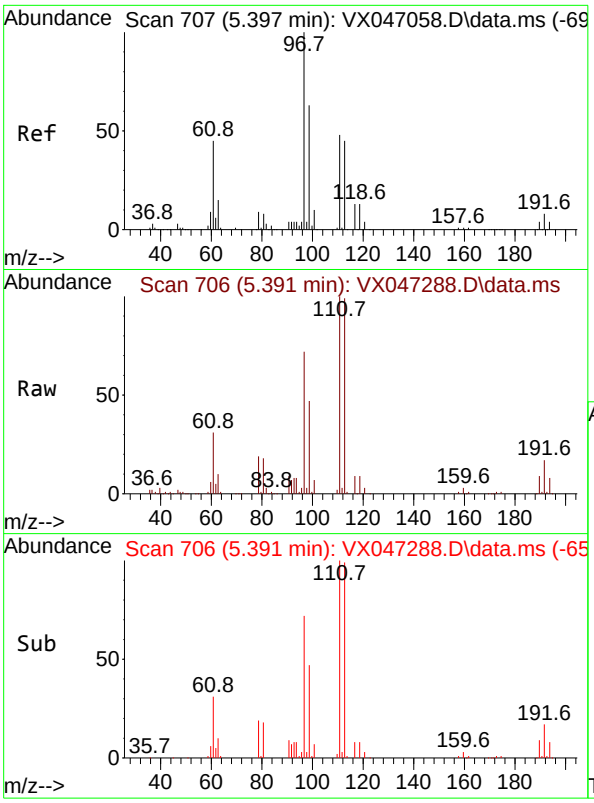


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:114 Resp: 450165

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	17.2	0.0	33.8

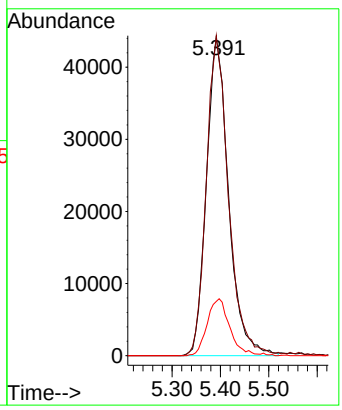




#35
Dibromofluoromethane
Concen: 50.458 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:113 Resp: 14024

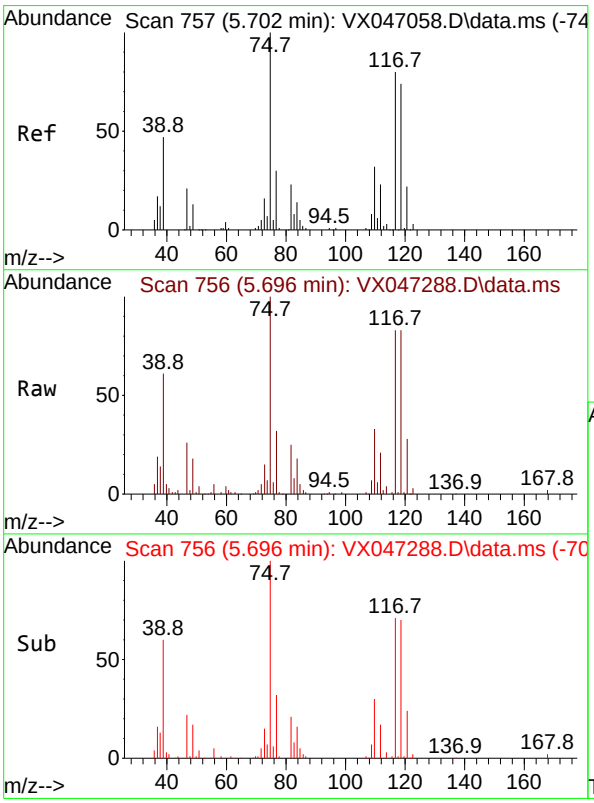
Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.6	124.0
192	18.2	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

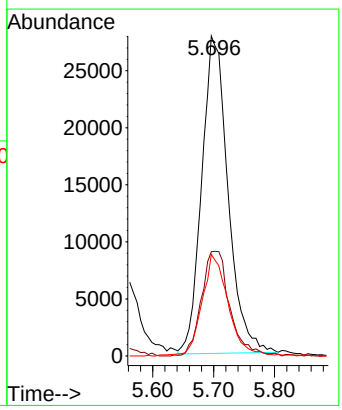
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

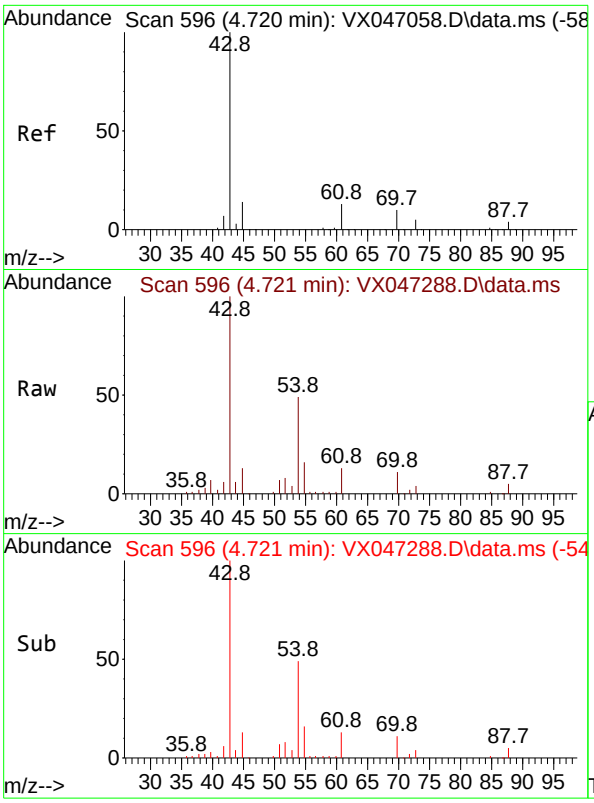


#36
1,1-Dichloropropene
Concen: 17.638 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 75 Resp: 83564

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.2	51.5
77	32.0	25.1	37.7

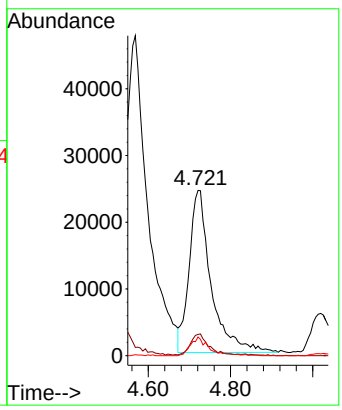




#37
Ethyl Acetate
Concen: 20.726 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 43 Resp: 9048

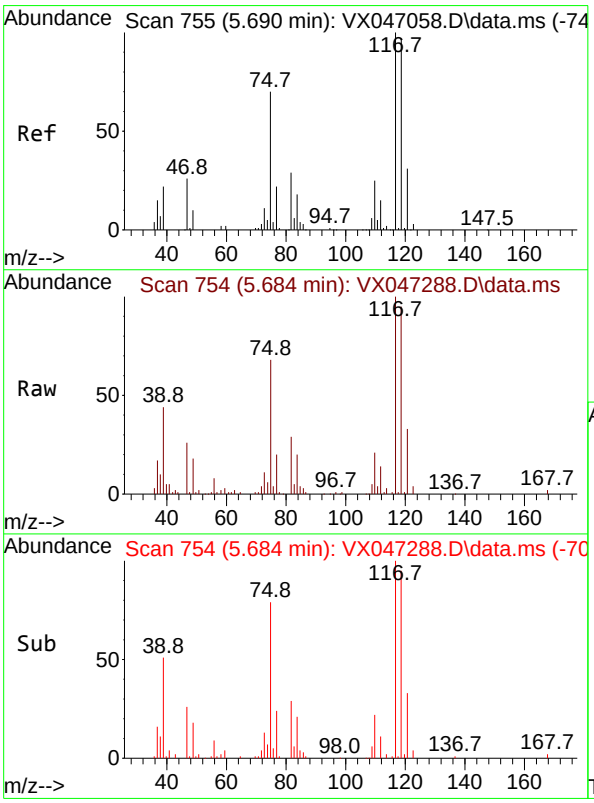
Ion	Ratio	Lower	Upper
43	100		
61	10.3	10.2	15.2
70	9.6	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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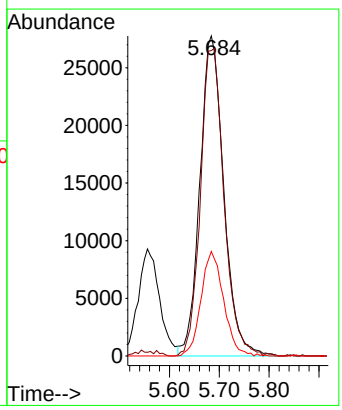
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

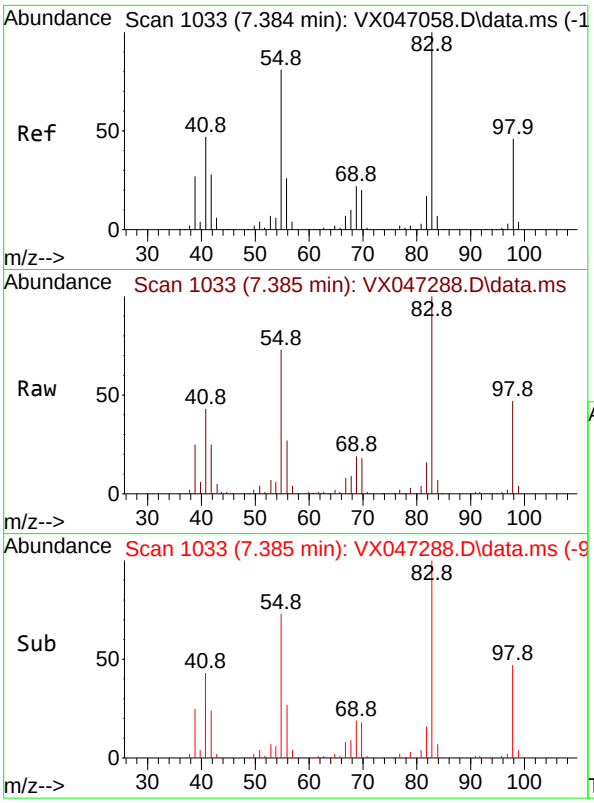


#38
Carbon Tetrachloride
Concen: 18.286 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:117 Resp: 92470

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	115.0
121	32.6	24.4	36.6

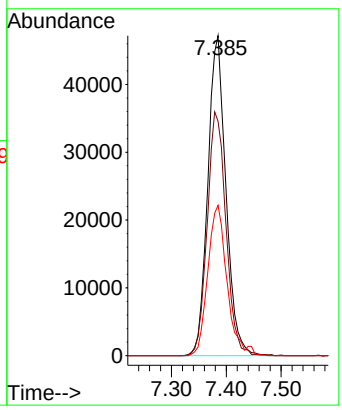




#39
Methylcyclohexane
Concen: 18.264 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 83 Resp: 10804

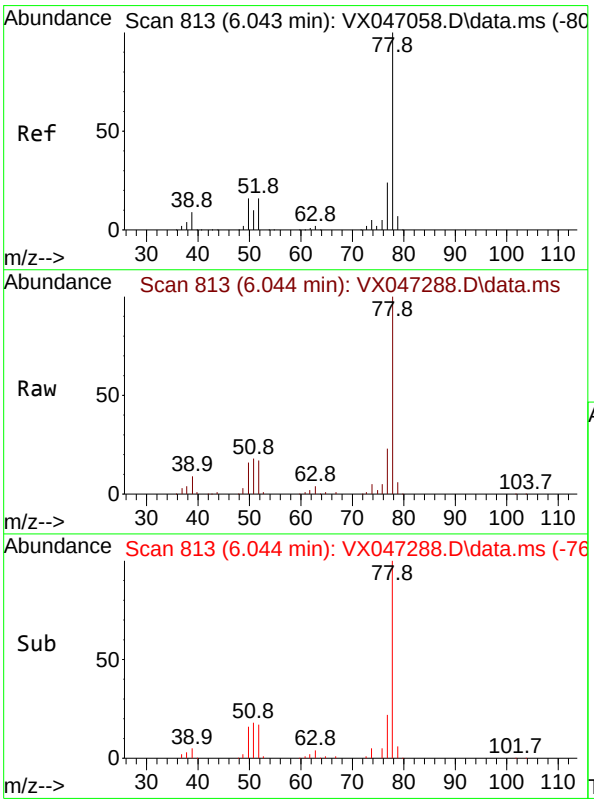
Ion	Ratio	Lower	Upper
83	100		
55	73.3	64.5	96.7
98	47.0	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

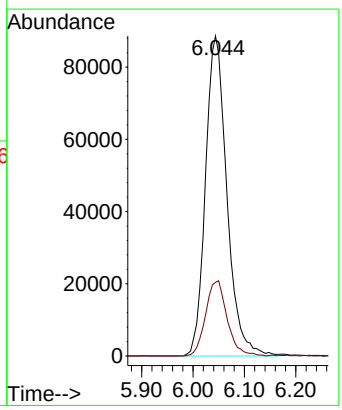
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

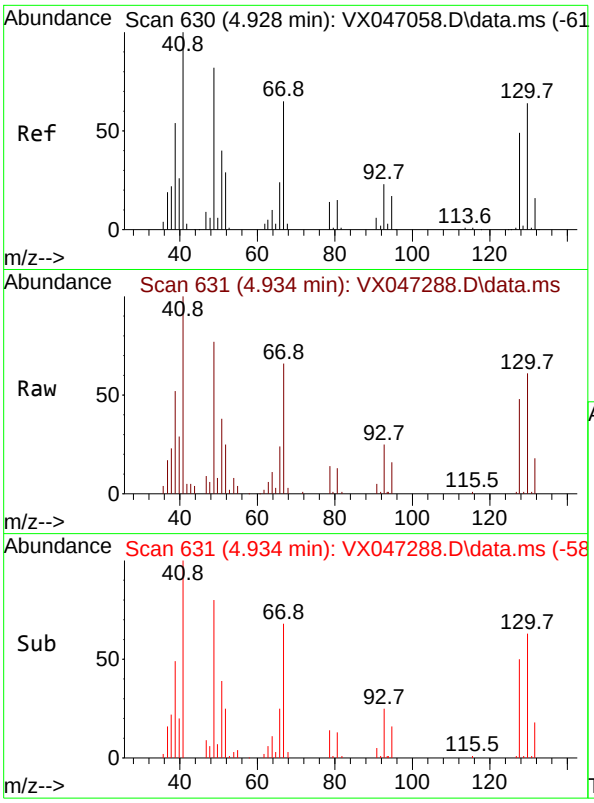


#40
Benzene
Concen: 18.710 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 78 Resp: 256537

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4

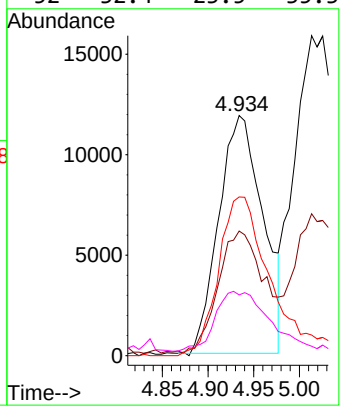




#41
Methacrylonitrile
Concen: 17.439 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 41 Resp: 3980

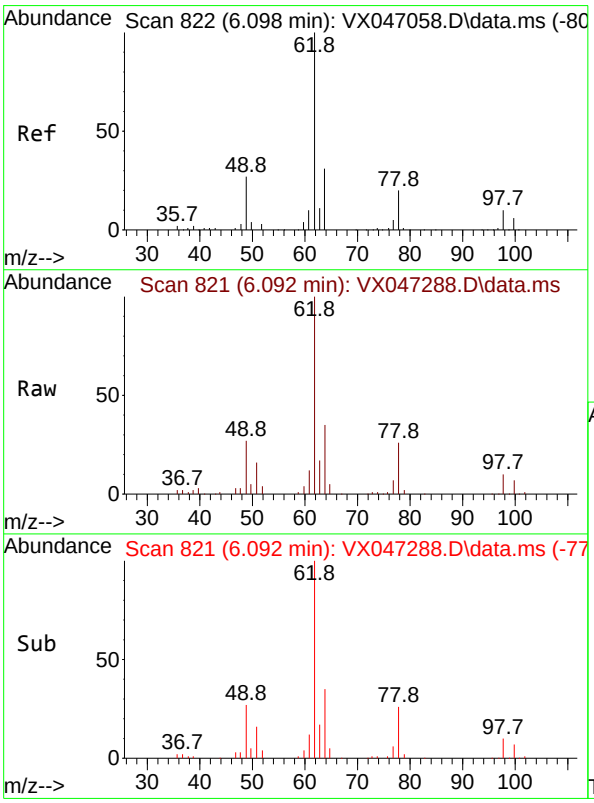
Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.2	66.2
67	80.8	56.4	84.6
52	32.4	23.5	35.3



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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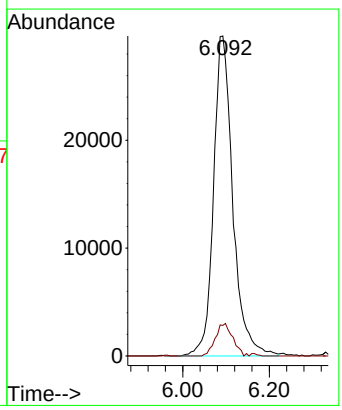
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

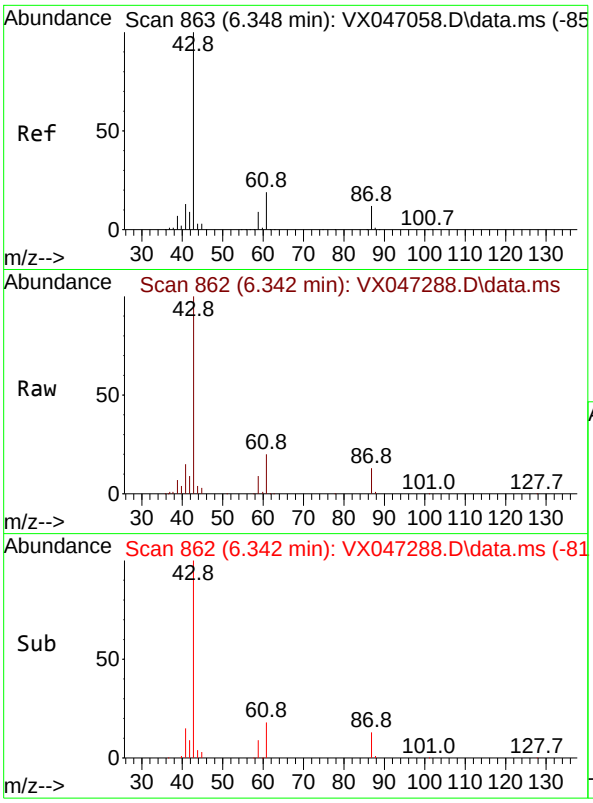


#42
1,2-Dichloroethane
Concen: 19.007 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 62 Resp: 91804

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8





#43
Isopropyl Acetate
Concen: 19.859 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

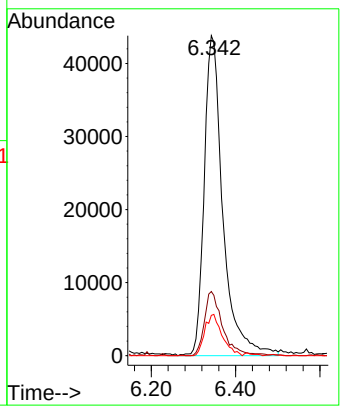
Tgt Ion: 43 Resp: 13516

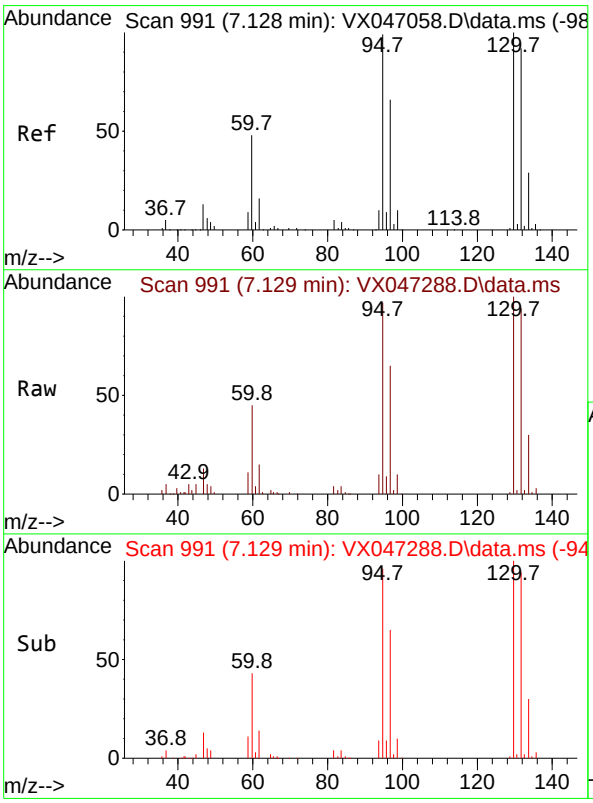
Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.1	22.7
87	11.9	9.7	14.5

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

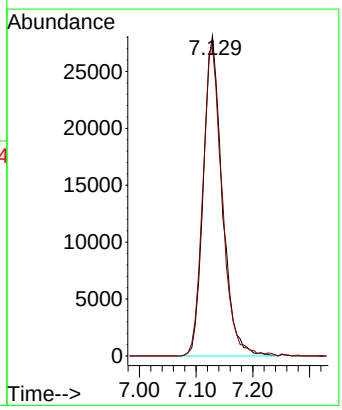


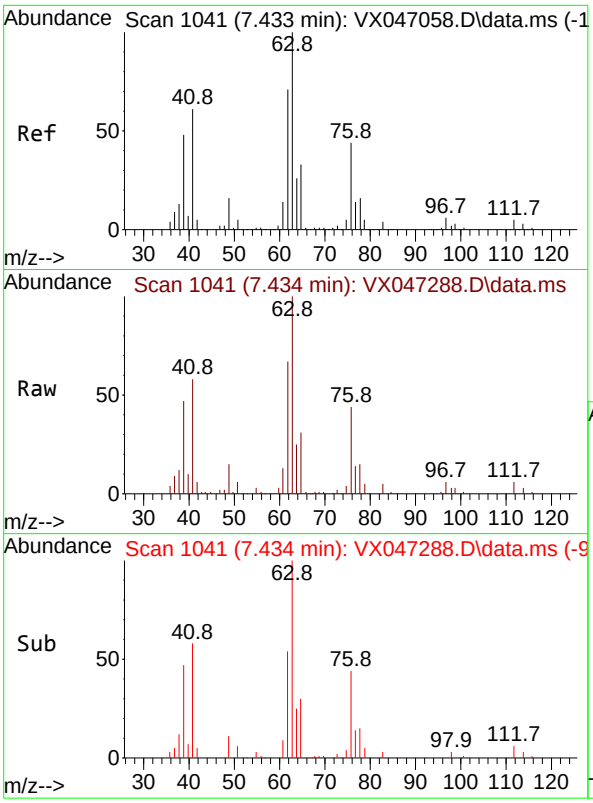


#44
Trichloroethene
Concen: 18.418 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:130 Resp: 64759

Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	198.6

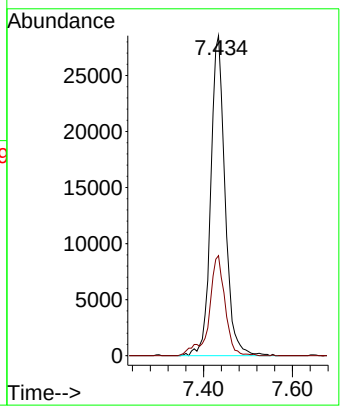




#45
1,2-Dichloropropane
Concen: 18.563 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 63 Resp: 6374

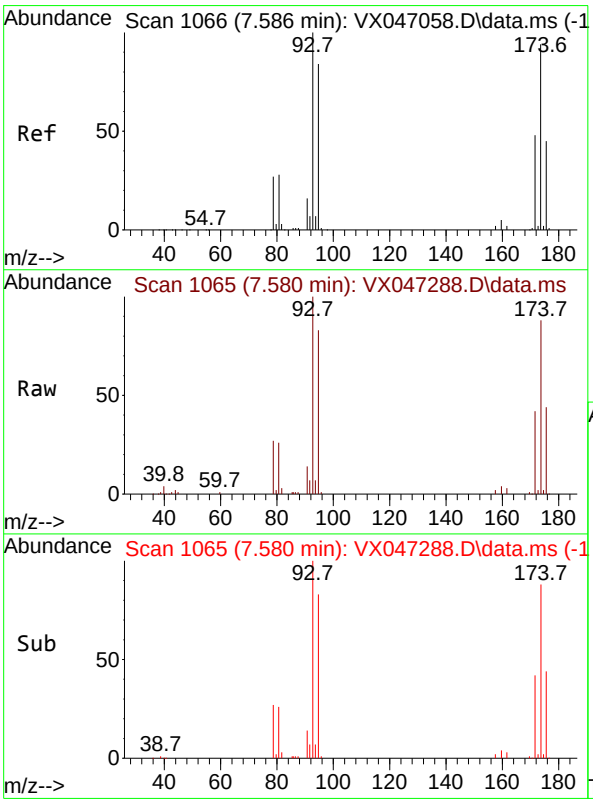
Ion	Ratio	Lower	Upper
63	100		
65	31.3	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

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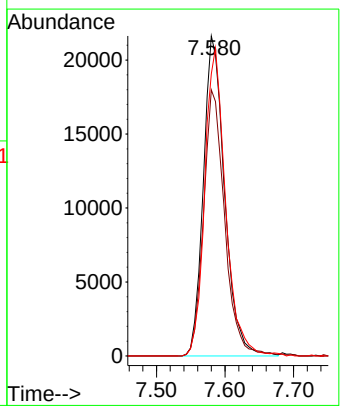
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

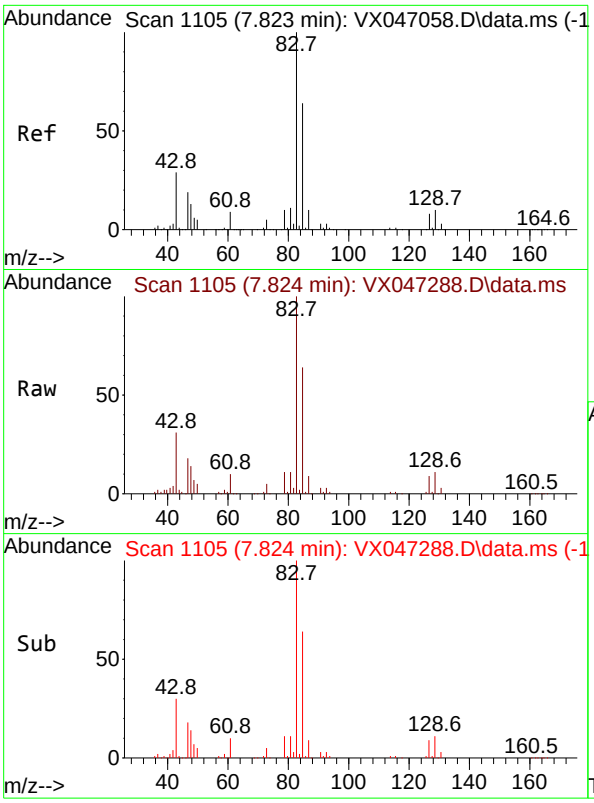


#46
Dibromomethane
Concen: 19.339 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 93 Resp: 46573

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.9	98.9
174	94.4	74.6	112.0

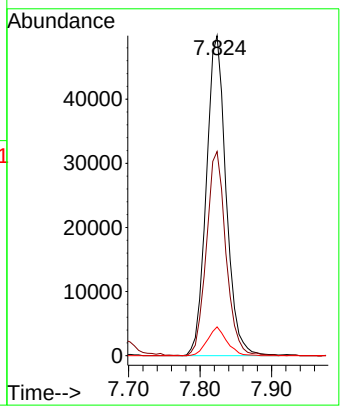




#47
Bromodichloromethane
Concen: 18.645 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

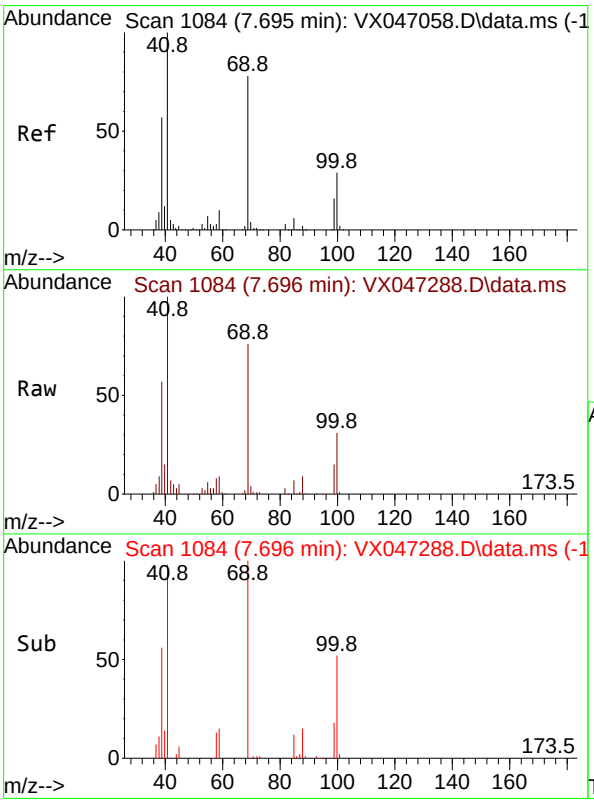
Tgt Ion: 83 Resp: 9557

Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.9	74.9
127	9.0	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

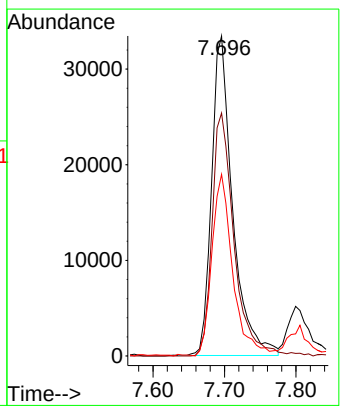
Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

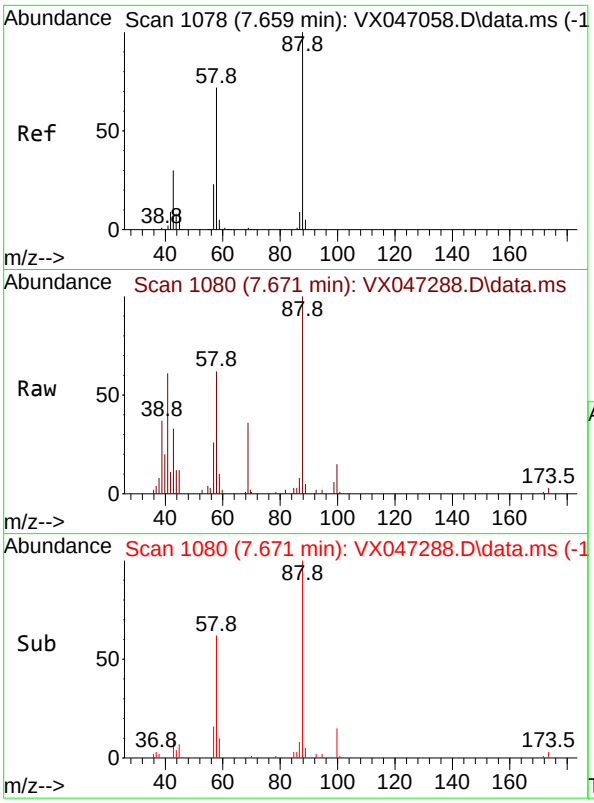


#48
Methyl methacrylate
Concen: 18.402 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 41 Resp: 68229

Ion	Ratio	Lower	Upper
41	100		
69	79.1	62.3	93.5
39	55.7	44.8	67.2





#49
1,4-Dioxane
Concen: 372.088 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

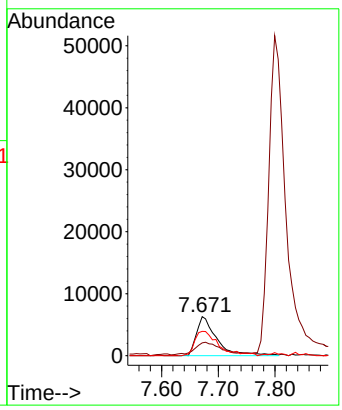
Tgt Ion: 88 Resp: 1569

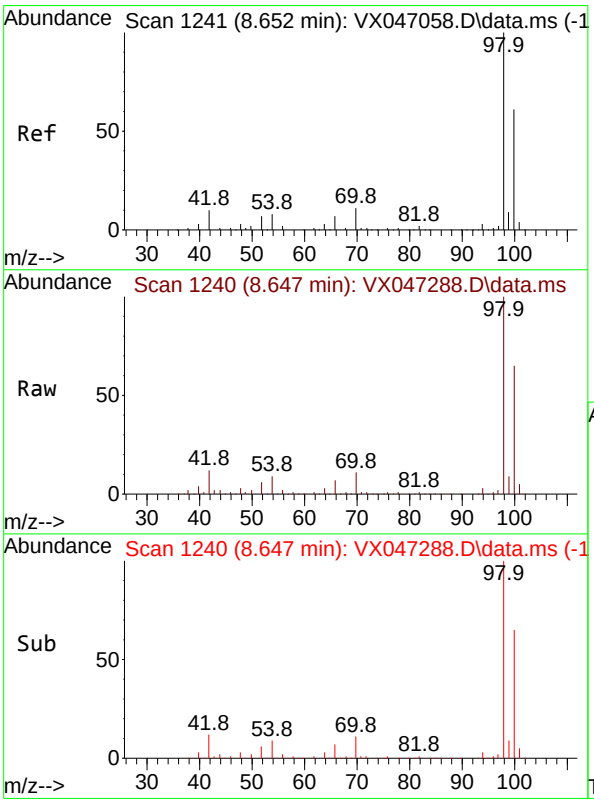
Ion	Ratio	Lower	Upper
88	100		
43	42.0	33.6	50.4
58	71.0	58.8	88.2

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

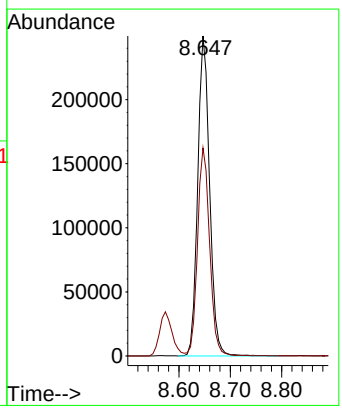


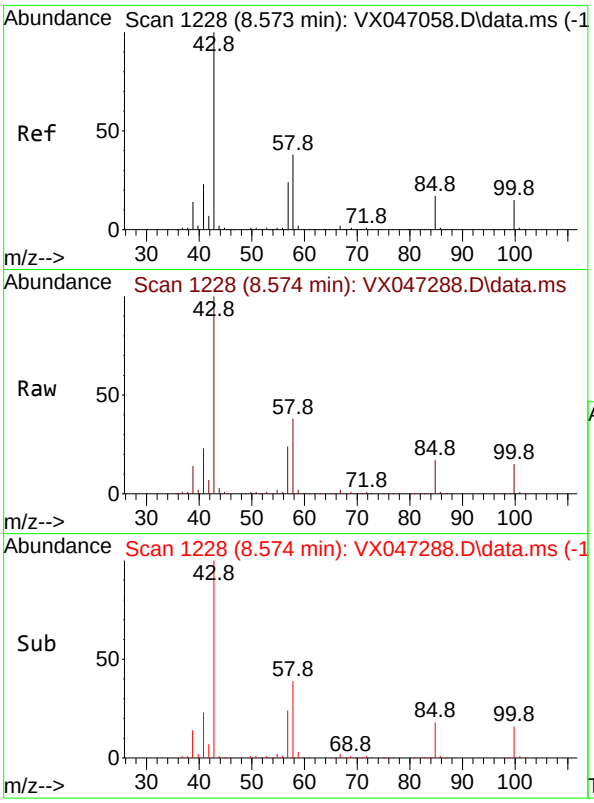


#50
Toluene-d8
Concen: 44.466 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 98 Resp: 400252

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9

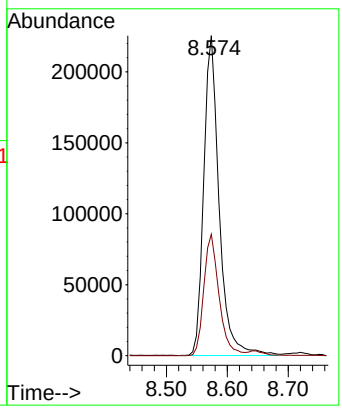




#51
4-Methyl-2-Pentanone
Concen: 97.673 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 43 Resp: 39512

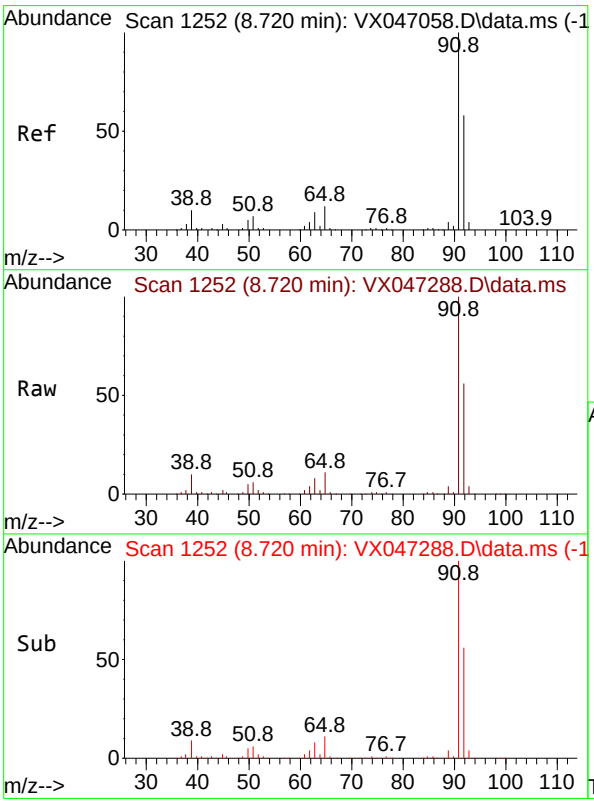
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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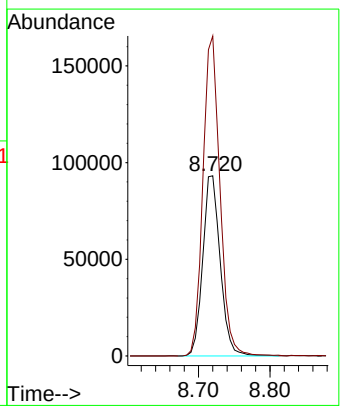
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

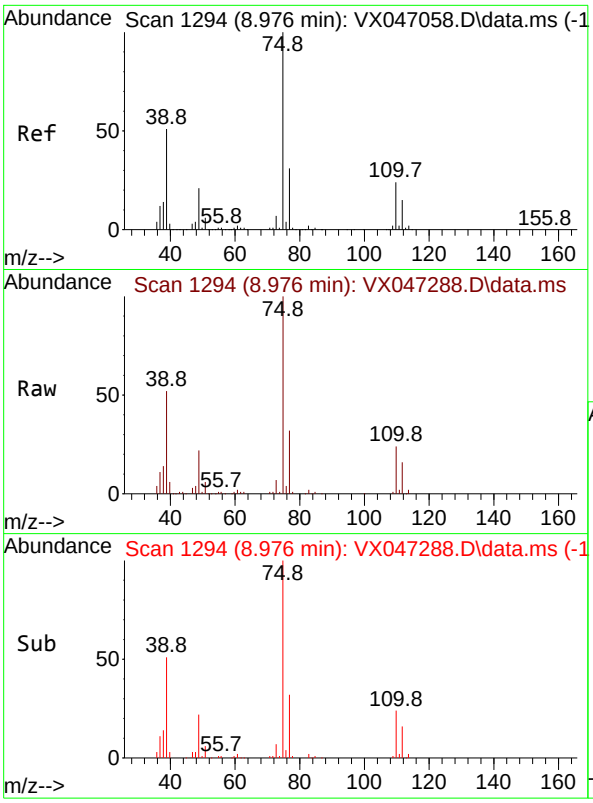


#52
Toluene
Concen: 18.752 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 92 Resp: 158098

Ion	Ratio	Lower	Upper
92	100		
91	172.9	137.9	206.9

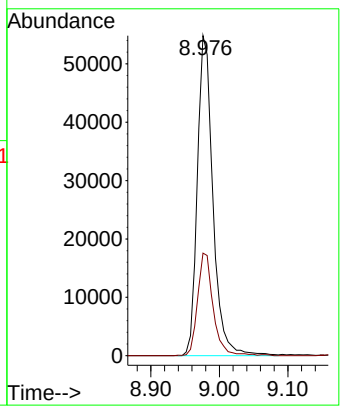




#53
t-1,3-Dichloropropene
Concen: 17.948 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 75 Resp: 8687

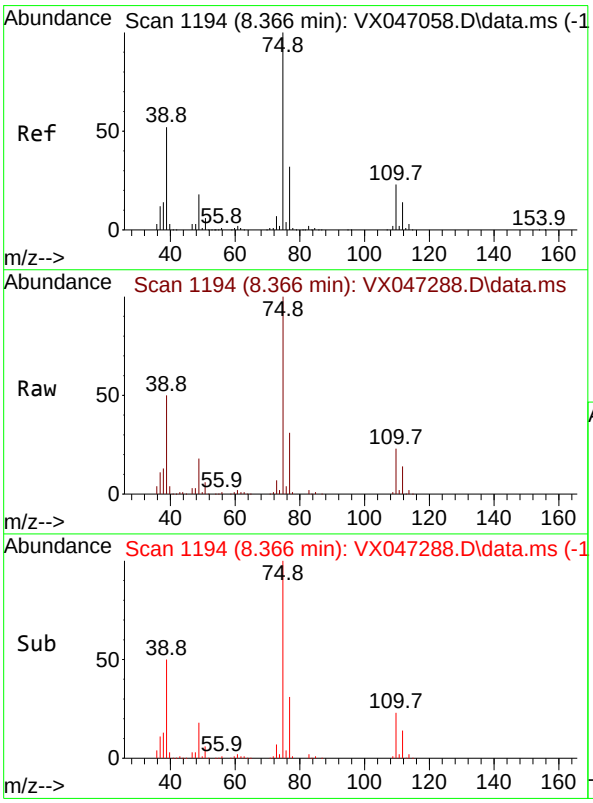
Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

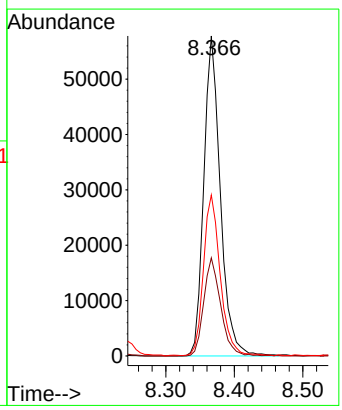
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

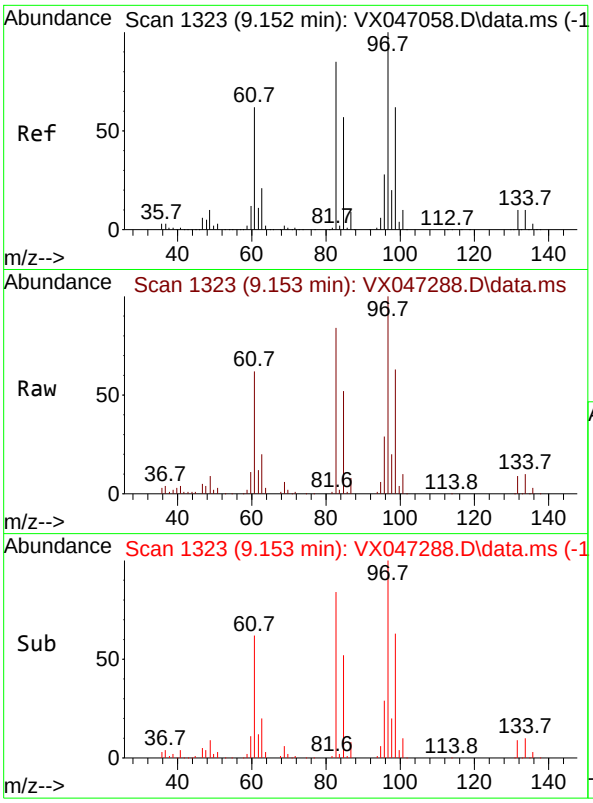


#54
cis-1,3-Dichloropropene
Concen: 18.354 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 75 Resp: 97236

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0
39	50.1	41.8	62.6

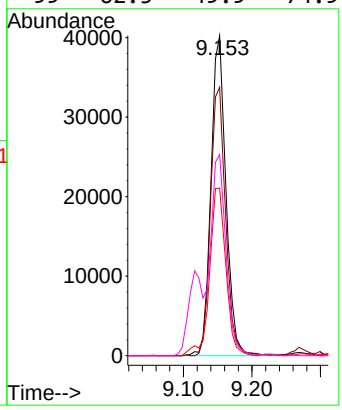




#55
1,1,2-Trichloroethane
Concen: 19.388 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 97 Resp: 6130

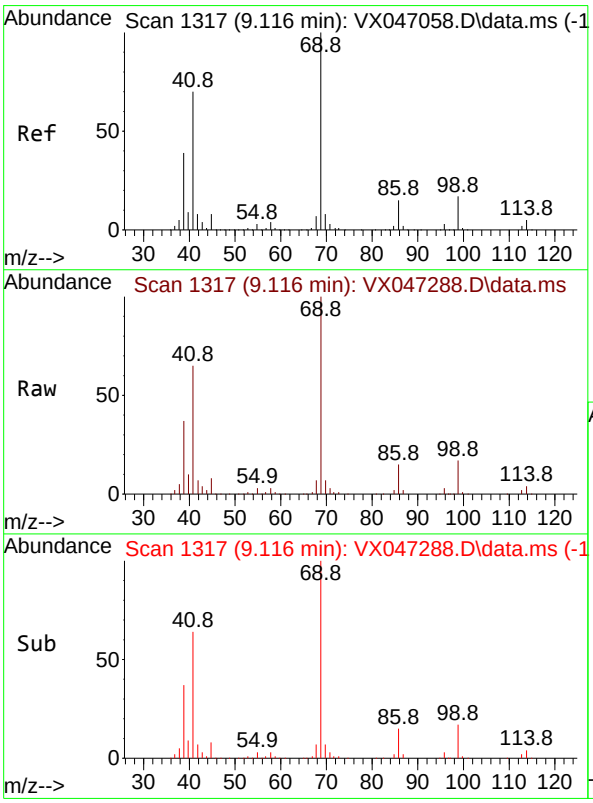
Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.0	102.0
85	52.1	45.2	67.8
99	62.5	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

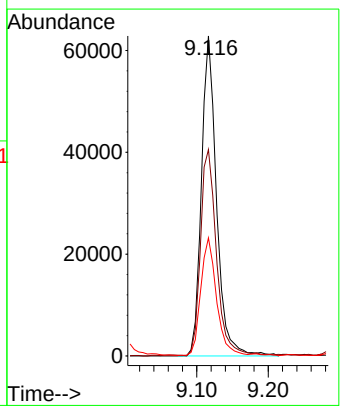
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

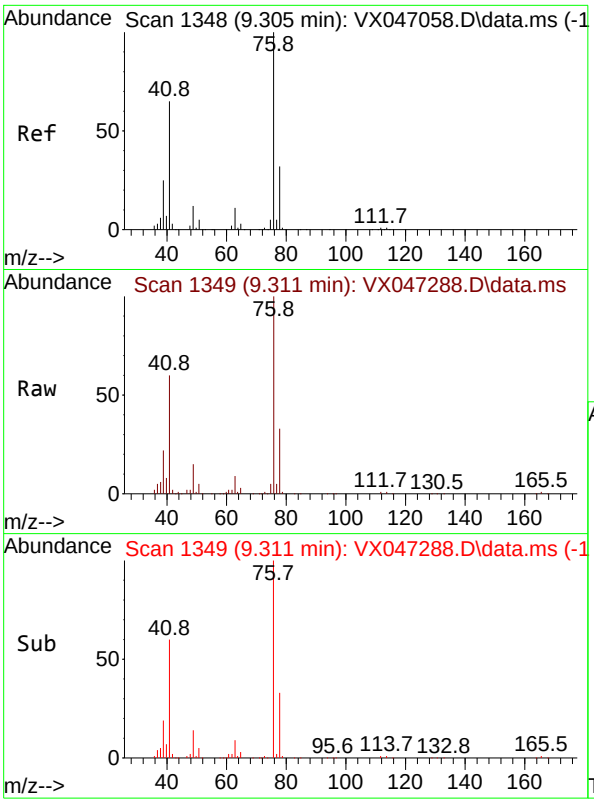


#56
Ethyl methacrylate
Concen: 19.717 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 69 Resp: 92290

Ion	Ratio	Lower	Upper
69	100		
41	67.8	56.1	84.1
39	38.0	31.1	46.7

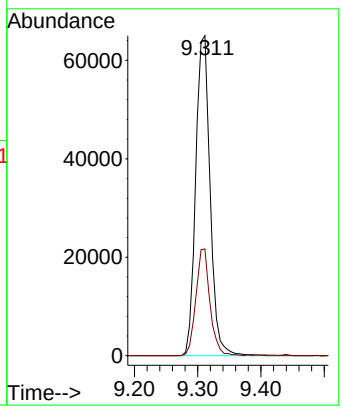




#57
1,3-Dichloropropane
Concen: 18.828 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 76 Resp: 10345

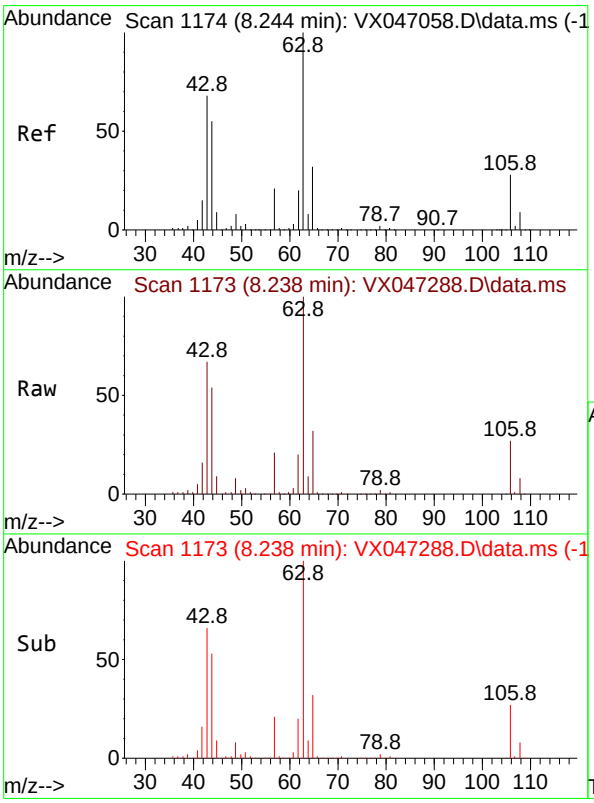
Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations APPROVED

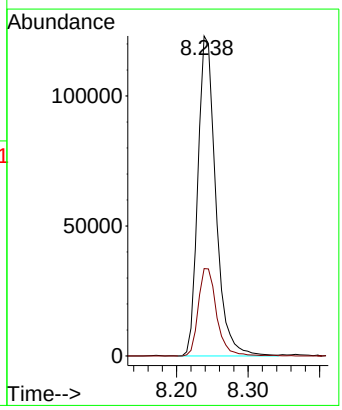
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

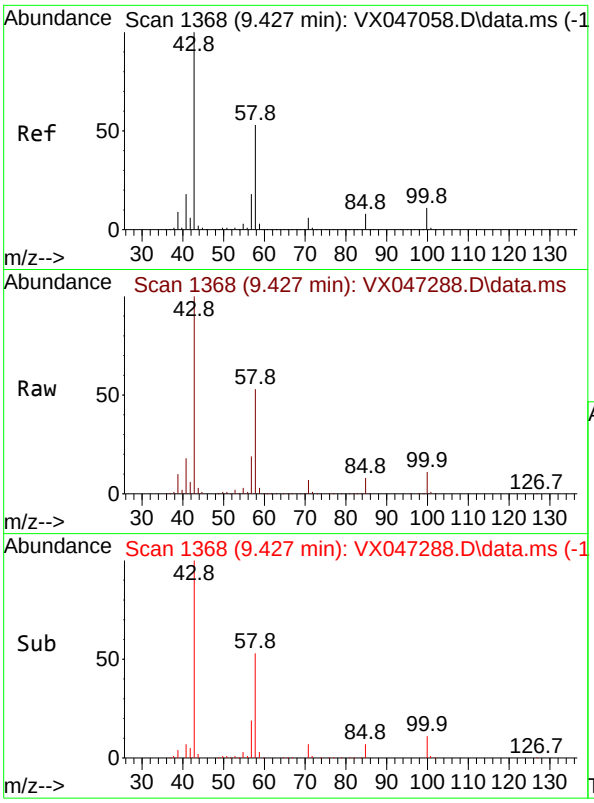


#58
2-Chloroethyl Vinyl ether
Concen: 82.055 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 63 Resp: 213726

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.2	33.4

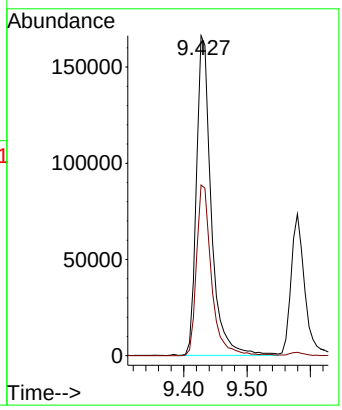




#59
2-Hexanone
Concen: 101.199 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 43 Resp: 27047

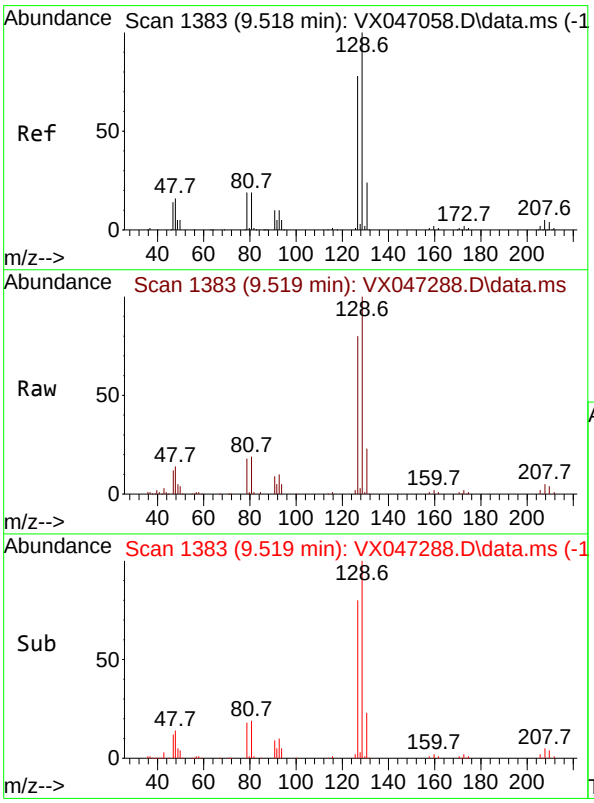
Ion	Ratio	Lower	Upper
43	100		
58	54.0	26.5	79.5



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

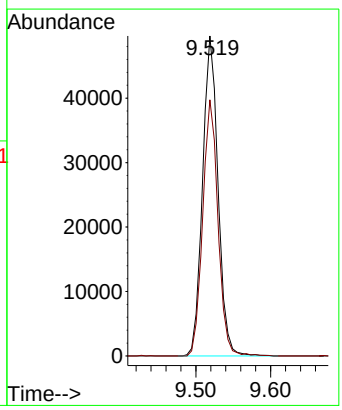
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

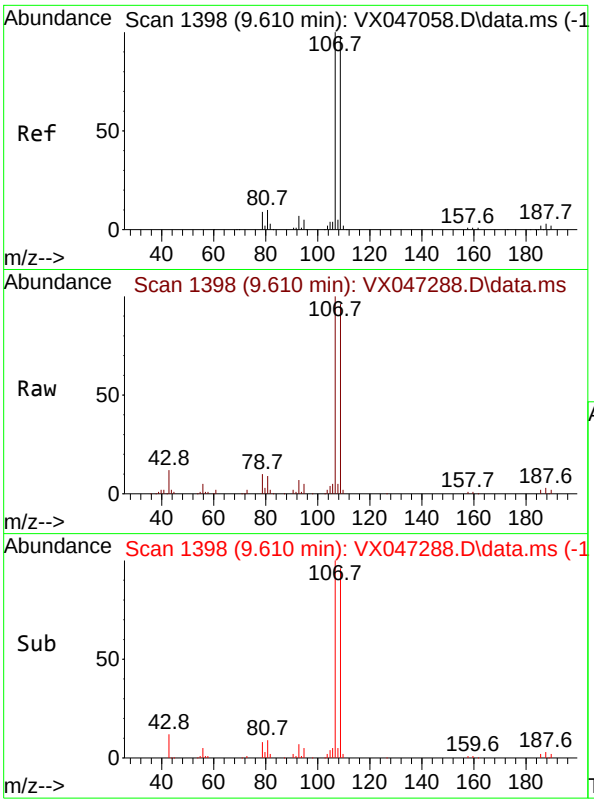


#60
Dibromochloromethane
Concen: 19.238 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:129 Resp: 71339

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.6	115.8

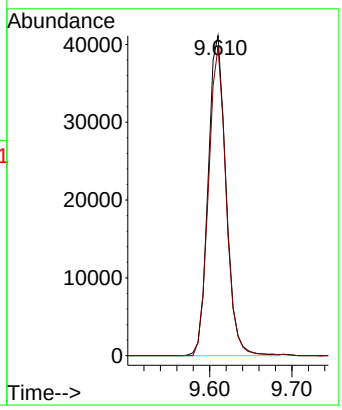




#61
1,2-Dibromoethane
Concen: 18.738 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:107 Resp: 6194

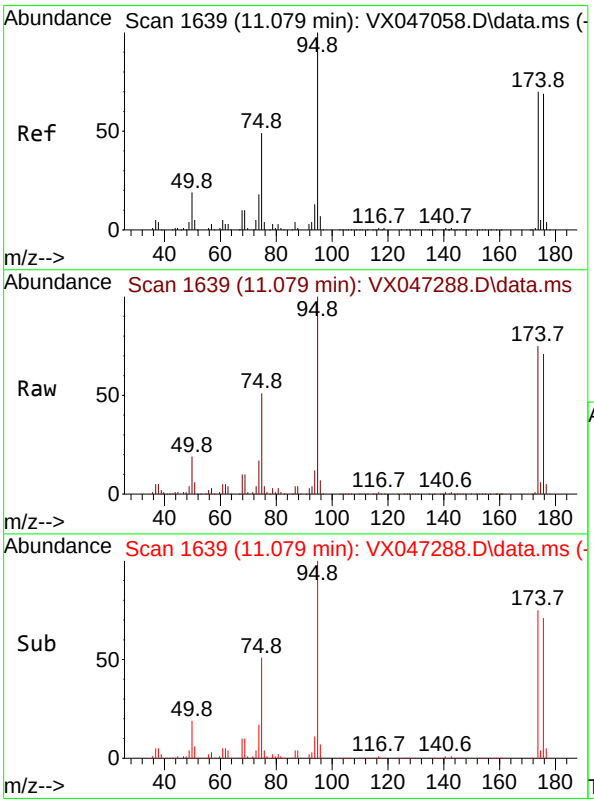
Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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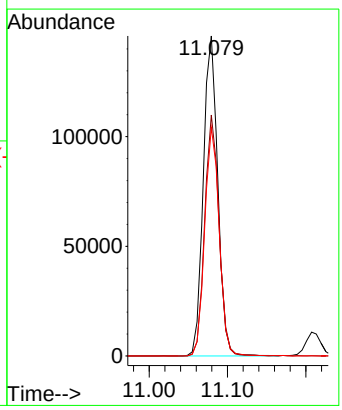
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

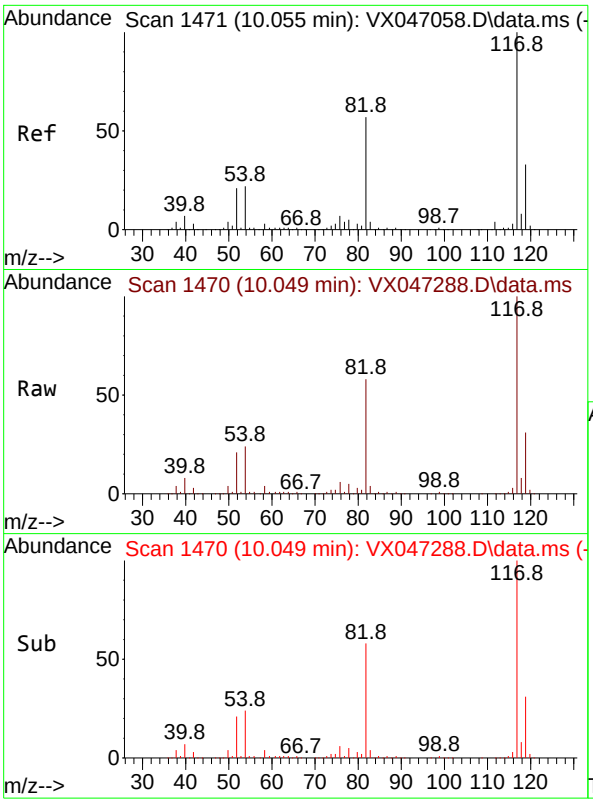


#62
4-Bromofluorobenzene
Concen: 48.168 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 95 Resp: 186845

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	144.6
176	71.4	0.0	139.6





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

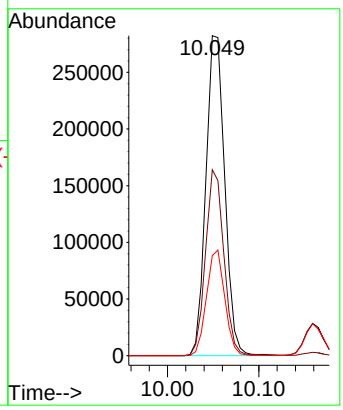
Tgt Ion:117 Resp: 40340

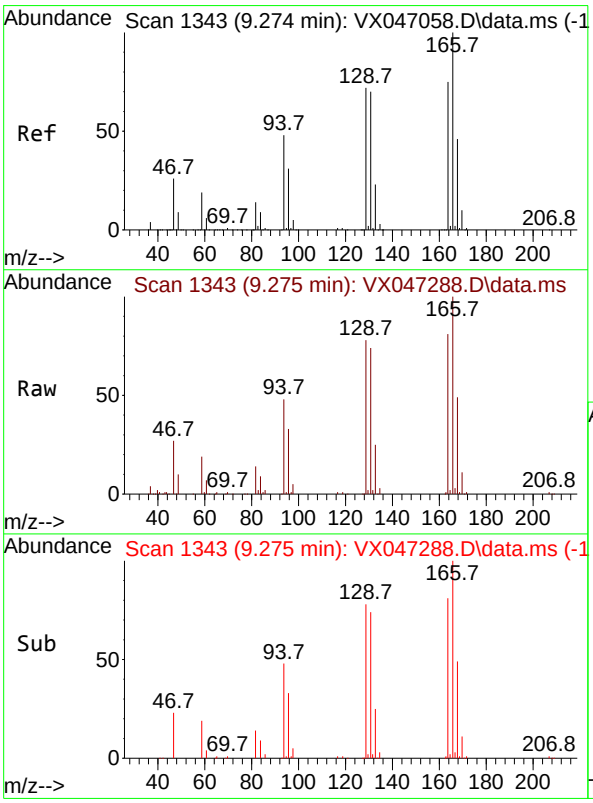
Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.4	68.2
119	31.2	26.1	39.1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

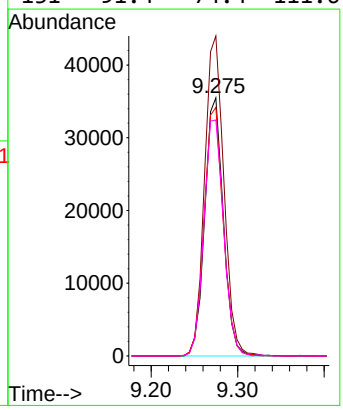


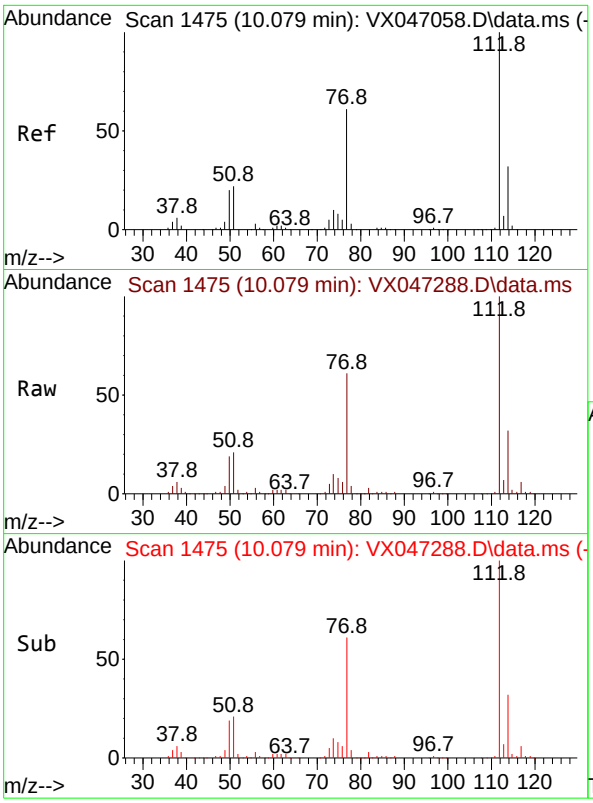


#64
Tetrachloroethene
Concen: 18.190 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:164 Resp: 52898

Ion	Ratio	Lower	Upper
164	100		
166	124.0	106.2	159.4
129	96.2	76.6	114.8
131	91.4	74.4	111.6

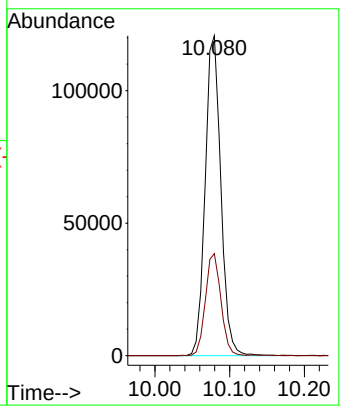




#65
Chlorobenzene
Concen: 18.556 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:112 Resp: 17536

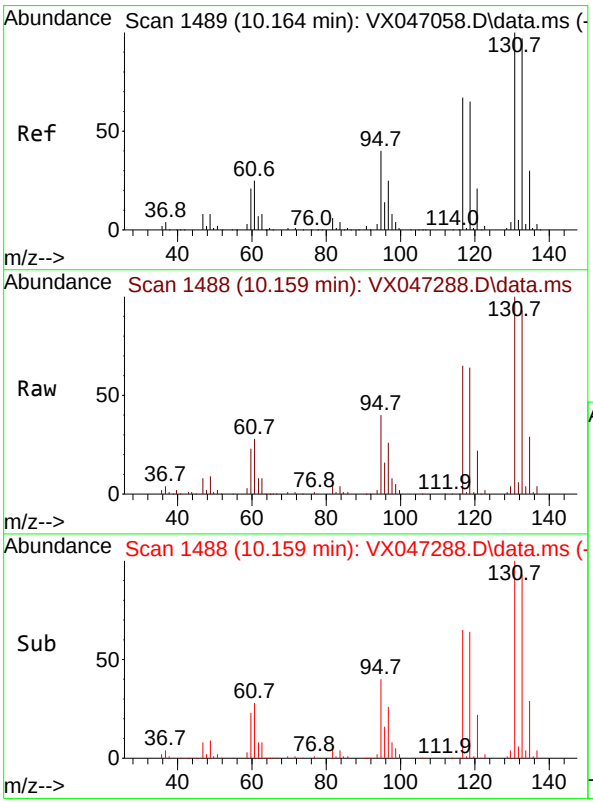
Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

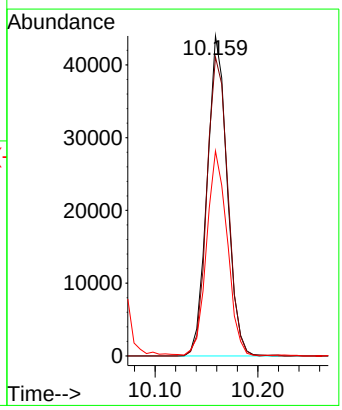
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

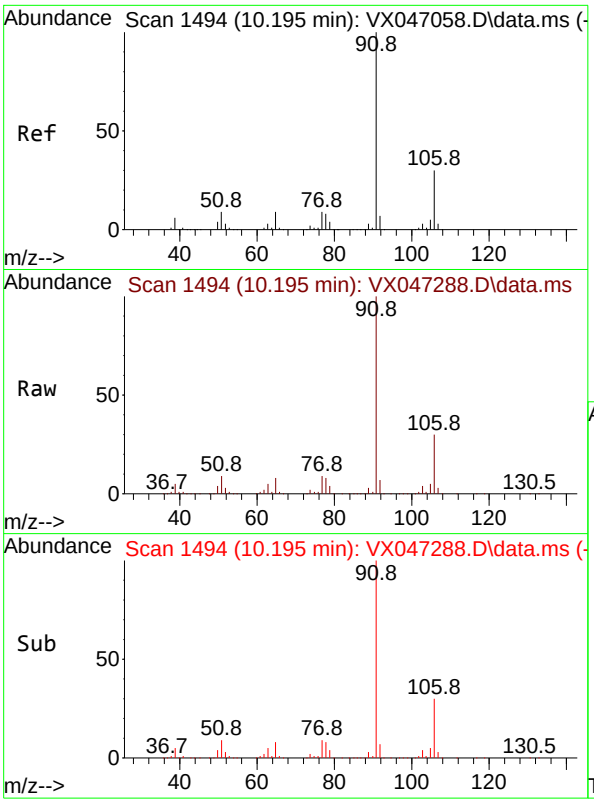


#66
1,1,1,2-Tetrachloroethane
Concen: 18.759 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:131 Resp: 59685

Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.4	145.3
119	65.5	32.4	97.0

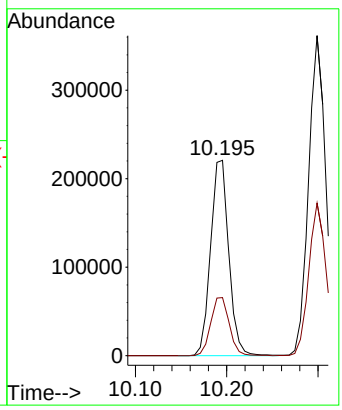




#67
Ethyl Benzene
Concen: 18.456 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 91 Resp: 30496

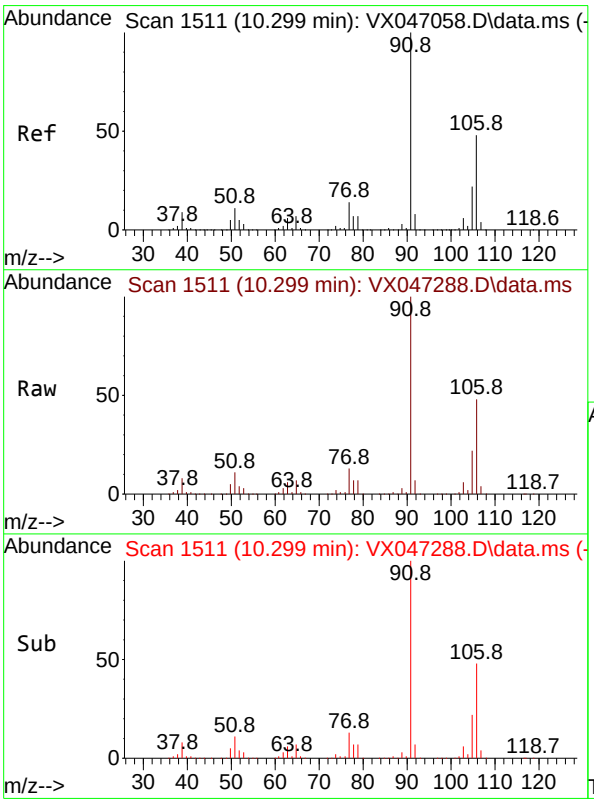
Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

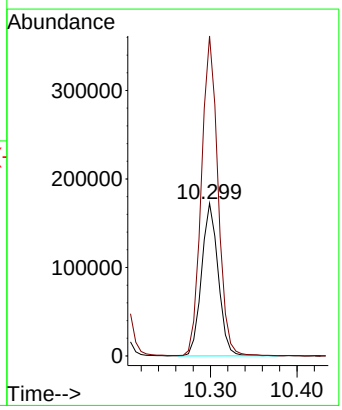
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

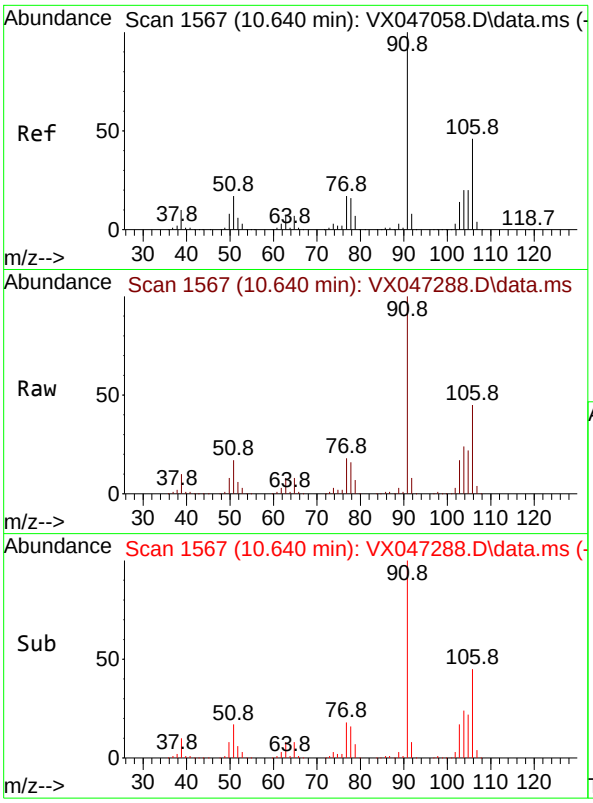


#68
m/p-Xylenes
Concen: 37.187 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:106 Resp: 229943

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.4	251.0

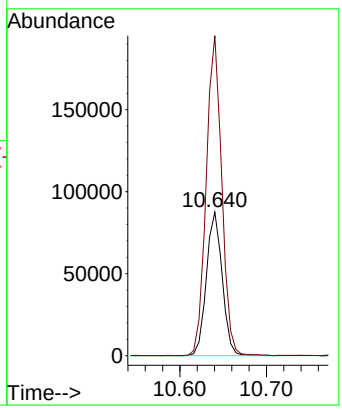




#69
o-Xylene
Concen: 18.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:106 Resp: 11087

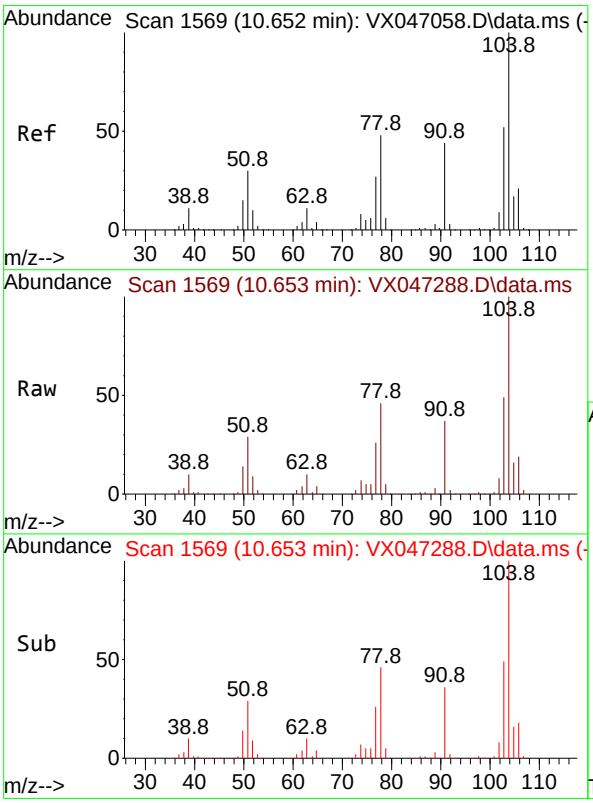
Ion	Ratio	Lower	Upper
106	100		
91	220.0	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

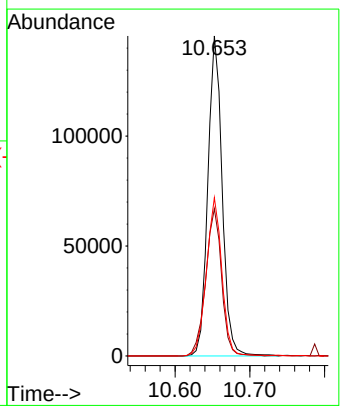
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

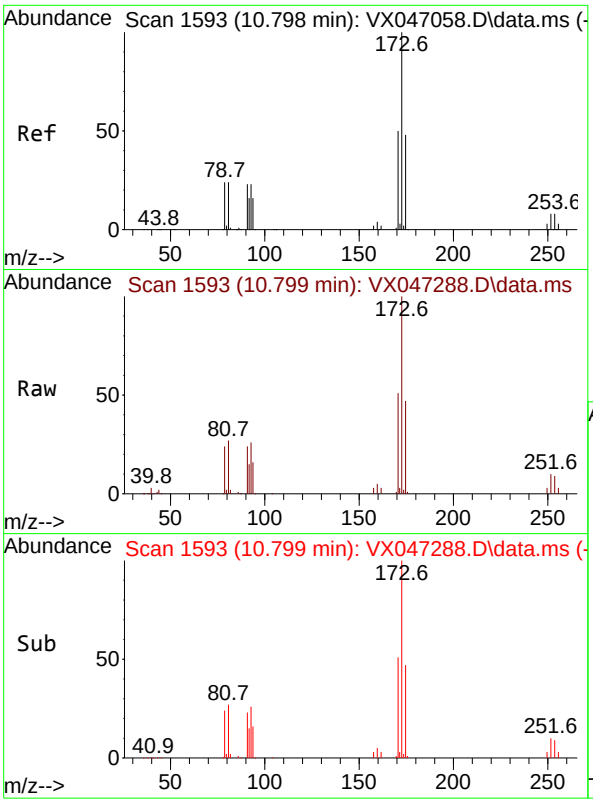


#70
Styrene
Concen: 19.207 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:104 Resp: 193735

Ion	Ratio	Lower	Upper
104	100		
78	51.0	42.0	63.0
103	53.5	43.8	65.6

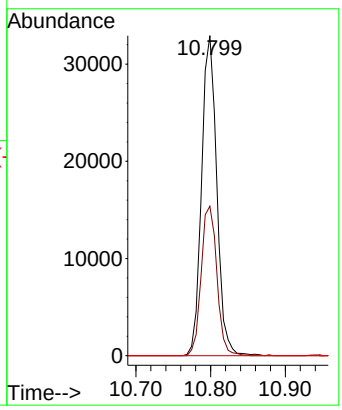




#71
Bromoform
Concen: 19.229 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

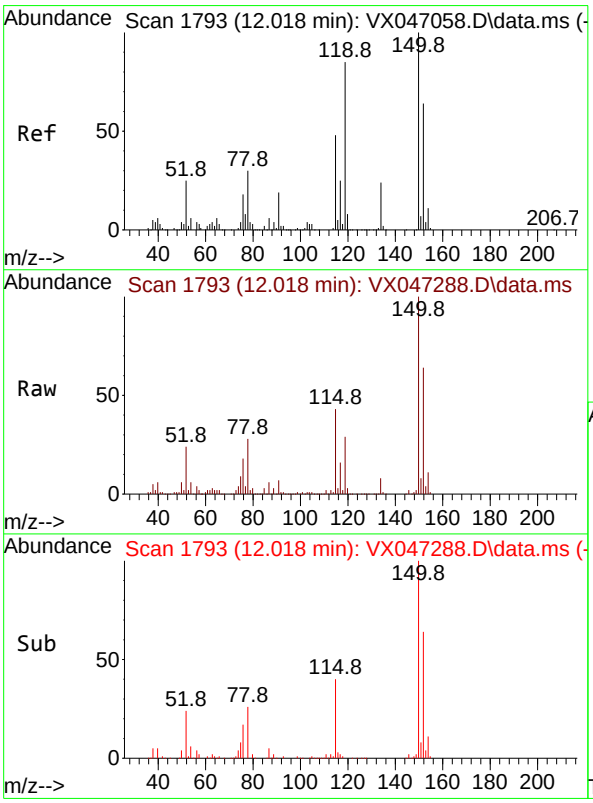
Tgt Ion:173 Resp: 4647

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.2	72.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

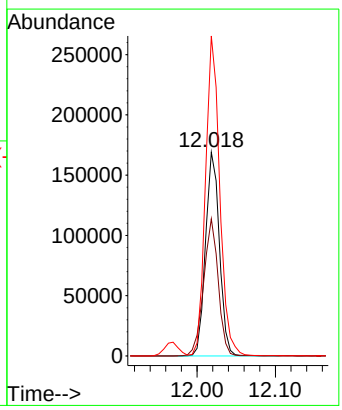
Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

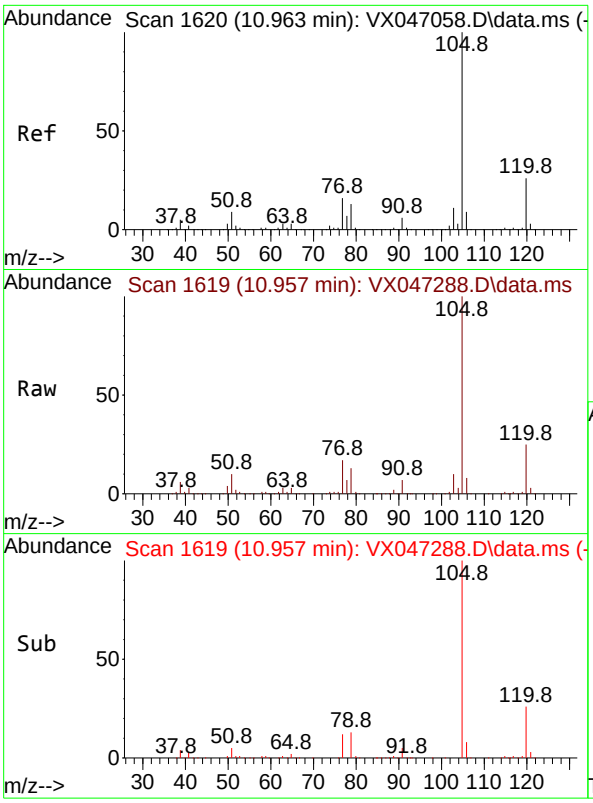


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:152 Resp: 207271

Ion	Ratio	Lower	Upper
152	100		
115	71.1	45.6	136.7
150	161.1	0.0	354.6

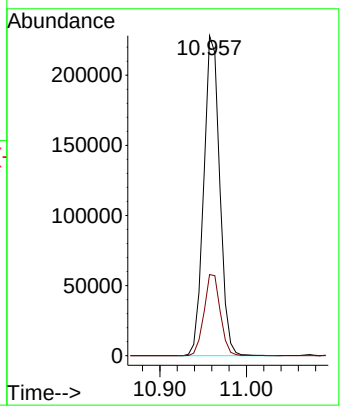




#73
Isopropylbenzene
Concen: 17.859 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:105 Resp: 29203

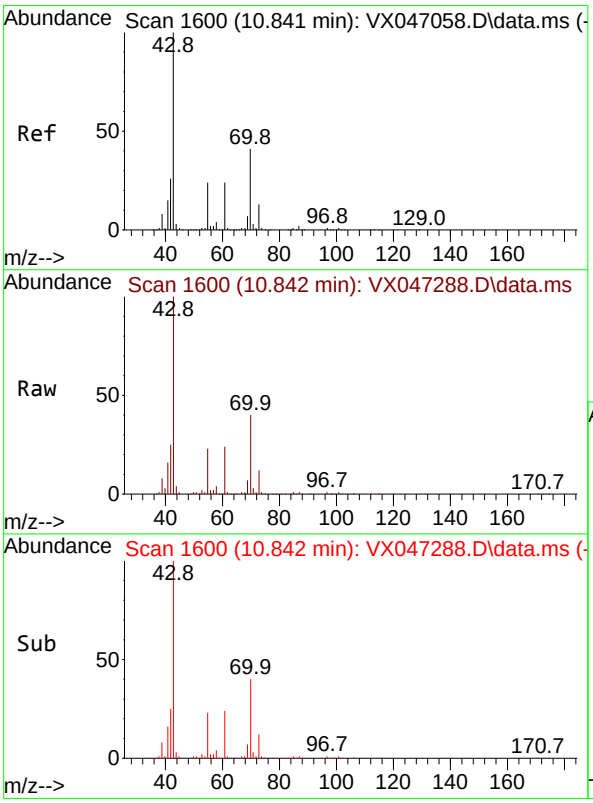
Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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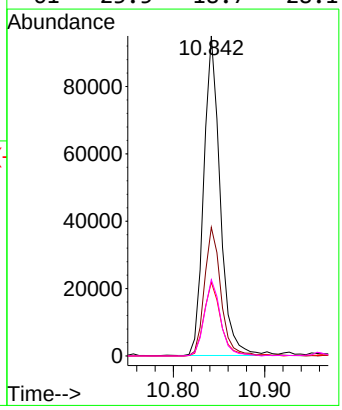
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

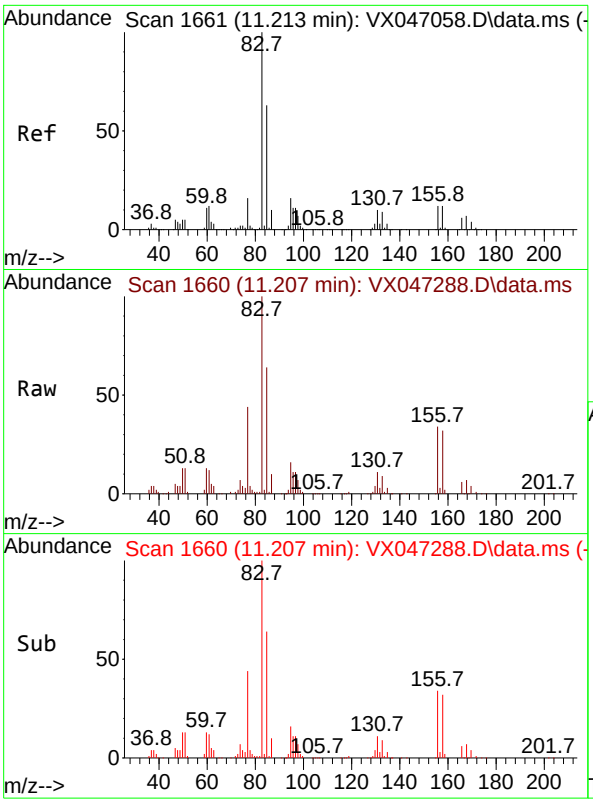


#74
N-amyl acetate
Concen: 17.938 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 43 Resp: 118356

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.3	48.5
55	23.7	18.9	28.3
61	23.5	18.7	28.1

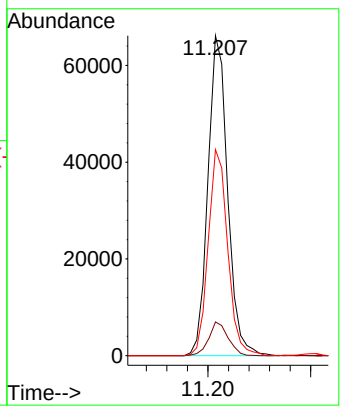




#75
1,1,2,2-Tetrachloroethane
Concen: 18.801 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 83 Resp: 8781

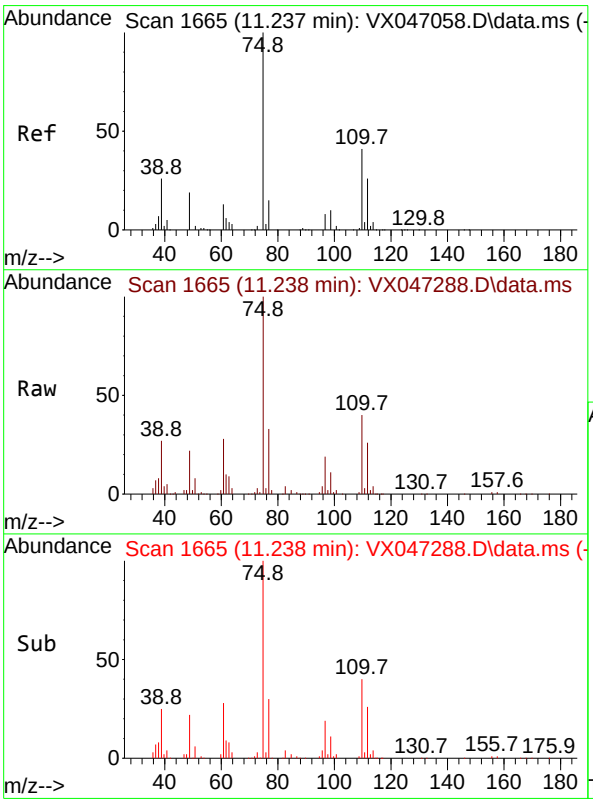
Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	63.7	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

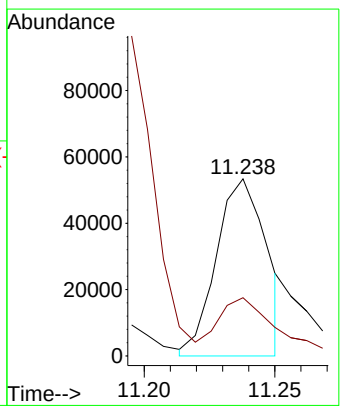
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

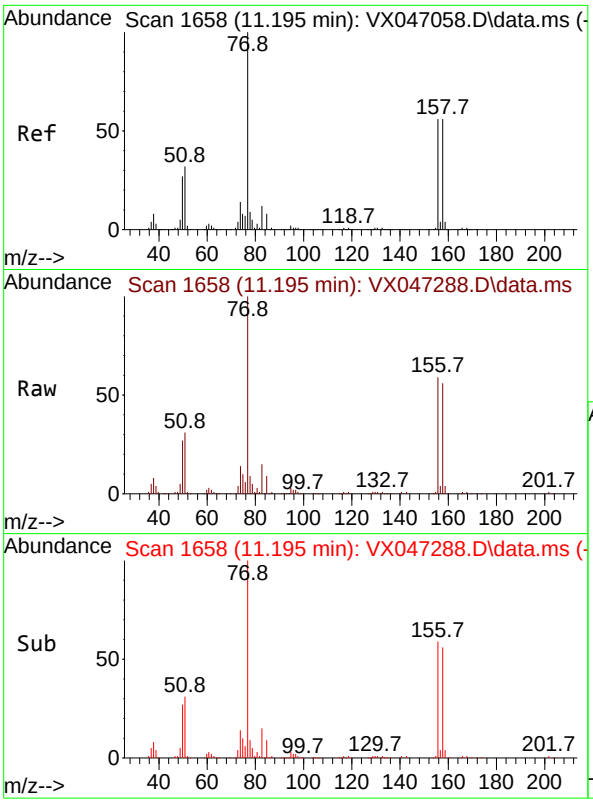


#76
1,2,3-Trichloropropane
Concen: 18.568 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 75 Resp: 71234

Ion	Ratio	Lower	Upper
75	100		
77	38.8	21.6	65.0

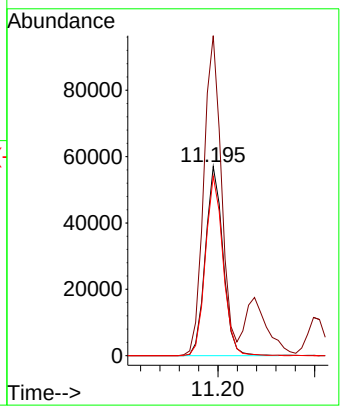




#77
Bromobenzene
Concen: 18.322 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:156 Resp: 7186

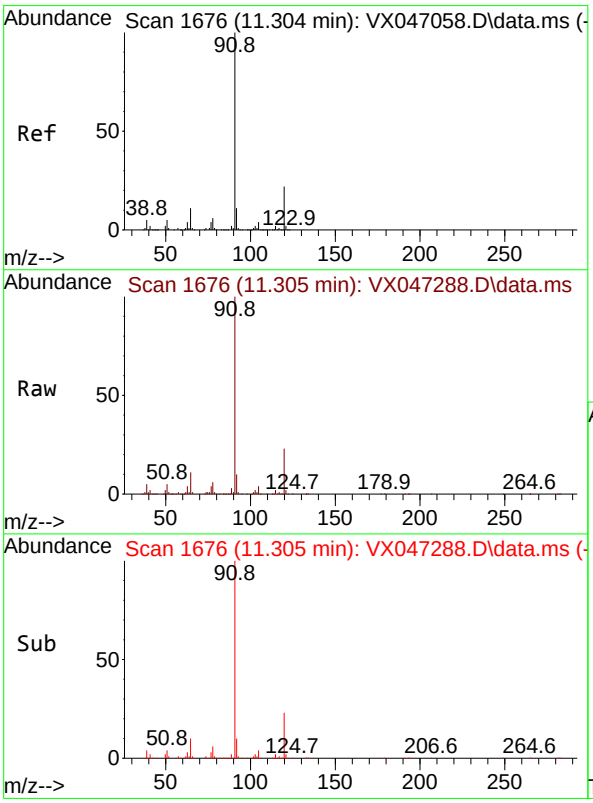
Ion	Ratio	Lower	Upper
156	100		
77	170.7	87.3	261.9
158	95.4	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

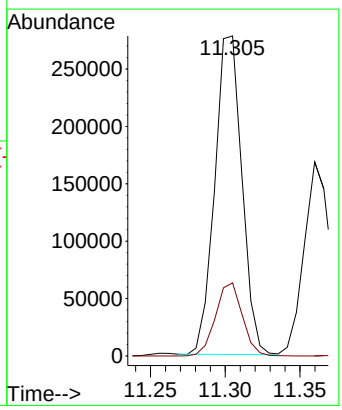
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

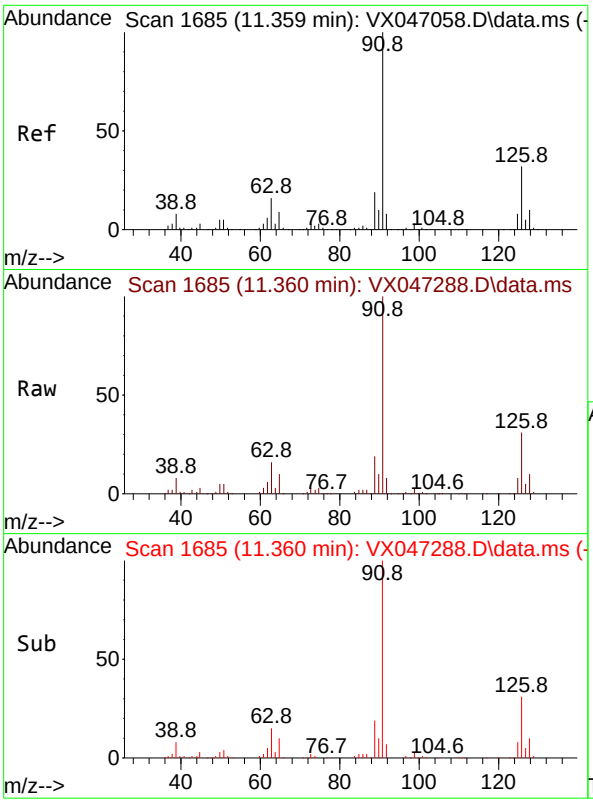


#78
n-propylbenzene
Concen: 17.953 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 91 Resp: 350815

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0





#79
2-Chlorotoluene
Concen: 17.740 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

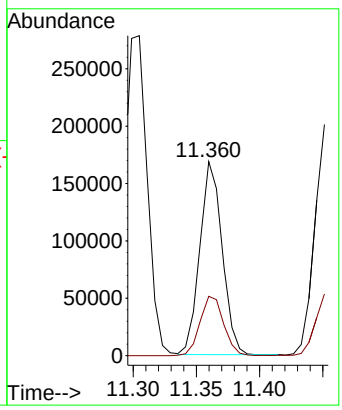
Tgt Ion: 91 Resp: 20722

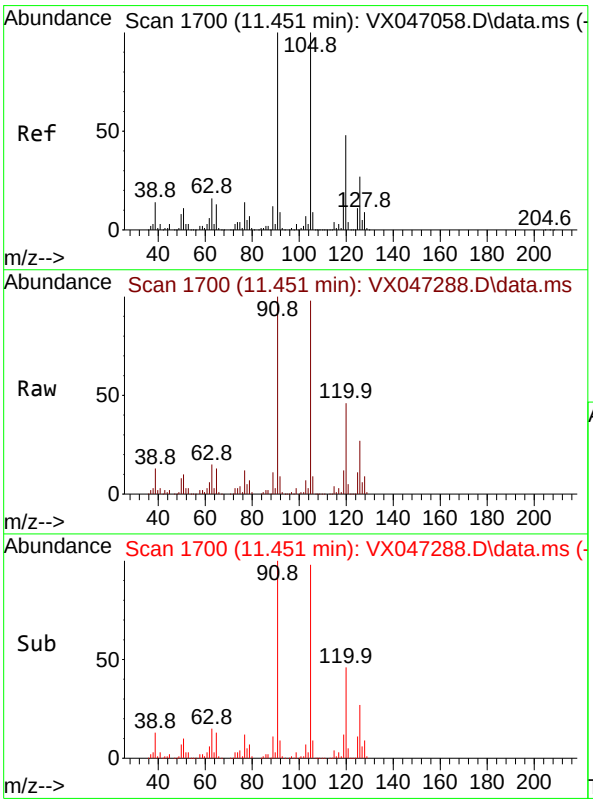
Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

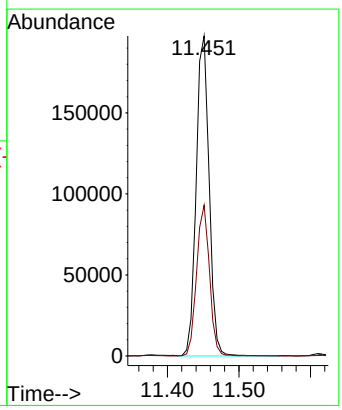


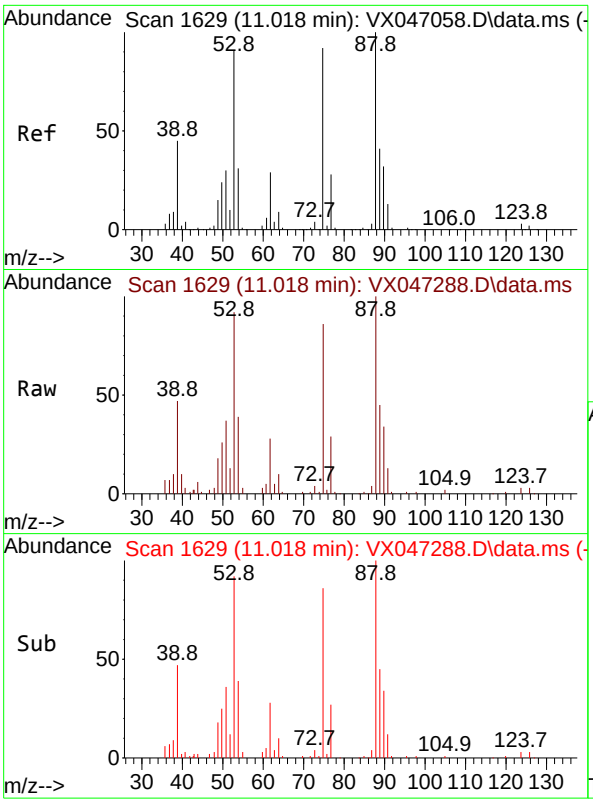


#80
1,3,5-Trimethylbenzene
Concen: 18.334 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:105 Resp: 247687

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.5

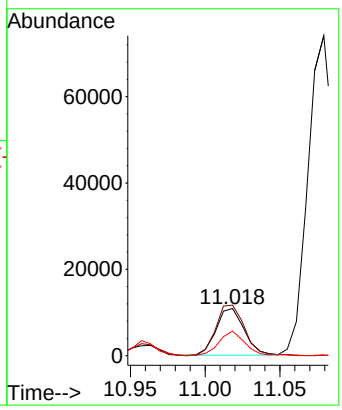




#81
trans-1,4-Dichloro-2-butene
Concen: 9.556 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

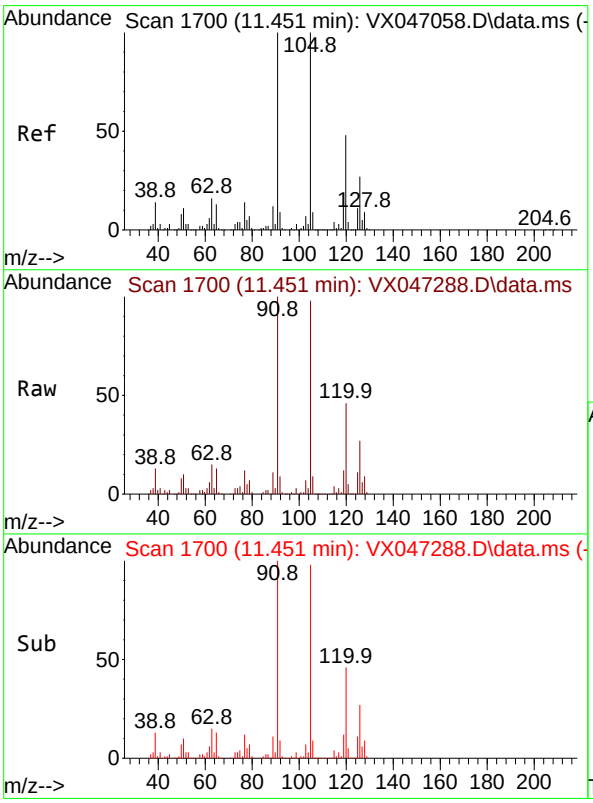
Tgt Ion: 75 Resp: 1423

Ion	Ratio	Lower	Upper
75	100		
53	111.1	84.2	126.4
89	49.1	36.0	54.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

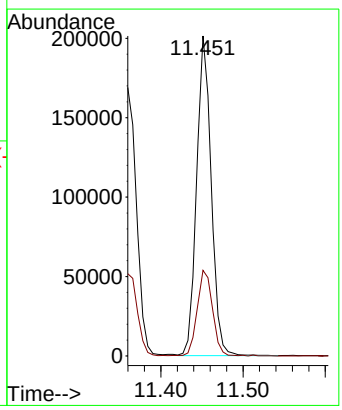
Manual Integrations
APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

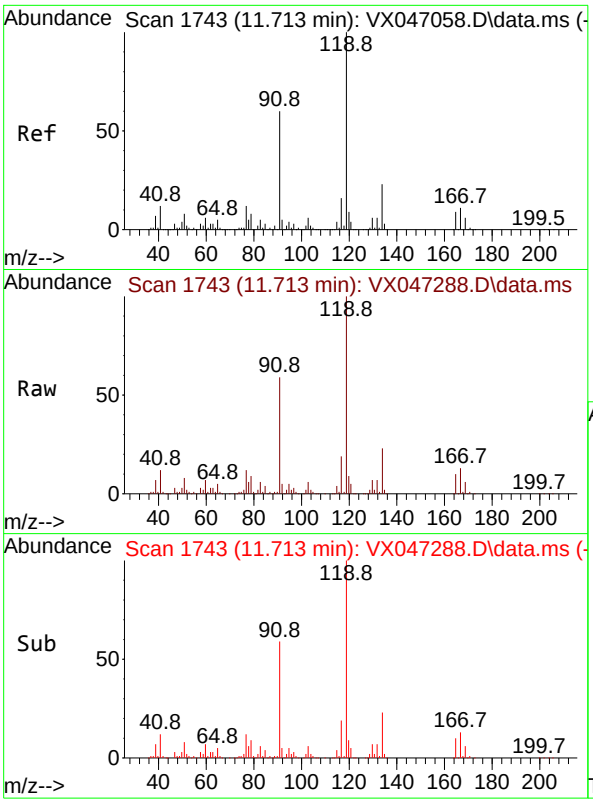


#82
4-Chlorotoluene
Concen: 18.162 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 91 Resp: 247627

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.3

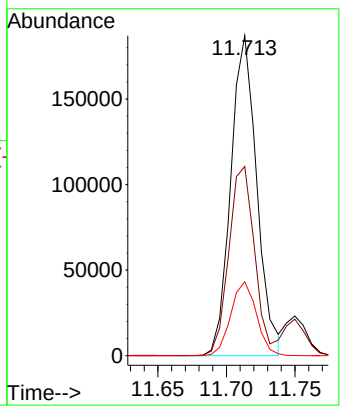




#83
tert-Butylbenzene
Concen: 18.237 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:119 Resp: 24728

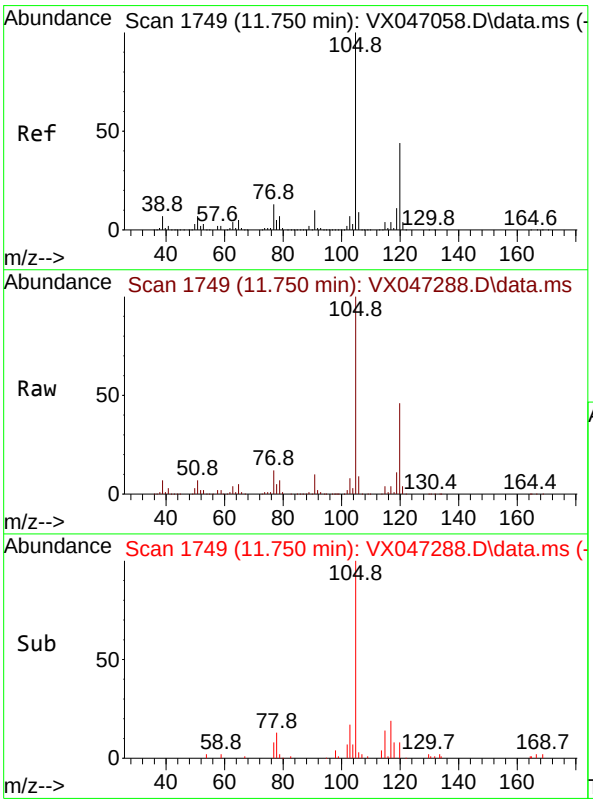
Ion	Ratio	Lower	Upper
119	100		
91	57.9	29.6	88.8
134	22.8	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

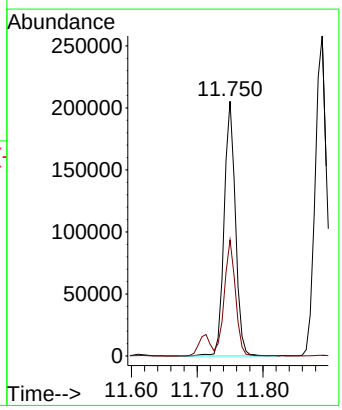
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

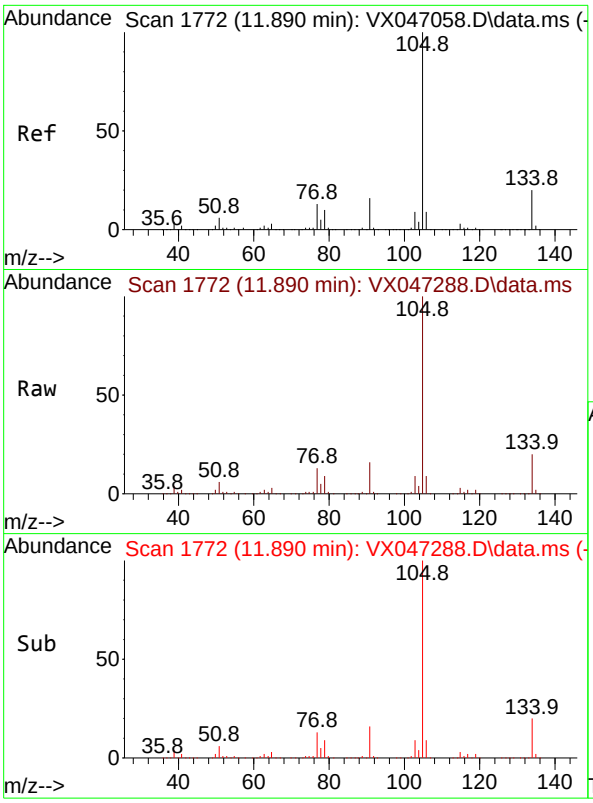


#84
1,2,4-Trimethylbenzene
Concen: 18.178 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:105 Resp: 244944

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.0	66.0





#85
sec-Butylbenzene
Concen: 18.501 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

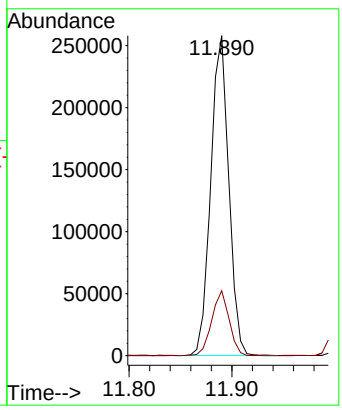
Tgt Ion:105 Resp: 31344

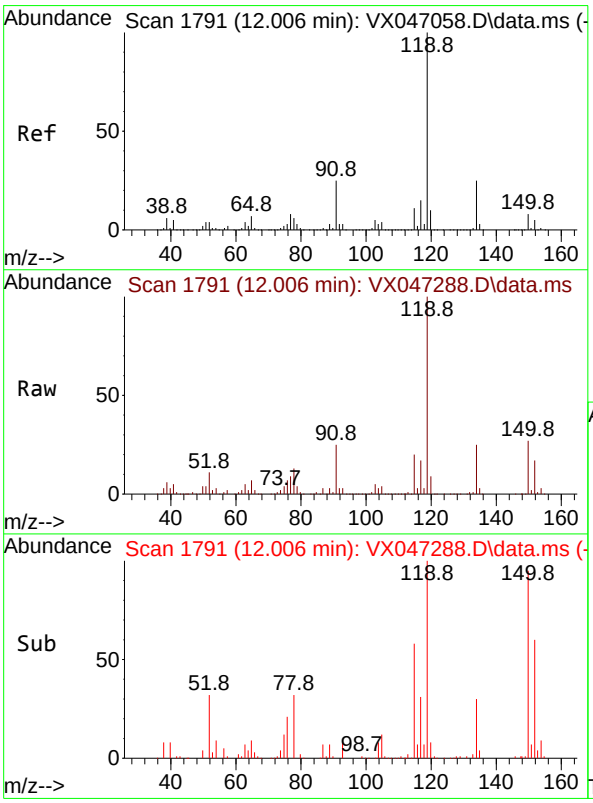
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.9	29.7

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

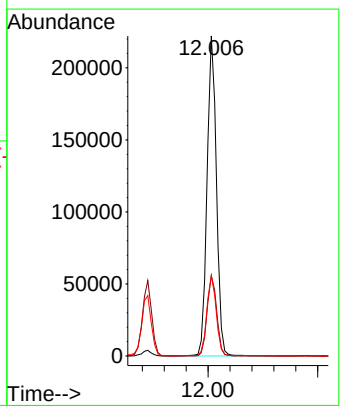


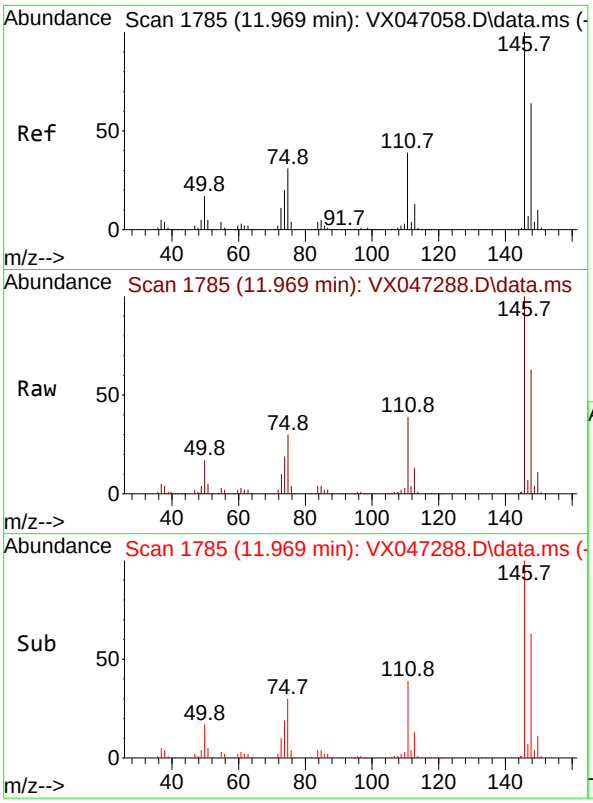


#86
p-Isopropyltoluene
Concen: 18.674 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:119 Resp: 262367

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	25.1	12.4	37.4

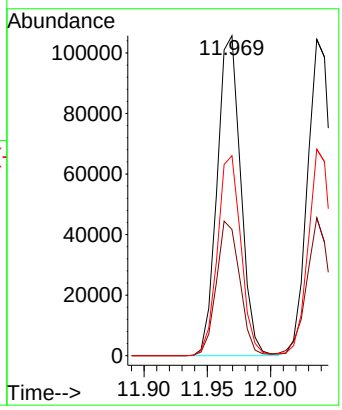




#87
1,3-Dichlorobenzene
Concen: 18.368 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:146 Resp: 13688

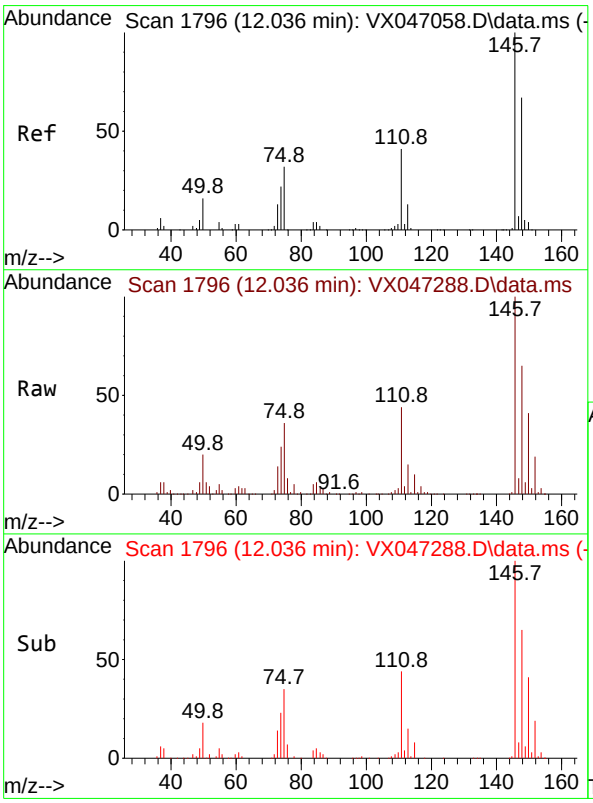
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.0	63.0
148	62.3	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations APPROVED

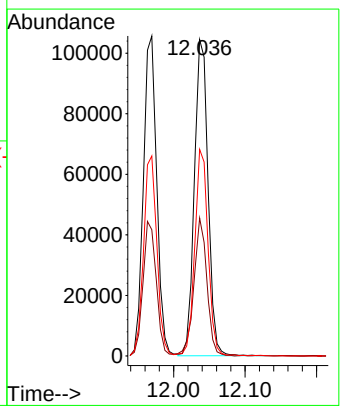
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

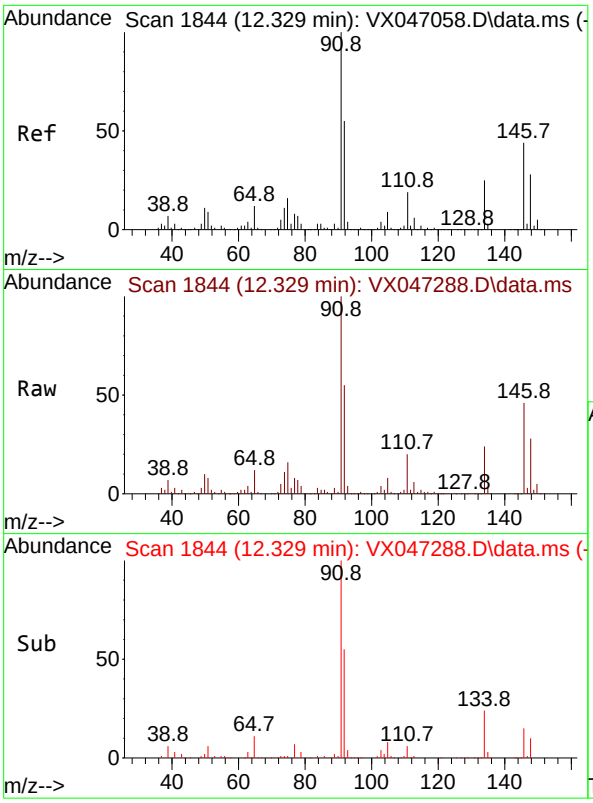


#88
1,4-Dichlorobenzene
Concen: 18.332 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:146 Resp: 138415

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.6	61.9
148	63.3	33.0	98.9





#89
n-Butylbenzene
Concen: 18.620 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

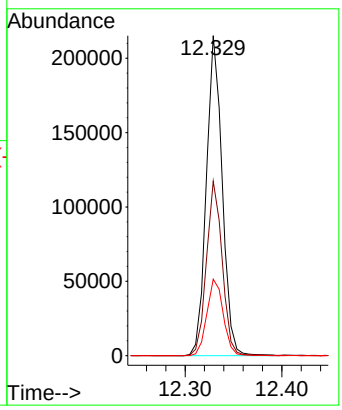
Tgt Ion: 91 Resp: 24533

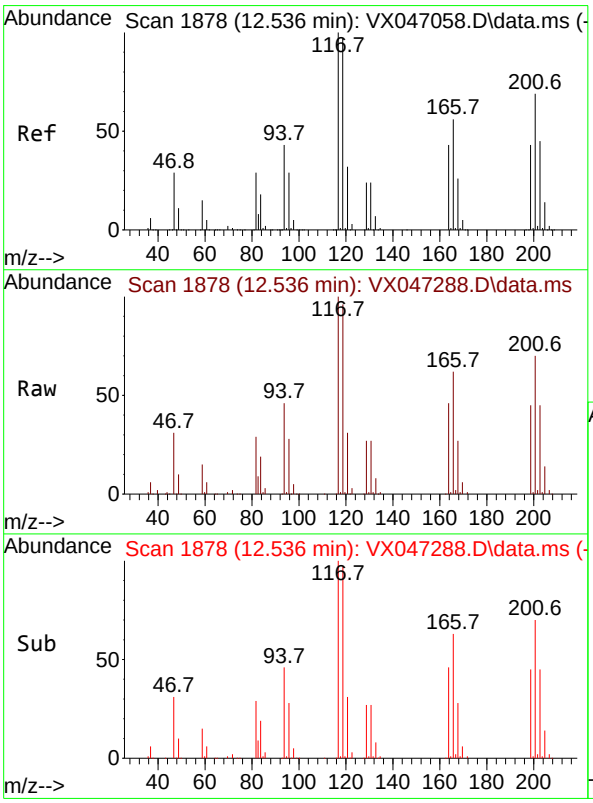
Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.5	82.5
134	24.8	12.8	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

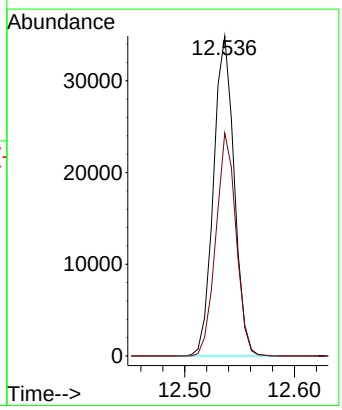


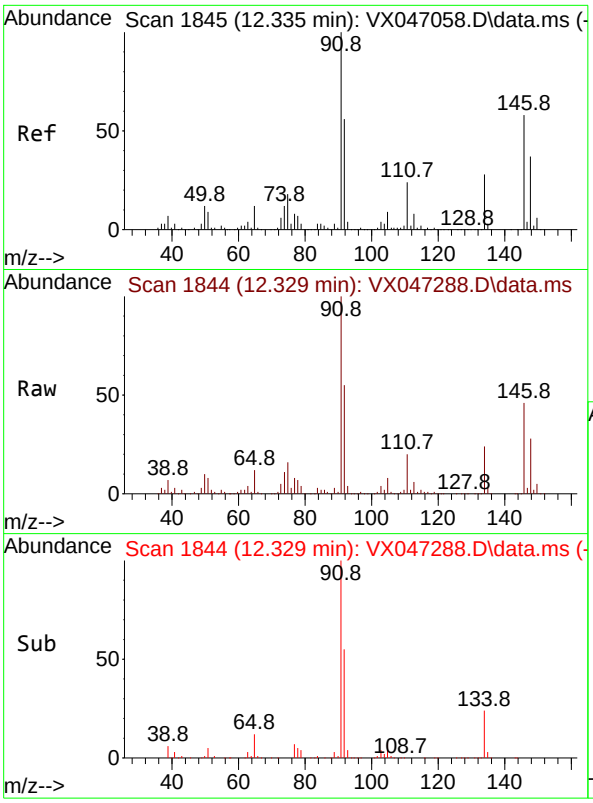


#90
Hexachloroethane
Concen: 18.151 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:117 Resp: 45620

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.8	104.5

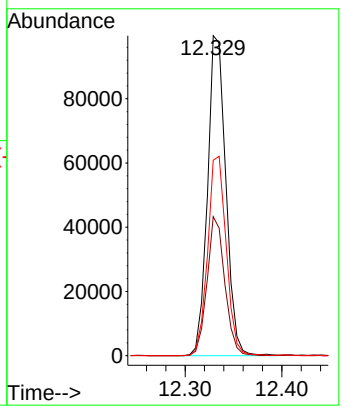




#91
1,2-Dichlorobenzene
Concen: 18.424 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:146 Resp: 13122

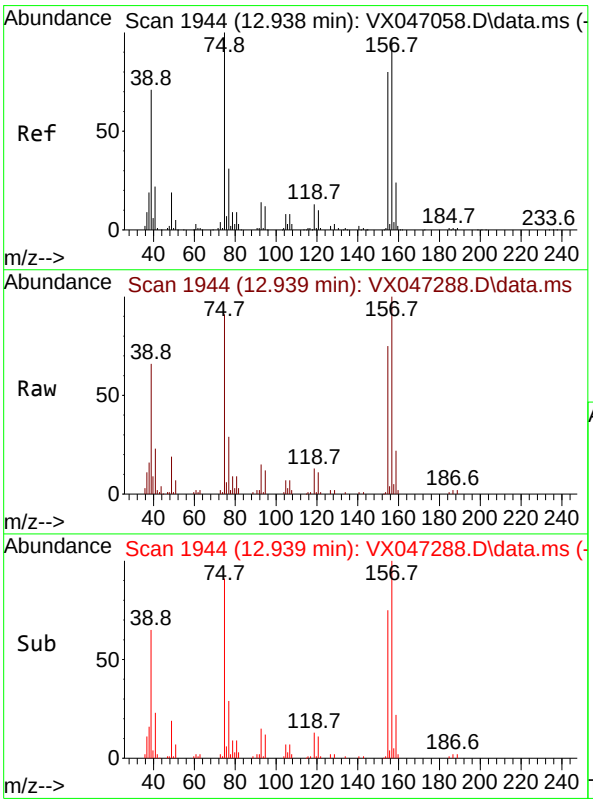
Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.6	64.6
148	63.3	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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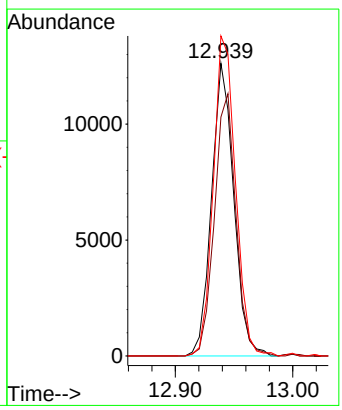
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

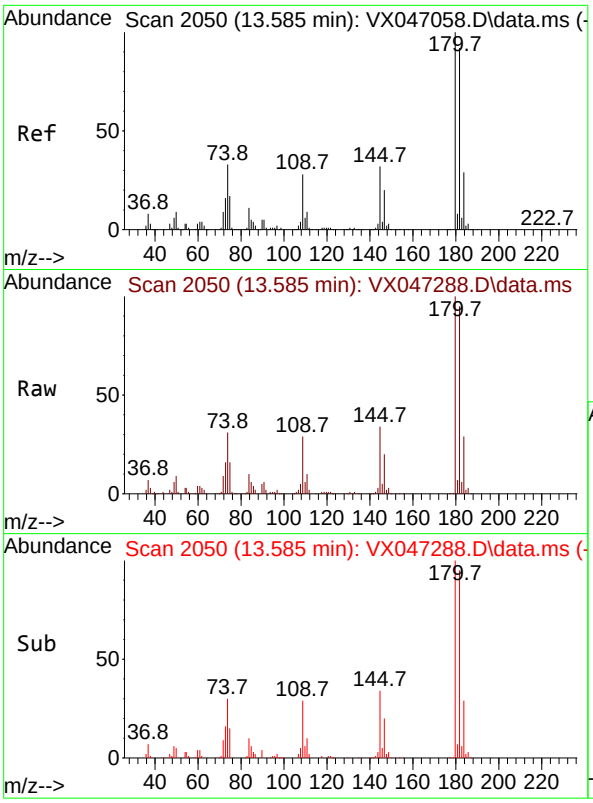


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.519 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 75 Resp: 16604

Ion	Ratio	Lower	Upper
75	100		
155	87.3	41.3	124.1
157	109.2	52.8	158.3

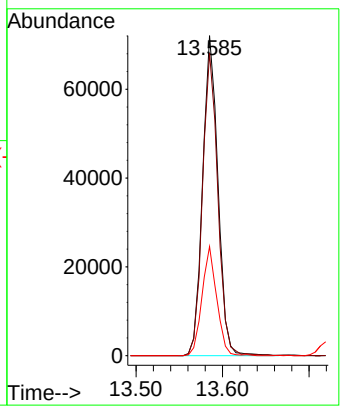




#93
1,2,4-Trichlorobenzene
Concen: 18.808 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:180 Resp: 8850

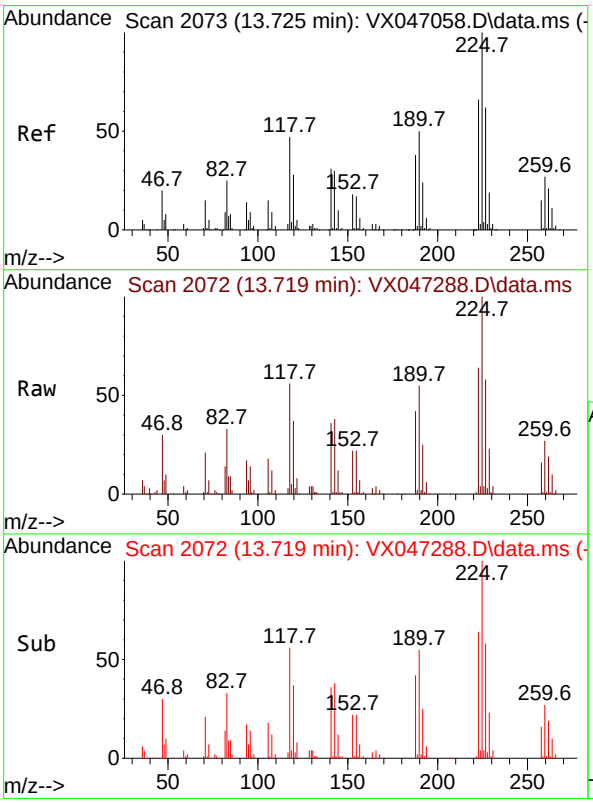
Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.8
145	32.8	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations APPROVED

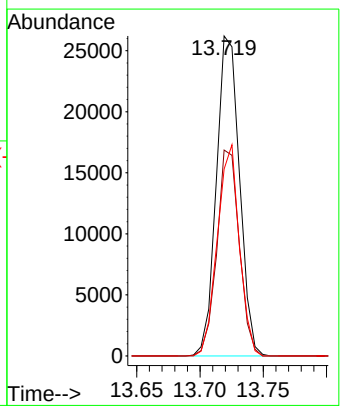
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

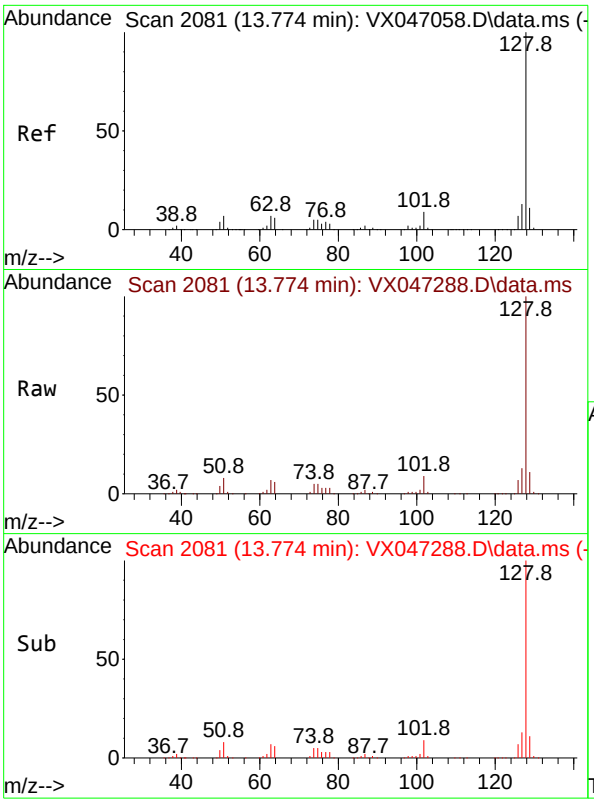


#94
Hexachlorobutadiene
Concen: 20.797 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:225 Resp: 33284

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	95.0
227	62.6	32.9	98.6

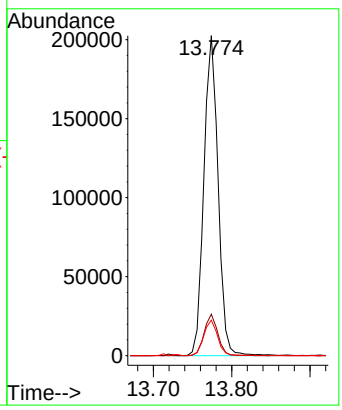




#95
Naphthalene
Concen: 18.431 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:128 Resp: 25427

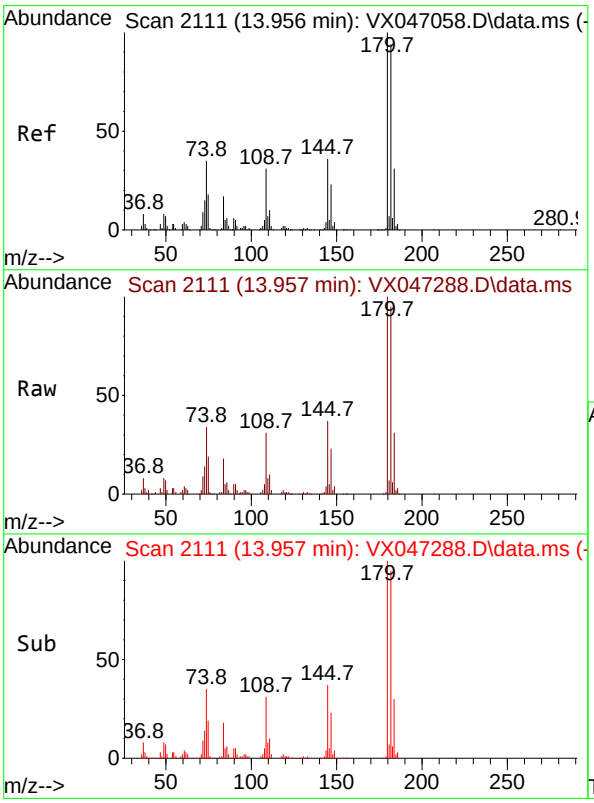
Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Manual Integrations
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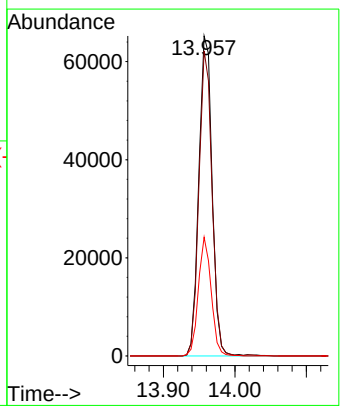
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.580 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:180 Resp: 84235

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.6
145	35.8	17.3	52.0



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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0813WBS01	SDG No.:	Q2814
Lab Sample ID:	VX0813WBS01	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
VX047312.D	1	08/13/25 11:24	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	18.9		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	19.3		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	20.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	19.2		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	19.2		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	18.7		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.0		0.23	0.75	1.00	ug/L
67-64-1	Acetone	110		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.9		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	22.2		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	25.3		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	22.0		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.5		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	17.8		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.2		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	20.9		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	23.8		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	21.5		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.4		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	16.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	20.7		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	22.0		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.6		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	21.2		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	20.6		0.14	0.50	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:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0813WBS01	SDG No.:	Q2814
Lab Sample ID:	VX0813WBS01	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
VX047312.D	1	08/13/25 11:24	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.7		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.4		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.2		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	120		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	21.8		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.0		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	20.1		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.6		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	40.4		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	20.1		0.12	0.50	1.00	ug/L
100-42-5	Styrene	20.7		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	21.1		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.9		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.0		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.9		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.1		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.4		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.6		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	54.7		81 - 118		109%	SPK: 50
1868-53-7	Dibromofluoromethane	55.7		80 - 119		111%	SPK: 50
2037-26-5	Toluene-d8	48.4		89 - 112		97%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.4		85 - 114		109%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	201000	5.568				
540-36-3	1,4-Difluorobenzene	351000	6.769				
3114-55-4	Chlorobenzene-d5	321000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	166000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0813WBS01	SDG No.:	Q2814
Lab Sample ID:	VX0813WBS01	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
VX047312.D	1	08/13/25 11:24	VX081325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081325\
Data File : VX047312.D
Acq On : 13 Aug 2025 11:24
Operator : JC/MD
Sample : VX0813WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 03:25:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	201153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	351465	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	166290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	137106	54.717	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.440%			
35) Dibromofluoromethane	5.397	113	120946	55.734	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.460%			
50) Toluene-d8	8.653	98	340158	48.402	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.800%			
62) 4-Bromofluorobenzene	11.079	95	164675	54.374	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	50552	18.920	ug/l	99
3) Chloromethane	1.313	50	50910	19.263	ug/l	99
4) Vinyl Chloride	1.392	62	58156	20.470	ug/l	99
5) Bromomethane	1.630	94	29650	19.212	ug/l	96
6) Chloroethane	1.709	64	35844	19.210	ug/l	97
7) Trichlorofluoromethane	1.904	101	82128	19.387	ug/l	99
8) Diethyl Ether	2.148	74	32810	21.966	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	47828	18.739	ug/l	98
10) Methyl Iodide	2.471	142	77812	29.914	ug/l	98
11) Tert butyl alcohol	2.965	59	29334	93.714	ug/l	99
12) 1,1-Dichloroethene	2.337	96	50671	20.045	ug/l	95
13) Acrolein	2.252	56	75081	139.160	ug/l	99
14) Allyl chloride	2.678	41	90565	19.819	ug/l	99
15) Acrylonitrile	3.081	53	134855	112.844	ug/l	100
16) Acetone	2.392	43	109769	109.353	ug/l	99
17) Carbon Disulfide	2.532	76	138145	18.890	ug/l	99
18) Methyl Acetate	2.721	43	67472	25.293	ug/l	98
19) Methyl tert-butyl Ether	3.130	73	170912	22.215	ug/l	99
20) Methylene Chloride	2.806	84	60670	21.969	ug/l	96
21) trans-1,2-Dichloroethene	3.111	96	53110	20.531	ug/l	93
22) Diisopropyl ether	3.776	45	189542	21.575	ug/l	93
23) Vinyl Acetate	3.733	43	777071	110.278	ug/l	100
24) 1,1-Dichloroethane	3.630	63	103292	21.143	ug/l	98
25) 2-Butanone	4.574	43	155750	106.560	ug/l	93
26) 2,2-Dichloropropane	4.495	77	73431	19.417	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	64021	20.900	ug/l	99
28) Bromochloromethane	4.910	49	53405	23.761	ug/l	99
29) Tetrahydrofuran	5.026	42	97737	103.638	ug/l	96
30) Chloroform	5.105	83	106952	21.507	ug/l	98
31) Cyclohexane	5.489	56	83355	17.795	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	87950	20.362	ug/l	99
36) 1,1-Dichloropropene	5.708	75	68123	18.416	ug/l	97
37) Ethyl Acetate	4.727	43	79295	23.264	ug/l	97
38) Carbon Tetrachloride	5.690	117	75937	19.234	ug/l	97
39) Methylcyclohexane	7.385	83	77955	16.879	ug/l	95
40) Benzene	6.050	78	221589	20.699	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047312.D
Acq On : 13 Aug 2025 11:24
Operator : JC/MD
Sample : VX0813WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 03:25:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	36004	20.202	ug/l	#	90
42) 1,2-Dichloroethane	6.099	62	83097	22.036	ug/l		99
43) Isopropyl Acetate	6.349	43	115740	21.781	ug/l		99
44) Trichloroethene	7.129	130	53800	19.598	ug/l		99
45) 1,2-Dichloropropane	7.434	63	55625	20.747	ug/l		93
46) Dibromomethane	7.586	93	41993	22.334	ug/l		99
47) Bromodichloromethane	7.824	83	84762	21.180	ug/l		96
48) Methyl methacrylate	7.702	41	59981	20.720	ug/l		99
49) 1,4-Dioxane	7.684	88	12726	386.524	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	356346	112.824	ug/l		99
52) Toluene	8.720	92	135372	20.566	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	74453	19.701	ug/l		94
54) cis-1,3-Dichloropropene	8.373	75	84401	20.406	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	54901	22.240	ug/l		97
56) Ethyl methacrylate	9.122	69	80865	22.128	ug/l		98
57) 1,3-Dichloropropane	9.311	76	93007	21.679	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.245	63	199555	98.129	ug/l		100
59) 2-Hexanone	9.433	43	247091	118.411	ug/l		99
60) Dibromochloromethane	9.519	129	63101	21.795	ug/l		100
61) 1,2-Dibromoethane	9.610	107	56802	22.006	ug/l		99
64) Tetrachloroethene	9.275	164	44694	19.291	ug/l		94
65) Chlorobenzene	10.080	112	151282	20.093	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	52881	20.861	ug/l		98
67) Ethyl Benzene	10.195	91	258375	19.627	ug/l		99
68) m/p-Xylenes	10.299	106	198849	40.364	ug/l		98
69) o-Xylene	10.640	106	94390	20.141	ug/l		98
70) Styrene	10.653	104	166666	20.739	ug/l		99
71) Bromoform	10.799	173	40688	21.130	ug/l	#	98
73) Isopropylbenzene	10.964	105	247425	18.860	ug/l		99
74) N-amyl acetate	10.842	43	101822	19.236	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	79675	21.261	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	62793m	20.401	ug/l		
77) Bromobenzene	11.195	156	63857	20.293	ug/l		96
78) n-propylbenzene	11.305	91	294861	18.808	ug/l		100
79) 2-Chlorotoluene	11.360	91	182451	19.469	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	207773	19.170	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	10307	8.627	ug/l		96
82) 4-Chlorotoluene	11.451	91	215901	19.738	ug/l		99
83) tert-Butylbenzene	11.713	119	202063	18.575	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	207952	19.236	ug/l		99
85) sec-Butylbenzene	11.890	105	246647	18.146	ug/l		99
86) p-Isopropyltoluene	12.006	119	209624	18.597	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	119434	19.976	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	120773	19.938	ug/l		98
89) n-Butylbenzene	12.329	91	188398	17.823	ug/l		98
90) Hexachloroethane	12.536	117	35864	17.786	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	113345	19.835	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15204	21.136	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	73212	19.391	ug/l		98
94) Hexachlorobutadiene	13.719	225	21890	17.048	ug/l		97
95) Naphthalene	13.774	128	221152	19.981	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	67706	18.614	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047312.D
Acq On : 13 Aug 2025 11:24
Operator : JC/MD
Sample : VX0813WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 03:25:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

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

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

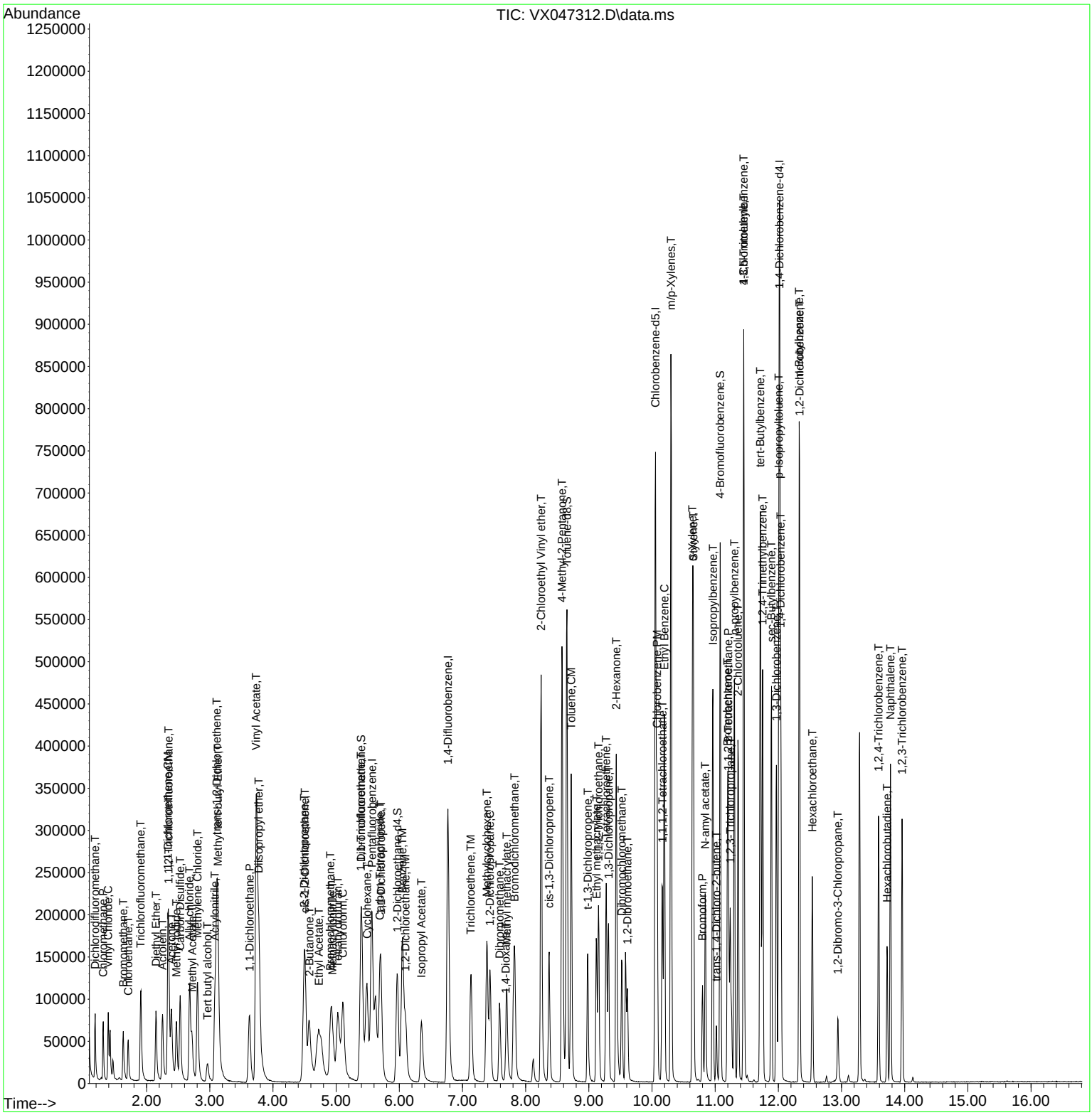
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Data File : VX047312.D
Acq On : 13 Aug 2025 11:24
Operator : JC/MD
Sample : VX0813WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

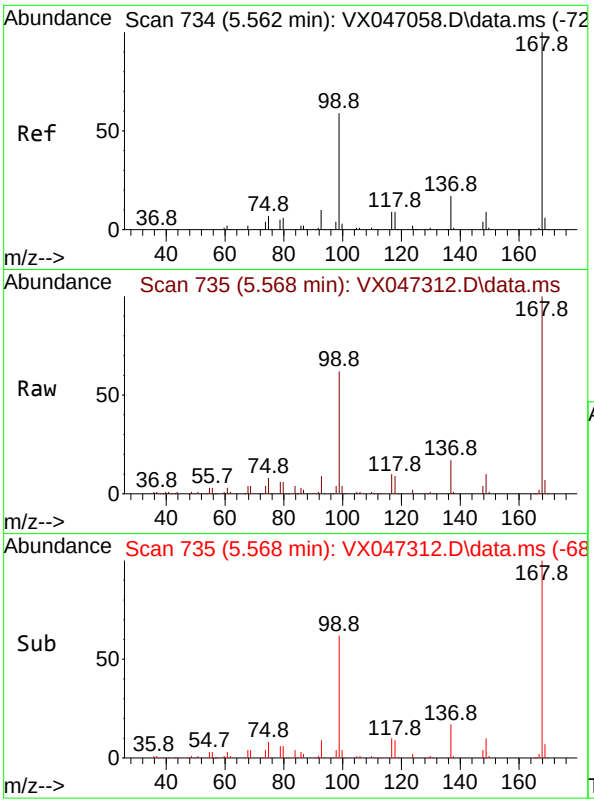
Quant Time: Aug 14 03:25:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

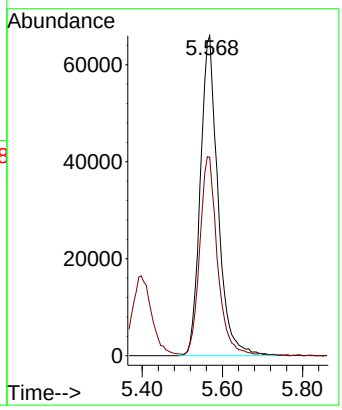




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:168 Resp: 20115

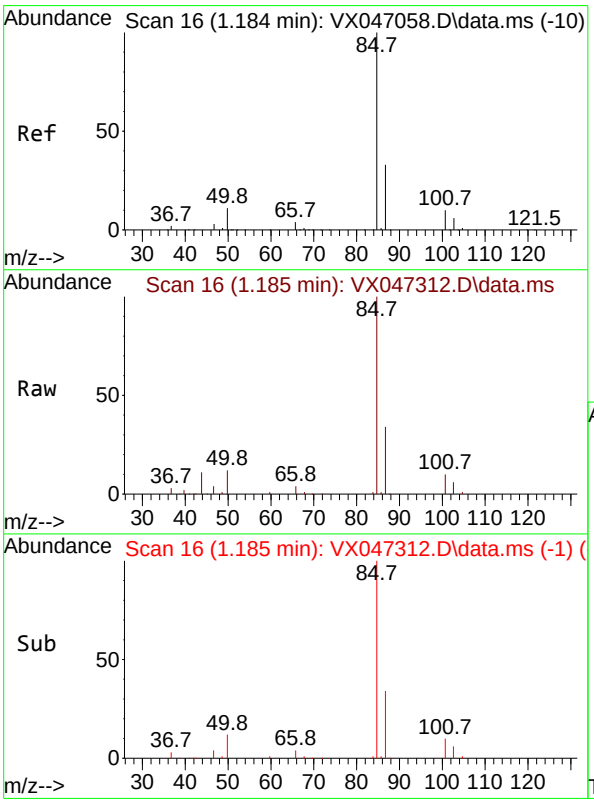
Ion	Ratio	Lower	Upper
168	100		
99	61.7	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

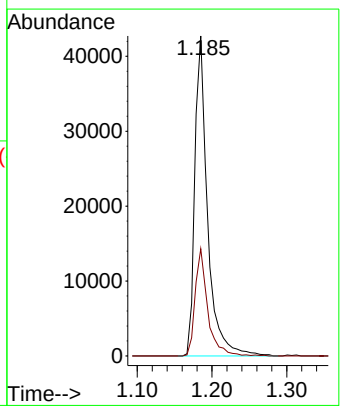
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

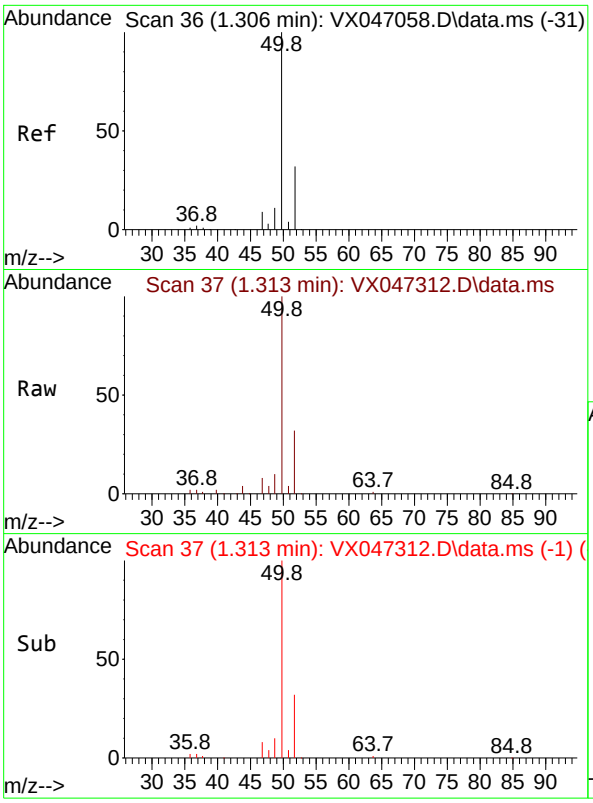


#2
Dichlorodifluoromethane
Concen: 18.920 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 85 Resp: 50552

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.6	49.8

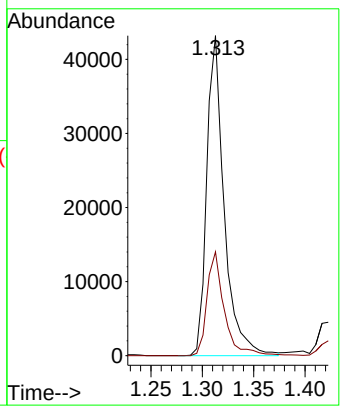




#3
Chloromethane
Concen: 19.263 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 50 Resp: 5091

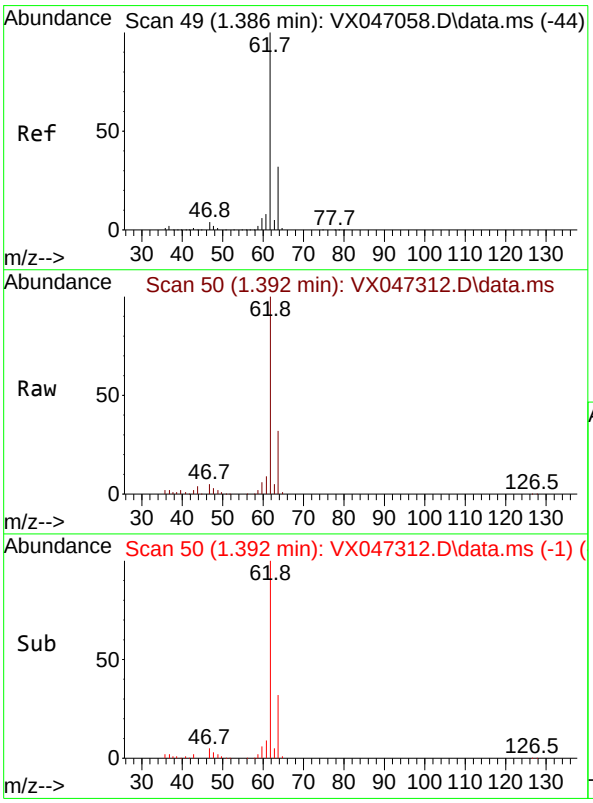
Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

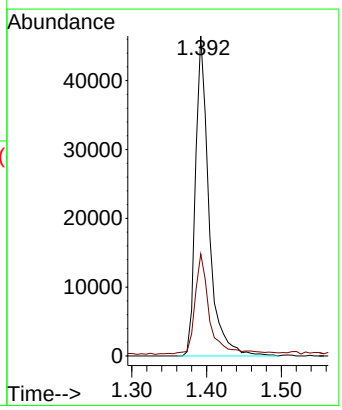
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

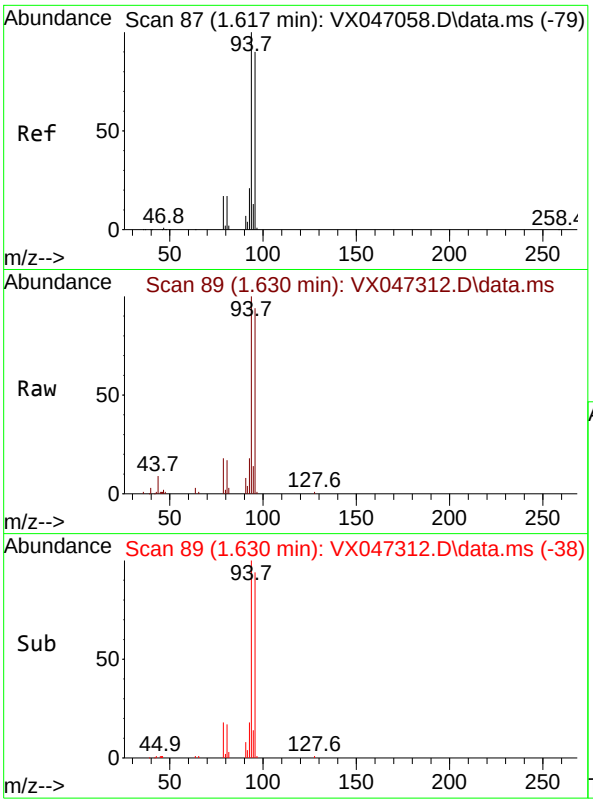


#4
Vinyl Chloride
Concen: 20.470 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 62 Resp: 58156

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.2	37.8

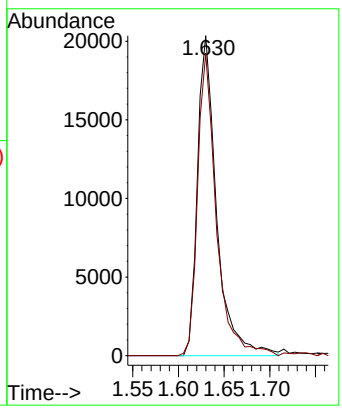




#5
Bromomethane
Concen: 19.212 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.013 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 94 Resp: 2965

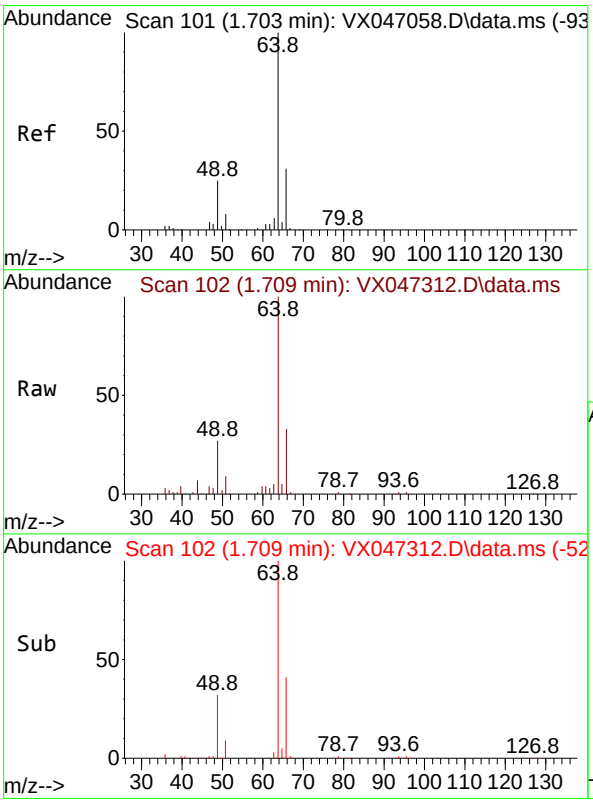
Ion	Ratio	Lower	Upper
94	100		
96	94.5	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

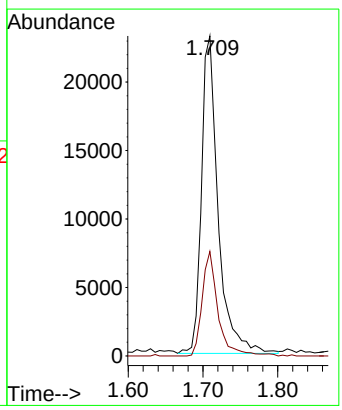
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

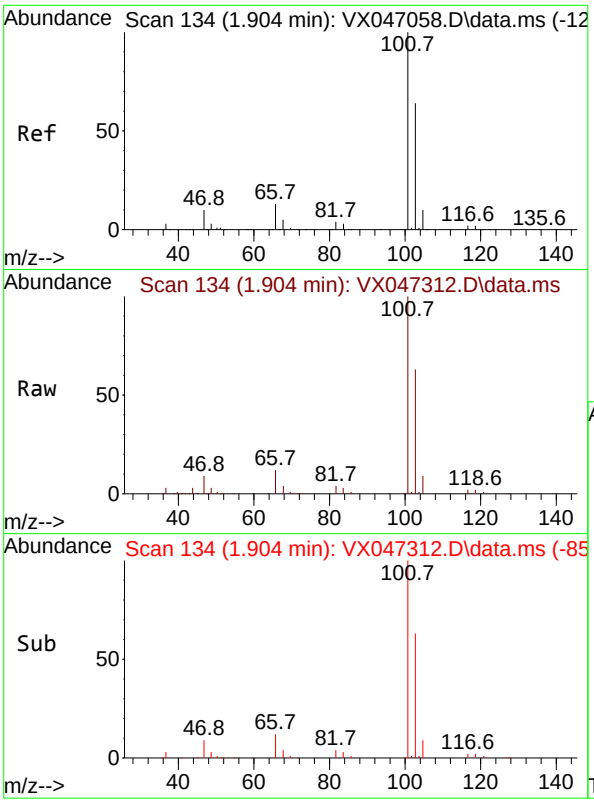


#6
Chloroethane
Concen: 19.210 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 64 Resp: 35844

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.0	37.6

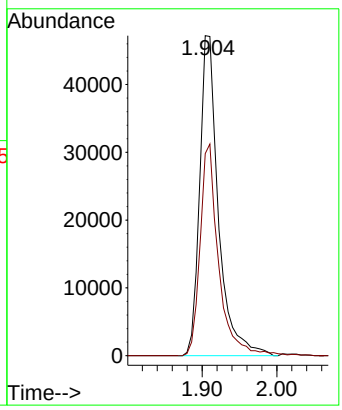




#7
Trichlorofluoromethane
Concen: 19.387 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:101 Resp: 8212

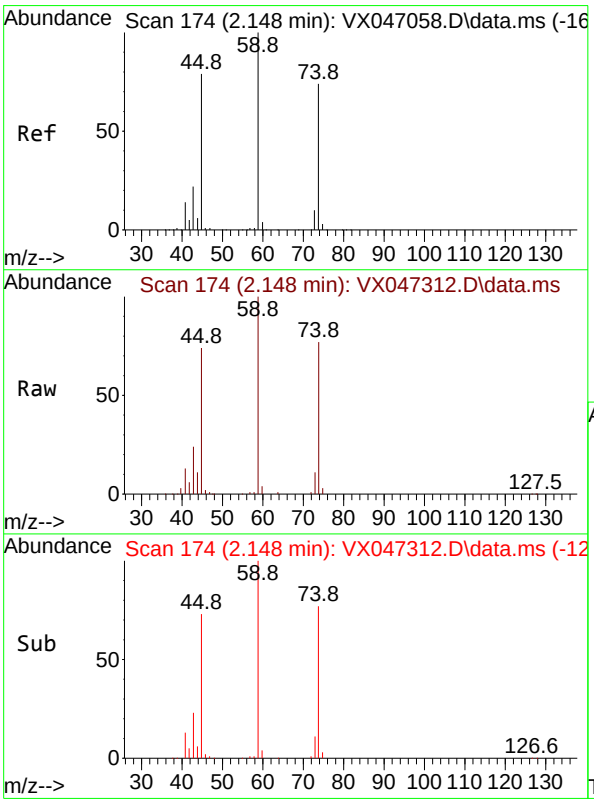
Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations APPROVED

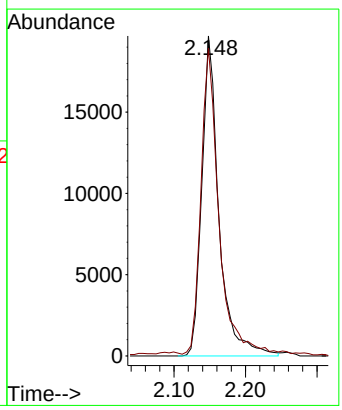
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

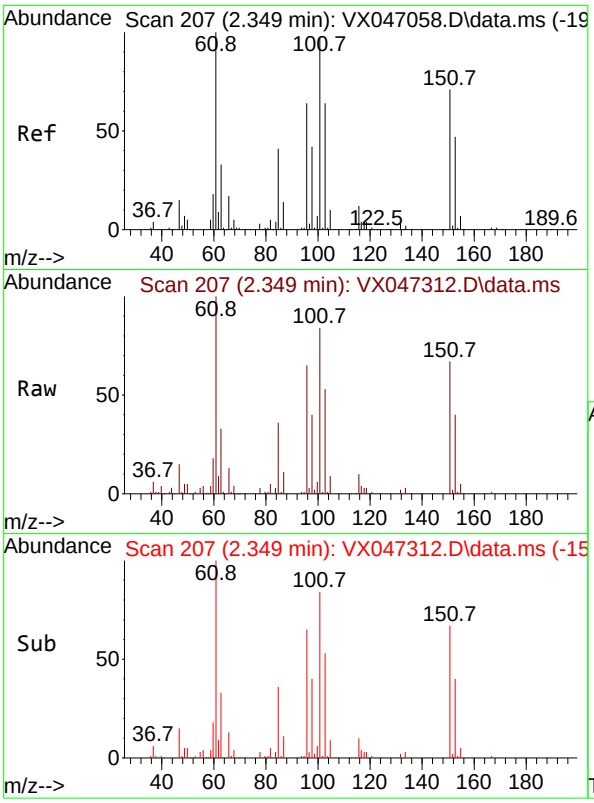


#8
Diethyl Ether
Concen: 21.966 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 74 Resp: 32810

Ion	Ratio	Lower	Upper
74	100		
45	103.7	53.0	159.0

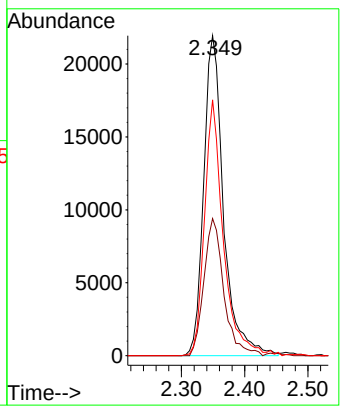




#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.739 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:101 Resp: 4782

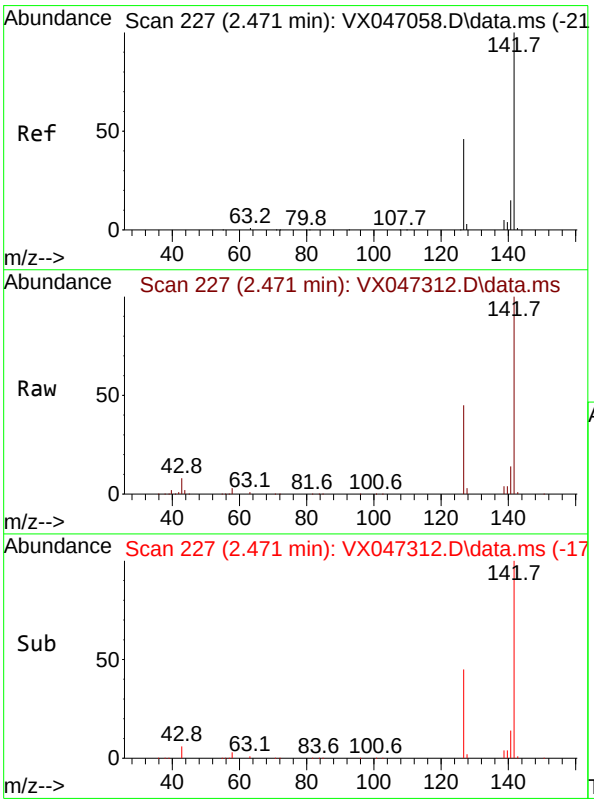
Ion	Ratio	Lower	Upper
101	100		
85	43.0	35.4	53.0
151	75.3	59.2	88.8



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations APPROVED

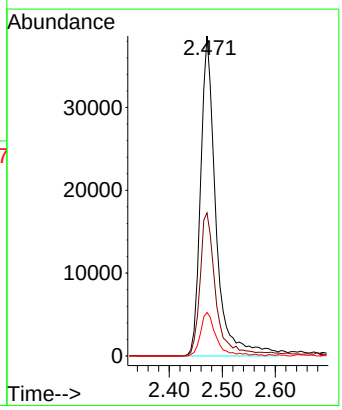
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

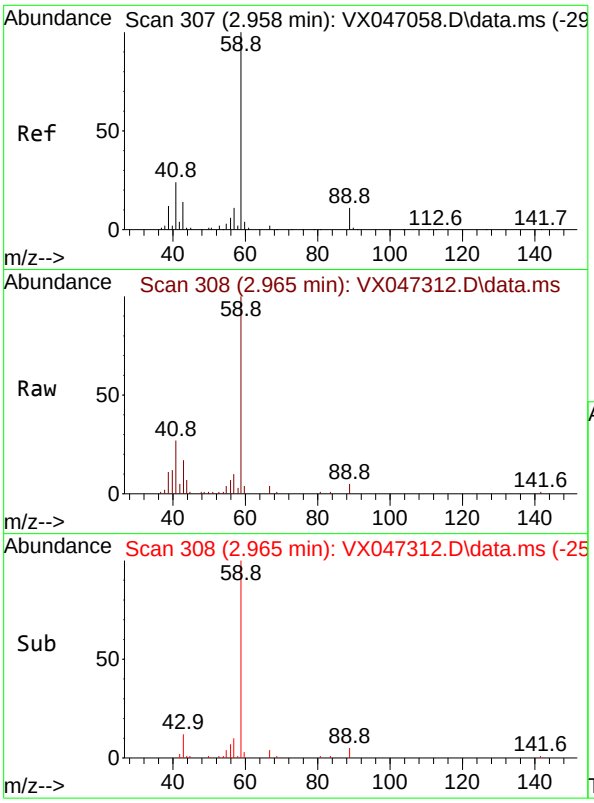


#10
Methyl Iodide
Concen: 29.914 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:142 Resp: 77812

Ion	Ratio	Lower	Upper
142	100		
127	46.9	36.6	54.8
141	13.9	10.9	16.3

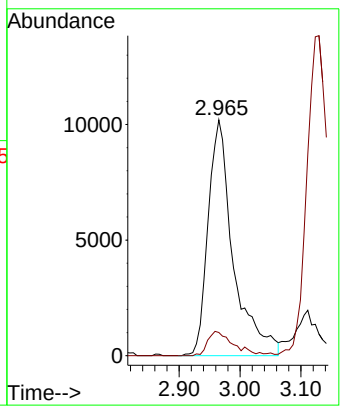




#11
Tert butyl alcohol
Concen: 93.714 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 59 Resp: 2933

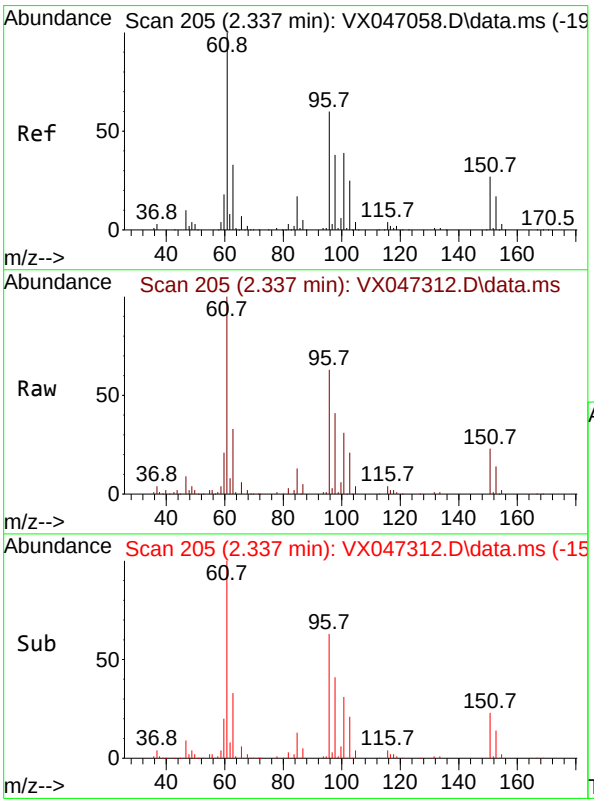
Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

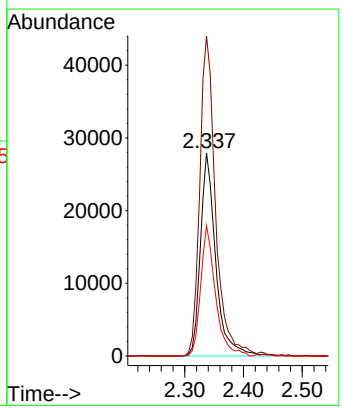
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

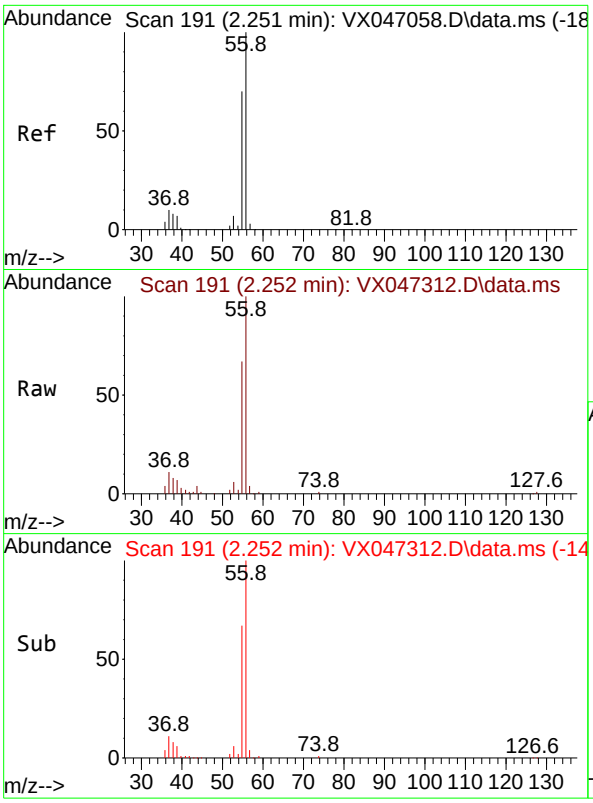


#12
1,1-Dichloroethene
Concen: 20.045 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 96 Resp: 50671

Ion	Ratio	Lower	Upper
96	100		
61	157.7	132.6	198.8
98	64.3	50.2	75.4

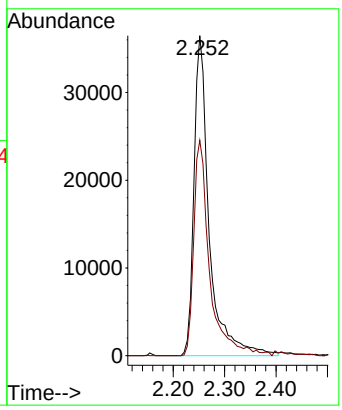




#13
Acrolein
Concen: 139.160 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 56 Resp: 7508

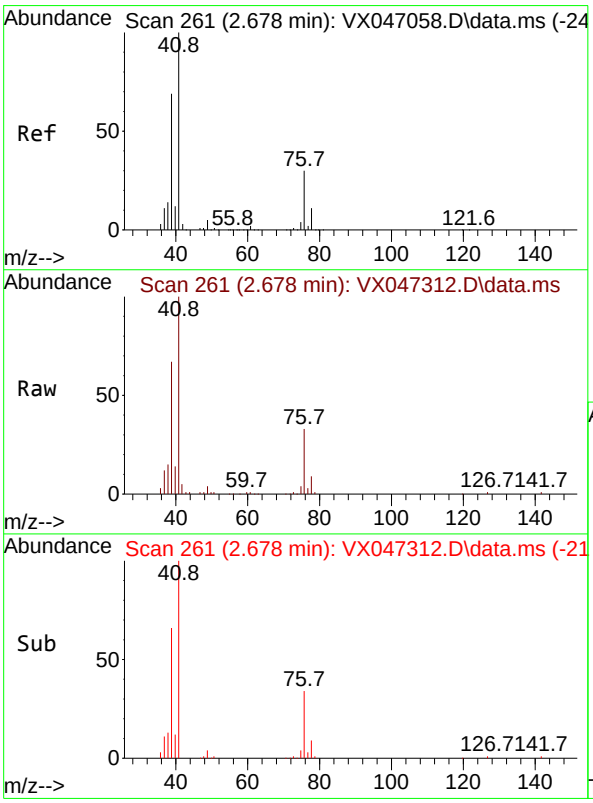
Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

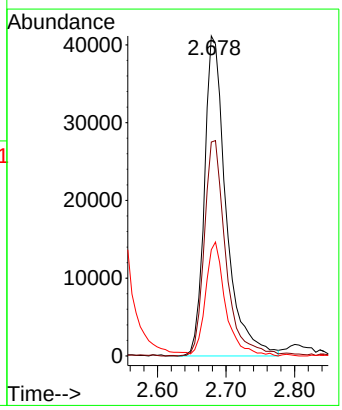
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

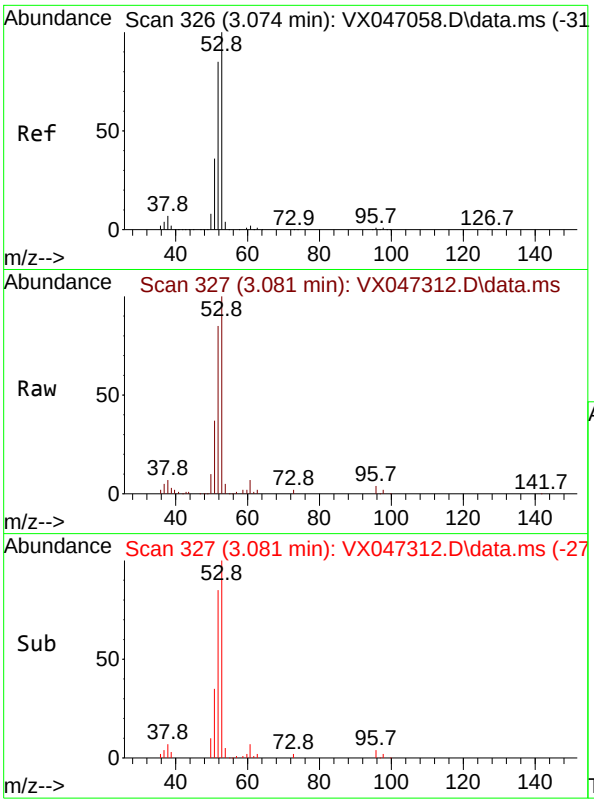


#14
Allyl chloride
Concen: 19.819 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 41 Resp: 90565

Ion	Ratio	Lower	Upper
41	100		
39	66.7	52.6	78.8
76	32.9	25.7	38.5

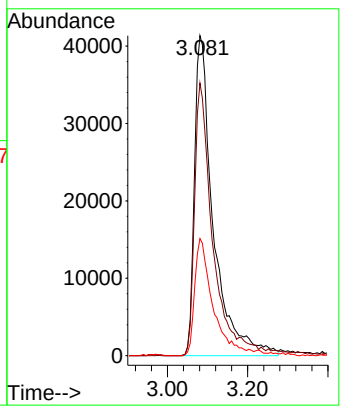




#15
Acrylonitrile
Concen: 112.844 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 53 Resp: 13485

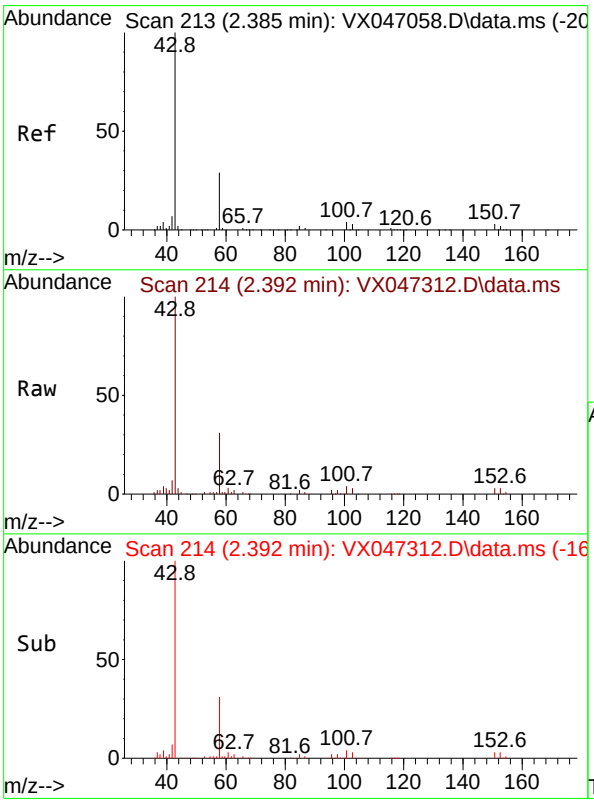
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	35.6	28.8	43.2



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

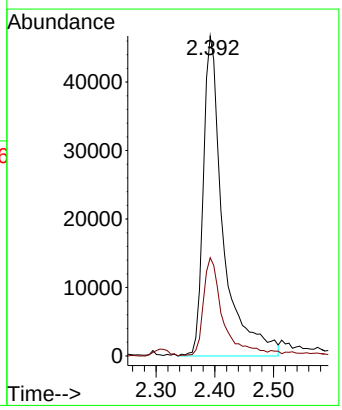
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

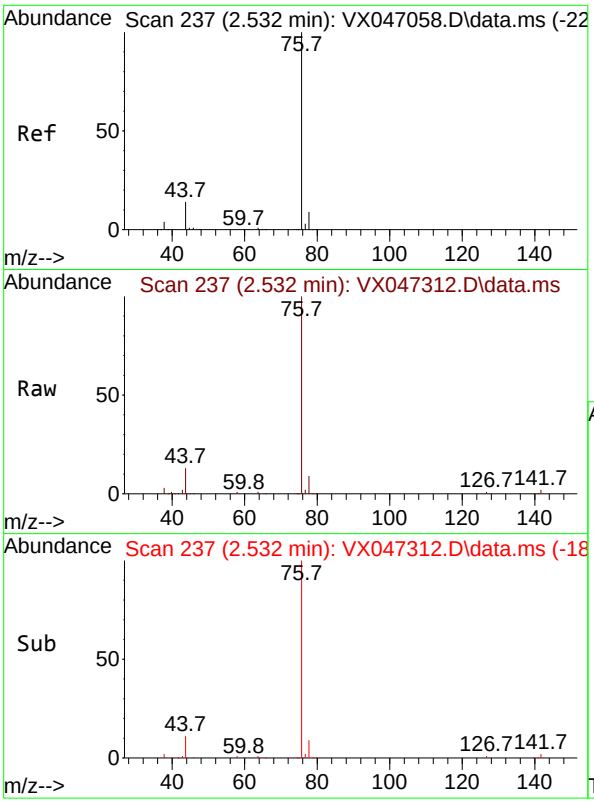


#16
Acetone
Concen: 109.353 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 43 Resp: 109769

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.0	36.0

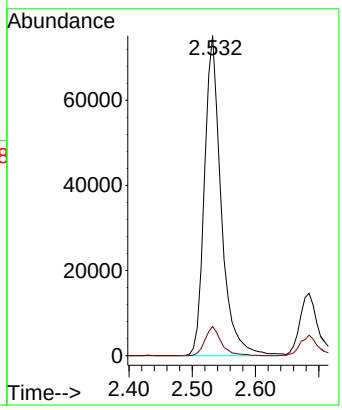




#17
Carbon Disulfide
Concen: 18.890 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 76 Resp: 13814

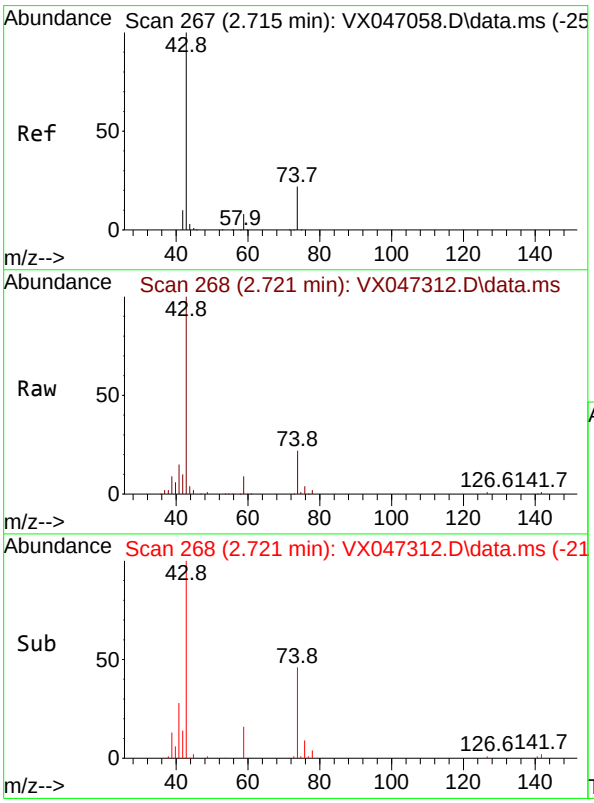
Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

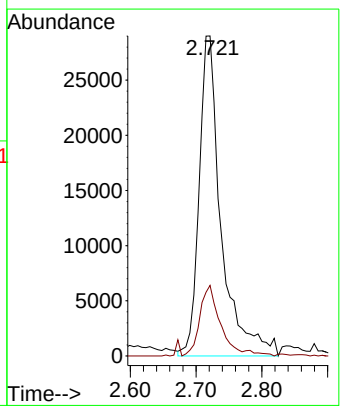
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

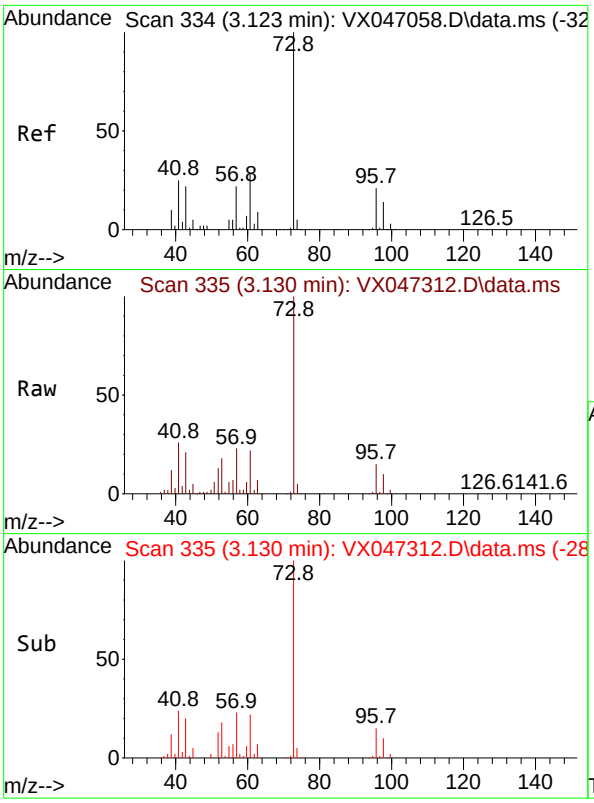


#18
Methyl Acetate
Concen: 25.293 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 43 Resp: 67472

Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.7	26.5

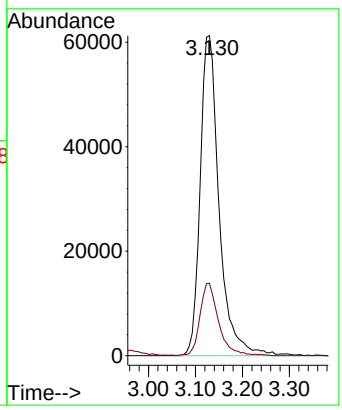




#19
Methyl tert-butyl Ether
Concen: 22.215 ug/l
RT: 3.130 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 73 Resp: 17091

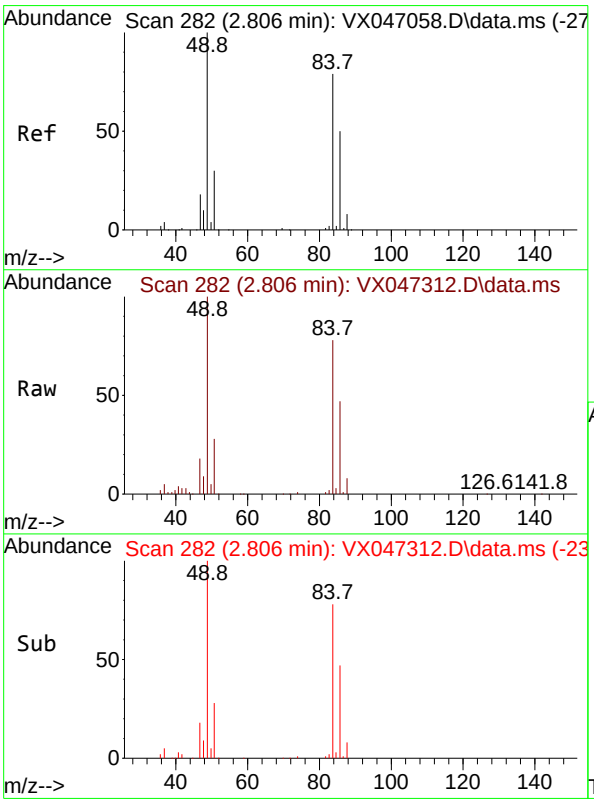
Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

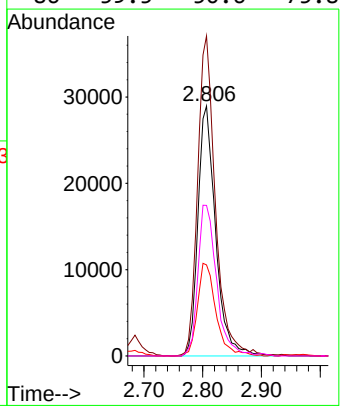
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

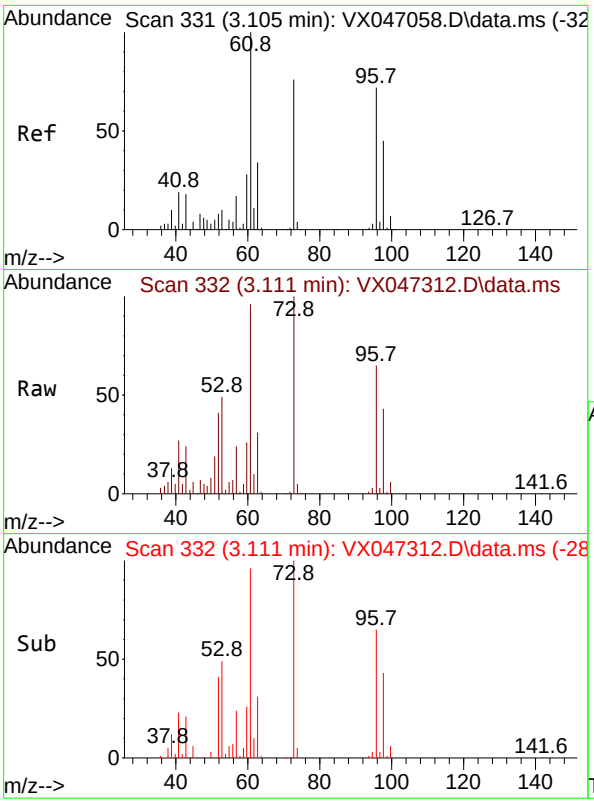


#20
Methylene Chloride
Concen: 21.969 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 84 Resp: 60670

Ion	Ratio	Lower	Upper
84	100		
49	123.6	101.6	152.4
51	35.2	30.3	45.5
86	59.5	50.6	75.8

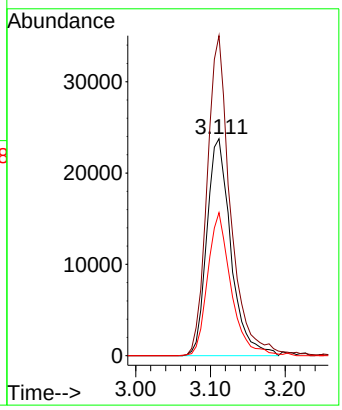




#21
trans-1,2-Dichloroethene
Concen: 20.531 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 96 Resp: 5311

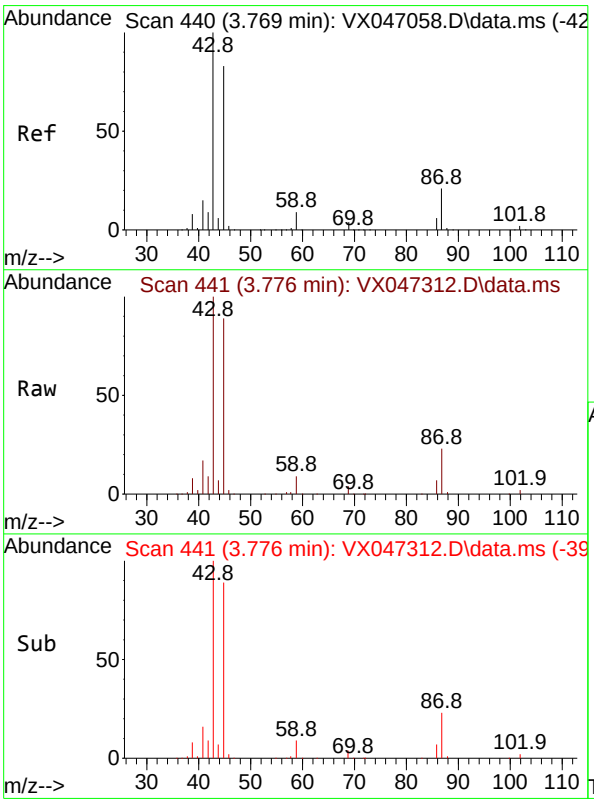
Ion	Ratio	Lower	Upper
96	100		
61	147.5	111.1	166.7
98	66.0	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

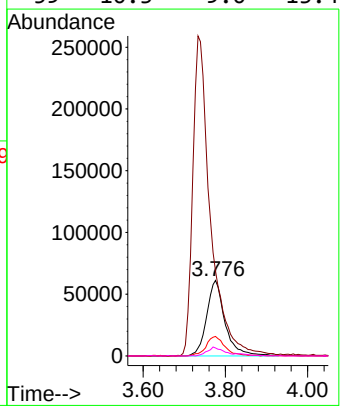
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

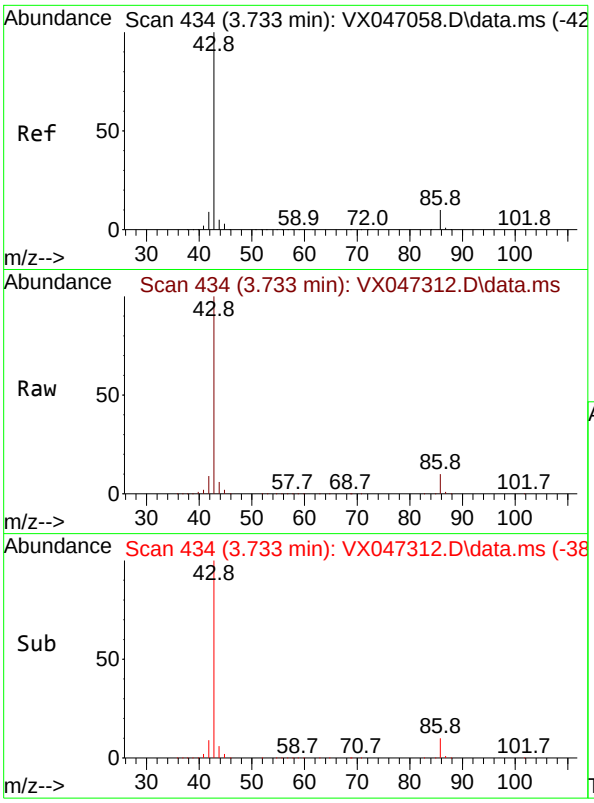


#22
Diisopropyl ether
Concen: 21.575 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 45 Resp: 189542

Ion	Ratio	Lower	Upper
45	100		
43	111.9	96.8	145.2
87	25.8	20.5	30.7
59	10.3	9.0	13.4





#23
Vinyl Acetate
Concen: 110.278 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

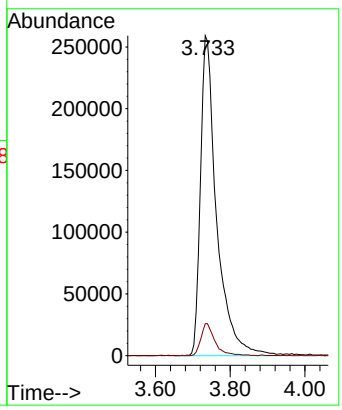
Tgt Ion: 43 Resp: 77707

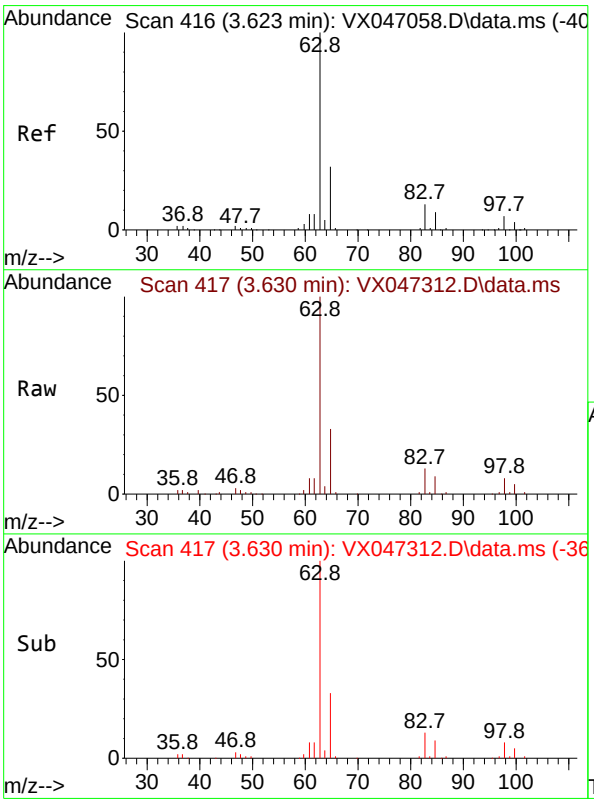
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

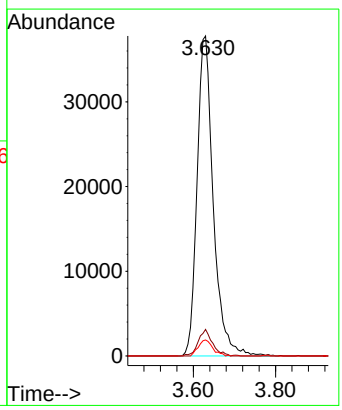


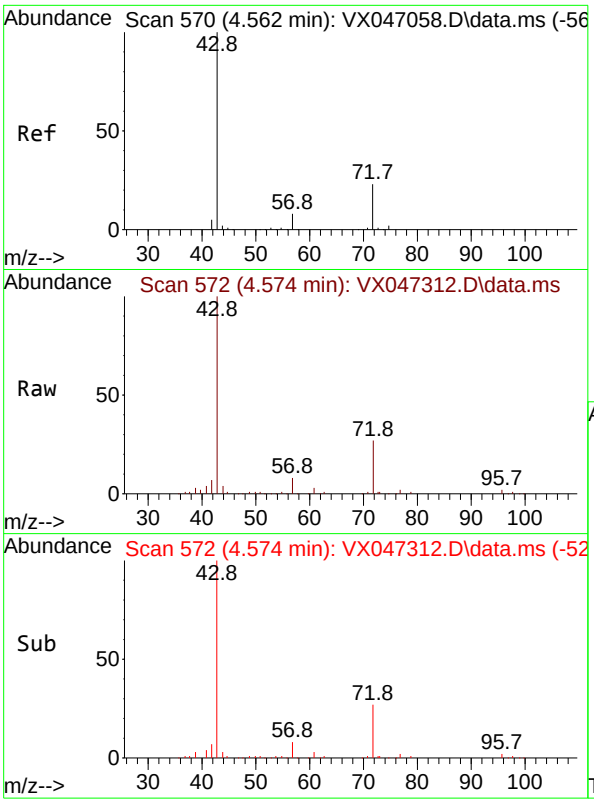


#24
1,1-Dichloroethane
Concen: 21.143 ug/l
RT: 3.630 min Scan# 417
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 63 Resp: 103292

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.6	10.8
100	5.0	2.3	6.8

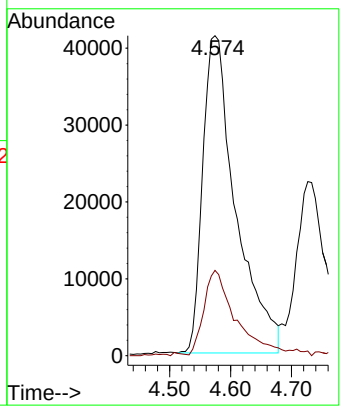




#25
2-Butanone
Concen: 106.560 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.013 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 43 Resp: 15575

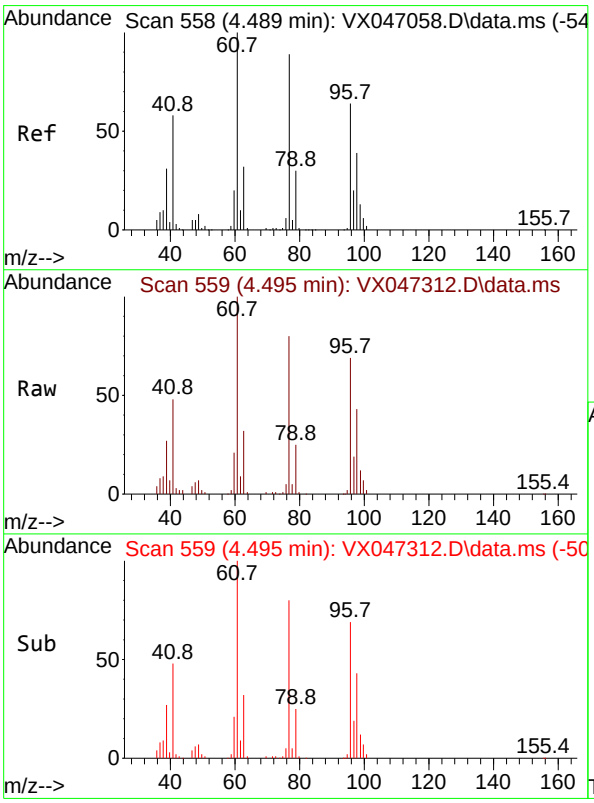
Ion	Ratio	Lower	Upper
43	100		
72	27.1	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
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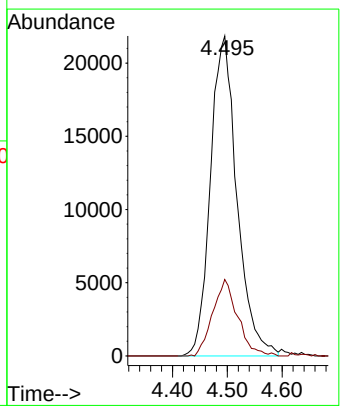
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

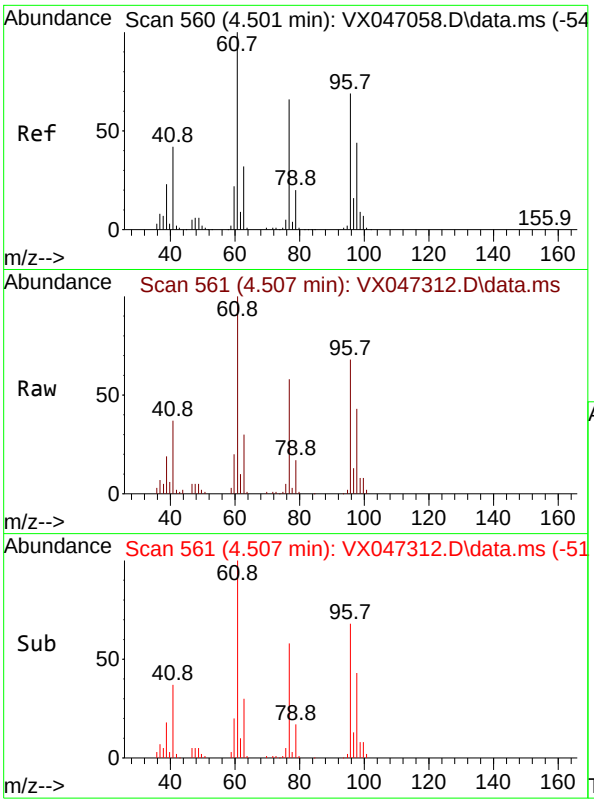


#26
2,2-Dichloropropane
Concen: 19.417 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 77 Resp: 73431

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.1

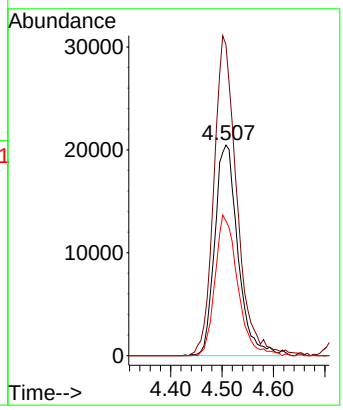




#27
cis-1,2-Dichloroethene
Concen: 20.900 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 96 Resp: 6402

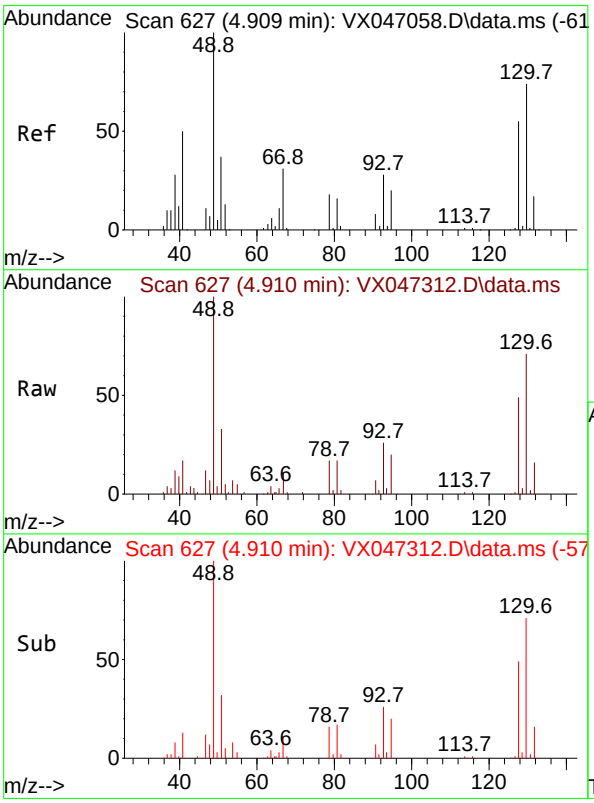
Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	298.6
98	65.3	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
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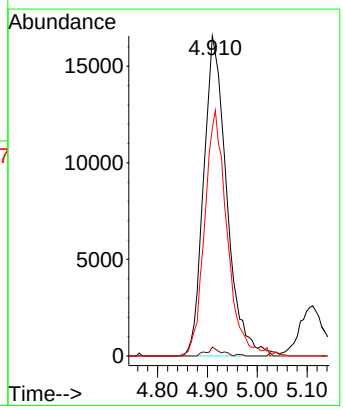
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

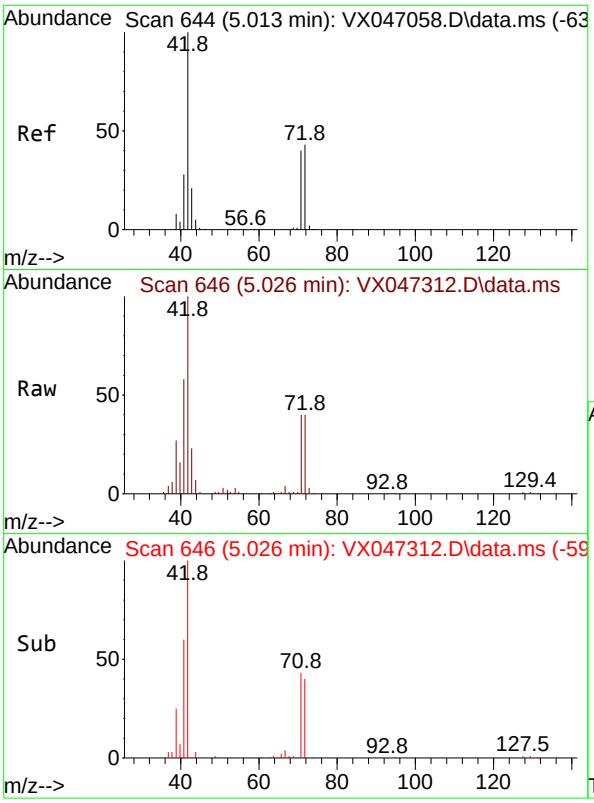


#28
Bromochloromethane
Concen: 23.761 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 49 Resp: 53405

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	74.4	59.0	88.4





#29
Tetrahydrofuran
Concen: 103.638 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.013 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

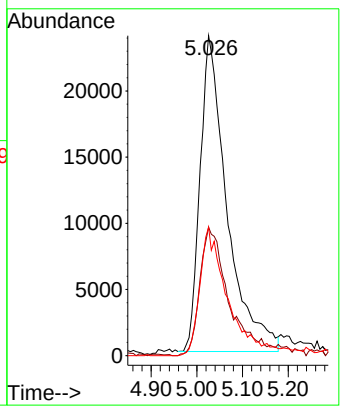
Tgt Ion: 42 Resp: 9773

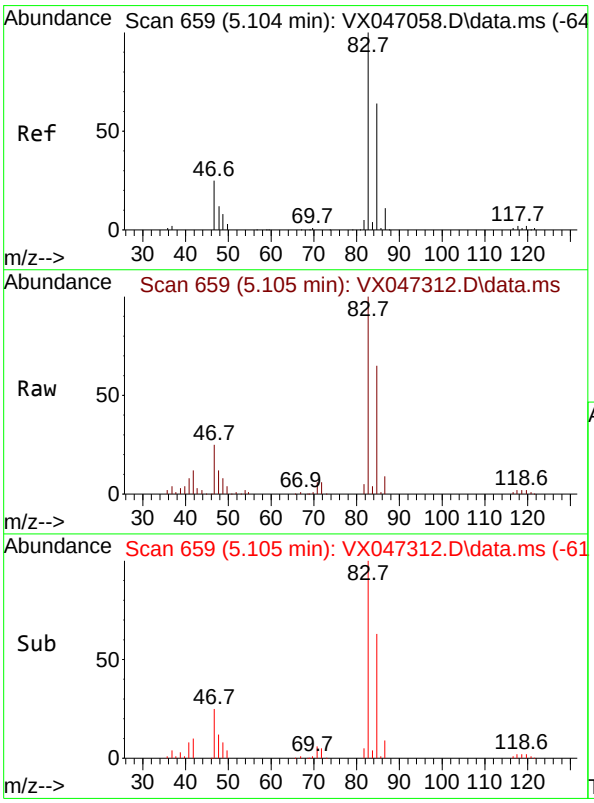
Ion	Ratio	Lower	Upper
42	100		
72	44.0	33.7	50.5
71	42.0	31.0	46.4

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

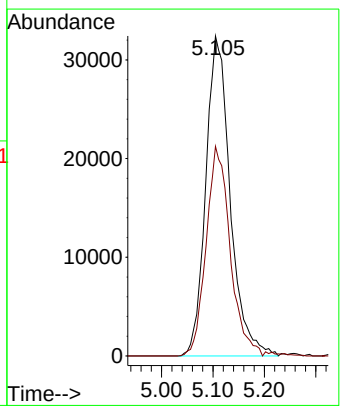


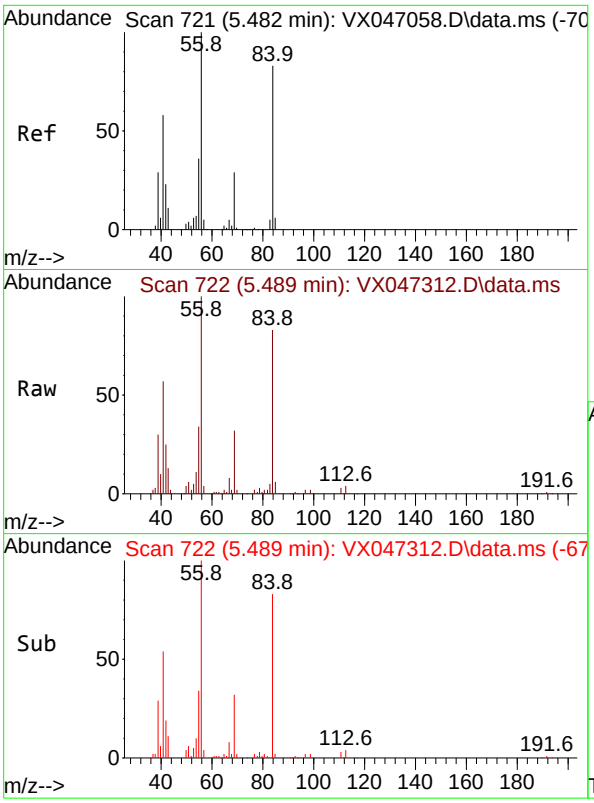


#30
Chloroform
Concen: 21.507 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 83 Resp: 106952

Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.9	76.3

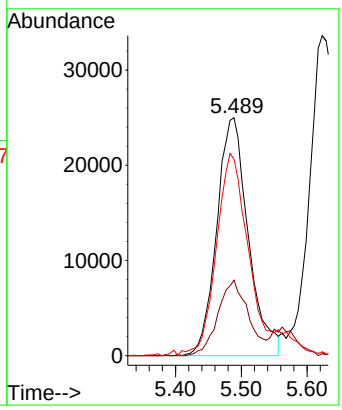




#31
Cyclohexane
Concen: 17.795 ug/l
RT: 5.489 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 56 Resp: 8335

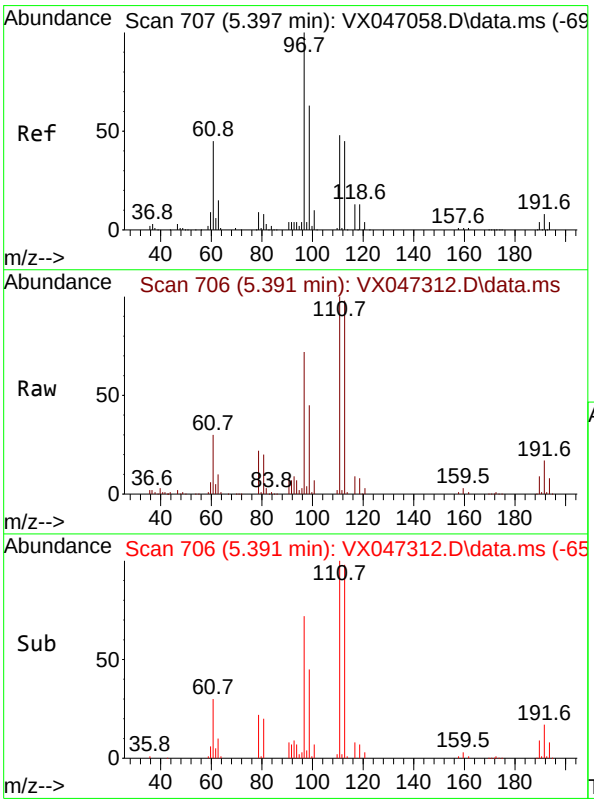
Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.3	34.9
84	82.5	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
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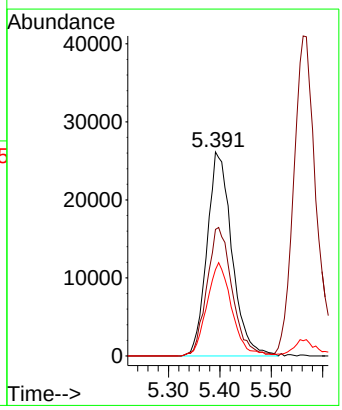
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

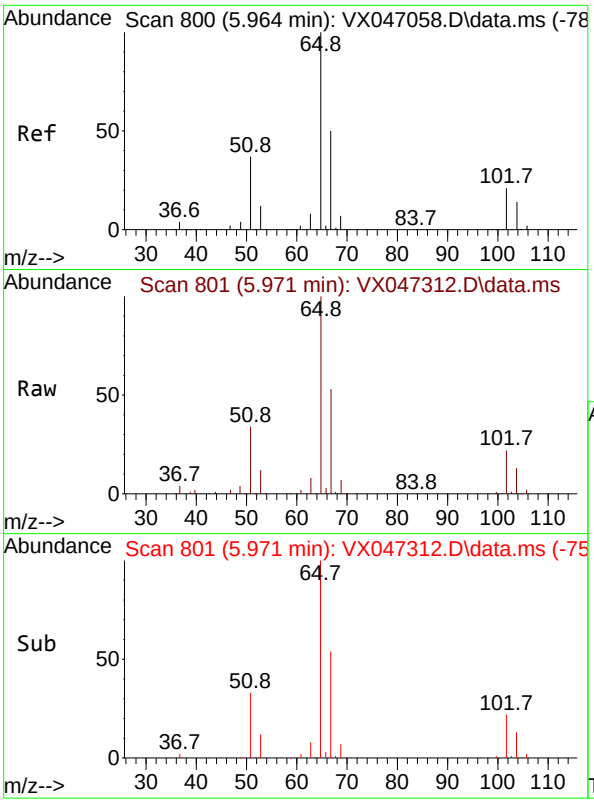


#32
1,1,1-Trichloroethane
Concen: 20.362 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 97 Resp: 87950

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.2	76.8
61	45.7	37.1	55.7





#33
1,2-Dichloroethane-d4
Concen: 54.717 ug/l
RT: 5.971 min Scan# 8(
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

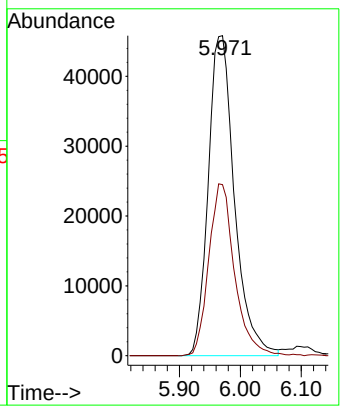
Tgt Ion: 65 Resp: 13710(

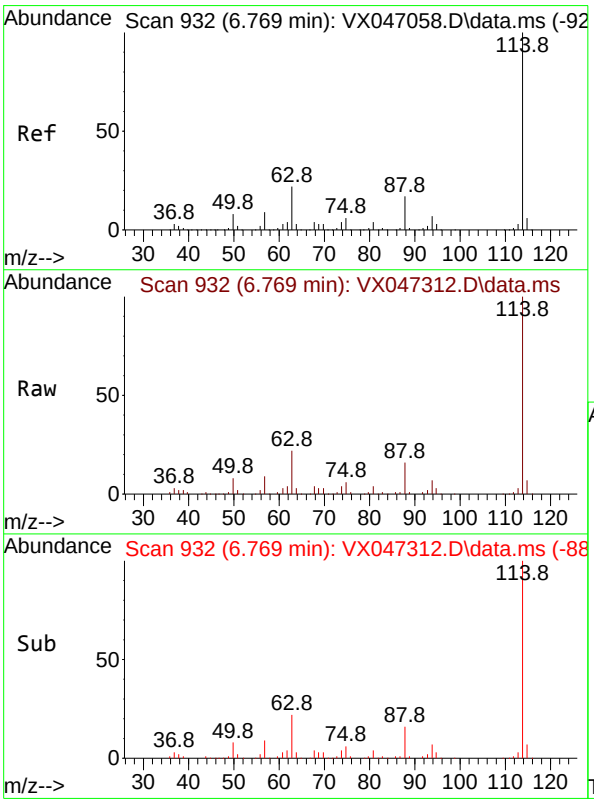
Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.8

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

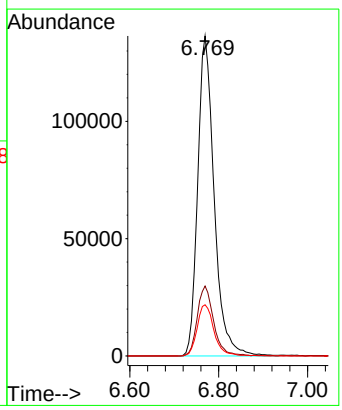


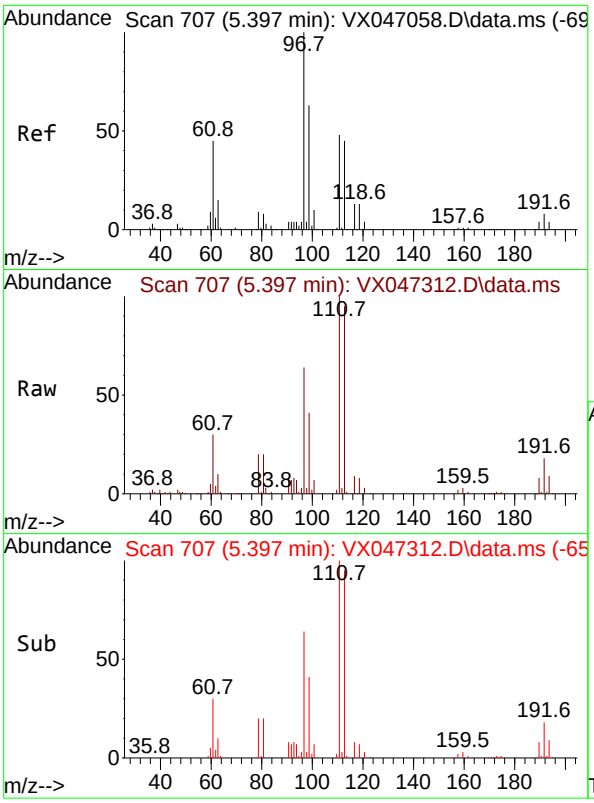


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:114 Resp: 351465

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	16.0	0.0	33.8

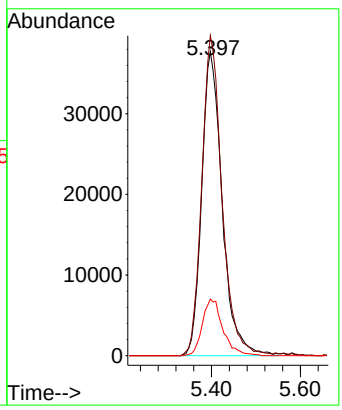




#35
Dibromofluoromethane
Concen: 55.734 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:113 Resp: 12094

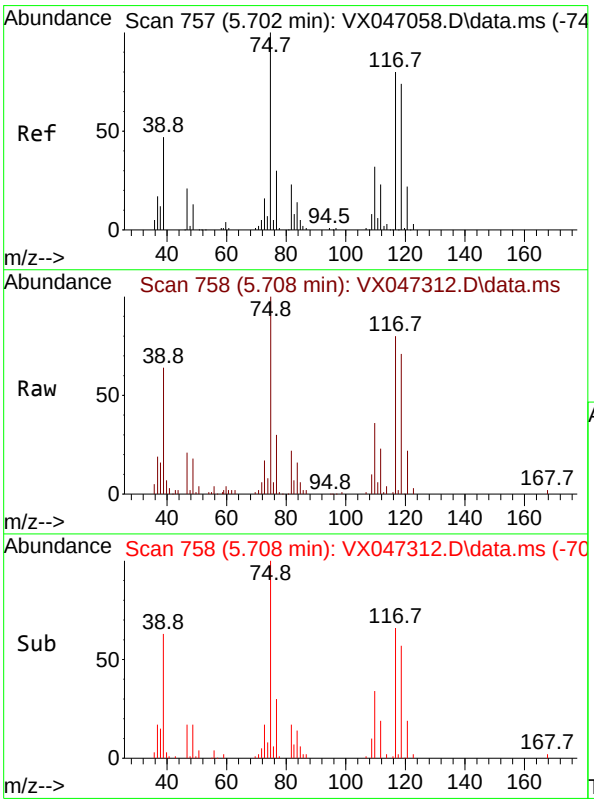
Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	124.0
192	18.7	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations APPROVED

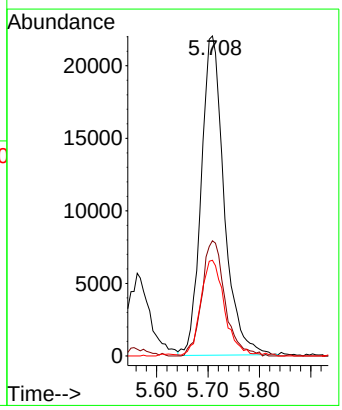
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

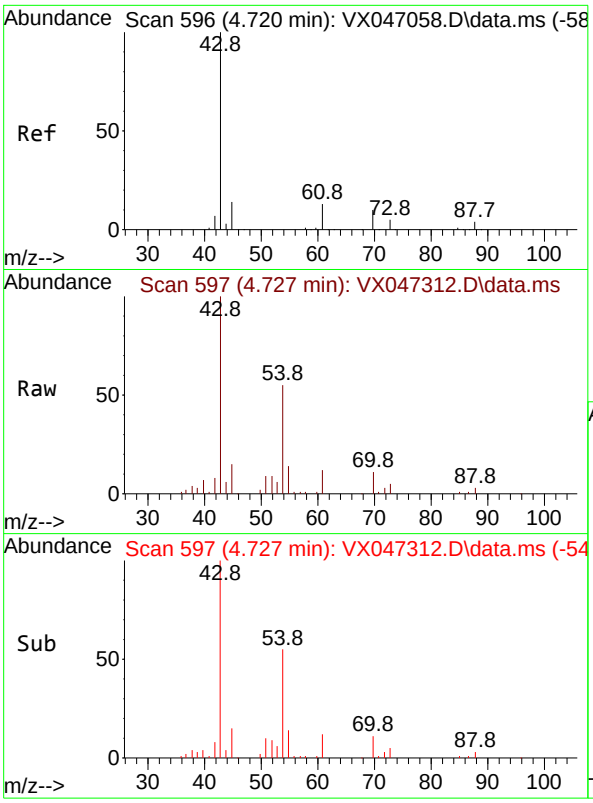


#36
1,1-Dichloropropene
Concen: 18.416 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 75 Resp: 68123

Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.2	51.5
77	30.7	25.1	37.7





#37
Ethyl Acetate
Concen: 23.264 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

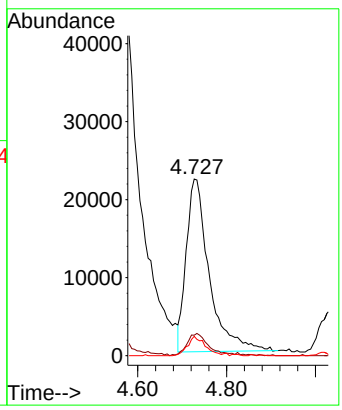
Tgt Ion: 43 Resp: 7929

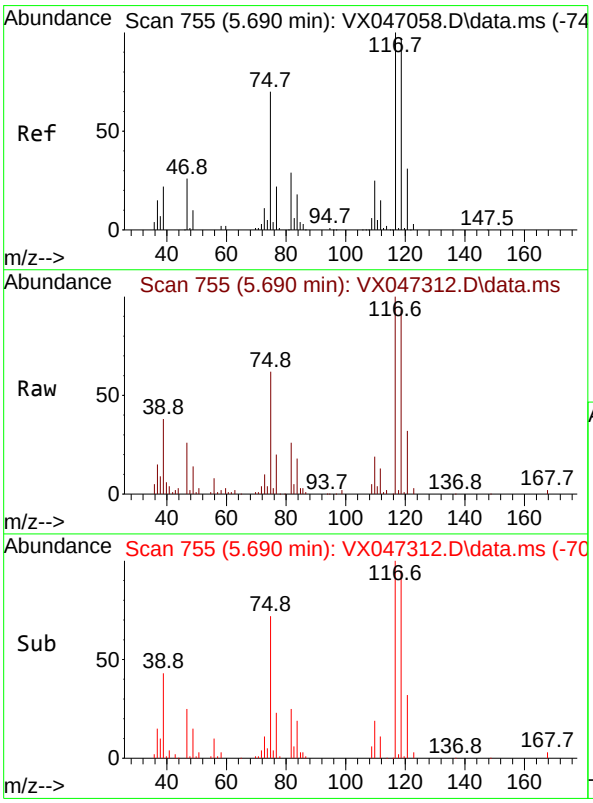
Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.2	15.2
70	8.5	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

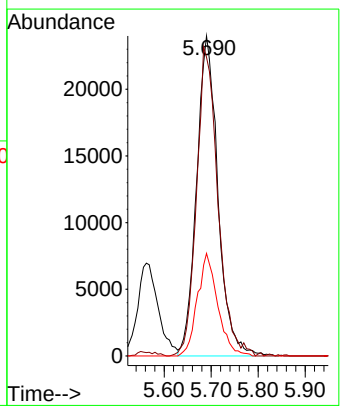


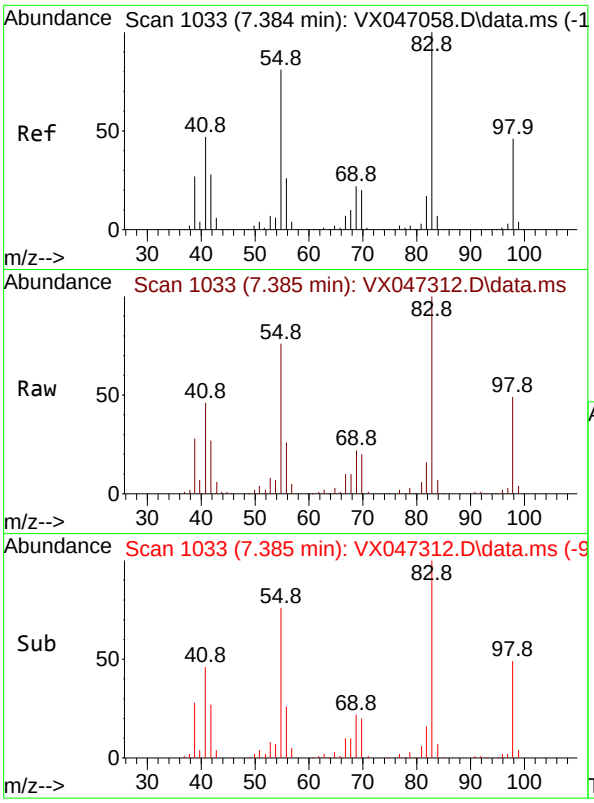


#38
Carbon Tetrachloride
Concen: 19.234 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:117 Resp: 75937

Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.6	115.0
121	32.1	24.4	36.6

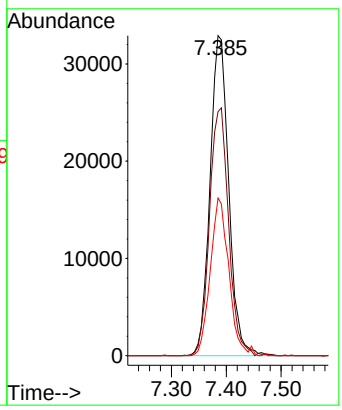




#39
Methylcyclohexane
Concen: 16.879 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 83 Resp: 7795

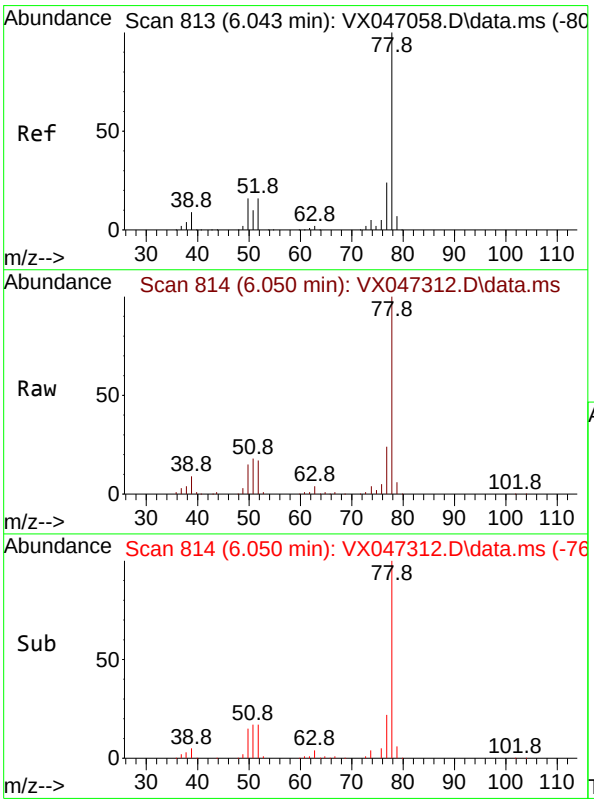
Ion	Ratio	Lower	Upper
83	100		
55	76.3	64.5	96.7
98	49.2	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

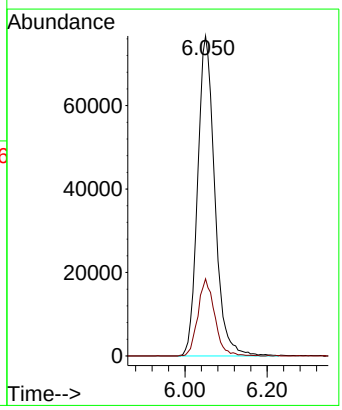
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

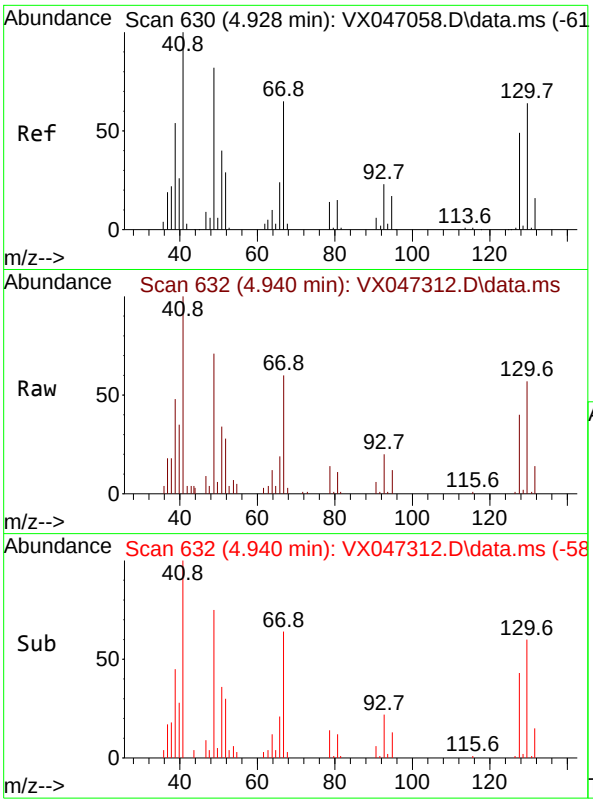


#40
Benzene
Concen: 20.699 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 78 Resp: 221589

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4

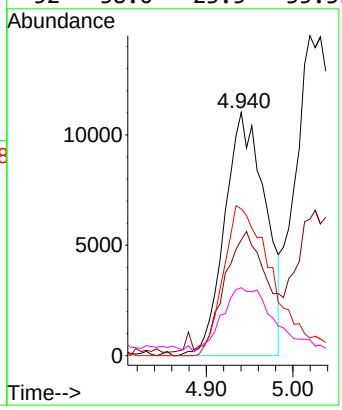




#41
Methacrylonitrile
Concen: 20.202 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.013 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 41 Resp: 3600

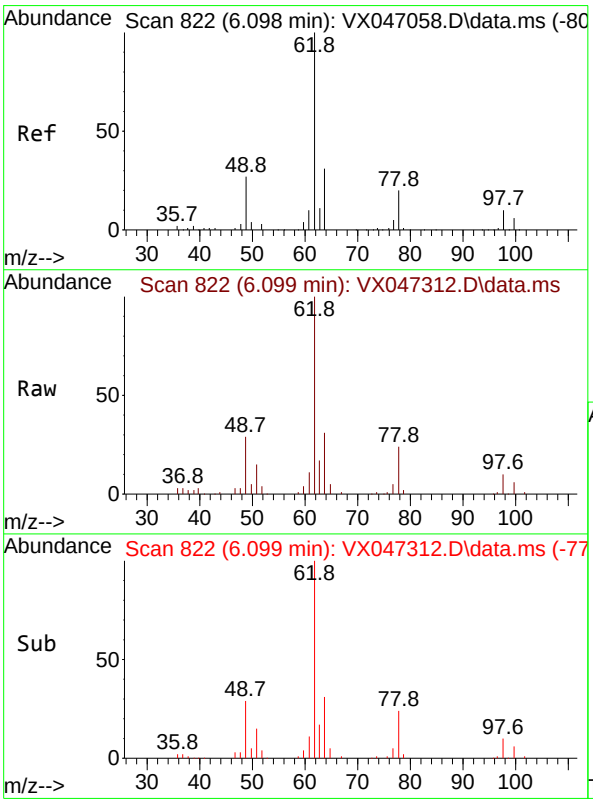
Ion	Ratio	Lower	Upper
41	100		
39	50.4	44.2	66.2
67	78.2	56.4	84.6
52	38.0	23.5	35.3#



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
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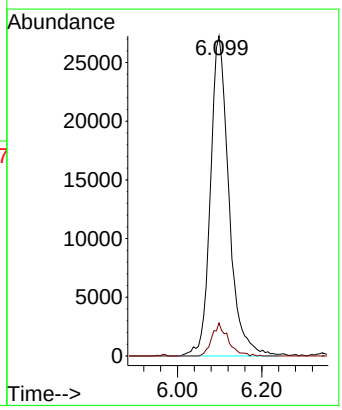
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

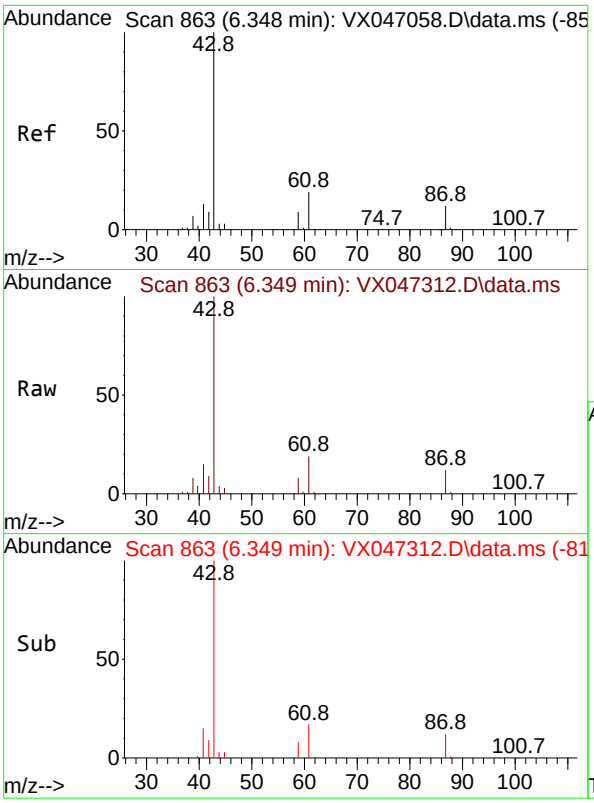


#42
1,2-Dichloroethane
Concen: 22.036 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 62 Resp: 83097

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.8

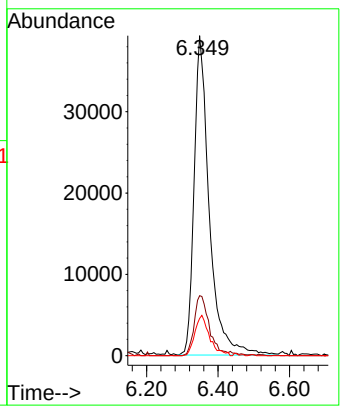




#43
Isopropyl Acetate
Concen: 21.781 ug/l
RT: 6.349 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

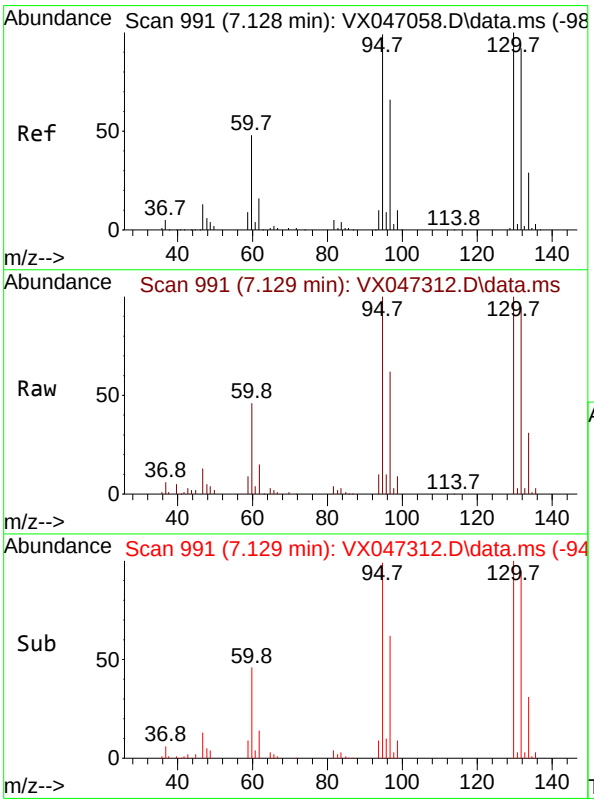
Tgt Ion: 43 Resp: 11574

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.1	22.7
87	12.2	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

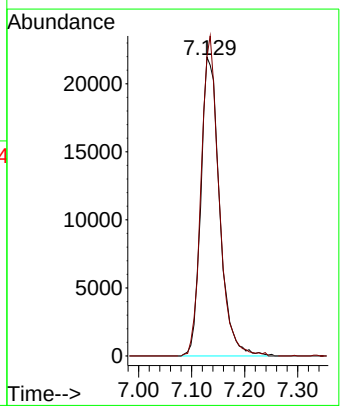
Manual Integrations
APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

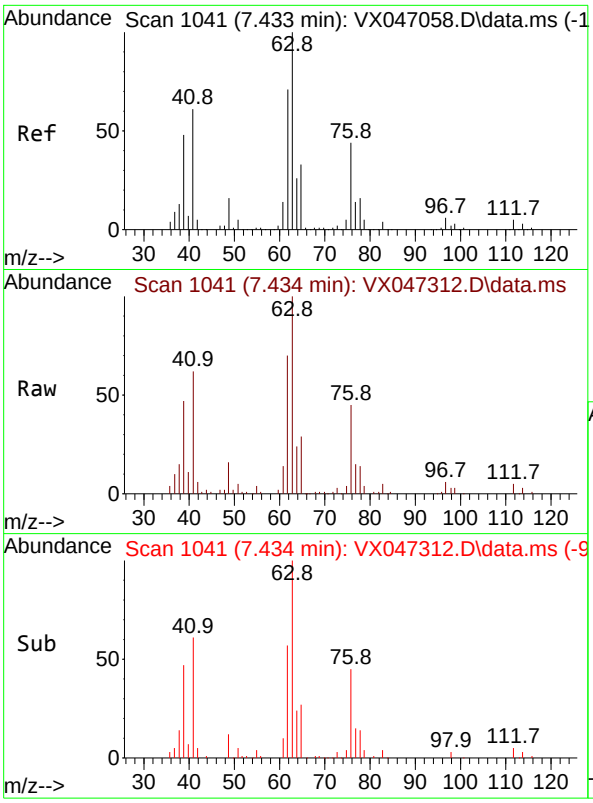


#44
Trichloroethene
Concen: 19.598 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:130 Resp: 53800

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	198.6

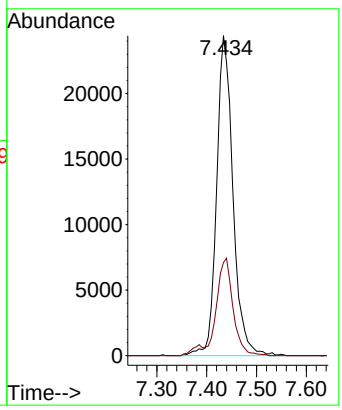




#45
1,2-Dichloropropane
Concen: 20.747 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 63 Resp: 5562

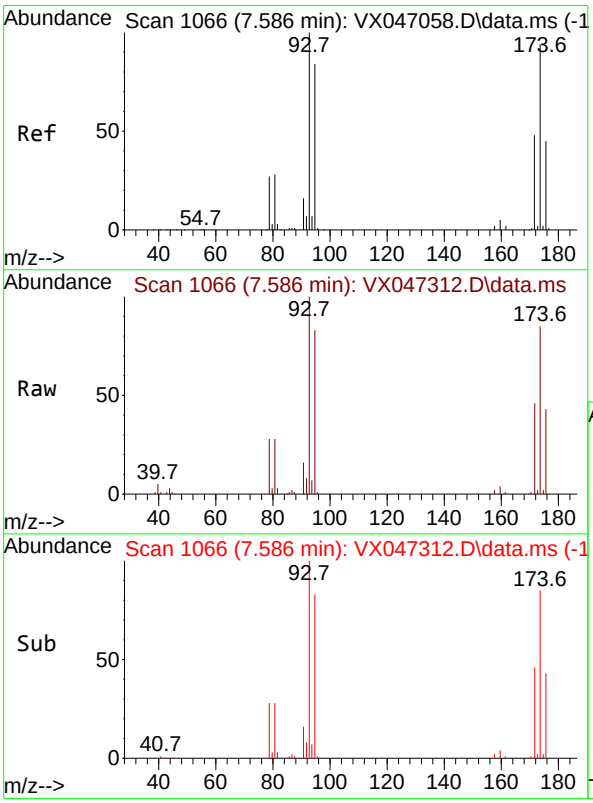
Ion	Ratio	Lower	Upper
63	100		
65	29.1	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
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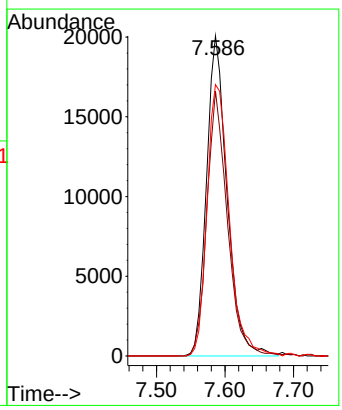
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

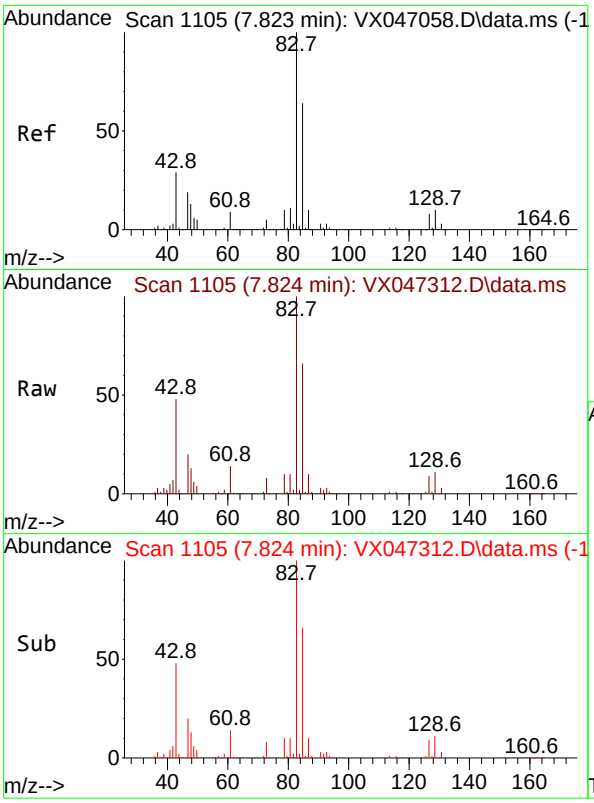


#46
Dibromomethane
Concen: 22.334 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 93 Resp: 41993

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.9	98.9
174	91.3	74.6	112.0

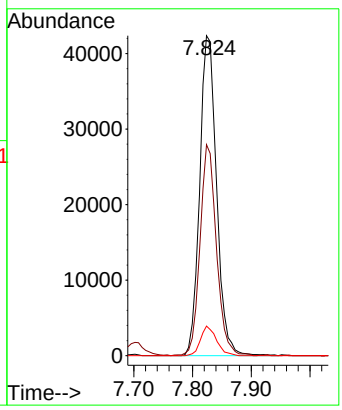




#47
Bromodichloromethane
Concen: 21.180 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

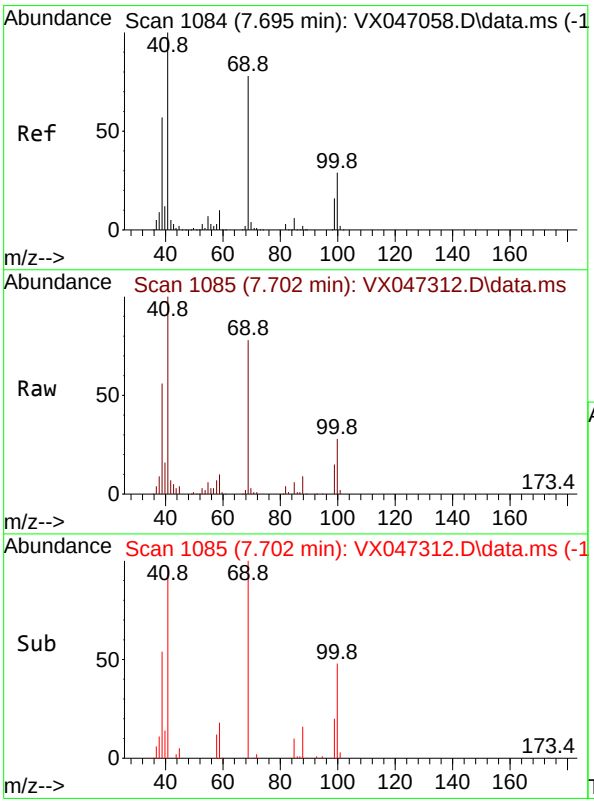
Tgt Ion: 83 Resp: 8476

Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.9	74.9
127	9.2	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

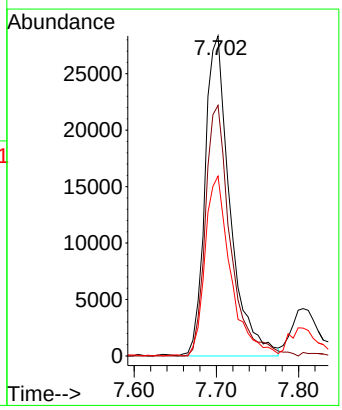
Manual Integrations
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Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

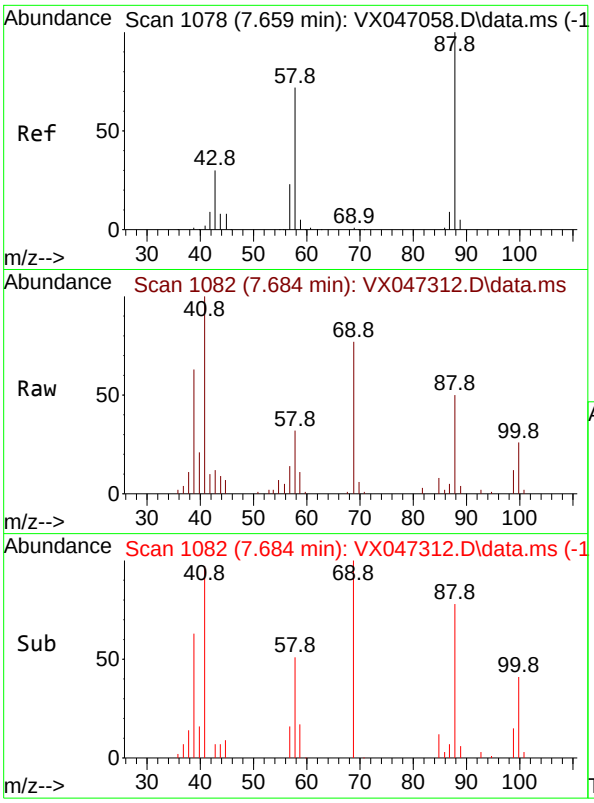


#48
Methyl methacrylate
Concen: 20.720 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 41 Resp: 59981

Ion	Ratio	Lower	Upper
41	100		
69	78.0	62.3	93.5
39	57.4	44.8	67.2

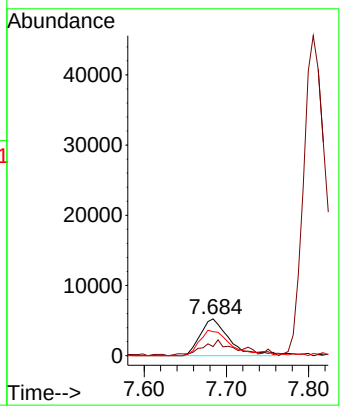




#49
1,4-Dioxane
Concen: 386.524 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.025 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

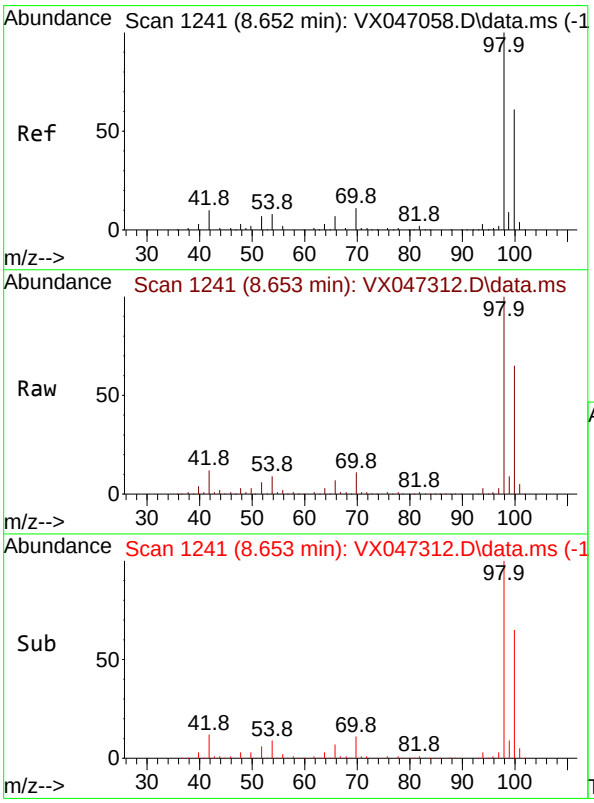
Tgt Ion: 88 Resp: 1272

Ion	Ratio	Lower	Upper
88	100		
43	38.1	33.6	50.4
58	70.0	58.8	88.2



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

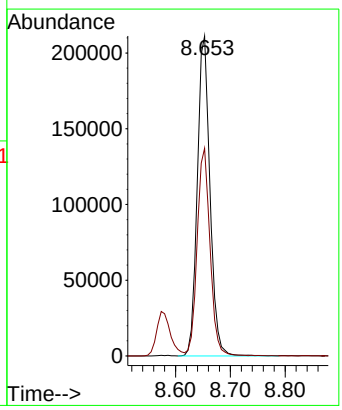
Manual Integrations APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

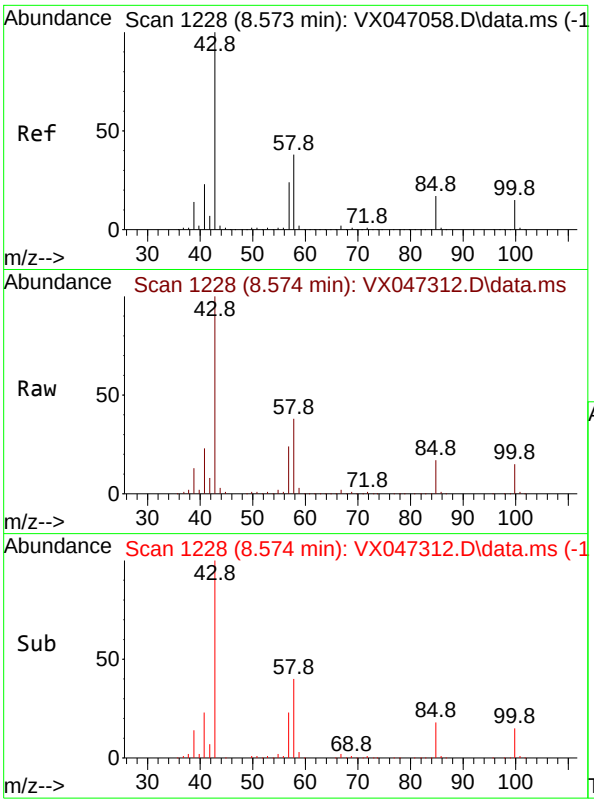


#50
Toluene-d8
Concen: 48.402 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 98 Resp: 340158

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.3	79.9

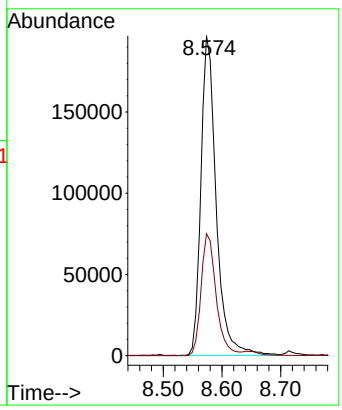




#51
4-Methyl-2-Pentanone
Concen: 112.824 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 43 Resp: 3563

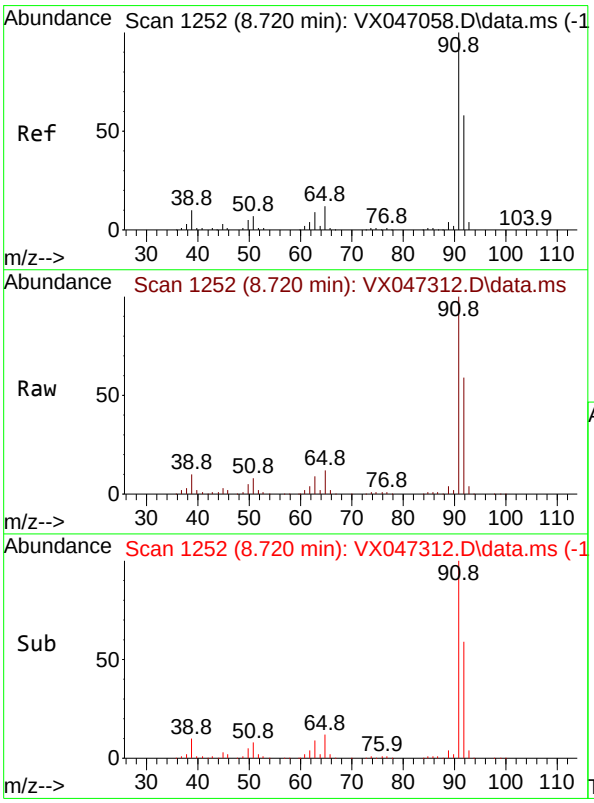
Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations APPROVED

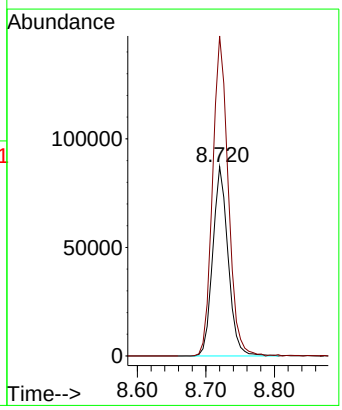
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

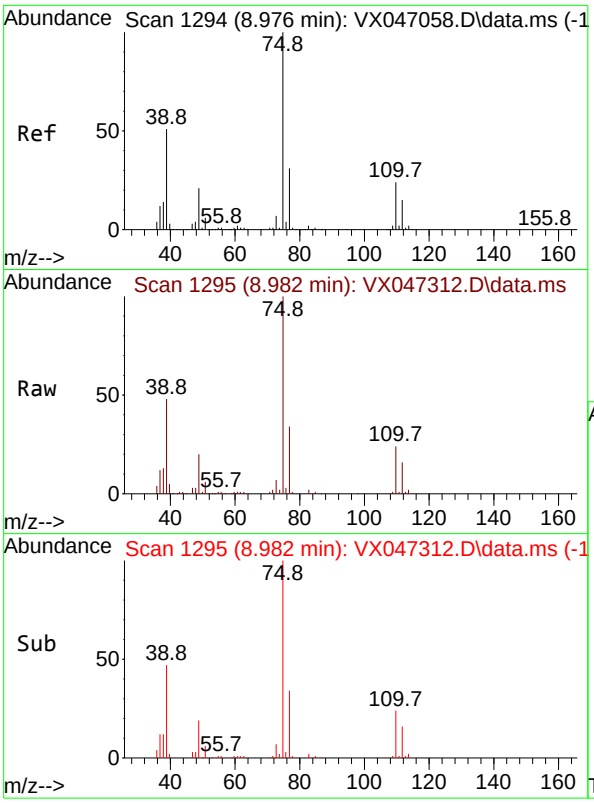


#52
Toluene
Concen: 20.566 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 92 Resp: 135372

Ion	Ratio	Lower	Upper
92	100		
91	172.2	137.9	206.9

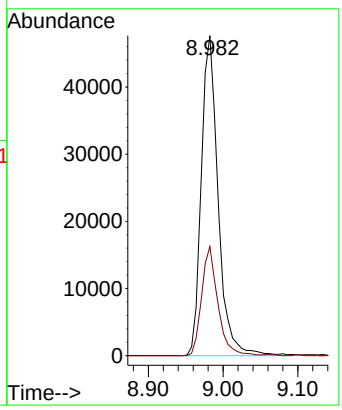




#53
t-1,3-Dichloropropene
Concen: 19.701 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 75 Resp: 7445

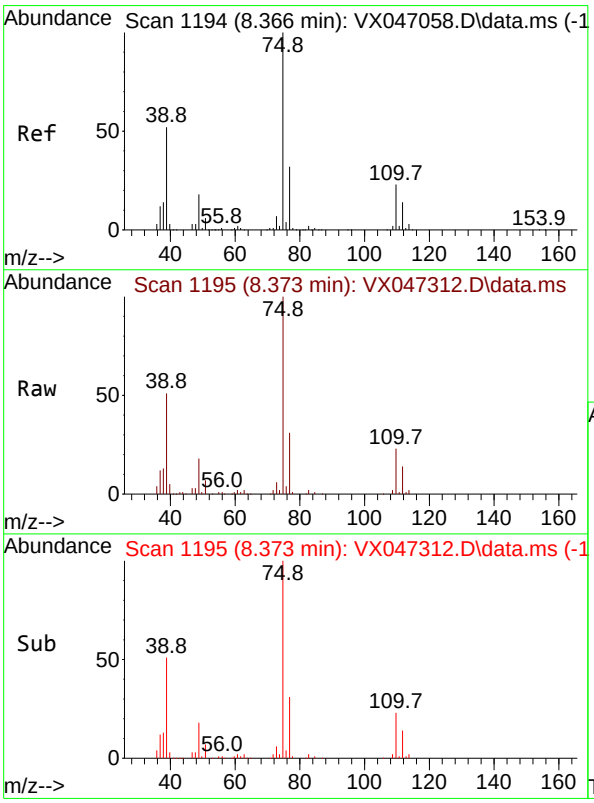
Ion	Ratio	Lower	Upper
75	100		
77	34.1	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
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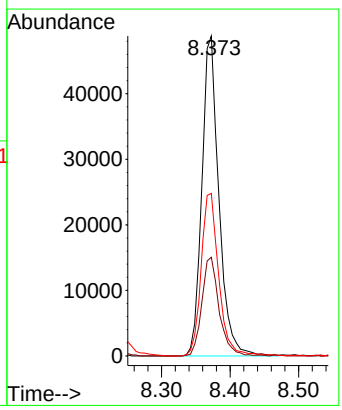
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

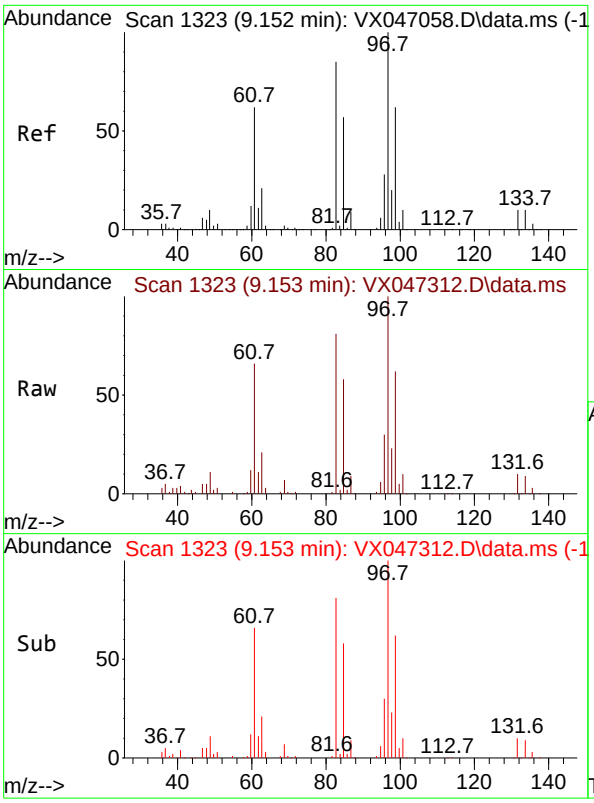


#54
cis-1,3-Dichloropropene
Concen: 20.406 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 75 Resp: 84401

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	48.9	41.8	62.6

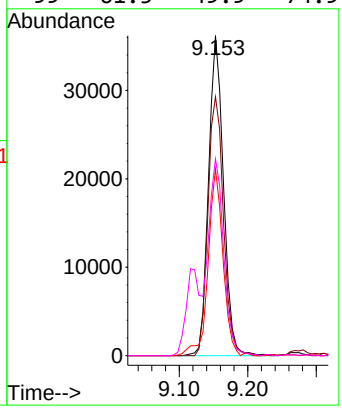




#55
1,1,2-Trichloroethane
Concen: 22.240 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 97 Resp: 5490

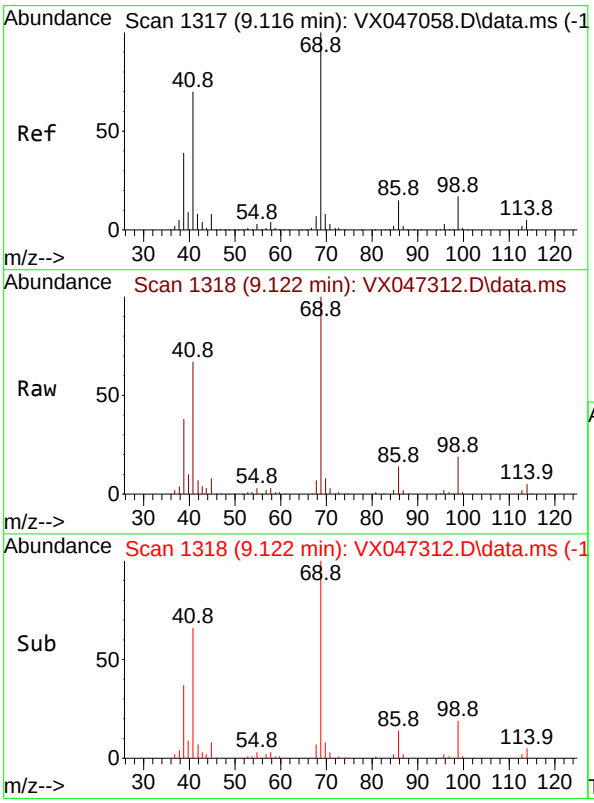
Ion	Ratio	Lower	Upper
97	100		
83	80.9	68.0	102.0
85	58.3	45.2	67.8
99	61.5	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
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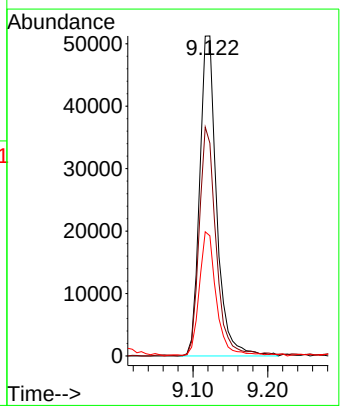
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

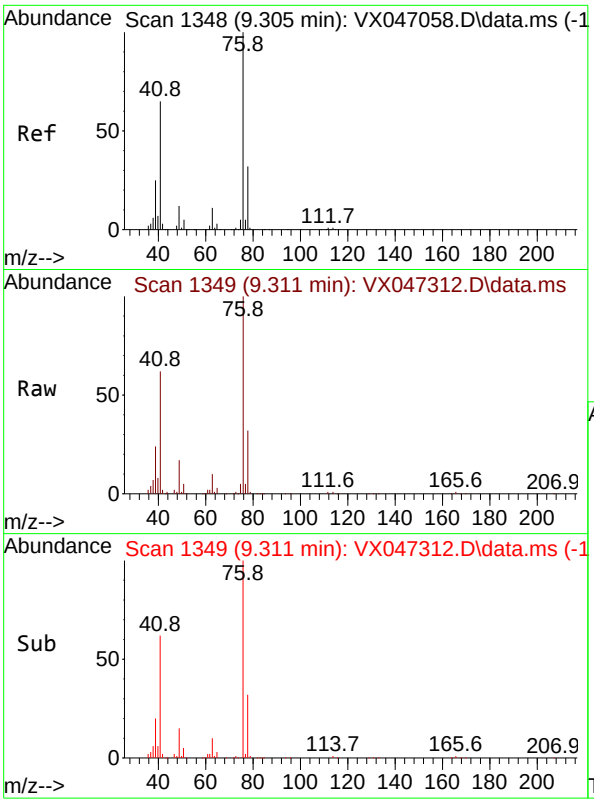


#56
Ethyl methacrylate
Concen: 22.128 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 69 Resp: 80865

Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.1	84.1
39	39.5	31.1	46.7

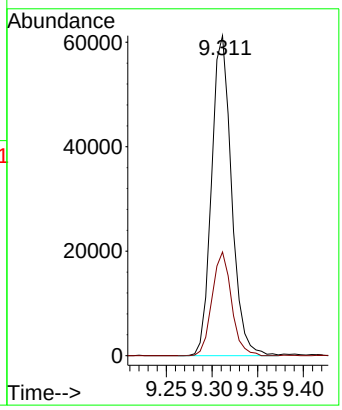




#57
1,3-Dichloropropane
Concen: 21.679 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 76 Resp: 9300

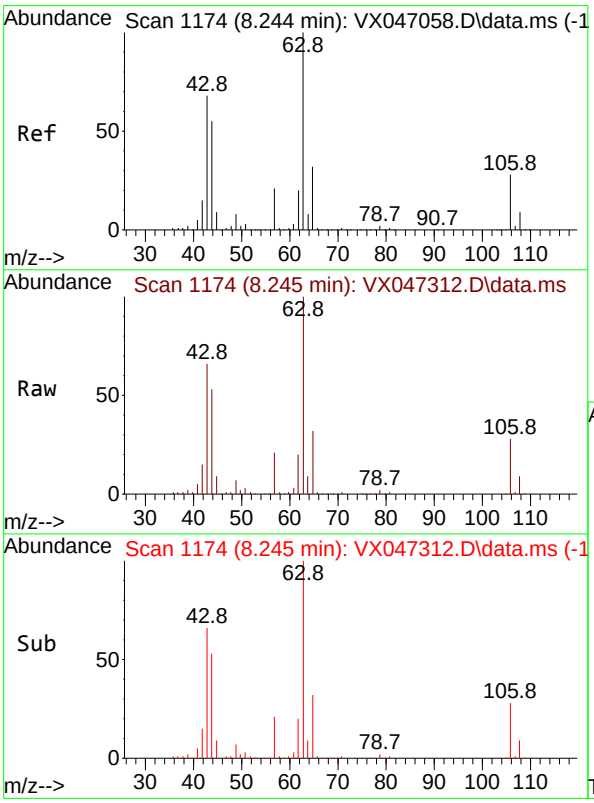
Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
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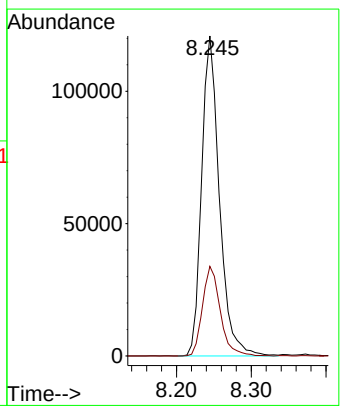
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

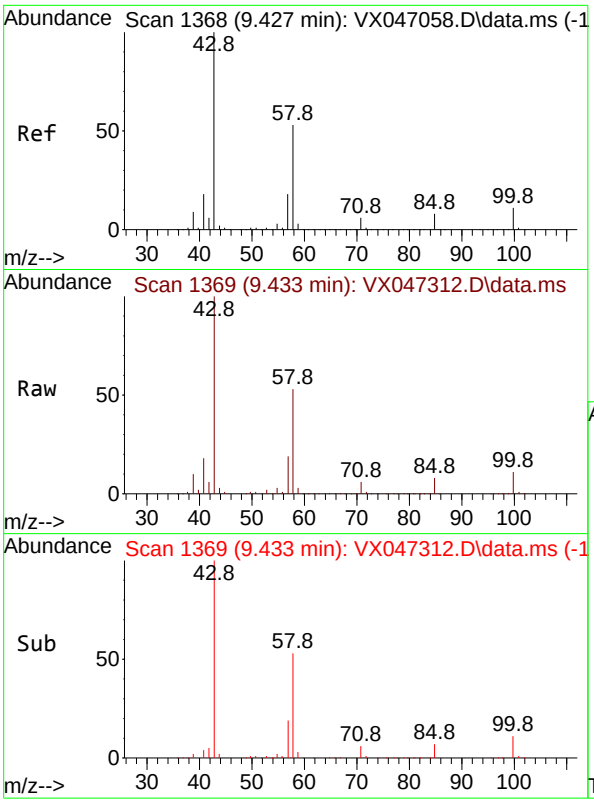


#58
2-Chloroethyl Vinyl ether
Concen: 98.129 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 63 Resp: 199555

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.2	33.4





#59
2-Hexanone
Concen: 118.411 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

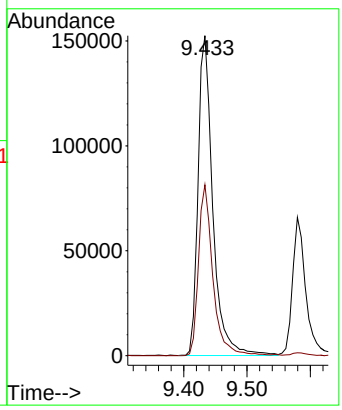
Tgt Ion: 43 Resp: 24709

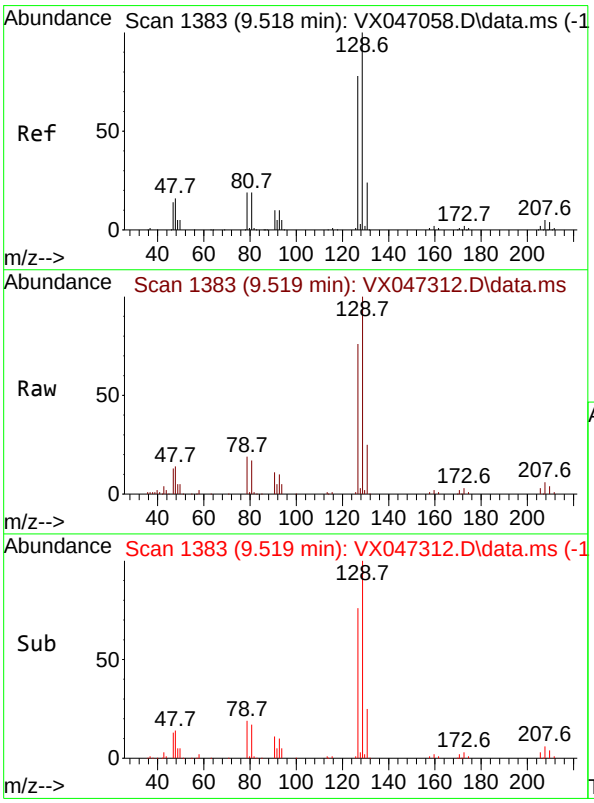
Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.5	79.5

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

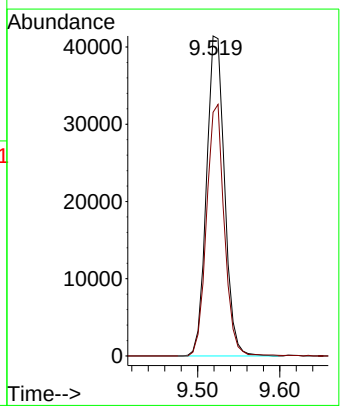


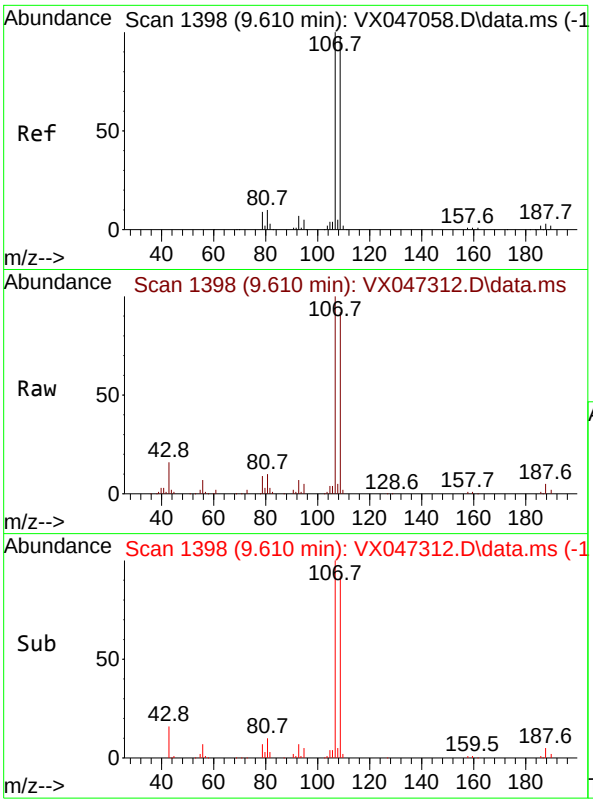


#60
Dibromochloromethane
Concen: 21.795 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:129 Resp: 63101

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8

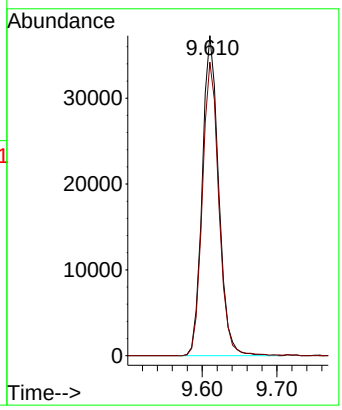




#61
1,2-Dibromoethane
Concen: 22.006 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:107 Resp: 5680

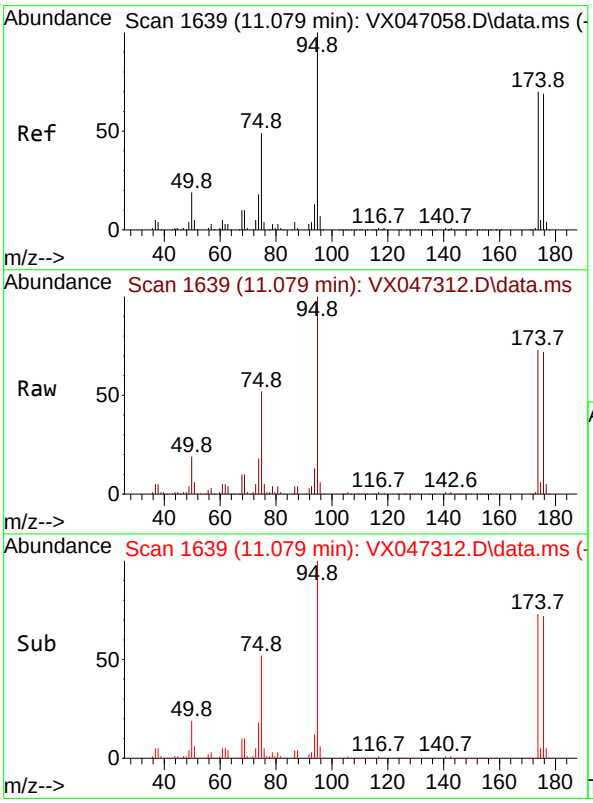
Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

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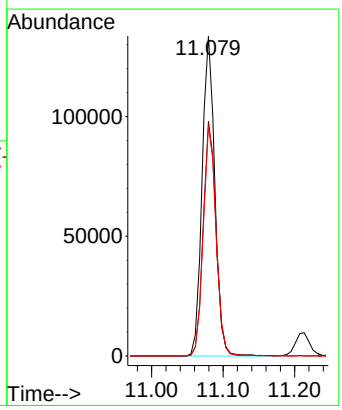
Reviewed By :John Carlone 08/14/2025
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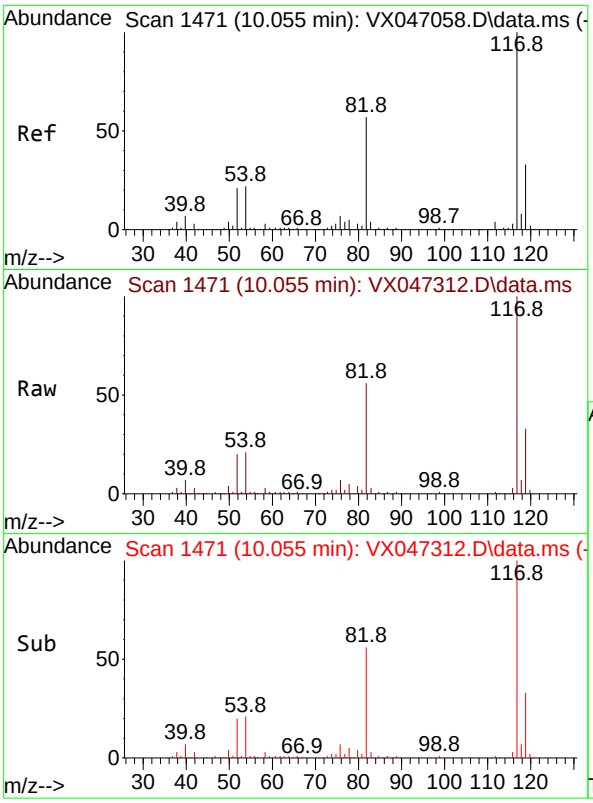


#62
4-Bromofluorobenzene
Concen: 54.374 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 95 Resp: 164675

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	144.6
176	72.3	0.0	139.6

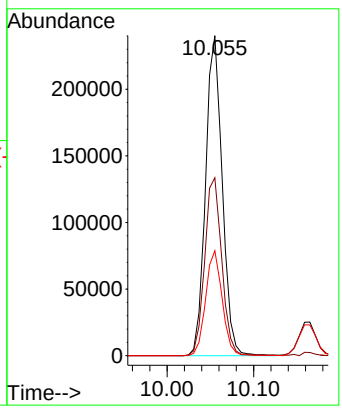




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:117 Resp: 32139

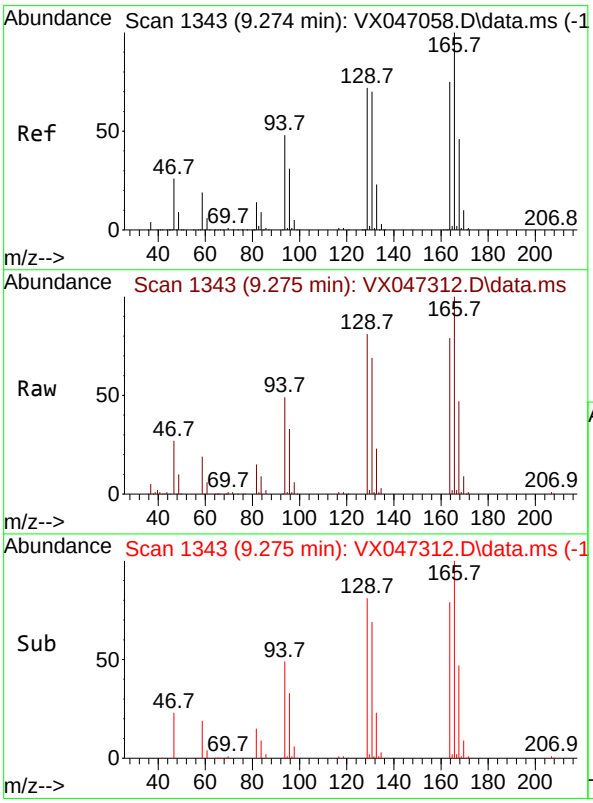
Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.4	68.2
119	32.8	26.1	39.1



Instrument :
MSVOA_X
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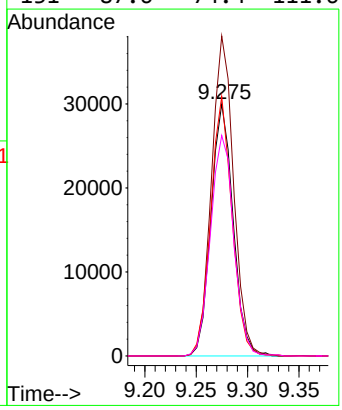
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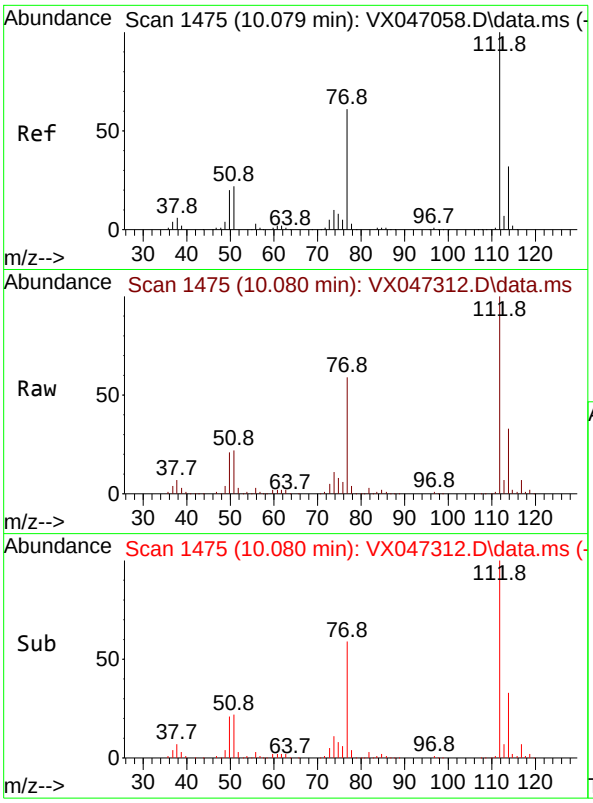


#64
Tetrachloroethene
Concen: 19.291 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:164 Resp: 44694

Ion	Ratio	Lower	Upper
164	100		
166	127.1	106.2	159.4
129	103.0	76.6	114.8
131	87.6	74.4	111.6

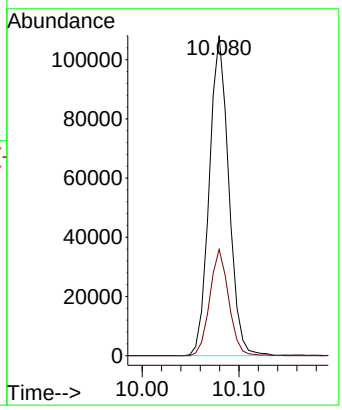




#65
Chlorobenzene
Concen: 20.093 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:112 Resp: 15128

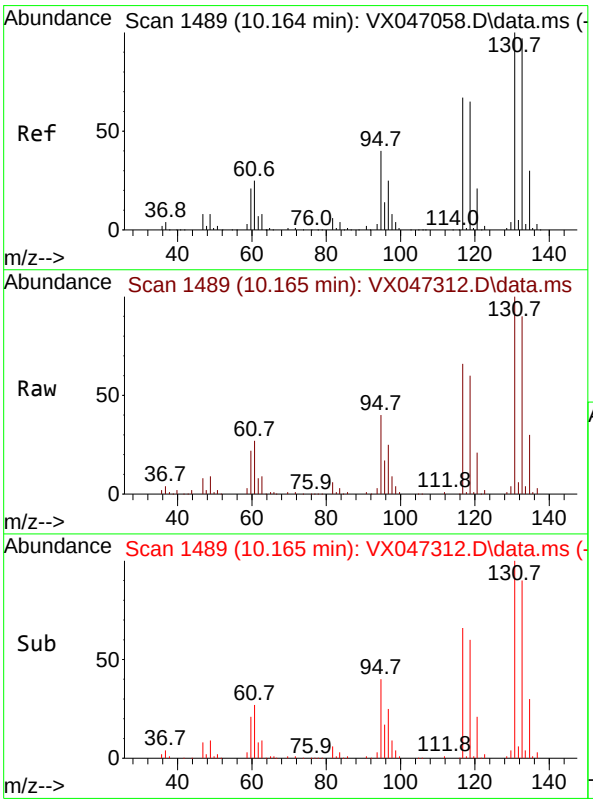
Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

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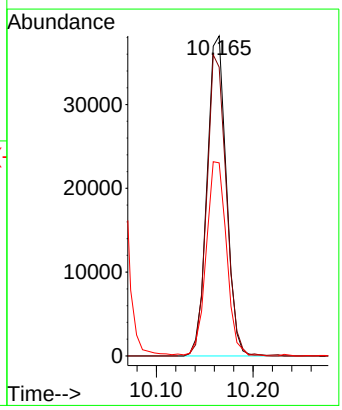
Reviewed By :John Carlone 08/14/2025
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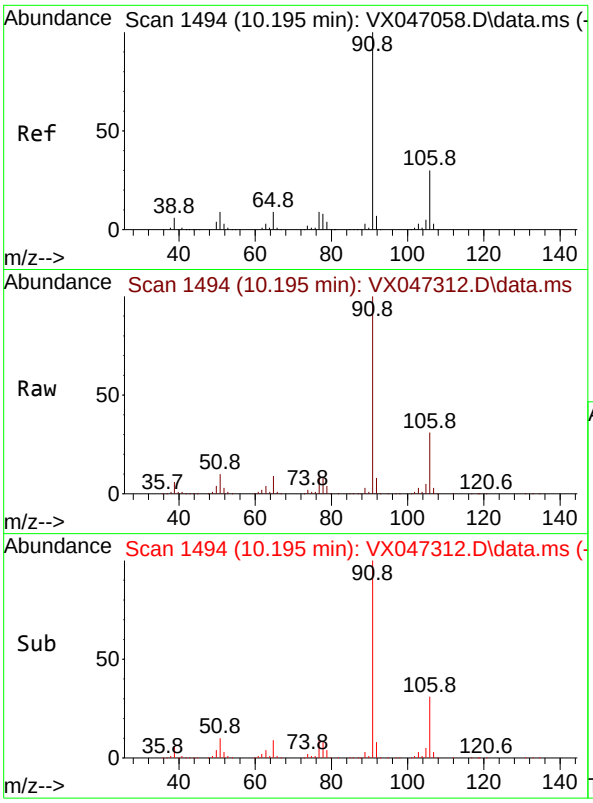


#66
1,1,1,2-Tetrachloroethane
Concen: 20.861 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:131 Resp: 52881

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.4	145.3
119	63.8	32.4	97.0





#67
Ethyl Benzene
Concen: 19.627 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

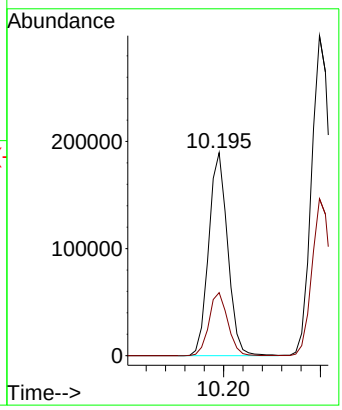
Tgt Ion: 91 Resp: 25837

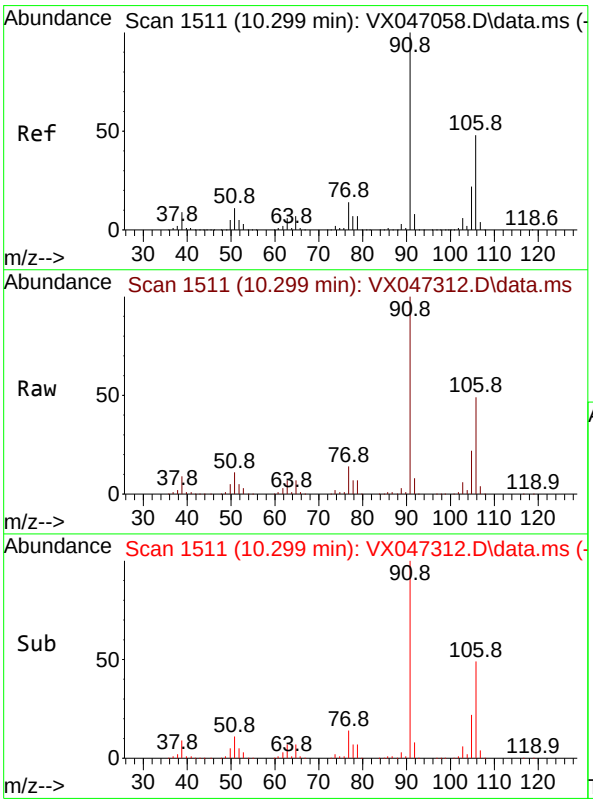
Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

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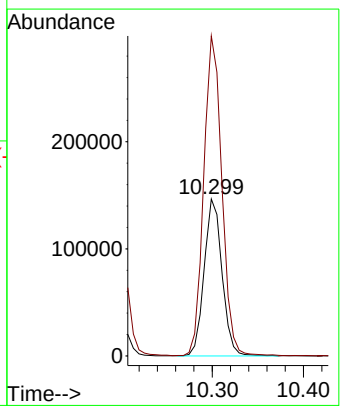


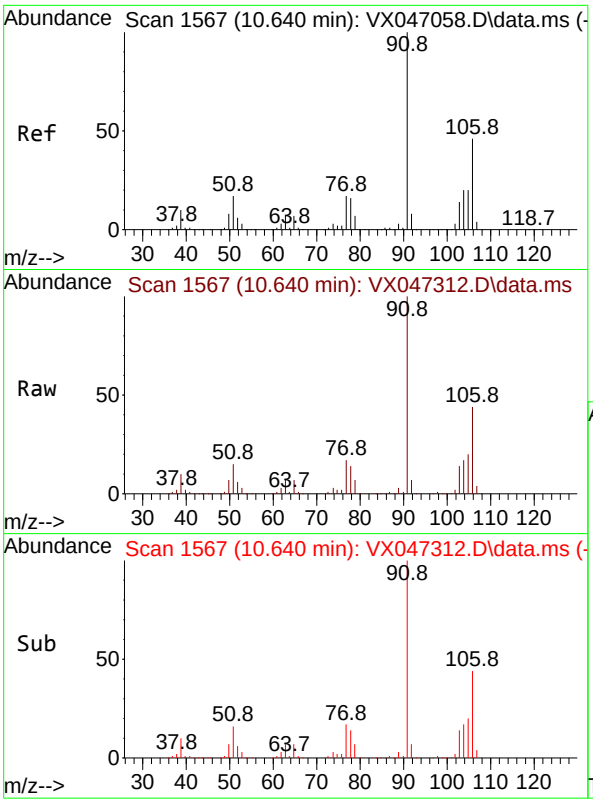


#68
m/p-Xylenes
Concen: 40.364 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:106 Resp: 198849

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.4	251.0

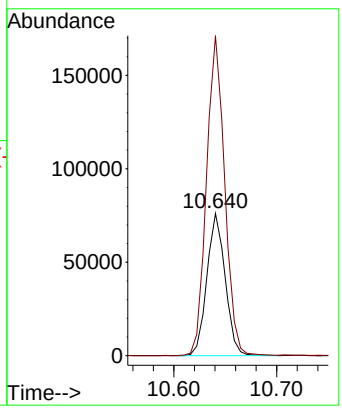




#69
o-Xylene
Concen: 20.141 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:106 Resp: 9439

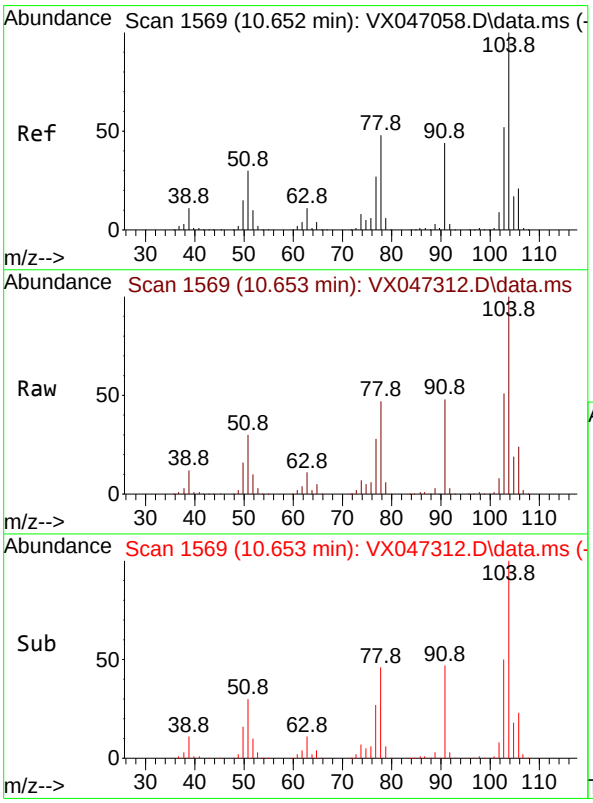
Ion	Ratio	Lower	Upper
106	100		
91	223.9	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

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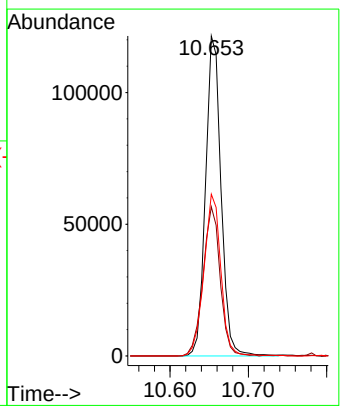
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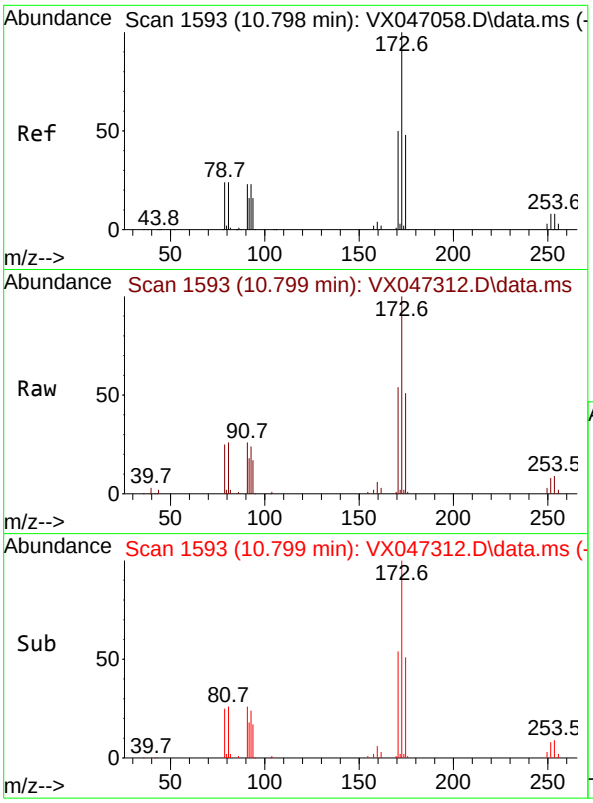


#70
Styrene
Concen: 20.739 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:104 Resp: 166666

Ion	Ratio	Lower	Upper
104	100		
78	51.6	42.0	63.0
103	55.3	43.8	65.6

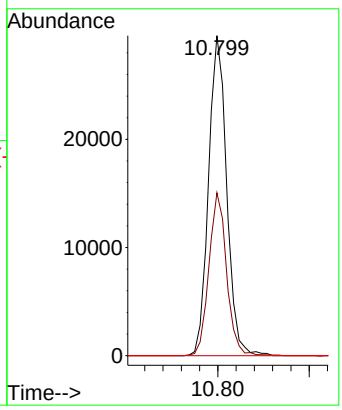




#71
Bromoform
Concen: 21.130 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

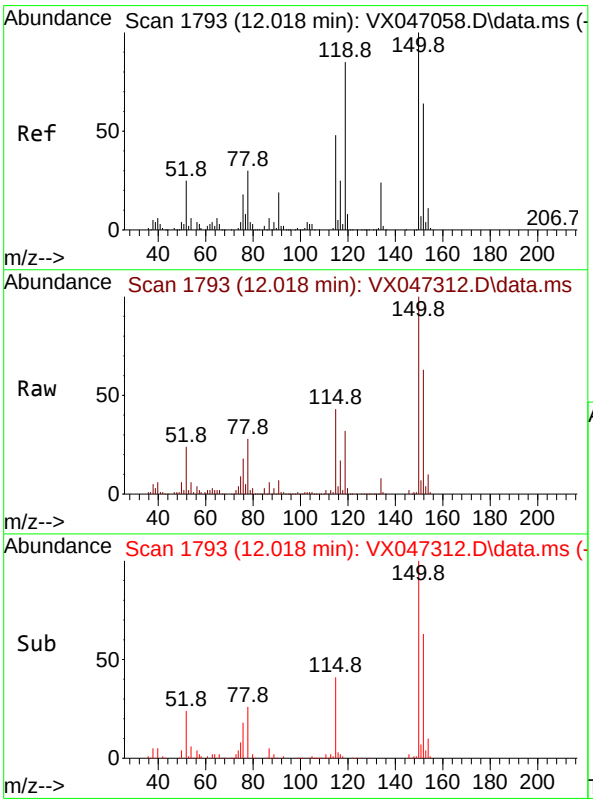
Tgt Ion:173 Resp: 4068

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.2	72.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

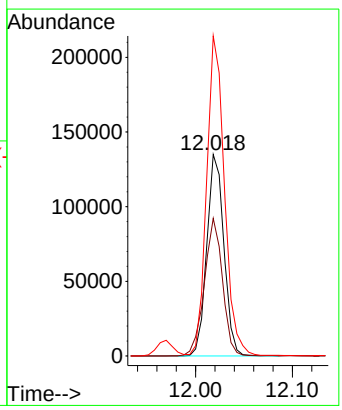
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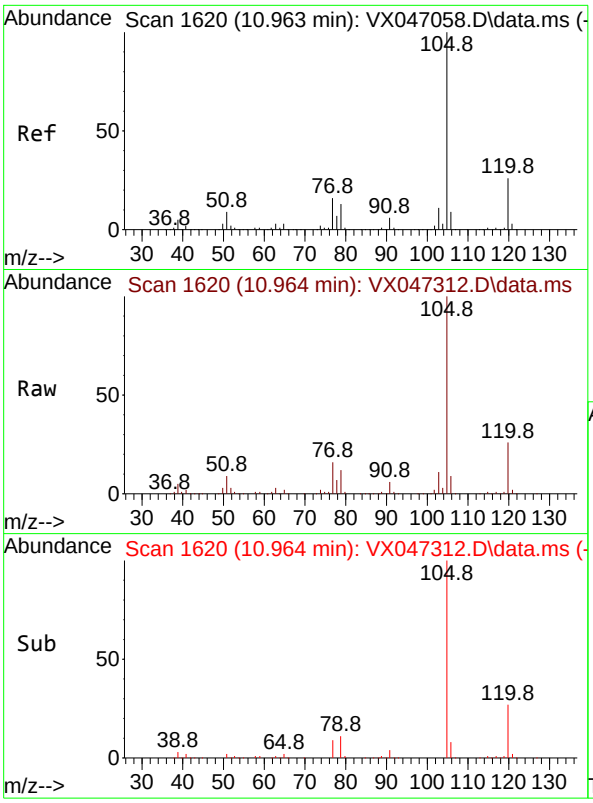


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:152 Resp: 166290

Ion	Ratio	Lower	Upper
152	100		
115	72.3	45.6	136.7
150	164.5	0.0	354.6

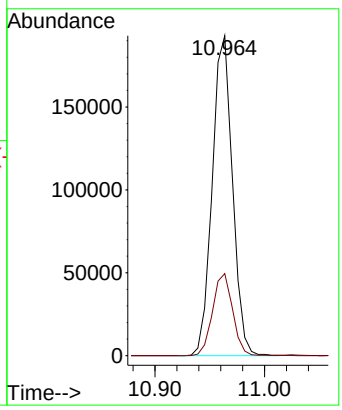




#73
Isopropylbenzene
Concen: 18.860 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:105 Resp: 24742

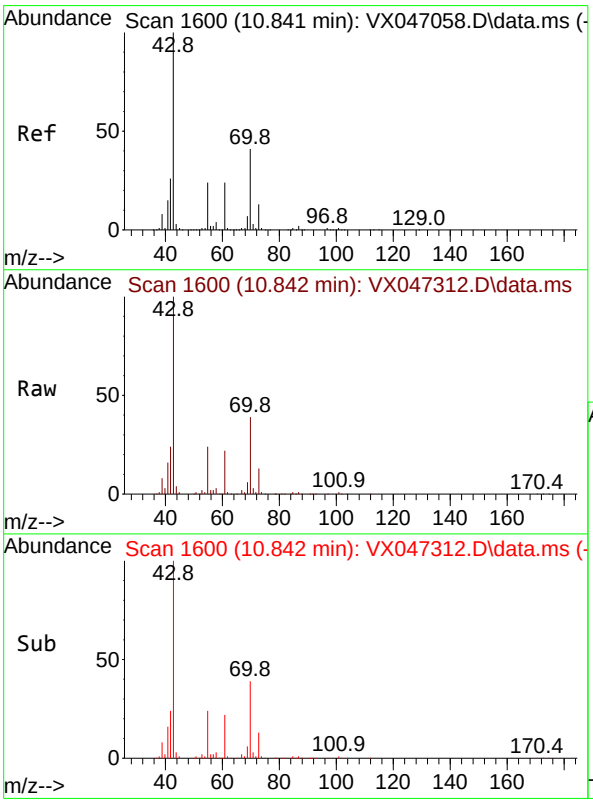
Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7



Instrument :
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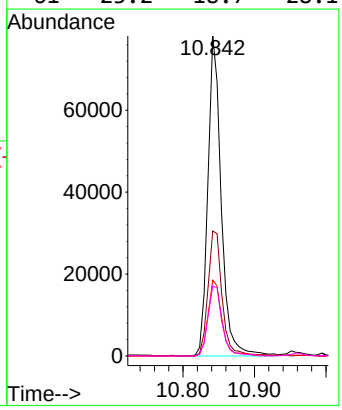
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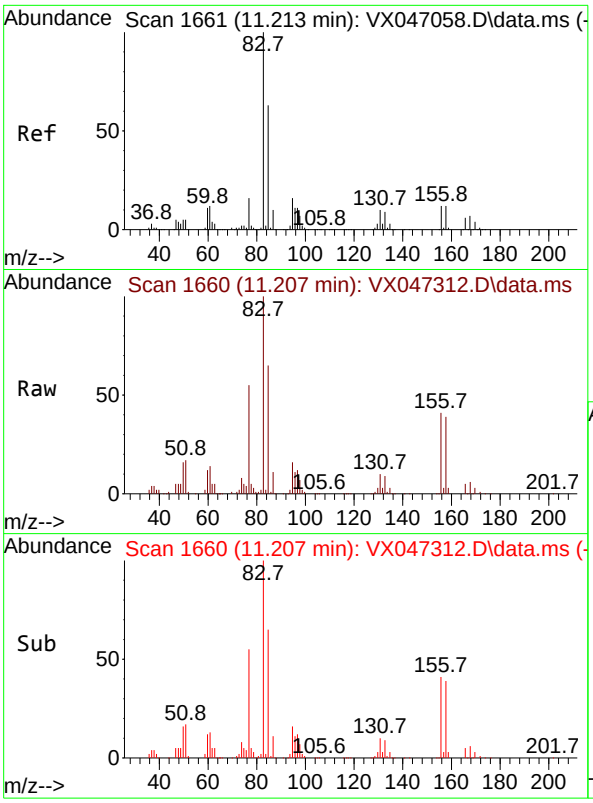


#74
N-amyl acetate
Concen: 19.236 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 43 Resp: 101822

Ion	Ratio	Lower	Upper
43	100		
70	41.3	32.3	48.5
55	24.6	18.9	28.3
61	23.2	18.7	28.1





#75
1,1,2,2-Tetrachloroethane
Concen: 21.261 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

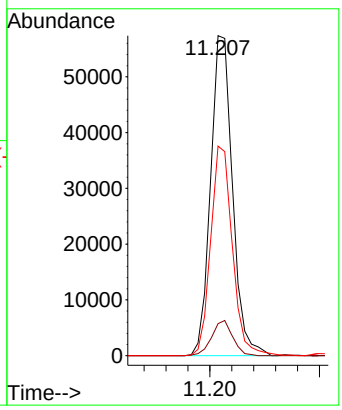
Tgt Ion: 83 Resp: 7967

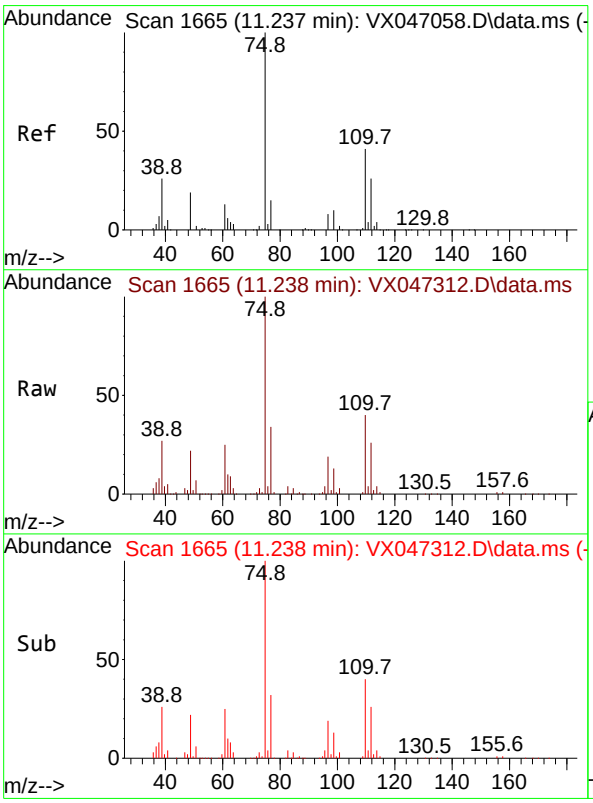
Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	14.9
85	64.9	32.0	96.2

Instrument :
MSVOA_X
ClientSampleId :
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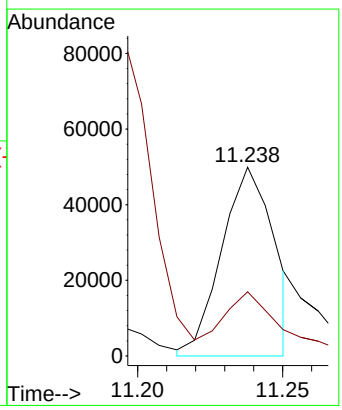


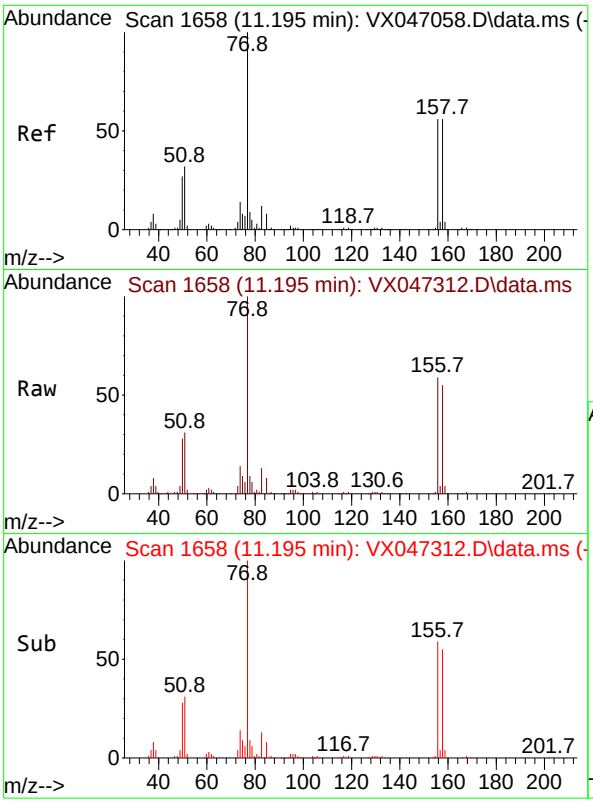


#76
1,2,3-Trichloropropane
Concen: 20.401 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 75 Resp: 62793

Ion	Ratio	Lower	Upper
75	100		
77	39.3	21.6	65.0

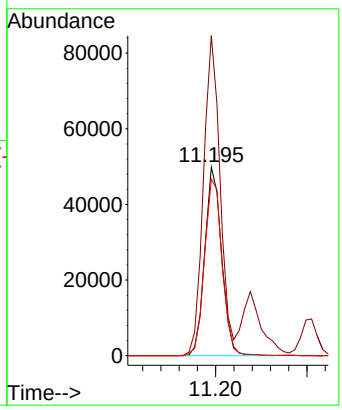




#77
Bromobenzene
Concen: 20.293 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

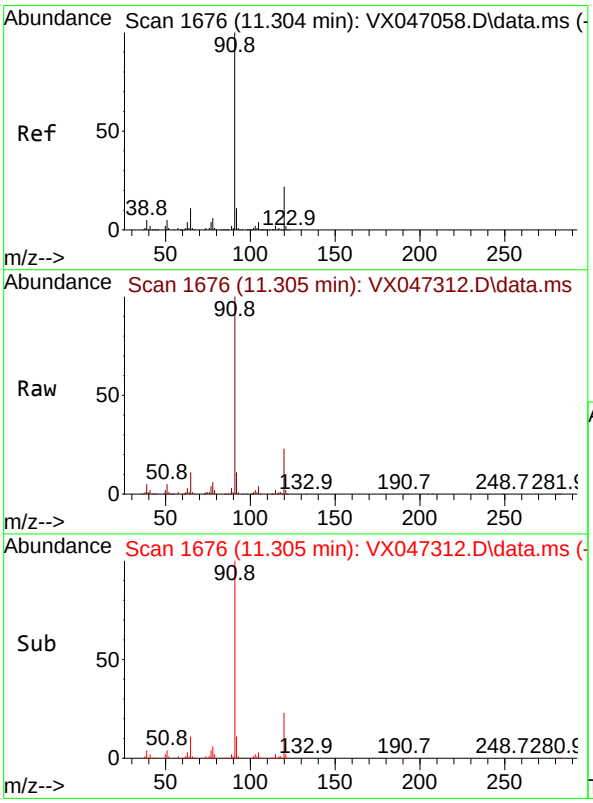
Tgt Ion:156 Resp: 6385

Ion	Ratio	Lower	Upper
156	100		
77	167.1	87.3	261.9
158	97.4	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

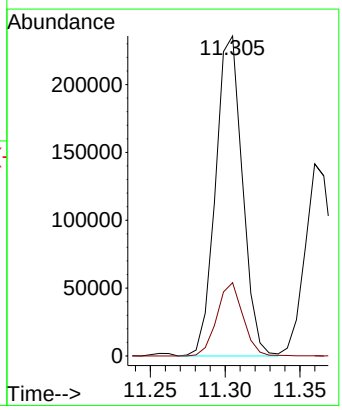
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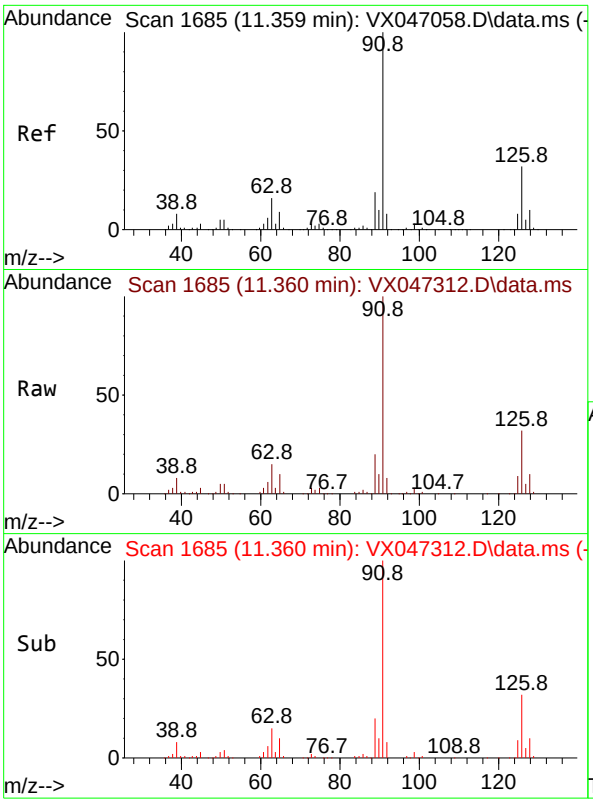


#78
n-propylbenzene
Concen: 18.808 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 91 Resp: 294861

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0

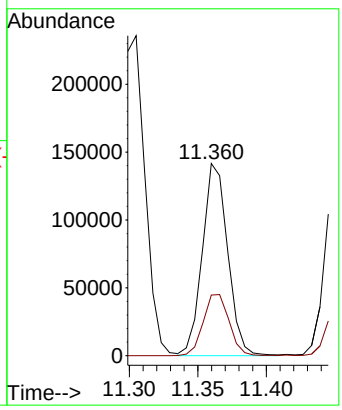




#79
2-Chlorotoluene
Concen: 19.469 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 91 Resp: 18245

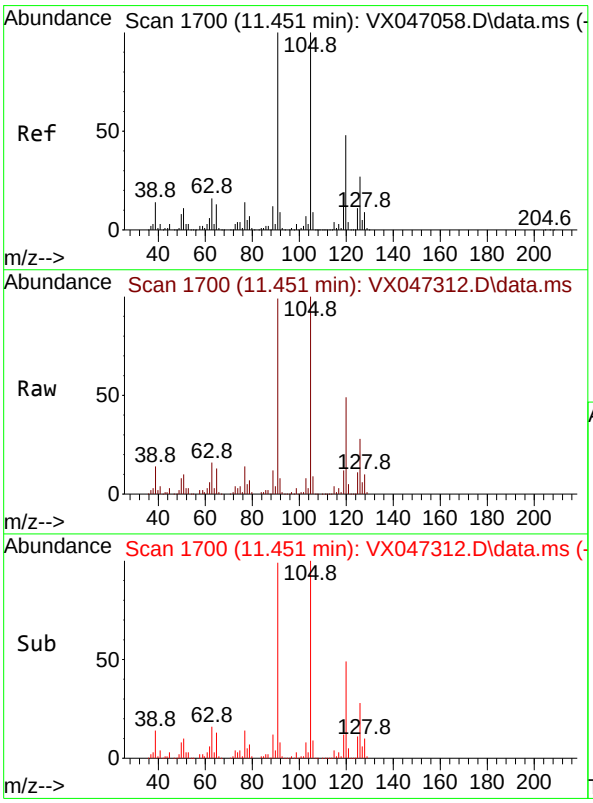
Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
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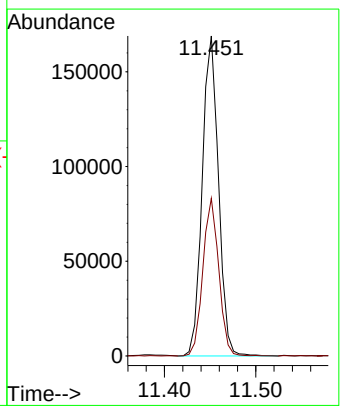
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

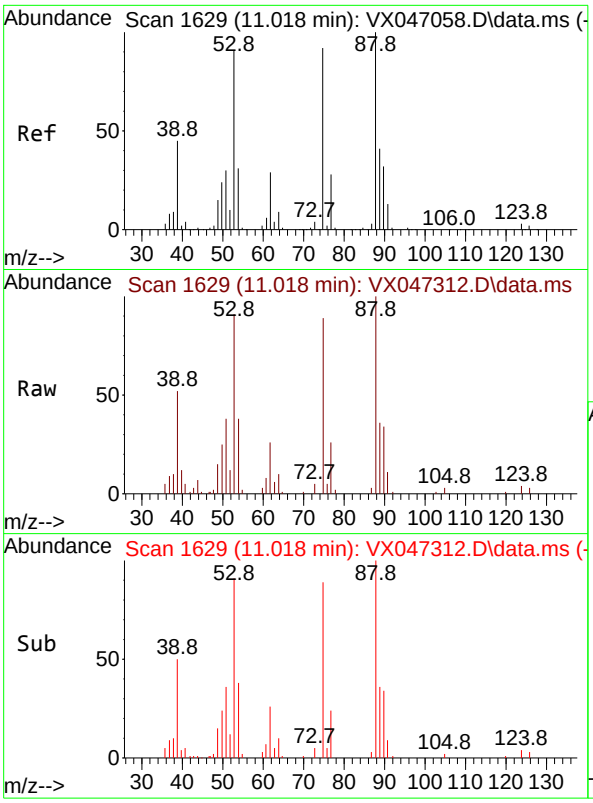


#80
1,3,5-Trimethylbenzene
Concen: 19.170 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:105 Resp: 207773

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.8	71.5

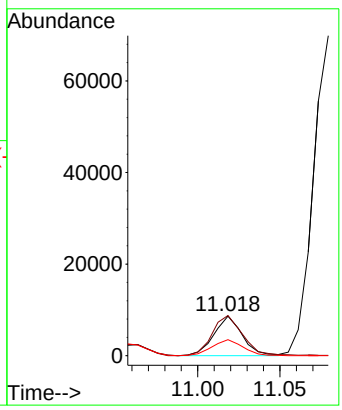




#81
trans-1,4-Dichloro-2-butene
Concen: 8.627 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

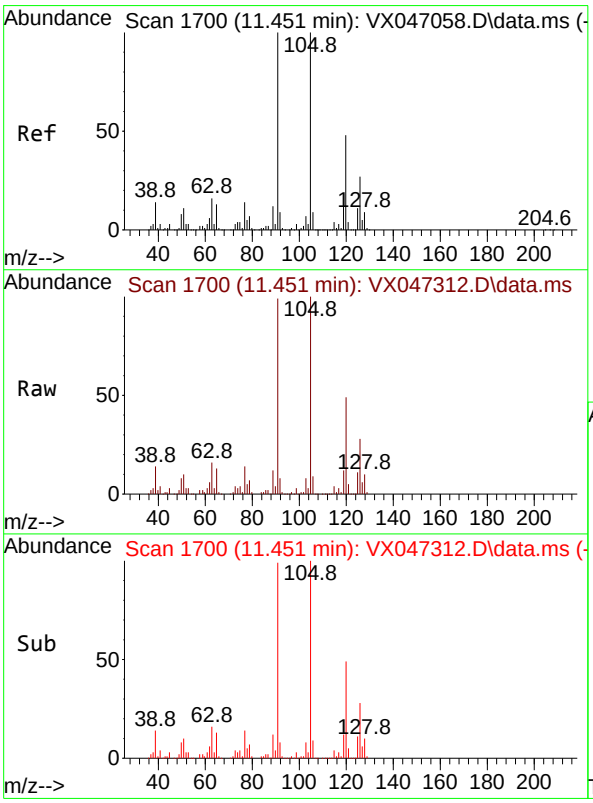
Tgt Ion: 75 Resp: 1030

Ion	Ratio	Lower	Upper
75	100		
53	111.2	84.2	126.4
89	44.2	36.0	54.0



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

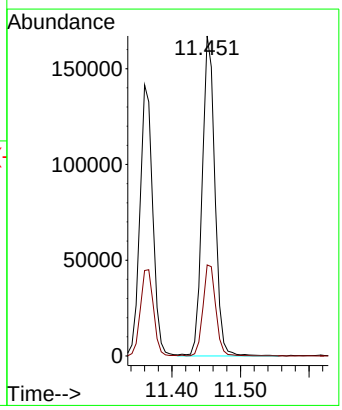
Manual Integrations
APPROVED
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

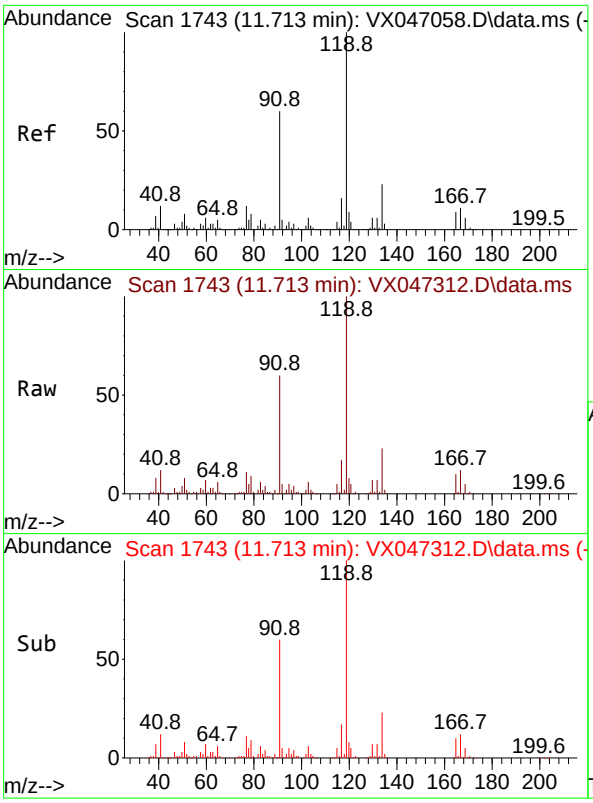


#82
4-Chlorotoluene
Concen: 19.738 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 91 Resp: 215901

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.1	42.3

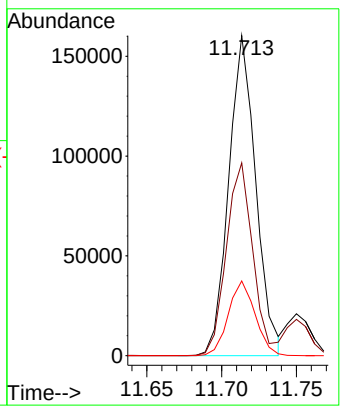




#83
tert-Butylbenzene
Concen: 18.575 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:119 Resp: 20206

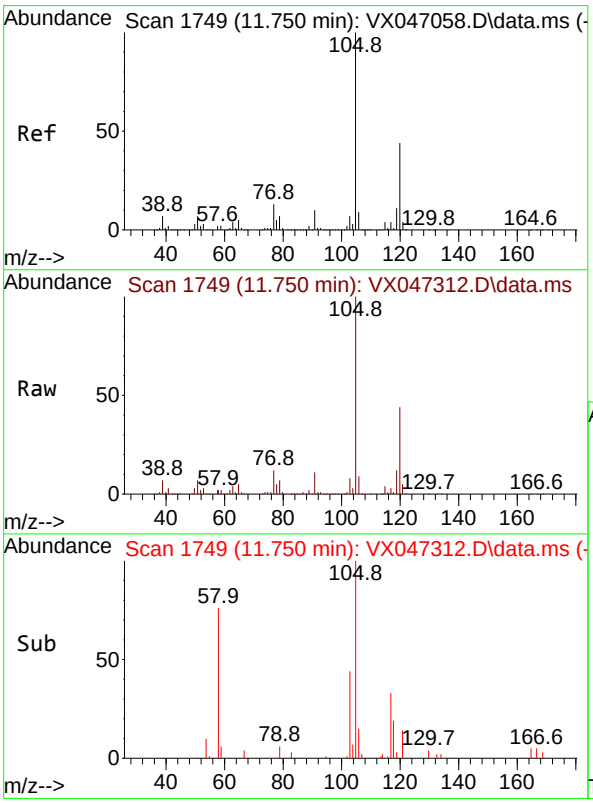
Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.6	88.8
134	23.2	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

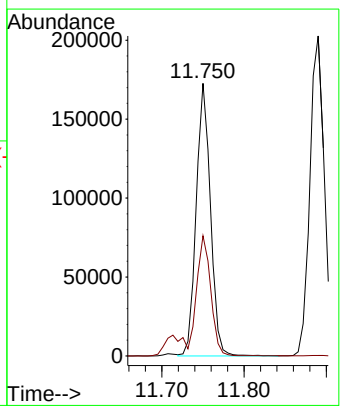
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

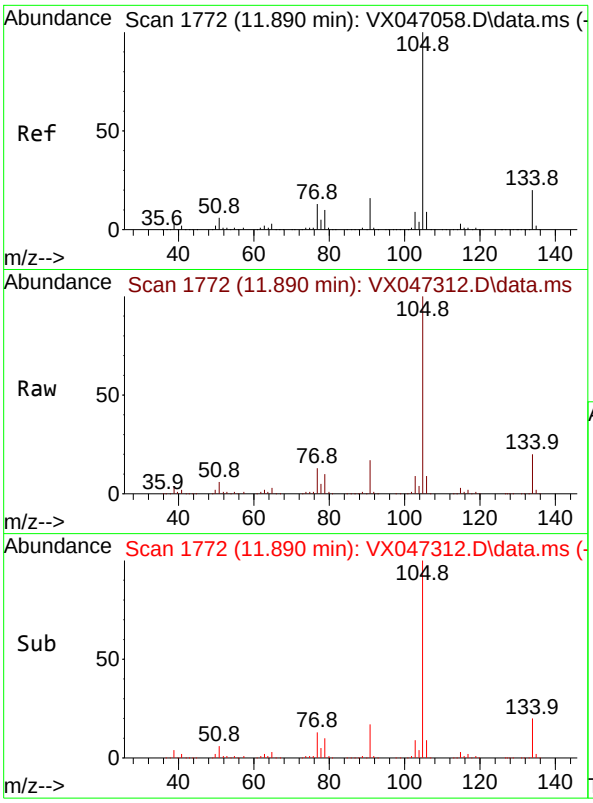


#84
1,2,4-Trimethylbenzene
Concen: 19.236 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:105 Resp: 207952

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.0	66.0

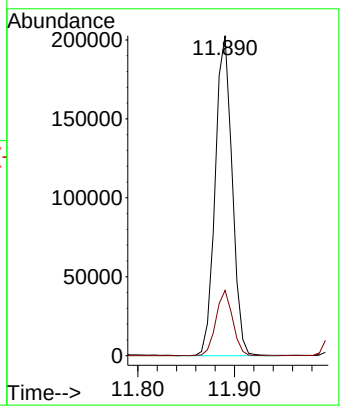




#85
sec-Butylbenzene
Concen: 18.146 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:105 Resp: 24664

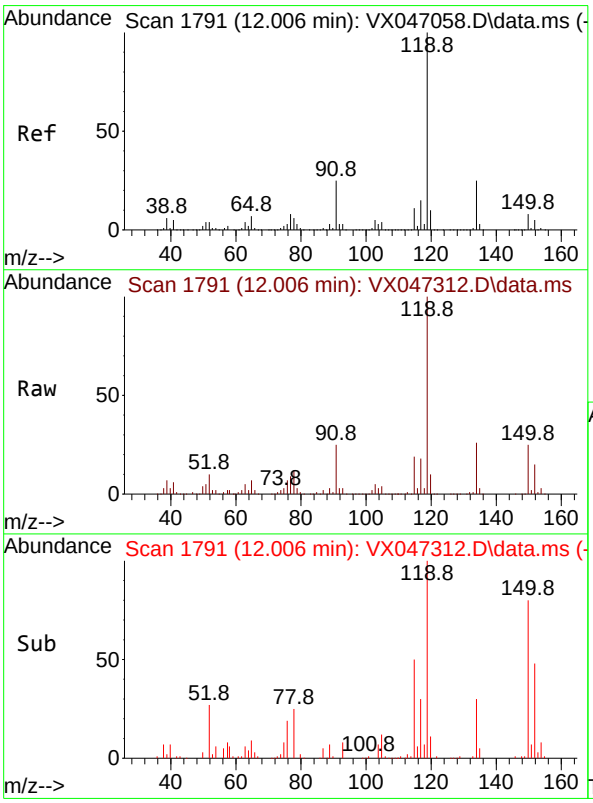
Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

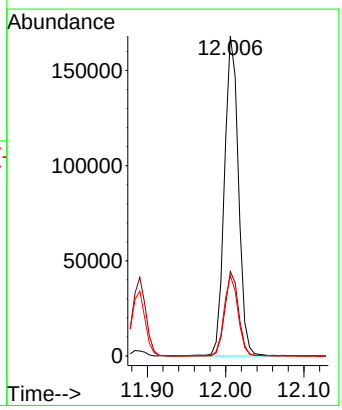
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

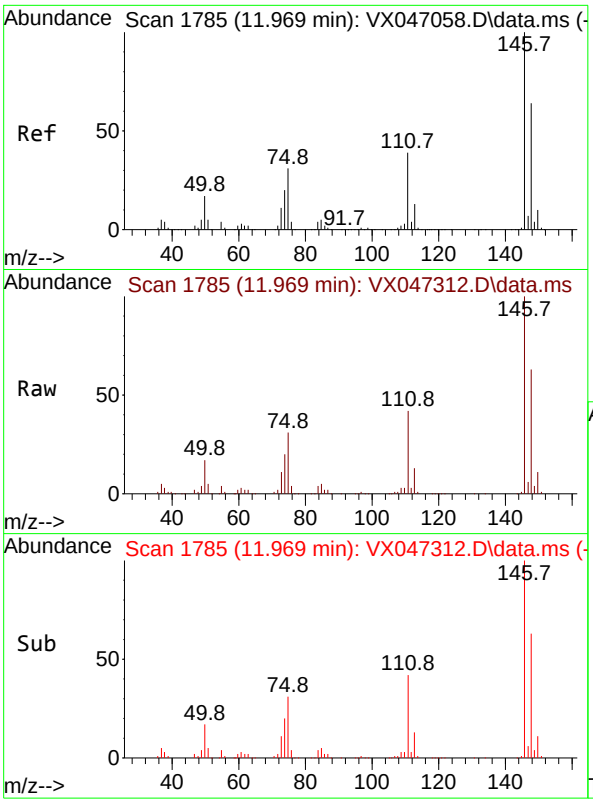


#86
p-Isopropyltoluene
Concen: 18.597 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:119 Resp: 209624

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	24.9	12.4	37.4

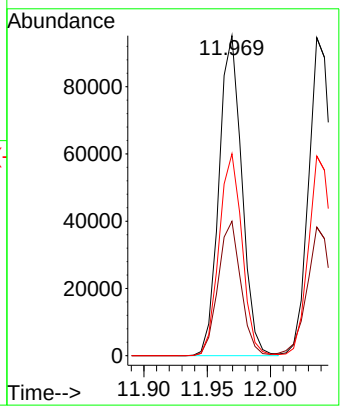




#87
1,3-Dichlorobenzene
Concen: 19.976 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:146 Resp: 11943

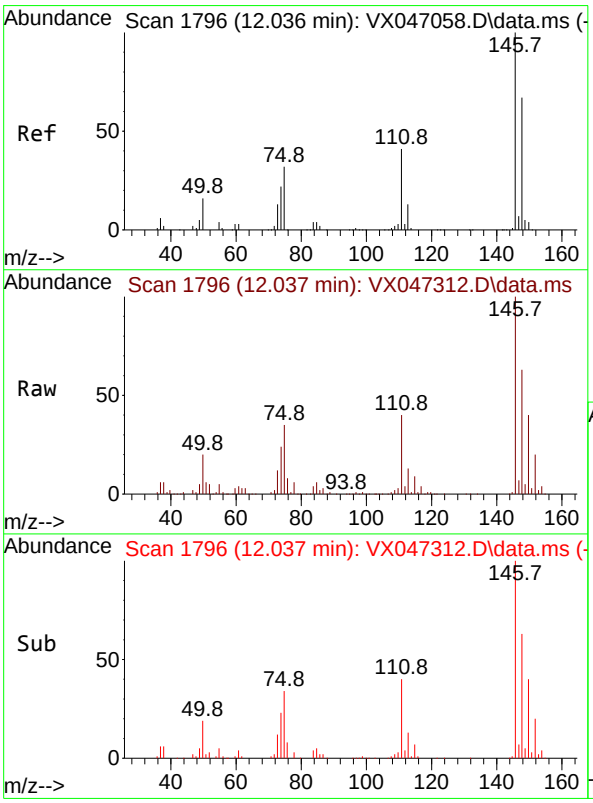
Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.0	63.0
148	63.6	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations APPROVED

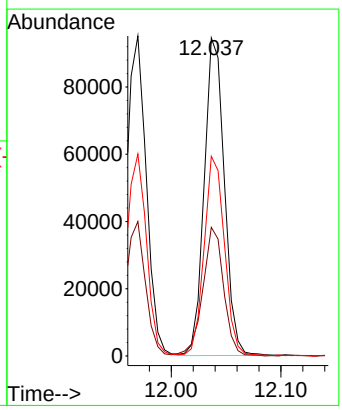
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

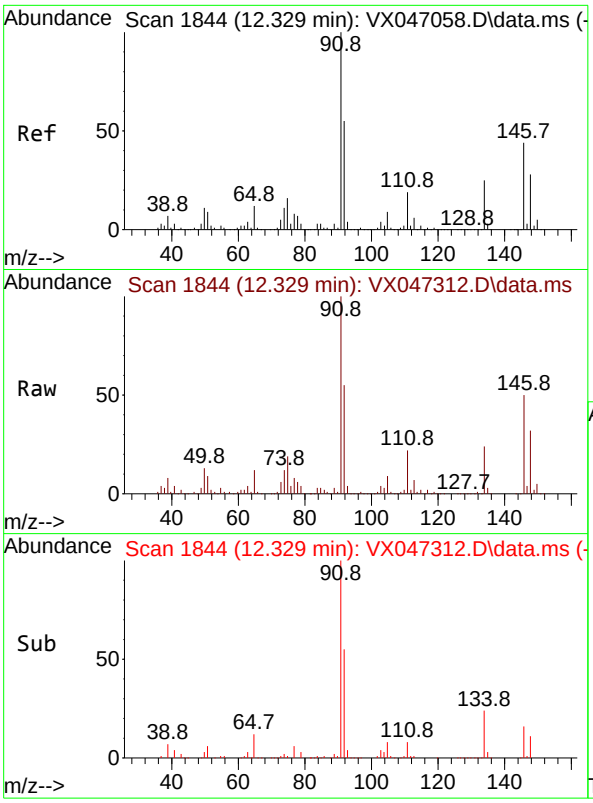


#88
1,4-Dichlorobenzene
Concen: 19.938 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:146 Resp: 120773

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.6	61.9
148	63.5	33.0	98.9

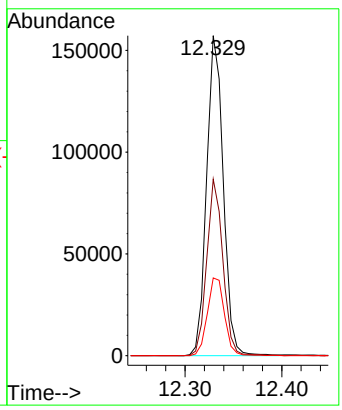




#89
n-Butylbenzene
Concen: 17.823 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 91 Resp: 18839

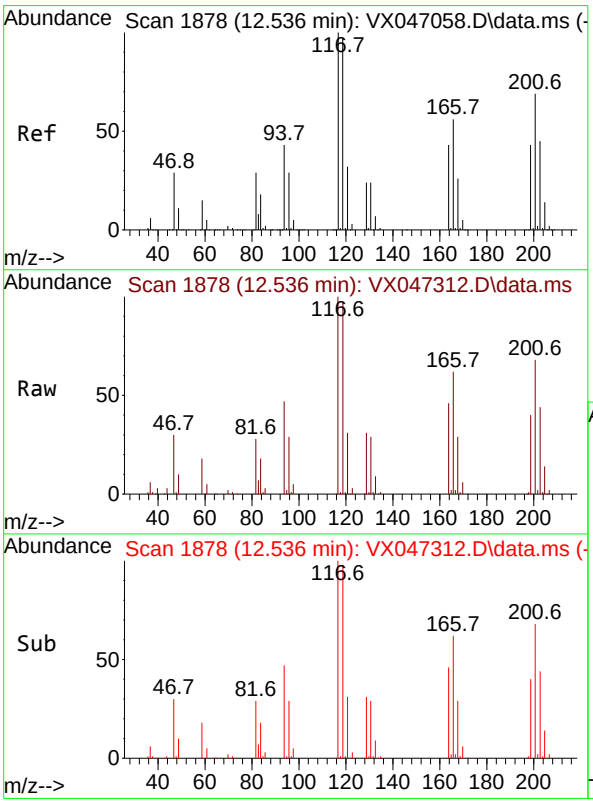
Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.5	82.5
134	25.1	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

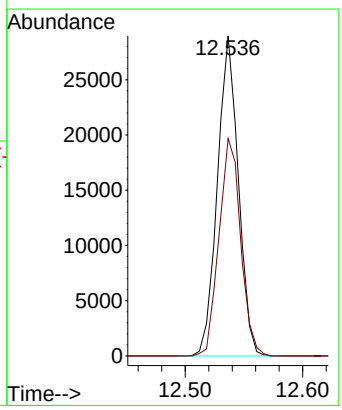
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

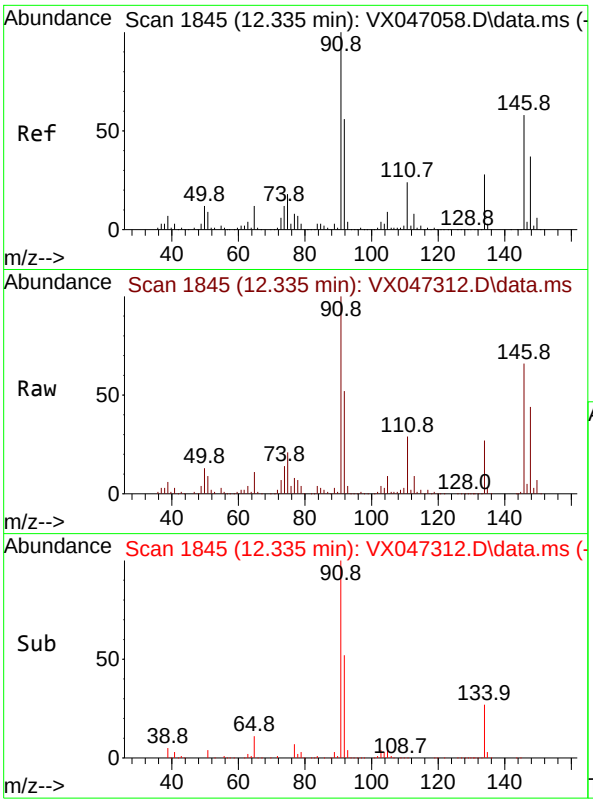


#90
Hexachloroethane
Concen: 17.786 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:117 Resp: 35864

Ion	Ratio	Lower	Upper
117	100		
201	70.3	34.8	104.5

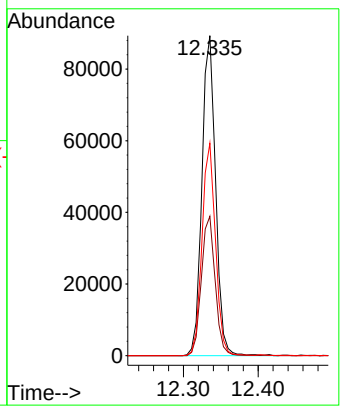




#91
1,2-Dichlorobenzene
Concen: 19.835 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:146 Resp: 11334

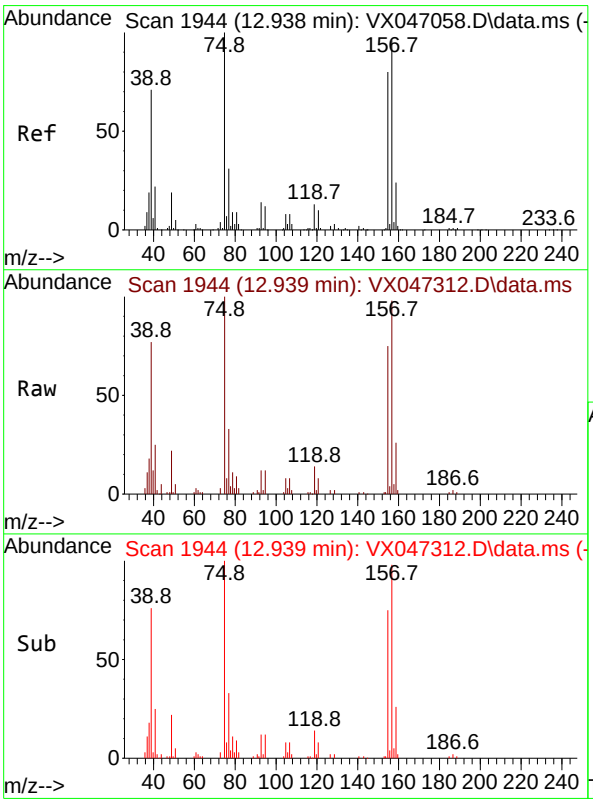
Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	65.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

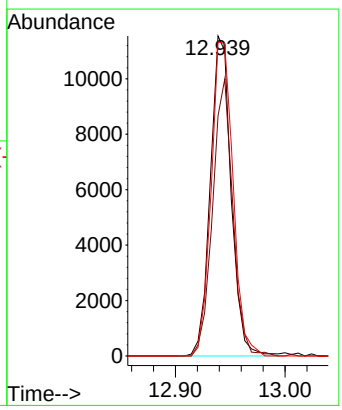
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

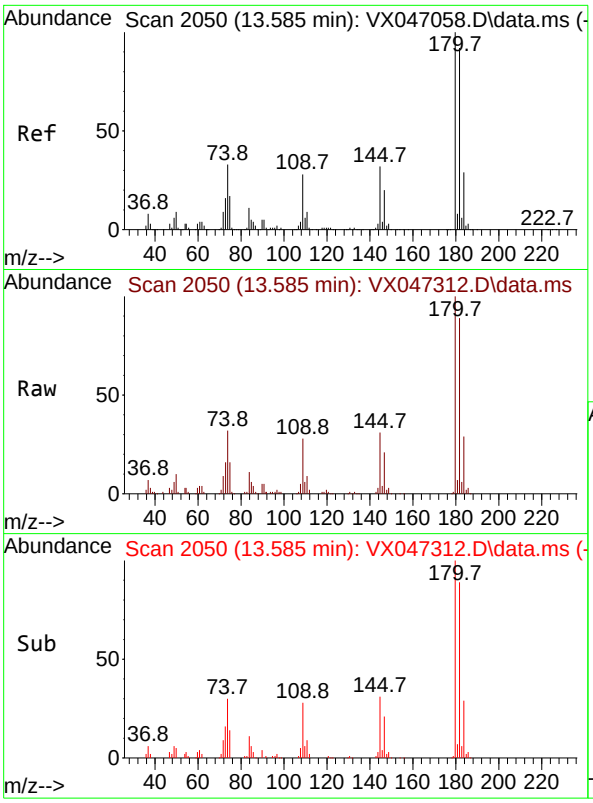


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.136 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 75 Resp: 15204

Ion	Ratio	Lower	Upper
75	100		
155	84.2	41.3	124.1
157	103.1	52.8	158.3

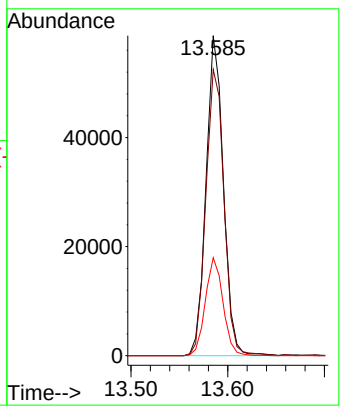




#93
1,2,4-Trichlorobenzene
Concen: 19.391 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:180 Resp: 7321

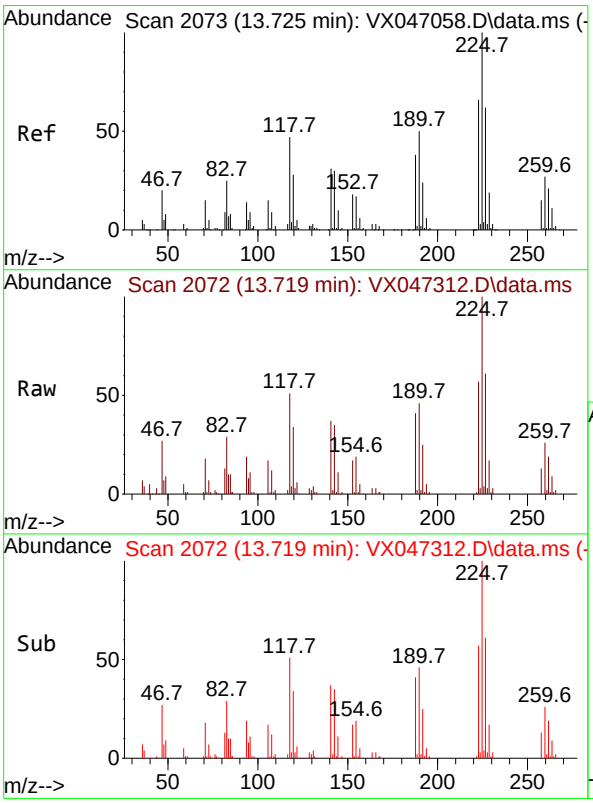
Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	141.8
145	31.2	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
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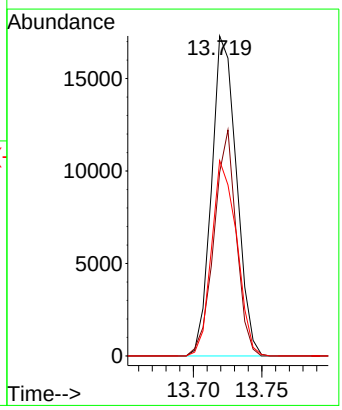
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025

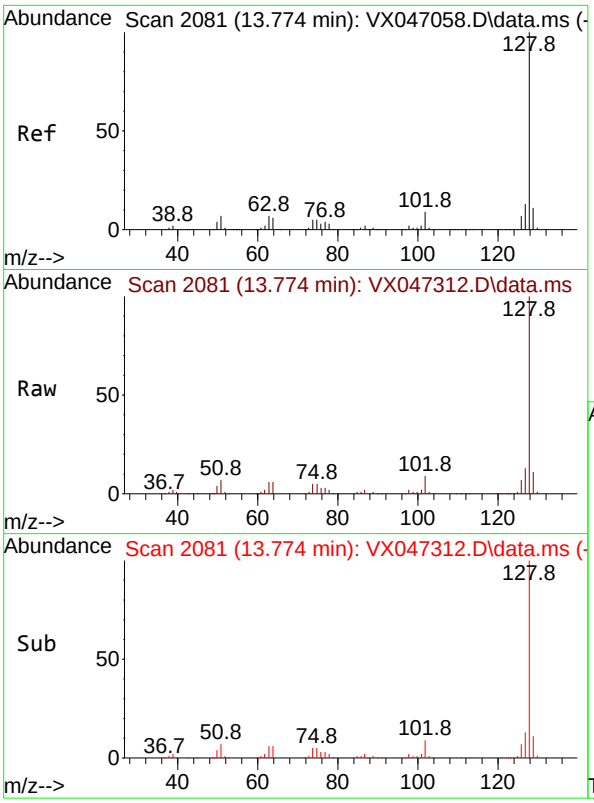


#94
Hexachlorobutadiene
Concen: 17.048 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:225 Resp: 21890

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.6	95.0
227	61.5	32.9	98.6

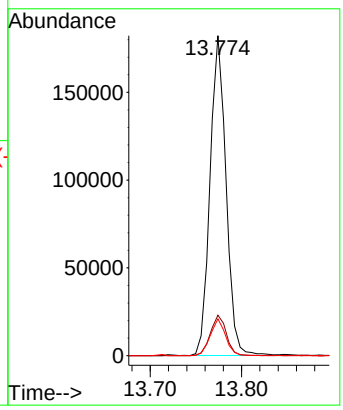




#95
Naphthalene
Concen: 19.981 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:128 Resp: 22115

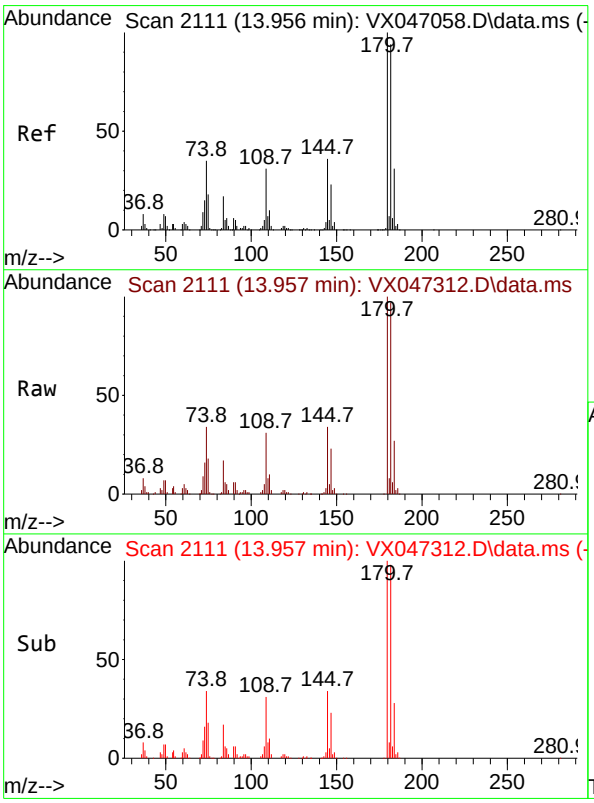
Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.1	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Manual Integrations
APPROVED

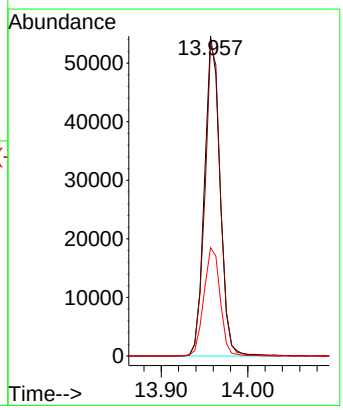
Reviewed By :John Carlone 08/14/2025
Supervised By :Mahesh Dadoda 08/18/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.614 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:180 Resp: 67706

Ion	Ratio	Lower	Upper
180	100		
182	97.6	46.9	140.6
145	35.6	17.3	52.0



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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0814WBS02	SDG No.:	Q2814
Lab Sample ID:	VX0814WBS02	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
VX047342.D	1	08/14/25 16:15	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	17.2		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	16.4		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	17.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	15.6		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	16.9		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.2		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.23	0.75	1.00	ug/L
67-64-1	Acetone	120		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	16.2		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.7		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	24.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.3		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.1		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.1		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	16.1		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	16.9		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	21.1		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	19.9		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.5		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	14.9		0.16	0.50	1.00	ug/L
71-43-2	Benzene	18.5		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.7		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	17.7		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.6		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.1		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.0		0.14	0.50	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:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0814WBS02	SDG No.:	Q2814
Lab Sample ID:	VX0814WBS02	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
VX047342.D	1	08/14/25 16:15	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.1		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.3		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	120		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	20.2		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.8		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	16.9		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	18.4		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	17.9		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	36.4		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	18.2		0.12	0.50	1.00	ug/L
100-42-5	Styrene	18.9		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.4		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	17.6		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.5		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.6		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.6		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.6		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.4		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.1		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.2		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	56.5		81 - 118		113%	SPK: 50
1868-53-7	Dibromofluoromethane	57.6		80 - 119		115%	SPK: 50
2037-26-5	Toluene-d8	47.9		89 - 112		96%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.2		85 - 114		112%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	221000	5.556				
540-36-3	1,4-Difluorobenzene	392000	6.763				
3114-55-4	Chlorobenzene-d5	359000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	182000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0814WBS02	SDG No.:	Q2814
Lab Sample ID:	VX0814WBS02	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
VX047342.D	1	08/14/25 16:15	VX081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081425\
Data File : VX047342.D
Acq On : 14 Aug 2025 16:15
Operator : JC/MD
Sample : VX0814WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 01:29:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

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)
Internal Standards						
1) Pentafluorobenzene	5.556	168	220703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	392445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	359167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	182232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155411	56.528	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.060%			
35) Dibromofluoromethane	5.397	113	139473	57.560	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.120%			
50) Toluene-d8	8.647	98	376237	47.946	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.900%			
62) 4-Bromofluorobenzene	11.079	95	189921	56.162	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	50487	17.222	ug/l	94
3) Chloromethane	1.313	50	47488	16.376	ug/l	96
4) Vinyl Chloride	1.392	62	54561	17.504	ug/l	93
5) Bromomethane	1.630	94	26489	15.644	ug/l	88
6) Chloroethane	1.703	64	34546	16.874	ug/l	97
7) Trichlorofluoromethane	1.904	101	79728	17.153	ug/l	98
8) Diethyl Ether	2.142	74	32382	19.759	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	48062	17.163	ug/l	99
10) Methyl Iodide	2.471	142	75979	26.622	ug/l	99
11) Tert butyl alcohol	2.959	59	31536	91.608	ug/l	100
12) 1,1-Dichloroethene	2.337	96	48929	17.641	ug/l	98
13) Acrolein	2.245	56	68415	115.573	ug/l	99
14) Allyl chloride	2.678	41	88713	17.694	ug/l	98
15) Acrylonitrile	3.081	53	141609	108.000	ug/l	98
16) Acetone	2.392	43	135173	122.733	ug/l	99
17) Carbon Disulfide	2.526	76	130111	16.215	ug/l	99
18) Methyl Acetate	2.715	43	70167	23.974	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	174379	20.658	ug/l	96
20) Methylene Chloride	2.800	84	58560	19.327	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	54348	19.148	ug/l	99
22) Diisopropyl ether	3.770	45	194124	20.139	ug/l	99
23) Vinyl Acetate	3.733	43	793796	102.672	ug/l	100
24) 1,1-Dichloroethane	3.623	63	102478	19.118	ug/l	99
25) 2-Butanone	4.568	43	176337	109.958	ug/l	95
26) 2,2-Dichloropropane	4.495	77	78981	19.035	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	65665	19.537	ug/l	99
28) Bromochloromethane	4.910	49	52005	21.089	ug/l	99
29) Tetrahydrofuran	5.025	42	105256	101.725	ug/l	96
30) Chloroform	5.105	83	108844	19.948	ug/l	97
31) Cyclohexane	5.483	56	82946	16.139	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	87698	18.505	ug/l	99
36) 1,1-Dichloropropene	5.696	75	67873	16.433	ug/l	98
37) Ethyl Acetate	4.727	43	71799	18.865	ug/l	100
38) Carbon Tetrachloride	5.684	117	74651	16.934	ug/l	95
39) Methylcyclohexane	7.385	83	76855	14.903	ug/l	97
40) Benzene	6.043	78	221348	18.518	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047342.D
Acq On : 14 Aug 2025 16:15
Operator : JC/MD
Sample : VX0814WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 01:29:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

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	4.934	41	37500	18.844 ug/l #	94
42) 1,2-Dichloroethane	6.092	62	83140	19.745 ug/l	99
43) Isopropyl Acetate	6.348	43	121628	20.499 ug/l	99
44) Trichloroethene	7.129	130	54121	17.657 ug/l	98
45) 1,2-Dichloropropane	7.433	63	55635	18.583 ug/l	99
46) Dibromomethane	7.586	93	41484	19.760 ug/l	97
47) Bromodichloromethane	7.824	83	85219	19.071 ug/l	93
48) Methyl methacrylate	7.696	41	62741	19.411 ug/l	99
49) 1,4-Dioxane	7.683	88	12952	352.310 ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	377908	107.156 ug/l	99
52) Toluene	8.720	92	139529	18.984 ug/l	98
53) t-1,3-Dichloropropene	8.982	75	76457	18.119 ug/l	95
54) cis-1,3-Dichloropropene	8.366	75	84351	18.264 ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	56007	20.319 ug/l	99
56) Ethyl methacrylate	9.116	69	82151	20.132 ug/l	98
57) 1,3-Dichloropropane	9.305	76	97772	20.410 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	178926	78.797 ug/l	99
59) 2-Hexanone	9.433	43	269134	115.507 ug/l	100
60) Dibromochloromethane	9.518	129	65177	20.162 ug/l	99
61) 1,2-Dibromoethane	9.610	107	56986	19.772 ug/l	98
64) Tetrachloroethene	9.275	164	43853	16.937 ug/l	96
65) Chlorobenzene	10.079	112	155100	18.433 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.165	131	52547	18.549 ug/l	99
67) Ethyl Benzene	10.195	91	263929	17.940 ug/l	98
68) m/p-Xylenes	10.299	106	200119	36.350 ug/l	99
69) o-Xylene	10.640	106	95502	18.235 ug/l	98
70) Styrene	10.652	104	169951	18.924 ug/l	99
71) Bromoform	10.799	173	41762	19.407 ug/l #	100
73) Isopropylbenzene	10.963	105	252611	17.571 ug/l	100
74) N-amyl acetate	10.841	43	106383	18.339 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	84148	20.490 ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	63847m	18.929 ug/l	
77) Bromobenzene	11.195	156	65650	19.038 ug/l	95
78) n-propylbenzene	11.305	91	300287	17.479 ug/l	98
79) 2-Chlorotoluene	11.366	91	182362	17.757 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	211824	17.834 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	9359	7.149 ug/l	88
82) 4-Chlorotoluene	11.451	91	217124	18.113 ug/l	98
83) tert-Butylbenzene	11.713	119	208282	17.471 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	212939	17.974 ug/l	99
85) sec-Butylbenzene	11.890	105	256279	17.205 ug/l	100
86) p-Isopropyltoluene	12.006	119	217017	17.569 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	121700	18.574 ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	123336	18.580 ug/l	99
89) n-Butylbenzene	12.329	91	197544	17.053 ug/l	99
90) Hexachloroethane	12.536	117	36692	16.604 ug/l	99
91) 1,2-Dichlorobenzene	12.335	146	116591	18.618 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16081	20.400 ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	74955	18.116 ug/l	97
94) Hexachlorobutadiene	13.719	225	24213	17.208 ug/l	99
95) Naphthalene	13.774	128	235518	19.417 ug/l	99
96) 1,2,3-Trichlorobenzene	13.957	180	72465	18.180 ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047342.D
Acq On : 14 Aug 2025 16:15
Operator : JC/MD
Sample : VX0814WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 18 01:29:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

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)

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

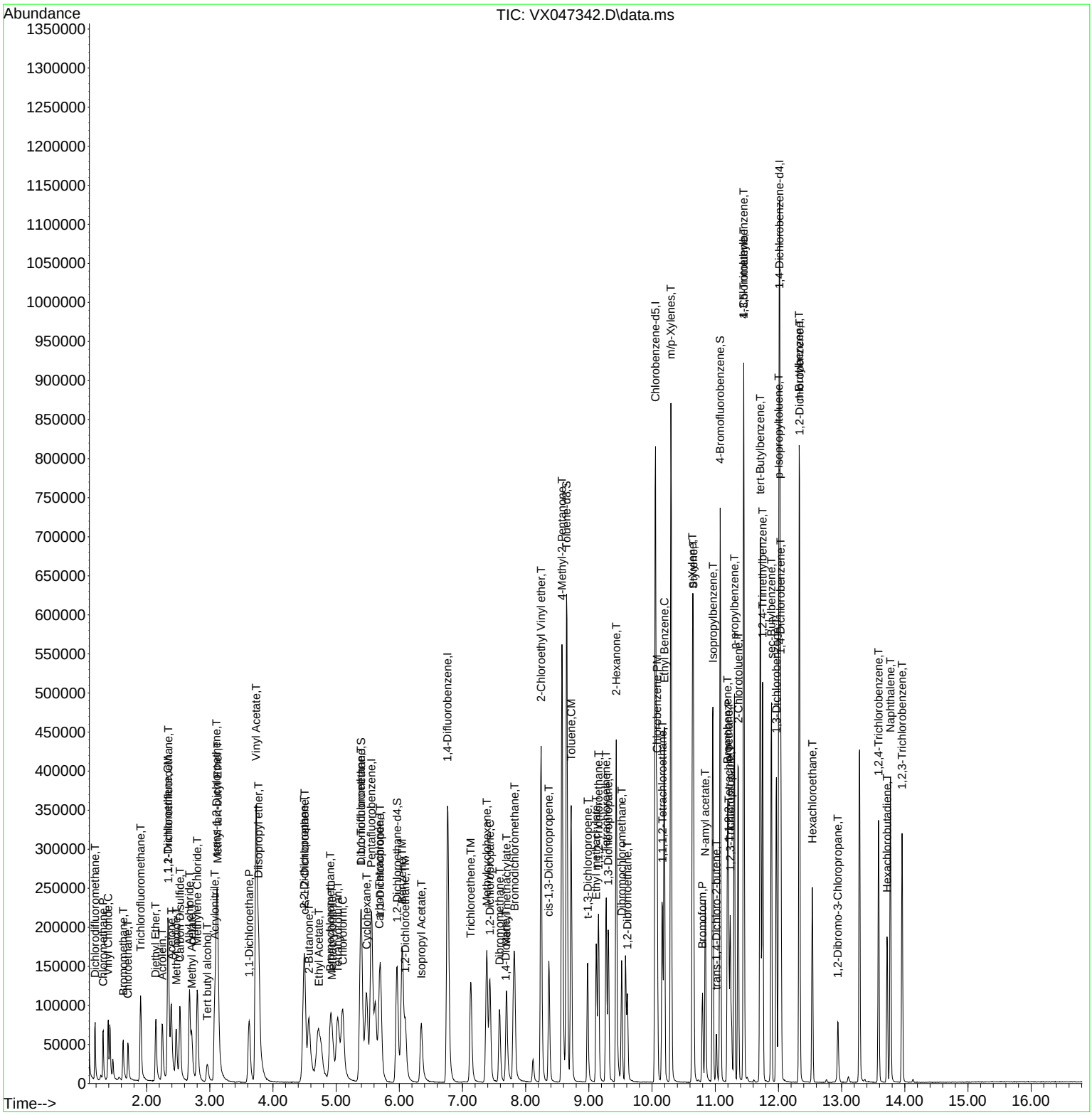
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Data File : VX047342.D
Acq On : 14 Aug 2025 16:15
Operator : JC/MD
Sample : VX0814WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

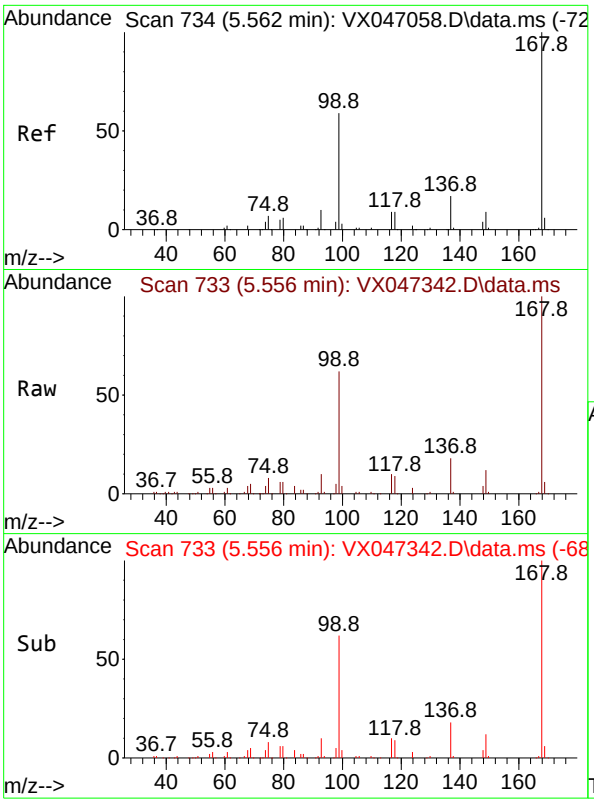
Quant Time: Aug 18 01:29:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

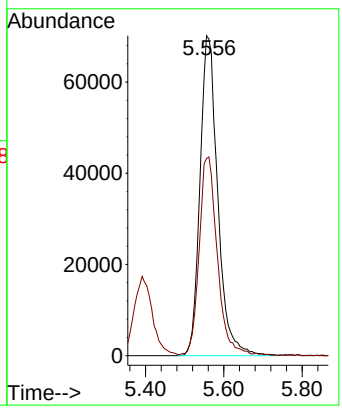




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:168 Resp: 22070

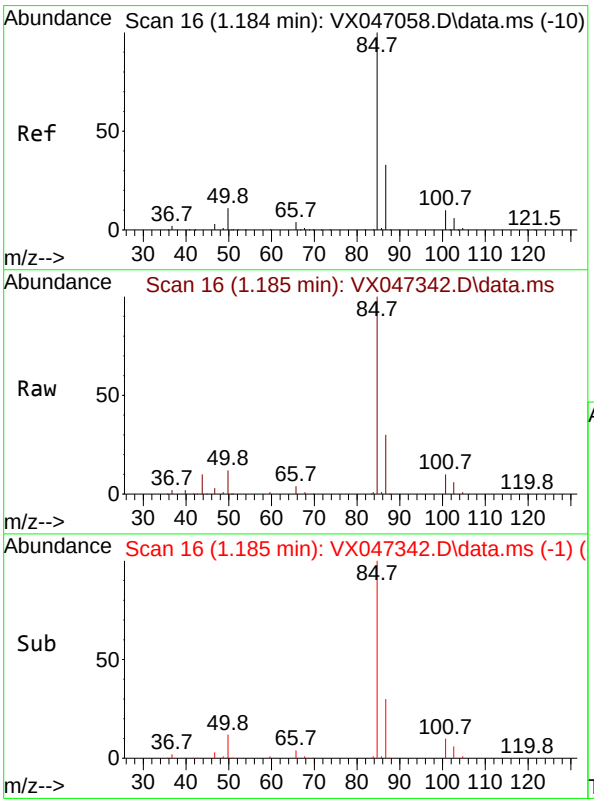
Ion	Ratio	Lower	Upper
168	100		
99	61.4	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

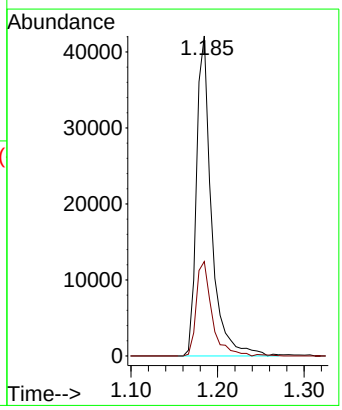
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

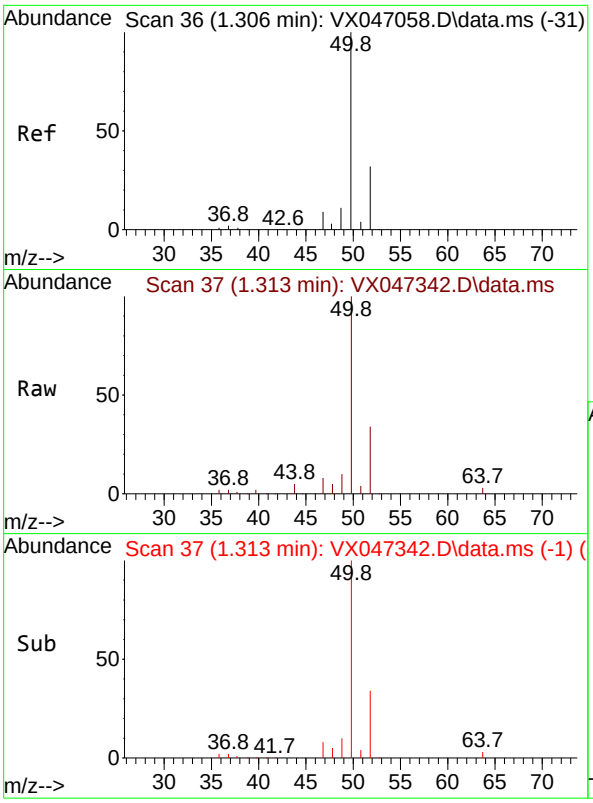


#2
Dichlorodifluoromethane
Concen: 17.222 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 85 Resp: 50487

Ion	Ratio	Lower	Upper
85	100		
87	29.9	16.6	49.8

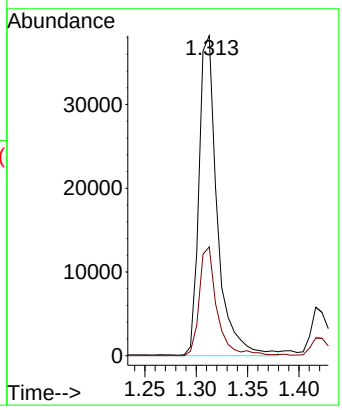




#3
Chloromethane
Concen: 16.376 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 50 Resp: 4748

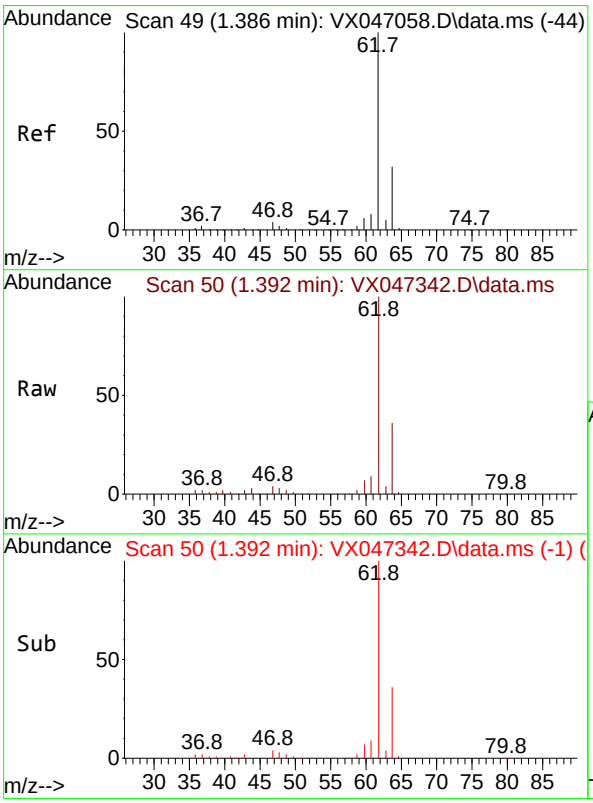
Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

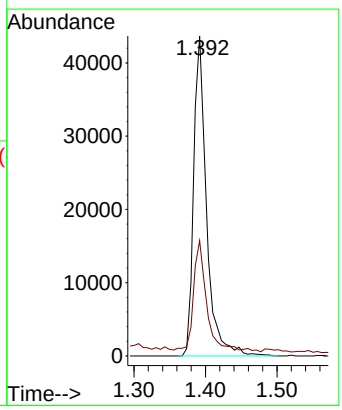
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

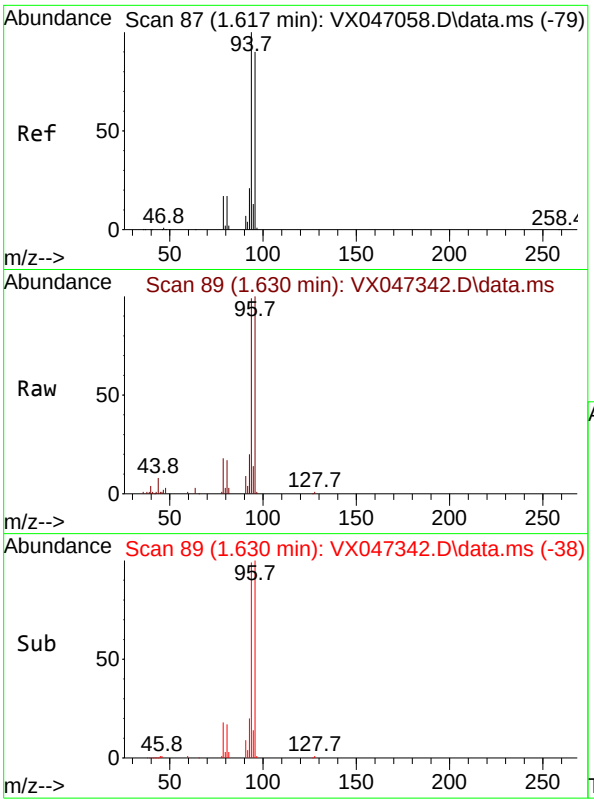


#4
Vinyl Chloride
Concen: 17.504 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 62 Resp: 54561

Ion	Ratio	Lower	Upper
62	100		
64	35.2	25.2	37.8

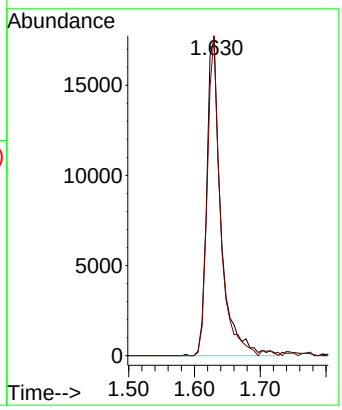




#5
Bromomethane
Concen: 15.644 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 94 Resp: 2648

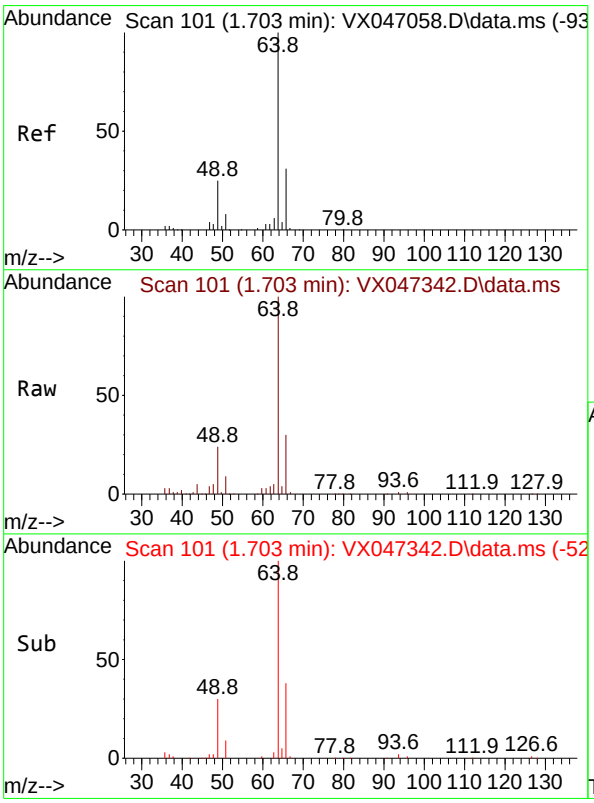
Ion	Ratio	Lower	Upper
94	100		
96	101.9	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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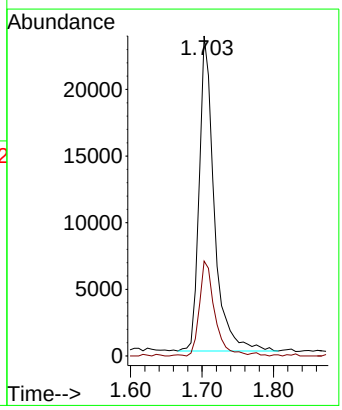
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

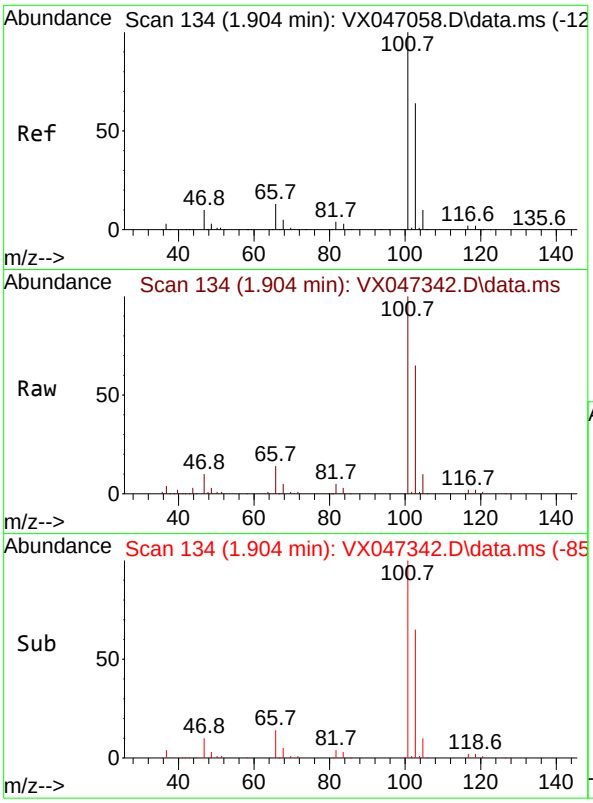


#6
Chloroethane
Concen: 16.874 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 64 Resp: 34546

Ion	Ratio	Lower	Upper
64	100		
66	29.8	25.0	37.6

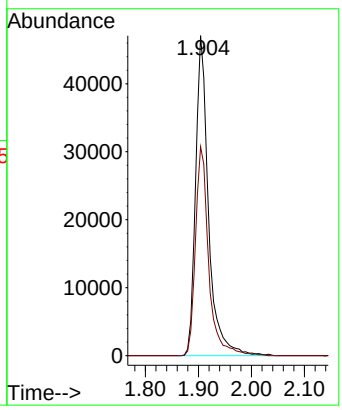




#7
Trichlorofluoromethane
Concen: 17.153 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:101 Resp: 7972

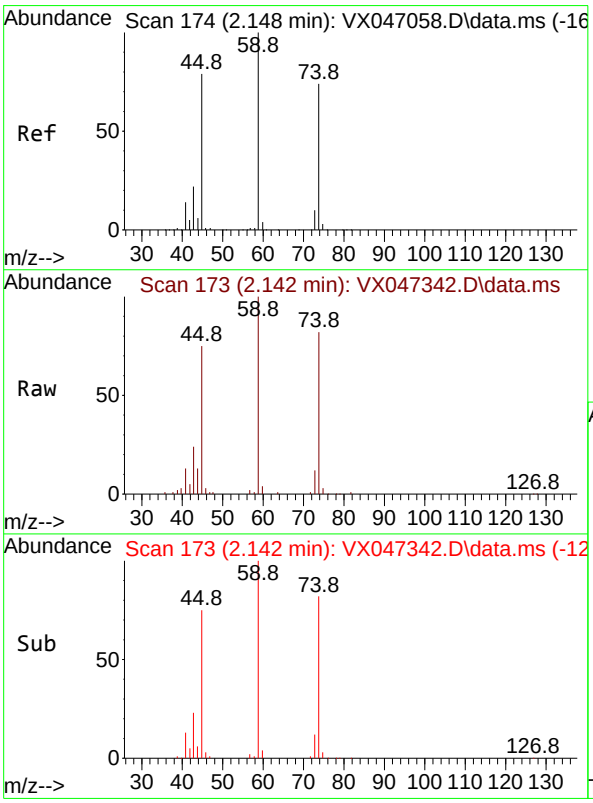
Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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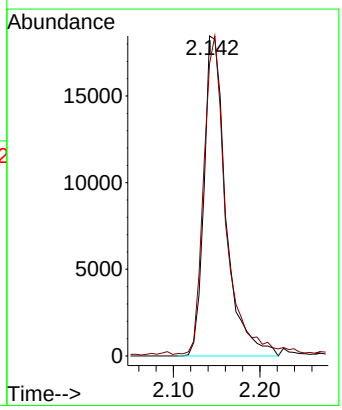
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

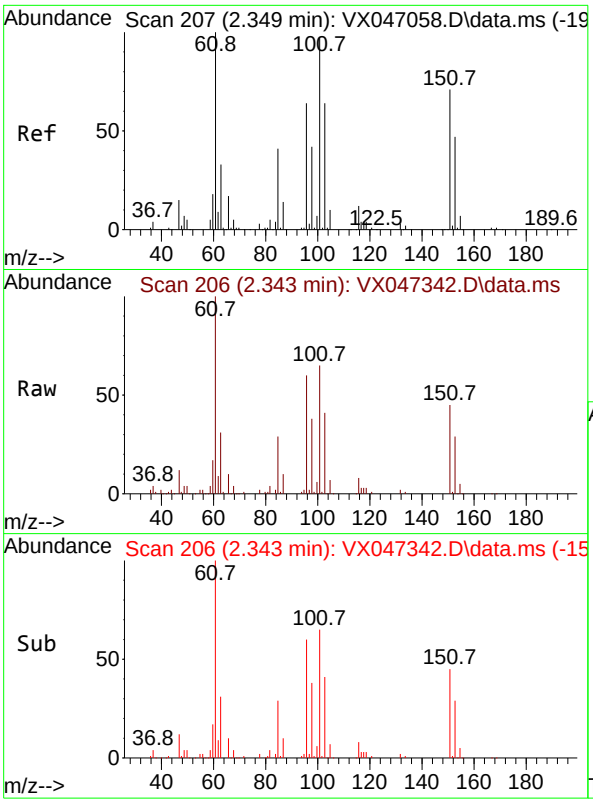


#8
Diethyl Ether
Concen: 19.759 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 74 Resp: 32382

Ion	Ratio	Lower	Upper
74	100		
45	100.8	53.0	159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.163 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

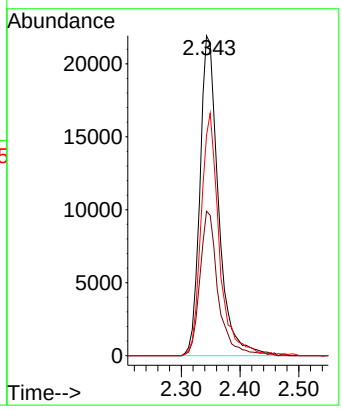
Tgt Ion:101 Resp: 4806

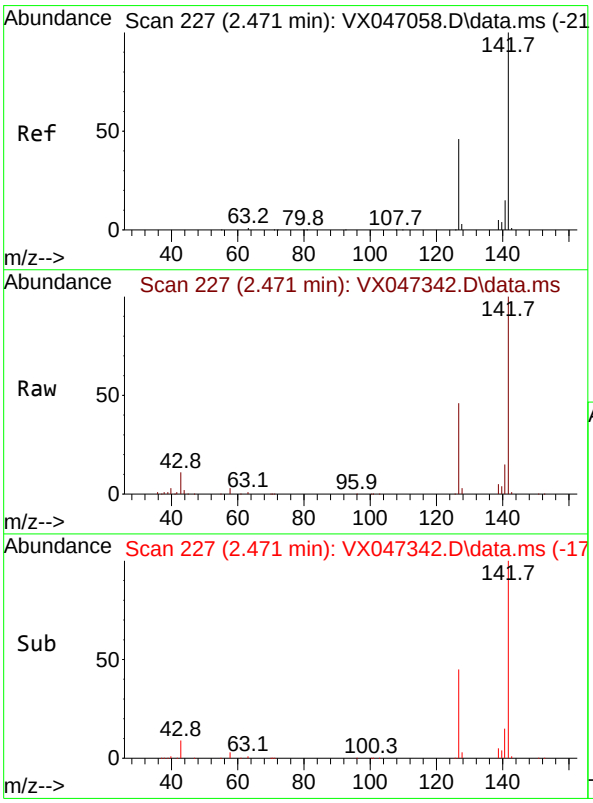
Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.4	53.0
151	75.0	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

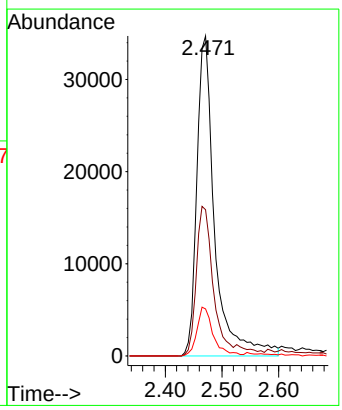


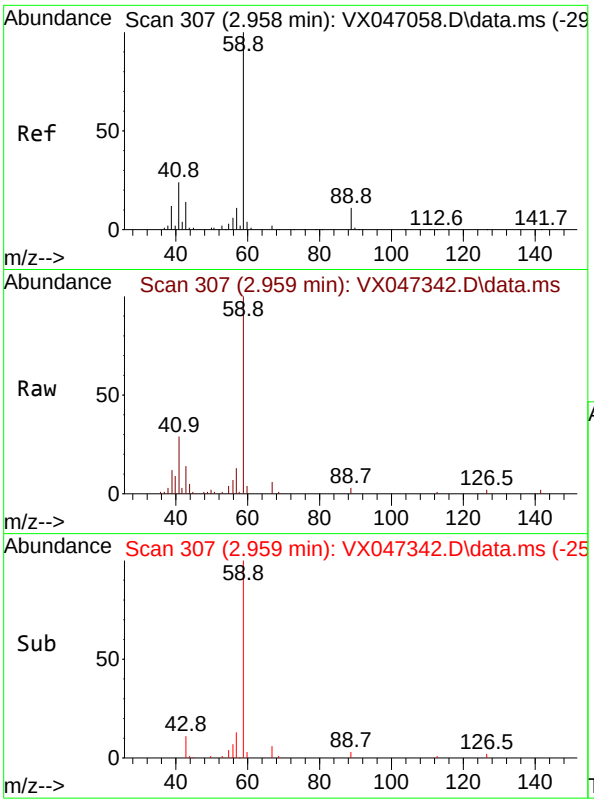


#10
Methyl Iodide
Concen: 26.622 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:142 Resp: 75979

Ion	Ratio	Lower	Upper
142	100		
127	46.8	36.6	54.8
141	13.8	10.9	16.3

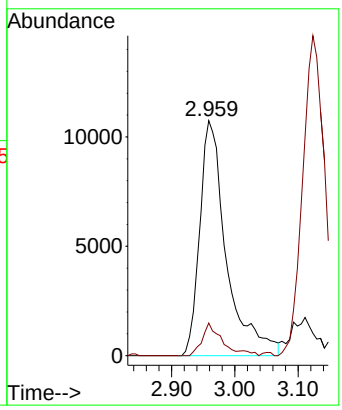




#11
Tert butyl alcohol
Concen: 91.608 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 59 Resp: 3153

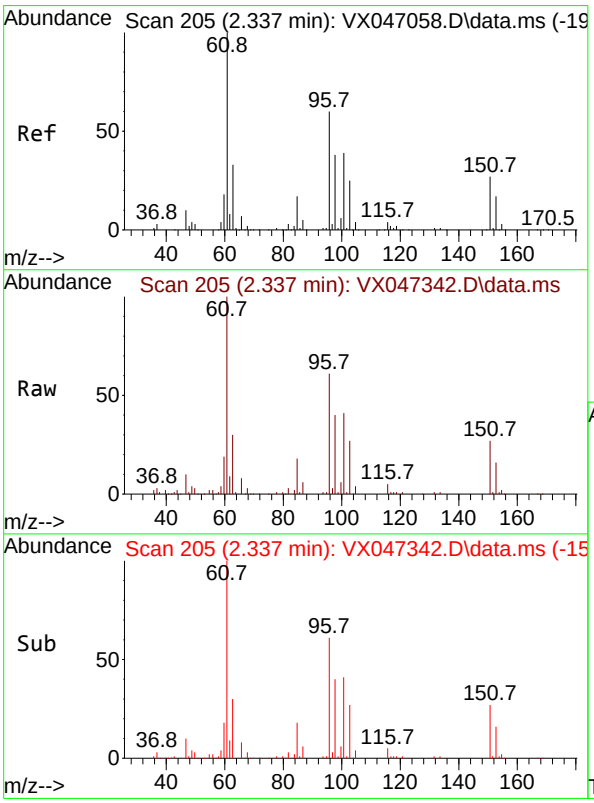
Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

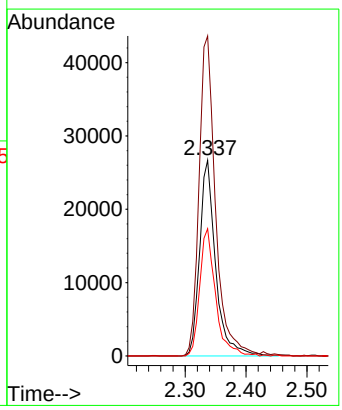
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

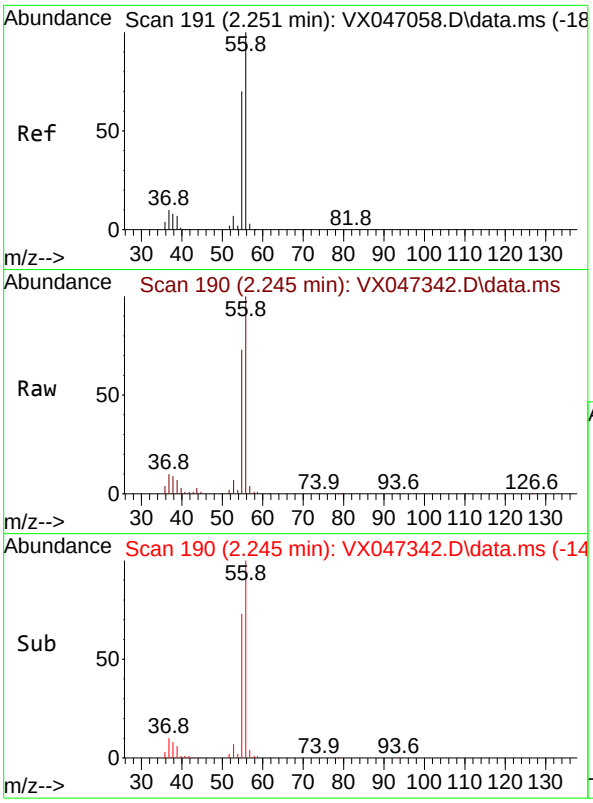


#12
1,1-Dichloroethene
Concen: 17.641 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 96 Resp: 48929

Ion	Ratio	Lower	Upper
96	100		
61	163.6	132.6	198.8
98	65.0	50.2	75.4

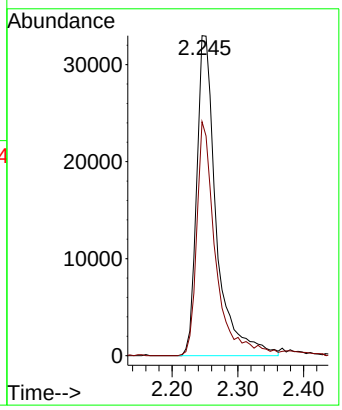




#13
Acrolein
Concen: 115.573 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 56 Resp: 6841

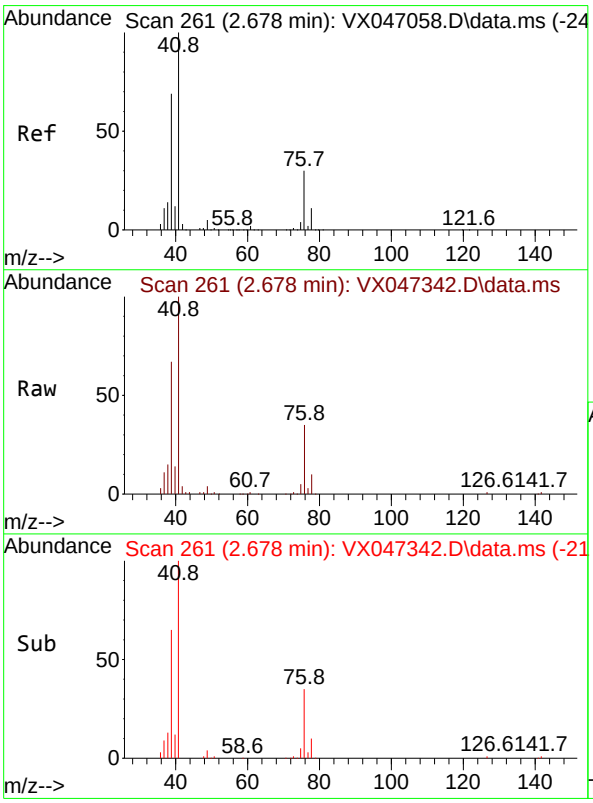
Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

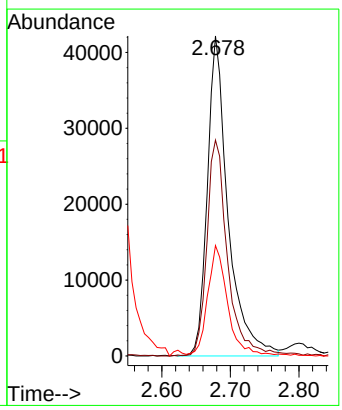
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

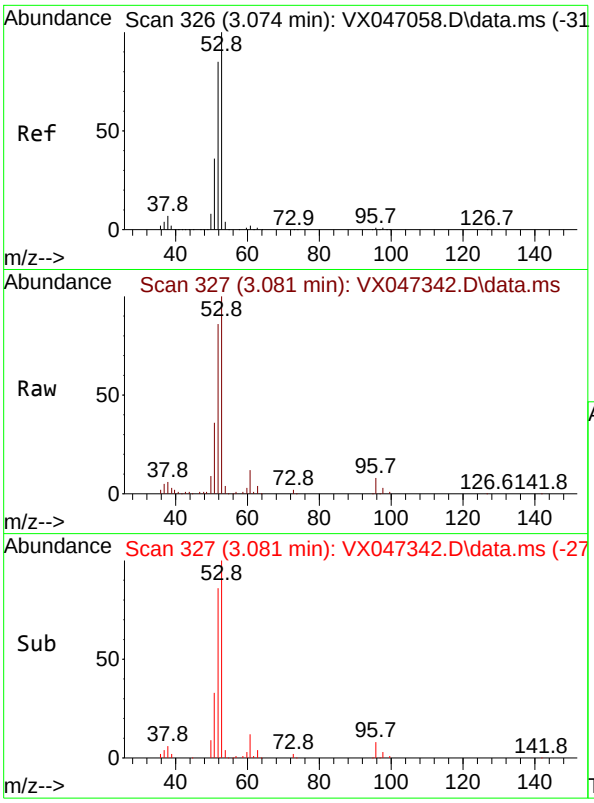


#14
Allyl chloride
Concen: 17.694 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 41 Resp: 88713

Ion	Ratio	Lower	Upper
41	100		
39	67.0	52.6	78.8
76	33.8	25.7	38.5

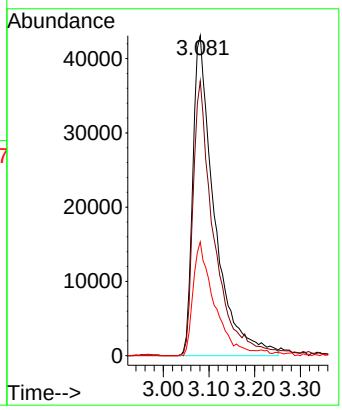




#15
Acrylonitrile
Concen: 108.000 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 53 Resp: 14160

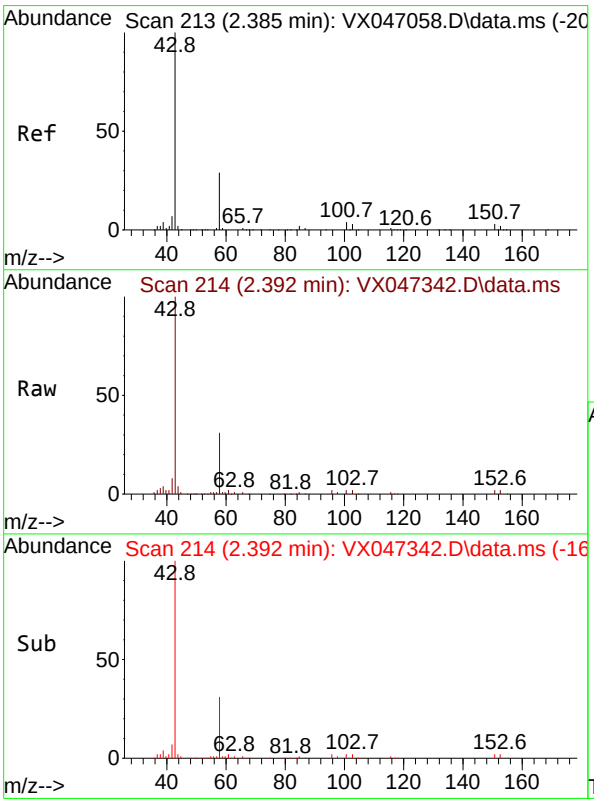
Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.7	98.5
51	34.9	28.8	43.2



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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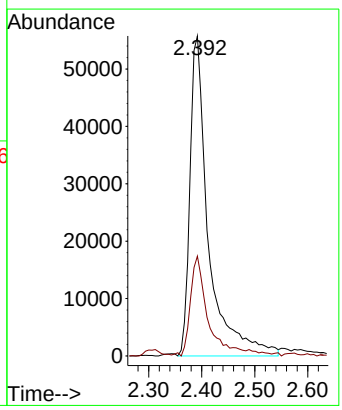
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

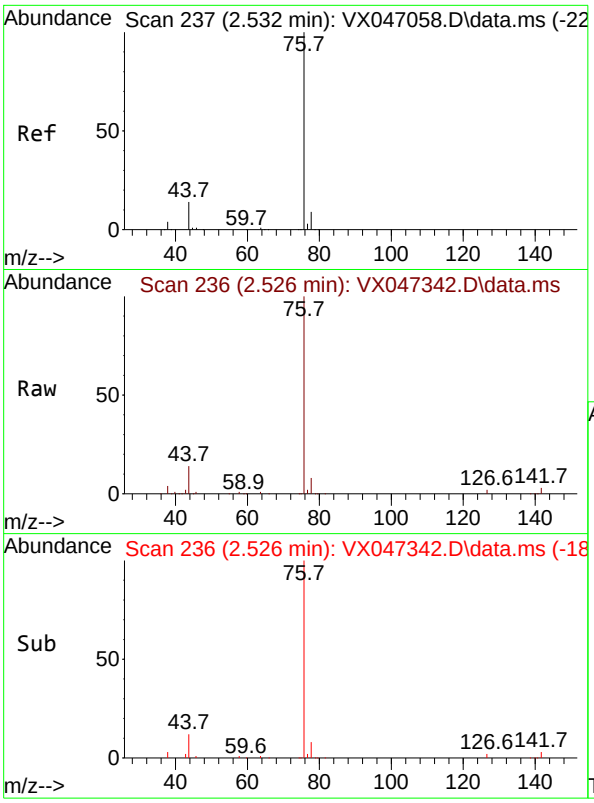


#16
Acetone
Concen: 122.733 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 43 Resp: 135173

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.0	36.0





#17
Carbon Disulfide
Concen: 16.215 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

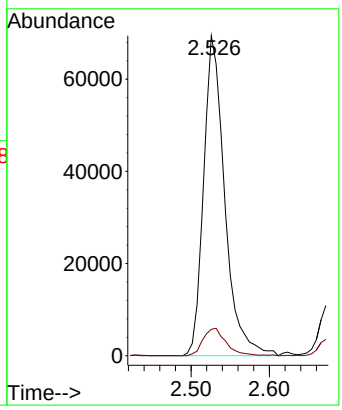
Tgt Ion: 76 Resp: 13011

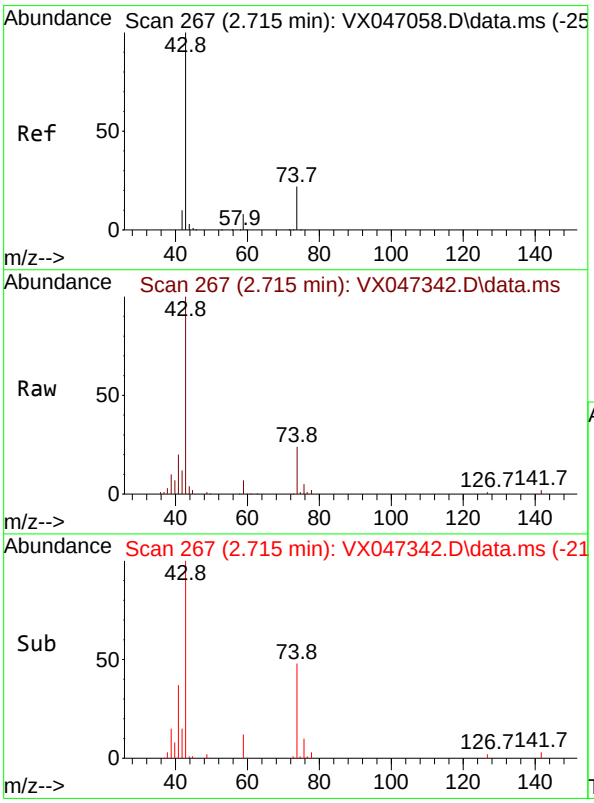
Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

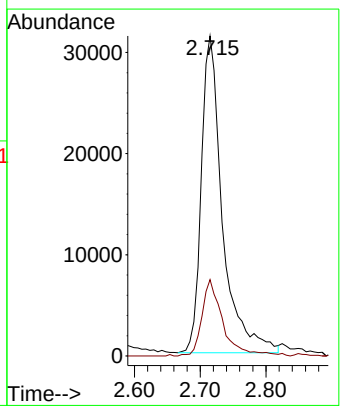


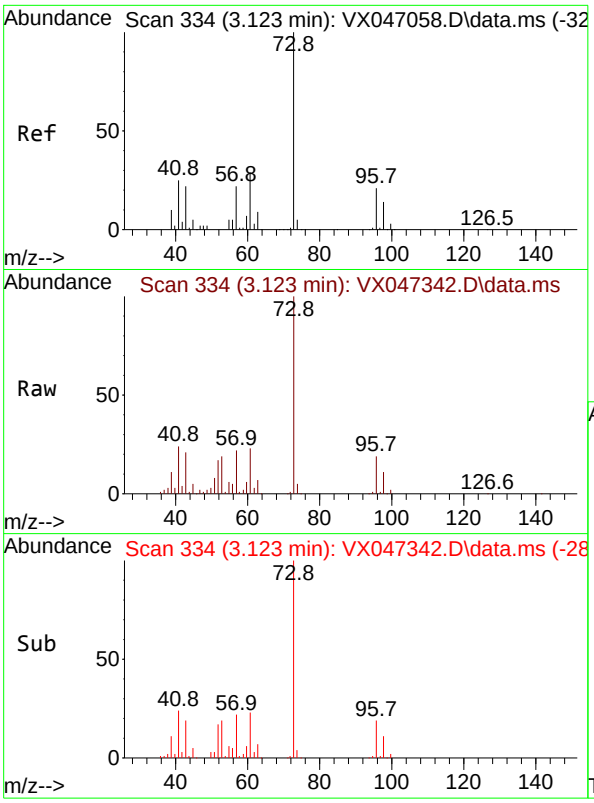


#18
Methyl Acetate
Concen: 23.974 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 43 Resp: 70167

Ion	Ratio	Lower	Upper
43	100		
74	23.8	17.7	26.5

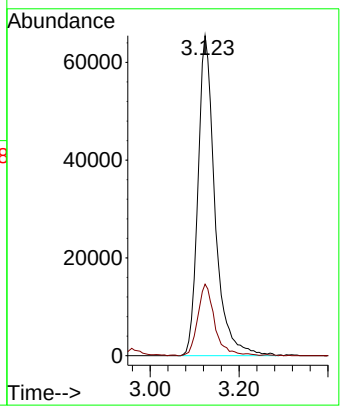




#19
Methyl tert-butyl Ether
Concen: 20.658 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 73 Resp: 17437

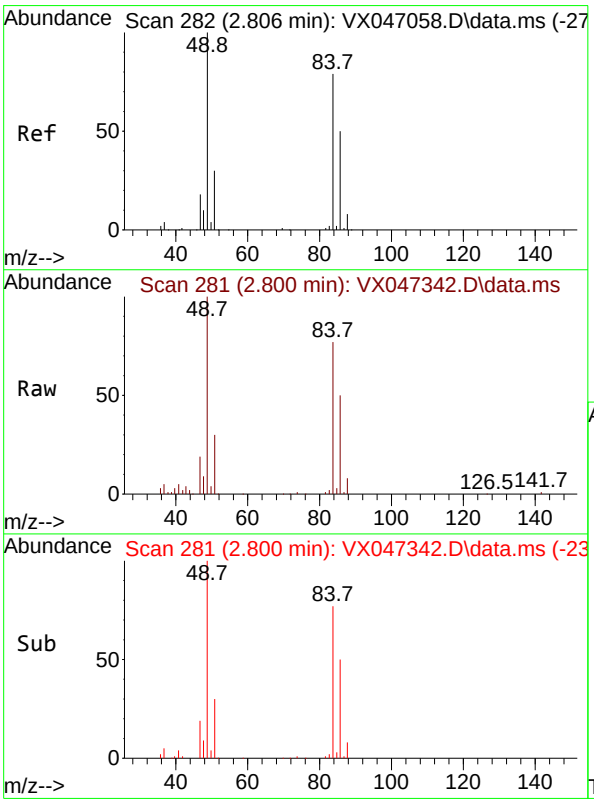
Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

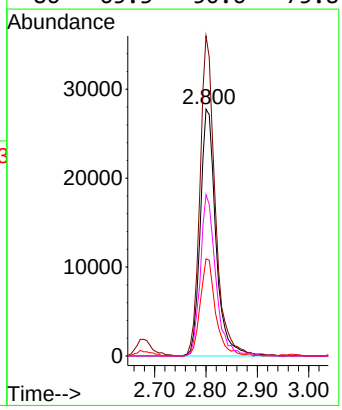
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

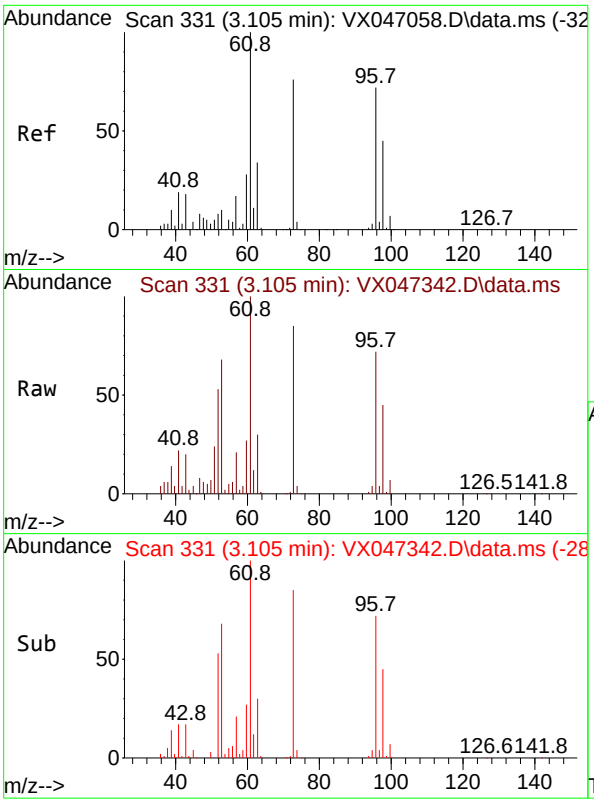


#20
Methylene Chloride
Concen: 19.327 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 84 Resp: 58560

Ion	Ratio	Lower	Upper
84	100		
49	129.7	101.6	152.4
51	39.4	30.3	45.5
86	65.3	50.6	75.8

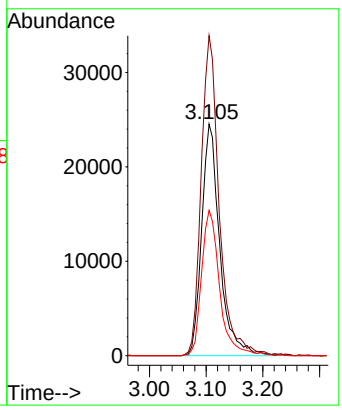




#21
trans-1,2-Dichloroethene
Concen: 19.148 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 96 Resp: 5434

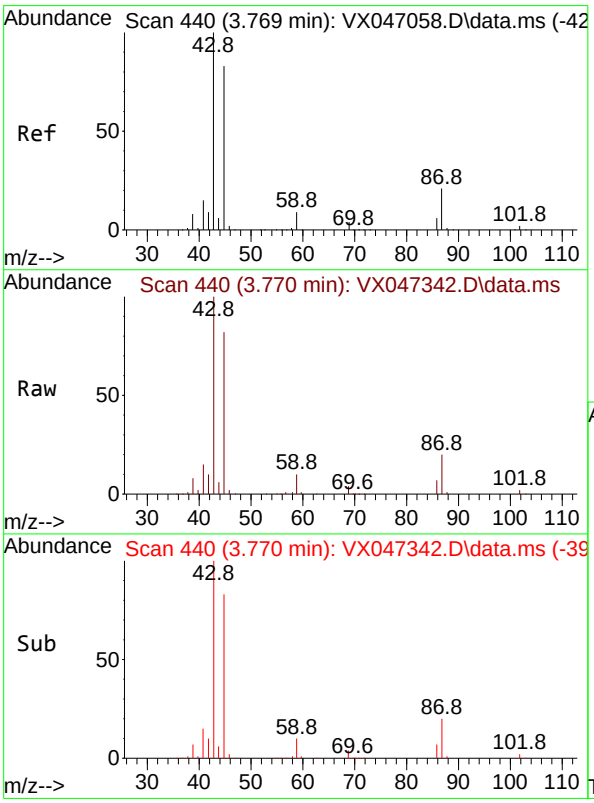
Ion	Ratio	Lower	Upper
96	100		
61	138.1	111.1	166.7
98	62.7	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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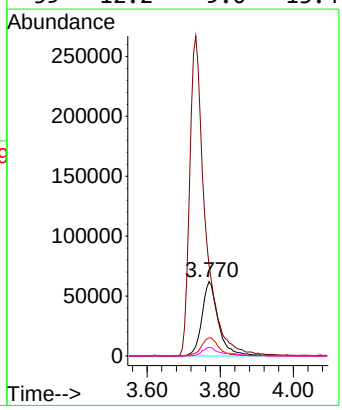
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

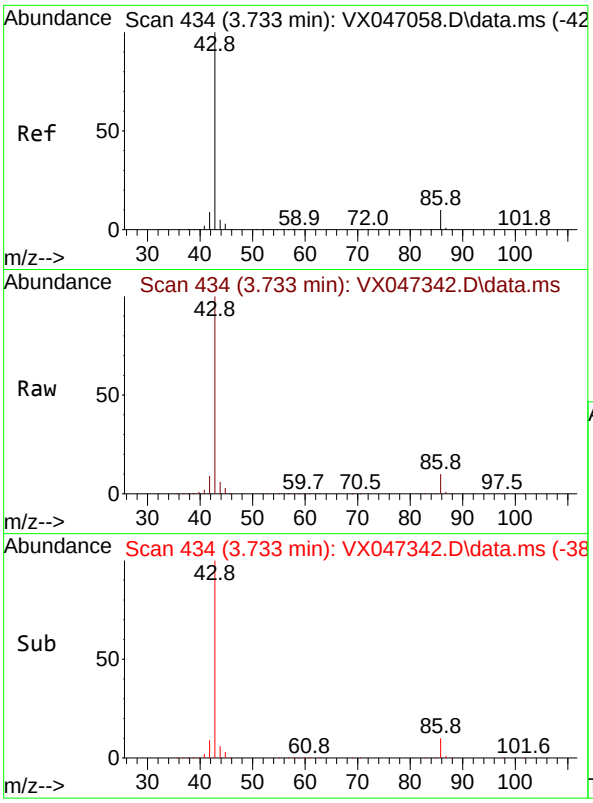


#22
Diisopropyl ether
Concen: 20.139 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 45 Resp: 194124

Ion	Ratio	Lower	Upper
45	100		
43	120.3	96.8	145.2
87	24.0	20.5	30.7
59	12.2	9.0	13.4





#23
Vinyl Acetate
Concen: 102.672 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

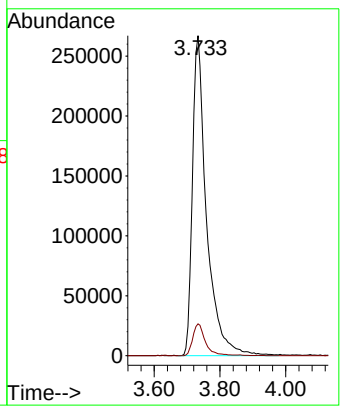
Tgt Ion: 43 Resp: 79379

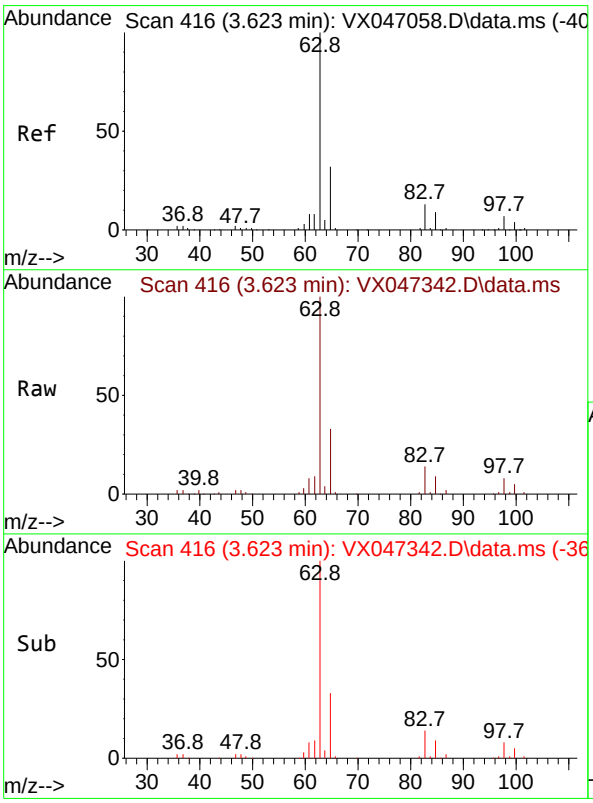
Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

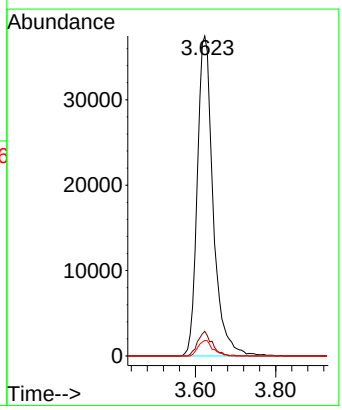


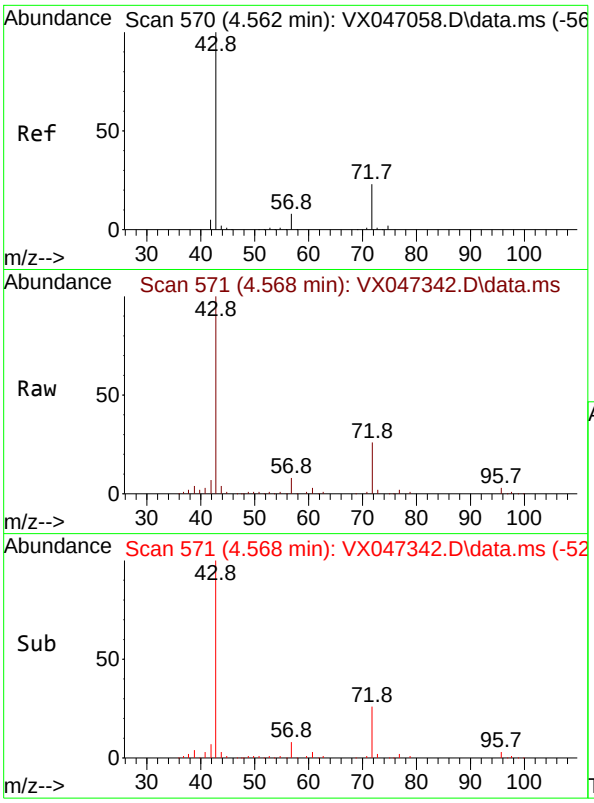


#24
1,1-Dichloroethane
Concen: 19.118 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 63 Resp: 102478

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	4.8	2.3	6.8





#25
2-Butanone
Concen: 109.958 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

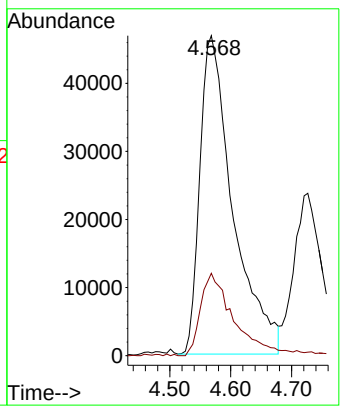
Tgt Ion: 43 Resp: 17633

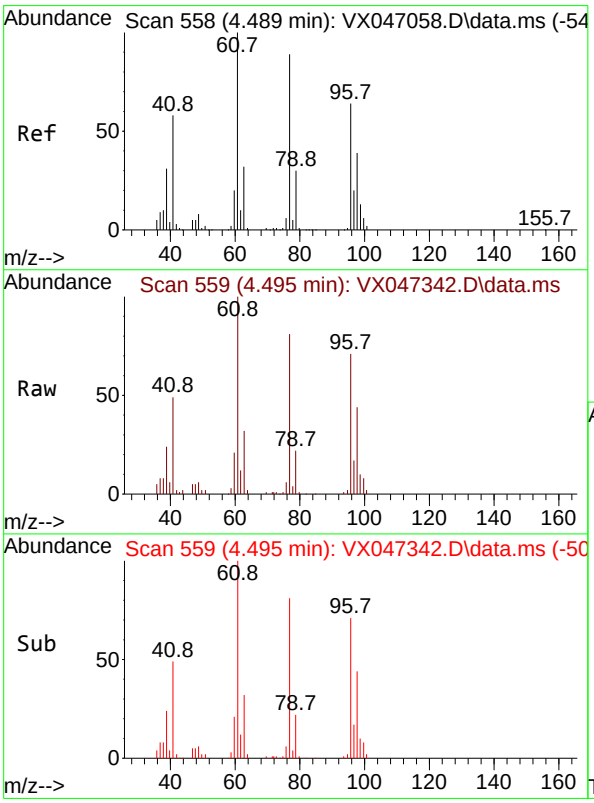
Ion	Ratio	Lower	Upper
43	100		
72	25.9	18.8	28.2

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

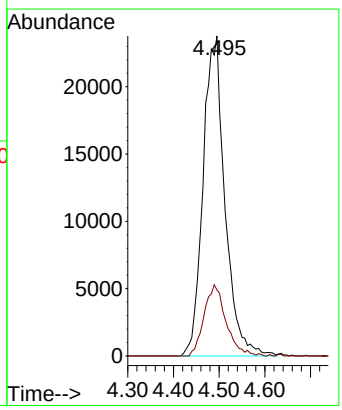


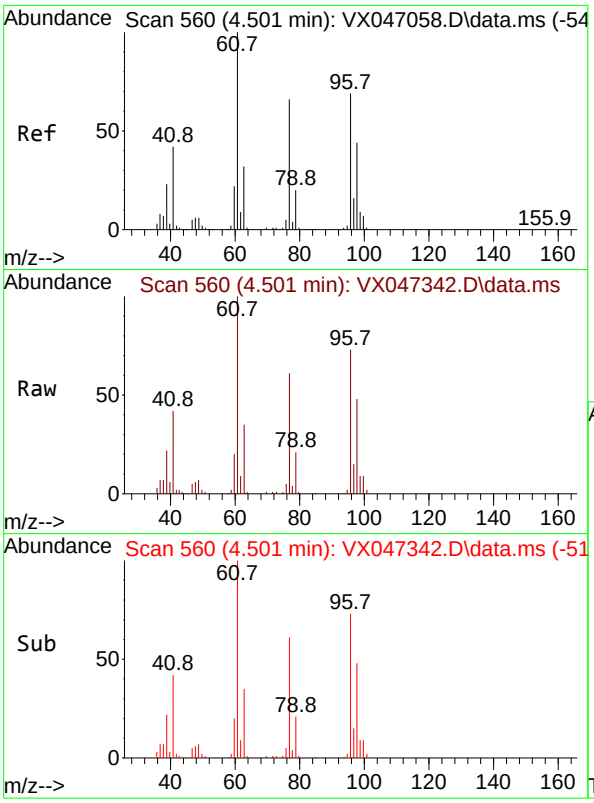


#26
2,2-Dichloropropane
Concen: 19.035 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 77 Resp: 78981

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.1

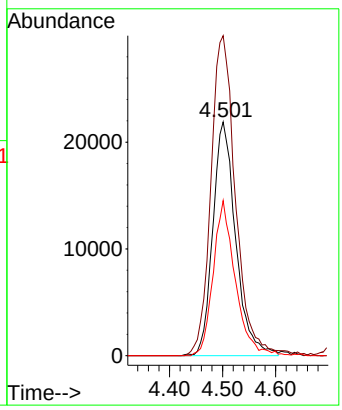




#27
cis-1,2-Dichloroethene
Concen: 19.537 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 96 Resp: 6566

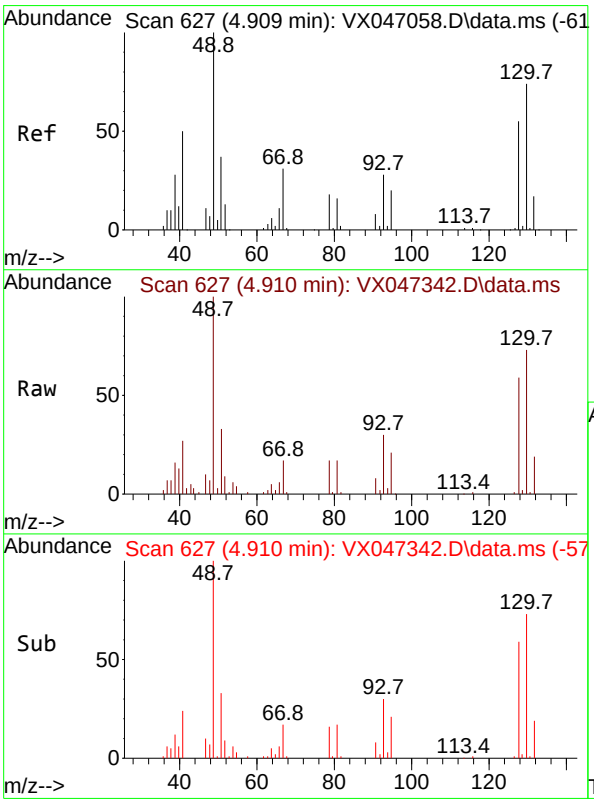
Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	298.6
98	64.0	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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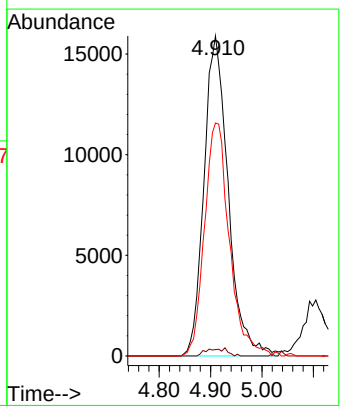
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

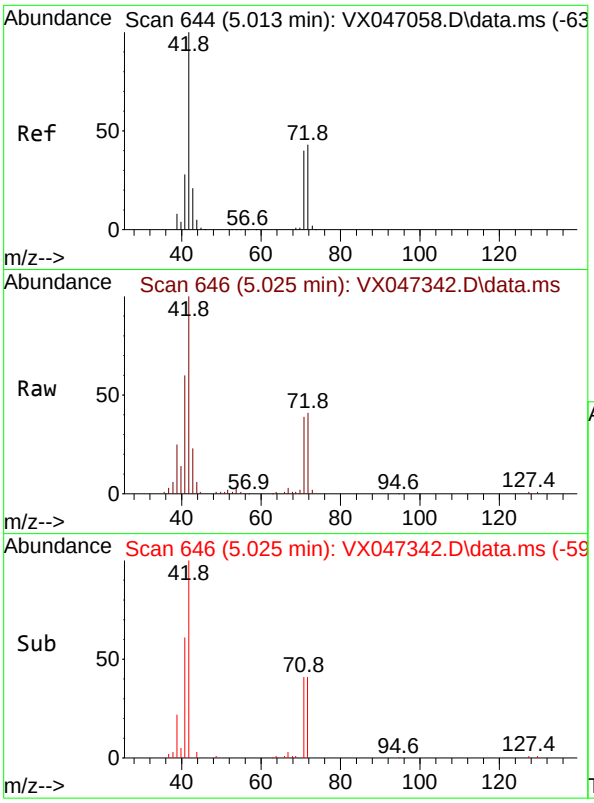


#28
Bromochloromethane
Concen: 21.089 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 49 Resp: 52005

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	74.6	59.0	88.4





#29
Tetrahydrofuran
Concen: 101.725 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

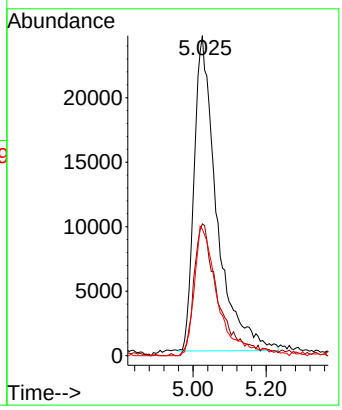
Tgt Ion: 42 Resp: 10525

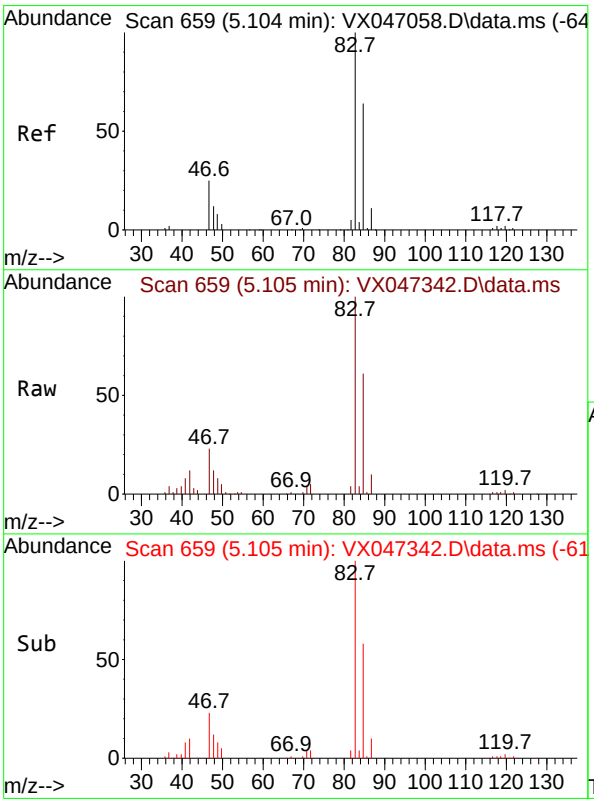
Ion	Ratio	Lower	Upper
42	100		
72	44.6	33.7	50.5
71	41.7	31.0	46.4

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

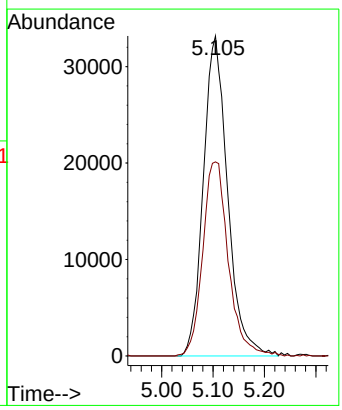


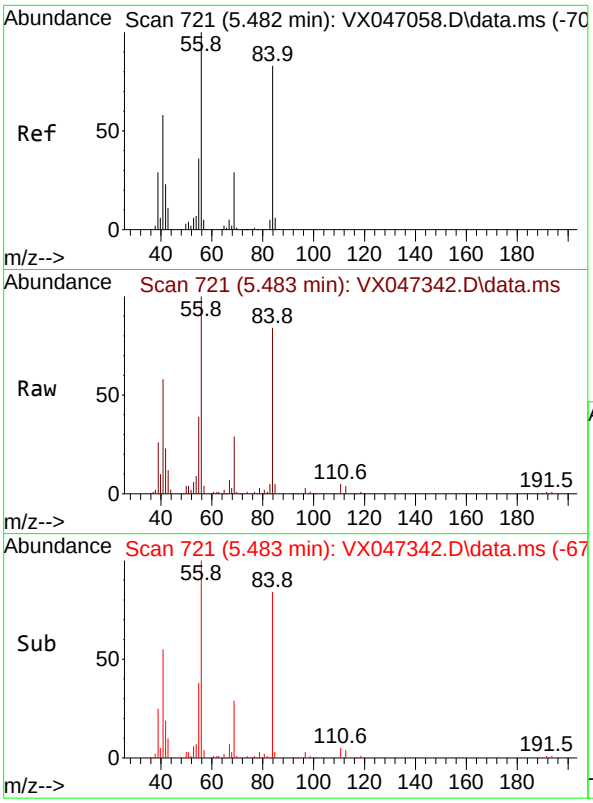


#30
Chloroform
Concen: 19.948 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 83 Resp: 108844

Ion	Ratio	Lower	Upper
83	100		
85	61.3	50.9	76.3

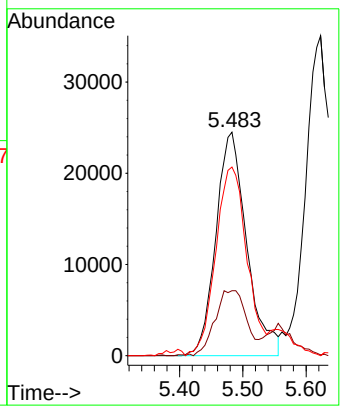




#31
Cyclohexane
Concen: 16.139 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 56 Resp: 8294

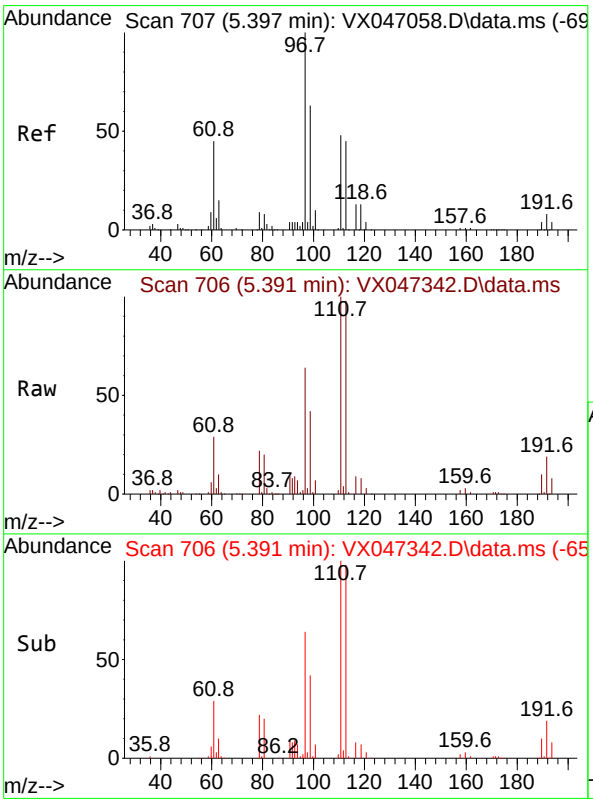
Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.3	34.9
84	81.6	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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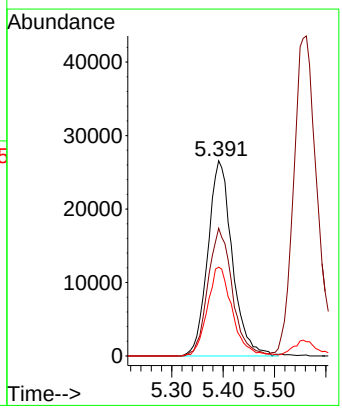
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

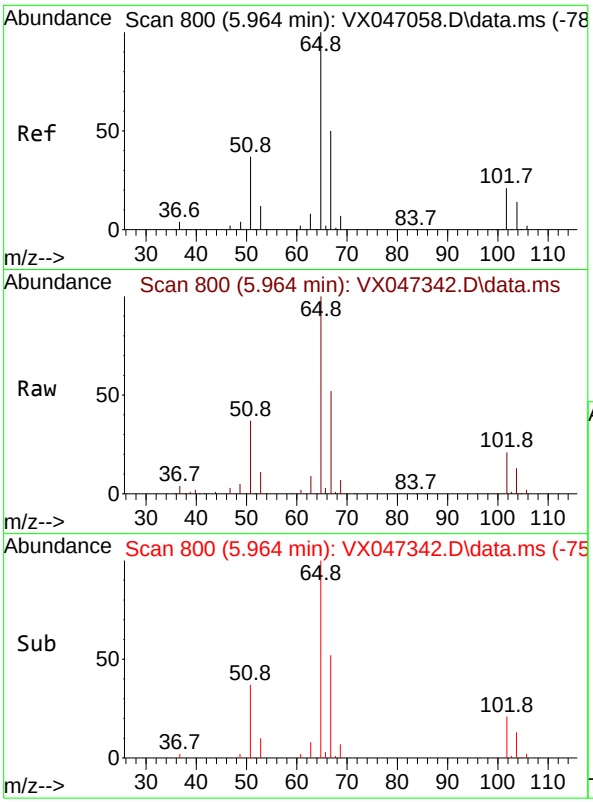


#32
1,1,1-Trichloroethane
Concen: 18.505 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 97 Resp: 87698

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	46.5	37.1	55.7

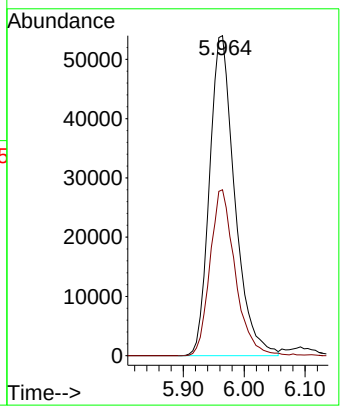




#33
1,2-Dichloroethane-d4
Concen: 56.528 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 65 Resp: 15541

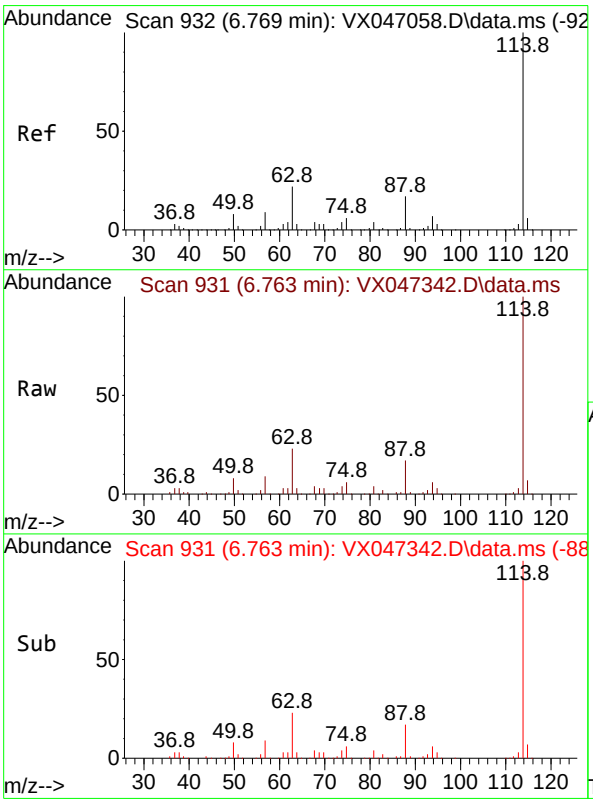
Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

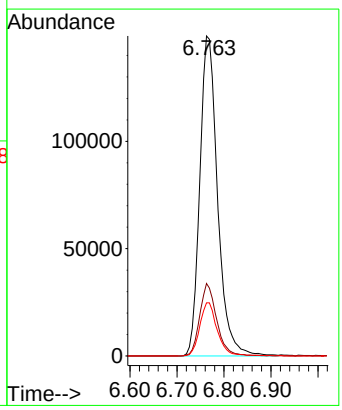
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

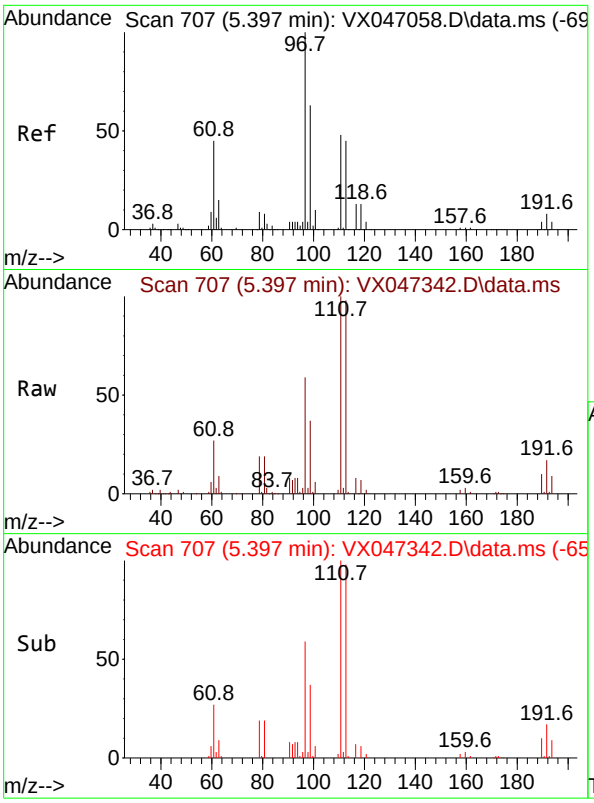


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:114 Resp: 392445

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	43.2
88	16.6	0.0	33.8

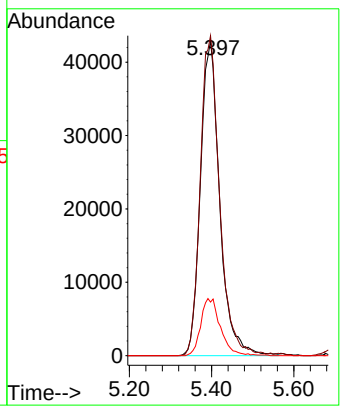




#35
Dibromofluoromethane
Concen: 57.560 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:113 Resp: 13947

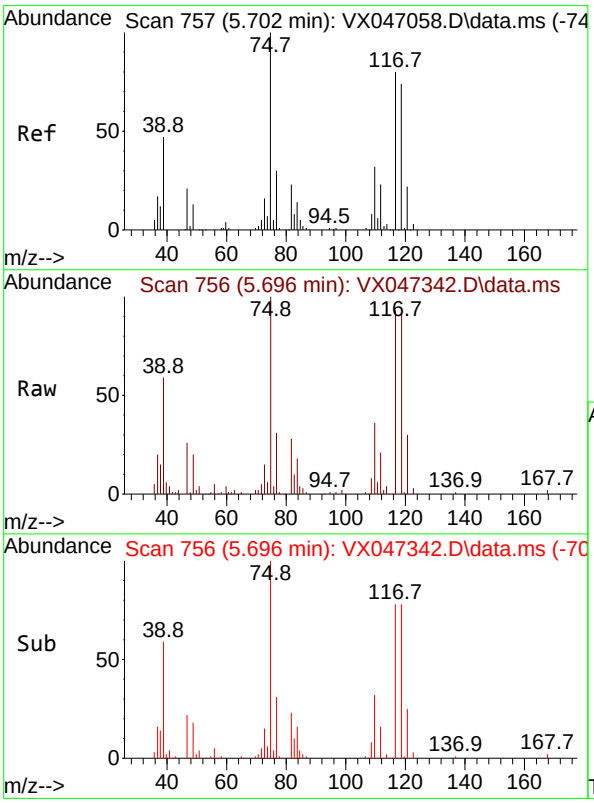
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	124.0
192	18.6	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

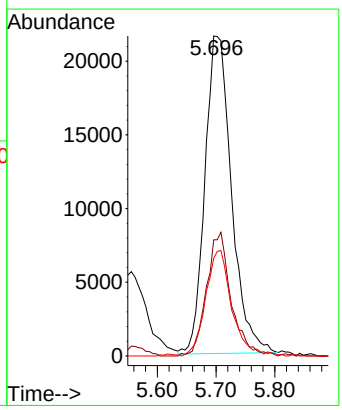
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

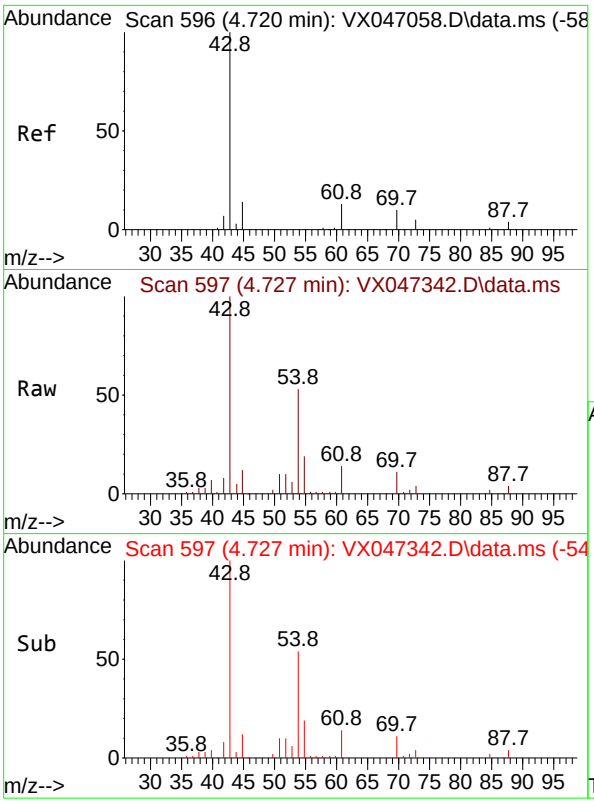


#36
1,1-Dichloropropene
Concen: 16.433 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 75 Resp: 67873

Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.2	51.5
77	32.0	25.1	37.7

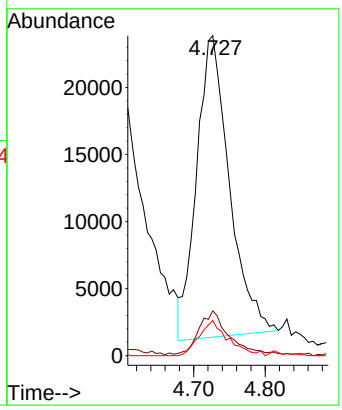




#37
Ethyl Acetate
Concen: 18.865 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 43 Resp: 7179

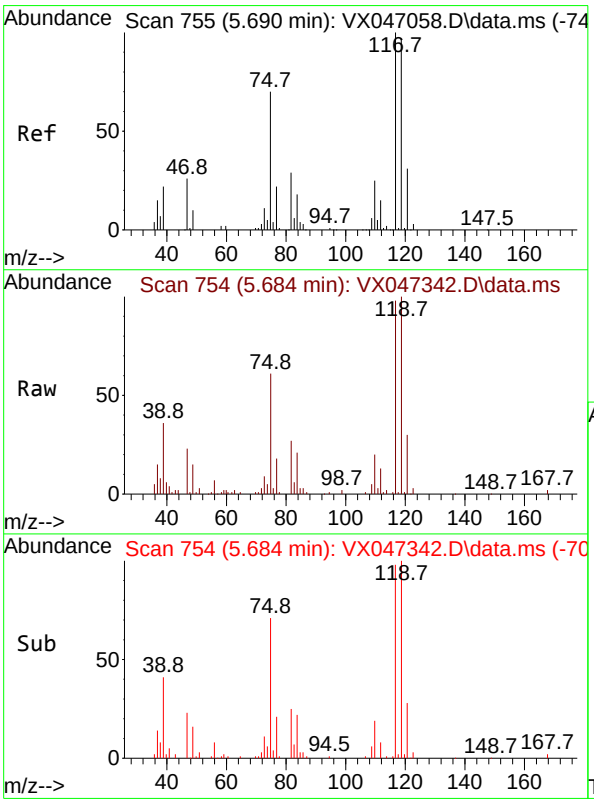
Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	10.3	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

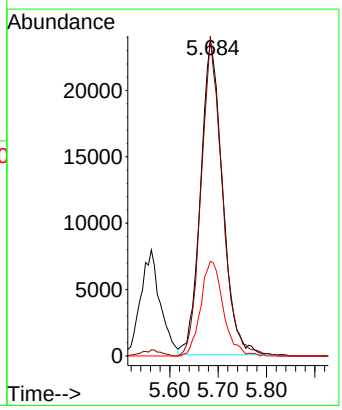
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

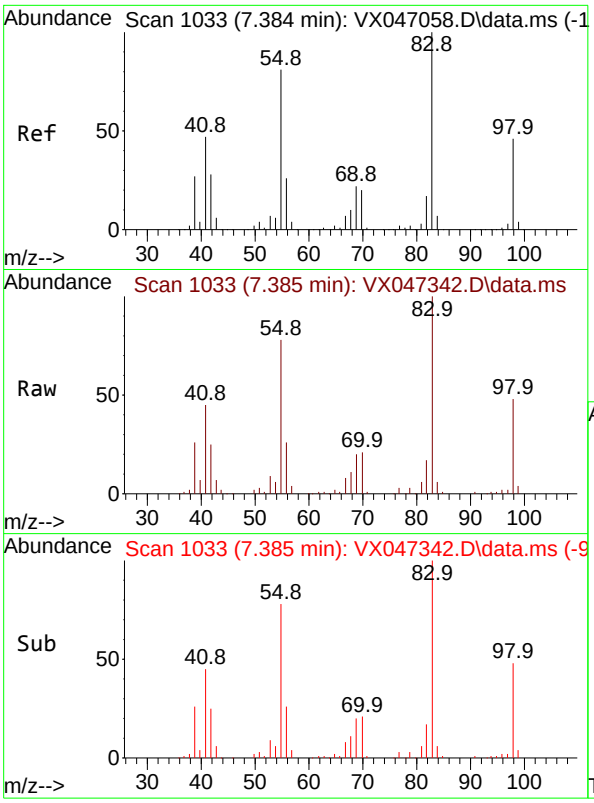


#38
Carbon Tetrachloride
Concen: 16.934 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:117 Resp: 74651

Ion	Ratio	Lower	Upper
117	100		
119	102.2	76.6	115.0
121	30.3	24.4	36.6

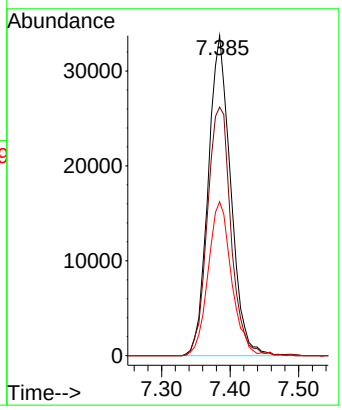




#39
Methylcyclohexane
Concen: 14.903 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 83 Resp: 7685

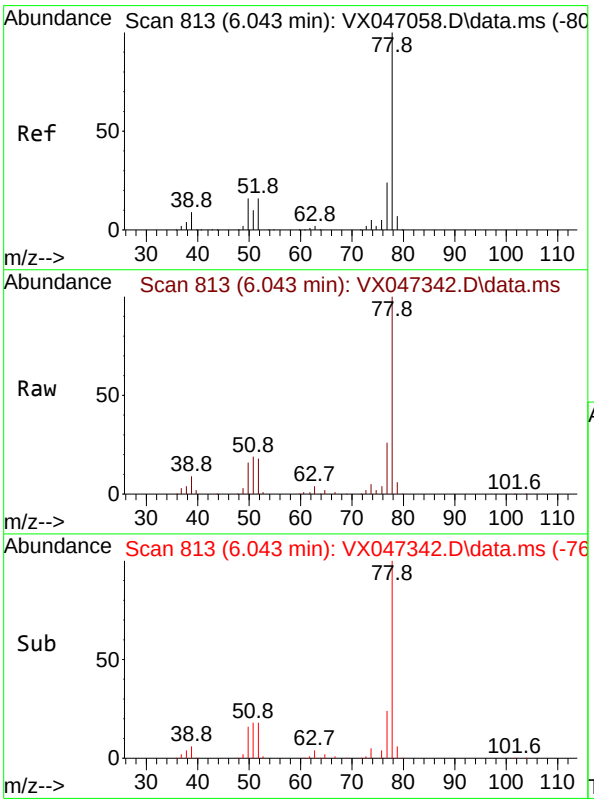
Ion	Ratio	Lower	Upper
83	100		
55	77.7	64.5	96.7
98	48.1	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

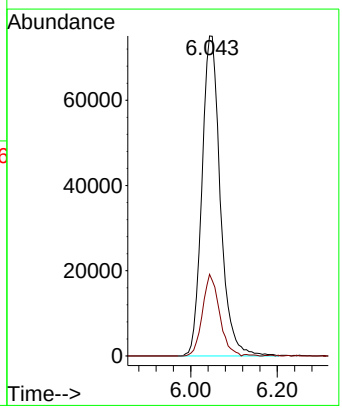
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

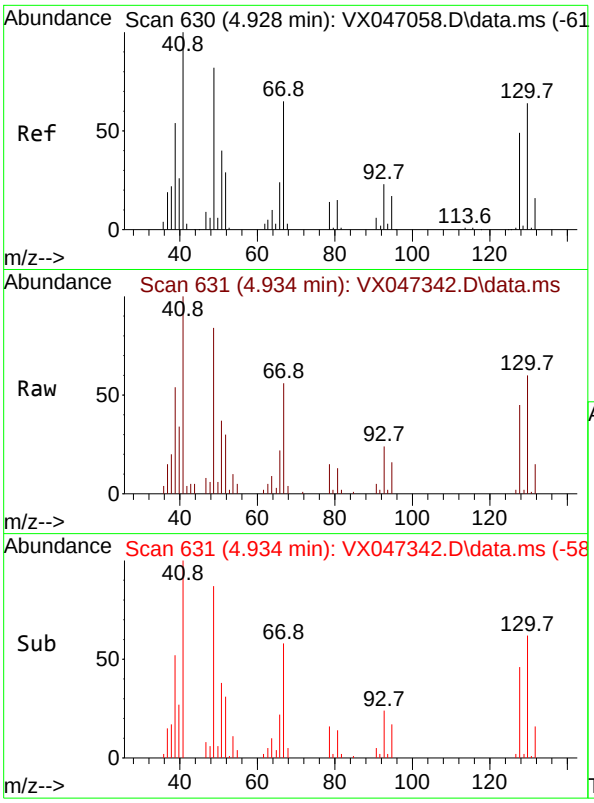


#40
Benzene
Concen: 18.518 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 78 Resp: 221348

Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.0	28.4

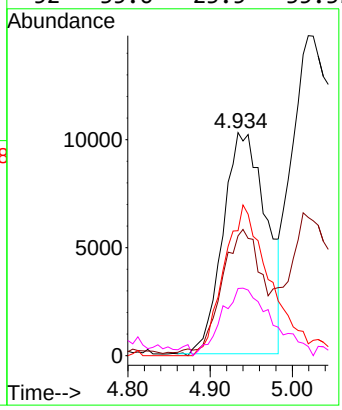




#41
Methacrylonitrile
Concen: 18.844 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 41 Resp: 3750

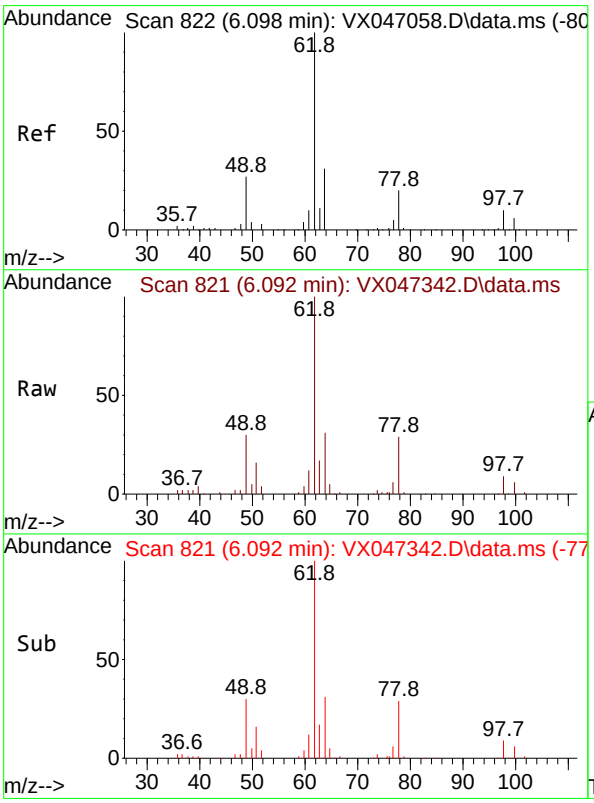
Ion	Ratio	Lower	Upper
41	100		
39	52.8	44.2	66.2
67	75.5	56.4	84.6
52	35.6	23.5	35.3#



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

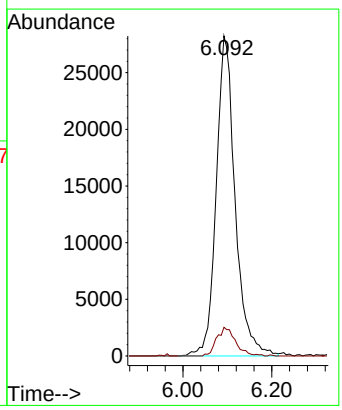
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

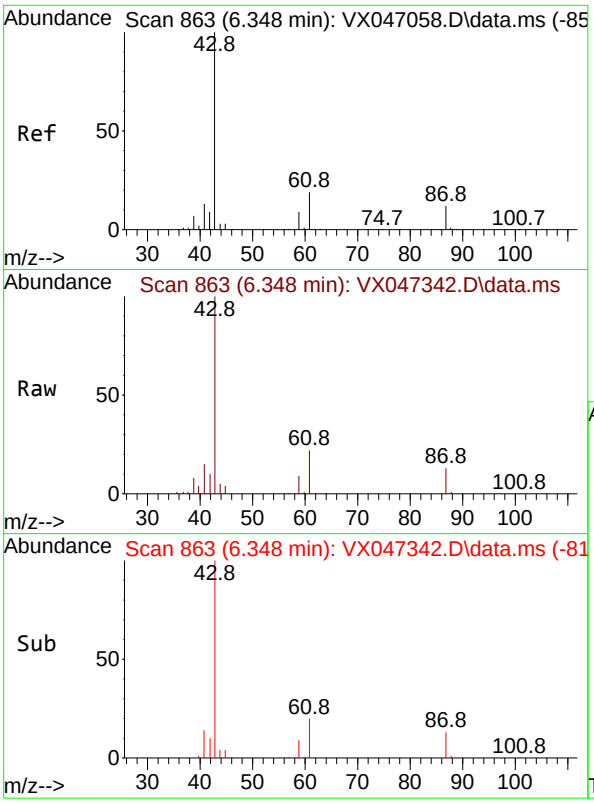


#42
1,2-Dichloroethane
Concen: 19.745 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 62 Resp: 83140

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.8

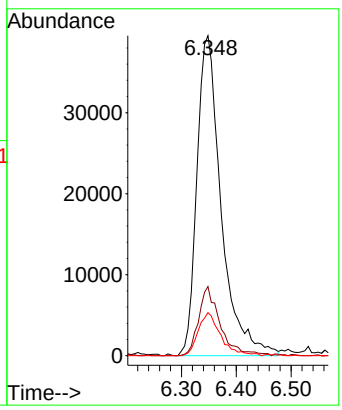




#43
Isopropyl Acetate
Concen: 20.499 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 43 Resp: 12162

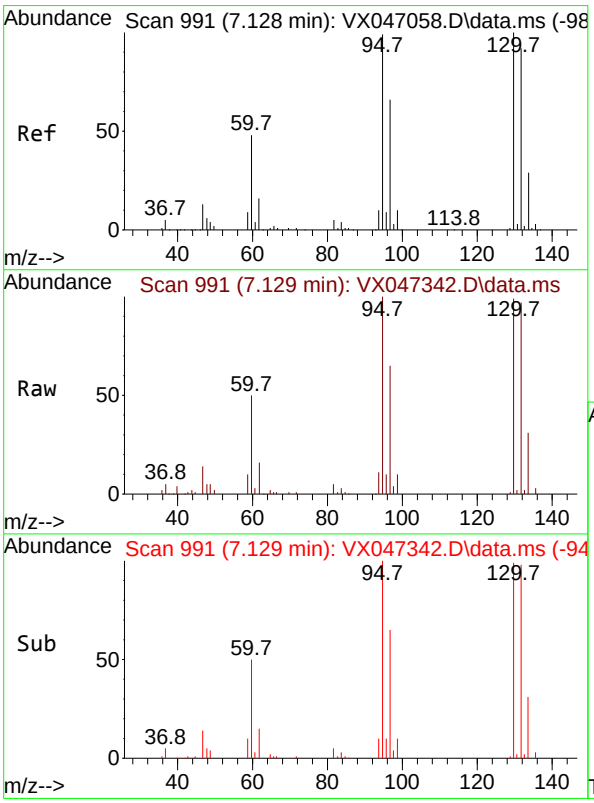
Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	12.4	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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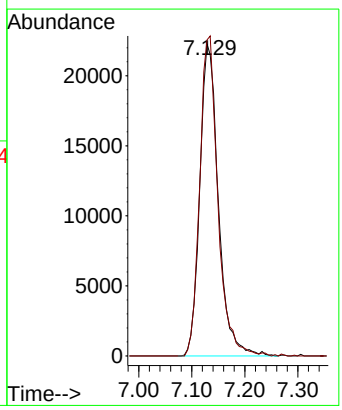
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

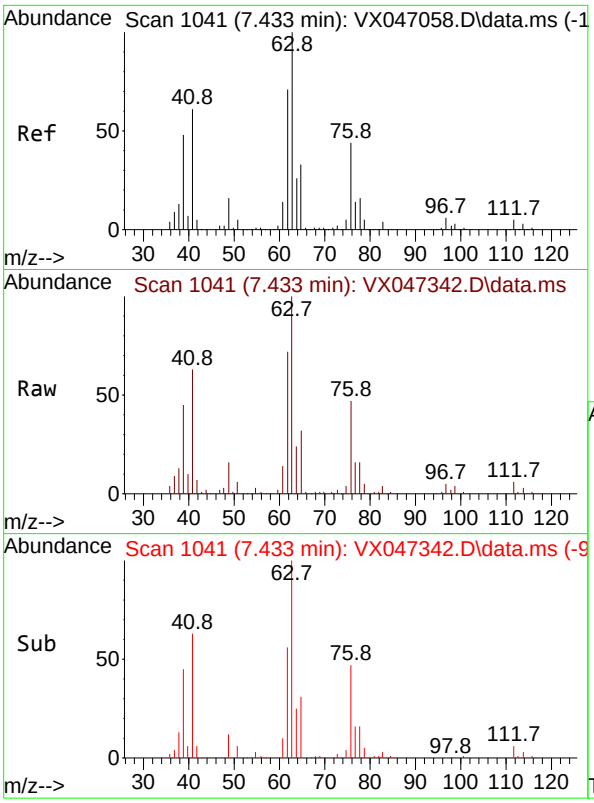


#44
Trichloroethene
Concen: 17.657 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:130 Resp: 54121

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	198.6

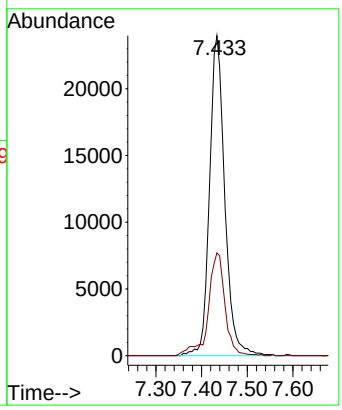




#45
1,2-Dichloropropane
Concen: 18.583 ug/l
RT: 7.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 63 Resp: 5563

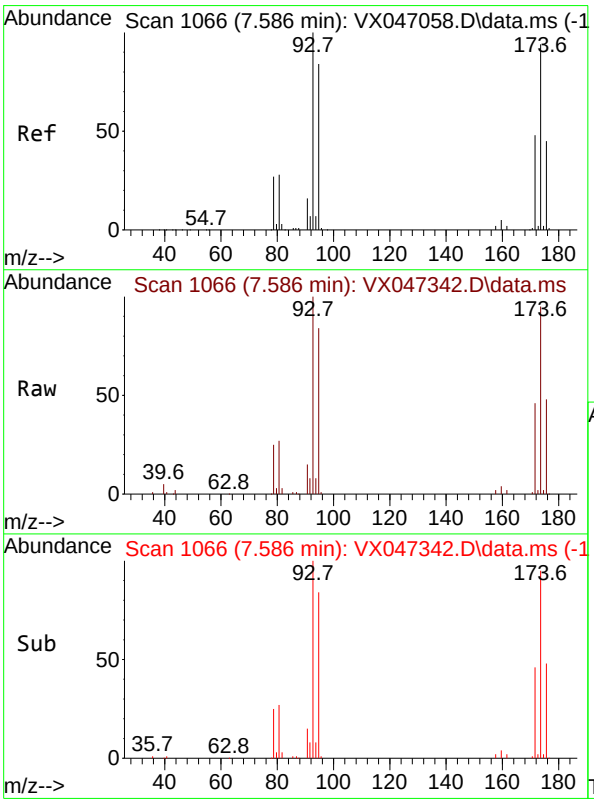
Ion	Ratio	Lower	Upper
63	100		
65	32.1	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

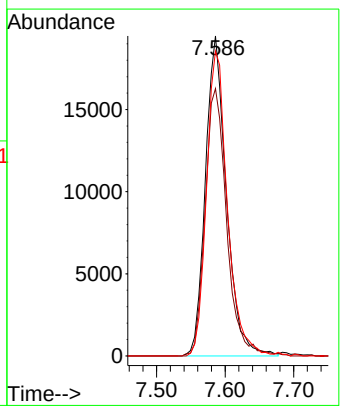
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

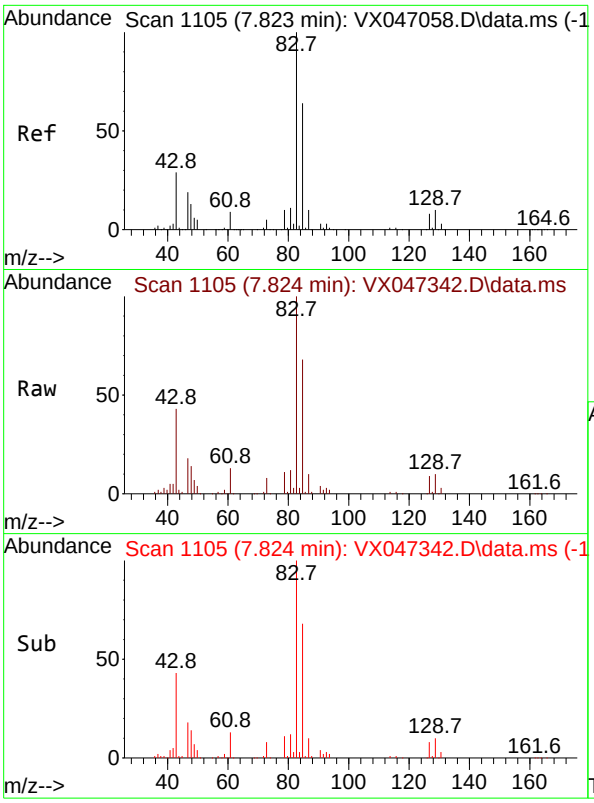


#46
Dibromomethane
Concen: 19.760 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 93 Resp: 41484

Ion	Ratio	Lower	Upper
93	100		
95	85.9	65.9	98.9
174	95.1	74.6	112.0

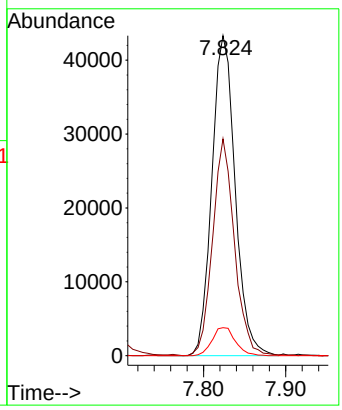




#47
Bromodichloromethane
Concen: 19.071 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 83 Resp: 8521

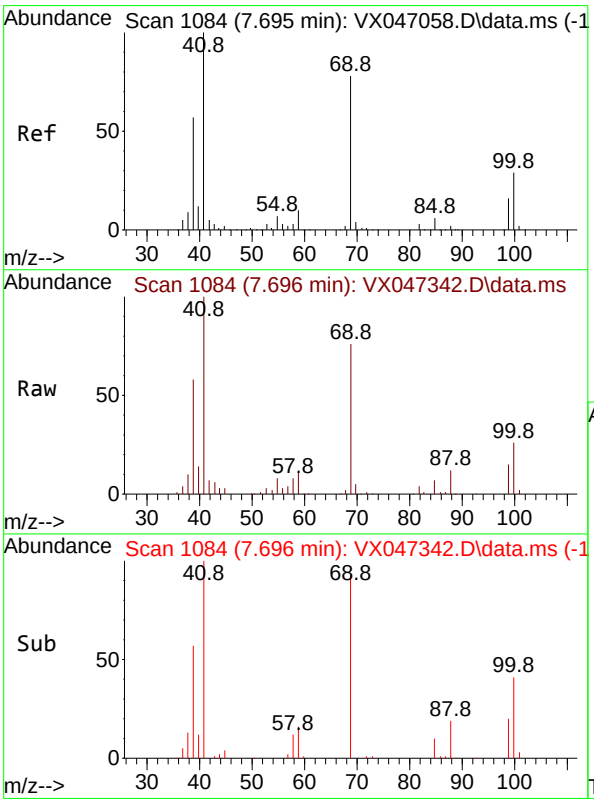
Ion	Ratio	Lower	Upper
83	100		
85	68.3	49.9	74.9
127	8.7	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

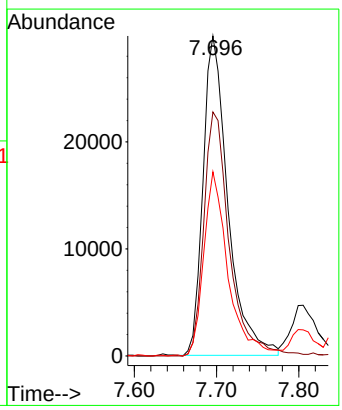
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

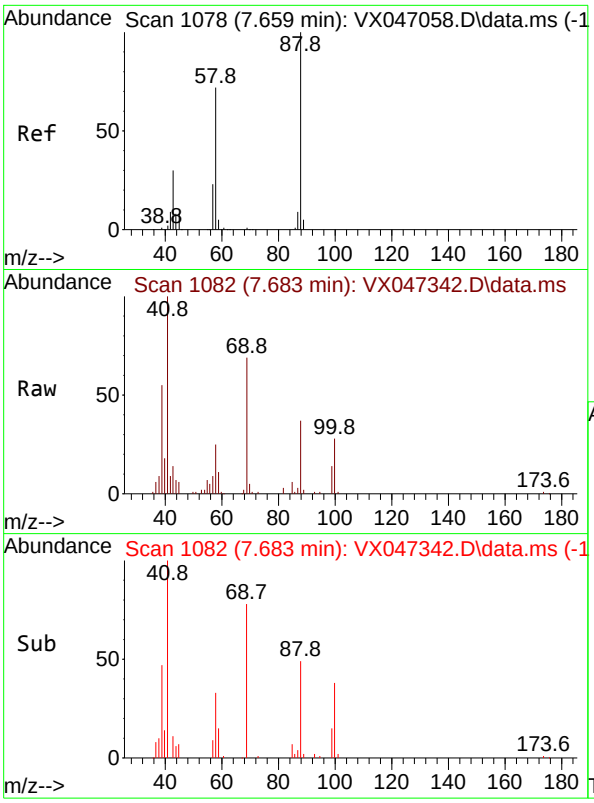


#48
Methyl methacrylate
Concen: 19.411 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 41 Resp: 62741

Ion	Ratio	Lower	Upper
41	100		
69	78.3	62.3	93.5
39	56.5	44.8	67.2





#49
1,4-Dioxane
Concen: 352.310 ug/l
RT: 7.683 min Scan# 1
Delta R.T. 0.025 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

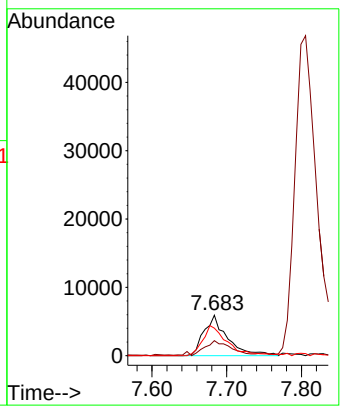
Tgt Ion: 88 Resp: 1295

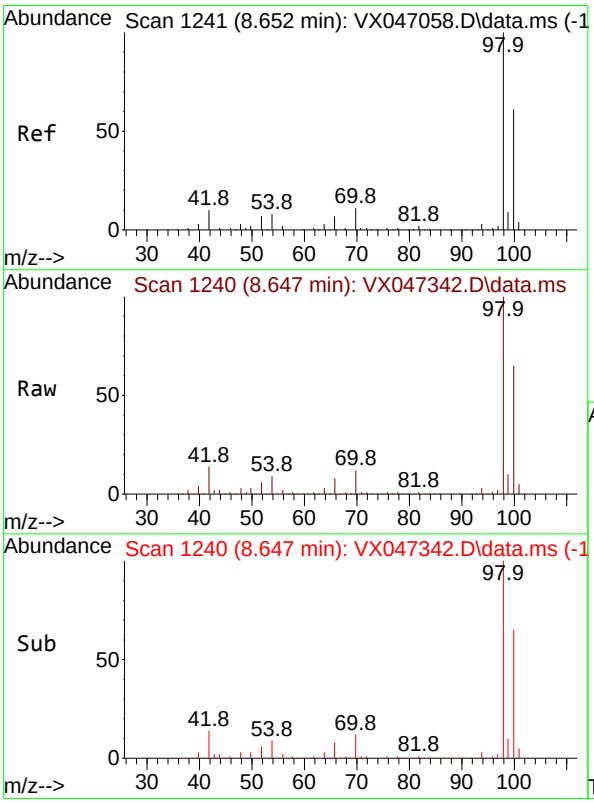
Ion	Ratio	Lower	Upper
88	100		
43	39.8	33.6	50.4
58	76.4	58.8	88.2

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

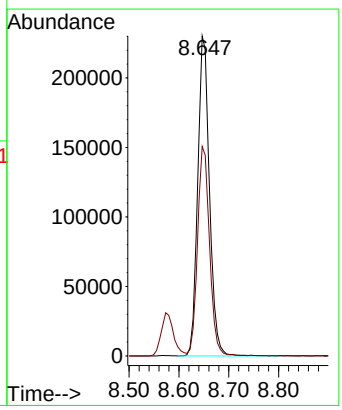


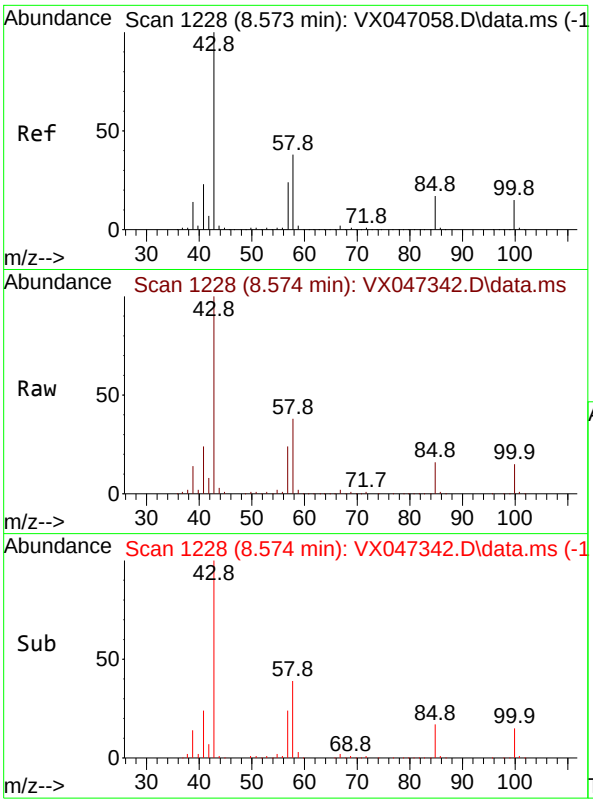


#50
Toluene-d8
Concen: 47.946 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 98 Resp: 376237

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9

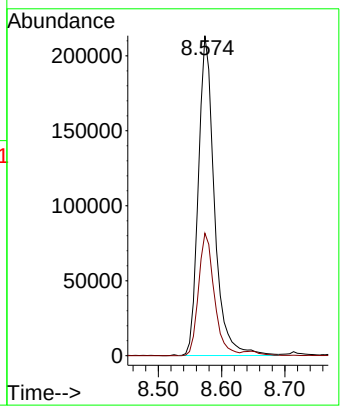




#51
4-Methyl-2-Pentanone
Concen: 107.156 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 43 Resp: 37790

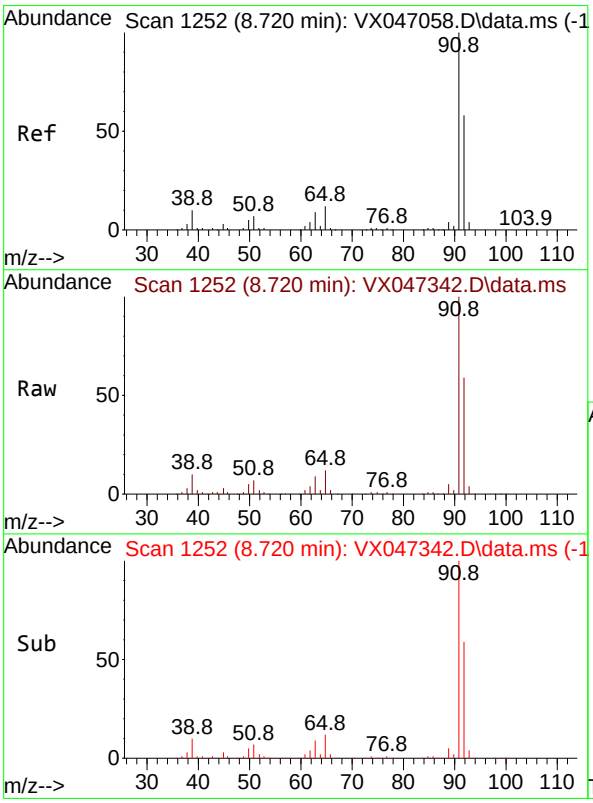
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

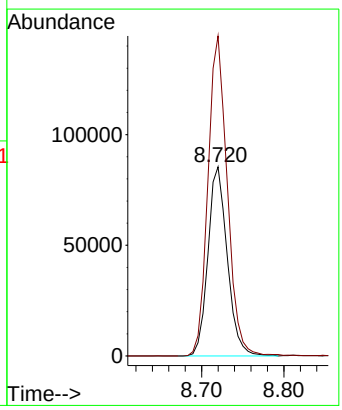
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

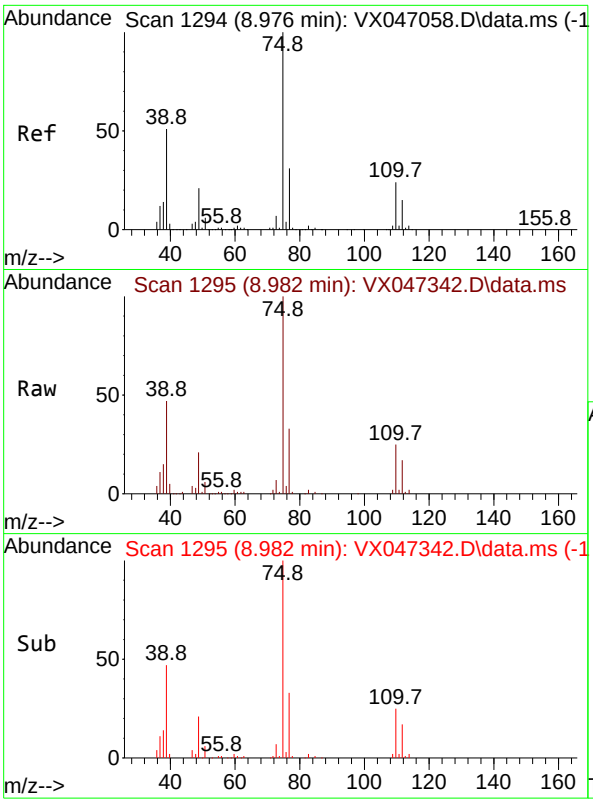


#52
Toluene
Concen: 18.984 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 92 Resp: 139529

Ion	Ratio	Lower	Upper
92	100		
91	169.6	137.9	206.9

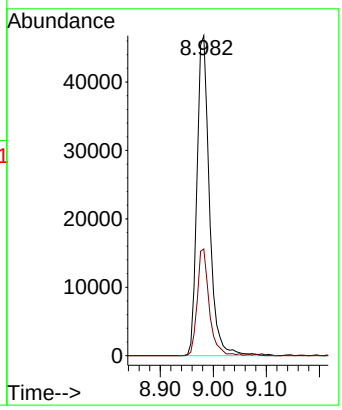




#53
t-1,3-Dichloropropene
Concen: 18.119 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 75 Resp: 7645

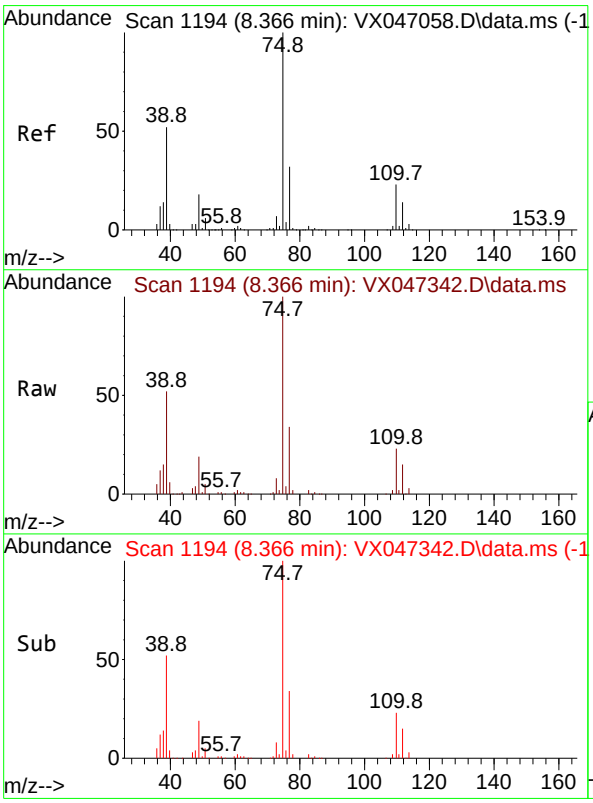
Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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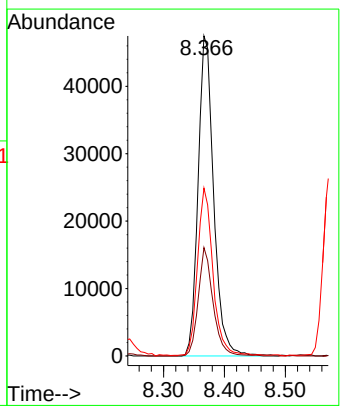
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

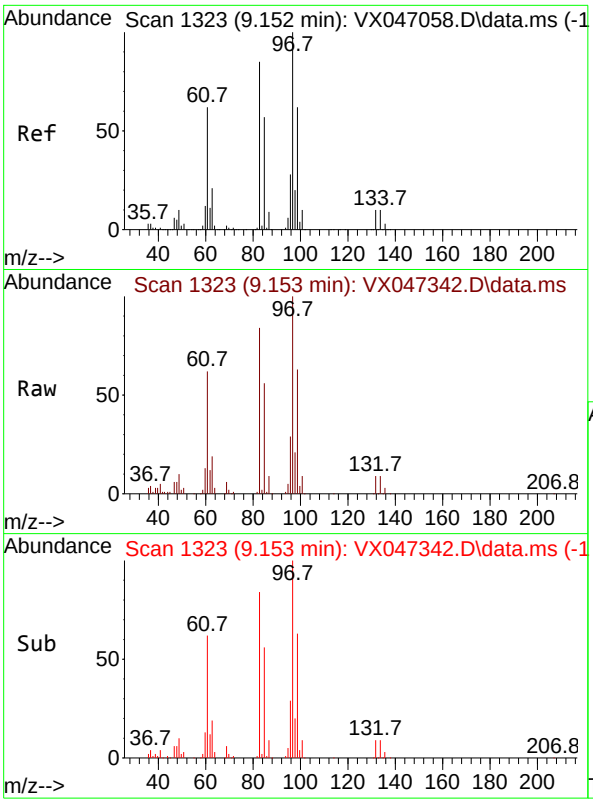


#54
cis-1,3-Dichloropropene
Concen: 18.264 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 75 Resp: 84351

Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.4	38.0
39	52.2	41.8	62.6

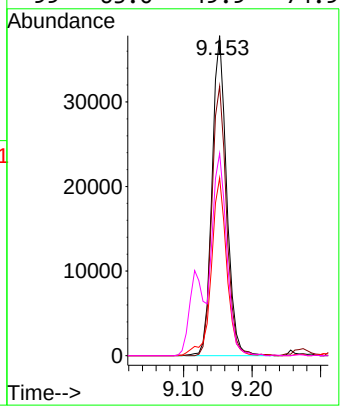




#55
1,1,2-Trichloroethane
Concen: 20.319 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 97 Resp: 5600

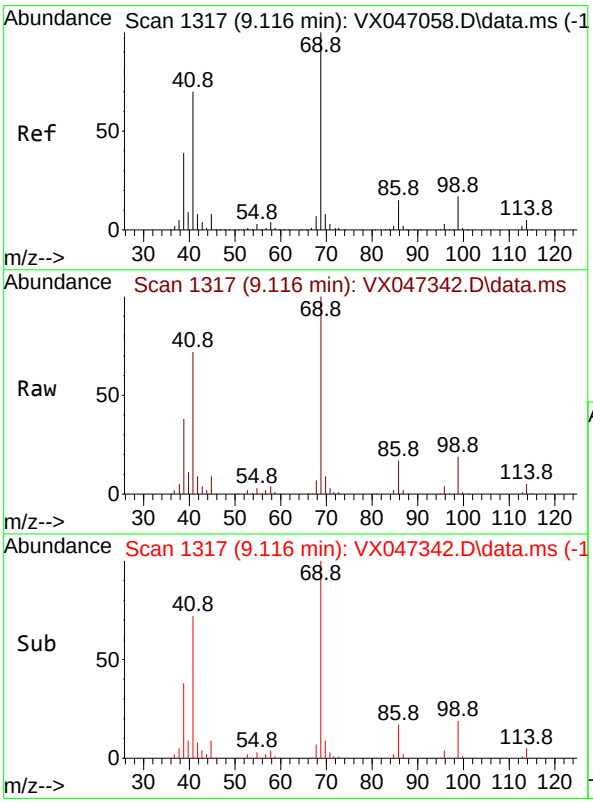
Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.0	102.0
85	55.5	45.2	67.8
99	63.0	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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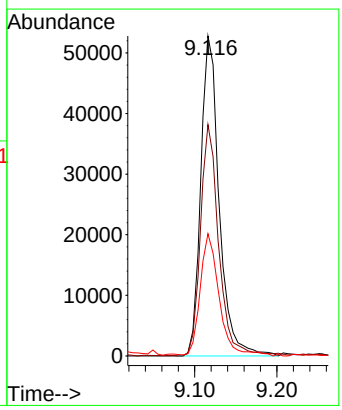
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

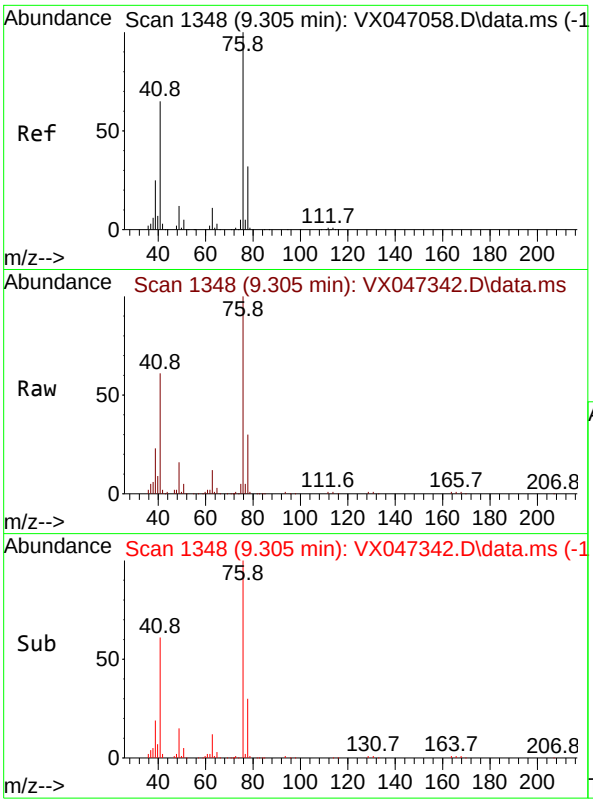


#56
Ethyl methacrylate
Concen: 20.132 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 69 Resp: 82151

Ion	Ratio	Lower	Upper
69	100		
41	71.8	56.1	84.1
39	39.5	31.1	46.7

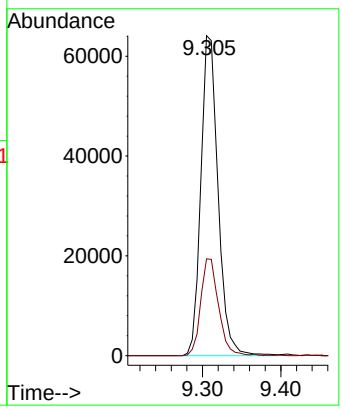




#57
1,3-Dichloropropane
Concen: 20.410 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 76 Resp: 9777

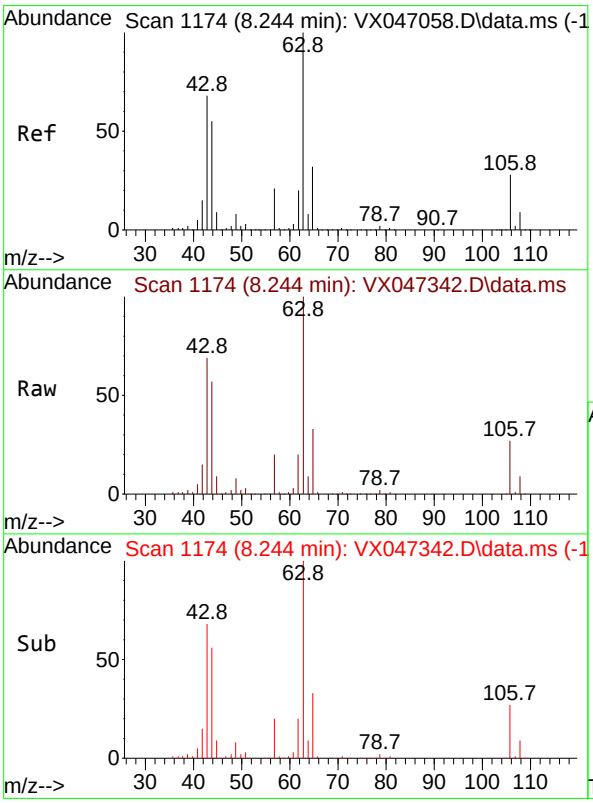
Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

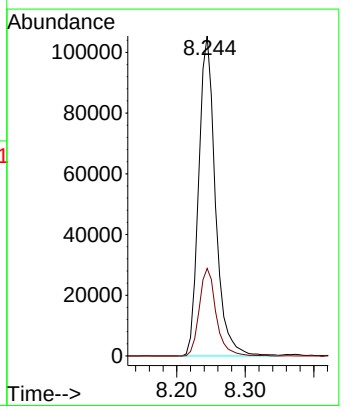
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

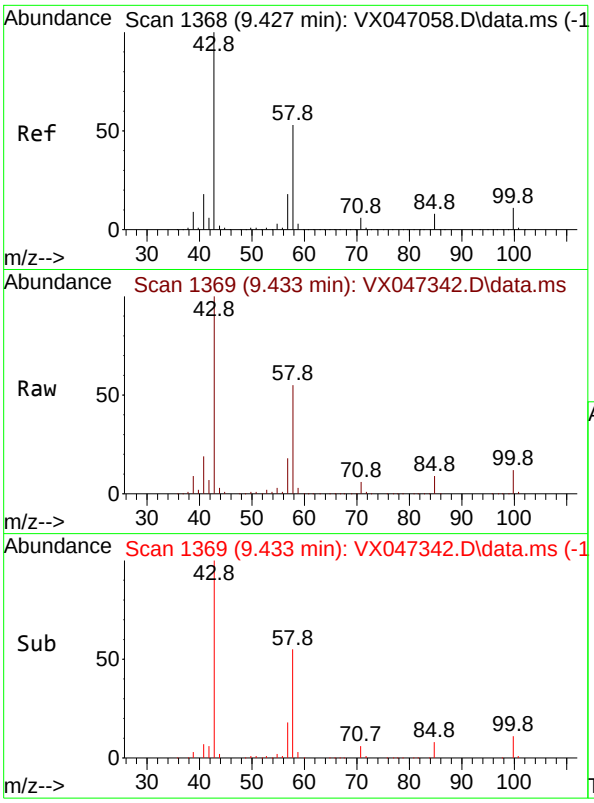


#58
2-Chloroethyl Vinyl ether
Concen: 78.797 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 63 Resp: 178926

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.2	33.4

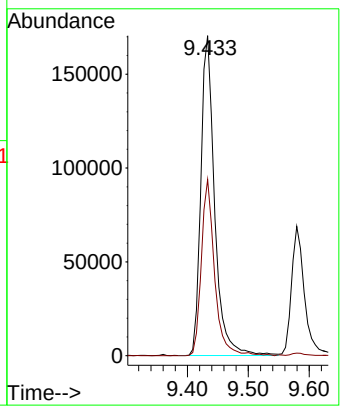




#59
2-Hexanone
Concen: 115.507 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 43 Resp: 26913

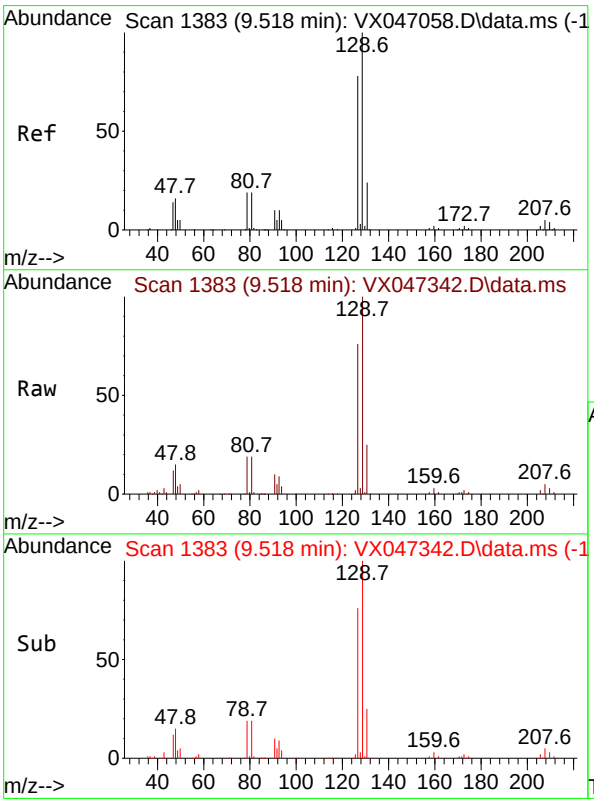
Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

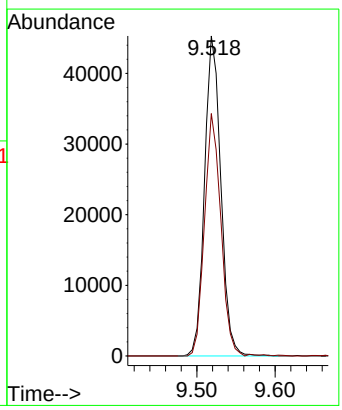
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

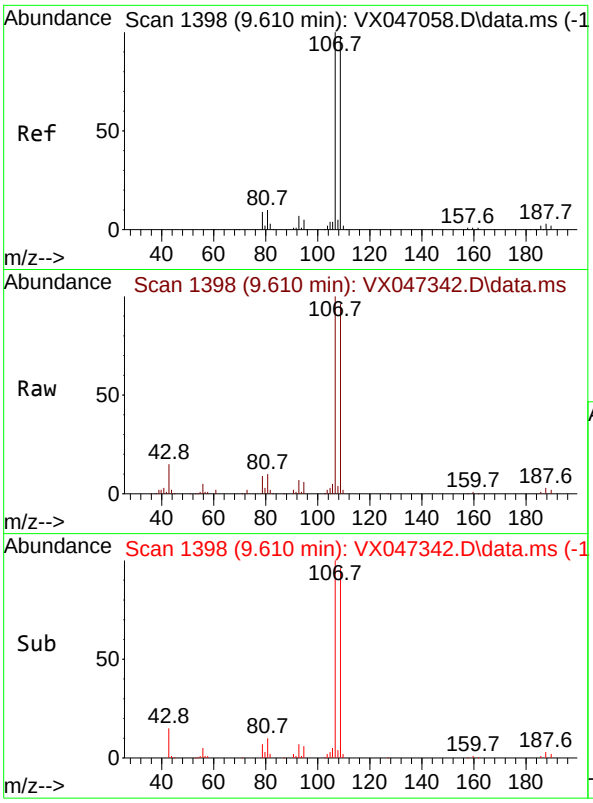


#60
Dibromochloromethane
Concen: 20.162 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:129 Resp: 65177

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.6	115.8

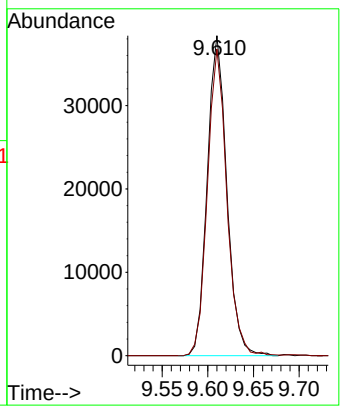




#61
1,2-Dibromoethane
Concen: 19.772 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:107 Resp: 5698

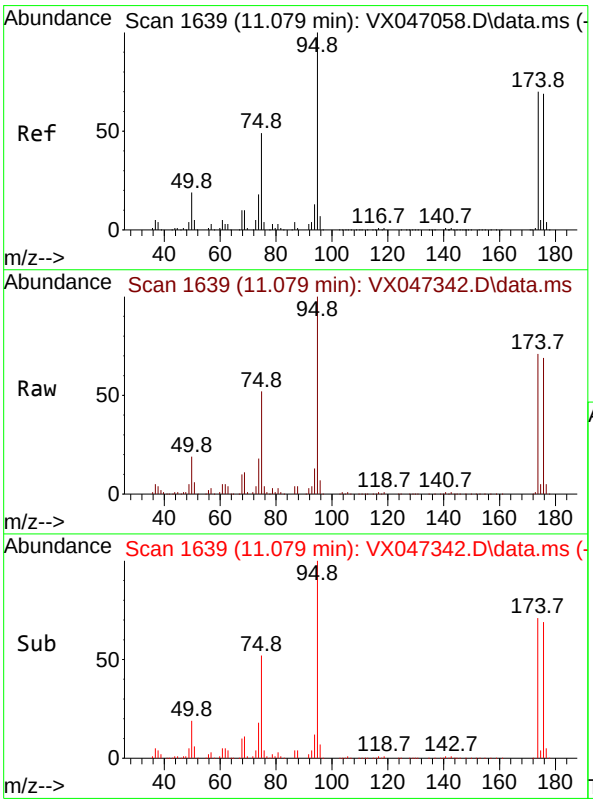
Ion	Ratio	Lower	Upper
107	100		
109	95.4	74.6	112.0



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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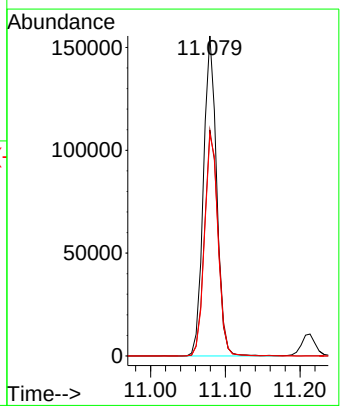
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

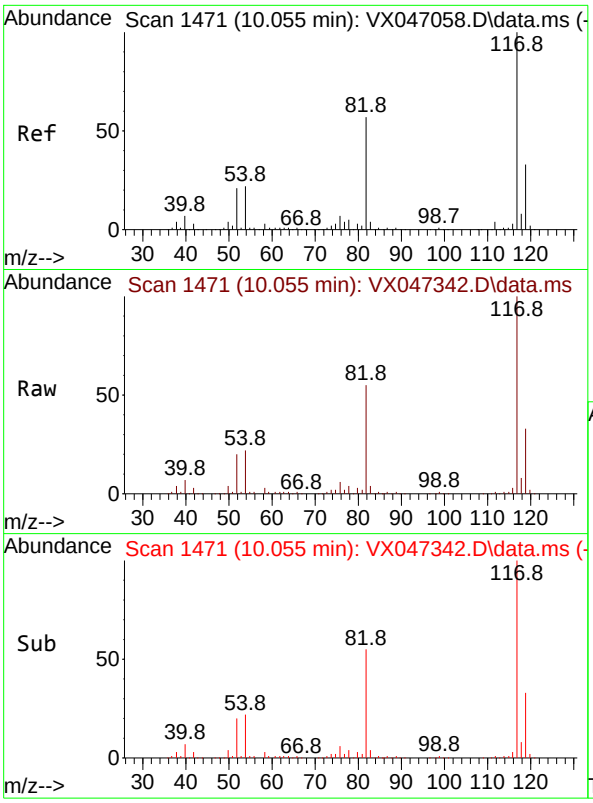


#62
4-Bromofluorobenzene
Concen: 56.162 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 95 Resp: 189921

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	144.6
176	70.8	0.0	139.6

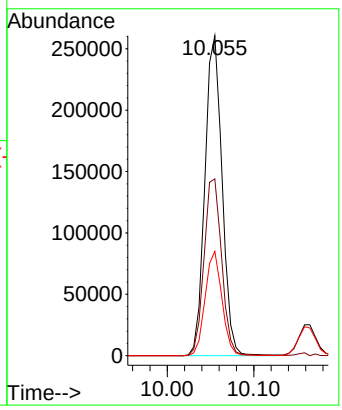




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:117 Resp: 35916

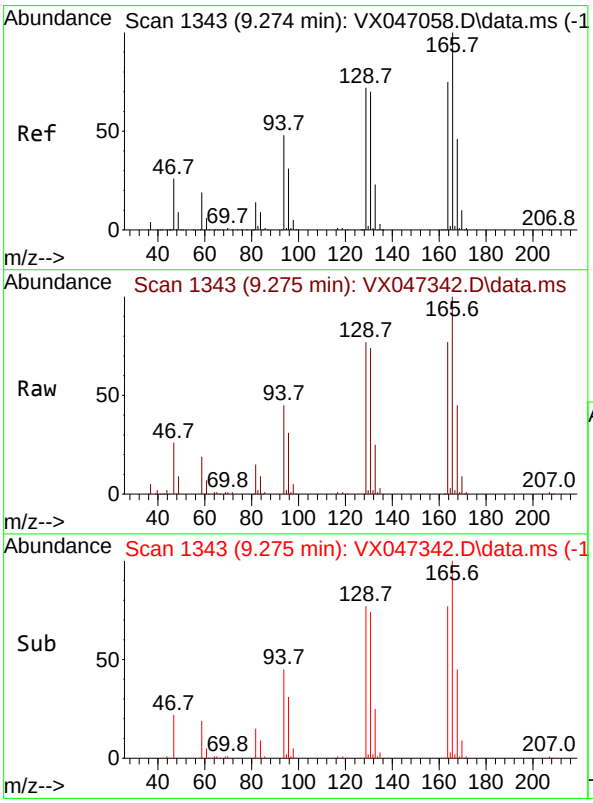
Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.4	68.2
119	32.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

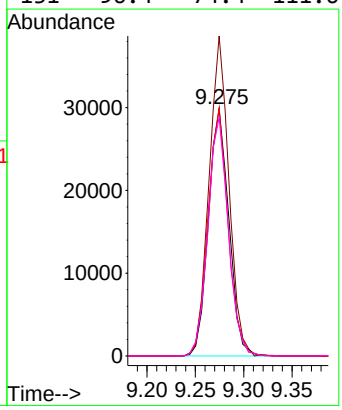
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

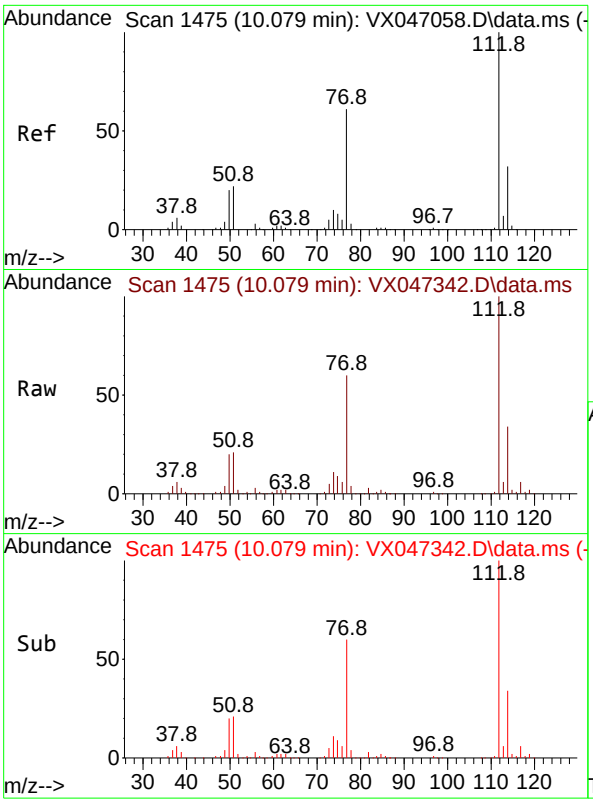


#64
Tetrachloroethene
Concen: 16.937 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:164 Resp: 43853

Ion	Ratio	Lower	Upper
164	100		
166	129.4	106.2	159.4
129	100.3	76.6	114.8
131	96.4	74.4	111.6

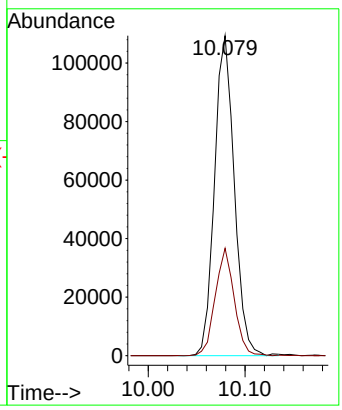




#65
Chlorobenzene
Concen: 18.433 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:112 Resp: 15510

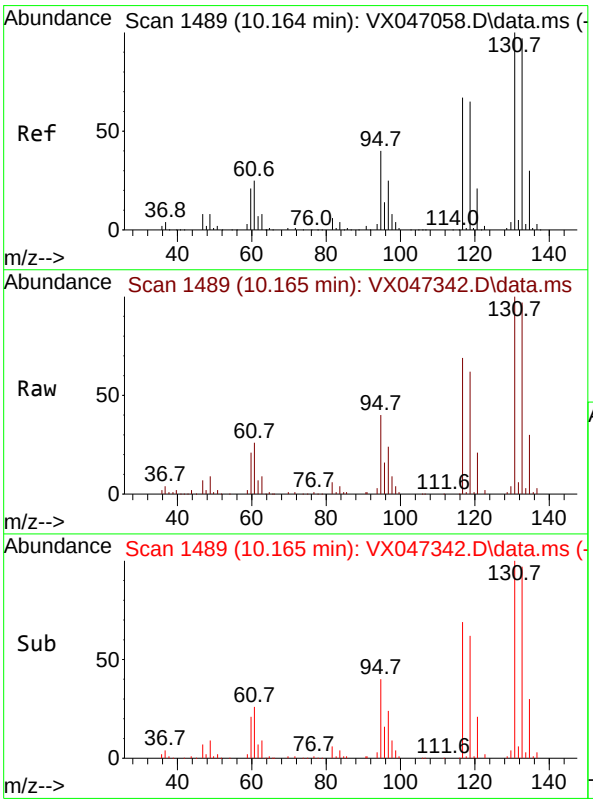
Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

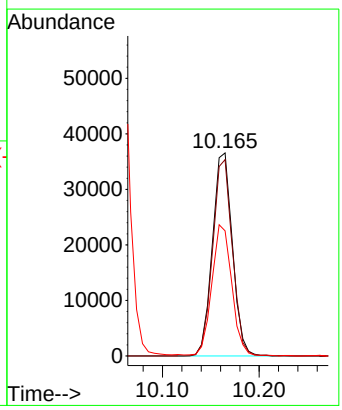
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

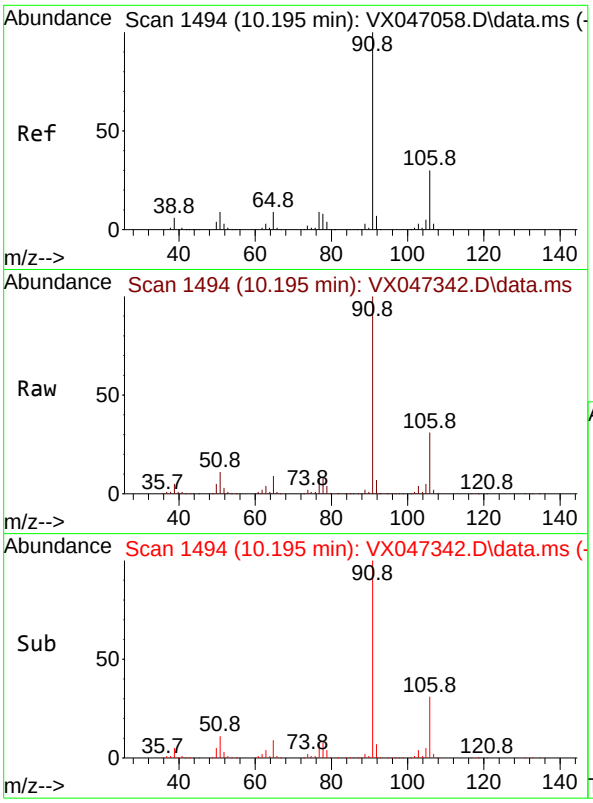


#66
1,1,1,2-Tetrachloroethane
Concen: 18.549 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:131 Resp: 52547

Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.4	145.3
119	64.7	32.4	97.0





#67
Ethyl Benzene
Concen: 17.940 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

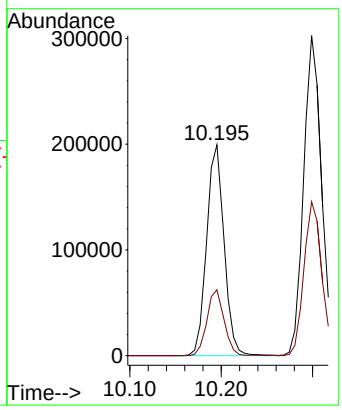
Tgt Ion: 91 Resp: 26392

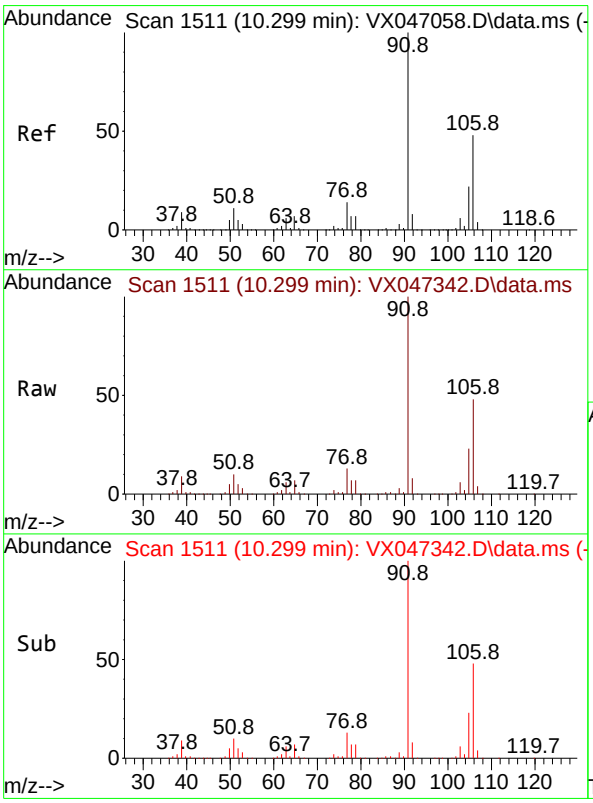
Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.2	36.4

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

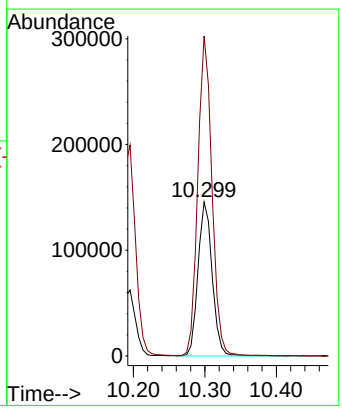


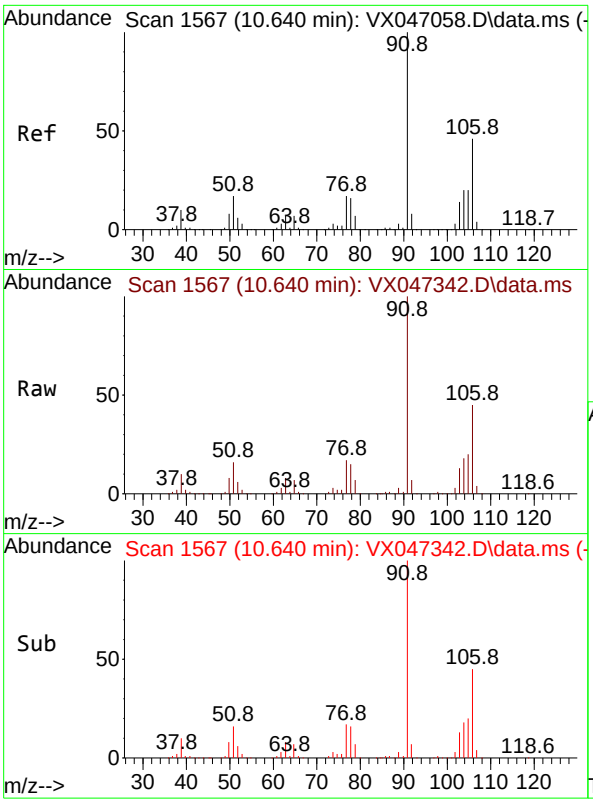


#68
m/p-Xylenes
Concen: 36.350 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:106 Resp: 200119

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.4	251.0

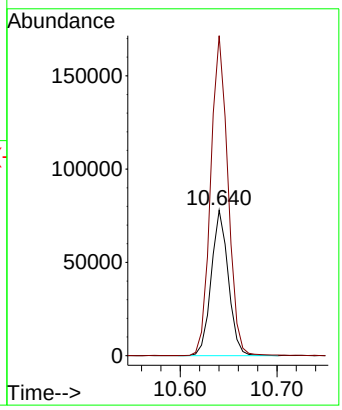




#69
o-Xylene
Concen: 18.235 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:106 Resp: 9550

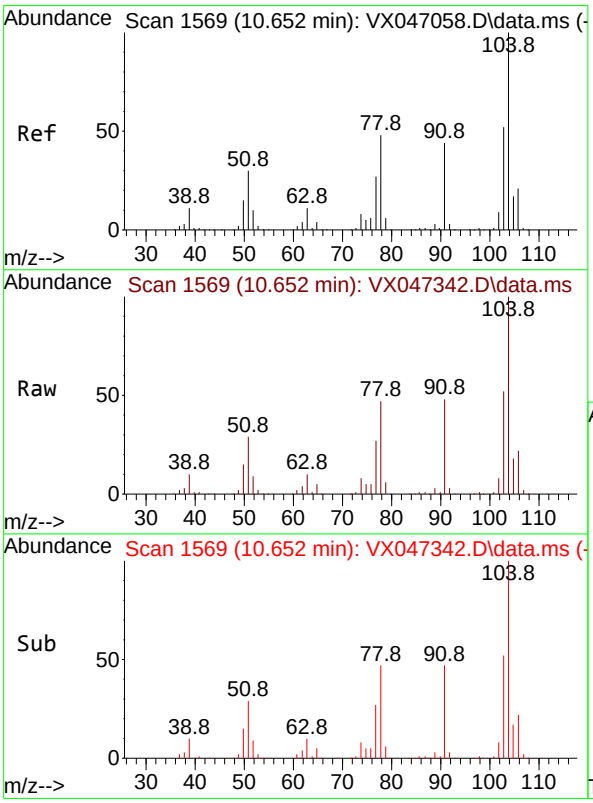
Ion	Ratio	Lower	Upper
106	100		
91	223.5	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

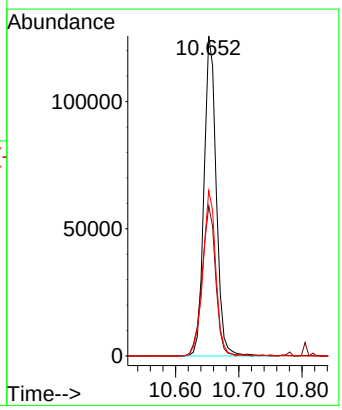
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

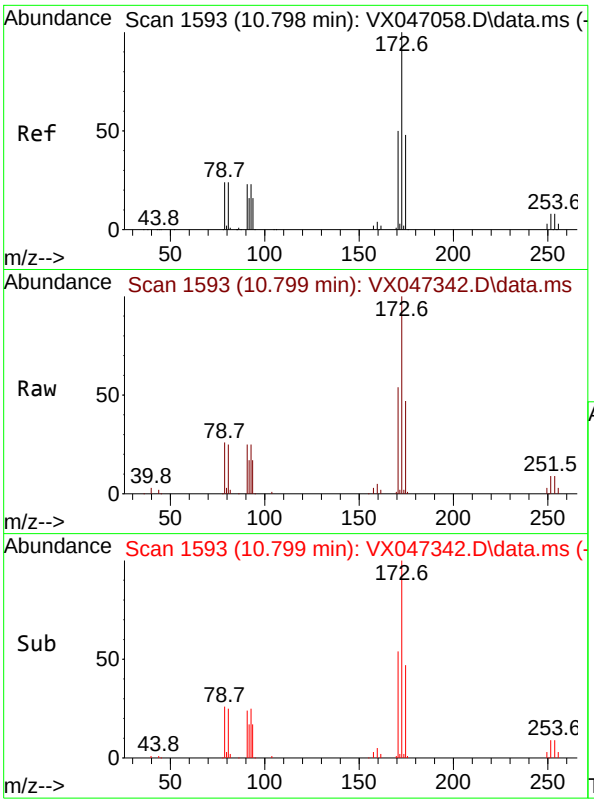


#70
Styrene
Concen: 18.924 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:104 Resp: 169951

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.0	63.0
103	54.4	43.8	65.6

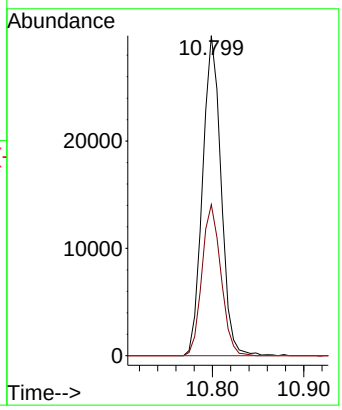




#71
Bromoform
Concen: 19.407 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

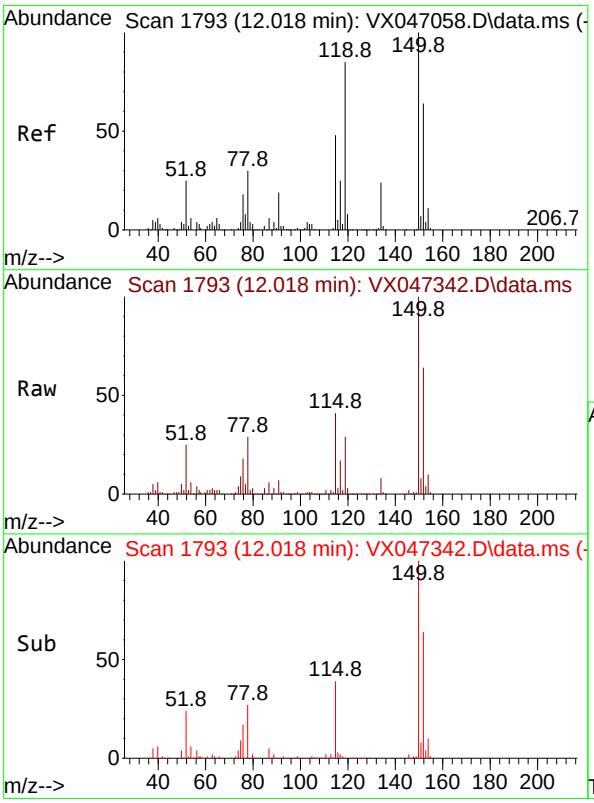
Tgt Ion:173 Resp: 4176

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

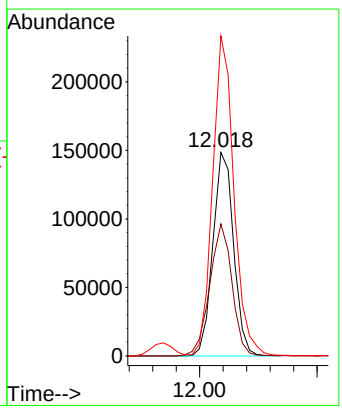
Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

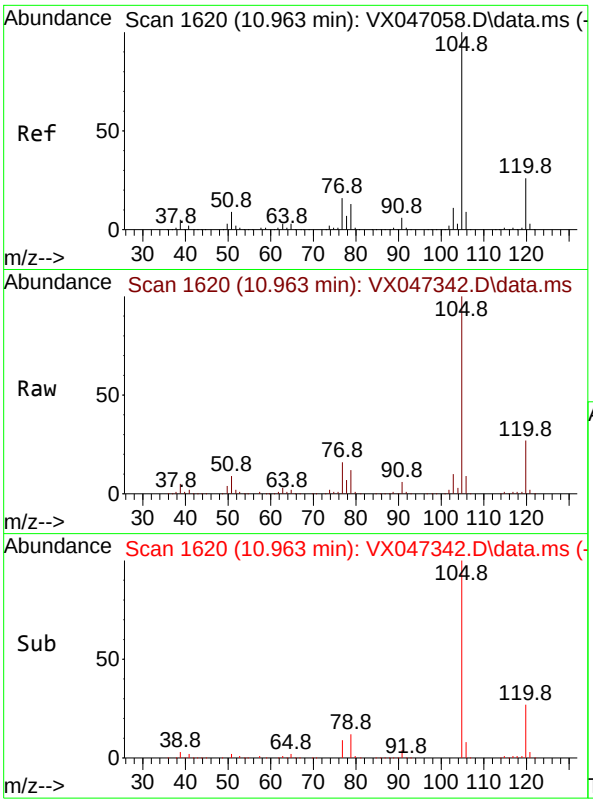


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:152 Resp: 182232

Ion	Ratio	Lower	Upper
152	100		
115	69.5	45.6	136.7
150	161.1	0.0	354.6





#73
Isopropylbenzene
Concen: 17.571 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

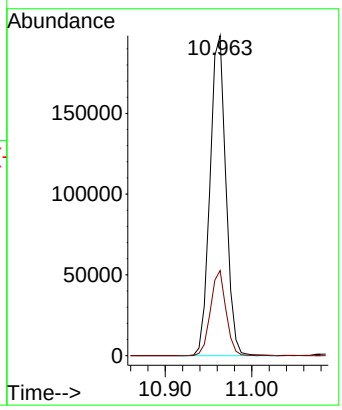
Tgt Ion:105 Resp: 25261

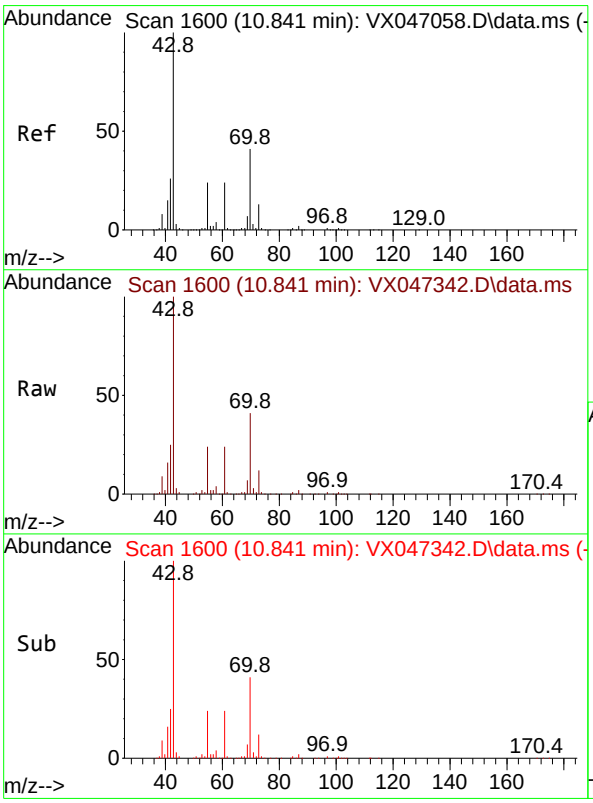
Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

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Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

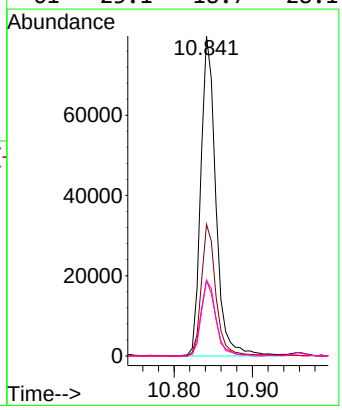


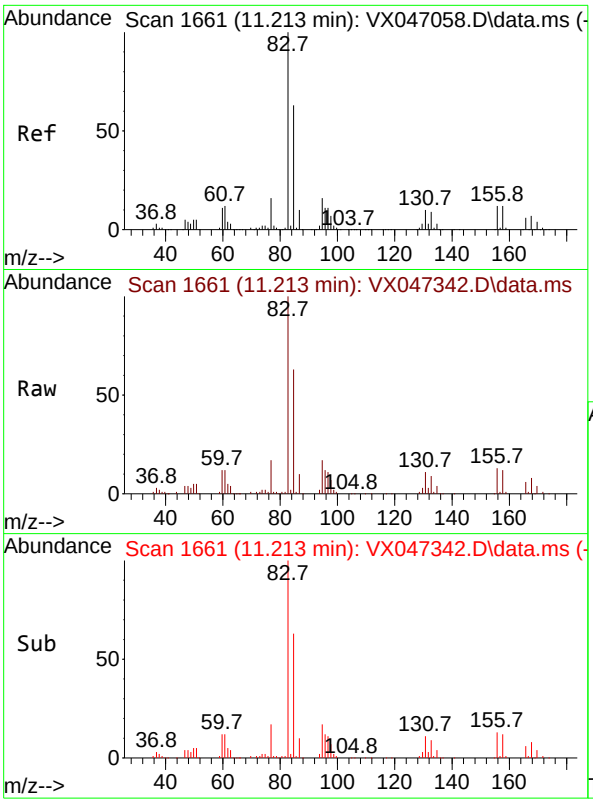


#74
N-amyl acetate
Concen: 18.339 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 43 Resp: 106383

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.3	48.5
55	23.9	18.9	28.3
61	23.1	18.7	28.1

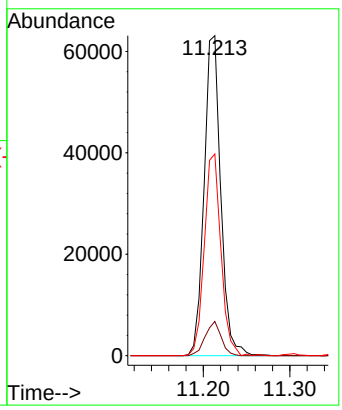




#75
1,1,2,2-Tetrachloroethane
Concen: 20.490 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 83 Resp: 8414

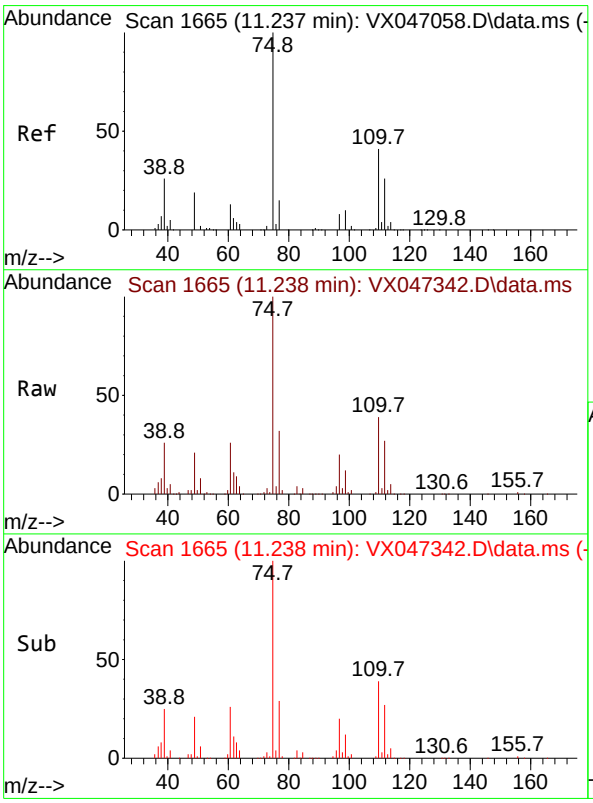
Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	14.9
85	63.1	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

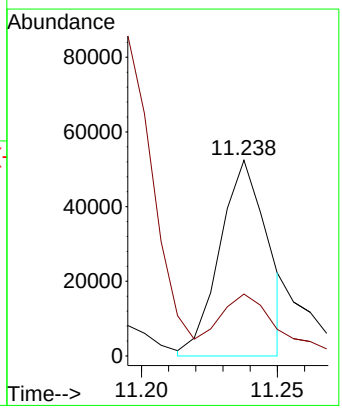
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

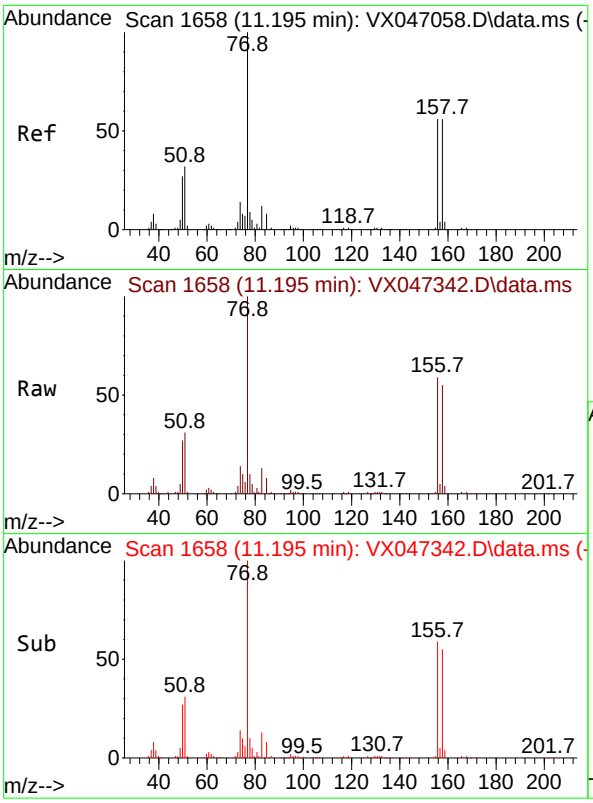


#76
1,2,3-Trichloropropane
Concen: 18.929 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 75 Resp: 63847

Ion	Ratio	Lower	Upper
75	100		
77	39.8	21.6	65.0

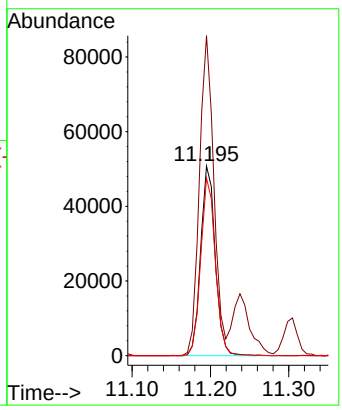




#77
Bromobenzene
Concen: 19.038 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:156 Resp: 6565

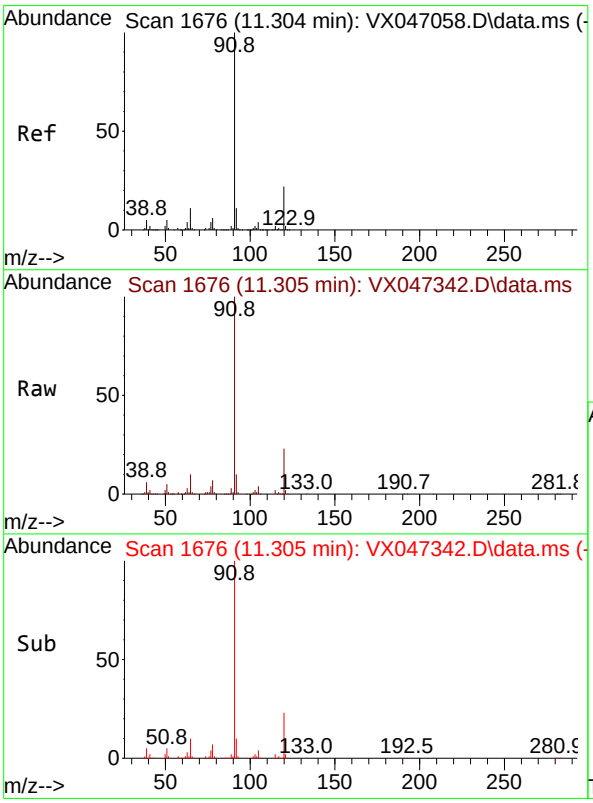
Ion	Ratio	Lower	Upper
156	100		
77	167.1	87.3	261.9
158	93.8	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

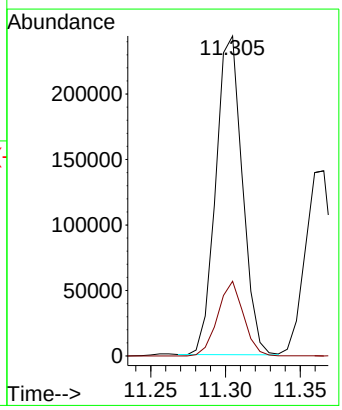
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

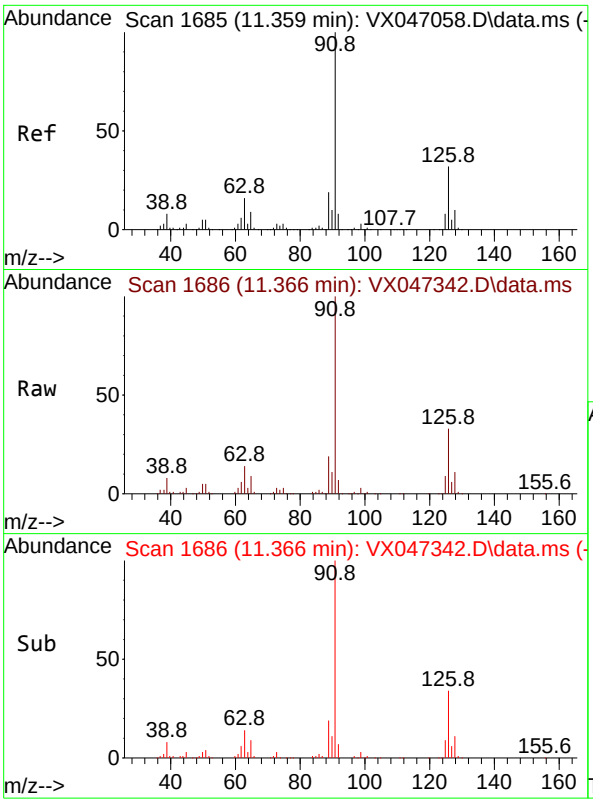


#78
n-propylbenzene
Concen: 17.479 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 91 Resp: 300287

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.0	33.0

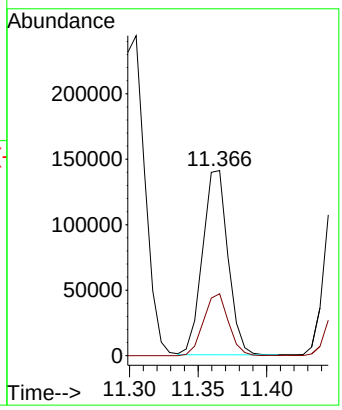




#79
2-Chlorotoluene
Concen: 17.757 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 91 Resp: 18236

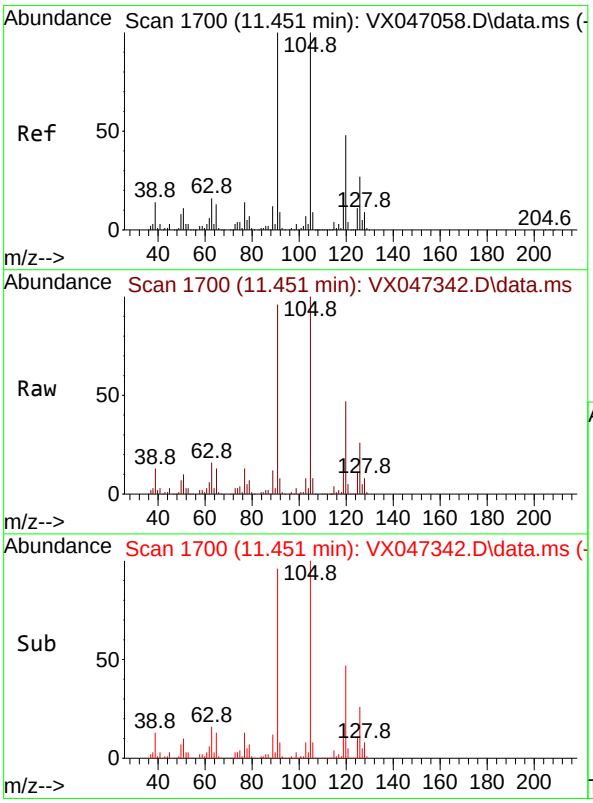
Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

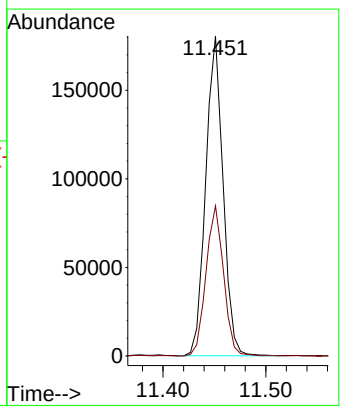
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

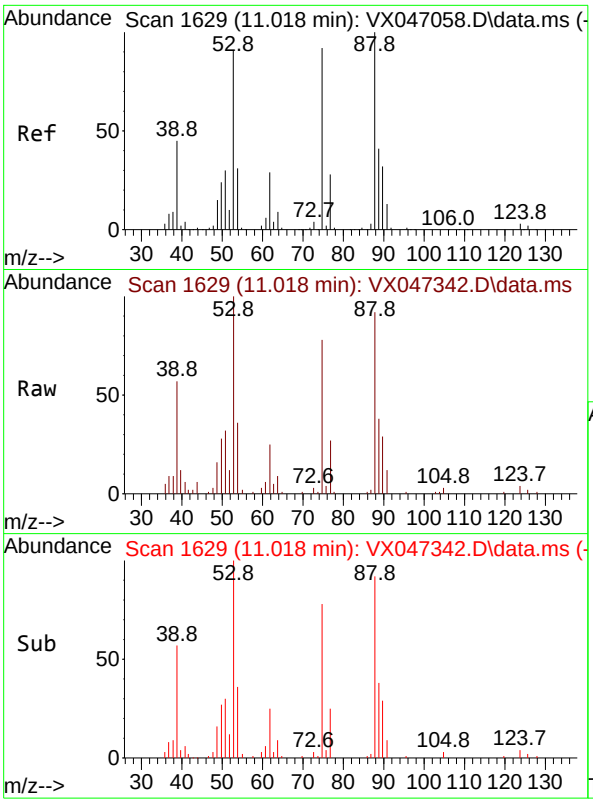


#80
1,3,5-Trimethylbenzene
Concen: 17.834 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:105 Resp: 211824

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.5

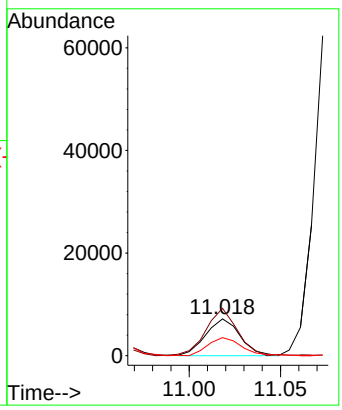




#81
trans-1,4-Dichloro-2-butene
Concen: 7.149 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

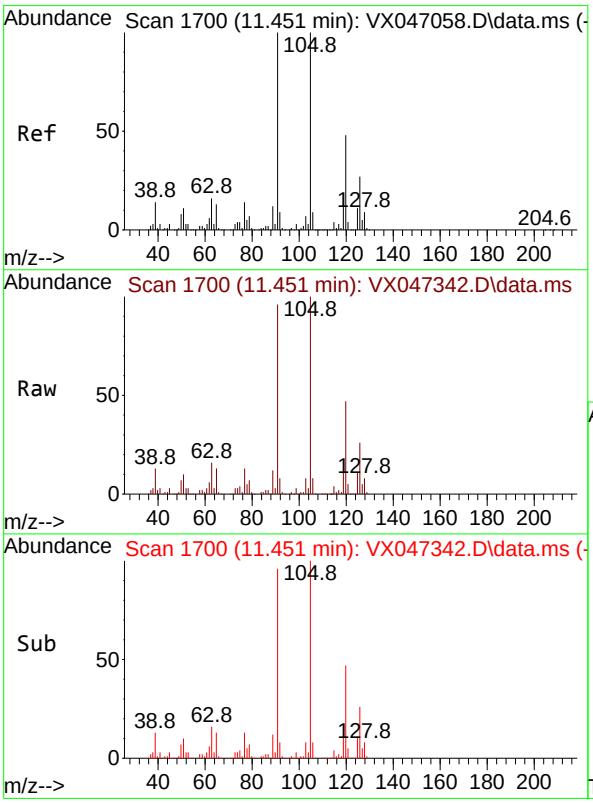
Tgt Ion: 75 Resp: 935

Ion	Ratio	Lower	Upper
75	100		
53	120.3	84.2	126.4
89	48.3	36.0	54.0



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

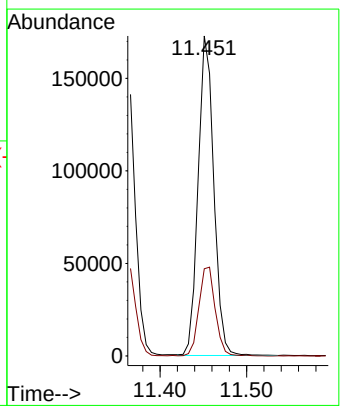
Manual Integrations APPROVED
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

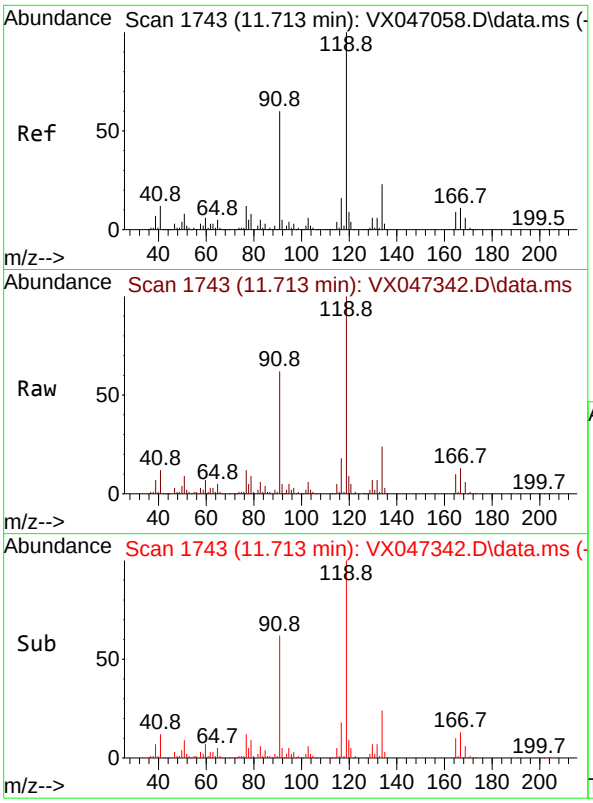


#82
4-Chlorotoluene
Concen: 18.113 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 91 Resp: 217124

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.3

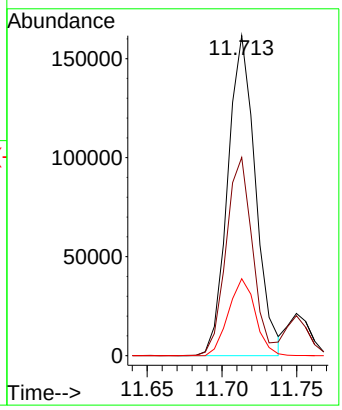




#83
tert-Butylbenzene
Concen: 17.471 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:119 Resp: 20828

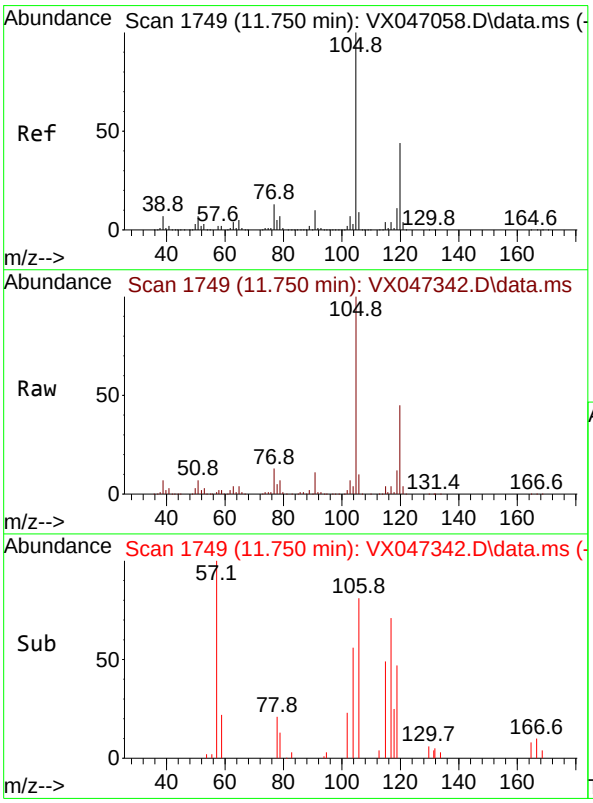
Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	23.4	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

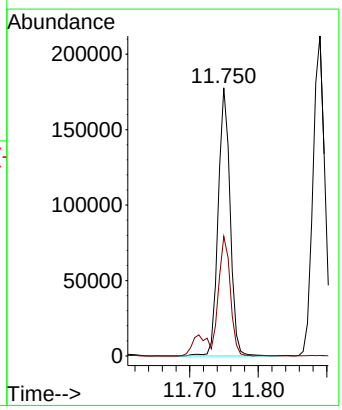
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

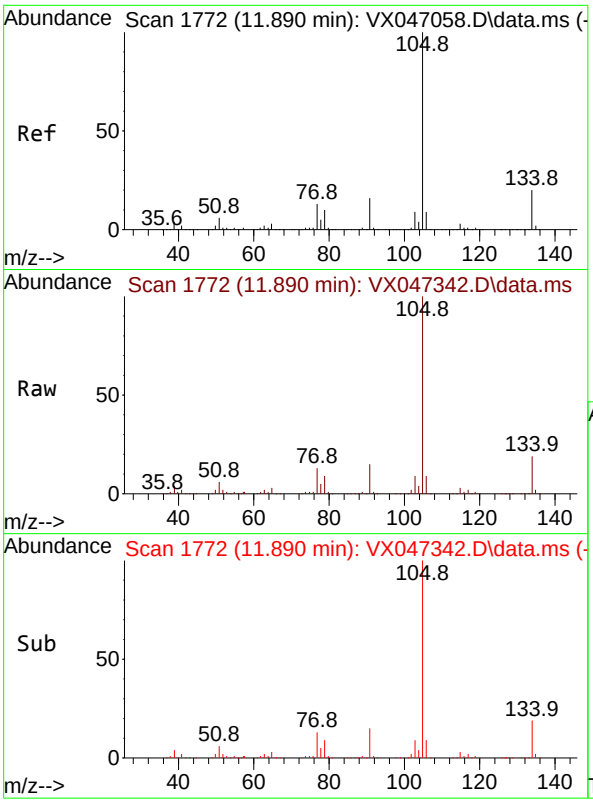


#84
1,2,4-Trimethylbenzene
Concen: 17.974 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:105 Resp: 212939

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.0	66.0

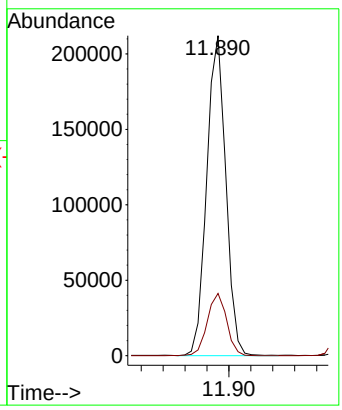




#85
sec-Butylbenzene
Concen: 17.205 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:105 Resp: 25627

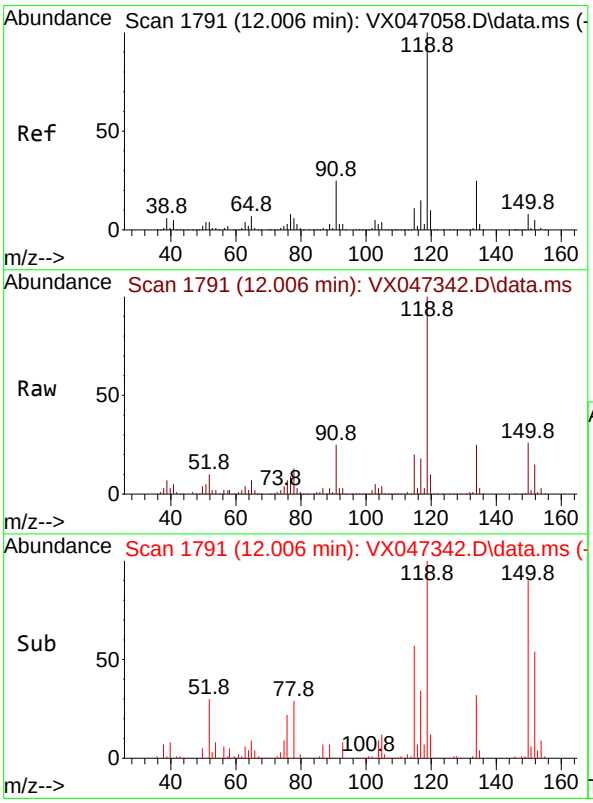
Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.9	29.7



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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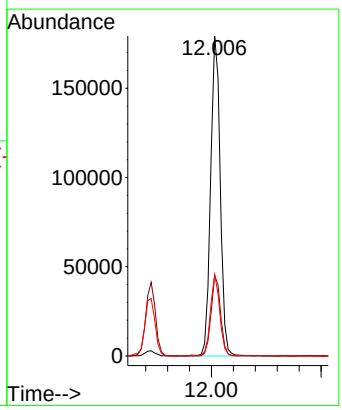
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

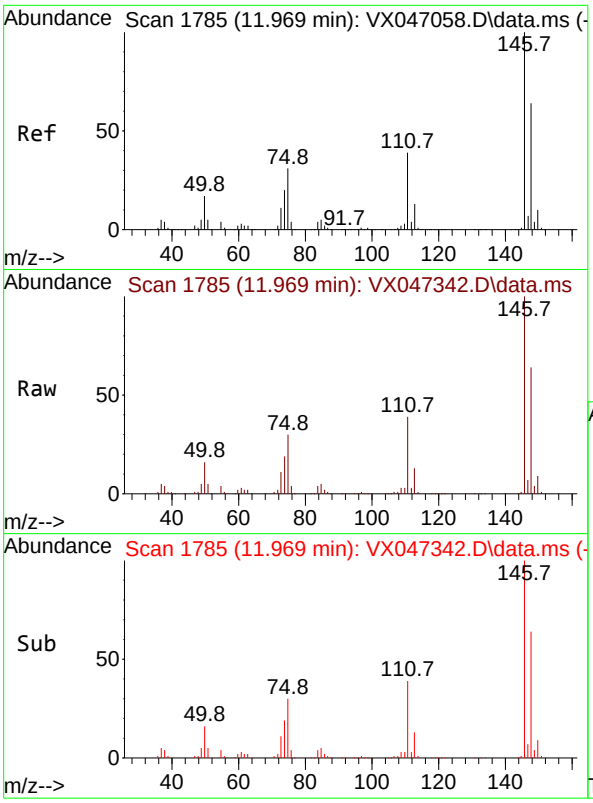


#86
p-Isopropyltoluene
Concen: 17.569 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:119 Resp: 217017

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.8	38.4
91	24.6	12.4	37.4

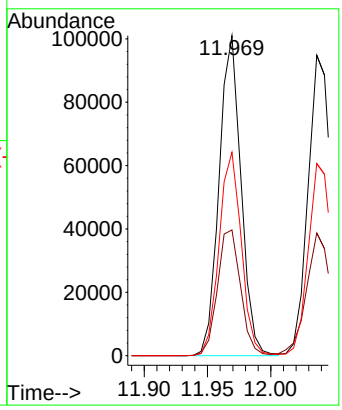




#87
1,3-Dichlorobenzene
Concen: 18.574 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:146 Resp: 12170

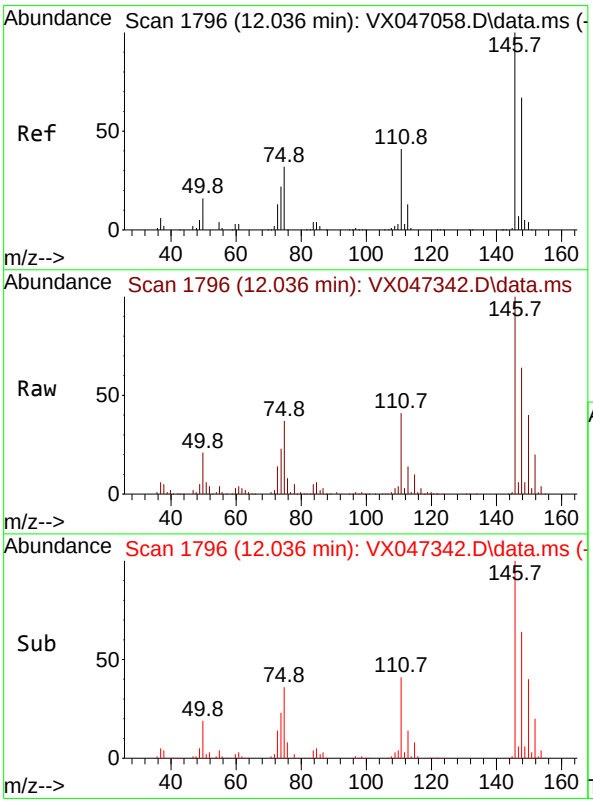
Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.0	63.0
148	64.5	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
APPROVED

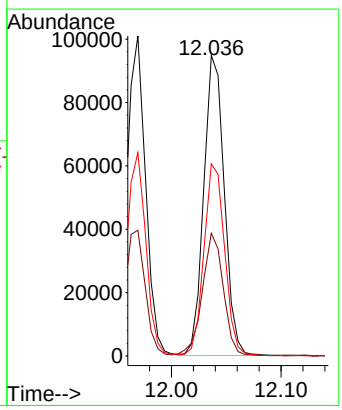
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

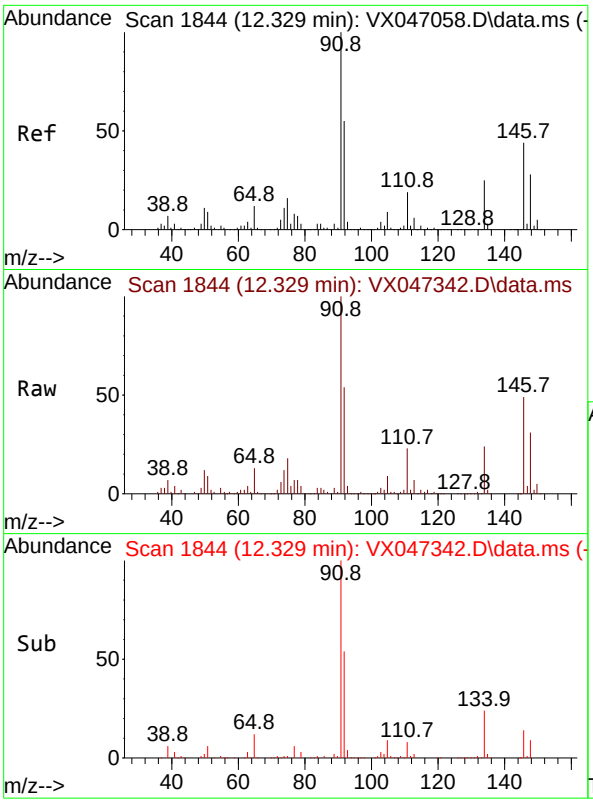


#88
1,4-Dichlorobenzene
Concen: 18.580 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:146 Resp: 123336

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.6	61.9
148	64.9	33.0	98.9

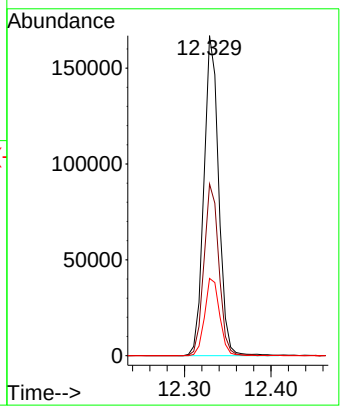




#89
n-Butylbenzene
Concen: 17.053 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 91 Resp: 19754

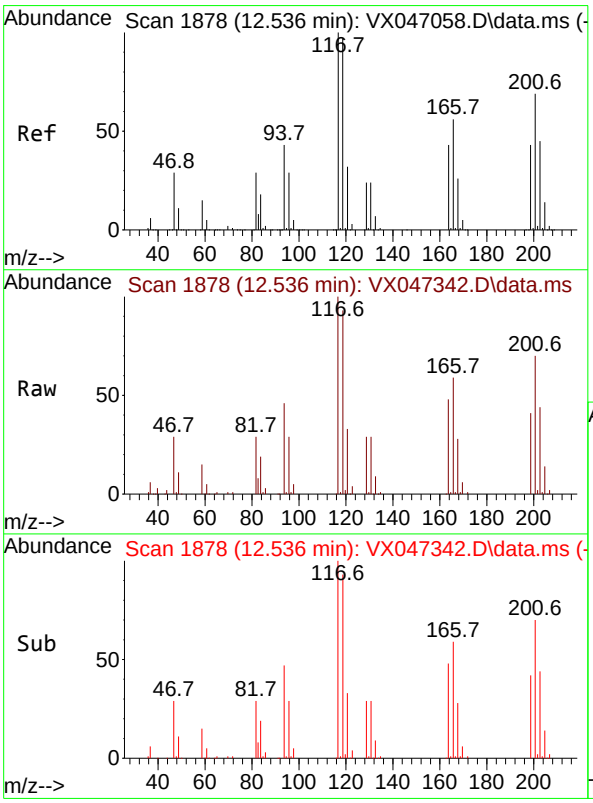
Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.5
134	24.5	12.8	38.3



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

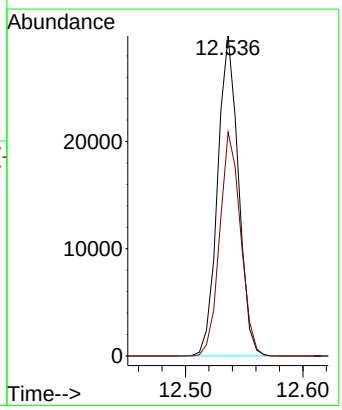
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

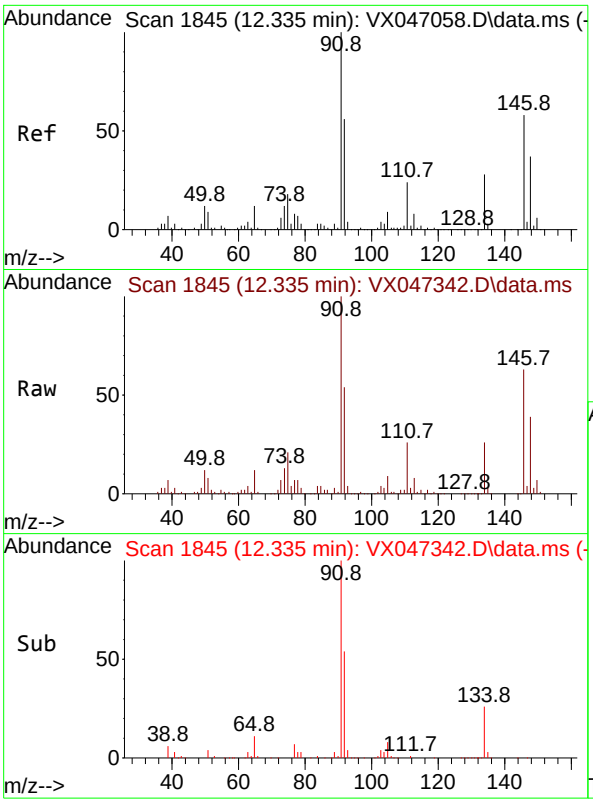


#90
Hexachloroethane
Concen: 16.604 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:117 Resp: 36692

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.8	104.5

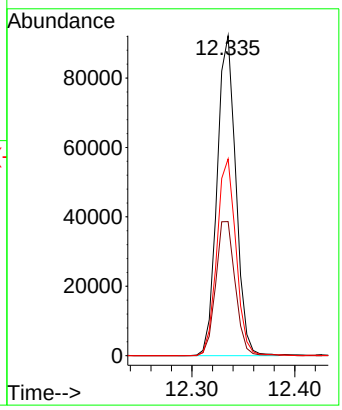




#91
1,2-Dichlorobenzene
Concen: 18.618 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:146 Resp: 11659

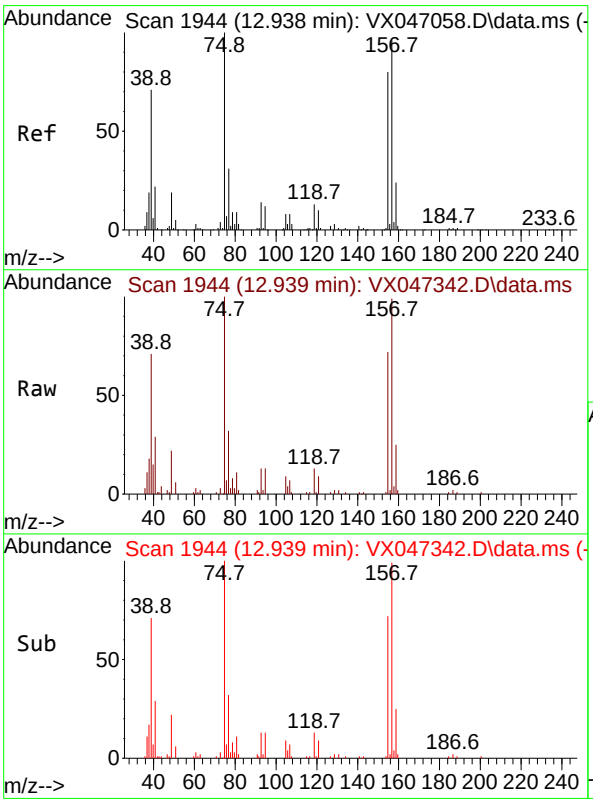
Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.6
148	62.6	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

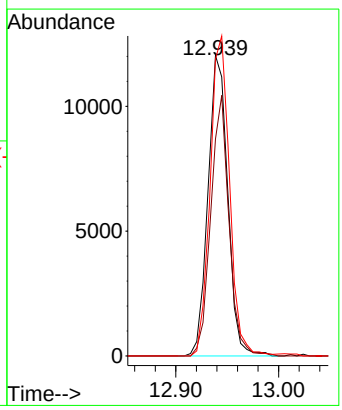
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

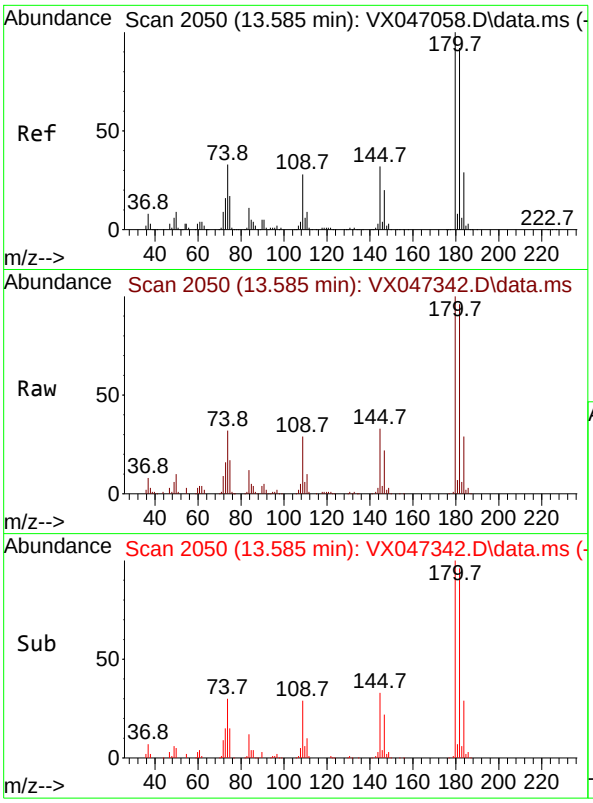


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.400 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 75 Resp: 16081

Ion	Ratio	Lower	Upper
75	100		
155	80.1	41.3	124.1
157	104.8	52.8	158.3

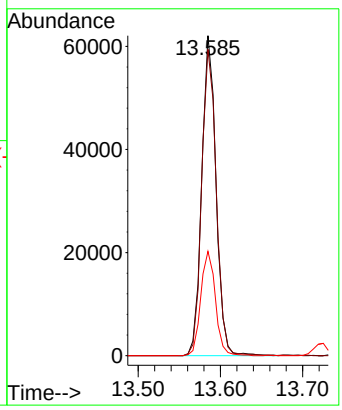




#93
1,2,4-Trichlorobenzene
Concen: 18.116 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:180 Resp: 7495

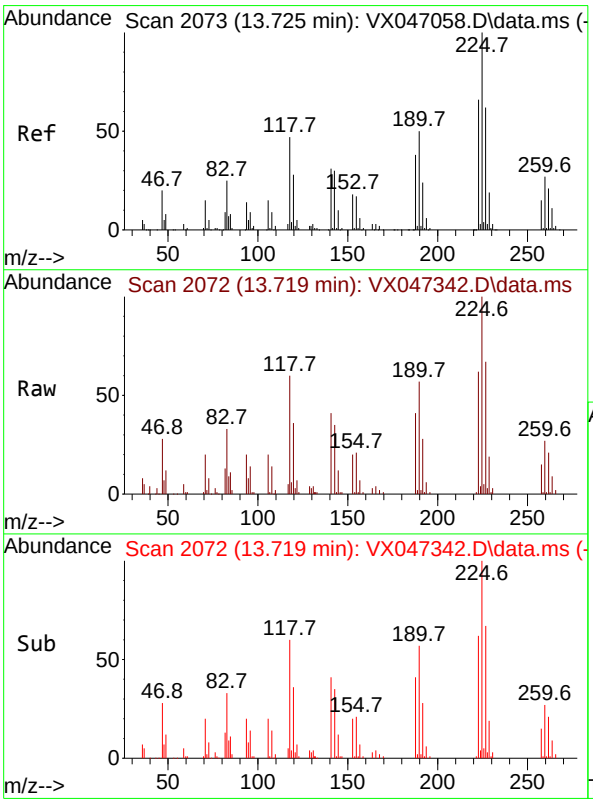
Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.3	141.8
145	33.4	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations APPROVED

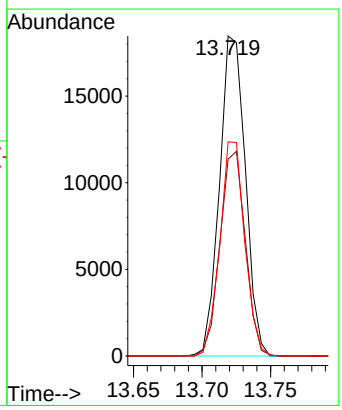
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

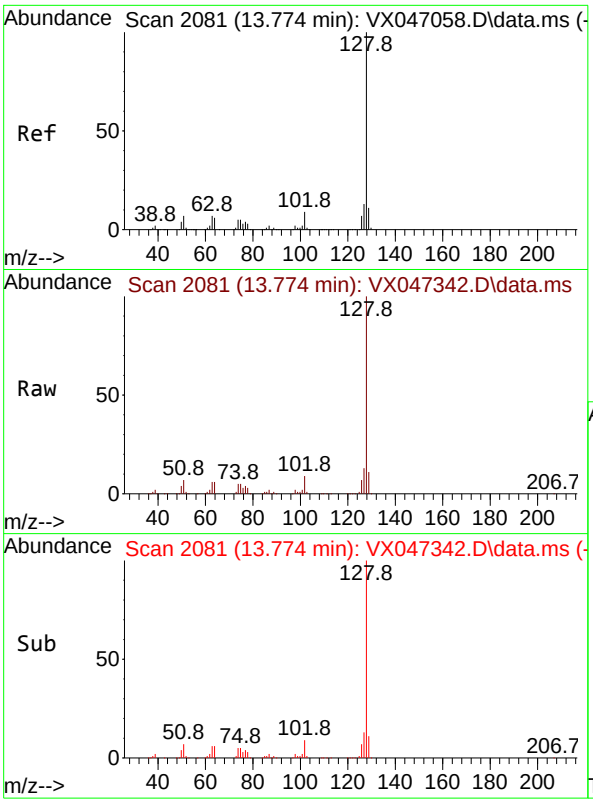


#94
Hexachlorobutadiene
Concen: 17.208 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:225 Resp: 24213

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	95.0
227	64.5	32.9	98.6

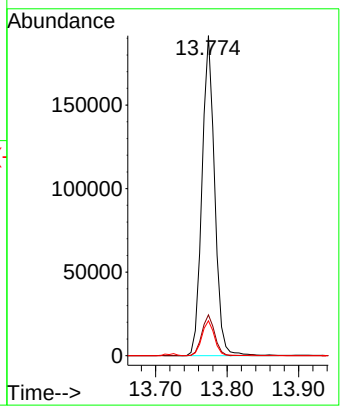




#95
Naphthalene
Concen: 19.417 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:128 Resp: 23551

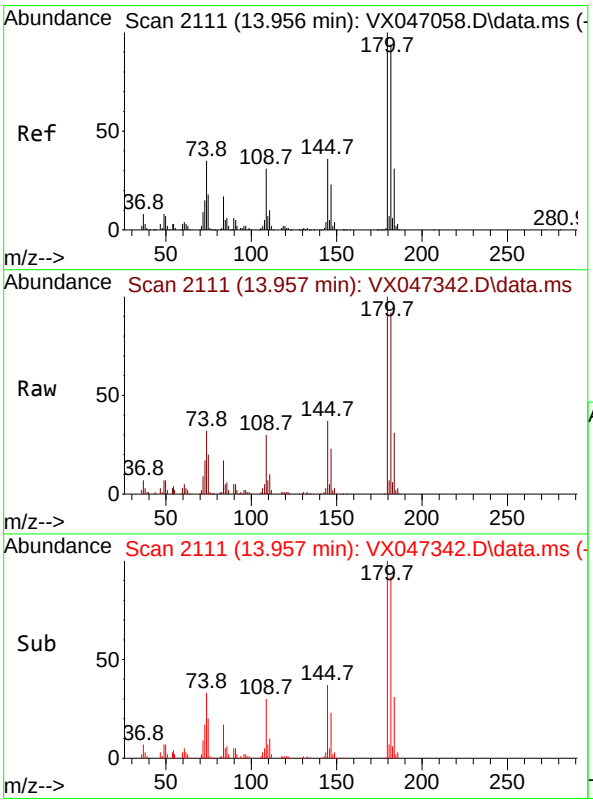
Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Manual Integrations
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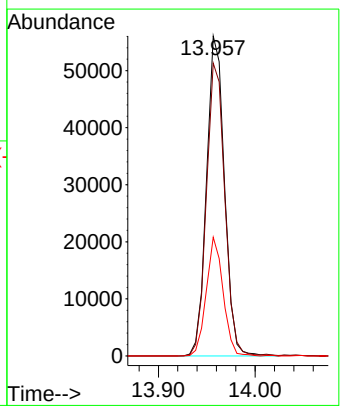
Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



#96
1,2,3-Trichlorobenzene
Concen: 18.180 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:180 Resp: 72465

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.6
145	34.9	17.3	52.0



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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0812WBSD01	SDG No.:	Q2814
Lab Sample ID:	VX0812WBSD01	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
VX047292.D	1	08/12/25 13:26	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
TARGETS							
75-71-8	Dichlorodifluoromethane	20.3		0.22	0.50	1.00	ug/L
74-87-3	Chloromethane	17.6		0.32	0.50	1.00	ug/L
75-01-4	Vinyl Chloride	19.5		0.26	0.75	1.00	ug/L
74-83-9	Bromomethane	18.3		1.40	3.80	5.00	ug/L
75-00-3	Chloroethane	17.6		0.47	0.75	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.33	0.50	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		0.25	0.50	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	0.75	1.00	ug/L
67-64-1	Acetone	94.3		1.50	3.80	5.00	ug/L
75-15-0	Carbon Disulfide	18.4		0.21	0.75	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.5		0.16	0.50	1.00	ug/L
79-20-9	Methyl Acetate	20.0		0.27	0.75	1.00	ug/L
75-09-2	Methylene Chloride	19.5		0.28	0.50	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.4		0.23	0.50	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	0.50	1.00	ug/L
110-82-7	Cyclohexane	18.9		1.50	2.50	5.00	ug/L
78-93-3	2-Butanone	91.1		0.98	2.50	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.8		0.25	0.50	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.2		0.19	0.75	1.00	ug/L
74-97-5	Bromochloromethane	23.9		0.22	0.50	1.00	ug/L
67-66-3	Chloroform	19.8		0.25	0.50	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.2		0.20	0.50	1.00	ug/L
108-87-2	Methylcyclohexane	18.3		0.16	0.50	1.00	ug/L
71-43-2	Benzene	19.4		0.15	0.50	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.4		0.22	0.50	1.00	ug/L
79-01-6	Trichloroethene	19.1		0.090	0.75	1.00	ug/L
78-87-5	1,2-Dichloropropane	18.9		0.20	0.50	1.00	ug/L
75-27-4	Bromodichloromethane	19.1		0.22	0.50	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	98.7		0.68	2.50	5.00	ug/L
108-88-3	Toluene	19.9		0.14	0.50	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:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0812WBSD01	SDG No.:	Q2814
Lab Sample ID:	VX0812WBSD01	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
VX047292.D	1	08/12/25 13:26	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.2		0.17	0.50	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.16	0.50	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.7		0.21	0.50	1.00	ug/L
591-78-6	2-Hexanone	100		0.89	2.50	5.00	ug/L
124-48-1	Dibromochloromethane	19.5		0.18	0.50	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.2		0.15	0.50	1.00	ug/L
127-18-4	Tetrachloroethene	18.7		0.23	0.50	1.00	ug/L
108-90-7	Chlorobenzene	19.2		0.12	0.50	1.00	ug/L
100-41-4	Ethyl Benzene	19.1		0.13	0.50	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.24	1.00	2.00	ug/L
95-47-6	o-Xylene	19.6		0.12	0.50	1.00	ug/L
100-42-5	Styrene	19.6		0.15	0.50	1.00	ug/L
75-25-2	Bromoform	19.2		0.19	0.50	1.00	ug/L
98-82-8	Isopropylbenzene	18.2		0.12	0.50	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.4		0.26	0.50	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	17.9		0.16	0.50	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.3		0.19	0.50	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.3		0.16	0.50	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.6		0.53	0.75	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	17.3		0.20	0.50	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	17.5		0.20	0.75	1.00	ug/L
SURROGATES							
17060-07-0	1,2-Dichloroethane-d4	48.9		81 - 118		98%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		80 - 119		102%	SPK: 50
2037-26-5	Toluene-d8	45.3		89 - 112		91%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.3		85 - 114		103%	SPK: 50
INTERNAL STANDARDS							
363-72-4	Pentafluorobenzene	232000	5.568				
540-36-3	1,4-Difluorobenzene	397000	6.769				
3114-55-4	Chlorobenzene-d5	360000	10.055				
3855-82-1	1,4-Dichlorobenzene-d4	188000	12.018				

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

Report of Analysis

Client:	First Environment, Inc.	Date Collected:	
Project:	USACE018-44 DOD	Date Received:	
Client Sample ID:	VX0812WBSD01	SDG No.:	Q2814
Lab Sample ID:	VX0812WBSD01	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
VX047292.D	1	08/12/25 13:26	VX081225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOD	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\VX081225\
Data File : VX047292.D
Acq On : 12 Aug 2025 13:26
Operator : JC/MD
Sample : VX0812WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 13 01:19:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	231626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	397164	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	359769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	187721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	141091	48.899	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.800%			
35) Dibromofluoromethane	5.397	113	125269	51.084	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.160%			
50) Toluene-d8	8.653	98	359955	45.326	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 90.660%#			
62) 4-Bromofluorobenzene	11.079	95	175522	51.287	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.580%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	62552	20.332	ug/l	99
3) Chloromethane	1.313	50	53699	17.645	ug/l	100
4) Vinyl Chloride	1.392	62	63668	19.462	ug/l	99
5) Bromomethane	1.630	94	32464	18.268	ug/l	97
6) Chloroethane	1.709	64	37913	17.645	ug/l	99
7) Trichlorofluoromethane	1.904	101	94713	19.416	ug/l	99
8) Diethyl Ether	2.148	74	32633	18.973	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	56402	19.191	ug/l	99
10) Methyl Iodide	2.471	142	79582	26.569	ug/l	97
11) Tert butyl alcohol	2.965	59	27860	75.416	ug/l	99
12) 1,1-Dichloroethene	2.337	96	55969	19.228	ug/l	99
13) Acrolein	2.252	56	84359	135.786	ug/l	99
14) Allyl chloride	2.678	41	97827	18.592	ug/l	97
15) Acrylonitrile	3.081	53	130953	95.163	ug/l	100
16) Acetone	2.392	43	108955	94.262	ug/l	99
17) Carbon Disulfide	2.532	76	154841	18.387	ug/l	98
18) Methyl Acetate	2.721	43	61396	19.988	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	172690	19.493	ug/l	100
20) Methylene Chloride	2.806	84	61975	19.490	ug/l	99
21) trans-1,2-Dichloroethene	3.111	96	57865	19.426	ug/l	97
22) Diisopropyl ether	3.776	45	196635	19.437	ug/l	96
23) Vinyl Acetate	3.739	43	800347	98.638	ug/l	99
24) 1,1-Dichloroethane	3.629	63	108954	19.368	ug/l	99
25) 2-Butanone	4.568	43	153380	91.133	ug/l	96
26) 2,2-Dichloropropane	4.495	77	83887	19.264	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	67702	19.194	ug/l	99
28) Bromochloromethane	4.916	49	61735	23.854	ug/l	96
29) Tetrahydrofuran	5.032	42	97714	89.982	ug/l	99
30) Chloroform	5.111	83	113648	19.847	ug/l	97
31) Cyclohexane	5.483	56	102188	18.945	ug/l	99
32) 1,1,1-Trichloroethane	5.404	97	95321	19.165	ug/l	99
36) 1,1-Dichloropropene	5.708	75	76523	18.307	ug/l	98
37) Ethyl Acetate	4.727	43	75594	19.626	ug/l	98
38) Carbon Tetrachloride	5.690	117	83776	18.778	ug/l	97
39) Methylcyclohexane	7.385	83	95611	18.320	ug/l	97
40) Benzene	6.050	78	235216	19.444	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047292.D
Acq On : 12 Aug 2025 13:26
Operator : JC/MD
Sample : VX0812WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 13 01:19:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	36391	18.070	ug/l	#	94
42) 1,2-Dichloroethane	6.099	62	82614	19.387	ug/l		100
43) Isopropyl Acetate	6.355	43	117520	19.571	ug/l		99
44) Trichloroethene	7.135	130	59125	19.060	ug/l		99
45) 1,2-Dichloropropane	7.434	63	57246	18.894	ug/l		96
46) Dibromomethane	7.586	93	42078	19.805	ug/l		98
47) Bromodichloromethane	7.824	83	86595	19.148	ug/l		94
48) Methyl methacrylate	7.696	41	60629	18.534	ug/l		99
49) 1,4-Dioxane	7.678	88	11613	312.134	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	352316	98.713	ug/l		99
52) Toluene	8.720	92	147686	19.855	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	77861	18.232	ug/l		97
54) cis-1,3-Dichloropropene	8.373	75	89524	19.154	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	55086	19.748	ug/l		98
56) Ethyl methacrylate	9.116	69	84408	20.440	ug/l		97
57) 1,3-Dichloropropane	9.311	76	94858	19.566	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	210805	91.734	ug/l		99
59) 2-Hexanone	9.433	43	242985	103.045	ug/l		99
60) Dibromochloromethane	9.519	129	63662	19.459	ug/l		100
61) 1,2-Dibromoethane	9.610	107	55950	19.182	ug/l		97
64) Tetrachloroethene	9.275	164	48424	18.671	ug/l		97
65) Chlorobenzene	10.080	112	161881	19.207	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54239	19.114	ug/l		98
67) Ethyl Benzene	10.195	91	282159	19.147	ug/l		97
68) m/p-Xylenes	10.299	106	214358	38.871	ug/l		98
69) o-Xylene	10.640	106	102856	19.606	ug/l		98
70) Styrene	10.653	104	176051	19.570	ug/l		100
71) Bromoform	10.799	173	41420	19.216	ug/l	#	99
73) Isopropylbenzene	10.964	105	269200	18.177	ug/l		99
74) N-amyl acetate	10.842	43	106264	17.783	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	77828	18.397	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	61637m	17.739	ug/l		
77) Bromobenzene	11.195	156	64972	18.290	ug/l		100
78) n-propylbenzene	11.305	91	320780	18.125	ug/l		100
79) 2-Chlorotoluene	11.360	91	190819	18.037	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	221860	18.133	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	12073	8.952	ug/l		92
82) 4-Chlorotoluene	11.451	91	223949	18.136	ug/l		98
83) tert-Butylbenzene	11.713	119	222333	18.105	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	225067	18.442	ug/l		99
85) sec-Butylbenzene	11.890	105	273858	17.848	ug/l		100
86) p-Isopropyltoluene	12.006	119	231241	18.173	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	120856	17.906	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	125121	18.297	ug/l		98
89) n-Butylbenzene	12.329	91	209890	17.589	ug/l		99
90) Hexachloroethane	12.536	117	38830	17.058	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	117969	18.287	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15101	18.596	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	73546	17.256	ug/l		100
94) Hexachlorobutadiene	13.725	225	23903	16.491	ug/l		97
95) Naphthalene	13.774	128	223364	17.877	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	71752	17.475	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047292.D
Acq On : 12 Aug 2025 13:26
Operator : JC/MD
Sample : VX0812WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 13 01:19:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

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

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

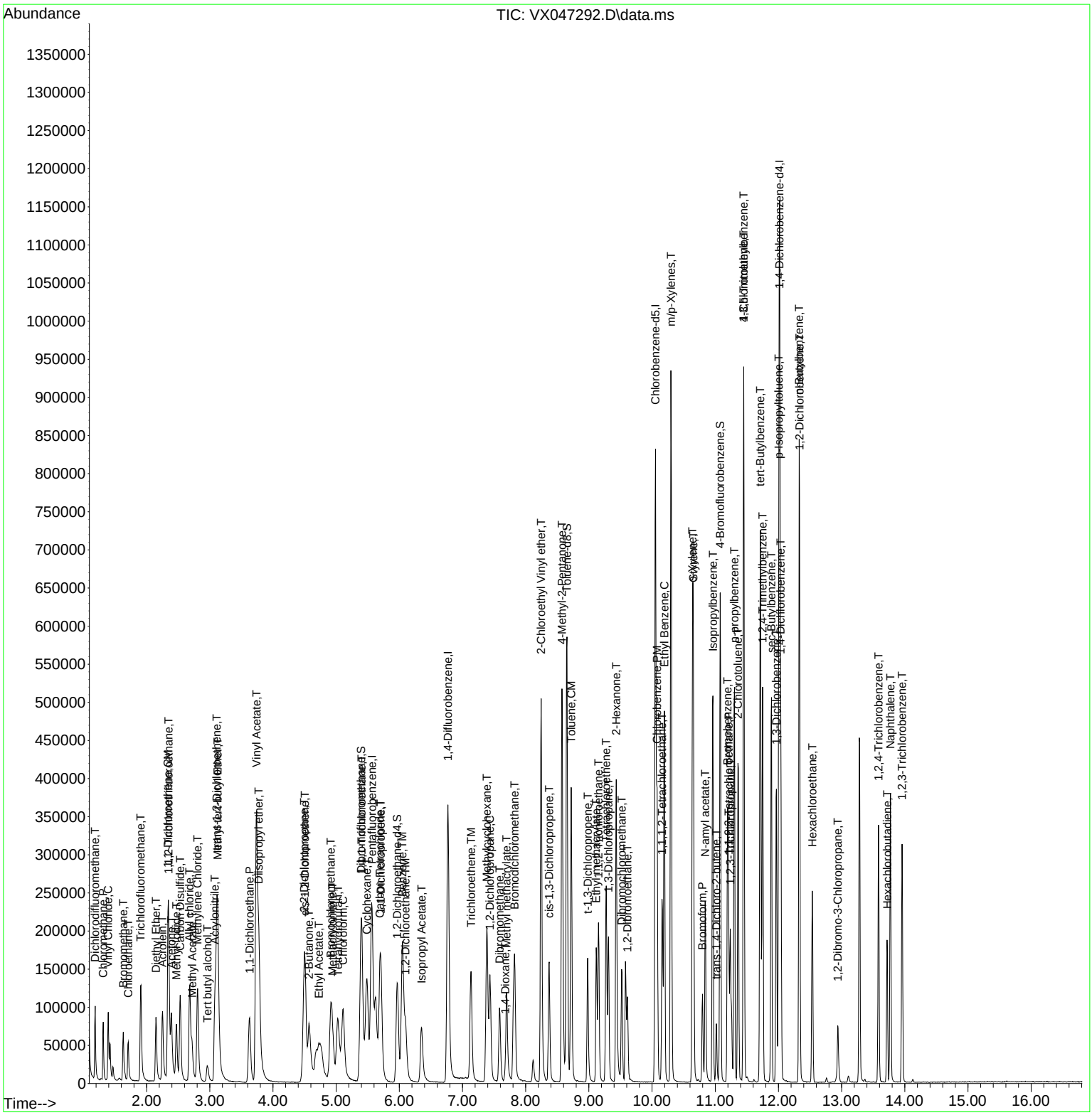
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047292.D
Acq On : 12 Aug 2025 13:26
Operator : JC/MD
Sample : VX0812WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

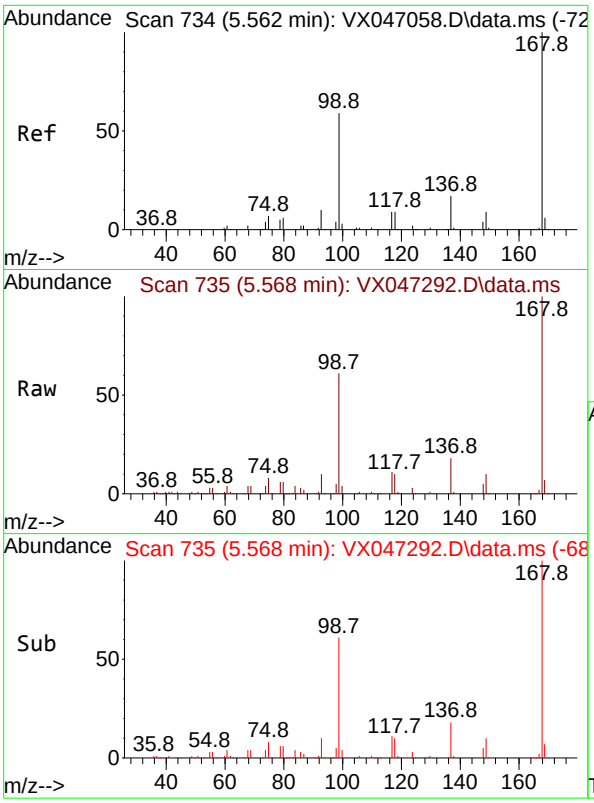
Quant Time: Aug 13 01:19:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

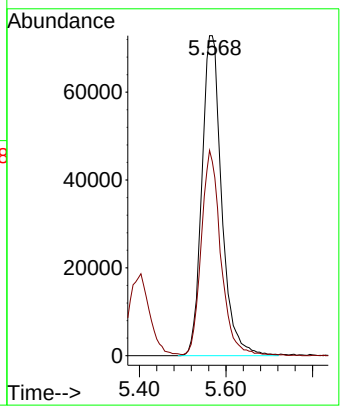




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:168 Resp: 23162

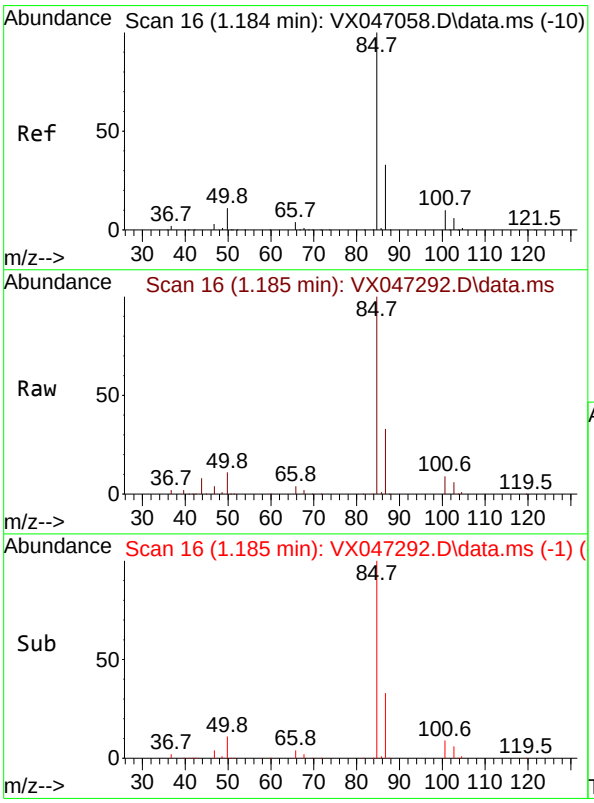
Ion	Ratio	Lower	Upper
168	100		
99	60.4	48.0	72.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

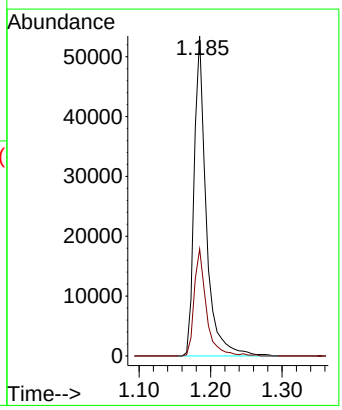
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

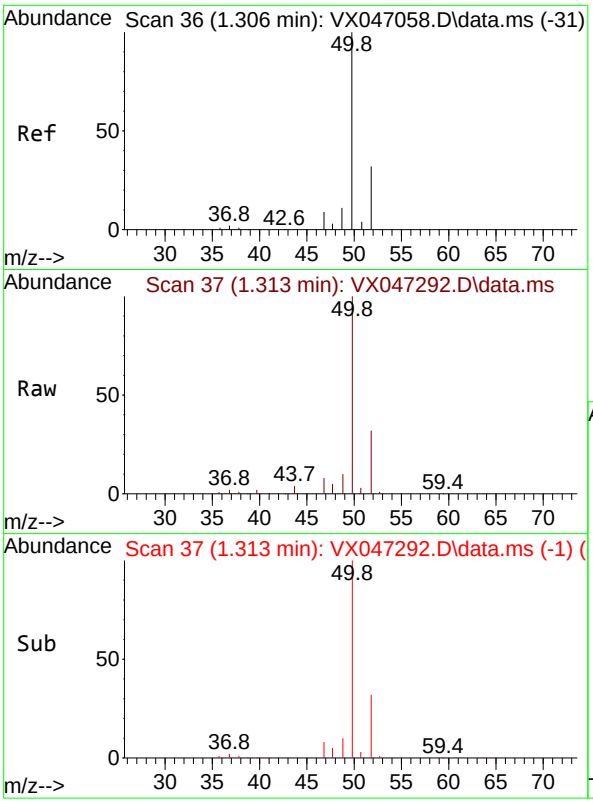


#2
Dichlorodifluoromethane
Concen: 20.332 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 85 Resp: 62552

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.8

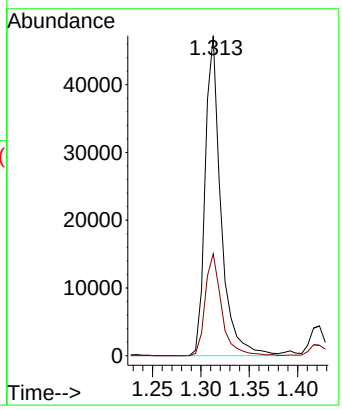




#3
Chloromethane
Concen: 17.645 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 50 Resp: 5369

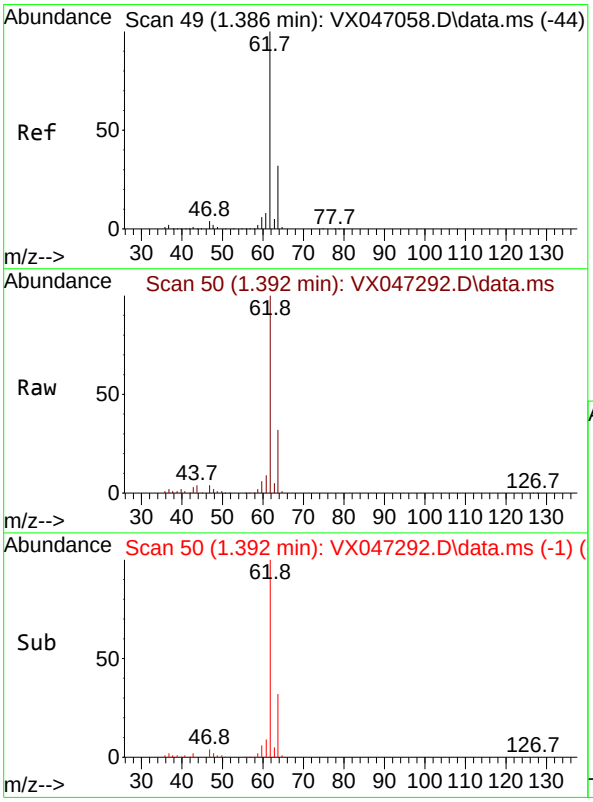
Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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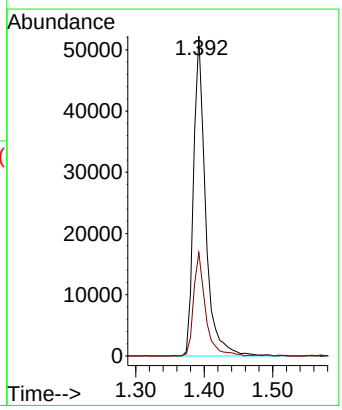
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

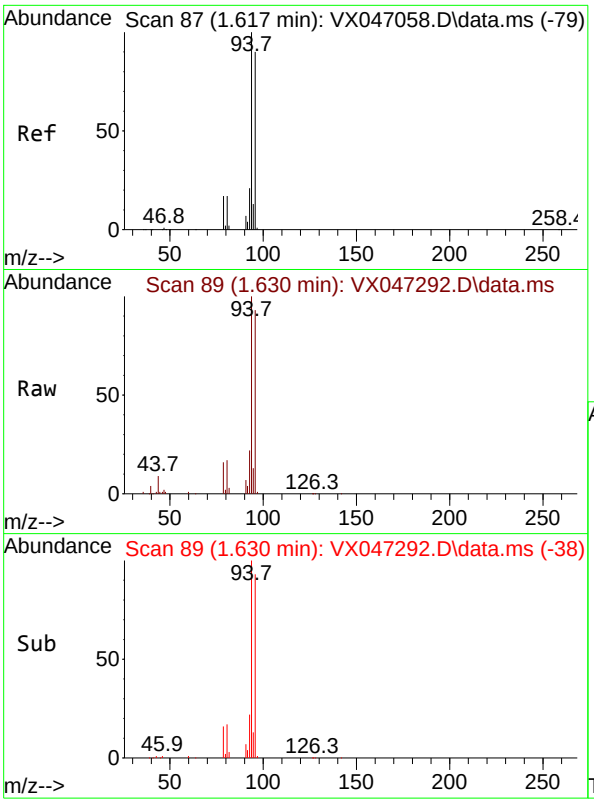


#4
Vinyl Chloride
Concen: 19.462 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 62 Resp: 63668

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8

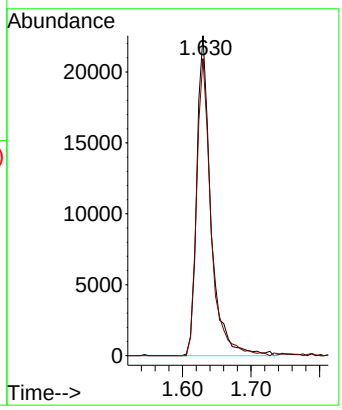




#5
Bromomethane
Concen: 18.268 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.013 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 94 Resp: 3246

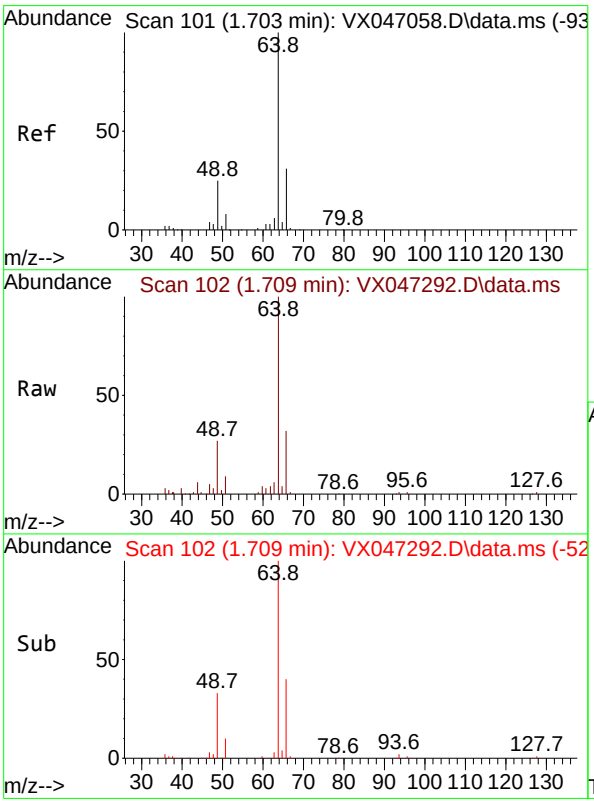
Ion	Ratio	Lower	Upper
94	100		
96	92.9	72.3	108.5



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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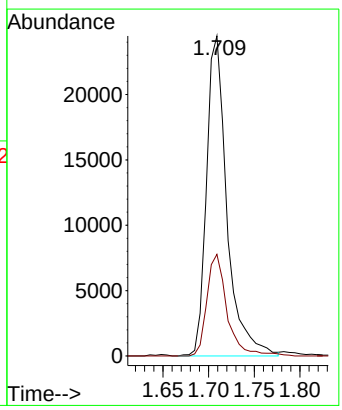
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

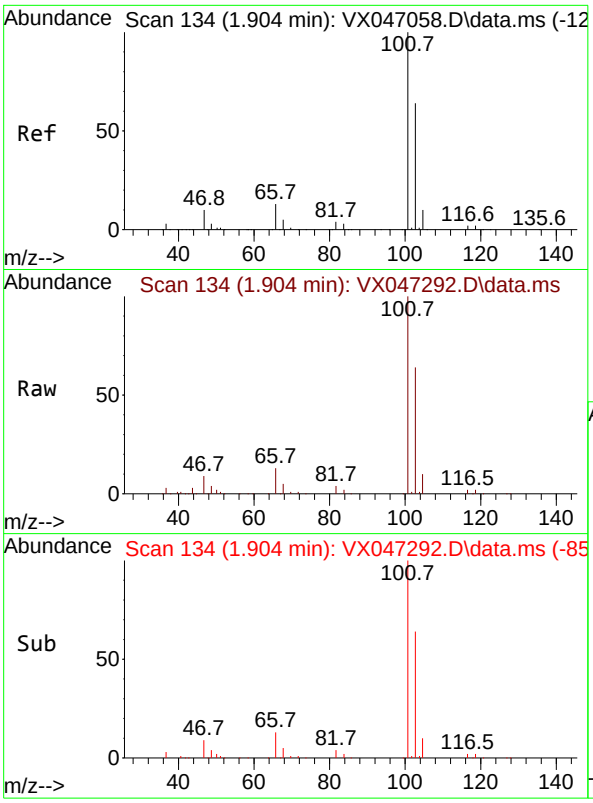


#6
Chloroethane
Concen: 17.645 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 64 Resp: 37913

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.0	37.6

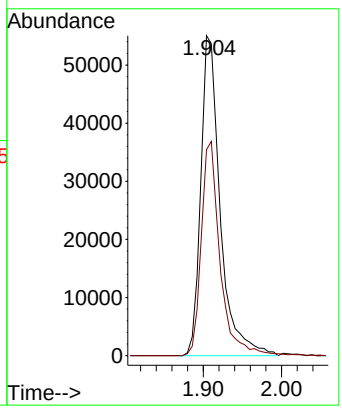




#7
Trichlorofluoromethane
Concen: 19.416 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:101 Resp: 9471

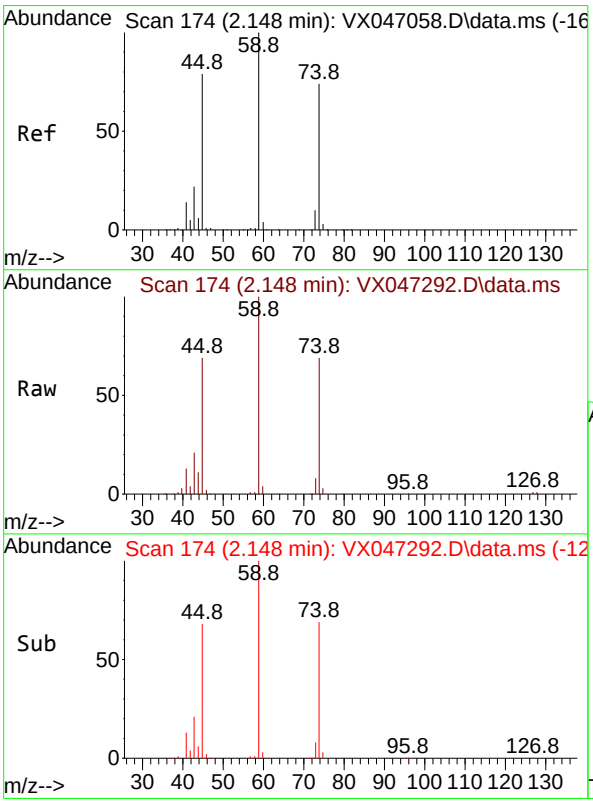
Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.9	76.3



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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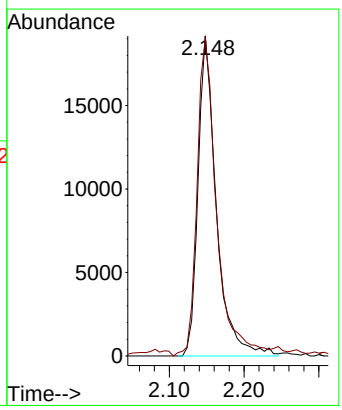
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

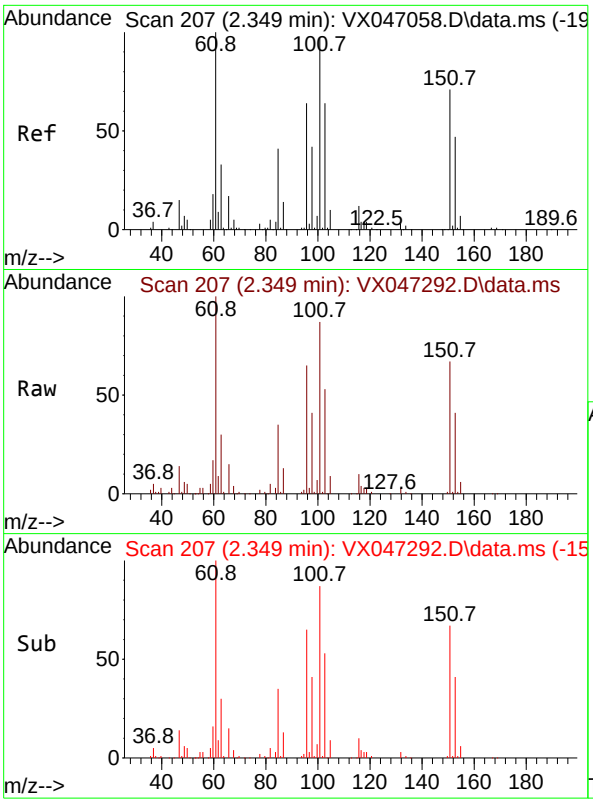


#8
Diethyl Ether
Concen: 18.973 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 74 Resp: 32633

Ion	Ratio	Lower	Upper
74	100		
45	106.0	53.0	159.0





#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.191 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

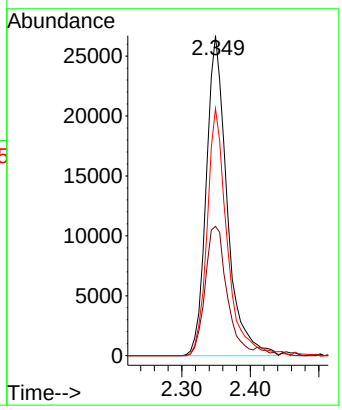
Tgt Ion:101 Resp: 5640

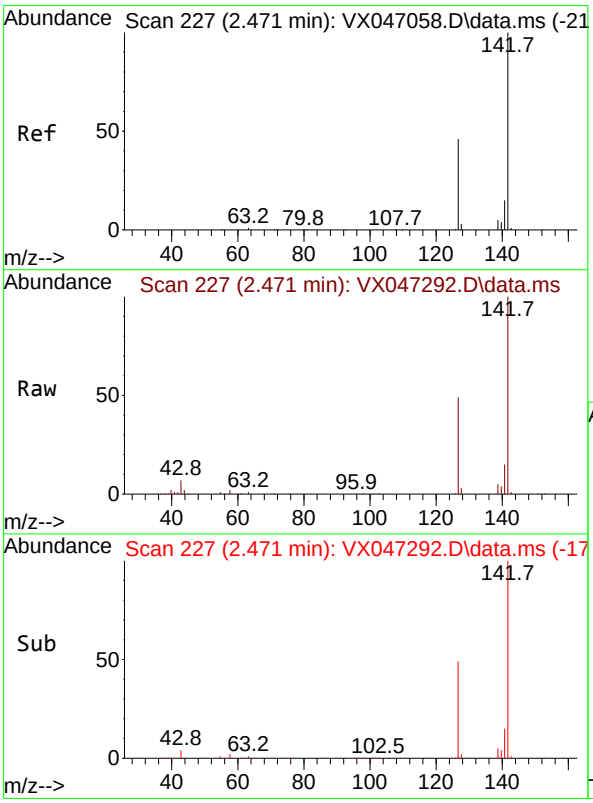
Ion	Ratio	Lower	Upper
101	100		
85	42.5	35.4	53.0
151	74.4	59.2	88.8

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

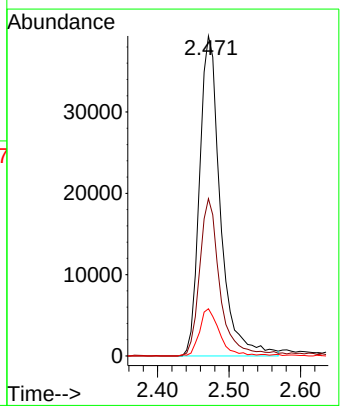


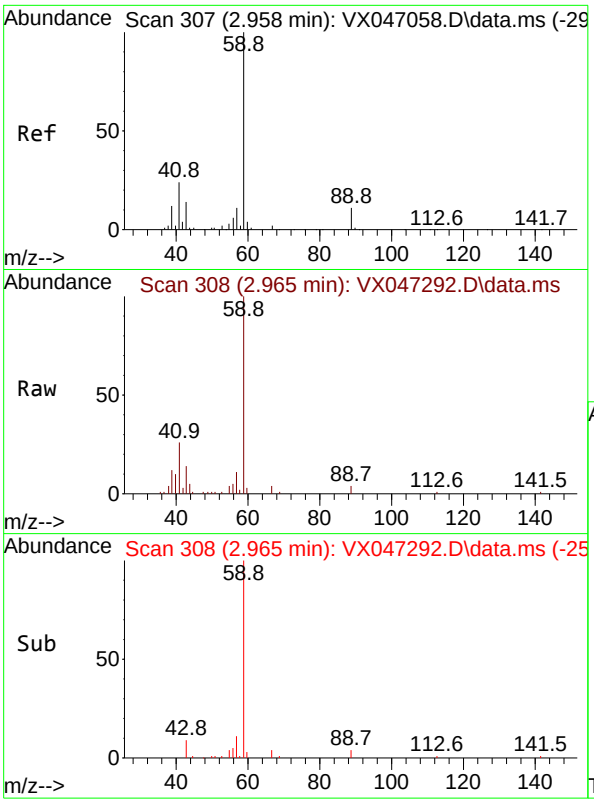


#10
Methyl Iodide
Concen: 26.569 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:142 Resp: 79582

Ion	Ratio	Lower	Upper
142	100		
127	48.2	36.6	54.8
141	14.2	10.9	16.3

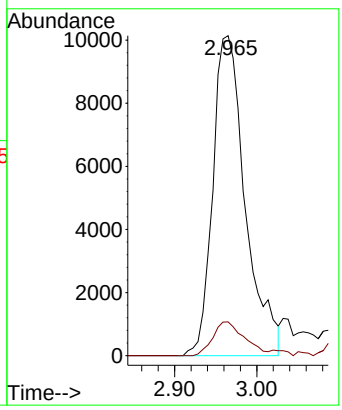




#11
Tert butyl alcohol
Concen: 75.416 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 59 Resp: 2786

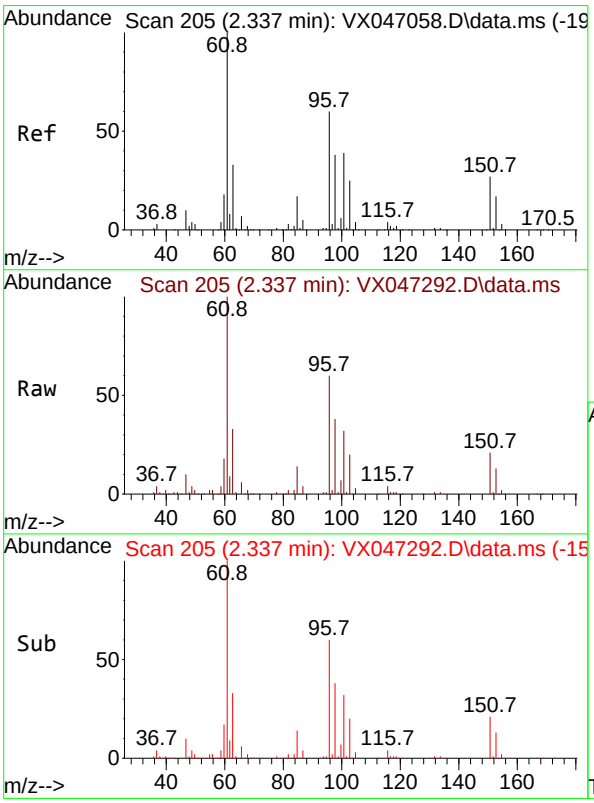
Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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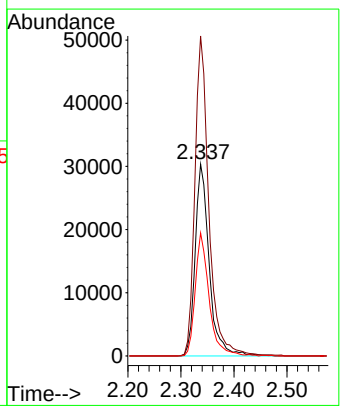
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

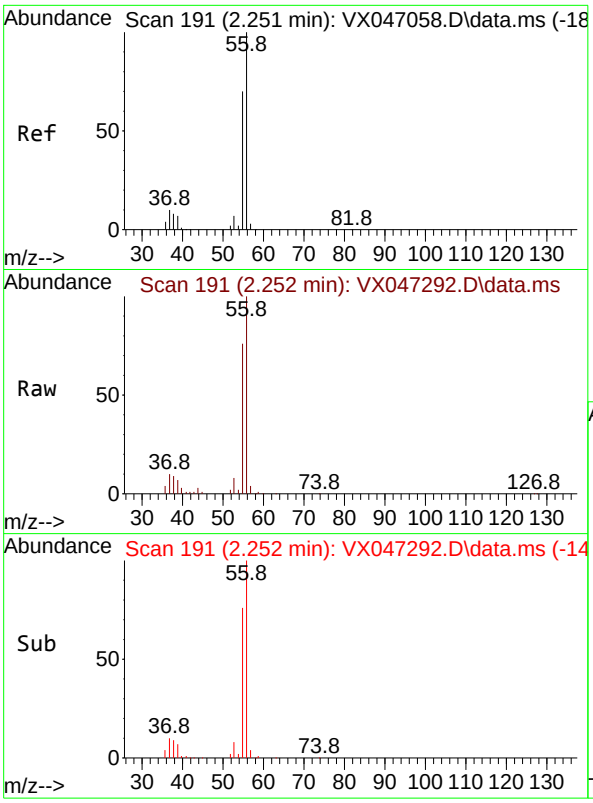


#12
1,1-Dichloroethene
Concen: 19.228 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 96 Resp: 55969

Ion	Ratio	Lower	Upper
96	100		
61	166.7	132.6	198.8
98	64.1	50.2	75.4

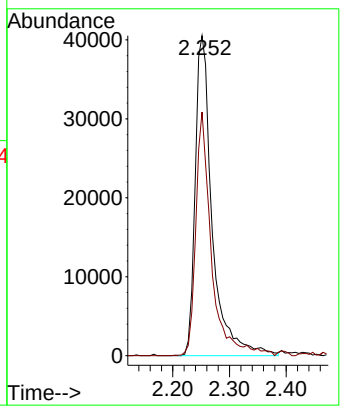




#13
Acrolein
Concen: 135.786 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 56 Resp: 8435

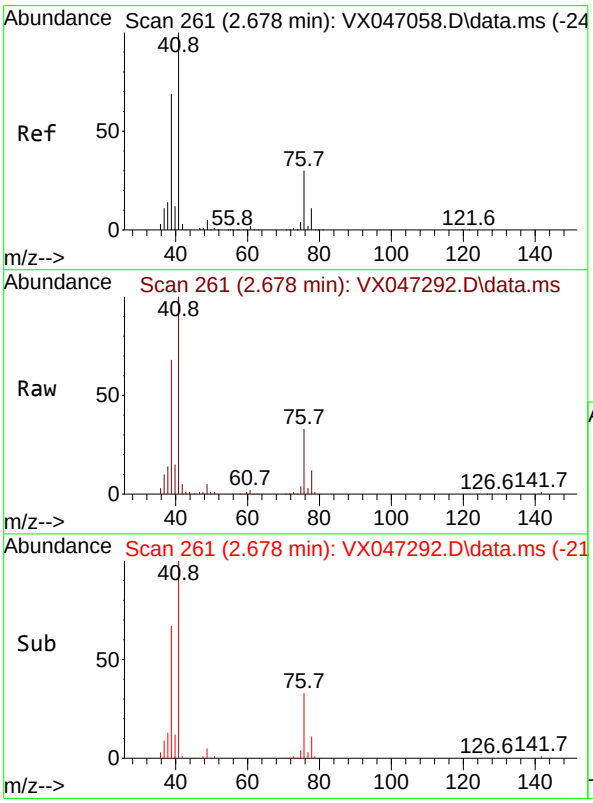
Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.7	83.5



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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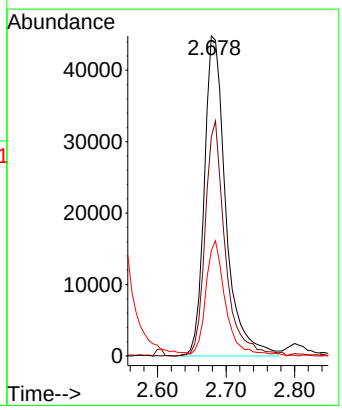
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

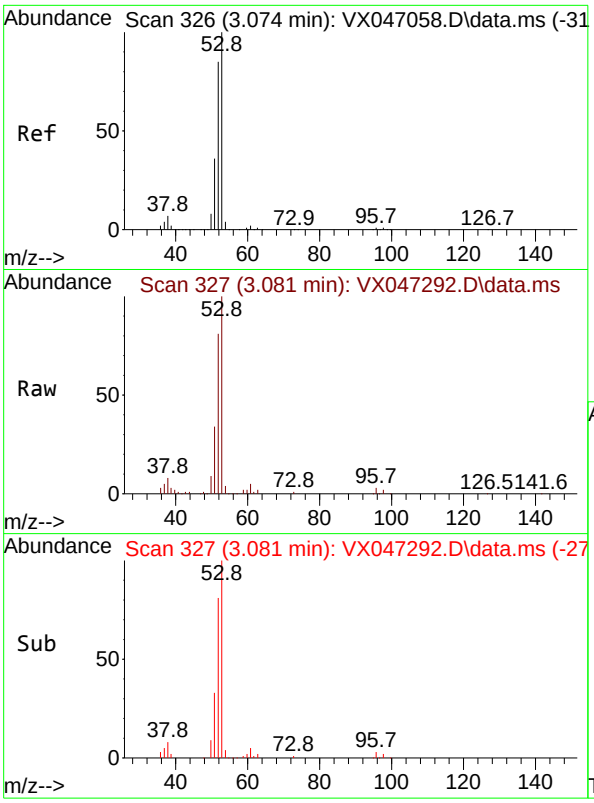


#14
Allyl chloride
Concen: 18.592 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 41 Resp: 97827

Ion	Ratio	Lower	Upper
41	100		
39	68.5	52.6	78.8
76	33.4	25.7	38.5





#15
Acrylonitrile
Concen: 95.163 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

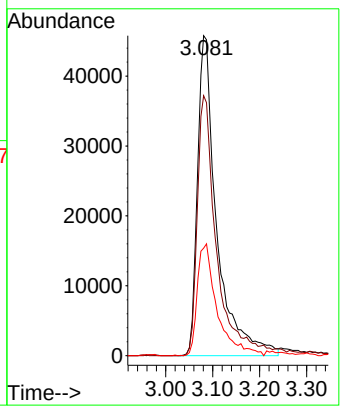
Tgt Ion: 53 Resp: 13095

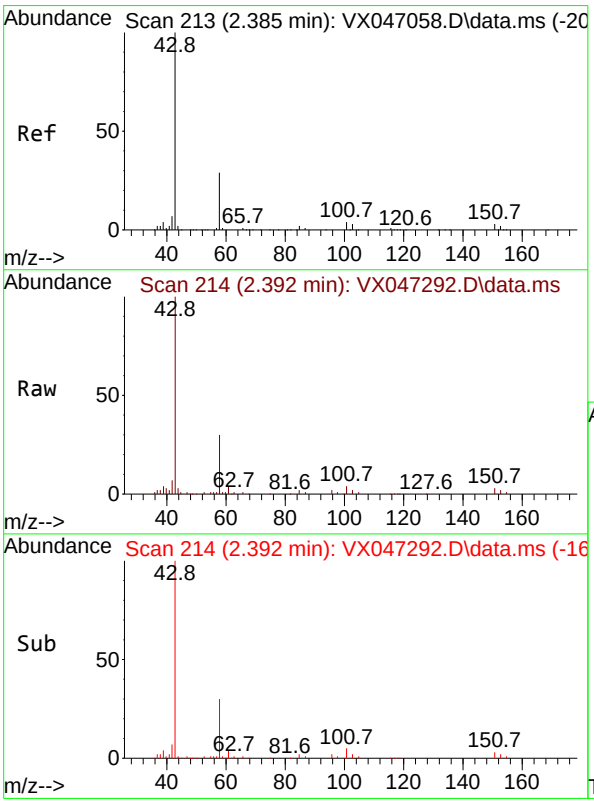
Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	35.8	28.8	43.2

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

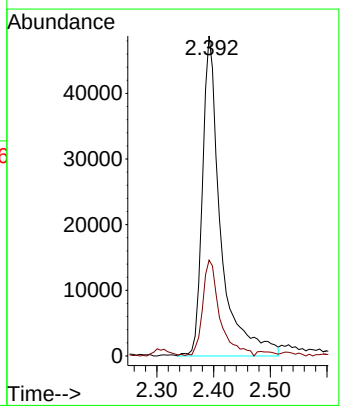


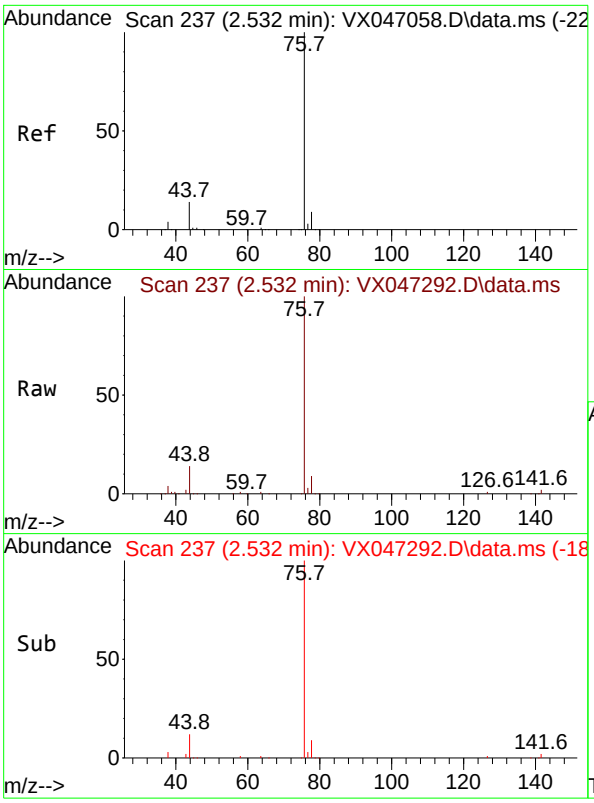


#16
Acetone
Concen: 94.262 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 43 Resp: 108955

Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.0	36.0





#17
Carbon Disulfide
Concen: 18.387 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

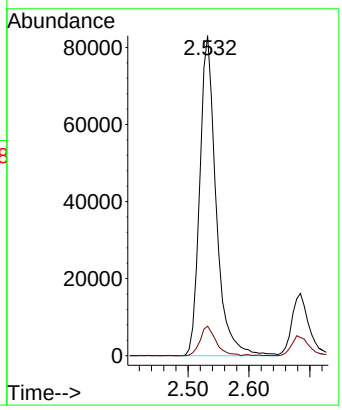
Tgt Ion: 76 Resp: 15484

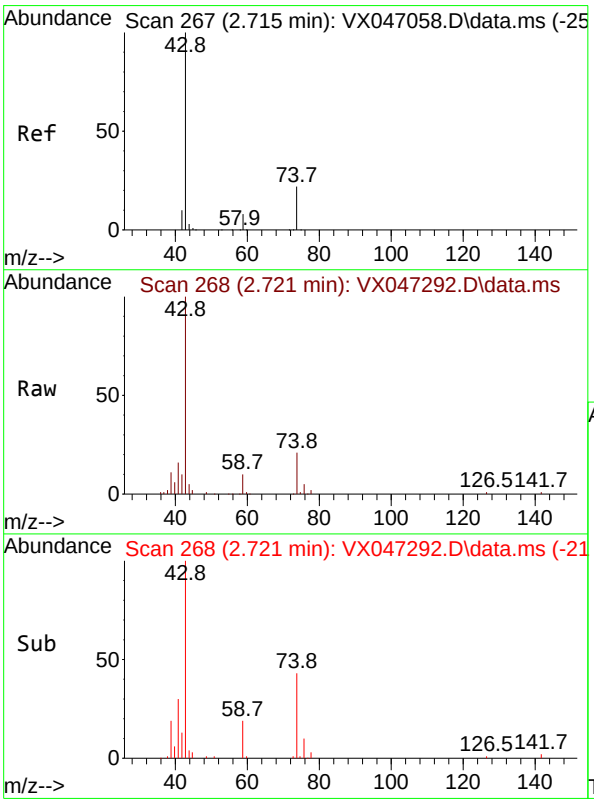
Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

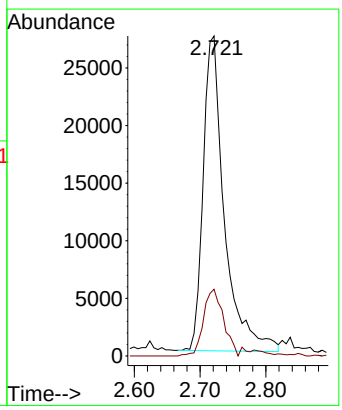


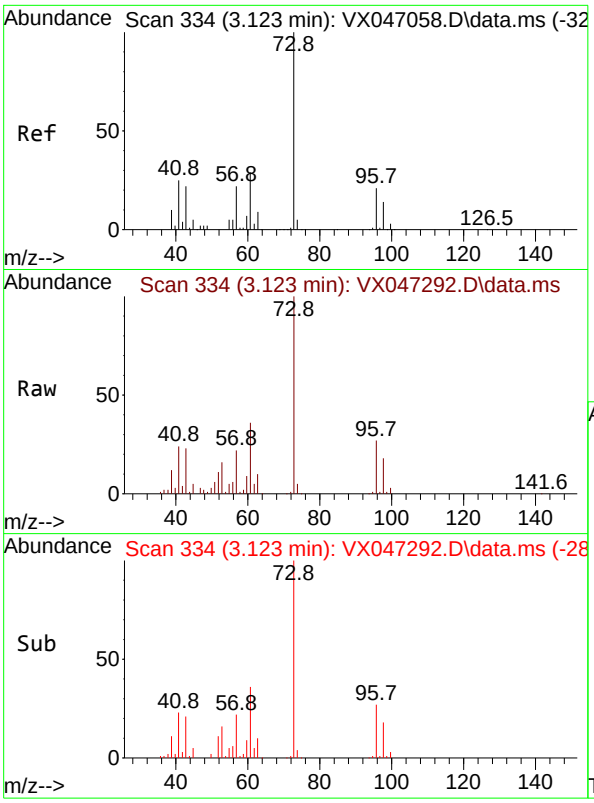


#18
Methyl Acetate
Concen: 19.988 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 43 Resp: 61396

Ion	Ratio	Lower	Upper
43	100		
74	20.0	17.7	26.5

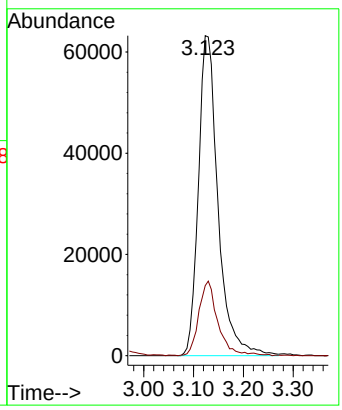




#19
Methyl tert-butyl Ether
Concen: 19.493 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 73 Resp: 17269

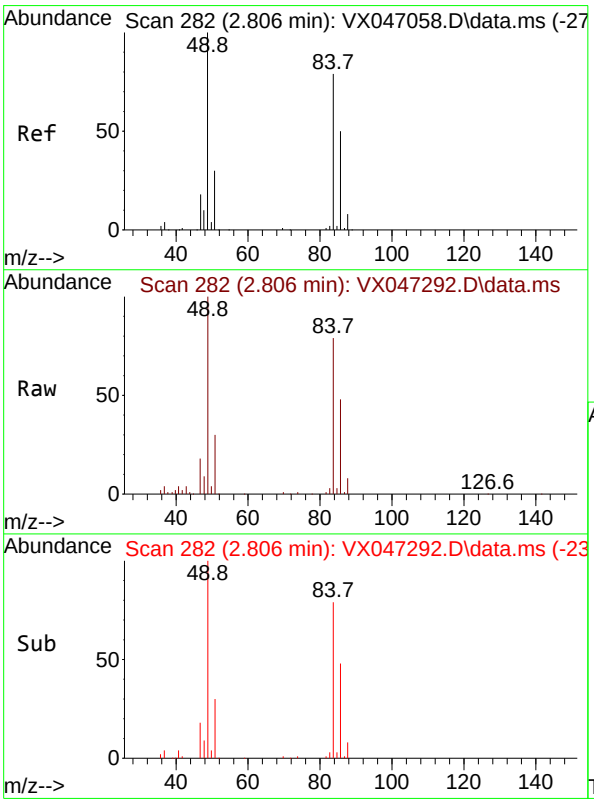
Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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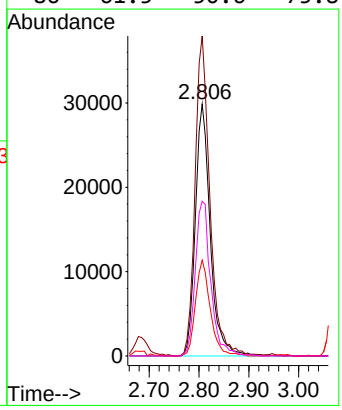
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

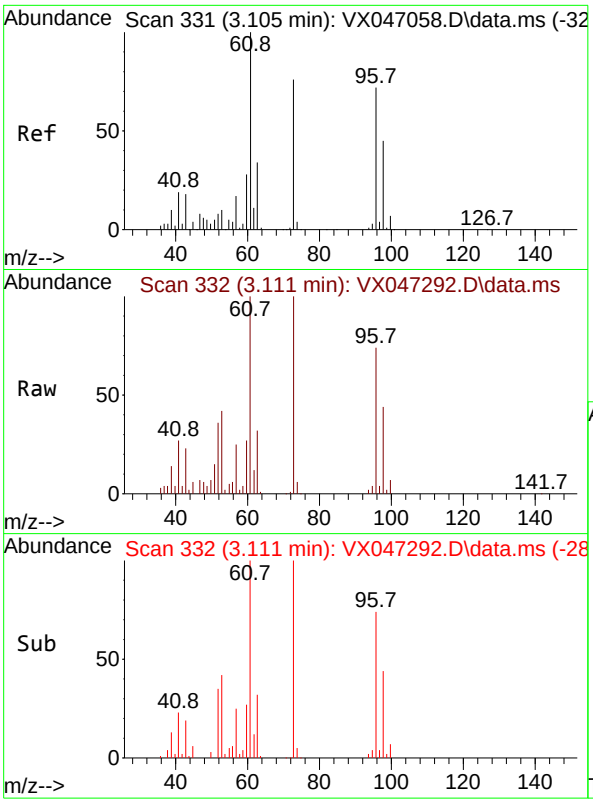


#20
Methylene Chloride
Concen: 19.490 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 84 Resp: 61975

Ion	Ratio	Lower	Upper
84	100		
49	126.9	101.6	152.4
51	38.1	30.3	45.5
86	61.5	50.6	75.8

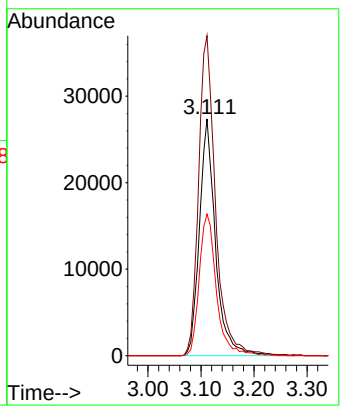




#21
trans-1,2-Dichloroethene
Concen: 19.426 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 96 Resp: 5786

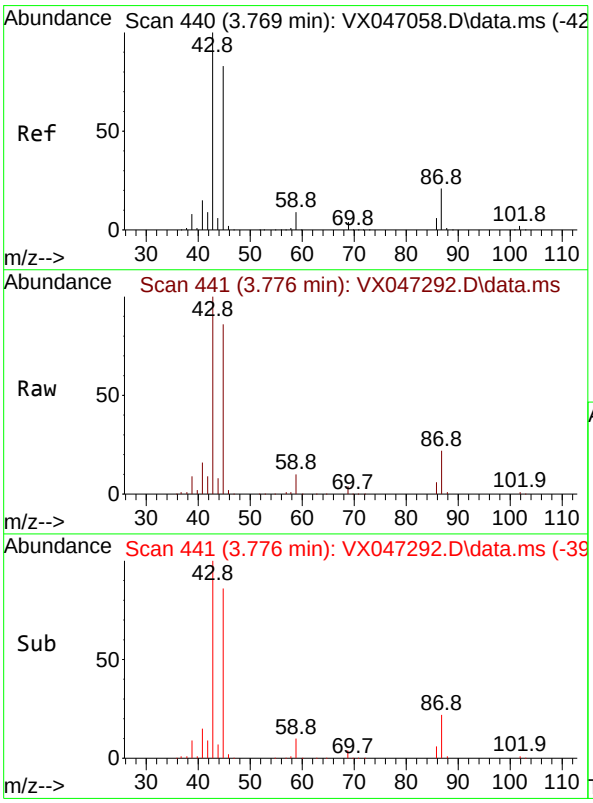
Ion	Ratio	Lower	Upper
96	100		
61	135.2	111.1	166.7
98	59.8	49.6	74.4



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

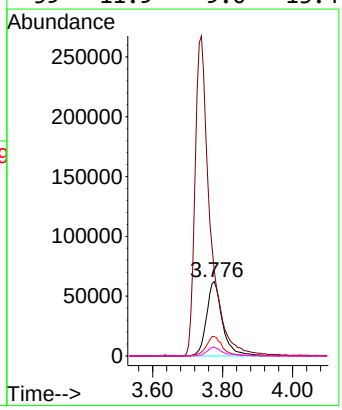
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

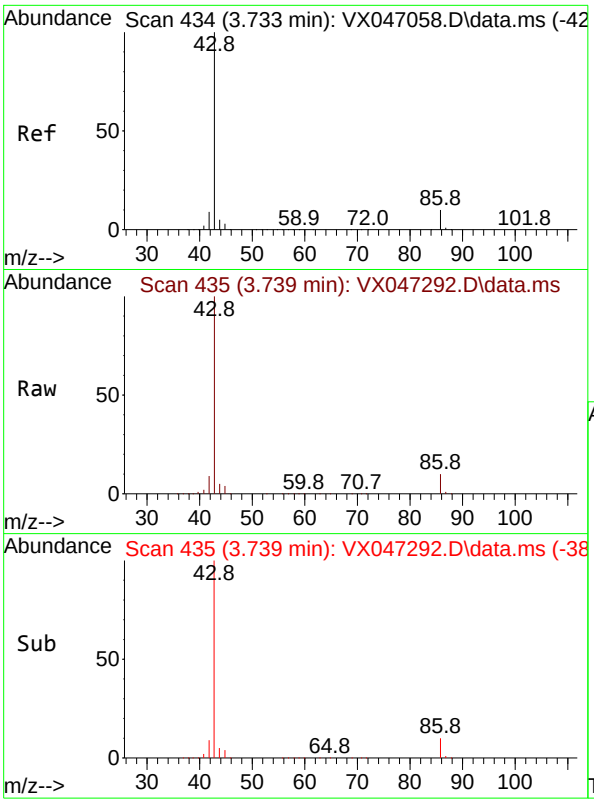


#22
Diisopropyl ether
Concen: 19.437 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 45 Resp: 196635

Ion	Ratio	Lower	Upper
45	100		
43	115.4	96.8	145.2
87	26.0	20.5	30.7
59	11.9	9.0	13.4





#23
Vinyl Acetate
Concen: 98.638 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

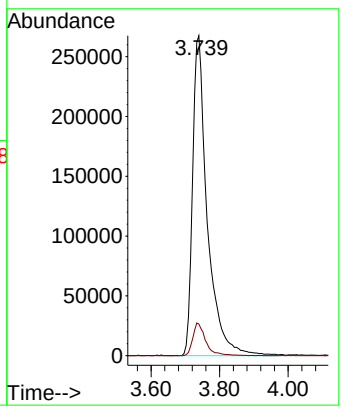
Tgt Ion: 43 Resp: 80034

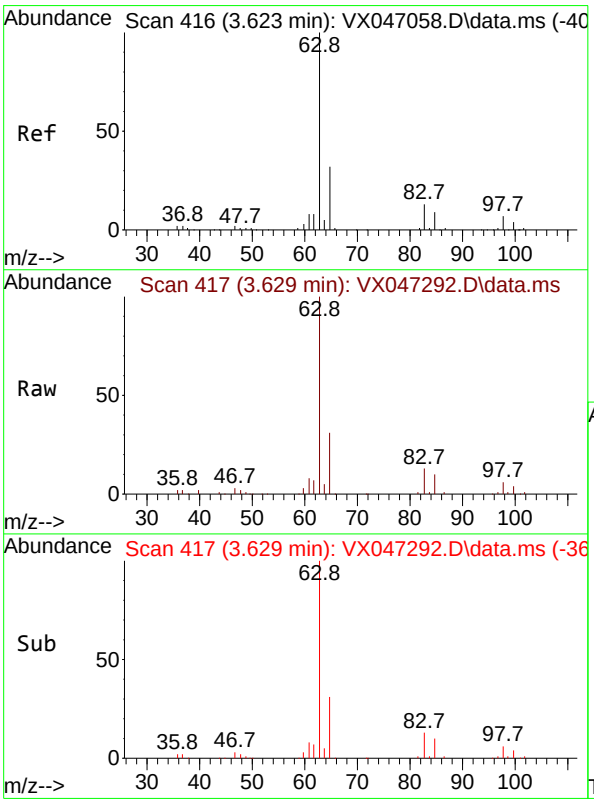
Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

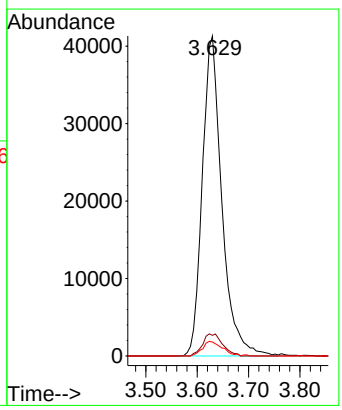


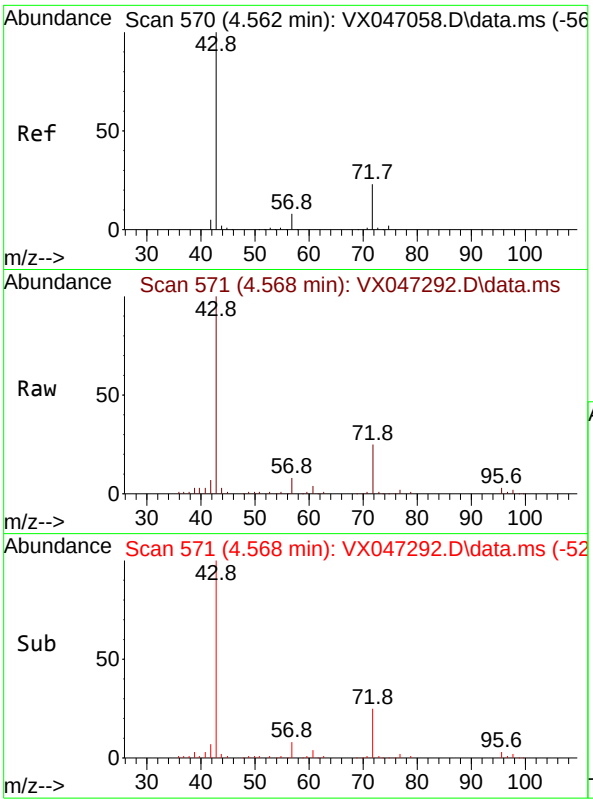


#24
1,1-Dichloroethane
Concen: 19.368 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 63 Resp: 108954

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	4.4	2.3	6.8

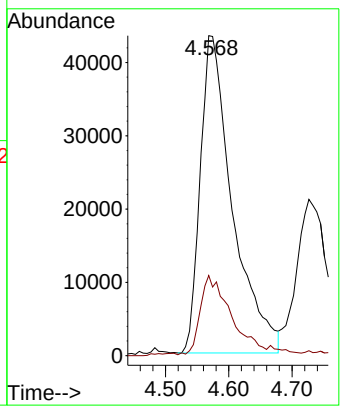




#25
2-Butanone
Concen: 91.133 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 43 Resp: 15338

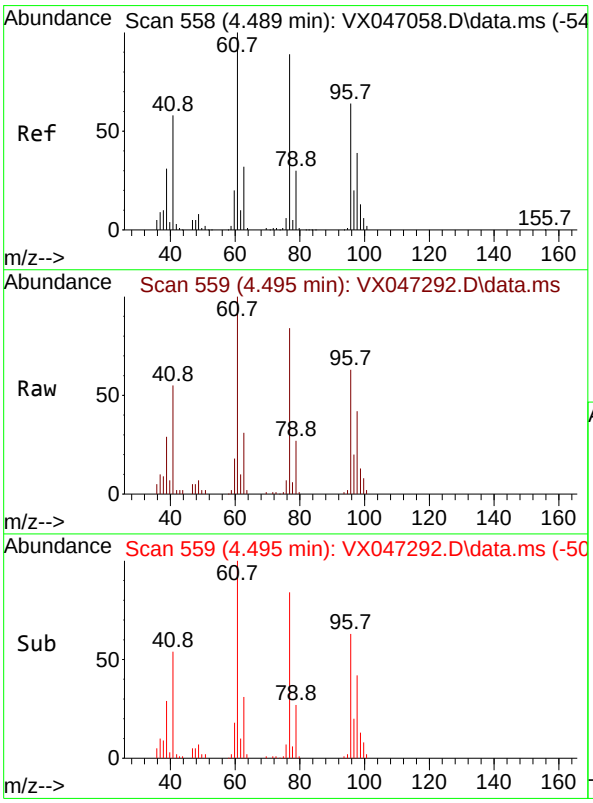
Ion	Ratio	Lower	Upper
43	100		
72	25.3	18.8	28.2



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

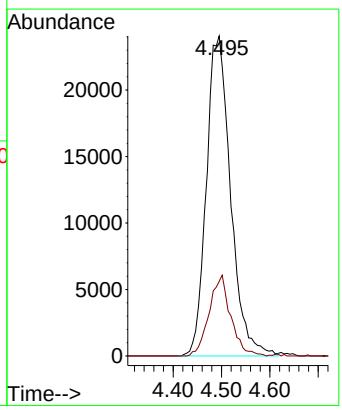
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

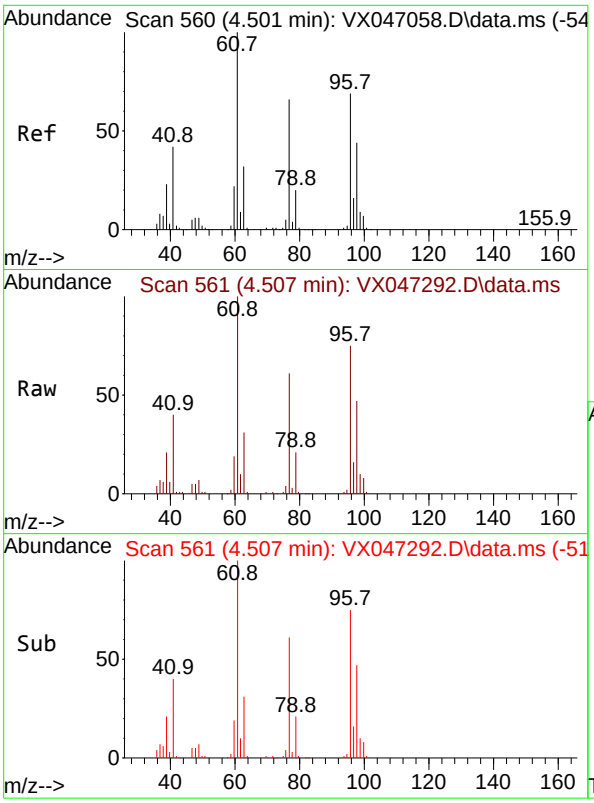


#26
2,2-Dichloropropane
Concen: 19.264 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 77 Resp: 83887

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.1

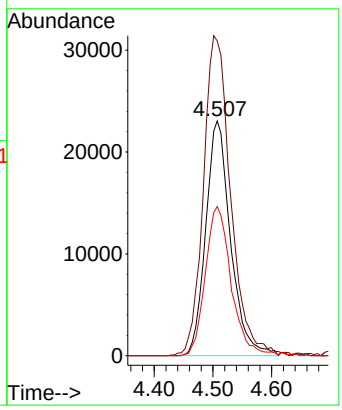




#27
cis-1,2-Dichloroethene
Concen: 19.194 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 96 Resp: 6770

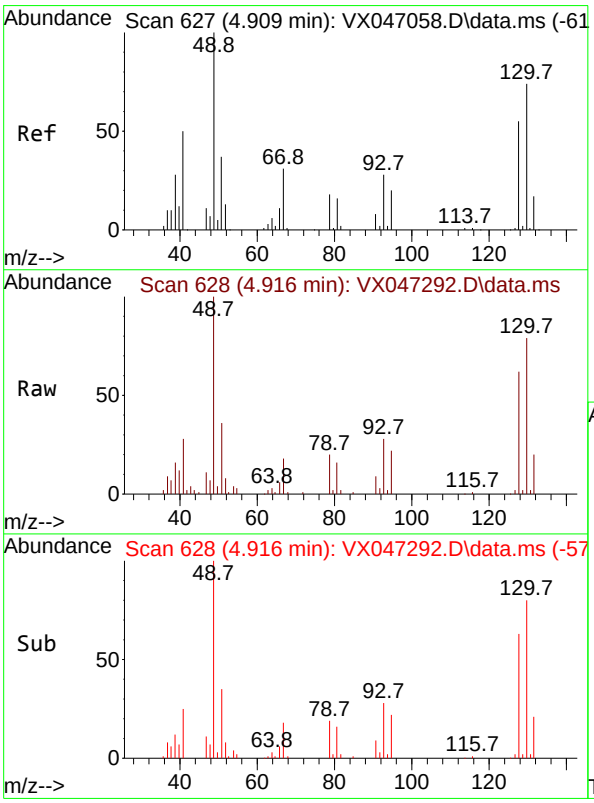
Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	298.6
98	65.8	0.0	128.8



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

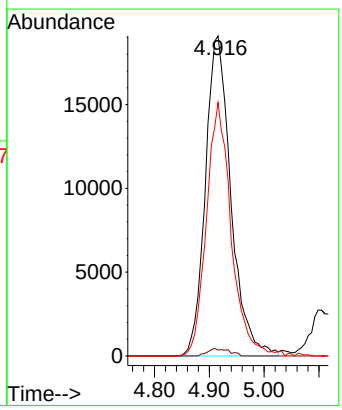
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

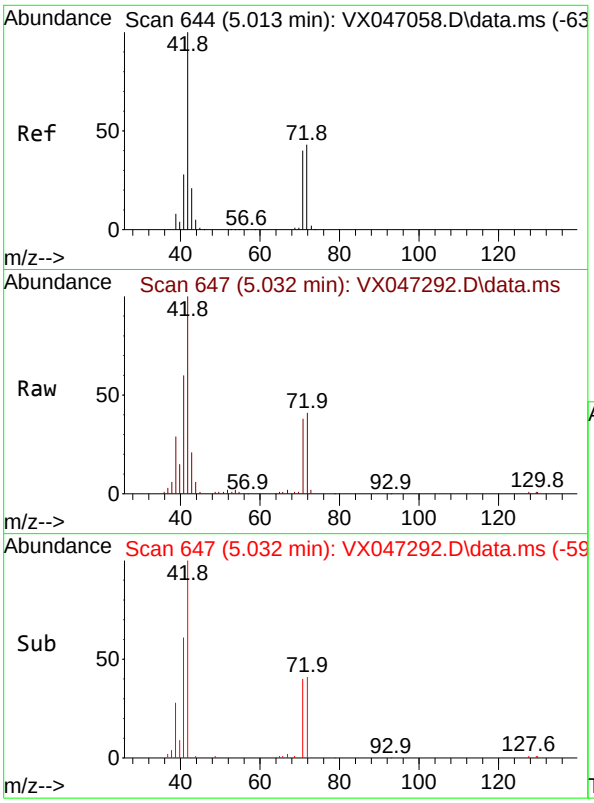


#28
Bromochloromethane
Concen: 23.854 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 49 Resp: 61735

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	76.8	59.0	88.4





#29
Tetrahydrofuran
Concen: 89.982 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.019 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

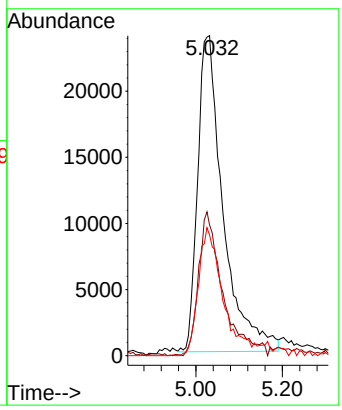
Tgt Ion: 42 Resp: 9771

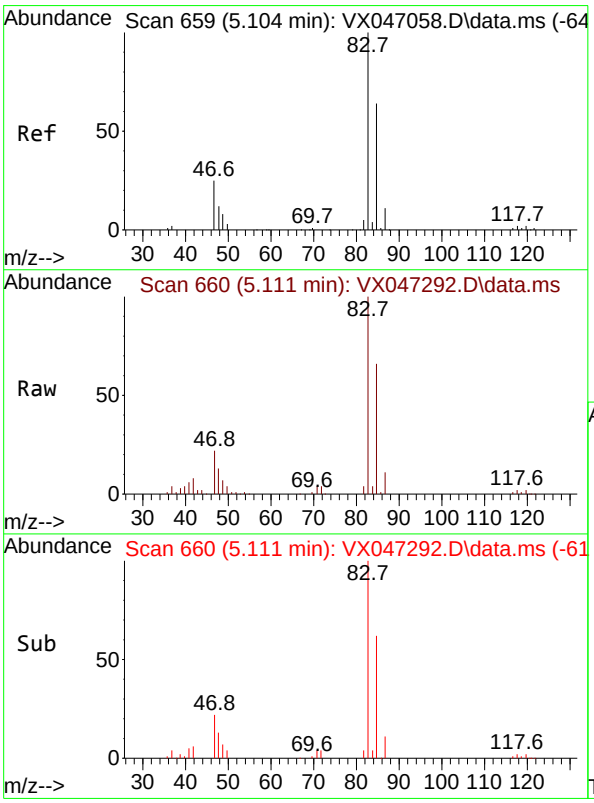
Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	39.2	31.0	46.4

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

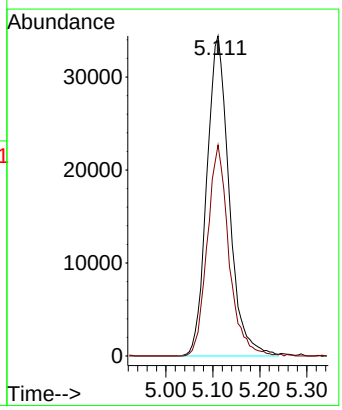


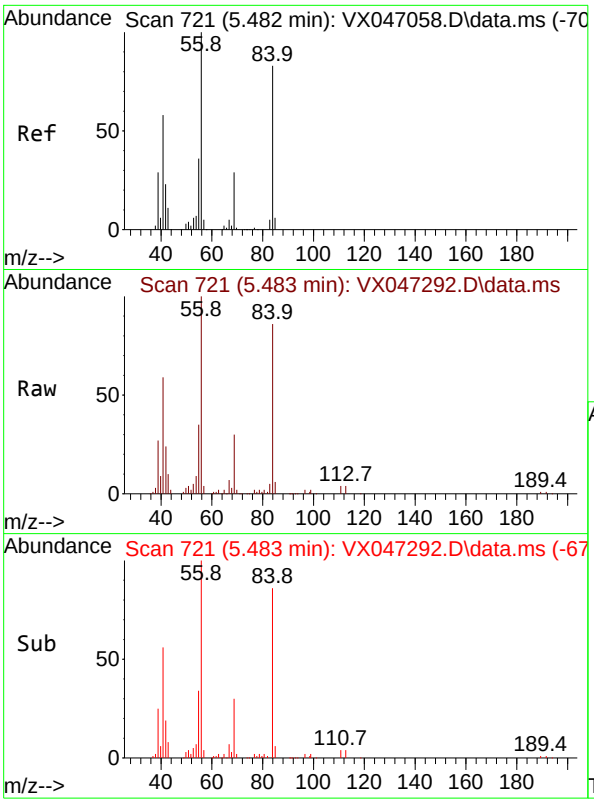


#30
Chloroform
Concen: 19.847 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 83 Resp: 113648

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3

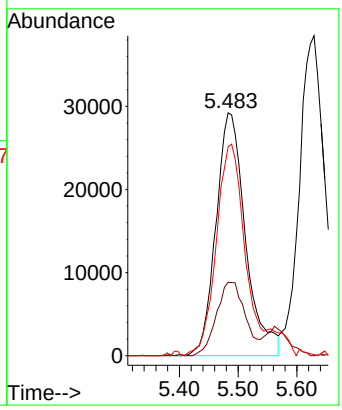




#31
Cyclohexane
Concen: 18.945 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 56 Resp: 10218

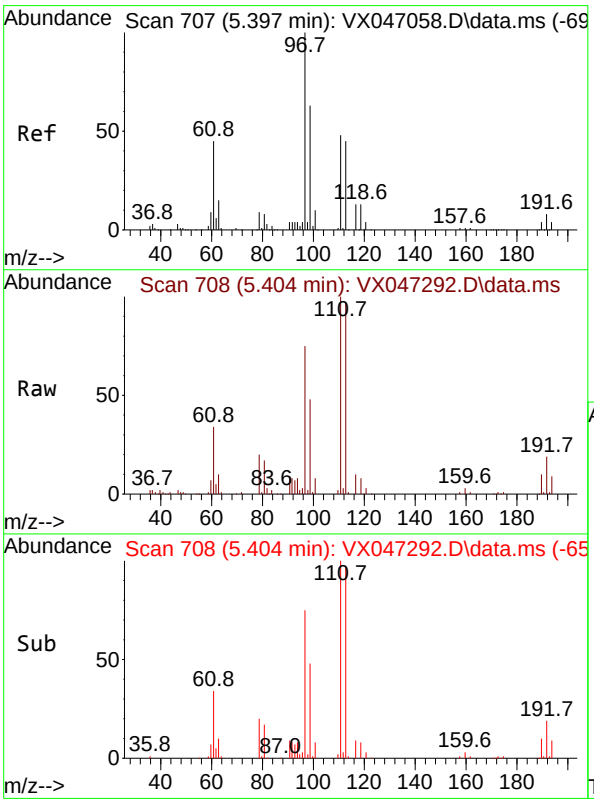
Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.3	34.9
84	84.3	66.5	99.7



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

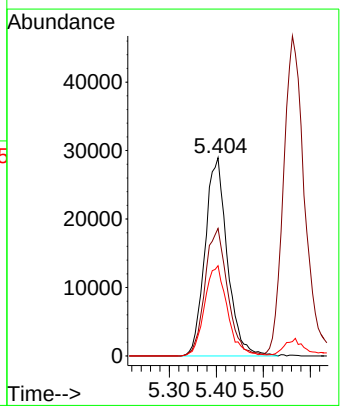
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

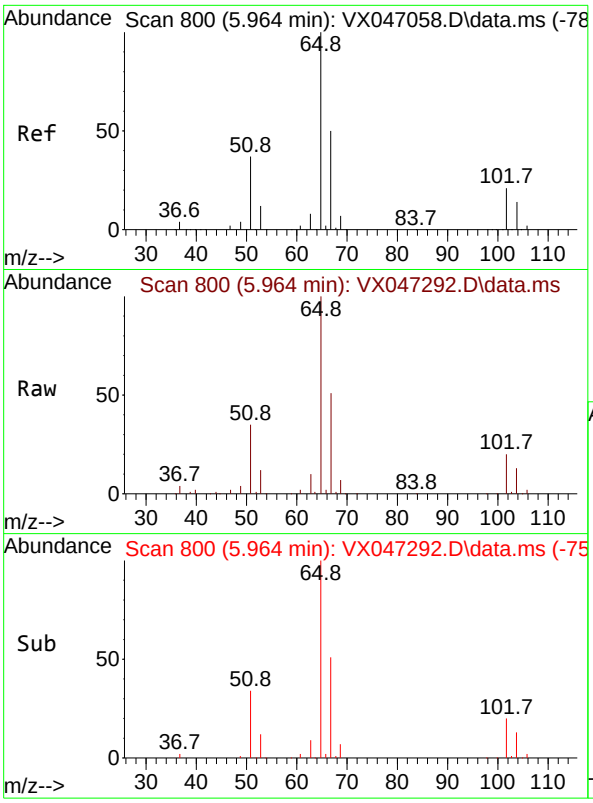


#32
1,1,1-Trichloroethane
Concen: 19.165 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 97 Resp: 95321

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.2	76.8
61	46.8	37.1	55.7

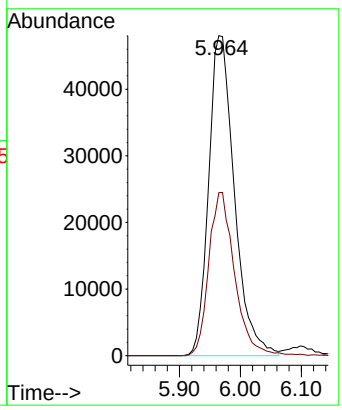




#33
1,2-Dichloroethane-d4
Concen: 48.899 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 65 Resp: 14109

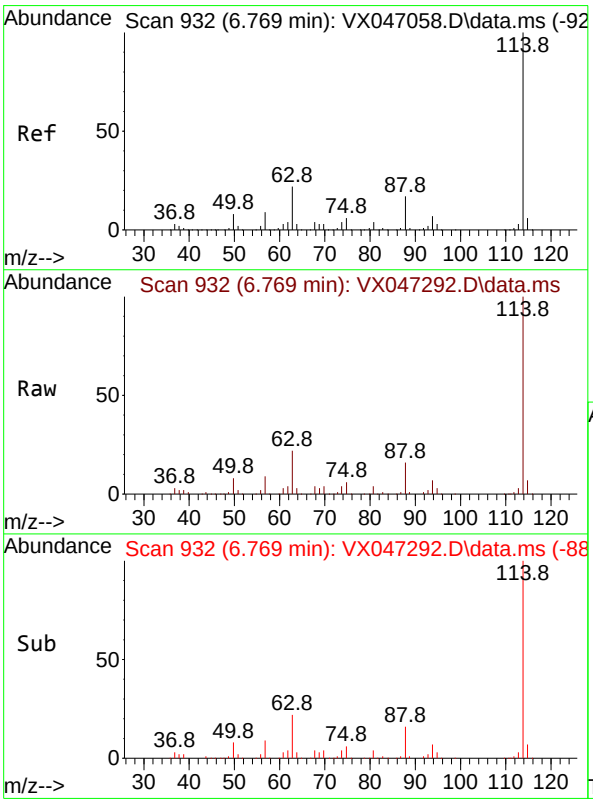
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.8



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

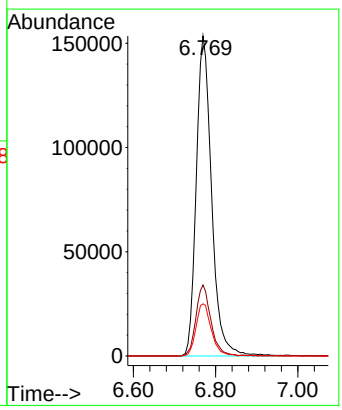
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

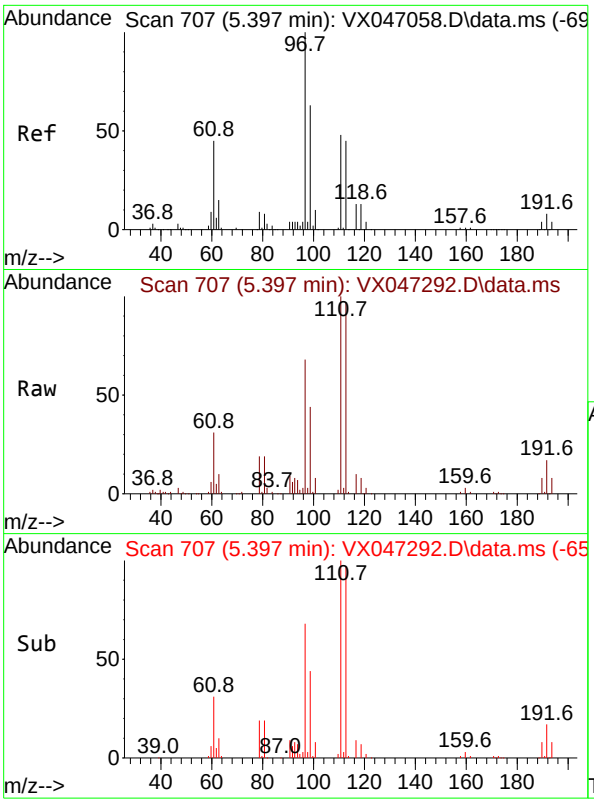


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:114 Resp: 397164

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.2
88	16.3	0.0	33.8

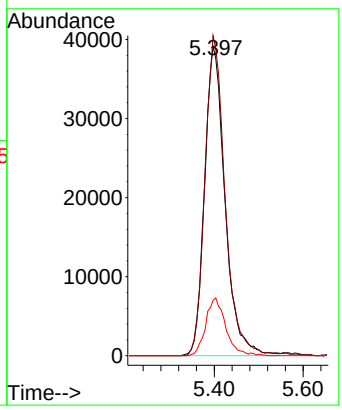




#35
Dibromofluoromethane
Concen: 51.084 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:113 Resp: 12526

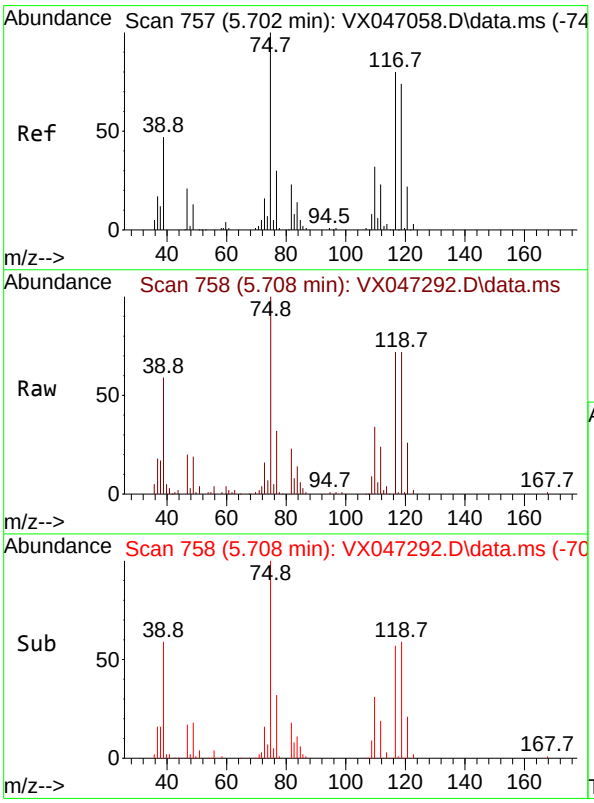
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	124.0
192	18.3	14.9	22.3



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

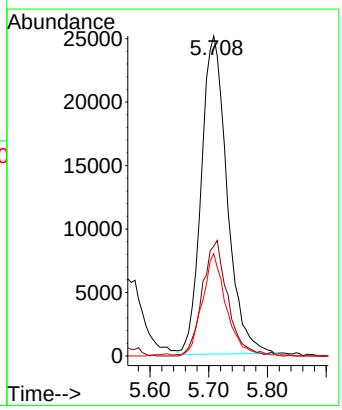
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

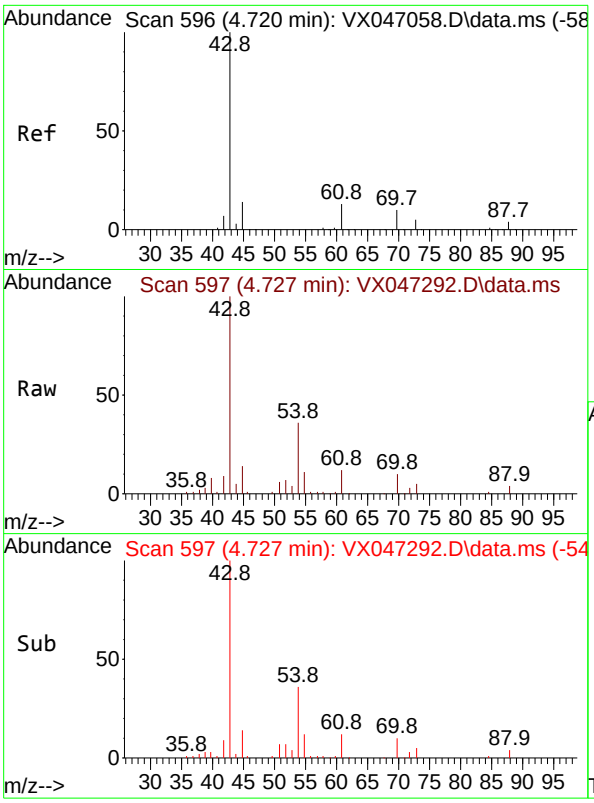


#36
1,1-Dichloropropene
Concen: 18.307 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 75 Resp: 76523

Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.2	51.5
77	29.7	25.1	37.7

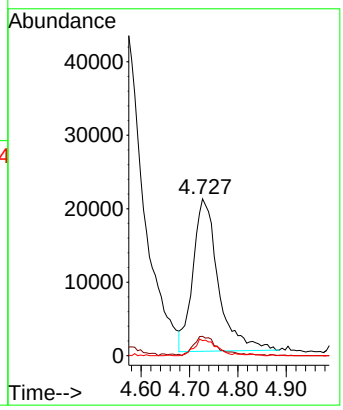




#37
Ethyl Acetate
Concen: 19.626 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 43 Resp: 7559

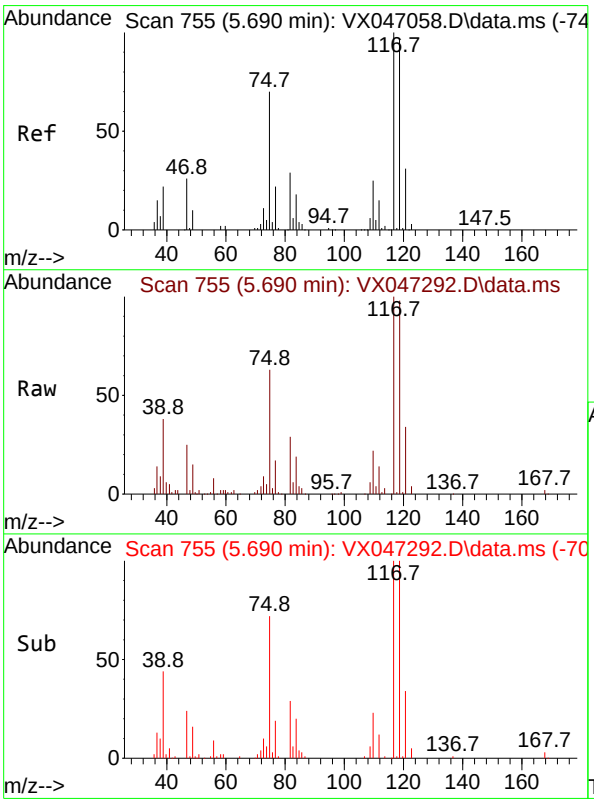
Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.2	15.2
70	9.2	8.1	12.1



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

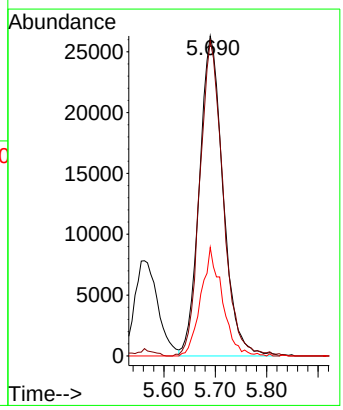
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

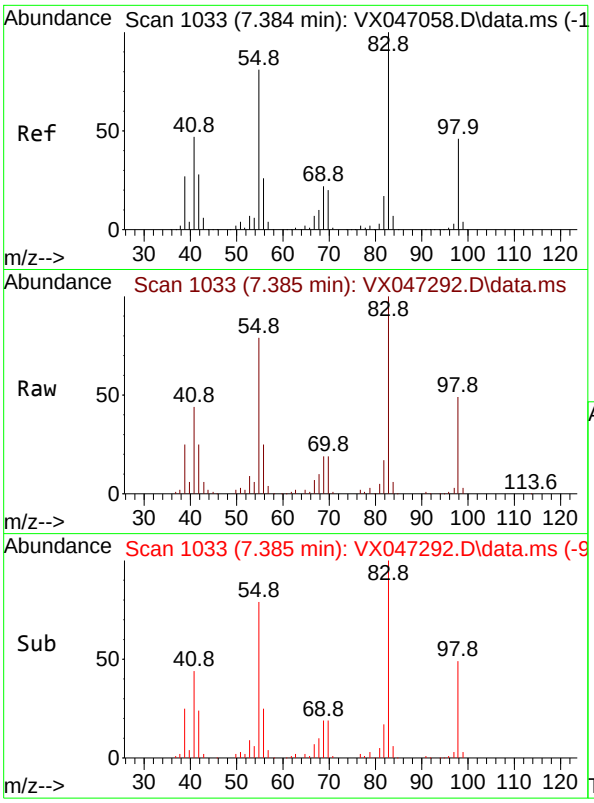


#38
Carbon Tetrachloride
Concen: 18.778 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:117 Resp: 83776

Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.6	115.0
121	33.9	24.4	36.6

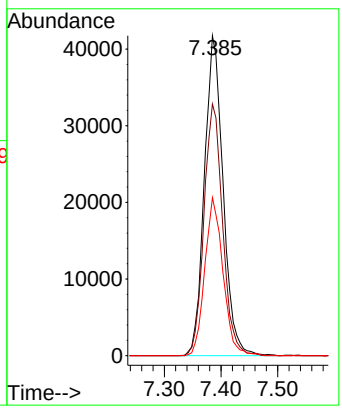




#39
Methylcyclohexane
Concen: 18.320 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 83 Resp: 9561

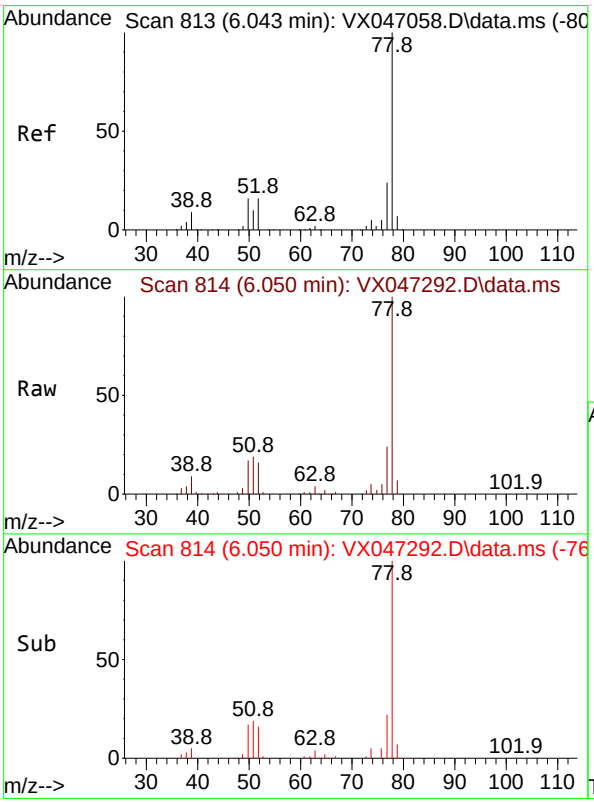
Ion	Ratio	Lower	Upper
83	100		
55	78.7	64.5	96.7
98	49.4	36.9	55.3



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

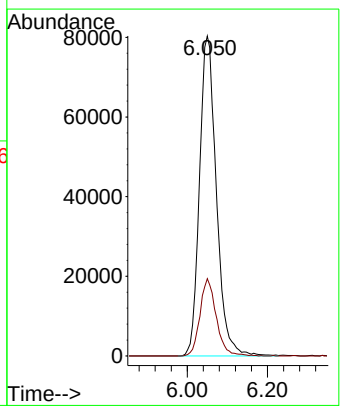
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

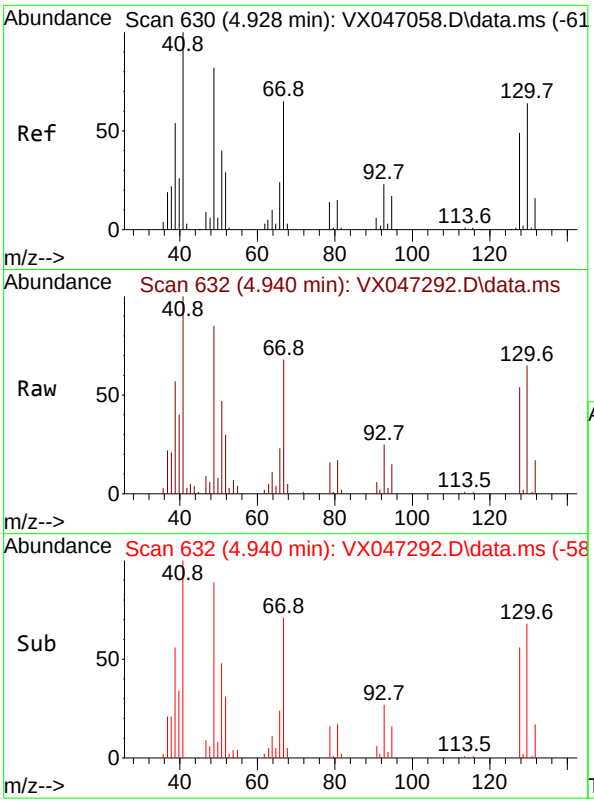


#40
Benzene
Concen: 19.444 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 78 Resp: 235216

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4

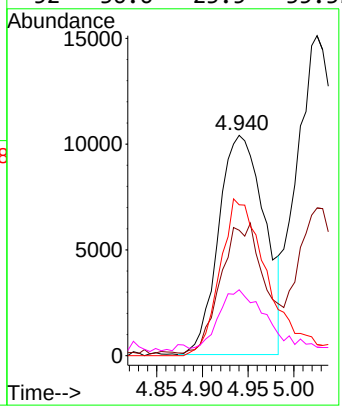




#41
Methacrylonitrile
Concen: 18.070 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.013 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

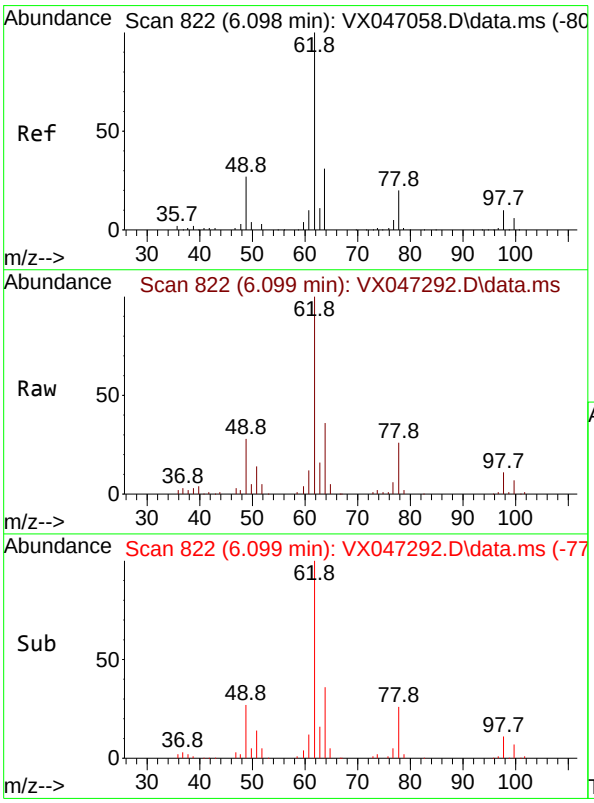
Tgt Ion: 41 Resp: 3639

Ion	Ratio	Lower	Upper
41	100		
39	57.2	44.2	66.2
67	74.9	56.4	84.6
52	36.6	23.5	35.3#



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

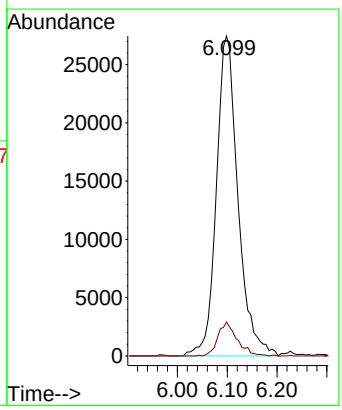
Manual Integrations
APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

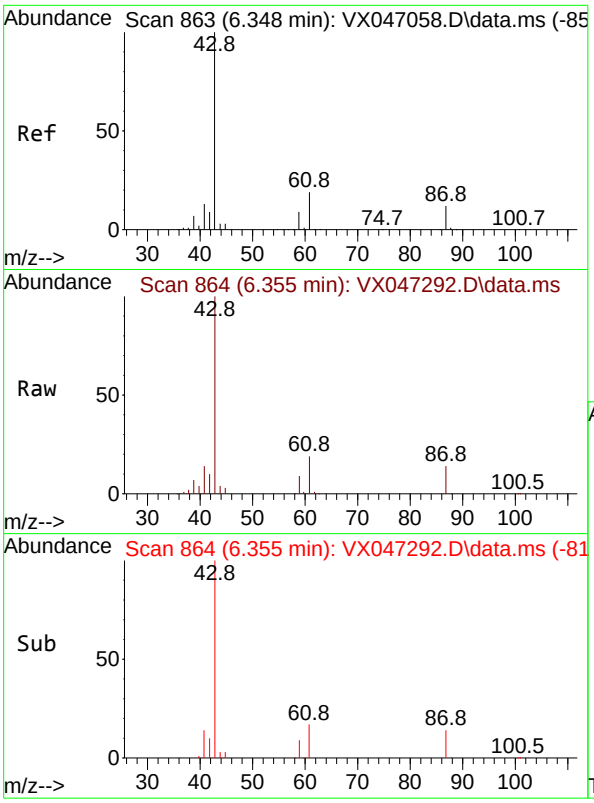


#42
1,2-Dichloroethane
Concen: 19.387 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 62 Resp: 82614

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8

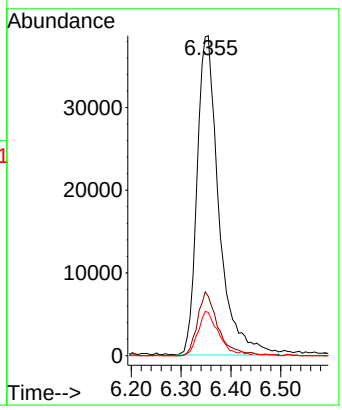




#43
Isopropyl Acetate
Concen: 19.571 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

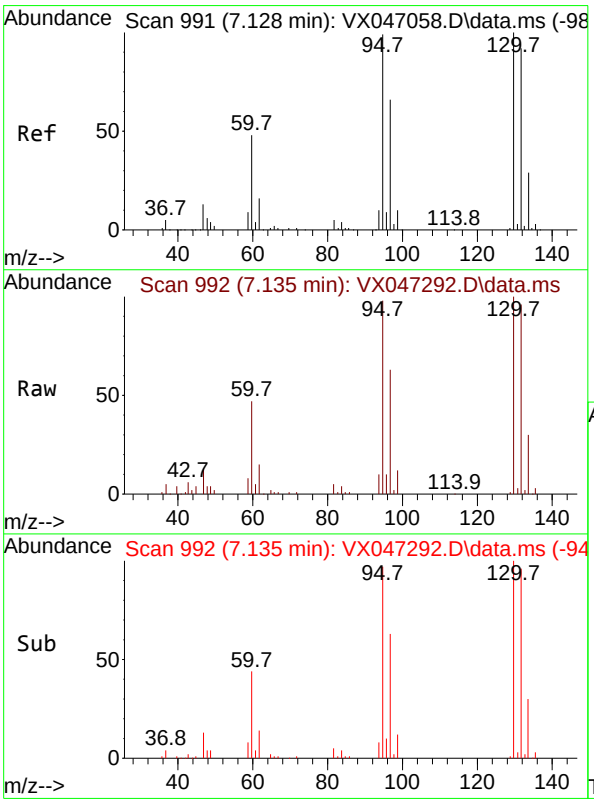
Tgt Ion: 43 Resp: 11752

Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	13.1	9.7	14.5



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

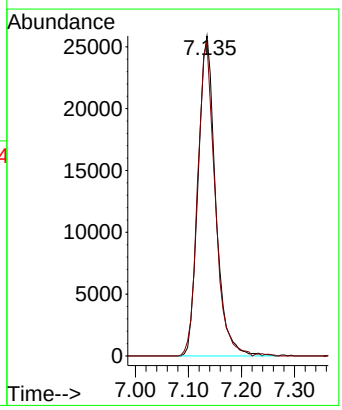
Manual Integrations
APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

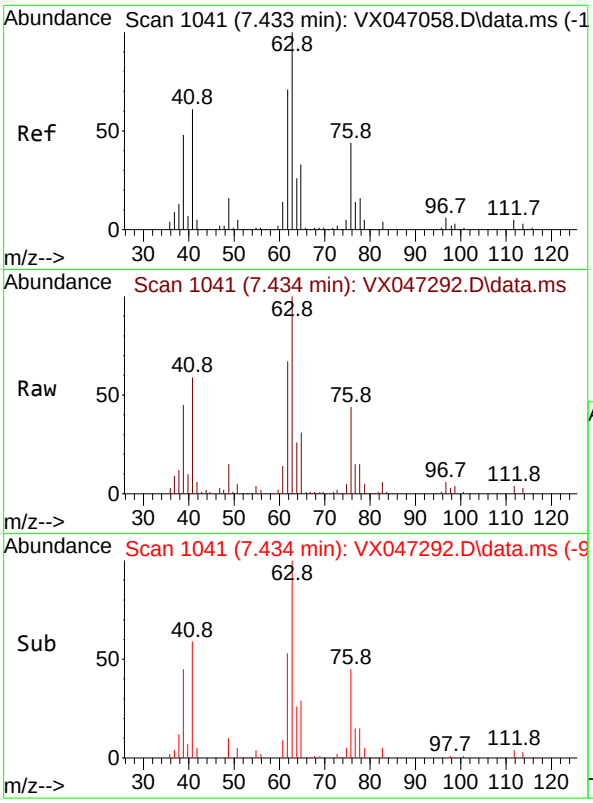


#44
Trichloroethene
Concen: 19.060 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:130 Resp: 59125

Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	198.6

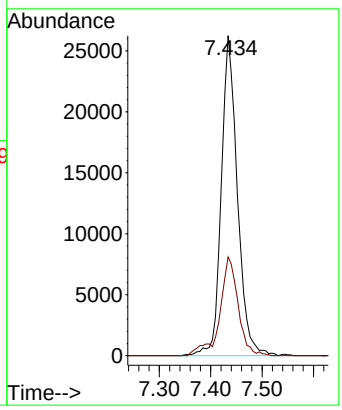




#45
1,2-Dichloropropane
Concen: 18.894 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 63 Resp: 5724

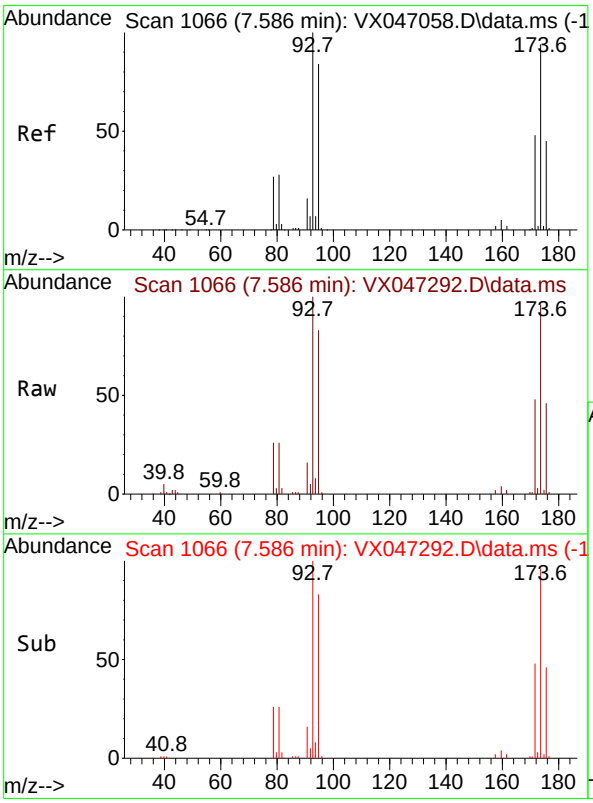
Ion	Ratio	Lower	Upper
63	100		
65	30.8	26.3	39.5



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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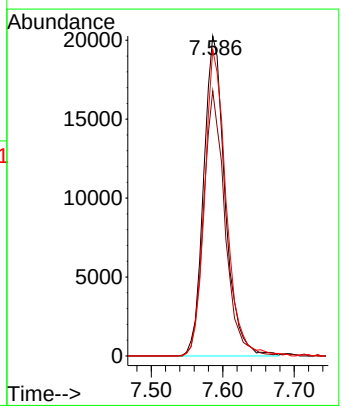
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

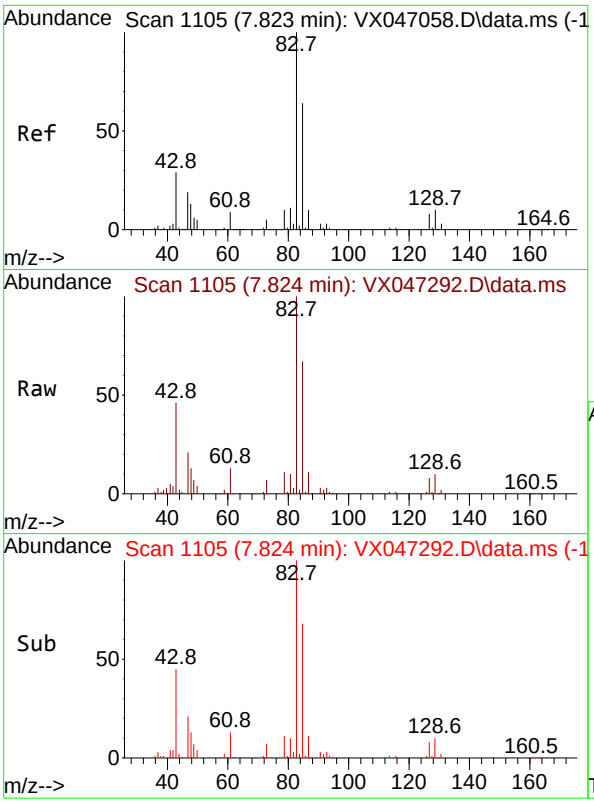


#46
Dibromomethane
Concen: 19.805 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 93 Resp: 42078

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.9	98.9
174	96.2	74.6	112.0

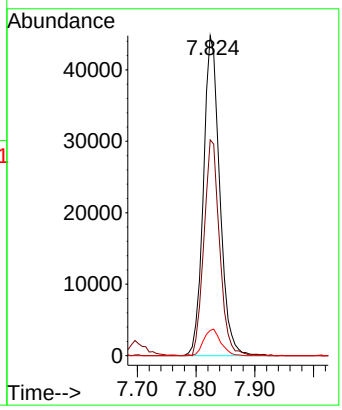




#47
Bromodichloromethane
Concen: 19.148 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 83 Resp: 8659

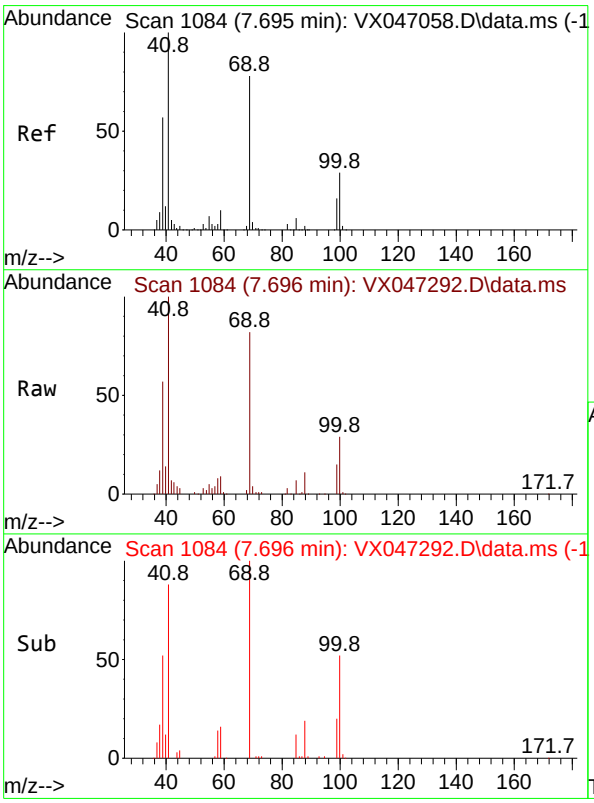
Ion	Ratio	Lower	Upper
83	100		
85	67.4	49.9	74.9
127	7.9	6.6	10.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

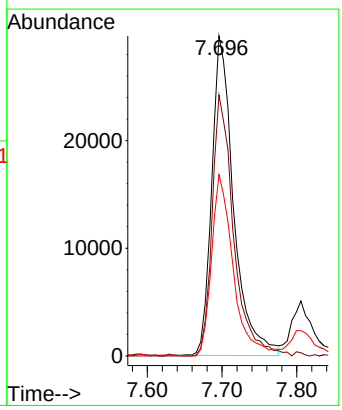
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

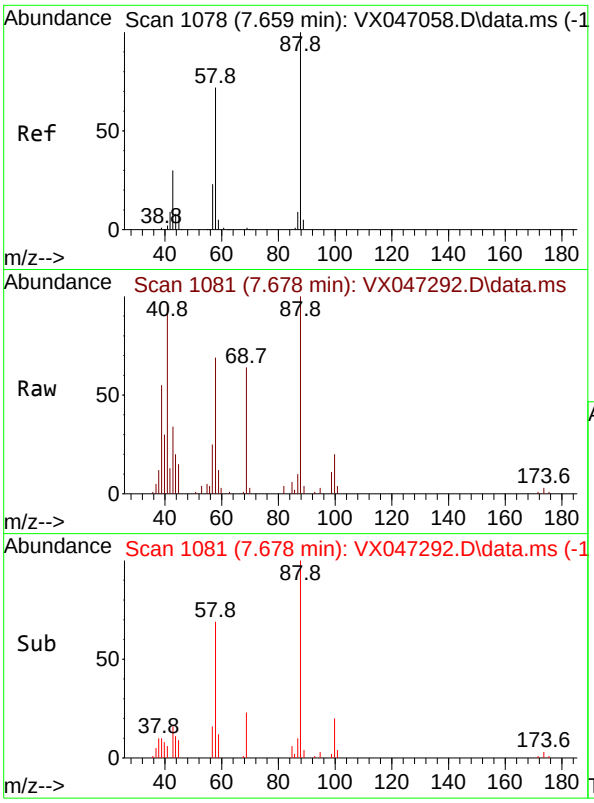


#48
Methyl methacrylate
Concen: 18.534 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 41 Resp: 60629

Ion	Ratio	Lower	Upper
41	100		
69	79.8	62.3	93.5
39	56.1	44.8	67.2





#49
1,4-Dioxane
Concen: 312.134 ug/l
RT: 7.678 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

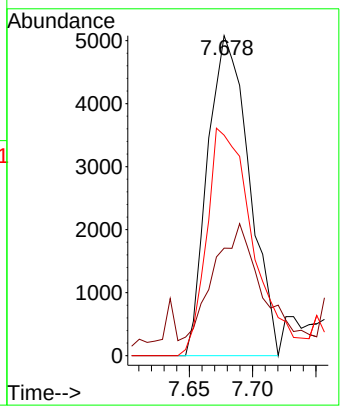
Tgt Ion: 88 Resp: 1161

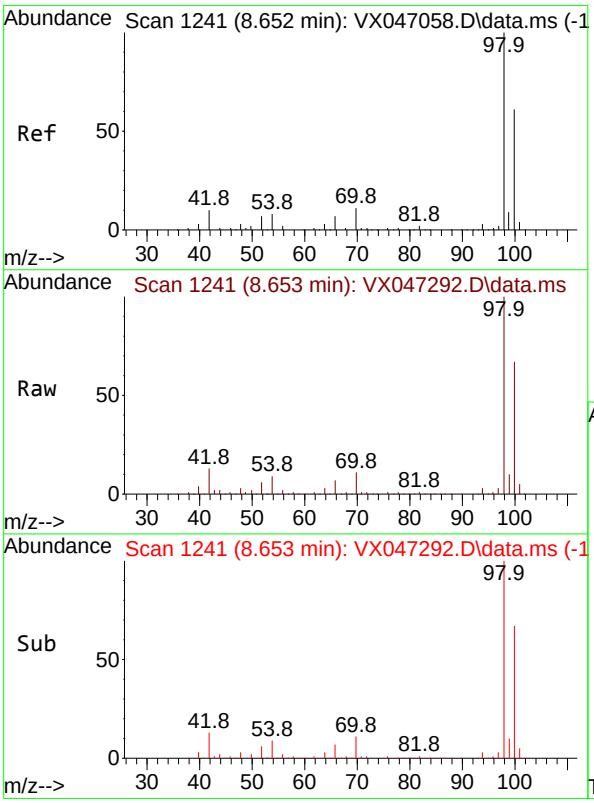
Ion	Ratio	Lower	Upper
88	100		
43	37.5	33.6	50.4
58	79.9	58.8	88.2

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

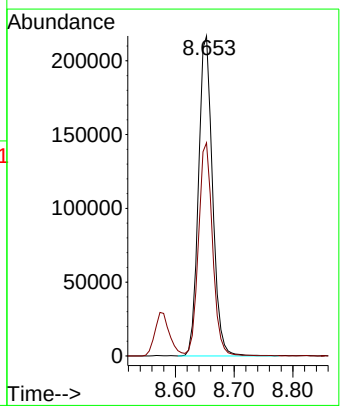


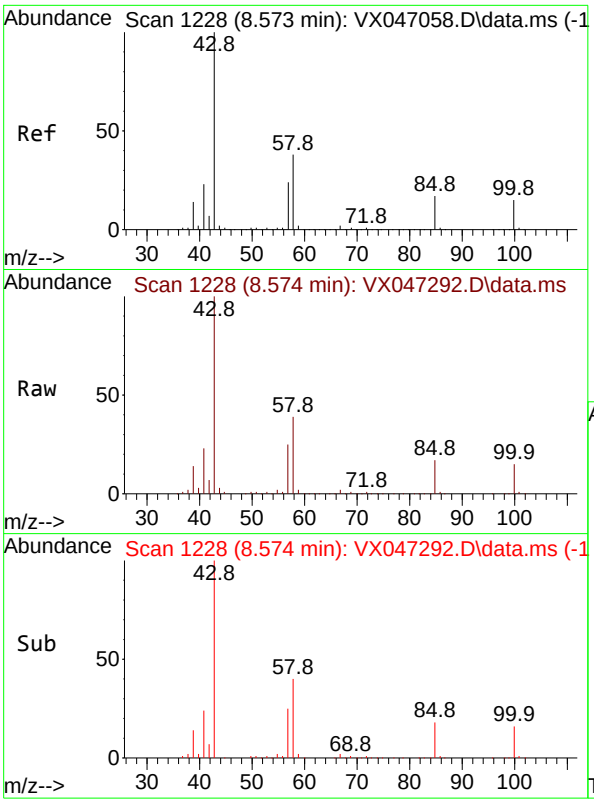


#50
Toluene-d8
Concen: 45.326 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 98 Resp: 359955

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9

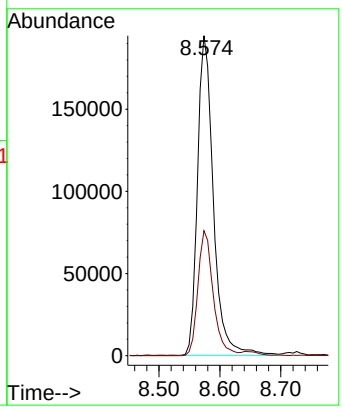




#51
4-Methyl-2-Pentanone
Concen: 98.713 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 43 Resp: 35231

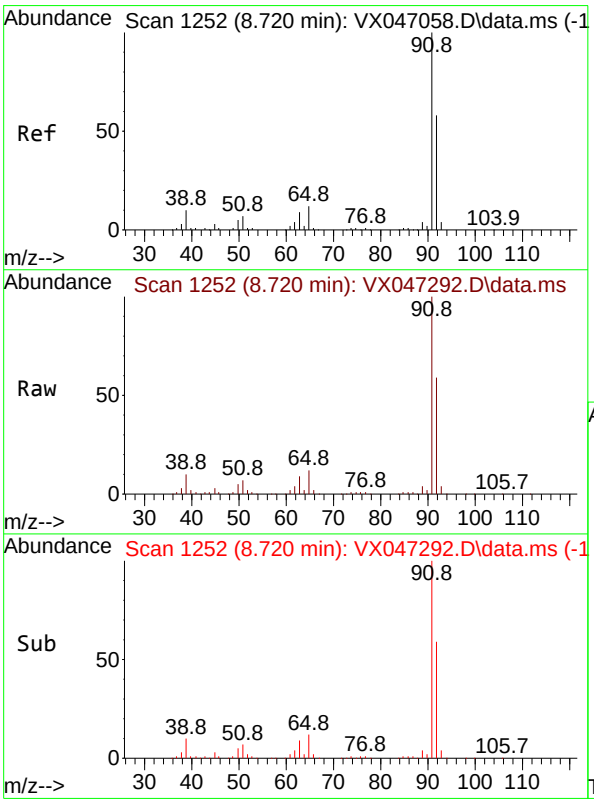
Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.6	45.8



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

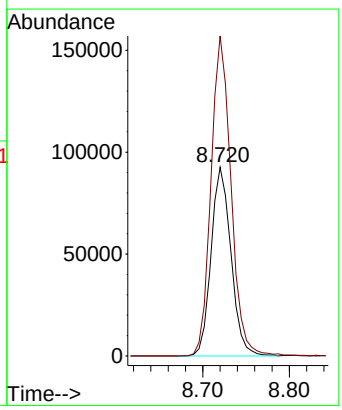
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

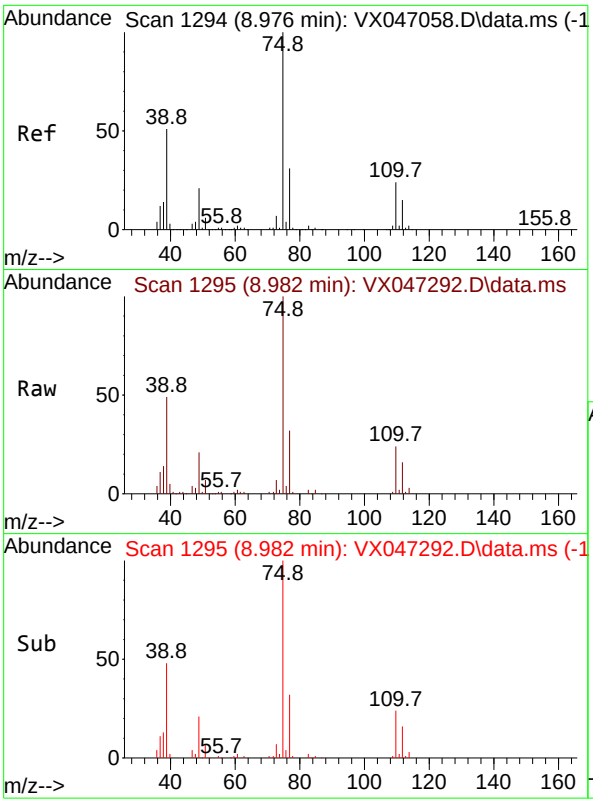


#52
Toluene
Concen: 19.855 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 92 Resp: 147686

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.9	206.9

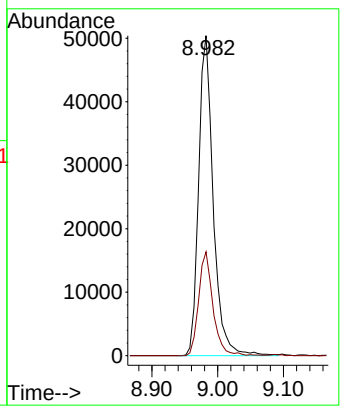




#53
t-1,3-Dichloropropene
Concen: 18.232 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 75 Resp: 7786

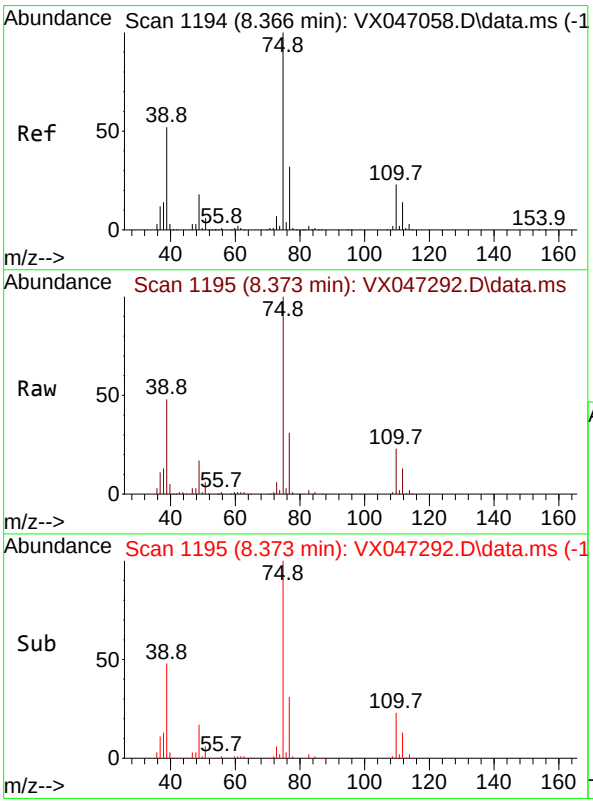
Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.5	36.7



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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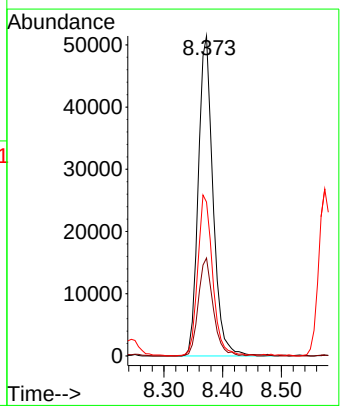
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

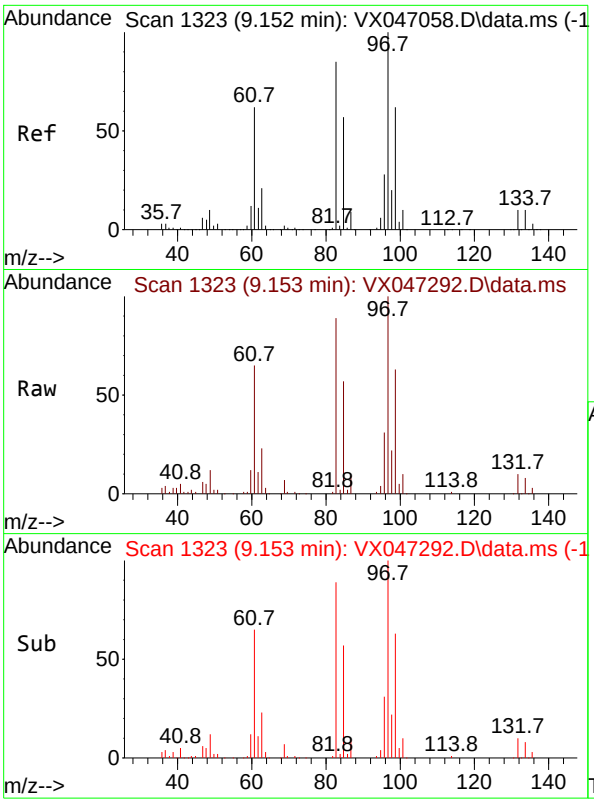


#54
cis-1,3-Dichloropropene
Concen: 19.154 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 75 Resp: 89524

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0
39	48.0	41.8	62.6

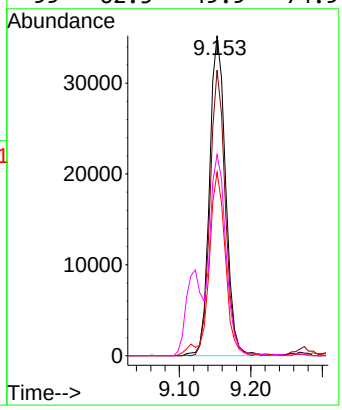




#55
1,1,2-Trichloroethane
Concen: 19.748 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

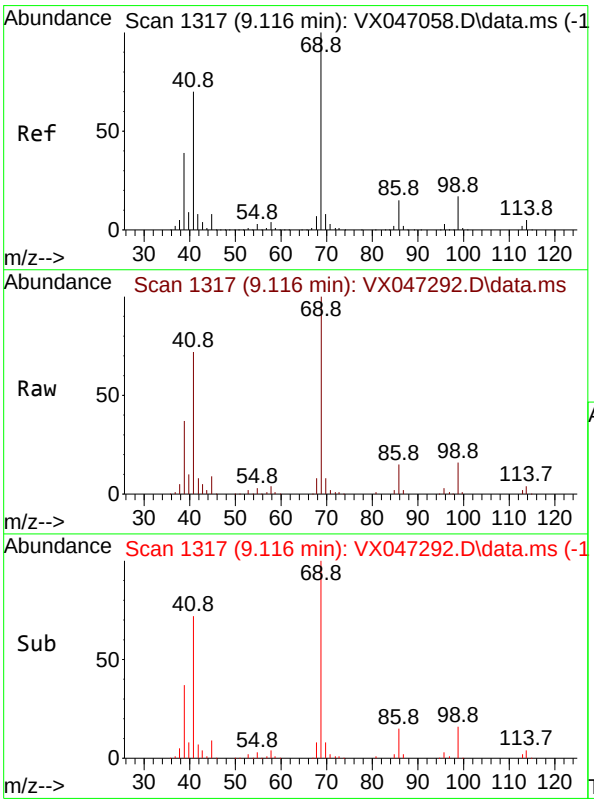
Tgt Ion: 97 Resp: 5508

Ion	Ratio	Lower	Upper
97	100		
83	89.2	68.0	102.0
85	57.1	45.2	67.8
99	62.5	49.9	74.9



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

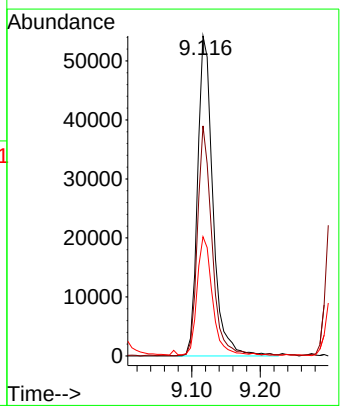
Manual Integrations
APPROVED
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

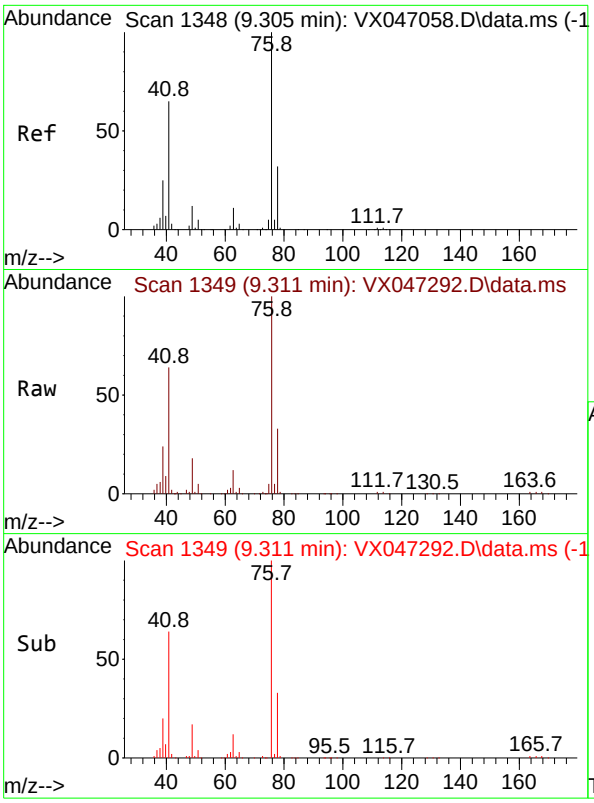


#56
Ethyl methacrylate
Concen: 20.440 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 69 Resp: 84408

Ion	Ratio	Lower	Upper
69	100		
41	67.8	56.1	84.1
39	37.3	31.1	46.7





#57
1,3-Dichloropropane
Concen: 19.566 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

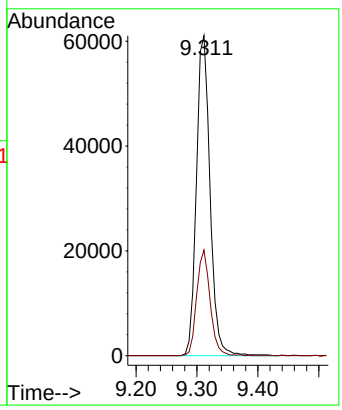
Tgt Ion: 76 Resp: 9485

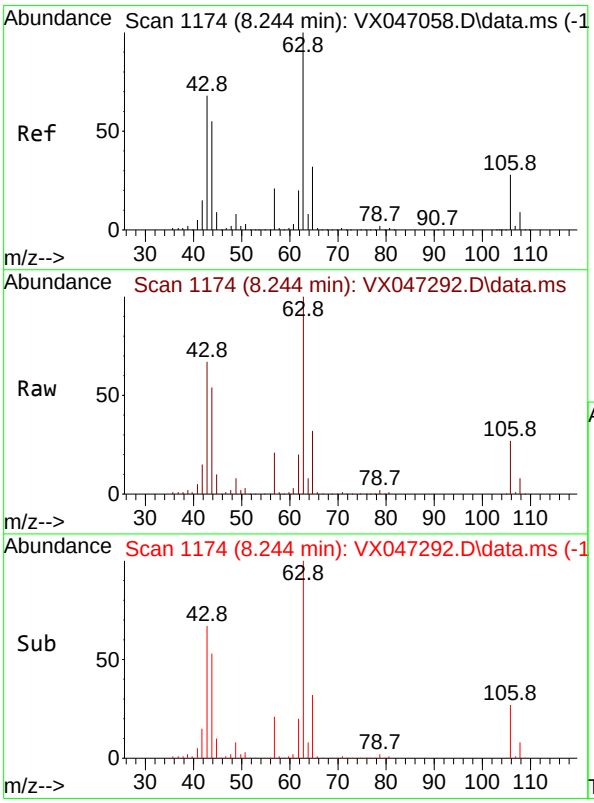
Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

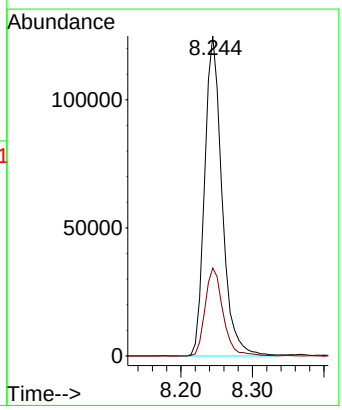


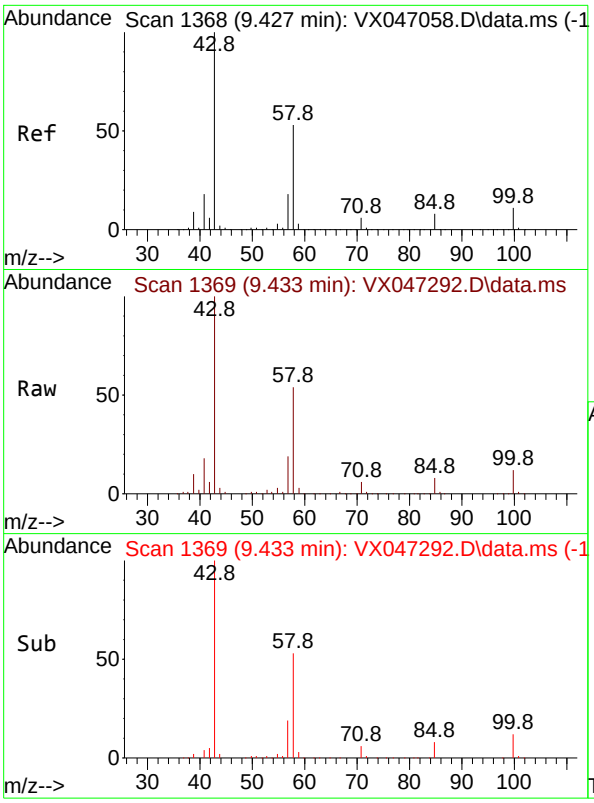


#58
2-Chloroethyl Vinyl ether
Concen: 91.734 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 63 Resp: 210805

Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.2	33.4

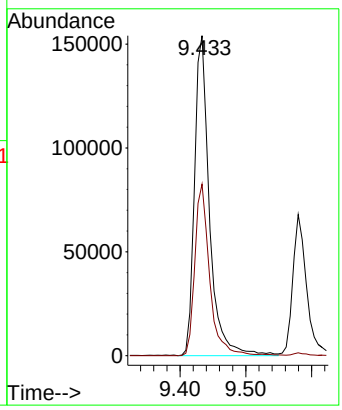




#59
2-Hexanone
Concen: 103.045 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 43 Resp: 24298

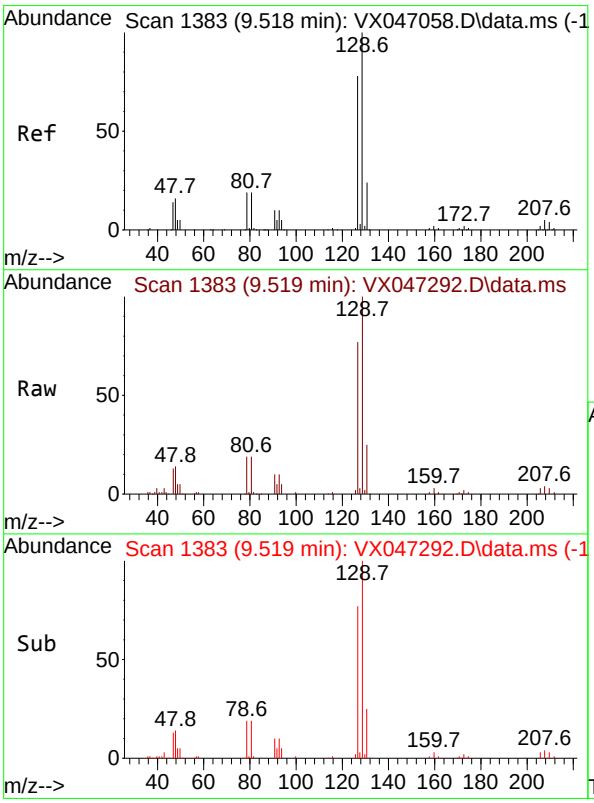
Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.5	79.5



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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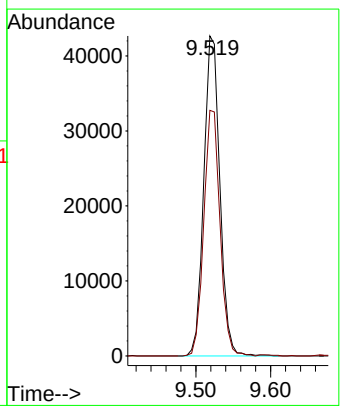
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

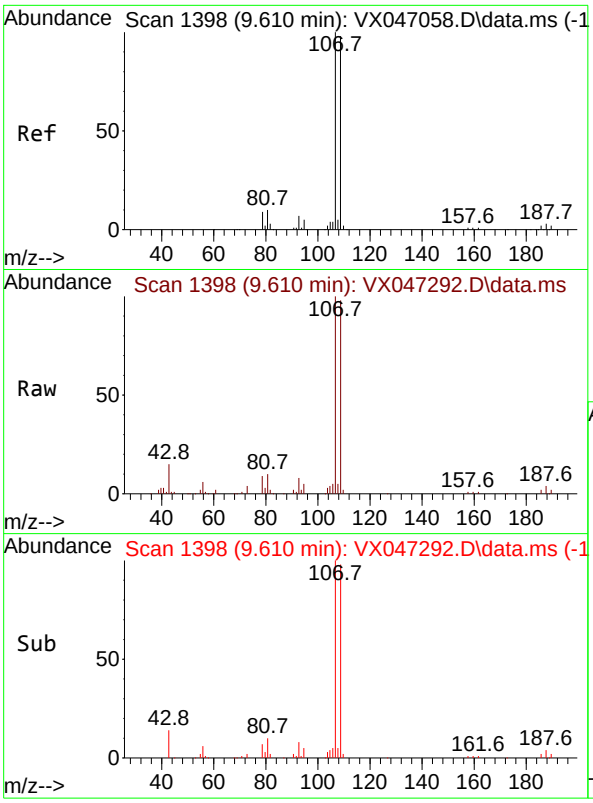


#60
Dibromochloromethane
Concen: 19.459 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:129 Resp: 63662

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8





#61
1,2-Dibromoethane
Concen: 19.182 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

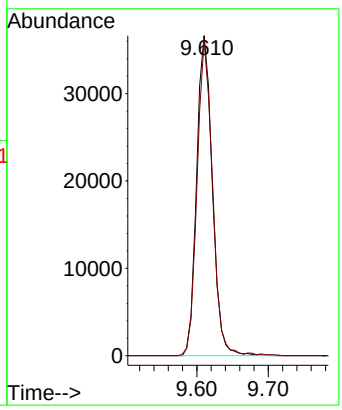
Tgt Ion:107 Resp: 5595

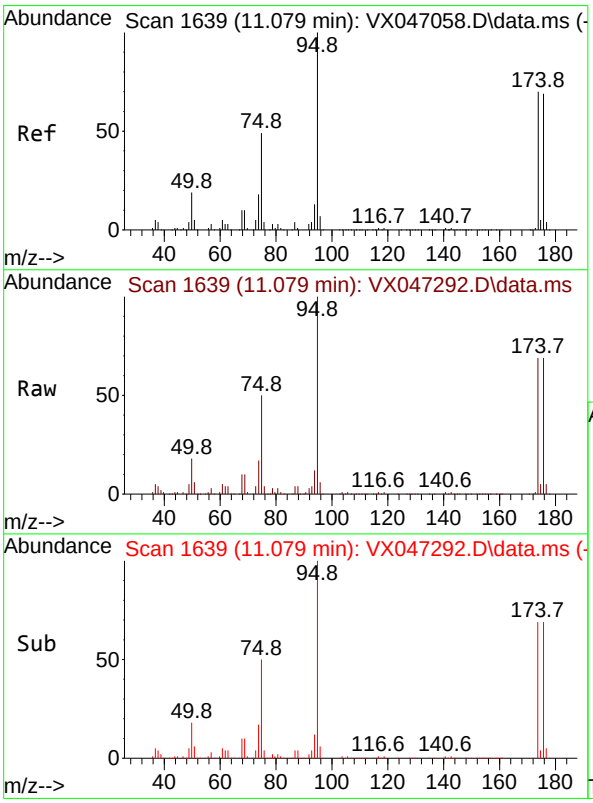
Ion	Ratio	Lower	Upper
107	100		
109	96.2	74.6	112.0

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

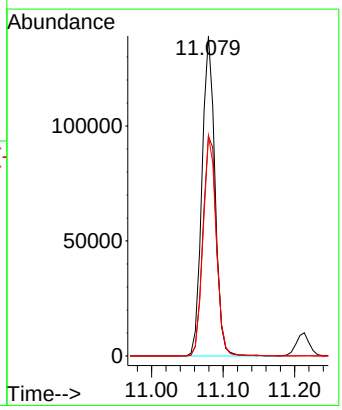


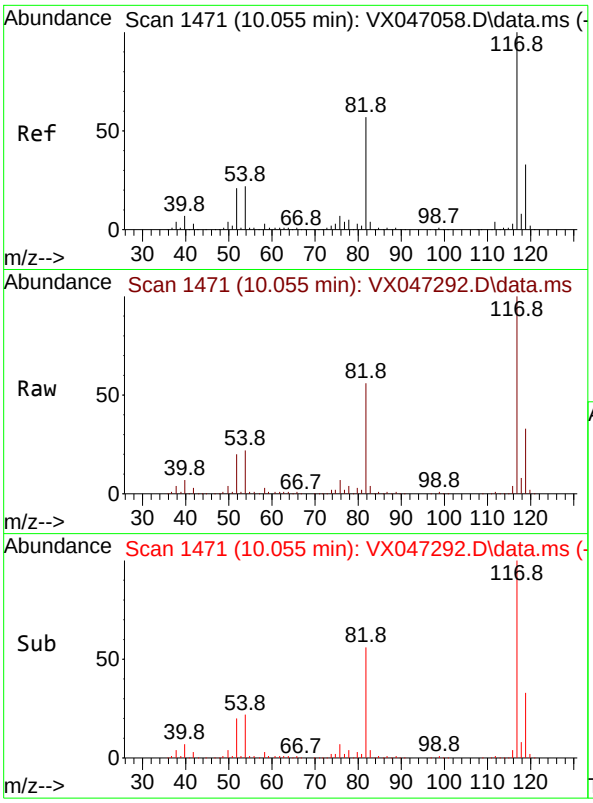


#62
4-Bromofluorobenzene
Concen: 51.287 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 95 Resp: 175522

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	144.6
176	69.7	0.0	139.6

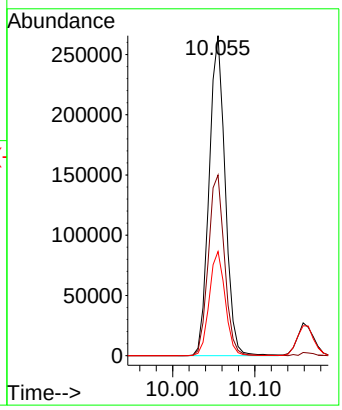




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:117 Resp: 359769

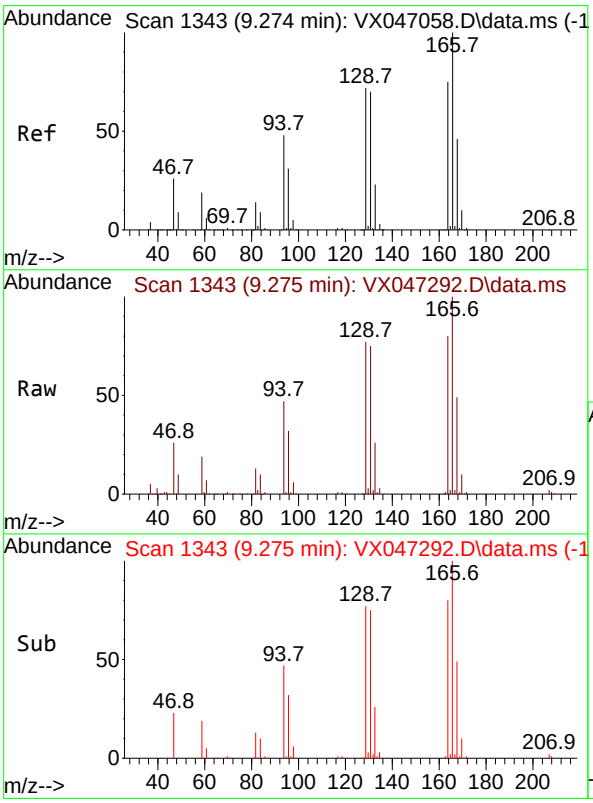
Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.4	68.2
119	32.6	26.1	39.1



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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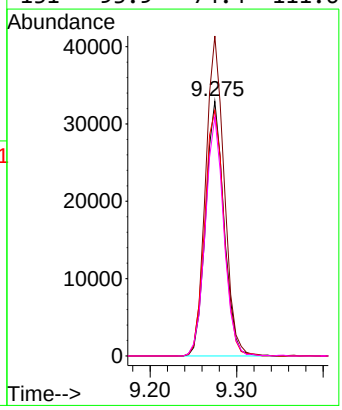
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

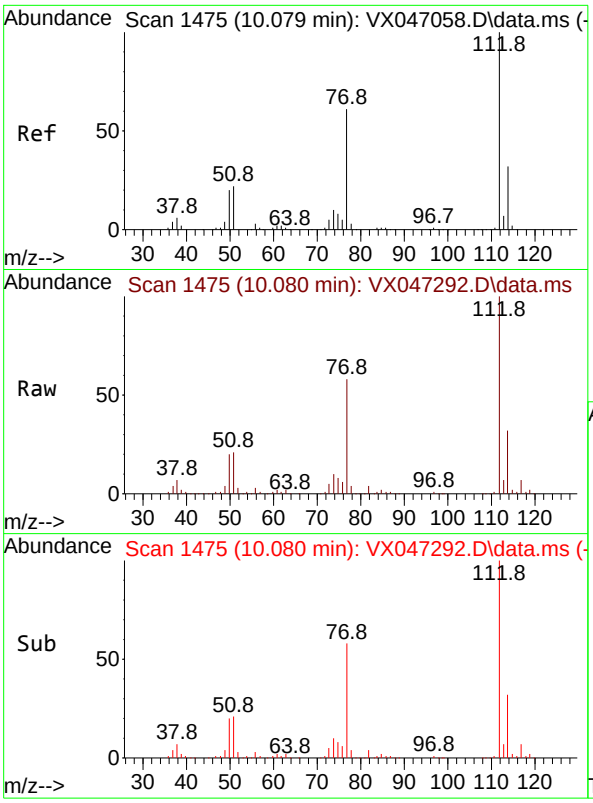


#64
Tetrachloroethene
Concen: 18.671 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:164 Resp: 48424

Ion	Ratio	Lower	Upper
164	100		
166	125.7	106.2	159.4
129	96.4	76.6	114.8
131	93.9	74.4	111.6

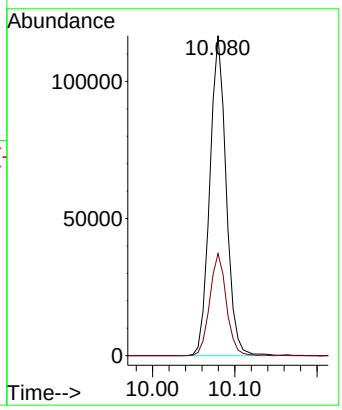




#65
Chlorobenzene
Concen: 19.207 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:112 Resp: 16188

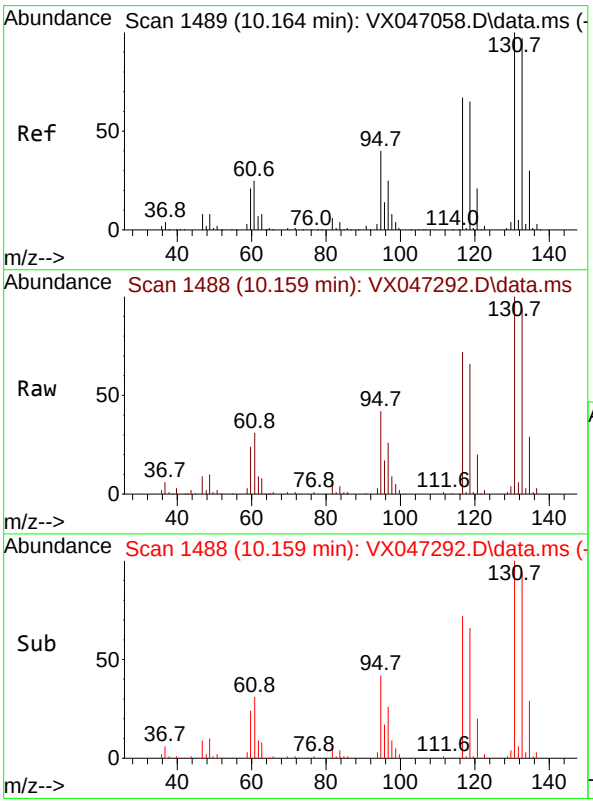
Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

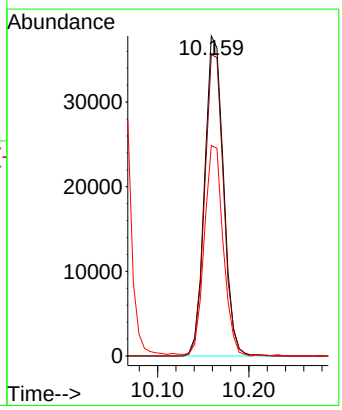
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

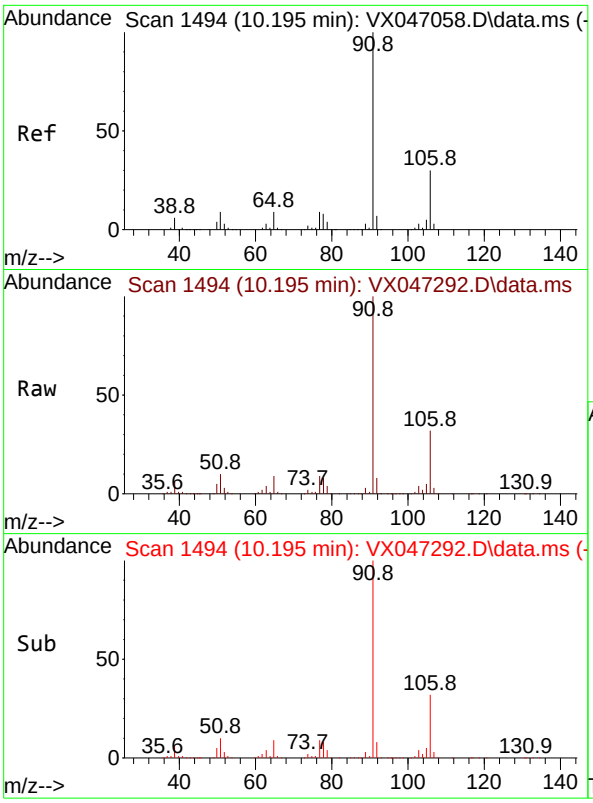


#66
1,1,1,2-Tetrachloroethane
Concen: 19.114 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:131 Resp: 54239

Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.4	145.3
119	66.1	32.4	97.0

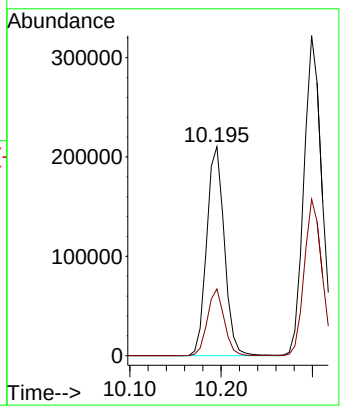




#67
Ethyl Benzene
Concen: 19.147 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 91 Resp: 28215

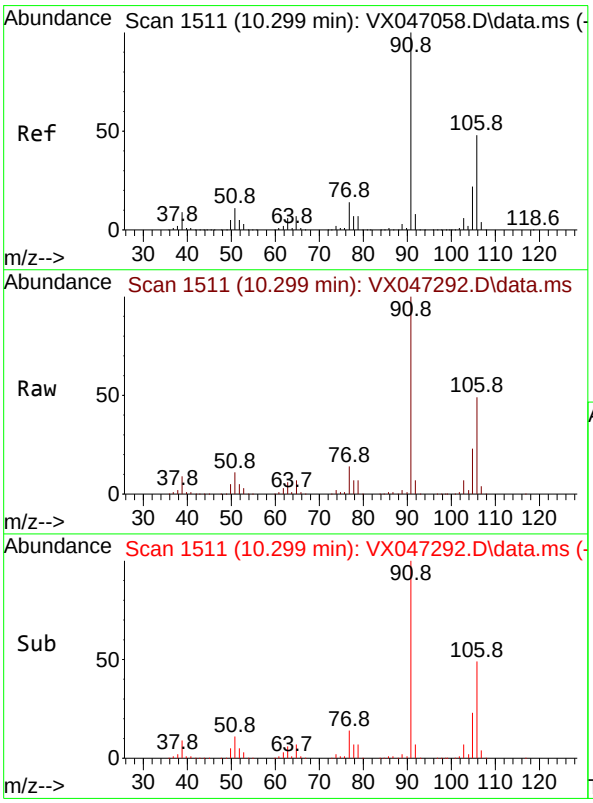
Ion	Ratio	Lower	Upper
91	100		
106	32.0	24.2	36.4



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

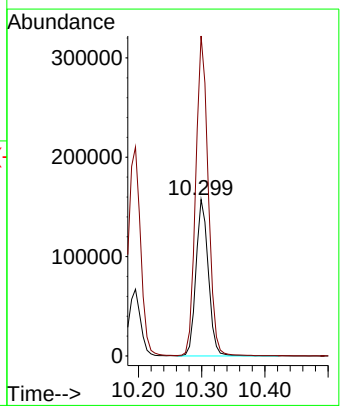
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

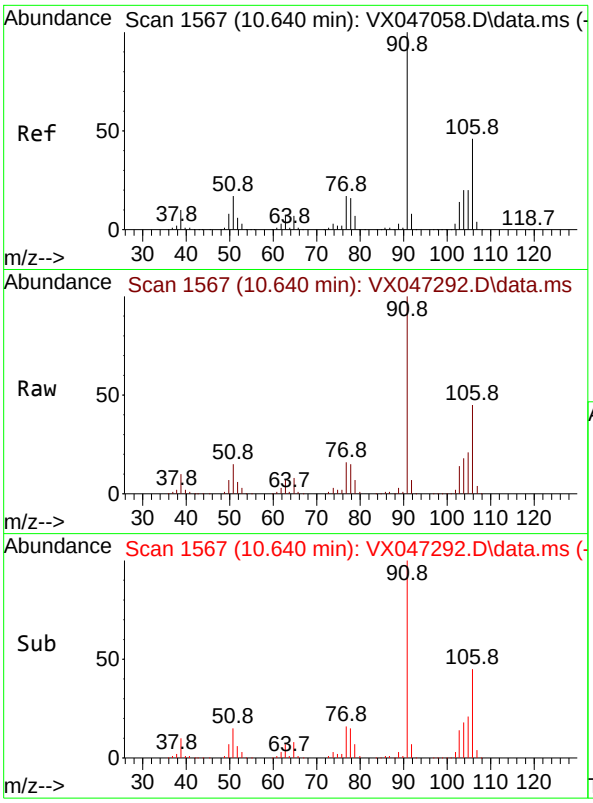


#68
m/p-Xylenes
Concen: 38.871 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:106 Resp: 214358

Ion	Ratio	Lower	Upper
106	100		
91	206.5	167.4	251.0

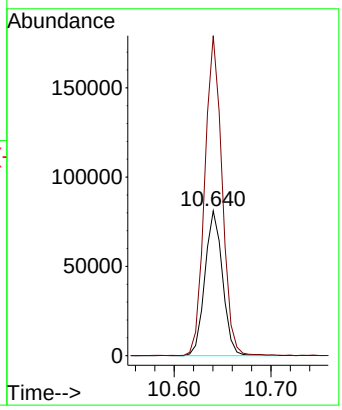




#69
o-Xylene
Concen: 19.606 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:106 Resp: 10285

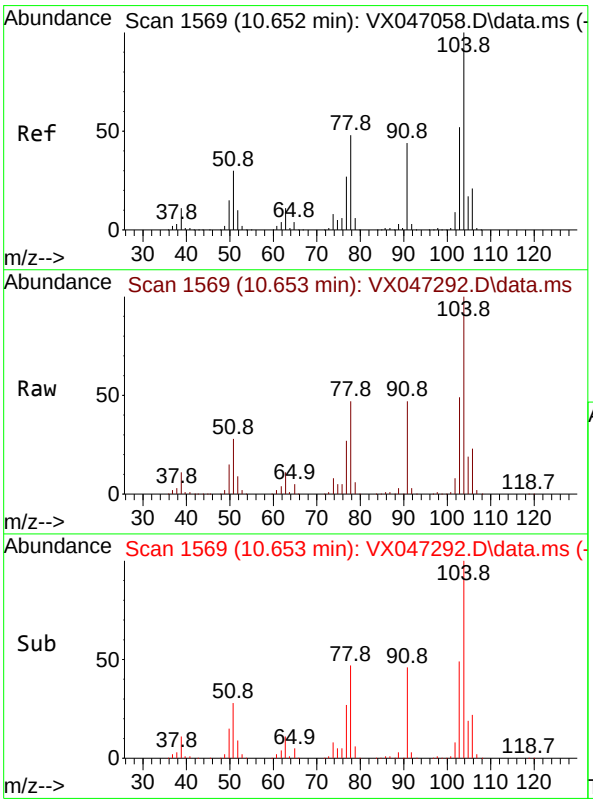
Ion	Ratio	Lower	Upper
106	100		
91	217.8	110.3	331.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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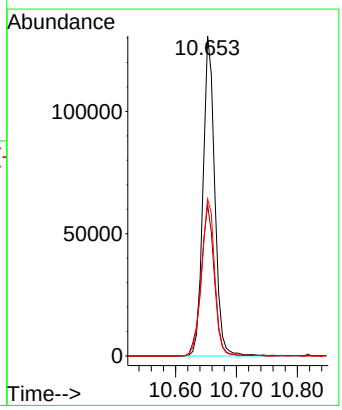
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

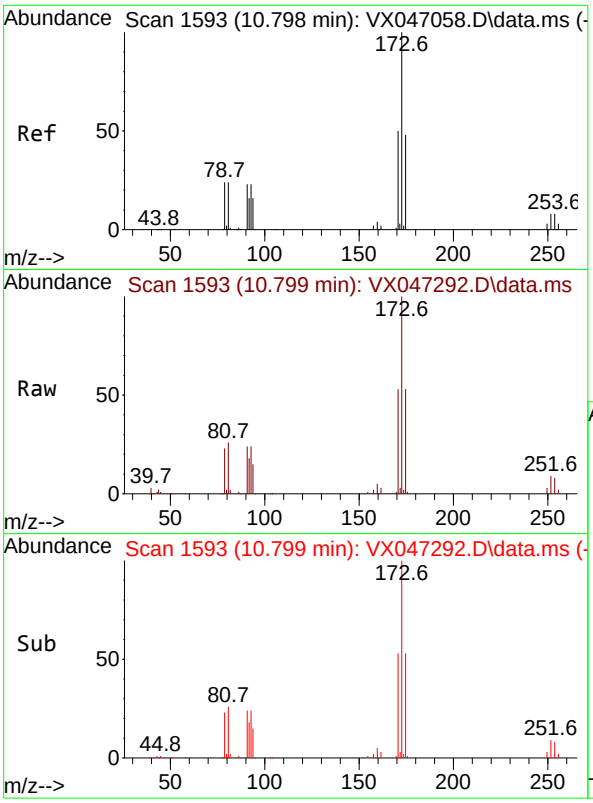


#70
Styrene
Concen: 19.570 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:104 Resp: 176051

Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.0	63.0
103	54.9	43.8	65.6

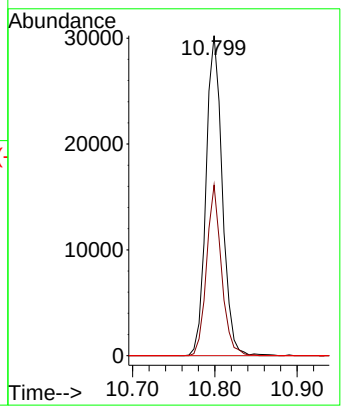




#71
Bromoform
Concen: 19.216 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

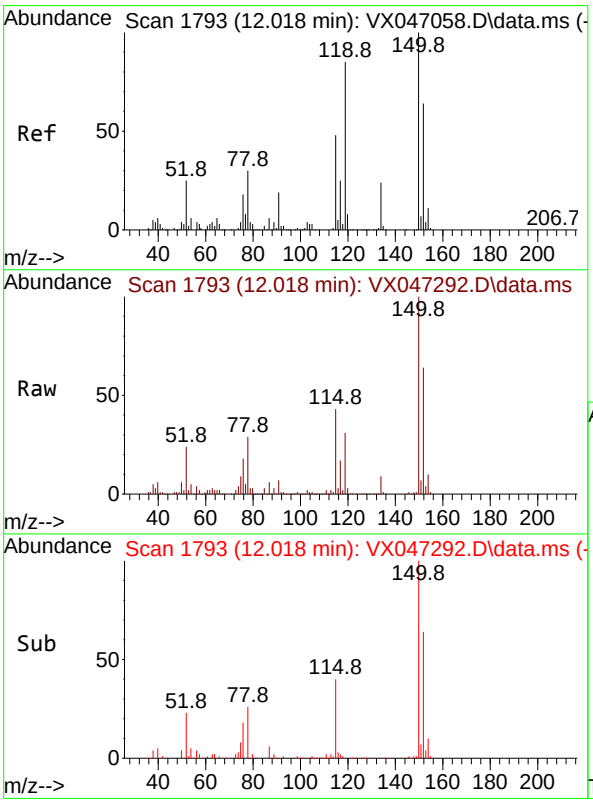
Tgt Ion:173 Resp: 4142

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.2	72.6
254	0.0	0.1	0.1



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

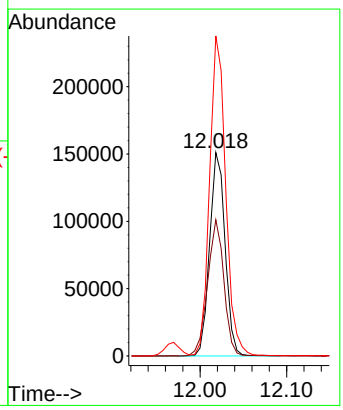
Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

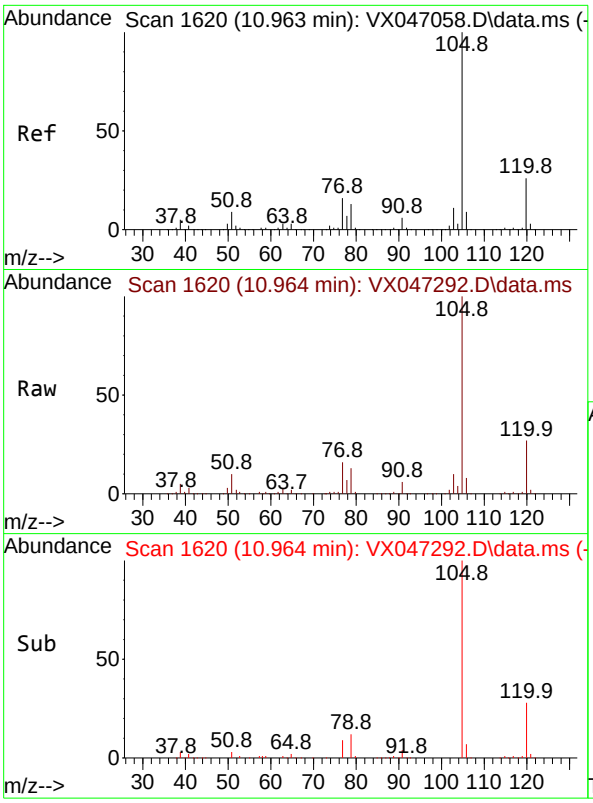


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:152 Resp: 187721

Ion	Ratio	Lower	Upper
152	100		
115	70.6	45.6	136.7
150	163.0	0.0	354.6





#73
Isopropylbenzene
Concen: 18.177 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

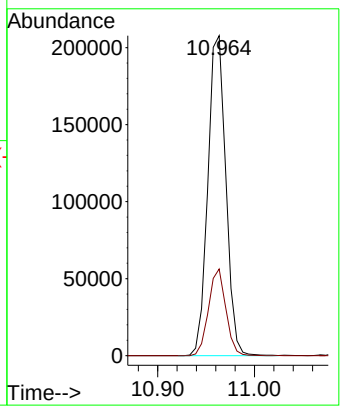
Tgt Ion:105 Resp: 26920

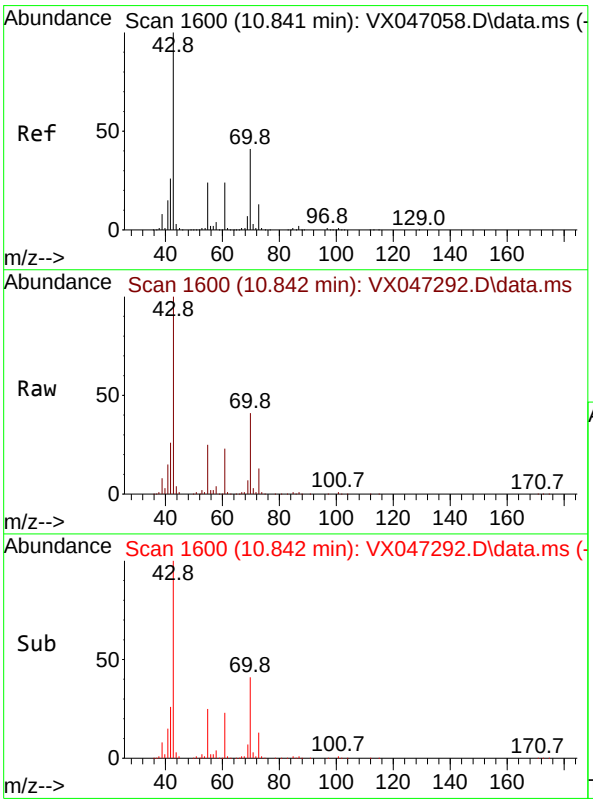
Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

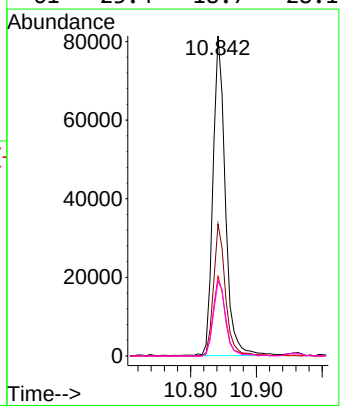


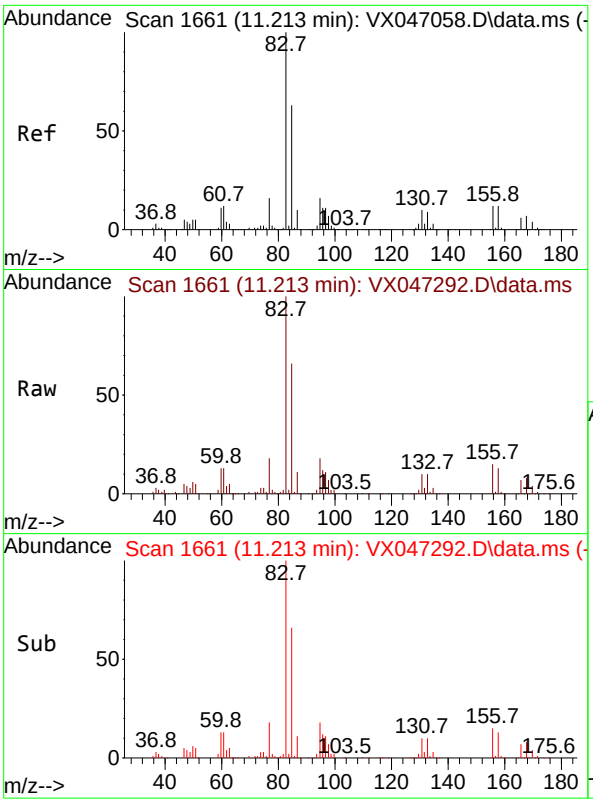


#74
N-amyl acetate
Concen: 17.783 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 43 Resp: 106264

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.3	48.5
55	25.0	18.9	28.3
61	23.4	18.7	28.1

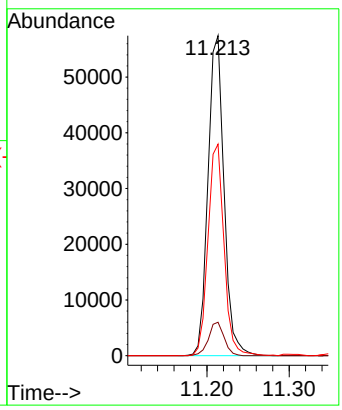




#75
1,1,2,2-Tetrachloroethane
Concen: 18.397 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 83 Resp: 7782

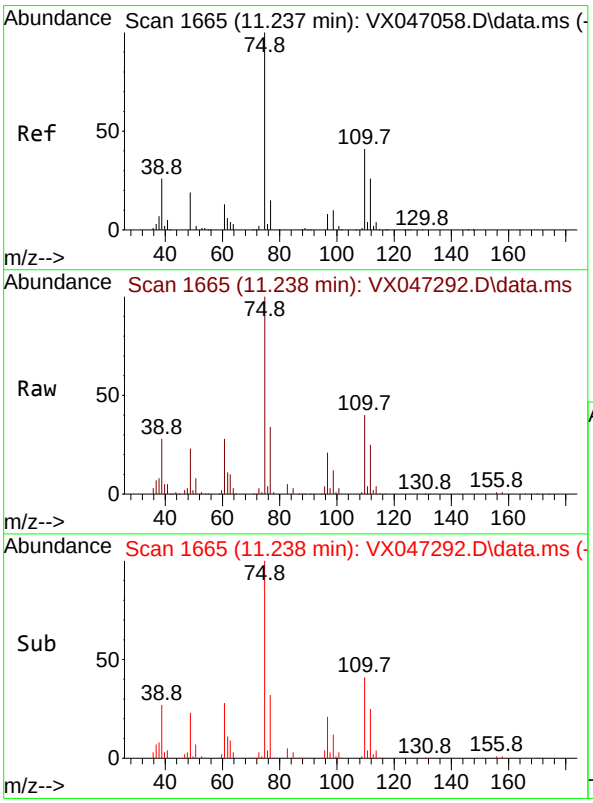
Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	66.0	32.0	96.2



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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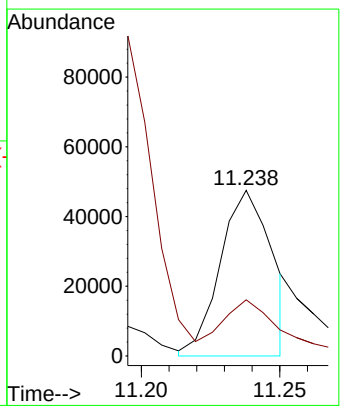
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

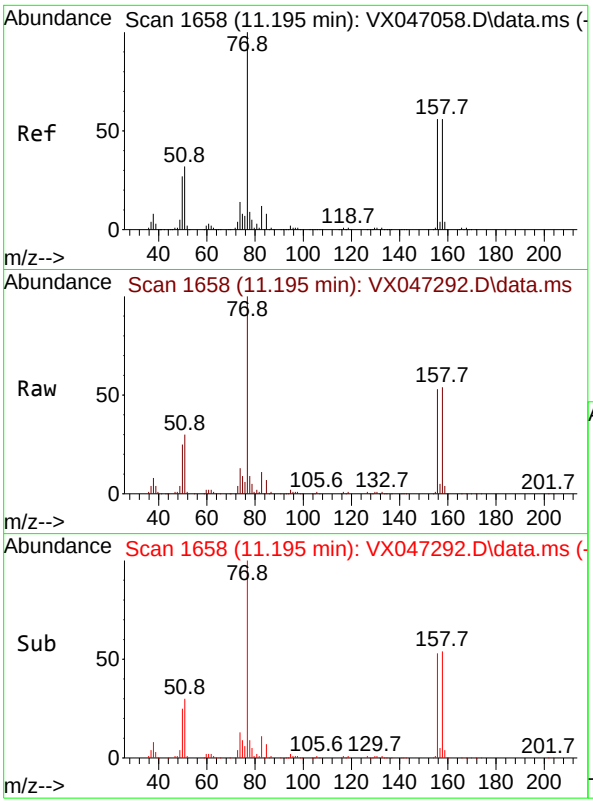


#76
1,2,3-Trichloropropane
Concen: 17.739 ug/l m
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 75 Resp: 61637

Ion	Ratio	Lower	Upper
75	100		
77	39.7	21.6	65.0

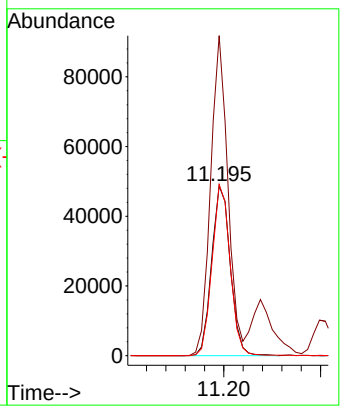




#77
Bromobenzene
Concen: 18.290 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

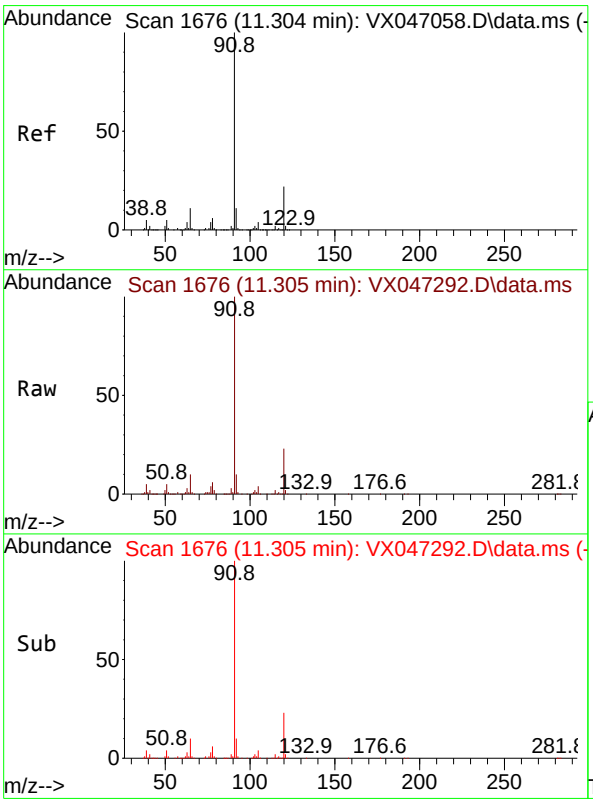
Tgt Ion:156 Resp: 6497

Ion	Ratio	Lower	Upper
156	100		
77	174.3	87.3	261.9
158	98.0	48.9	146.6



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

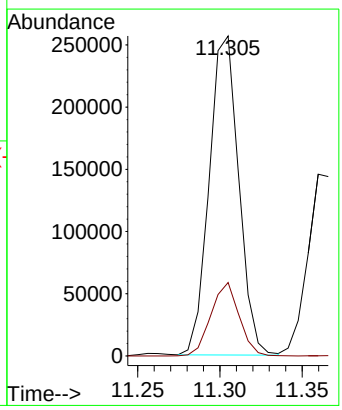
Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

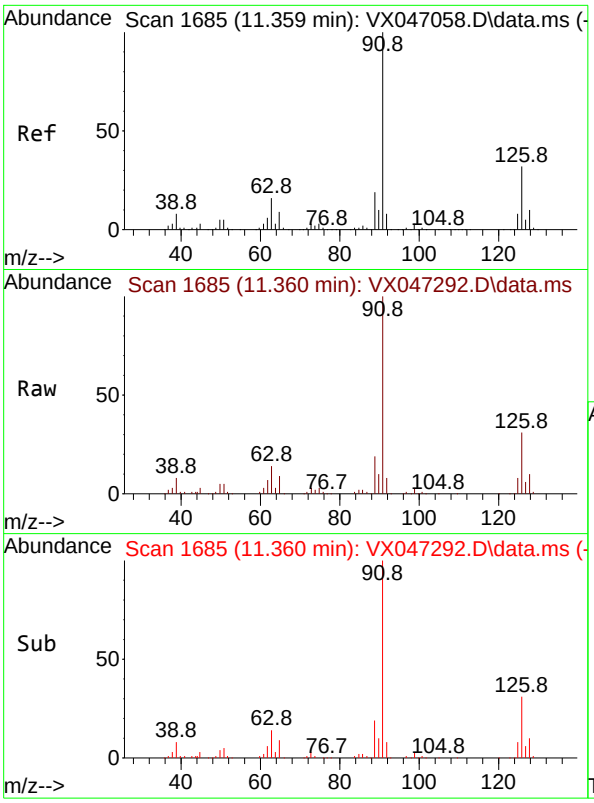


#78
n-propylbenzene
Concen: 18.125 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 91 Resp: 320780

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0





#79
2-Chlorotoluene
Concen: 18.037 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

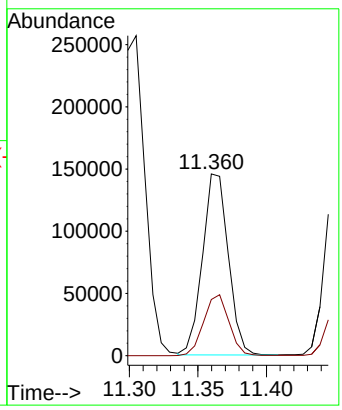
Tgt Ion: 91 Resp: 19081

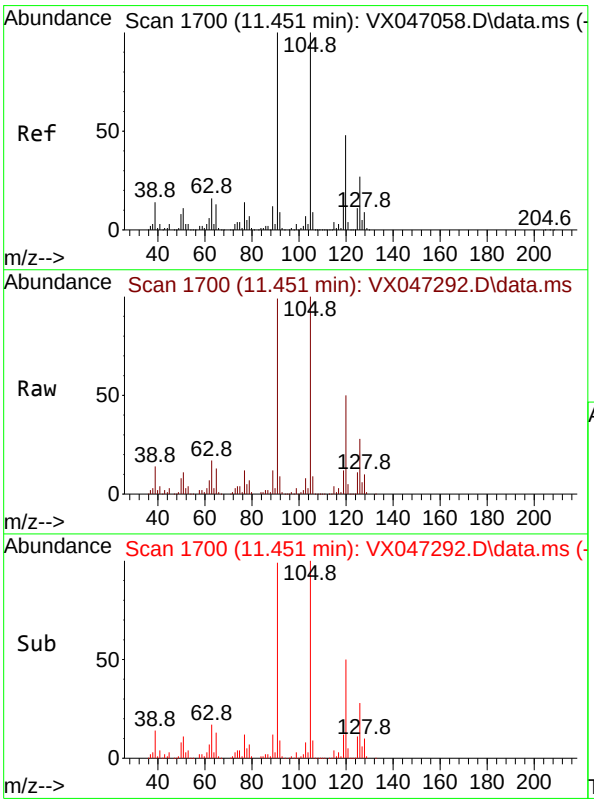
Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

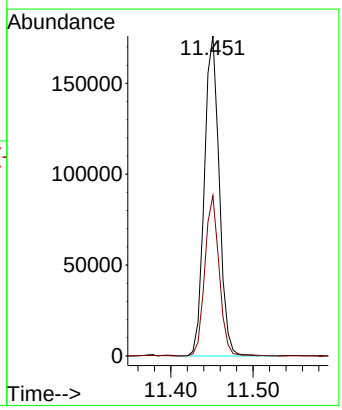


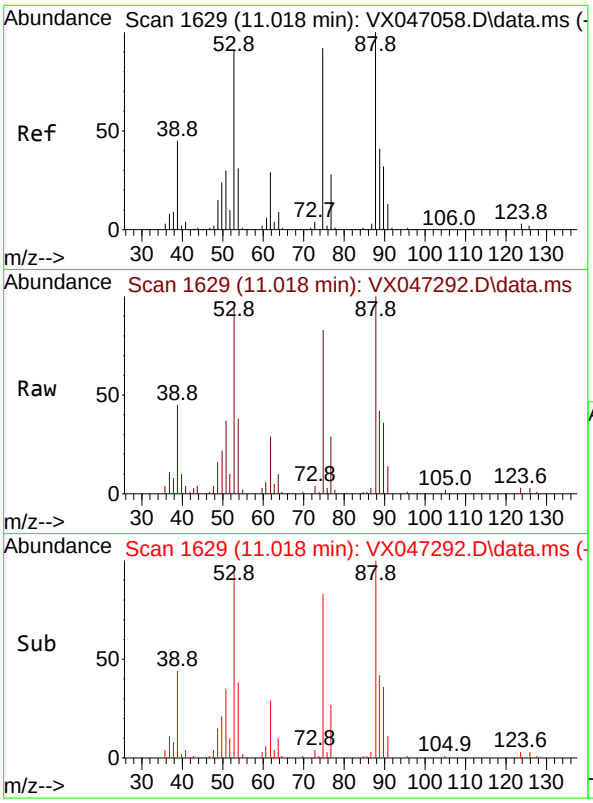


#80
1,3,5-Trimethylbenzene
Concen: 18.133 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:105 Resp: 221860

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.8	71.5





#81
trans-1,4-Dichloro-2-butene
Concen: 8.952 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

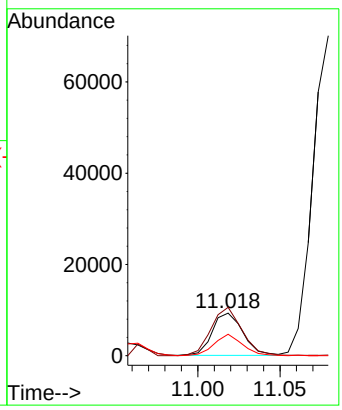
Tgt Ion: 75 Resp: 1207

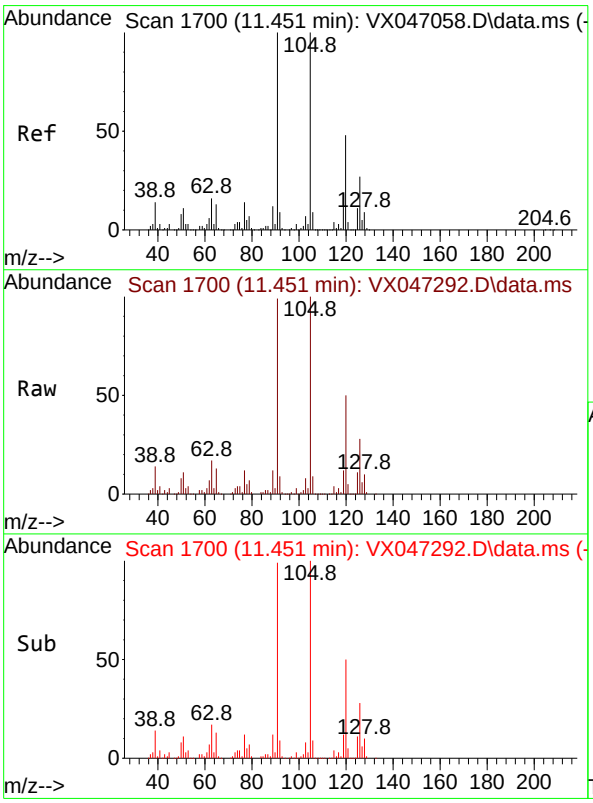
Ion	Ratio	Lower	Upper
75	100		
53	115.6	84.2	126.4
89	47.1	36.0	54.0

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

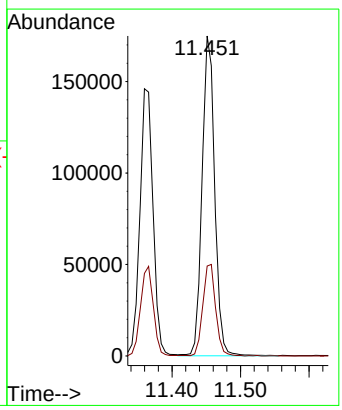


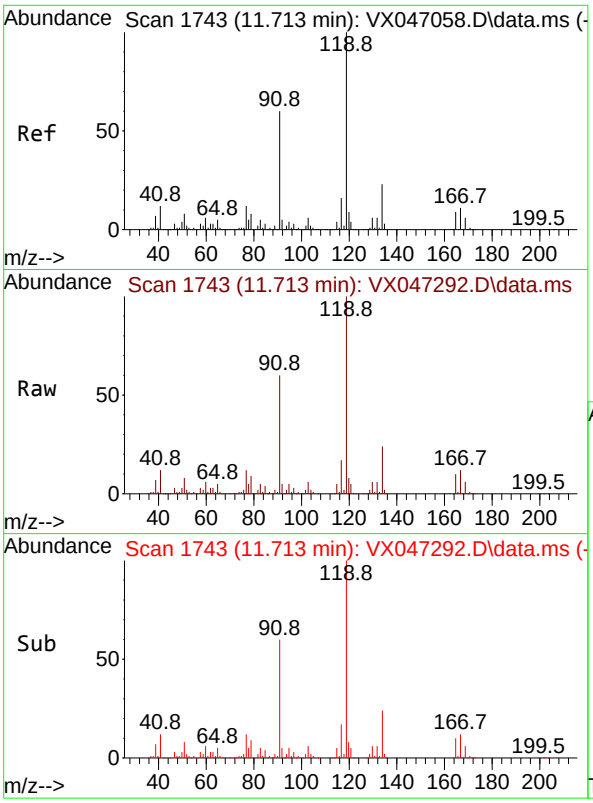


#82
4-Chlorotoluene
Concen: 18.136 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 91 Resp: 223949

Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.1	42.3

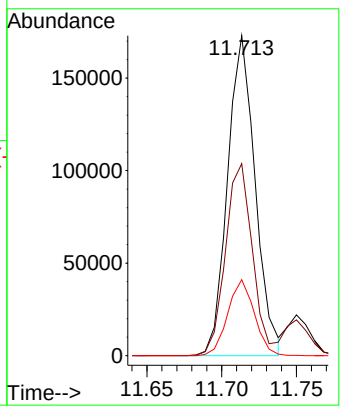




#83
tert-Butylbenzene
Concen: 18.105 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:119 Resp: 22233

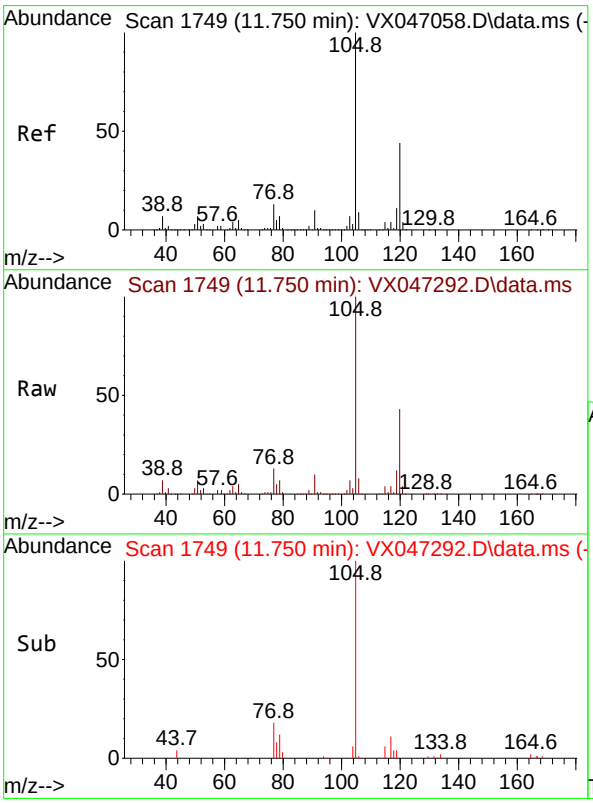
Ion	Ratio	Lower	Upper
119	100		
91	57.8	29.6	88.8
134	22.9	11.4	34.1



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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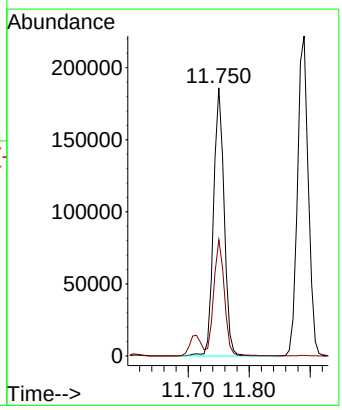
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

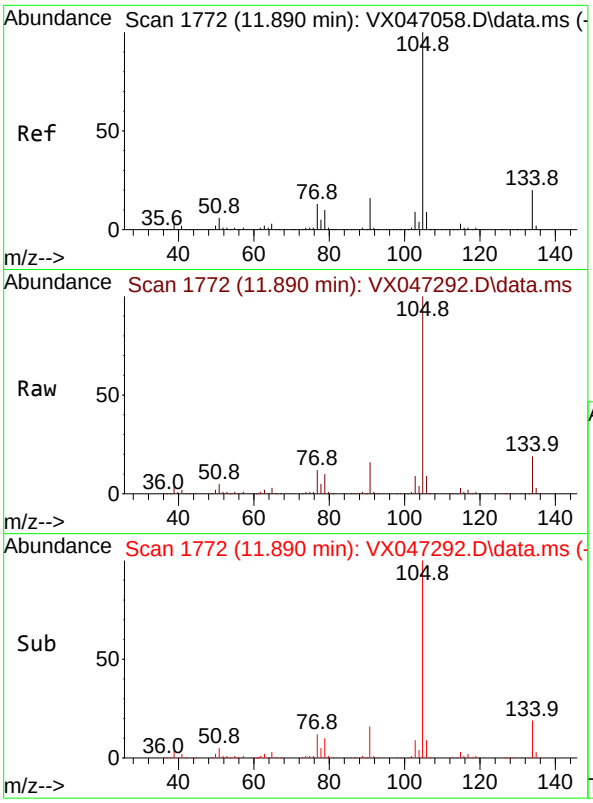


#84
1,2,4-Trimethylbenzene
Concen: 18.442 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:105 Resp: 225067

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.0	66.0





#85
sec-Butylbenzene
Concen: 17.848 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

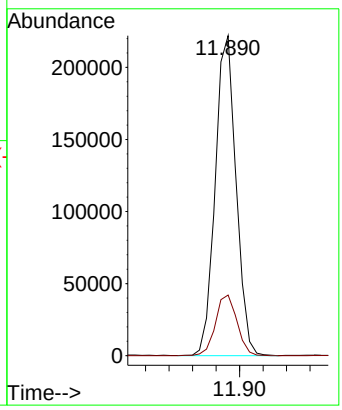
Tgt Ion:105 Resp: 27385

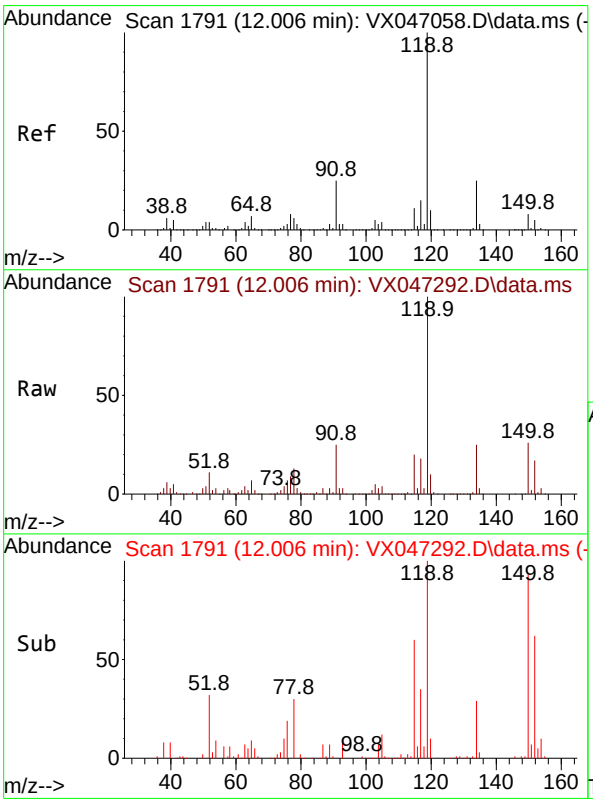
Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

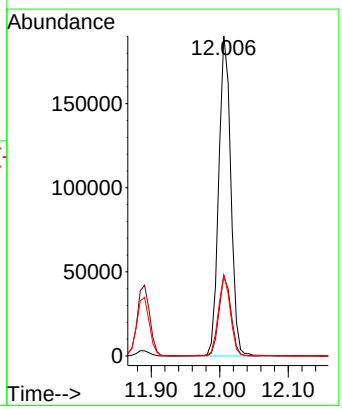


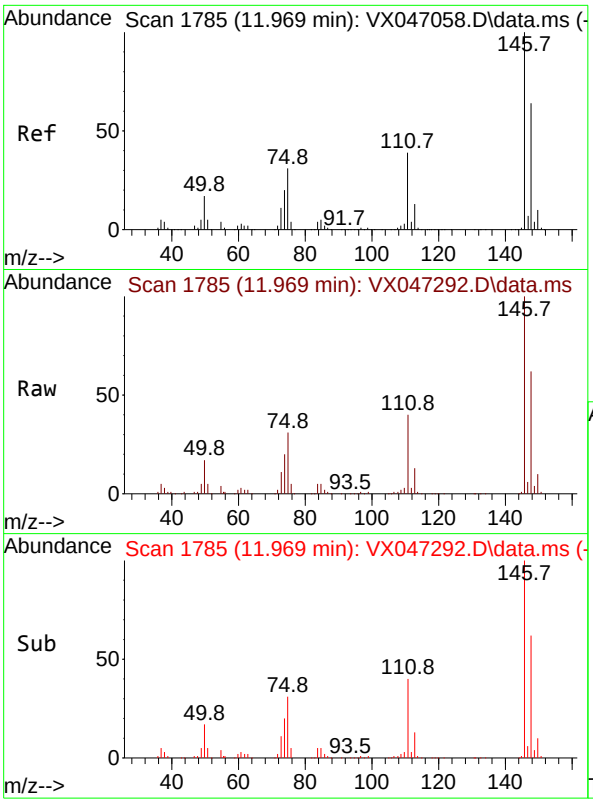


#86
p-Isopropyltoluene
Concen: 18.173 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:119 Resp: 231241

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.8	38.4
91	24.9	12.4	37.4

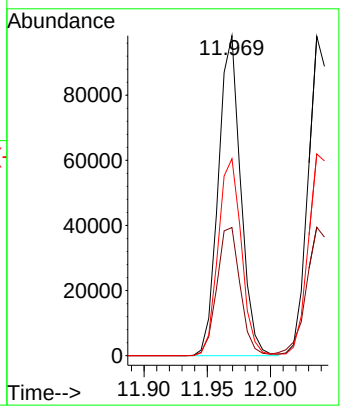




#87
1,3-Dichlorobenzene
Concen: 17.906 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:146 Resp: 12085

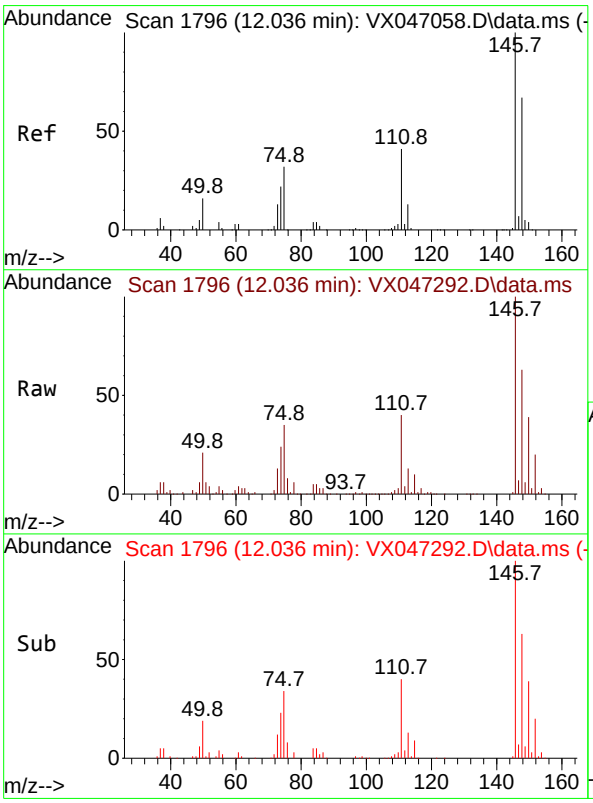
Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	64.1	32.0	96.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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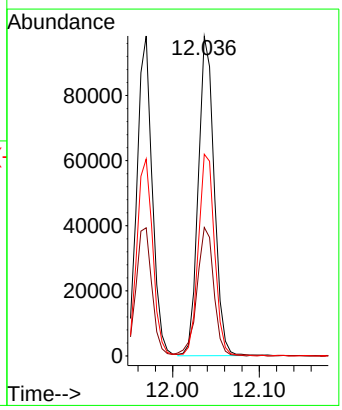
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

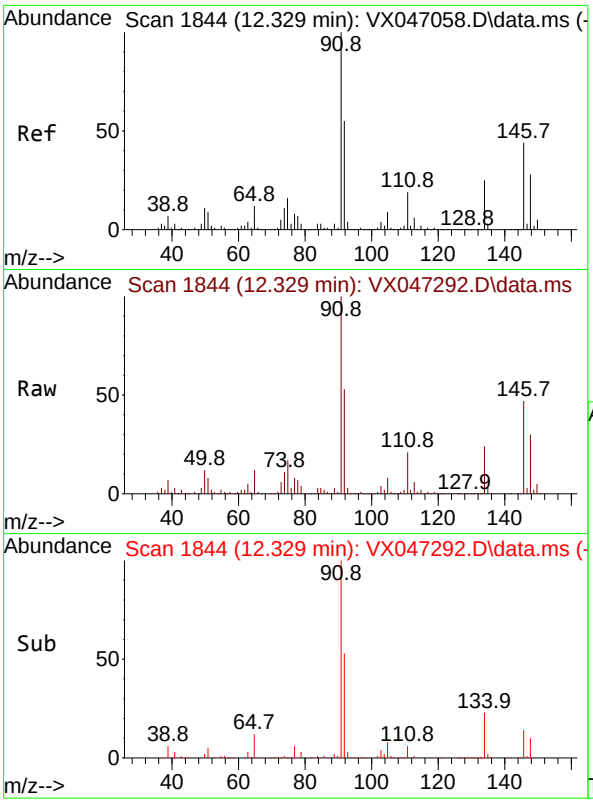


#88
1,4-Dichlorobenzene
Concen: 18.297 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:146 Resp: 125121

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.6	61.9
148	64.5	33.0	98.9





#89
n-Butylbenzene
Concen: 17.589 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

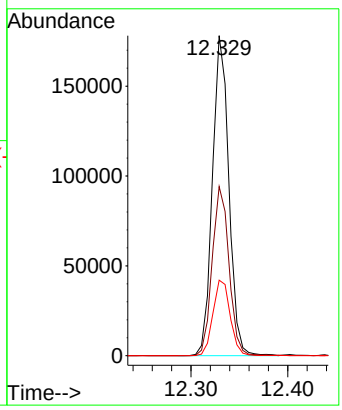
Tgt Ion: 91 Resp: 20989

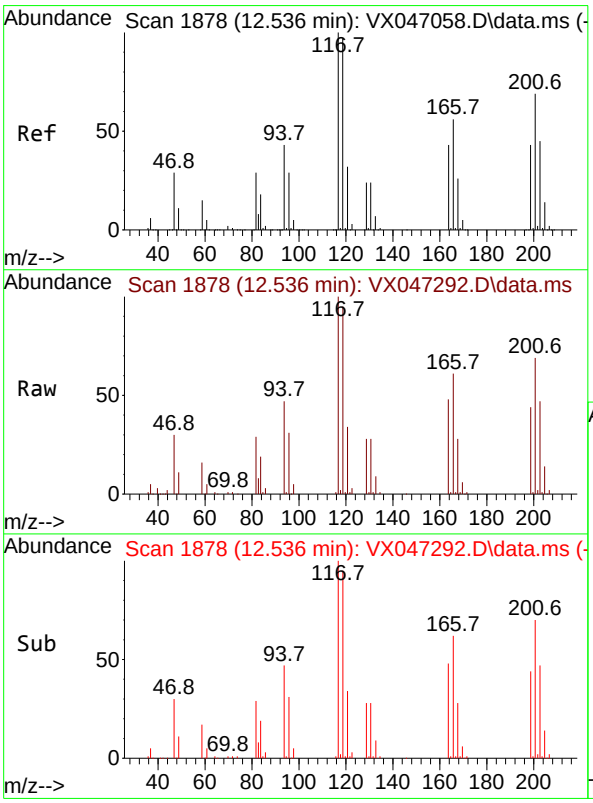
Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.5	82.5
134	24.9	12.8	38.3

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

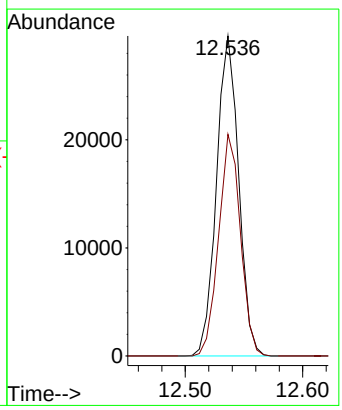


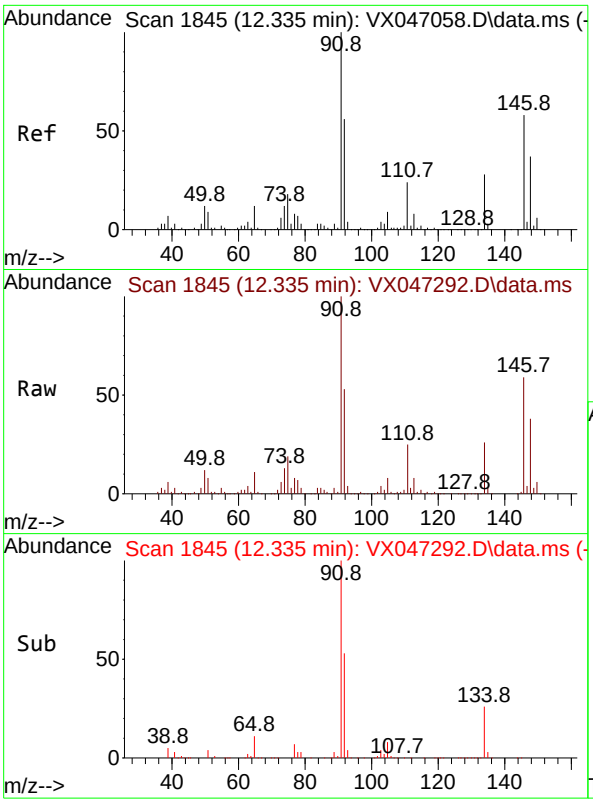


#90
Hexachloroethane
Concen: 17.058 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:117 Resp: 38830

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.8	104.5

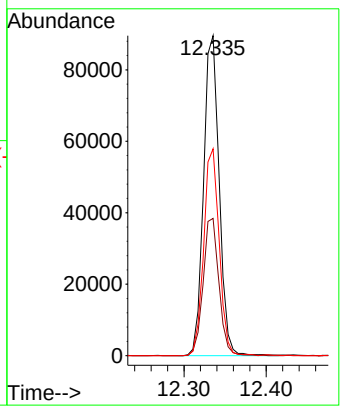




#91
1,2-Dichlorobenzene
Concen: 18.287 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:146 Resp: 11796

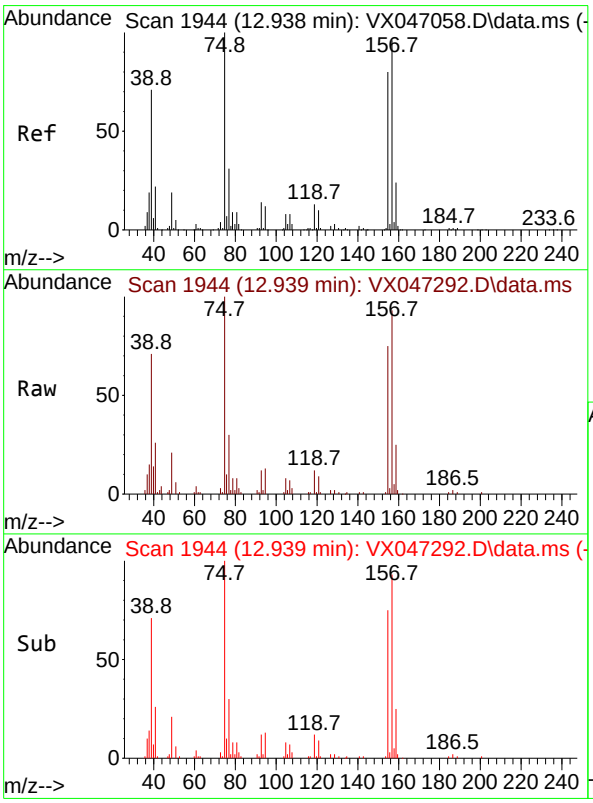
Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	64.2	31.9	95.7



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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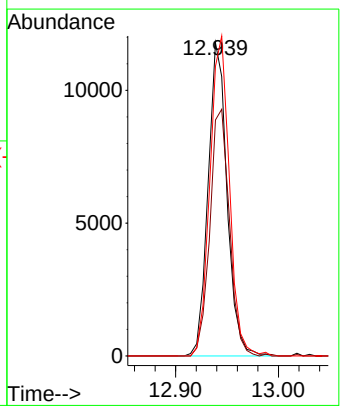
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

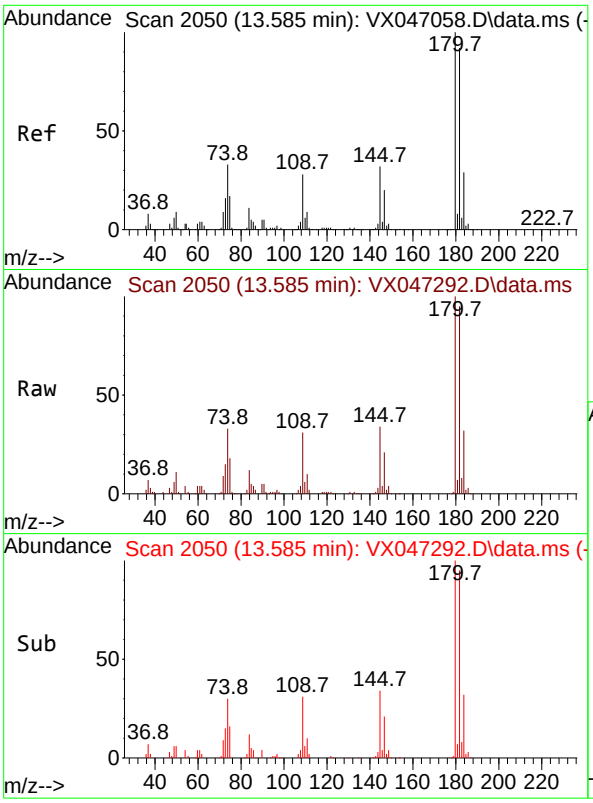


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.596 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 75 Resp: 15101

Ion	Ratio	Lower	Upper
75	100		
155	81.0	41.3	124.1
157	104.9	52.8	158.3

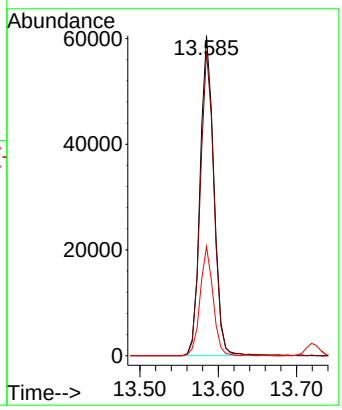




#93
1,2,4-Trichlorobenzene
Concen: 17.256 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:180 Resp: 7354

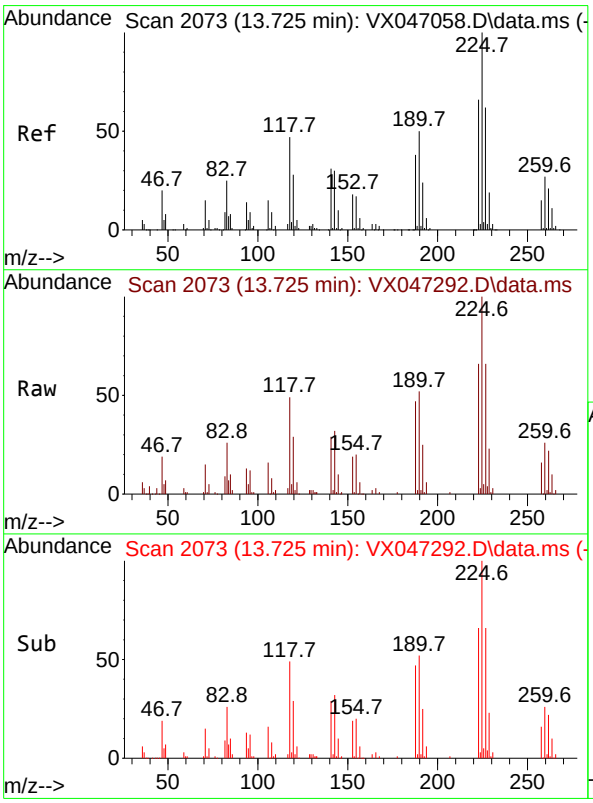
Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	32.1	16.4	49.1



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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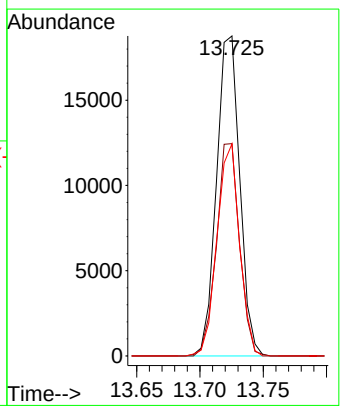
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025

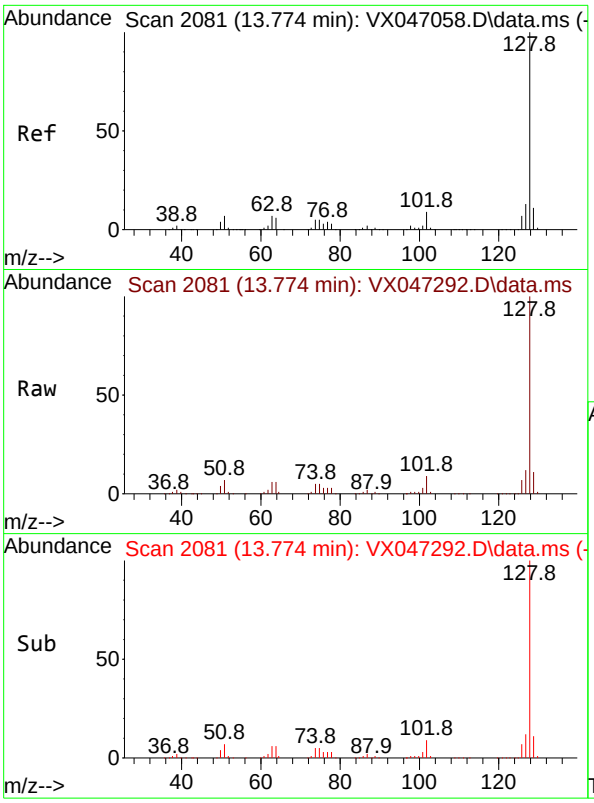


#94
Hexachlorobutadiene
Concen: 16.491 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:225 Resp: 23903

Ion	Ratio	Lower	Upper
225	100		
223	65.9	31.6	95.0
227	64.2	32.9	98.6

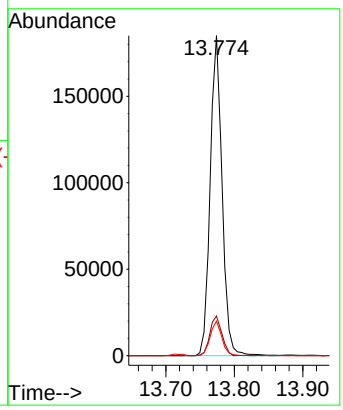




#95
Naphthalene
Concen: 17.877 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:128 Resp: 22336

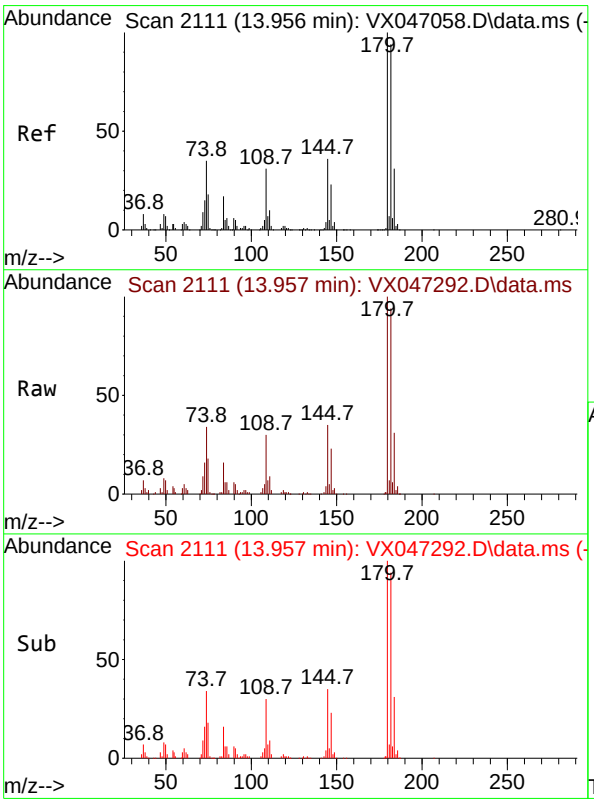
Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.7	8.6	13.0



Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Manual Integrations
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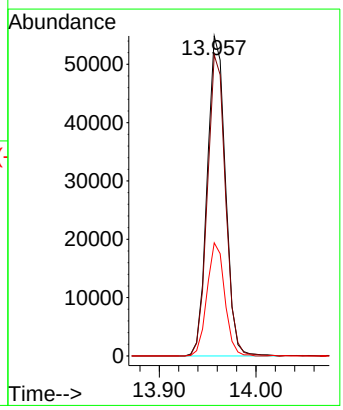
Reviewed By :John Carlone 08/13/2025
Supervised By :Mahesh Dadoda 08/14/2025



#96
1,2,3-Trichlorobenzene
Concen: 17.475 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:180 Resp: 71752

Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	34.4	17.3	52.0



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

Manual Integration Report

Sequence:	VX072125	Instrument	MSVOA_x

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

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Manual Integration Report

Sequence:	VX072125	Instrument	MSVOA_x

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

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Manual Integration Report

Sequence:	vx081225	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047284.D	1,2,3-Trichloropropane	JOHN	8/13/2025 8:47:43 AM	MMDadoda	8/14/2025 7:35:21 PM	Peak Integrated by Software
VX0812WBS01	VX047288.D	1,2,3-Trichloropropane	JOHN	8/13/2025 8:47:48 AM	MMDadoda	8/14/2025 7:35:25 PM	Peak Integrated by Software
VX0812WBSD01	VX047292.D	1,2,3-Trichloropropane	JOHN	8/13/2025 8:47:52 AM	MMDadoda	8/14/2025 7:35:27 PM	Peak Integrated by Software
Q2814-08	VX047298.D	Acetone	JOHN	8/13/2025 8:48:04 AM	MMDadoda	8/14/2025 7:35:29 PM	Peak Integrated by Software
VSTDCCC050	VX047307.D	1,2,3-Trichloropropane	JOHN	8/13/2025 8:48:08 AM	MMDadoda	8/14/2025 7:35:30 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vx081325	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047309.D	1,2,3-Trichloropropane	JOHN	8/14/2025 8:47:55 AM	MMDadoda	8/18/2025 8:55:27 AM	Peak Integrated by Software
VX0813WBS01	VX047312.D	1,2,3-Trichloropropane	JOHN	8/14/2025 8:48:00 AM	MMDadoda	8/18/2025 8:55:29 AM	Peak Integrated by Software
VSTDCCC050	VX047334.D	1,2,3-Trichloropropane	JOHN	8/14/2025 8:48:30 AM	MMDadoda	8/18/2025 8:55:32 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX081425	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047336.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:12:17 AM	MMDadoda	8/19/2025 1:42:50 AM	Peak Integrated by Software
VX0814WBS02	VX047342.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:12:26 AM	MMDadoda	8/19/2025 1:42:59 AM	Peak Integrated by Software
VSTDCCC050	VX047346.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:12:39 AM	MMDadoda	8/19/2025 1:43:03 AM	Peak Integrated by Software

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072125

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

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

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

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081225

Review By	John Carlone	Review On	8/13/2025 8:53:36 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/14/2025 7:35:40 PM		
SubDirectory	VX081225	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135091
Initial Calibration Stds	
CCC	VP135092,VP135093
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047283.D	12 Aug 2025 07:51	JC/MD	Ok
2	VSTDCCC050	VX047284.D	12 Aug 2025 09:53	JC/MD	Ok,M
3	VX0812MBL01	VX047285.D	12 Aug 2025 10:29	JC/MD	Ok
4	VX0812WBL01	VX047286.D	12 Aug 2025 10:50	JC/MD	Not Ok
5	VX0812WBL02	VX047287.D	12 Aug 2025 11:17	JC/MD	Ok
6	VX0812WBS01	VX047288.D	12 Aug 2025 11:52	JC/MD	Ok,M
7	Q2812-04	VX047289.D	12 Aug 2025 12:22	JC/MD	Ok
8	Q2814-01	VX047290.D	12 Aug 2025 12:43	JC/MD	Ok
9	Q2814-02	VX047291.D	12 Aug 2025 13:05	JC/MD	Ok
10	VX0812WBSD01	VX047292.D	12 Aug 2025 13:26	JC/MD	Ok,M
11	Q2814-03	VX047293.D	12 Aug 2025 13:51	JC/MD	Ok
12	Q2814-04	VX047294.D	12 Aug 2025 14:13	JC/MD	Ok
13	Q2814-05	VX047295.D	12 Aug 2025 14:34	JC/MD	Ok
14	Q2814-06	VX047296.D	12 Aug 2025 14:56	JC/MD	ReRun
15	Q2814-07	VX047297.D	12 Aug 2025 15:18	JC/MD	ReRun
16	Q2814-08	VX047298.D	12 Aug 2025 15:39	JC/MD	Ok,M
17	Q2814-09	VX047299.D	12 Aug 2025 16:01	JC/MD	Ok
18	Q2814-10	VX047300.D	12 Aug 2025 16:23	JC/MD	Ok
19	Q2814-11	VX047301.D	12 Aug 2025 16:44	JC/MD	Ok
20	Q2814-12	VX047302.D	12 Aug 2025 17:06	JC/MD	ReRun
21	Q2814-13	VX047303.D	12 Aug 2025 17:28	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081225

Review By	John Carlone	Review On	8/13/2025 8:53:36 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/14/2025 7:35:40 PM		
SubDirectory	VX081225	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135091
Initial Calibration Stds	
CCC	VP135092,VP135093
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2814-14	VX047304.D	12 Aug 2025 17:49	JC/MD	Ok
23	Q2814-15	VX047305.D	12 Aug 2025 18:11	JC/MD	Ok
24	Q2814-16	VX047306.D	12 Aug 2025 18:32	JC/MD	ReRun
25	VSTDCCC050	VX047307.D	12 Aug 2025 18:54	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081325

Review By	John Carlone	Review On	8/14/2025 8:55:29 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:41 AM		
SubDirectory	VX081325	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135105
Initial Calibration Stds	
CCC	VP135106,VP135107
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047308.D	13 Aug 2025 08:30	JC/MD	Ok
2	VSTDCCC050	VX047309.D	13 Aug 2025 09:44	JC/MD	Ok,M
3	VX0813MBL01	VX047310.D	13 Aug 2025 10:12	JC/MD	Ok
4	VX0813WBL01	VX047311.D	13 Aug 2025 11:02	JC/MD	Ok
5	VX0813WBS01	VX047312.D	13 Aug 2025 11:24	JC/MD	Ok,M
6	VX0813WBSD01	VX047313.D	13 Aug 2025 11:52	JC/MD	Ok,M
7	Q2814-12RE	VX047314.D	13 Aug 2025 12:13	JC/MD	Confirms
8	Q2814-16	VX047315.D	13 Aug 2025 12:35	JC/MD	Ok
9	Q2814-21	VX047316.D	13 Aug 2025 12:57	JC/MD	ReRun
10	Q2814-06RE	VX047317.D	13 Aug 2025 13:18	JC/MD	Confirms
11	Q2814-07RE	VX047318.D	13 Aug 2025 13:40	JC/MD	Confirms
12	Q2814-17	VX047319.D	13 Aug 2025 14:02	JC/MD	ReRun
13	Q2814-18	VX047320.D	13 Aug 2025 14:24	JC/MD	ReRun
14	Q2814-19	VX047321.D	13 Aug 2025 14:45	JC/MD	ReRun
15	Q2814-20	VX047322.D	13 Aug 2025 15:07	JC/MD	Ok
16	Q2837-01	VX047323.D	13 Aug 2025 15:29	JC/MD	ReRun
17	Q2815-01	VX047324.D	13 Aug 2025 15:51	JC/MD	ReRun
18	Q2815-02	VX047325.D	13 Aug 2025 16:13	JC/MD	ReRun
19	Q2815-03	VX047326.D	13 Aug 2025 16:35	JC/MD	ReRun
20	Q2815-04	VX047327.D	13 Aug 2025 16:57	JC/MD	ReRun
21	Q2815-05	VX047328.D	13 Aug 2025 17:19	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081325

Review By	John Carlone	Review On	8/14/2025 8:55:29 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:41 AM		
SubDirectory	VX081325	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135105
Initial Calibration Stds	
CCC	VP135106,VP135107
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2815-06	VX047329.D	13 Aug 2025 17:40	JC/MD	ReRun
23	Q2815-07	VX047330.D	13 Aug 2025 18:02	JC/MD	Ok
24	Q2815-08	VX047331.D	13 Aug 2025 18:24	JC/MD	ReRun
25	Q2815-09	VX047332.D	13 Aug 2025 18:45	JC/MD	ReRun
26	Q2815-10	VX047333.D	13 Aug 2025 19:07	JC/MD	ReRun
27	VSTDCCC050	VX047334.D	13 Aug 2025 19:50	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081425

Review By	John Carlone	Review On	8/18/2025 8:14:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:43:32 AM		
SubDirectory	VX081425	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135142
Initial Calibration Stds	
CCC	VP135143,VP134144
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047335.D	14 Aug 2025 08:54	JC/MD	Ok
2	VSTDCCC050	VX047336.D	14 Aug 2025 10:37	JC/MD	Ok,M
3	VX0814MBL01	VX047337.D	14 Aug 2025 11:05	JC/MD	Ok
4	VX0814WBL01	VX047338.D	14 Aug 2025 11:54	JC/MD	Ok
5	Q2814-21	VX047339.D	14 Aug 2025 12:47	JC/MD	Ok
6	VX0814WBS01	VX047340.D	14 Aug 2025 13:36	JC/MD	Not Ok
7	Q2814-17	VX047341.D	14 Aug 2025 13:58	JC/MD	Ok
8	VX0814WBS02	VX047342.D	14 Aug 2025 16:15	JC/MD	Ok,M
9	VX0814WBSD02	VX047343.D	14 Aug 2025 16:43	JC/MD	Ok,M
10	Q2814-18RE	VX047344.D	14 Aug 2025 17:05	JC/MD	Confirms
11	Q2814-19RE	VX047345.D	14 Aug 2025 17:26	JC/MD	Confirms
12	VSTDCCC050	VX047346.D	14 Aug 2025 17:48	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX072125

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

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

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

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081225

Review By	John Carlone	Review On	8/13/2025 8:53:36 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/14/2025 7:35:40 PM		
SubDirectory	VX081225	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135091
Initial Calibration Stds	
CCC	VP135092,VP135093
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	VX047283.D	12 Aug 2025 07:51		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047284.D	12 Aug 2025 09:53	pH#Lot#V12668	JC/MD	Ok,M
3	VX0812MBL01	VX0812MBL01	VX047285.D	12 Aug 2025 10:29		JC/MD	Ok
4	VX0812WBL01	VX0812WBL01	VX047286.D	12 Aug 2025 10:50		JC/MD	Not Ok
5	VX0812WBL02	VX0812WBL02	VX047287.D	12 Aug 2025 11:17		JC/MD	Ok
6	VX0812WBS01	VX0812WBS01	VX047288.D	12 Aug 2025 11:52		JC/MD	Ok,M
7	Q2812-04	STORAGE-BLANK-SAI	VX047289.D	12 Aug 2025 12:22	vial B pH<2	JC/MD	Ok
8	Q2814-01	TW-84SB-E	VX047290.D	12 Aug 2025 12:43	vial A pH<2	JC/MD	Ok
9	Q2814-02	TW-17M-N	VX047291.D	12 Aug 2025 13:05	vial A pH<2	JC/MD	Ok
10	VX0812WBSD01	VX0812WBSD01	VX047292.D	12 Aug 2025 13:26		JC/MD	Ok,M
11	Q2814-03	TW-17M-W	VX047293.D	12 Aug 2025 13:51	vial A pH<2	JC/MD	Ok
12	Q2814-04	TW-82H-N	VX047294.D	12 Aug 2025 14:13	vial A pH<2	JC/MD	Ok
13	Q2814-05	TW-82H-E	VX047295.D	12 Aug 2025 14:34	vial A pH<2	JC/MD	Ok
14	Q2814-06	TW-82H-S	VX047296.D	12 Aug 2025 14:56	vial A pH<2 Surrogate Fail	JC/MD	ReRun
15	Q2814-07	TW-82H-W	VX047297.D	12 Aug 2025 15:18	vial A pH<2 Surrogate Fail	JC/MD	ReRun
16	Q2814-08	TW-38M-E	VX047298.D	12 Aug 2025 15:39	vial A pH<2	JC/MD	Ok,M
17	Q2814-09	TW-38M-W	VX047299.D	12 Aug 2025 16:01	vial A pH<2	JC/MD	Ok
18	Q2814-10	TW-38M-N	VX047300.D	12 Aug 2025 16:23	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081225

Review By	John Carlone	Review On	8/13/2025 8:53:36 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/14/2025 7:35:40 PM		
SubDirectory	VX081225	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135091
Initial Calibration Stds	
CCC	VP135092,VP135093
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2814-11	TW-38M-S	VX047301.D	12 Aug 2025 16:44	vial A pH<2	JC/MD	Ok
20	Q2814-12	TW-BP-S	VX047302.D	12 Aug 2025 17:06	vial A pH<2 Surrogate Fail	JC/MD	ReRun
21	Q2814-13	TW-BP-N	VX047303.D	12 Aug 2025 17:28	vial A pH<2	JC/MD	Ok
22	Q2814-14	TW-BP-E	VX047304.D	12 Aug 2025 17:49	vial A pH<2	JC/MD	Ok
23	Q2814-15	TW-BP-W	VX047305.D	12 Aug 2025 18:11	vial A pH<2	JC/MD	Ok
24	Q2814-16	FB	VX047306.D	12 Aug 2025 18:32	vial A pH<2 FB;Hit of Com.#16	JC/MD	ReRun
25	VSTDCCC050	VSTDCCC050EC	VX047307.D	12 Aug 2025 18:54		JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081325

Review By	John Carlone	Review On	8/14/2025 8:55:29 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:41 AM		
SubDirectory	VX081325	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135105
Initial Calibration Stds	
CCC	VP135106,VP135107
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	VX047308.D	13 Aug 2025 08:30		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047309.D	13 Aug 2025 09:44	pH#Lot#V12668	JC/MD	Ok,M
3	VX0813MBL01	VX0813MBL01	VX047310.D	13 Aug 2025 10:12		JC/MD	Ok
4	VX0813WBL01	VX0813WBL01	VX047311.D	13 Aug 2025 11:02		JC/MD	Ok
5	VX0813WBS01	VX0813WBS01	VX047312.D	13 Aug 2025 11:24		JC/MD	Ok,M
6	VX0813WBSD01	VX0813WBSD01	VX047313.D	13 Aug 2025 11:52		JC/MD	Ok,M
7	Q2814-12RE	TW-BP-SRE	VX047314.D	13 Aug 2025 12:13	vial B pH<2 Surrogate Fail;	JC/MD	Confirms
8	Q2814-16	FB	VX047315.D	13 Aug 2025 12:35	vial B pH<2 FB	JC/MD	Ok
9	Q2814-21	TB	VX047316.D	13 Aug 2025 12:57	vial A pH<2 TB,Surrogate Fail	JC/MD	ReRun
10	Q2814-06RE	TW-82H-SRE	VX047317.D	13 Aug 2025 13:18	vial B pH<2 Surrogate Fail	JC/MD	Confirms
11	Q2814-07RE	TW-82H-WRE	VX047318.D	13 Aug 2025 13:40	vial B pH<2 Surrogate Fail	JC/MD	Confirms
12	Q2814-17	TW-518R-S	VX047319.D	13 Aug 2025 14:02	vial A pH<2 Surrogate Fail	JC/MD	ReRun
13	Q2814-18	TW-518R-N	VX047320.D	13 Aug 2025 14:24	vial A pH<2 Surrogate Fail	JC/MD	ReRun
14	Q2814-19	TW-518R-E	VX047321.D	13 Aug 2025 14:45	vial A pH<2 Surrogate Fail	JC/MD	ReRun
15	Q2814-20	TW-518R-W	VX047322.D	13 Aug 2025 15:07	vial A pH<2	JC/MD	Ok
16	Q2837-01	TW-WTS-13	VX047323.D	13 Aug 2025 15:29	vial A pH<2 Surrogate Fail	JC/MD	ReRun
17	Q2815-01	TW-705R-S	VX047324.D	13 Aug 2025 15:51	vial A pH<2 Surrogate Fail	JC/MD	ReRun
18	Q2815-02	TW-10PC-W	VX047325.D	13 Aug 2025 16:13	vial A pH<2 Surrogate Fail	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081325

Review By	John Carlone	Review On	8/14/2025 8:55:29 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/18/2025 8:55:41 AM		
SubDirectory	VX081325	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135105
Initial Calibration Stds	
CCC	VP135106,VP135107
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2815-03	TW-10P-E	VX047326.D	13 Aug 2025 16:35	vial A pH<2 Surrogate Fail	JC/MD	ReRun
20	Q2815-04	TW-10P-S	VX047327.D	13 Aug 2025 16:57	vial A pH<2 Surrogate Fail	JC/MD	ReRun
21	Q2815-05	TW-10P-W	VX047328.D	13 Aug 2025 17:19	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2815-06	TW-10P-N	VX047329.D	13 Aug 2025 17:40	vial A pH<2 Surrogate Fail	JC/MD	ReRun
23	Q2815-07	TW-88H-E	VX047330.D	13 Aug 2025 18:02	vial A pH<2	JC/MD	Ok
24	Q2815-08	TW-88H-N	VX047331.D	13 Aug 2025 18:24	vial A pH<2 Surrogate Fail	JC/MD	ReRun
25	Q2815-09	TW-88H-W	VX047332.D	13 Aug 2025 18:45	vial A pH<2 Surrogate Fail	JC/MD	ReRun
26	Q2815-10	TW-88H-S	VX047333.D	13 Aug 2025 19:07	vial A pH<2 Surrogate Fail	JC/MD	ReRun
27	VSTDCCC050	VSTDCCC050EC	VX047334.D	13 Aug 2025 19:50		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081425

Review By	John Carlone	Review On	8/18/2025 8:14:19 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:43:32 AM		
SubDirectory	VX081425	HP Acquire Method		HP Processing Method	82X072125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135142
Initial Calibration Stds	
CCC	VP135143,VP134144
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	VX047335.D	14 Aug 2025 08:54		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047336.D	14 Aug 2025 10:37	pH#Lot#V12668	JC/MD	Ok,M
3	VX0814MBL01	VX0814MBL01	VX047337.D	14 Aug 2025 11:05		JC/MD	Ok
4	VX0814WBL01	VX0814WBL01	VX047338.D	14 Aug 2025 11:54		JC/MD	Ok
5	Q2814-21	TB	VX047339.D	14 Aug 2025 12:47	vial B pH<2 TB	JC/MD	Ok
6	VX0814WBS01	VX0814WBS01	VX047340.D	14 Aug 2025 13:36	Surrogate Fail	JC/MD	Not Ok
7	Q2814-17	TW-518R-S	VX047341.D	14 Aug 2025 13:58	vial B pH<2	JC/MD	Ok
8	VX0814WBS02	VX0814WBS02	VX047342.D	14 Aug 2025 16:15		JC/MD	Ok,M
9	VX0814WBSD02	VX0814WBSD02	VX047343.D	14 Aug 2025 16:43		JC/MD	Ok,M
10	Q2814-18RE	TW-518R-NRE	VX047344.D	14 Aug 2025 17:05	vial B pH<2 Surrogate Fail	JC/MD	Confirms
11	Q2814-19RE	TW-518R-ERE	VX047345.D	14 Aug 2025 17:26	vial B pH<2 Surrogate Fail	JC/MD	Confirms
12	VSTDCCC050	VSTDCCC050EC	VX047346.D	14 Aug 2025 17:48		JC/MD	Ok,M

M : Manual Integration

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Prep Standard - Chemical Standard Summary

Order ID : Q2814

Test : VOC-TCLVOA-10

Prepbatch ID :

Sequence ID/Qc Batch ID: VX081225,vx081325,VX081425,

Standard ID :
VP132035,VP132036,VP132098,VP133175,VP133887,VP133888,VP133934,VP133991,VP133995,VP134142,VP134144,VP134149,VP134810,VP134933,VP134956,VP134957,VP135059,VP135091,VP135092,VP135093,VP135105,VP135106,VP135107,VP135129,VP135142,VP135143,

Chemical ID :
V13391,V13466,V13706,V14290,V14432,V14435,V14444,V14446,V14503,V14504,V14507,V14508,V14525,V14526,V14529,V14530,V14613,V14614,V14620,V14625,V14626,V14629,V14630,V14631,V14632,V14633,V14636,V14637,V14638,V14639,V14668,V14671,V14673,V14675,V14702,V14705,V14711,V14716,V14717,V14718,V14721,V14745,V14749,V14750,V14751,V14806,V14807,V14811,V14812,V14843,V14906,V14921,V14929,V14944,V14945,V14946,V14947,V15050,V15051,V15052,V15057,V15058,V15059,W3112,

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP132035	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 1.00000ml of V14630 + 1.00000ml of V14631 + 1.00000ml of V14632 + 1.00000ml of V14633 + 46.00000ml of V14614 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1811	8260 Working Std(2-CVE)-500ppm	VP132036	12/10/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/12/2024

FROM 7.50000ml of V14614 + 12.50000ml of VP132035 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
252	8260 Working STD (BCM)-First source, 100PPM	VP132098	12/12/2024	06/10/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 12/19/2024

FROM 1.25000ml of V13466 + 23.75000ml of V14614 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
249	8260 Surrogate, 100PPM	VP133175	02/27/2025	08/27/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 03/04/2025

FROM 0.10000ml of V13706 + 24.90000ml of V14613 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP133887	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14432 + 1.00000ml of V14435 + 1.00000ml of V14503 + 1.00000ml of V14504 + 1.00000ml of V14525 + 1.00000ml of V14526 + 1.00000ml of V14711 + 1.00000ml of V14717 + 1.00000ml of V14718 + 1.00000ml of V14721 + 1.00000ml of V14749 + 1.00000ml of V14750 + 1.00000ml of V14811 + 1.00000ml of V14812 + 10.60000ml of V14921 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
244	8260 Calibration Working STD Mix-First source, 100PPM	VP133888	05/12/2025	06/23/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/14/2025

FROM 5.62500ml of V14921 + 9.37500ml of VP133887 = Final Quantity: 15.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1917	8260 Internal standard 50 ppm	VP133934	05/16/2025	11/12/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/21/2025

FROM 0.10000ml of V14290 + 49.90000ml of V14921 = Final Quantity: 50.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP133991	05/22/2025	06/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/24/2025

FROM 1.00000ml of V14944 + 1.00000ml of V14945 + 1.00000ml of V14946 + 1.00000ml of V14947 + 21.00000ml of V14620 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
56	8260 Working STD (Acrolein) -first source, 500PPM	VP133995	05/22/2025	06/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 05/24/2025

FROM 5.62500ml of V14620 + 9.37500ml of VP133991 = Final Quantity: 15.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
719	8260 Working STD (BCM)-First source, 400PPM	VP134142	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14668 + 1.00000ml of V14671 + 1.00000ml of V14673 + 1.00000ml of V14675 + 16.00000ml of V14929 = Final Quantity: 20.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
773	50 PPB CCC, 8260-SOIL	VP134144	06/06/2025	06/07/2025	Amit Patel	None	None	Mahesh Dadoda 06/10/2025

FROM 4.98000ml of W3112 + 0.00250ml of VP132036 + 0.00250ml of VP132098 + 0.00250ml of VP133175 + 0.00250ml of VP133888 + 0.00250ml of VP133995 + 0.00500ml of VP133934 = Final Quantity: 5.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
1810	8260 Working Std(2-CVE)-800ppm	VP134149	06/06/2025	12/06/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 06/10/2025

FROM 1.00000ml of V14636 + 1.00000ml of V14637 + 1.00000ml of V14638 + 1.00000ml of V14639 + 46.00000ml of V14929 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP134810	07/18/2025	08/16/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 07/23/2025

FROM 1.00000ml of V15052 + 1.50000ml of V15050 + 1.50000ml of V15051 + 21.00000ml of V14629 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
617	8260 Surrogate, 400PPM	VP134933	07/29/2025	01/29/2026	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 0.40000ml of V14906 + 24.60000ml of V14625 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
247	8260 Internal Standard, 250PPM	VP134956	08/01/2025	11/09/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.25000ml of V14290 + 24.75000ml of V14626 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
218	BFB, 25PPM	VP134957	08/01/2025	11/22/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/06/2025

FROM 0.50000ml of V13391 + 49.50000ml of V14625 = Final Quantity: 50.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
257	8260 Calibration Working STD Mix-First source, 160PPM	VP135059	08/11/2025	09/19/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 0.40000ml of V14843 + 1.00000ml of V14444 + 1.00000ml of V14446 + 1.00000ml of V14507 + 1.00000ml of V14508 + 1.00000ml of V14529 + 1.00000ml of V14530 + 1.00000ml of V14705 + 1.00000ml of V14745 + 1.00000ml of V14751 + 1.00000ml of V14806 + 1.00000ml of V14807 + 1.50000ml of V14702 + 1.50000ml of V14716 + 10.60000ml of V14625 = Final Quantity: 25.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135091	08/12/2025	08/13/2025	John Carlone	None	None	Mahesh Dadoda 08/19/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135092	08/12/2025	08/13/2025	John Carlone	None	None	Mahesh Dadoda 08/19/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP134810 + 0.01250ml of VP135059 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135093	08/12/2025	08/13/2025	John Carlone	None	None	Mahesh Dadoda 08/19/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP134810 + 0.01250ml of VP135059 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135105	08/13/2025	08/14/2025	John Carlone	None	None	Mahesh Dadoda 08/19/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135106	08/13/2025	08/14/2025	John Carlone	None	None	Mahesh Dadoda 08/19/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP134810 + 0.01250ml of VP135059 = Final Quantity: 40.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135107	08/13/2025	08/14/2025	John Carlone	None	None	Mahesh Dadoda 08/19/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP134810 + 0.01250ml of VP135059 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
51	8260 Working STD (Acrolein) -first source, 800PPM	VP135129	08/14/2025	09/13/2025	Semsettin Yesilyurt	None	None	Mahesh Dadoda 08/19/2025

FROM 1.00000ml of V15059 + 1.50000ml of V15057 + 1.50000ml of V15058 + 21.00000ml of V14625 = Final Quantity: 25.000 ml

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VOC STANDARD PREPARATION LOG

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
589	BFB TUNE CHECK	VP135142	08/14/2025	08/15/2025	John Carlone	None	None	Mahesh Dadoda 08/19/2025

FROM 39.98400ml of W3112 + 0.01600ml of VP134957 = Final Quantity: 40.000 ml

Recipe ID	NAME	NO.	Prep Date	Expiration Date	Prepared By	ScaleID	PipetteID	Supervised By
620	50 PPB CCC, 8260-Water	VP135143	08/14/2025	08/15/2025	John Carlone	None	None	Mahesh Dadoda 08/19/2025

FROM 39.94450ml of W3112 + 0.00500ml of VP134142 + 0.00500ml of VP134933 + 0.00800ml of VP134956 + 0.01250ml of VP134149 + 0.01250ml of VP135059 + 0.01250ml of VP135129 = Final Quantity: 40.000 ml

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30067 / BFB tuneing solution	A0191805	11/22/2025	11/22/2024 / SAM	01/13/2023 / SAM	V13391

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0193071	06/12/2025	12/12/2024 / SAM	01/27/2023 / SAM	V13466

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0196865	02/27/2026	02/27/2025 / SAM	04/12/2023 / SAM	V13706

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555581 / Custom Standard, 8260 Internal Std [CS 5179-1]	A0210184	12/12/2025	12/12/2024 / SAM	04/15/2024 / SAM	V14290

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	05/12/2025 / SAM	08/15/2024 / SAM	V14432

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/20/2025	03/20/2025 / SAM	08/15/2024 / SAM	V14435

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	08/08/2025 / SAM	08/15/2024 / SAM	V14444

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30489 / VOA Mix, 8260B Acetates Mix, P&TM, 1mL	A0209618	09/30/2025	08/08/2025 / SAM	08/15/2024 / SAM	V14446

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14503

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	11/12/2025	05/12/2025 / SAM	09/17/2024 / SAM	V14504

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	02/08/2026	08/08/2025 / SAM	09/17/2024 / SAM	V14507

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95317 / Universal VOA Mega Mix (Min order = 5)	021624	02/08/2026	08/08/2025 / SAM	09/17/2024 / SAM	V14508

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14525

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	11/12/2025	05/12/2025 / SAM	09/18/2024 / SAM	V14526

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	02/08/2026	08/08/2025 / SAM	09/18/2024 / SAM	V14529

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	95319 / Revised Additions Mix (Min = 5)	091724	02/08/2026	08/08/2025 / SAM	09/18/2024 / SAM	V14530

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	08/27/2025	02/27/2025 / SAM	11/26/2024 / SAM	V14613

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	06/10/2025	12/10/2024 / SAM	11/26/2024 / SAM	V14614

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	22L0562016	10/25/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14620

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/29/2026	07/29/2025 / SAM	11/26/2024 / SAM	V14625

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	11/09/2025	05/09/2025 / SAM	11/26/2024 / SAM	V14626

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	23I0762004	01/09/2026	07/07/2025 / SAM	11/26/2024 / SAM	V14629

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14630

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14631

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14632

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	06/10/2025	12/10/2024 / SAM	12/06/2024 / SAM	V14633

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14636

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14637

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14638

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	/ 2-Chloroethyl vinyl ether	120524	12/06/2025	06/06/2025 / SAM	12/06/2024 / SAM	V14639

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14668

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14671

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14673

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30225 / VOA Mix, bromochloromethane, 2000ug/mL, P&TM, 1mL/ampul	A0214960	12/06/2025	06/06/2025 / SAM	12/09/2024 / SAM	V14675

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14702

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14705

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14711

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14716

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14717

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14718

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30006 / VOA Mix, CLP method Calibration Std #1 ketones 5000uq/ml, PTM, 1ml	A02110618	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14721

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14745

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	11/13/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14749

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	11/12/2025	05/12/2025 / SAM	12/17/2024 / SAM	V14750

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30042 / VOA Mix,500 series method 502.2 Calibration Std #1 gases, 2000uq/ml, PTM, 1ml	A0216826	02/08/2026	08/08/2025 / SAM	12/17/2024 / SAM	V14751

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	02/08/2026	08/08/2025 / SAM	01/08/2025 / SAM	V14806

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	02/08/2026	08/08/2025 / SAM	01/08/2025 / SAM	V14807

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	11/12/2025	05/12/2025 / SAM	01/08/2025 / SAM	V14811

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CHEMICAL RECEIPT LOG BOOK

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555408 / Custom Standard, Vinyl Acetate Standard w/ Grav [CS 5066-6] TWO SEPARATE LOTS	A0220471	06/30/2026	05/12/2025 / SAM	01/08/2025 / SAM	V14812

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	30470 / VOA Stock Solution, tert-butanol std, 1mL, P&TM	A0217535	11/12/2025	05/12/2025 / SAM	01/21/2025 / SAM	V14843

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Restek	555582 / Custom Mixture, 8260 A/B Surrogate Mix [CS 5179-2]	A0223904	07/29/2026	07/29/2025 / SAM	03/24/2025 / SAM	V14906

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	11/12/2025	05/12/2025 / SAM	05/09/2025 / SAM	V14921

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	BA9077-02 / Methanol, Purge/Trap (cs=6x1L)	24G0262002	12/06/2025	06/06/2025 / SAM	05/09/2025 / SAM	V14929

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14944

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14945

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14946

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	051925	06/19/2025	05/22/2025 / SAM	05/21/2025 / SAM	V14947

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	071625	08/16/2025	07/17/2025 / SAM	07/17/2025 / SAM	V15050

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	071625	08/16/2025	07/17/2025 / SAM	07/17/2025 / SAM	V15051

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	071625	08/16/2025	07/17/2025 / SAM	07/17/2025 / SAM	V15052

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Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081325	09/13/2025	08/14/2025 / SAM	08/14/2025 / SAM	V15057

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081325	09/13/2025	08/14/2025 / SAM	08/14/2025 / SAM	V15058

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Absolute Standards, Inc.	91980 / Acrolin Std (Min = 5)	081325	09/13/2025	08/14/2025 / SAM	08/14/2025 / SAM	V15059

Supplier	ItemCode / ItemName	Lot #	Expiration Date	Date Opened / Opened By	Received Date / Received By	Chemtech Lot #
Seidler Chemical	DIW / DI Water	Daily Lab-Certified	07/03/2029	07/03/2024 / Iwona	07/03/2024 / Iwona	W3112

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 2310762004
Manufactured Date: 2023-08-11
Expiration Date: 2026-08-10
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.5 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.01
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

Ken Koehnlein
Sr. Manager, Quality Assurance

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier
Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

12 Baxter

avantor™ | J.T.Baker®

Material No.: 9077-02
Batch No.: 22L0562016
Manufactured Date: 2022-10-26
Expiration Date: 2025-10-25
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.2 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.2
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

James Ethier

Jamie Ethier
Vice President Global Quality

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL):	100.0	0.021	Flask Uncertainty
		5E-05	Balance Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

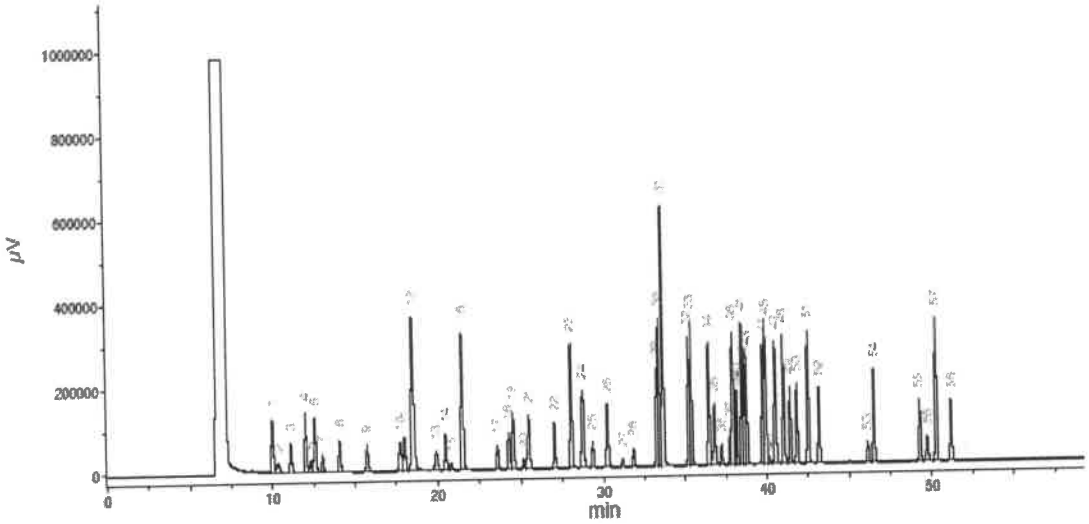
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR6561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	6.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.82
52	1,2-Dichlorobenzene	43.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.46
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

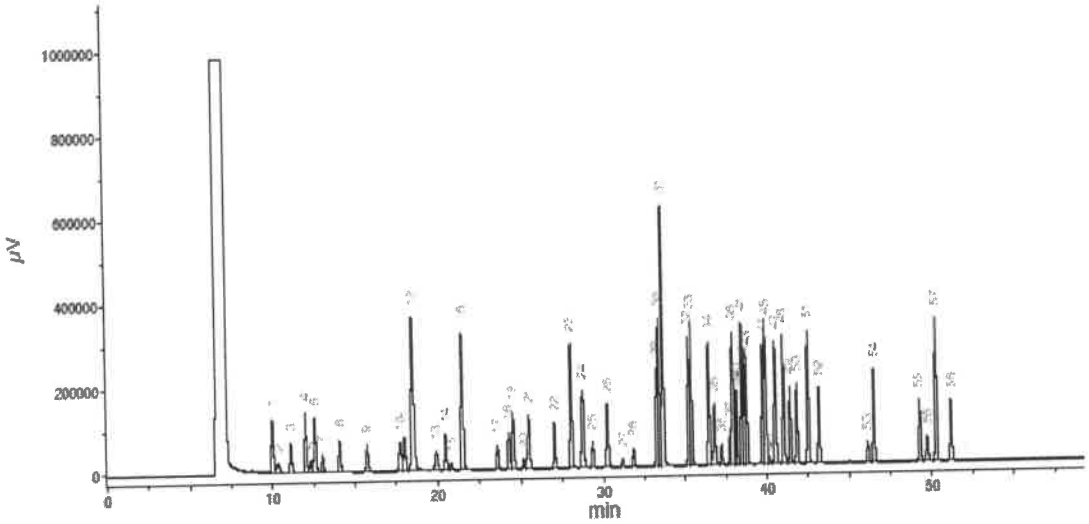
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.07
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.23
33	Styrene	35.30
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.02
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	49.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

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FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International	**1-352-323-3500**
		Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 09/17/24

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

Weight(s) shown below were combined and diluted to (mL):	100.0	0.021	Flask Uncertainty	5E-05 Balance Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

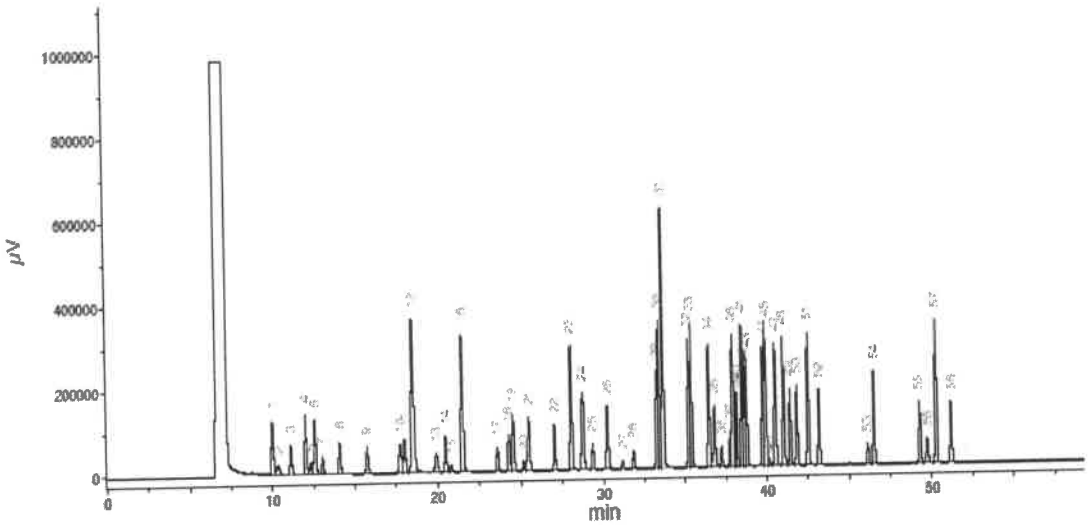
Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2. Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3. Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4. cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5. trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6. Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7. Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8. Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9. 2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10. Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11. Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12. Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13. Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14. 2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15. Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16. 1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17. Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18. Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19. cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20. trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21. Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22. 1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23. Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24. Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25. Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26. Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27. 1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28. 2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29. Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30. 1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31. 1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32. 1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33. 1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34. 1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35. 1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36. 1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37. cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38. trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39. Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40. 1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41. 1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42. 1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43. Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44. 1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45. Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46. Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47. n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48. Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49. p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50. Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51. Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52. Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53. 1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54. 1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55. 1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56. 1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57. m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58. tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59. sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60. Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61. 2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62. 4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63. 1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64. 1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65. 1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66. Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67. n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68. o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69. p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.33
33	Styrene	35.50
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.42
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.02
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	48.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

CERTIFIED WEIGHT REPORT

Part Number: 95317
Lot Number: 021624
Description: Universal VOA Megamix
69 components
Expiration Date: 021627
Recommended Storage: Freezer (0 °C)
Nominal Concentration (µg/mL): 2000
NIST Test ID#: 6UTB

Solvent(s): Lot#
Methanol EG359-USQ12

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 100.0 0.021 Flask Uncertainty

Formulated By: Prashant Chauhan 021624 DATE

Reviewed By: Pedro L. Rentas 021624 DATE

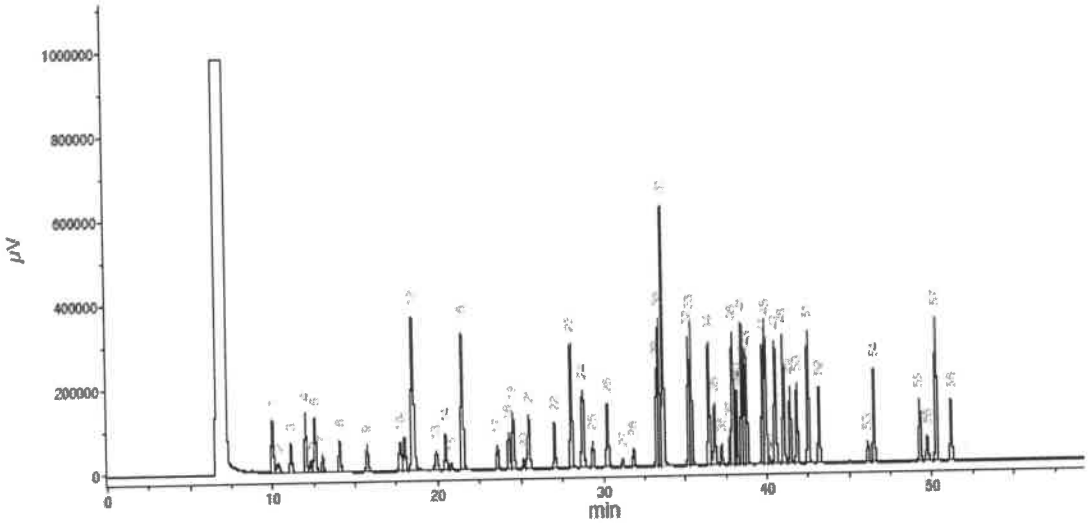
	Compound	(RM#) Part Number	Lot Number	Dil. Factor	Initial Vol. (mL)	Initial Conc.(ug/mL)	Nominal Conc (µg/mL)	Purity (%)	Purity Uncertainty	Uncertainty Pipette (mL)	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1.	Acetonitrile	(0324)	021644	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20020	2001.3	8.1	75-05-8	40 ppm (70mg/m3/8H)	orl-rat 2460mg/kg
2.	Allyl chloride (3-Chloropropene)	(0325)	102396	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	107-05-1	1 ppm (3mg/m3/8H)	orl-rat 700mg/kg
3.	Carbon disulphide	(0060)	MKCR8561	NA	NA	NA	2000	99.99	0.2	NA	0.20007	0.20023	2001.6	8.1	75-15-0	4 ppm (12mg/m3) (skin)	orl-rat 1200mg/kg
4.	cis-1,4-Dichloro-2-butene	(1196)	14718EF	NA	NA	NA	2000	95	0.2	NA	0.21058	0.21069	2001.1	8.5	1476-11-5	N/A	N/A
5.	trans-1,4-Dichloro-2-butene	(0466)	MKBP6041V	NA	NA	NA	2000	96.5	0.2	NA	0.20731	0.20748	2001.7	8.4	110-57-6	N/A	N/A
6.	Diethyl ether	(0153)	IK18CAS0000	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	60-29-7	N/A	N/A
7.	Ethyl methacrylate	(0381)	06128PX	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20230	2002.3	8.2	97-63-2	N/A	orl-rat 14800mg/kg
8.	Iodomethane	(0489)	SHBF8718V	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20121	2001.5	8.2	74-88-4	5 ppm(28mg/m3/8H)(skin)	orl-rat 76mg/kg
9.	2-Methyl-1-propanol	(0445)	15241EB	NA	NA	NA	2000	99.5	0.2	NA	0.20106	0.20120	2001.4	8.1	78-83-1	50 ppm (150mg/m3/8H)	orl-rat 2460mg/kg
10.	Methacrylonitrile	(0442)	00427ET	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20221	2001.4	8.2	126-98-7	1 ppm (3mg/m3/8H)(skin)	orl-rat 120mg/kg
11.	Methyl acrylate	(1075)	SHBK0679	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20040	2001.5	8.1	96-33-3	10 ppm(35mg/m3/8H)(skin)	orl-rat 277mg/kg
12.	Methyl methacrylate	(0404)	MKBW5137V	NA	NA	NA	2000	99.9	0.2	NA	0.20025	0.20041	2001.6	8.1	80-62-6	100 ppm (410mg/m3/8H)	orl-rat 7872mg/kg
13.	Nitrobenzene	(0228)	01213TV	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20220	2001.3	8.2	98-95-3	1 ppm (5mg/m3/8H)(skin)	orl-rat 780mg/kg
14.	2-Nitropropane	(0461)	14002JX	NA	NA	NA	2000	97.3	0.2	NA	0.20560	0.20577	2001.6	8.3	79-46-9	10 ppm (35mg/m3/8H)	orl-rat 720mg/kg
15.	Pentachloroethane	(0450)	HGA01	NA	NA	NA	2000	98	0.2	NA	0.20413	0.20430	2001.6	8.3	76-01-7	N/A	N/A
16.	1,1,2-Trichlorotrifluoroethane	(0474)	18930	NA	NA	NA	2000	99	0.2	NA	0.20207	0.20225	2001.8	8.2	76-13-1	1000 ppm (7600mg/m3/8H)	orl-rat 43g/kg
17.	Bromodichloromethane	35171	101623	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-27-4	N/A	orl-rat 916mg/kg
18.	Dibromochloromethane	35171	101623	0.05	5.00	40002.1	2000	NA	NA	0.017	NA	NA	1999.6	23.0	124-48-1	N/A	orl-rat 848mg/kg
19.	cis-1,2-Dichloroethene	35171	101623	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	156-59-2	N/A	N/A
20.	trans-1,2-Dichloroethene	35171	101623	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.6	23.0	156-60-5	N/A	orl-rat 1235mg/kg
21.	Methylene chloride	35171	101623	0.05	5.00	40002.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	75-09-2	500 ppm	orl-rat 820mg/kg
22.	1,1-Dichloroethene	32251	102023	0.10	10.00	20001.6	2000	NA	NA	0.042	NA	NA	1999.7	20.4	75-35-4	1 ppm (4mg/m3/8H)	orl-rat 200mg/kg
23.	Bromoform	95321	020724	0.10	10.00	20003.2	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-25-2	0.5 ppm (5mg/m3) (skin)	orl-rat 933mg/kg
24.	Carbon tetrachloride	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	56-23-5	2 ppm (12.6mg/m3/8H)	orl-rat 2350mg/kg
25.	Chloroform	95321	020724	0.10	10.00	20024.0	2000	NA	NA	0.042	NA	NA	2001.9	20.5	67-66-3	50 ppm (240mg/m3) (CL)	orl-rat 908mg/kg
26.	Dibromomethane	95321	020724	0.10	10.00	20002.9	2000	NA	NA	0.042	NA	NA	1999.8	20.5	74-95-3	N/A	orl-rat 108mg/kg
27.	1,1-Dichloroethane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.5	75-34-3	100 ppm	orl-rat 725mg/kg
28.	2,2-Dichloropropane	95321	020724	0.10	10.00	20003.4	2000	NA	NA	0.042	NA	NA	1999.8	20.4	594-20-7	N/A	N/A
29.	Tetrachloroethene	95321	020724	0.10	10.00	20201.1	2000	NA	NA	0.042	NA	NA	2019.6	20.8	127-18-4	25 ppm (170mg/m3/8H)(final)	orl-rat 2629mg/kg
30.	1,1,1-Trichloroethane	95321	020724	0.10	10.00	20003.0	2000	NA	NA	0.042	NA	NA	1999.8	20.5	71-55-6	350 ppm (1900mg/m3/8H)	orl-rat 10300mg/kg
31.	1,2-Dibromo-3-chloropropane	35161	112322	0.05	5.00	40016.5	2000	NA	NA	0.017	NA	NA	2000.3	22.9	96-12-8	0.001 ppm	orl-rat 170mg/kg
32.	1,2-Dibromoethane	35161	112322	0.05	5.00	40024.8	2000	NA	NA	0.017	NA	NA	2000.7	22.9	106-93-4	20 ppm (8H)	orl-rat 108mg/kg
33.	1,2-Dichloroethane	35161	112322	0.05	5.00	40018.0	2000	NA	NA	0.017	NA	NA	2000.4	22.9	107-06-2	50 ppm (8H)	orl-rat 670mg/kg
34.	1,2-Dichloropropane	35161	112322	0.05	5.00	40051.0	2000	NA	NA	0.017	NA	NA	2002.0	22.9	78-87-5	75 ppm (350mg/m3/8H)	orl-rat 1947mg/kg
35.	1,3-Dichloropropane	35161	112322	0.05	5.00	40005.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	142-28-9	N/A	unr-mus 3600mg/kg
36.	1,1-Dichloropropene	35161	112322	0.05	5.00	40012.1	2000	NA	NA	0.017	NA	NA	2000.1	29.7	563-58-6	N/A	N/A
37.	cis-1,3-Dichloropropene	35161	112322	0.05	5.00	40010.0	2000	NA	NA	0.017	NA	NA	2000.0	23.0	10061-01-5	N/A	N/A
38.	trans-1,3-Dichloropropene	35161	112322	0.05	5.00	40017.6	2000	NA	NA	0.017	NA	NA	2000.4	23.0	10061-02-6	N/A	N/A
39.	Hexachloro-1,3-butadiene	35161	112322	0.05	5.00	40021.9	2000	NA	NA	0.017	NA	NA	2000.6	29.7	87-68-3	0.02 ppm (0.24mg/m3/8H)	orl-rat 82mg/kg
40.	1,1,1,2-Tetrachloroethane	35161	112322	0.05	5.00	40011.9	2000	NA	NA	0.017	NA	NA	2000.1	22.9	630-20-6	N/A	orl-rat 670mg/kg
41.	1,1,2,2-Tetrachloroethane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	79-34-5	5 ppm (35mg/m3/8H)(skin)	orl-rat 800mg/kg
42.	1,1,2-Trichloroethane	35161	112322	0.05	5.00	40006.6	2000	NA	NA	0.017	NA	NA	1999.8	23.0	79-00-5	10 ppm (45mg/m3/8H)(skin)	orl-rat 836mg/kg
43.	Trichloroethene	35161	112322	0.05	5.00	40029.0	2000	NA	NA	0.017	NA	NA	2000.9	22.9	79-01-6	50 ppm (270mg/m3/8H)	orl-mus 2402mg/kg
44.	1,2,3-Trichloropropane	35161	112322	0.05	5.00	40007.5	2000	NA	NA	0.017	NA	NA	1999.9	22.9	96-18-4	10 ppm (60mg/m3/8H)	orl-rat 149.6mg/kg
45.	Benzene	35162	050823	0.05	5.00	40005.0	2000	NA	NA	0.017	NA	NA	1999.7	22.9	71-43-2	1 ppm	orl-rat 4894mg/kg
46.	Bromobenzene	35162	050823	0.05	5.00	40006.9	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-86-1	N/A	orl-rat 2699mg/kg
47.	n-Butyl benzene	35162	050823	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	104-51-8	N/A	N/A
48.	Ethyl benzene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-41-4	100 ppm (435mg/m3/8H)	orl-rat >2000mg/kg
49.	p-Isopropyl toluene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	99-87-6	N/A	orl-rat 4750mg/kg
50.	Naphthalene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	91-20-3	10 ppm (50mg/m3/8H)	orl-rat 490mg/kg
51.	Styrene	35162	050823	0.05	5.00	40004.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	100-42-5	100 ppm	orl-rat 5000mg/kg
52.	Toluene	35162	050823	0.05	5.00	40006.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-88-3	200 ppm	orl-rat 5000mg/kg
53.	1,2,3-Trichlorobenzene	35162	050823	0.05	5.00	40003.1	2000	NA	NA	0.017	NA	NA	1999.7	22.9	87-61-6	N/A	ipr-mus 1390mg/kg
54.	1,2,4-Trichlorobenzene	35162	050823	0.05	5.00	40006.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	120-82-1	5 ppm (CL) (40mg/m3)	orl-rat 756mg/kg
55.	1,2,4-Trimethylbenzene	35162	050823	0.05	5.00	40001.6	2000	NA	NA	0.017	NA	NA	1999.6	23.0	95-63-6	N/A	orl-rat 5g/kg
56.	1,3,5-Trimethylbenzene	35162	050823	0.05	5.00	40006.7	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-67-8	N/A	orl-rat 5000mg/kg
57.	m-Xylene	35162	050823	0.05	5.00	40005.8	2000	NA	NA	0.017	NA	NA	1999.8	22.9	108-38-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg
58.	tert-Butyl benzene	35163	101923	0.05	5.00	40001.2	2000	NA	NA	0.017	NA	NA	1999.8	22.9	98-06-6	N/A	N/A
59.	sec-Butyl benzene	35163	101923	0.05	5.00	40002.4	2000	NA	NA	0.017	NA	NA	1999.8	22.9	135-98-8	N/A	orl-rat 2240mg/kg
60.	Chlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	108-90-7	75 ppm (350mg/m3/8H)	orl-rat 2290mg/kg
61.	2-Chlorotoluene	35163	101923	0.05	5.00	40000.3	2000	NA	NA	0.017	NA	NA	1999.5	22.9	95-49-8	50 ppm (250mg/m3/8H)	orl-rat 3900mg/kg
62.	4-Chlorotoluene	35163	101923	0.05	5.00	40003.3	2000	NA	NA	0.017	NA	NA	1999.7	22.9	106-43-4	N/A	orl-rat 2100mg/kg
63.	1,2-Dichlorobenzene	35163	101923	0.05	5.00	40003.8	2000	NA	NA	0.017	NA	NA	1999.7	22.9	95-50-1	50 ppm (300mg/m3) (CL)	orl-rat 500mg/kg
64.	1,3-Dichlorobenzene	35163	101923	0.05	5.00	40001.7	2000	NA	NA	0.017	NA	NA	1999.6	23.0	541-73-1	N/A	ipr-mus 1062mg/kg
65.	1,4-Dichlorobenzene	35163	101923	0.05	5.00	40001.8	2000	NA	NA	0.017	NA	NA	1999.6	22.9	106-46-7	75 ppm (450mg/m3/8H)	orl-rat 500mg/kg
66.	Isopropylbenzene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	98-82-8	50 ppm (245mg/m3/8H)	orl-rat 1400mg/kg
67.	n-Propylbenzene	35163	101923	0.05	5.00	40003.4	2000	NA	NA	0.017	NA	NA	1999.7	23.0	103-65-1	N/A	orl-rat 8040mg/kg
68.	o-Xylene	35163	101923	0.05	5.00	40040.8	2000	NA	NA	0.017	NA	NA	2001.5	23.0	95-47-6	100 ppm (435mg/m3/8H)	ipr-mus 1364mg/kg
69.	p-Xylene	35163	101923	0.05	5.00	40000.8	2000	NA	NA	0.017	NA	NA	1999.5	22.9	106-42-3	100 ppm (435mg/m3/8H)	orl-rat 5g/kg

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- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Run 16, "P95317 L021624 (2000µg/mL in MeOH)"

Run Length: 60.00 min, 35998 points at 10 points/second.
Created: Sat, Feb 17, 2024 at 8:56:46 AM.
Sampled: Sequence "021624-GC5M1", Method "GC5-M1".
Analyzed using Method "GC5-M1".

Comments
GC5-M1 Analysis by Candice Warren
Column ID SPB-Vocol 105 meter X 0.53mm X 3.0µm film thickness
Flow rates: Total flow=290mL/min., Helium (carrier)=10mL/min.,
Helium(make-up)=10mL/min., Hydogen(make-up)=40mL/min., Air(make-up)=230mL/min.
Oven Profile: Temp. 1=35°C (Time 1=10 min.), Temp 2=200°C (Time 2=8.75 min.),
Rate = 4°C/min., Total run time=60 min. Injector temp.=200°C, FID Temp.=200°C.
FID Signal = Edaq Channel 1
Standard injection = 0.5µL, Range=3



Peak #	Name	FID RT (min.)
1	Ether	9.97
2	1,1,2-Trichloro-1,2,3-trifluoroethane	10.33
3	1,1-Dichloroethene	11.10
4	Acetonitrile	12.00
5	Iodomethane	12.31
6	Allyl chloride	12.56
7	Carbon disulfide/Methylene chloride	13.04
8	trans-1,2-Dichloroethene	14.07
9	1,1-Dichloroethane	15.74
10	2,2-Dichloropropane	17.74
11	cis-1,2-Dichloroethene	18.00
12	Methacrylonitrile/Methyl acrylate/Chloroform	18.49
13	Isobutanol/1,1,1-Trichloroethane	18.91
14	1,1-Dichloropropene	19.46
15	Carbon tetrachloride	20.79
16	Benzene/1,2-Dichloroethane	21.48
17	Trichloroethene	23.86
18	1,2-Dichloropropane	24.26
19	Methyl methacrylate	24.62
20	Bromodichloromethane	25.13
21	Dibromomethane/2-Nitropropane	25.46
22	cis-1,3-Dichloropropene	27.02
23	Toluene	28.09
24	Ethyl methacrylate/trans-1,3-Dichloropropene	28.73
25	1,1,2-Trichloroethane	29.34
26	Tetrachloroethene/1,3-Dichloropropane	30.34
27	Dibromochloromethane	31.16
28	1,2-Dibromoethane	31.84
29	Chlorobenzene	33.26
30	Ethylbenzene/1,1,1,2-Tetrachloroethane	33.40
31	m-Xylene/p-Xylene	33.85
32	o-Xylene	35.23
33	Styrene	35.30
34	Isopropylbenzene/Bromoform	35.48
35	cis-1,4-Dichloro-2-butene	36.80
36	1,1,2,2-Tetrachloroethane	37.23
37	1,2,3-Trichloropropane	37.77
38	n-Propylbenzene	37.92
39	trans-1,4-Dichloro-2-butene	38.05
40	Bromobenzene	38.14
41	1,3,5-Trimethylbenzene	38.50
42	2-Chlorotoluene	38.62
43	4-Chlorotoluene	38.77
44	tert-Butylbenzene	39.76
45	1,2,4-Trimethylbenzene	39.91
46	Pentachloroethane	40.17
47	sec-Butylbenzene	40.52
48	p-Isopropyltoluene	41.02
49	1,3-Dichlorobenzene	41.12
50	1,4-Dichlorobenzene	41.63
51	n-Butylbenzene	42.52
52	1,2-Dichlorobenzene	42.18
53	1,2-Dibromo-3-chloropropane	46.12
54	Nitrobenzene	46.58
55	1,2,4-Trichlorobenzene	48.26
56	Hexachlorobutadiene	49.72
57	Naphthalene	50.26
58	1,2,3-Trichlorobenzene	51.16

Absolute Standards Inc.

PO Box 5585
Hamden, CT 06518-0585

Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr.	Emergency Telephone International	**1-352-323-3500**
	Hamden CT, 06514	Date Prepared/Revised	January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	% (optional) > 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist.
Storage Conditions	Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge. Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability Stable under recommended storage conditions.
Possibility of hazardous reactions Vapours may form explosive mixture with air.
Conditions to avoid Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 09/16/24 2 Vials

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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

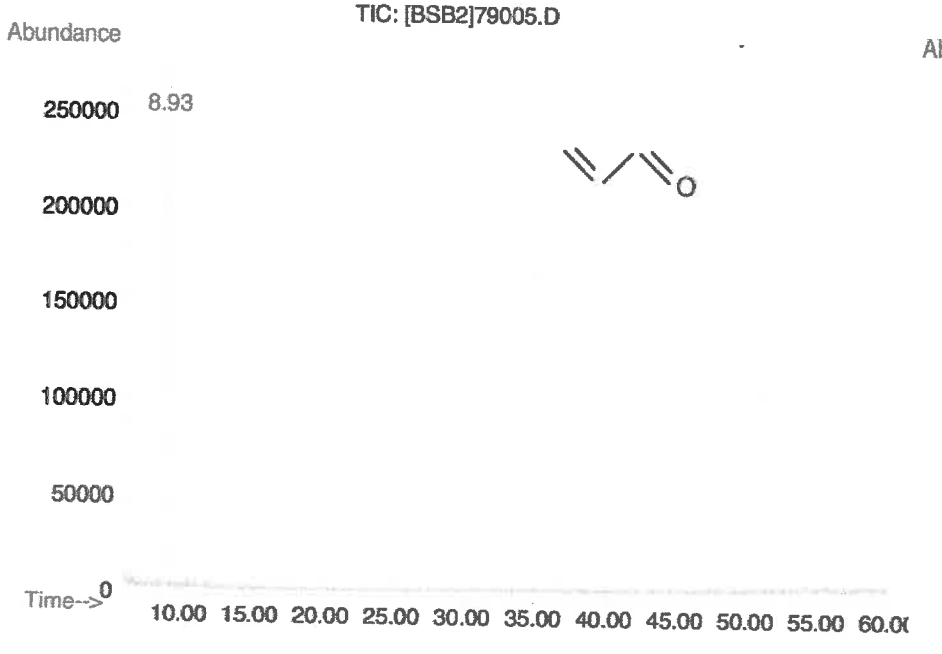
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

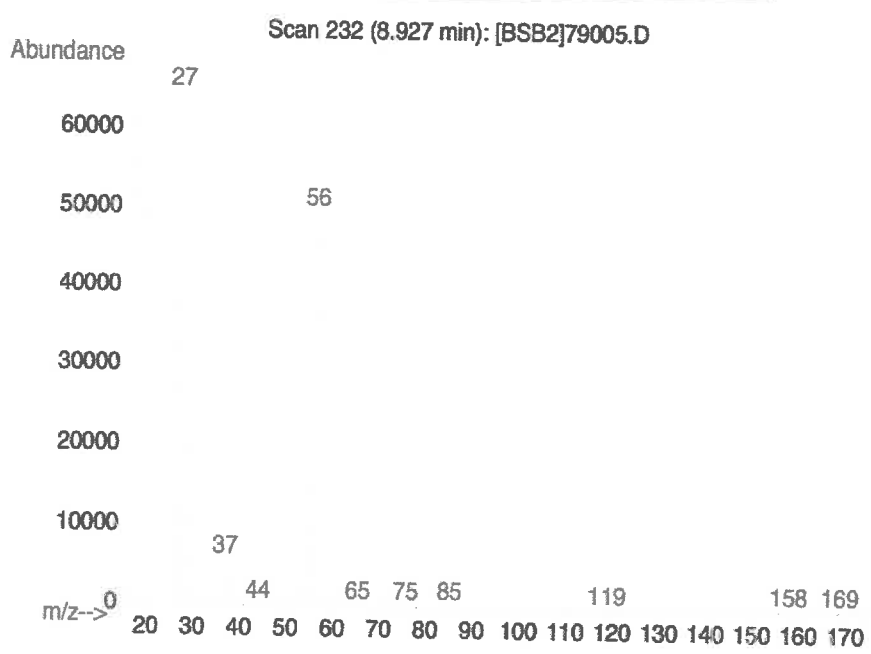
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

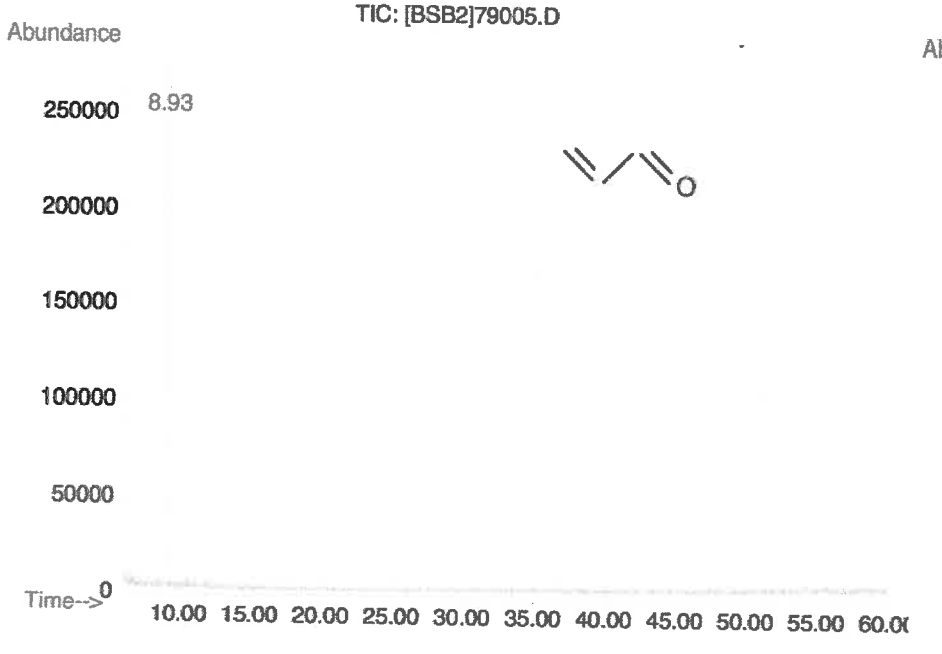
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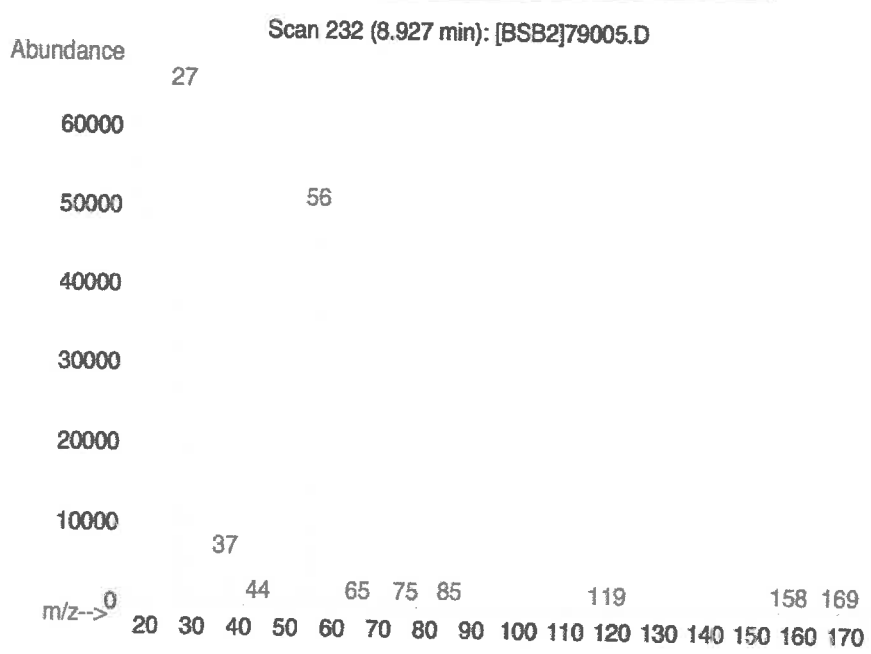
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Solvent(s): Water **Lot#** 072324Q

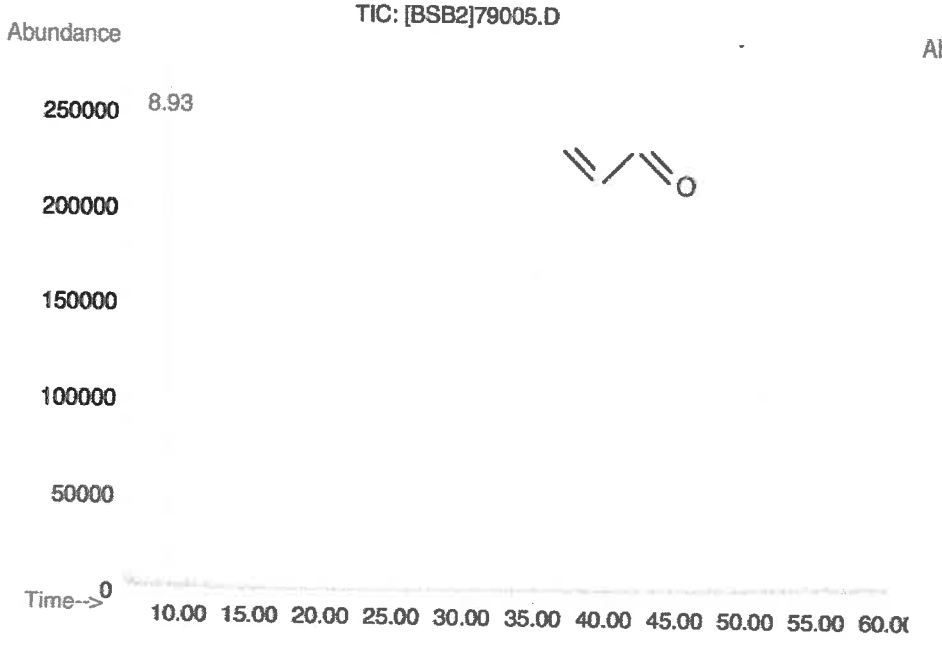
Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

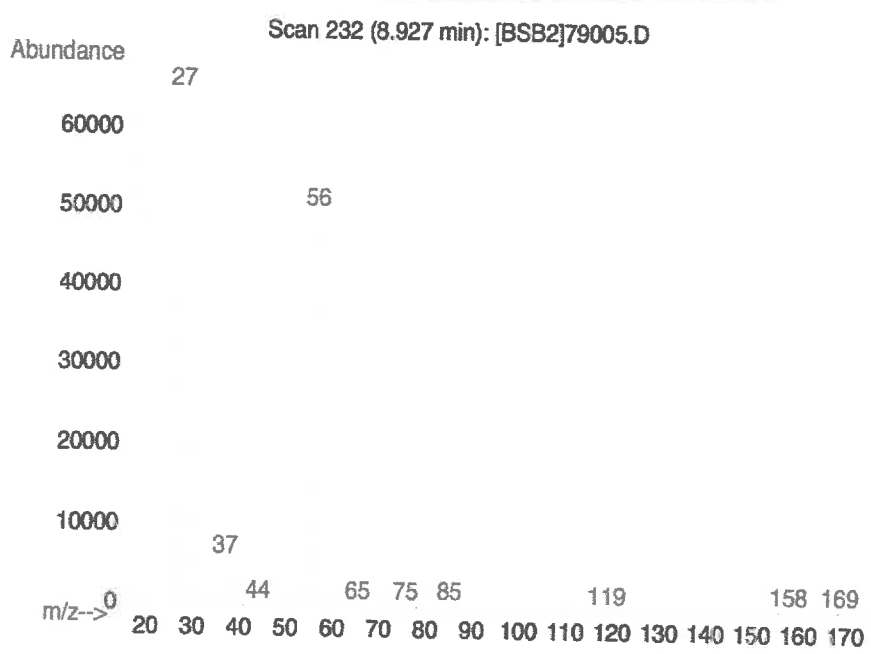
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

Justin Dippold	091424
Formulated By: Justin Dippold	DATE
Pedro Rentas	091424
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 091424
Description: Acrolein

Expiration Date: 101424
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 072324Q

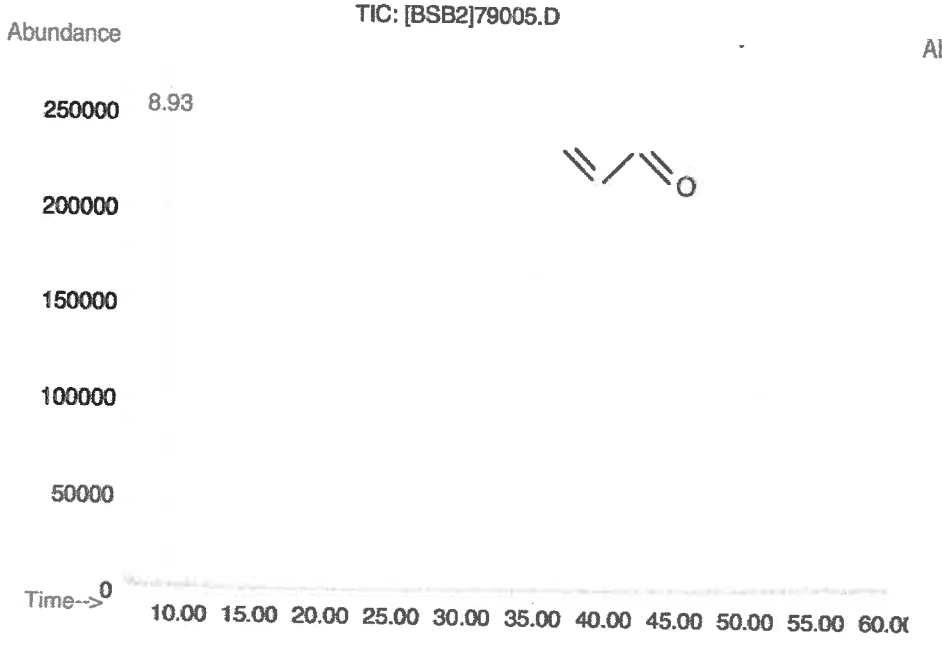
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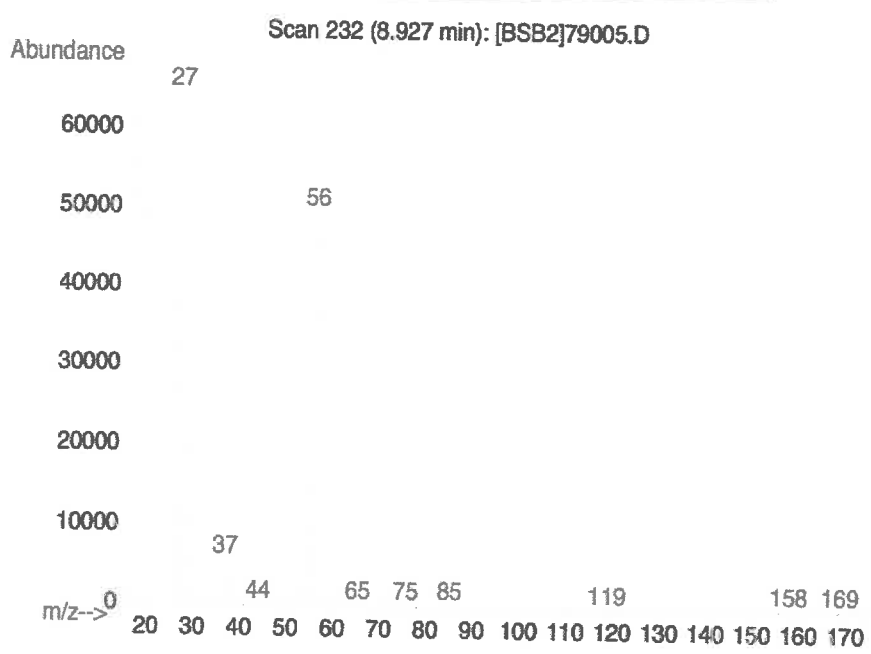
Justin Dippold 091424
Formulated By: Justin Dippold DATE

Pedro Rentas 091424
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05175	5008.9	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.), Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

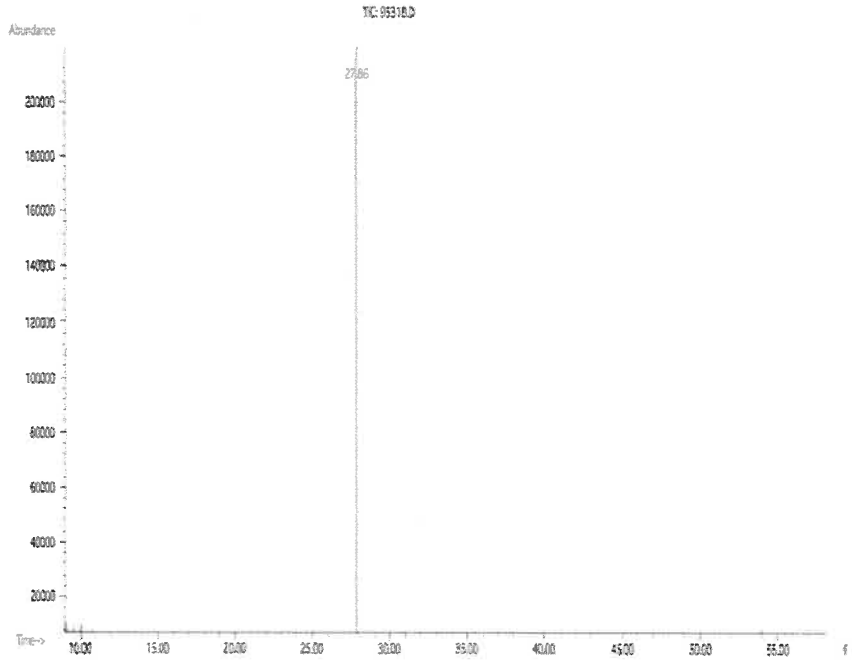
Solvent(s): Methanol **Lot#** EJ143-US

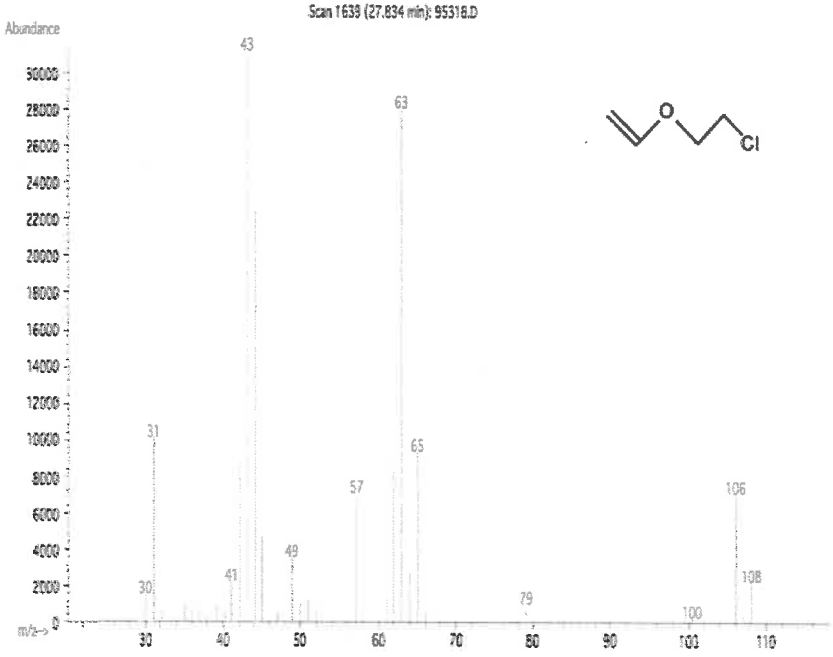
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
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Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

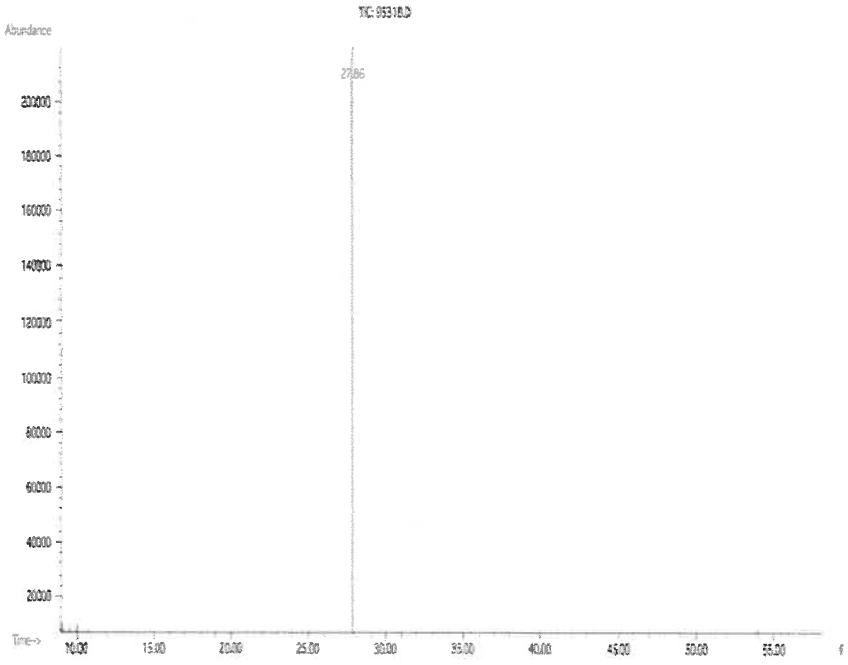
Solvent(s): Methanol **Lot#** EJ143-US

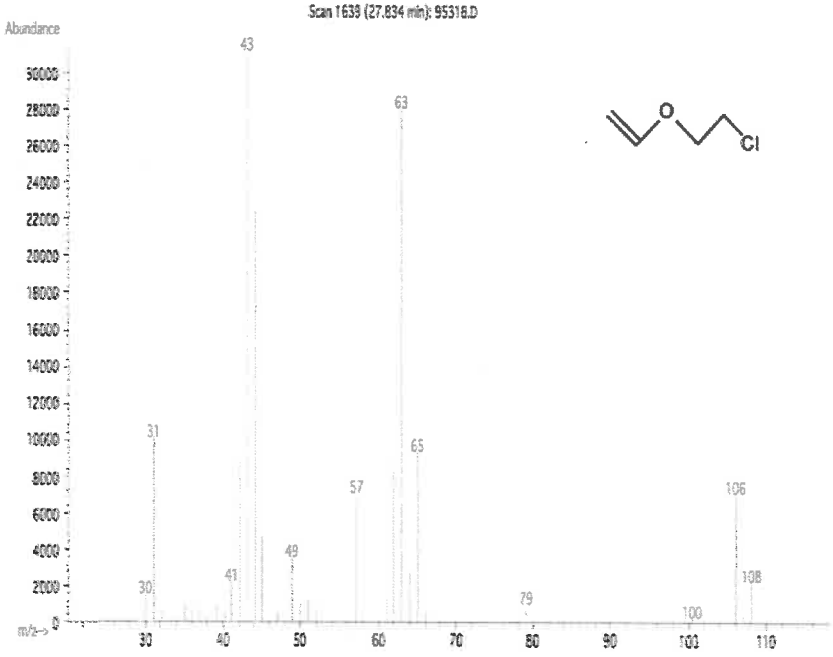
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

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Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

The information in this Material Safety Data Sheet meets the requirements of the United States Occupational Safety and Health Act and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and Global Harmonized System (GHS). This document is intended only as a guide to the appropriate precautionary handling of the material by trained personnel, or supervised by a person trained in chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes. Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, ABSOLUTE STANDARDS INC. cannot warn of all the potential dangers of use or interaction with other chemicals or substances. ABSOLUTE STANDARDS INC. warrants that the chemical meets the specifications set forth on the label. ABSOLUTE STANDARDS INC DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR APPLICATION. The user should recognize that this product can cause severe injury or death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Absolute Standards Inc. will periodically revise this Safety Data Sheet. If you have any questions, please call Technical Service at 1-203-281-2917 for assistance.

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Certified Reference Material CRM

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Solvent(s): Methanol **Lot#** EJ143-US

V14630 to V14649

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

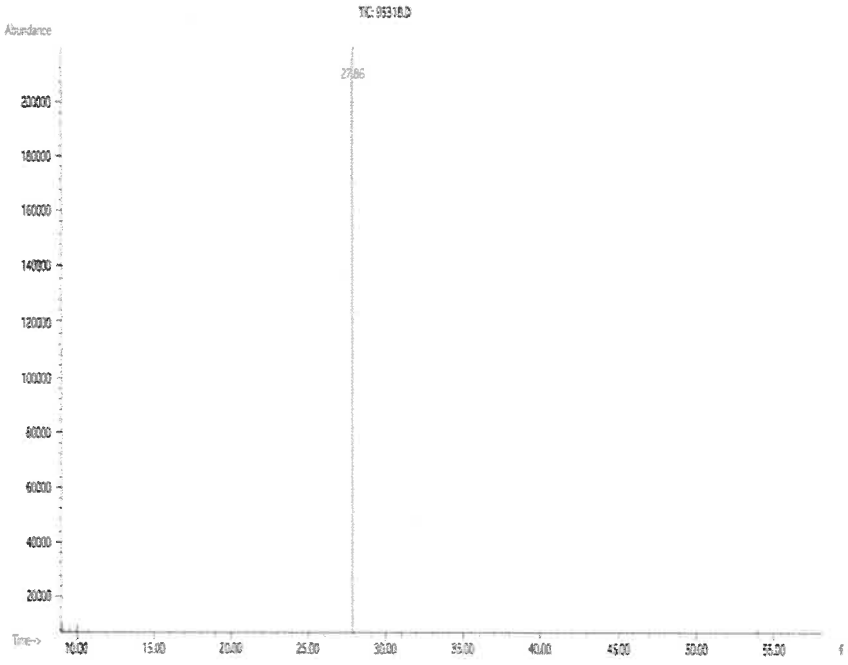
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

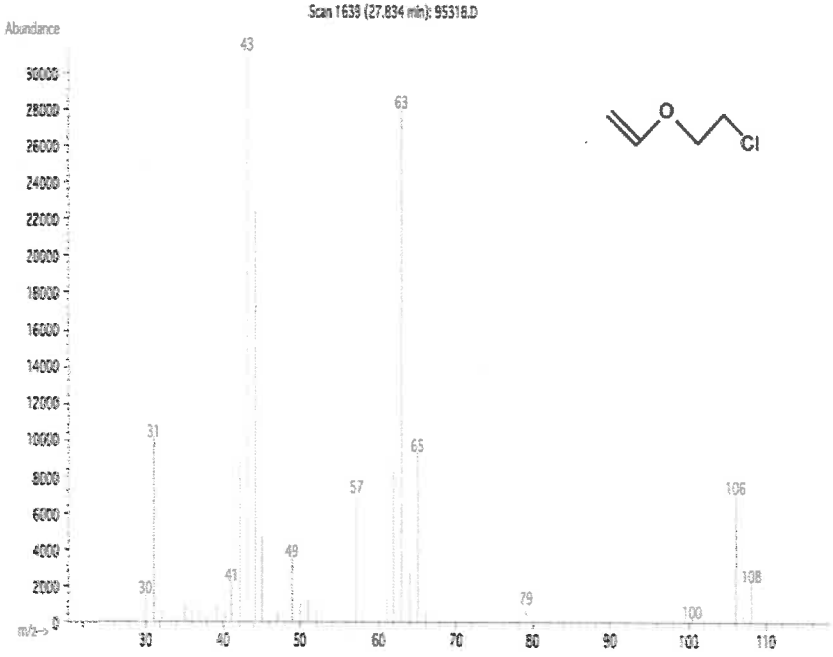
Weight(s) shown below were combined and diluted to (mL): 50.0

Prashant Chauhan	120524	
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas	120524	
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
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P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
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If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
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Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

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Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
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Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

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Chemical stability — Stable under recommended storage conditions.
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EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

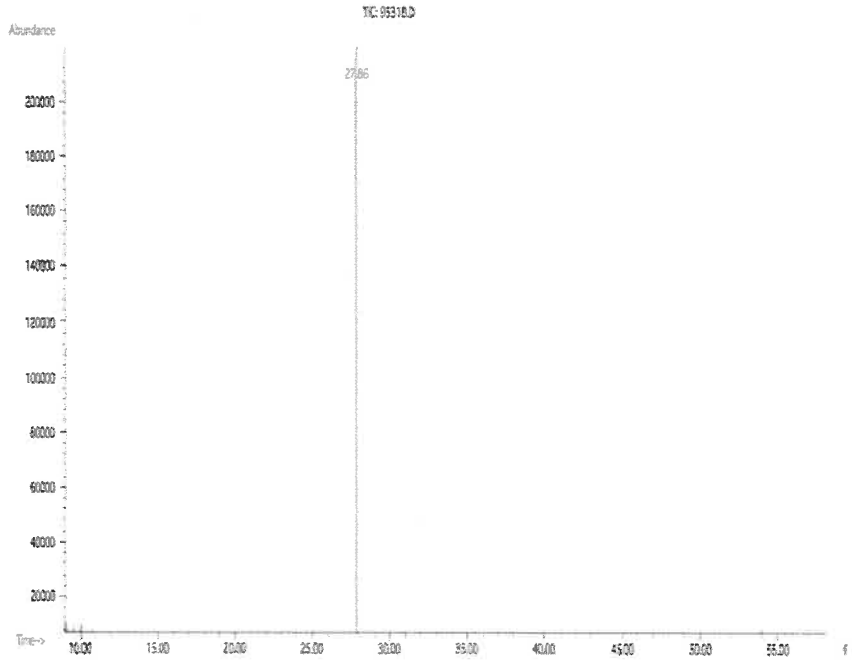
Solvent(s): Methanol **Lot#** EJ143-US

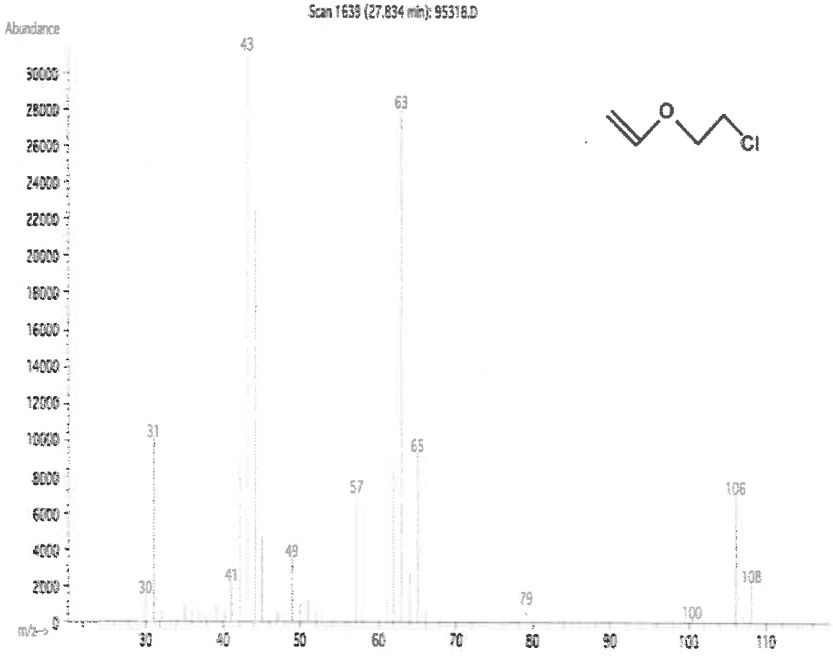
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan	120524
Formulated By: Prashant Chauhan	DATE
Pedro Rentas	120524
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
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- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
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Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

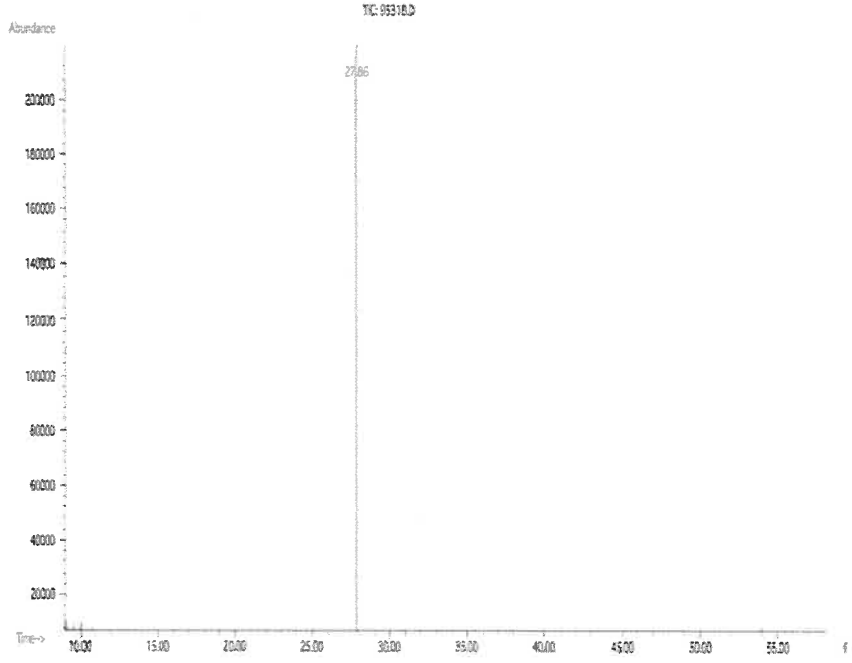
Solvent(s): Methanol **Lot#** EJ143-US

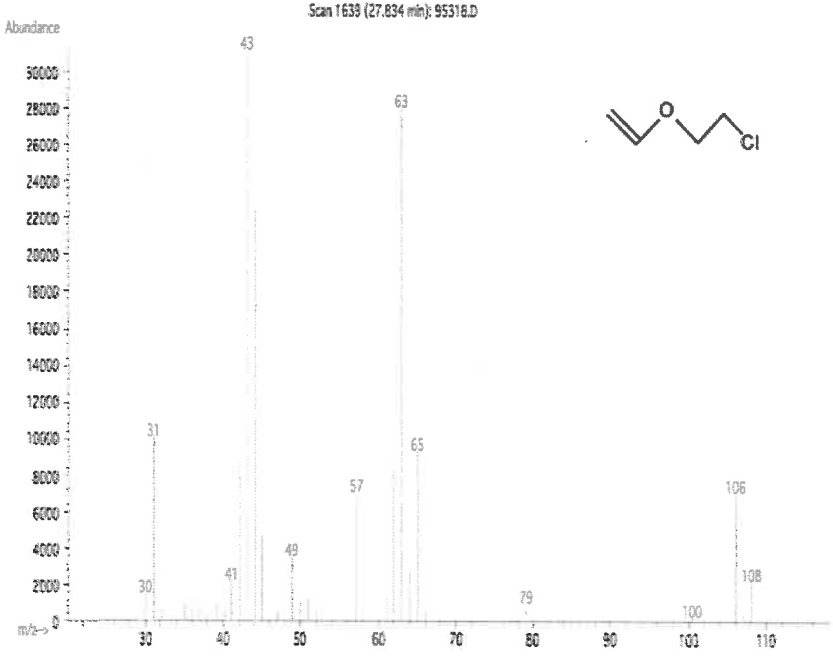
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
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Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
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Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
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Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

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DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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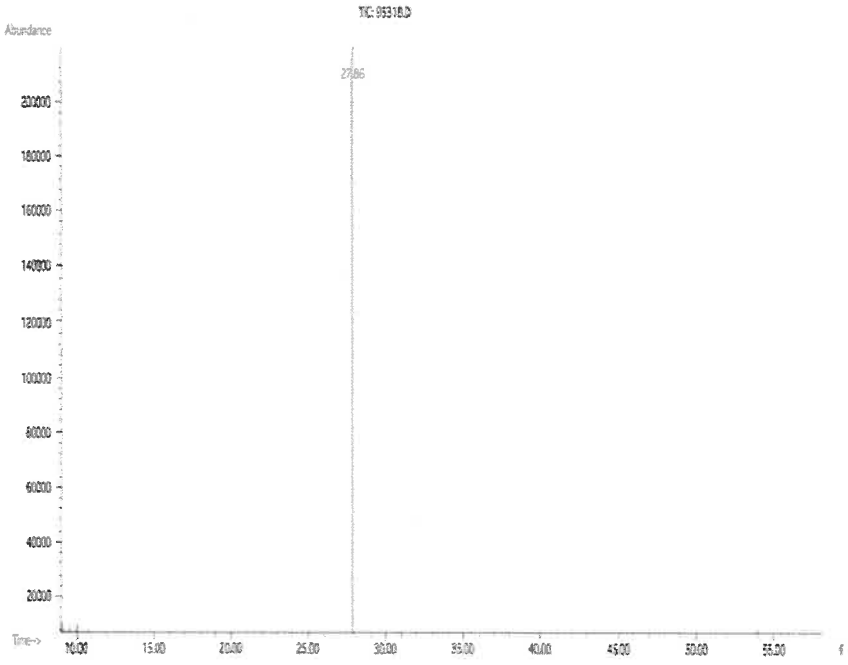
Solvent(s): Methanol **Lot#** EJ143-US

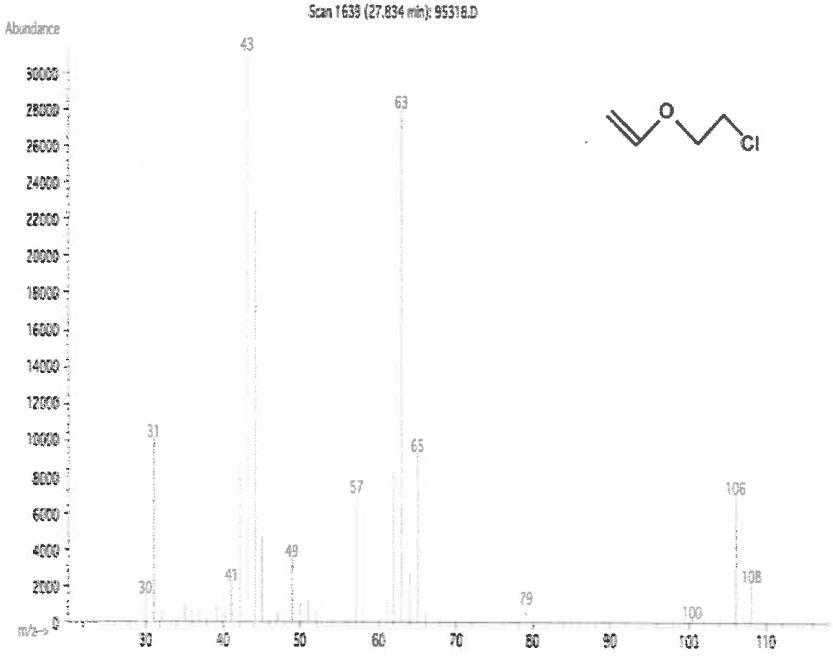
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Formulated By:	Prashant Chauhan	120524 DATE
Reviewed By:	Pedro L. Rentas	120524 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

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Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

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Section IV. FIRST AID MEASURES

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Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
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Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
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LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
Eye damage/eye irritation
Toxic if inhaled. Causes respiratory tract irritation.
Toxic if swallowed.

Section XII. ECOLOGICAL INFORMATION FOR REPORTABLE QUANTITY OF 5000 lbs.

LC50	15,400 mg/l - 96 h
EC50	24,500.00 mg/l - 48 h
EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

Section XVI. Misc. INFORMATION

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Absolute Standards, Inc.
800-368-1131
www.absolutestandards.com

Certified Reference Material CRM

Rec 12/6/24
20 vial
V14630 to
V14649

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 95318
Lot Number: 120524
Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

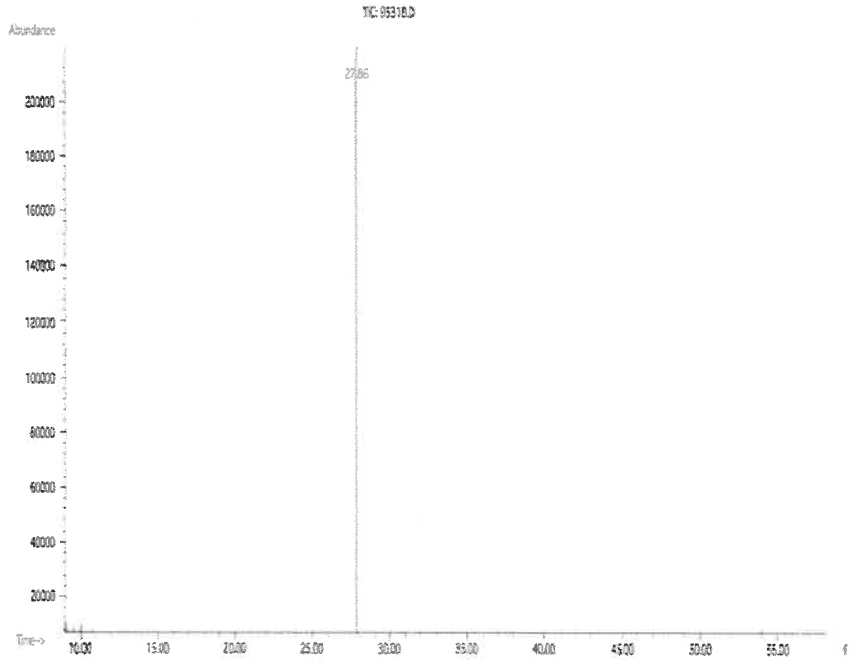
Solvent(s): Methanol **Lot#** EJ143-US

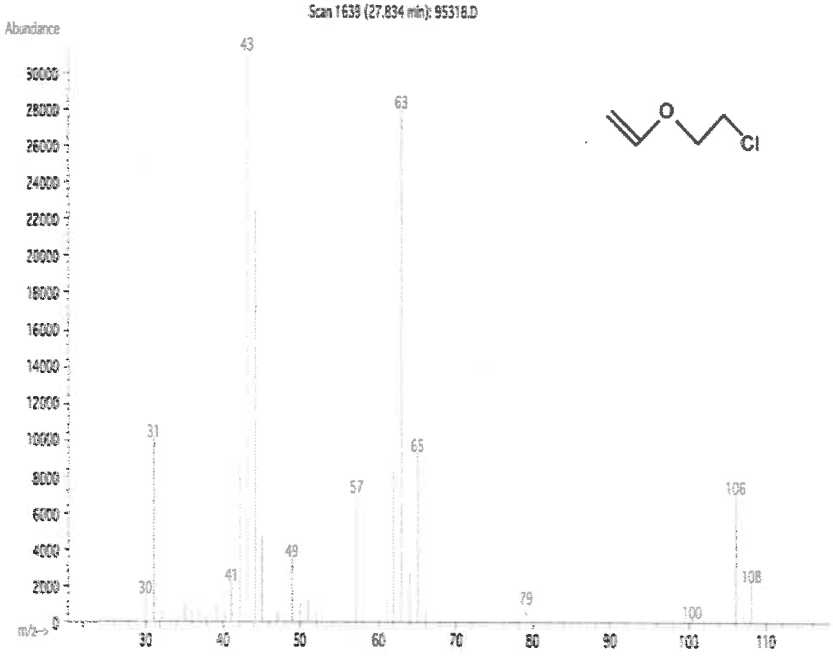
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
Reviewed By:	Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





- The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.
- Standards are prepared gravimetrically using balances that are calibrated with weights traceable to NIST (see above).
- Standards are certifed (+/-) 0.5% of the stated value, unless otherwise stated.
- All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.
- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Absolute Standards Inc.
PO Box 5585
Hamden, CT 06518-0585
Phone: 203-281-2917
FAX: 203-281-2922

Safety Data Sheet (SDS) GHS/OSHA Compliant

Section I Product and Company Identification

IDENTITY **ANALYTICAL STANDARD DISSOLVED IN METHANOL**

Manufacturer's Name	ABSOLUTE STANDARDS INC	Emergency Telephone USA & CANADA	**1-800-535-5053**
Address	44 Rossotto Dr. Hamden CT, 06514	Emergency Telephone International Date Prepared/Revised	**1-352-323-3500** January 1, 2024

Section II - Hazards Identification

GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

H225	**Highly Flammable Liquid and Vapor**	**H301, 311, 331**	**Toxic if swallowed, skin contact, inhaled**
H370	**Cause damage to organs**	**H351**	**Suspected of causing cancer**
P271	**Use in ventilated area**	**P280**	**Use gloves, eye protection/face sheild**
P302,332	**If on skin, wash with soap and water**	**P305,351,338**	**If in eyes, remove contacts, rinse with water**



Signal Word: DANGER

Section III - Composition

Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

See Certified Weight Report For Other Analytes Present At Trace Quantities.

INTENDED USE: REFERENCE MATERIAL

Section IV. FIRST AID MEASURES

General advice	Consult a physician. Show this safety data sheet to the doctor in attendance.Move to safe area.
If inhaled	If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.
In case of skin contact	Wash with soap and water. Consult a physician.
In case of eye contact	Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.
If swallowed	Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

Section V. FIREFIGHTING MEASURES

Flammability	Flammable in the presence of a source of ignition when the temperature is above the flash point. Keep away from heat/sparks/open flame/hot surface. No smoking.
Suitable extinguishing media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Protective equipment for fire	Wear self contained breathing apparatus for fire fighting if necessary.

Section VI. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear respiratory protection. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Remove all sources of ignition. Vapours accumulate to form explosive concentrations.
Environmental precautions	Prevent further leakage or spillage if safe to do so. Do not let product enter drains.
Clean up	Contain spillage, and then collect and place in container for disposal according to local regulations (see section 13).

Section VII. HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid inhalation of vapour or mist. Use ventilation Keep away from sources of ignition. No smoking. Prevent the build up of electrostatic charge.
Storage Conditions	Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Methanol 67-56-1 TWA 200 ppm
Skin notation TWA 200 ppm
Potential for skin absorption , ingestion and inhalation.
Personal protective equipment Respiratory protection Handle with gloves. Gloves must be inspected prior to use. Eye protection.
Avoid contact with skin, eyes and clothing. Wash hands thoroughly after handling the product.

Section IX - Physical/Chemical Characteristics

Boiling Point	65°C	Specific Gravity (H2O = 1)	0.79
Vapor Pressure (mm Hg)	96	Melting Point	-98°C
Vapor Density (AIR = 1)	1.11	Evaporation rate (Butyl Acetate = 1)	4.6

Solubility in Water COMPLETE

Appearance and Odor CLEAR, COLORLESS LIQUID WITH CHARACTERISTIC PUNGENT ODOR.

Section X. STABILITY AND REACTIVITY

Chemical stability — Stable under recommended storage conditions.
Possibility of hazardous reactions — Vapours may form explosive mixture with air.
Conditions to avoid — Heat, flames, sparks, extreme temperature and sunlight.
Materials to avoid — Acid chlorides, Acid anhydrides, Oxidizing agents, Alkali metals, Reducing agents, Acids
Hazardous decomposition products formed under fire conditions. - Carbon oxides

Section XI. TOXICOLOGICAL INFORMATION

LD50 Oral - rat - 5,628 mg/kg
LC50 Inhalation - rat - 4 h - 64000 ppm
LD50 Dermal - rabbit - 15,800 mg/kg
Toxic if absorbed through skin. Causes skin irritation.
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LC50	15,400 mg/l - 96 h
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Section XIII. DISPOSAL CONSIDERATIONS

Dispose with normal Laboratory Solvent Waste.

Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

Section XV. REGULATORY INFORMATION

OSHA Hazards Flammable liquid, Target Organ Effect, Toxic by inhalation., Toxic by ingestion, Toxic by skin absorption, Irritant
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Description: 2-Chloroethyl vinyl ether

Expiration Date: 120527
Recommended Storage: Refrigerate (4 °C)
Nominal Concentration (µg/mL): 10000
NIST Test ID#: 6UTB

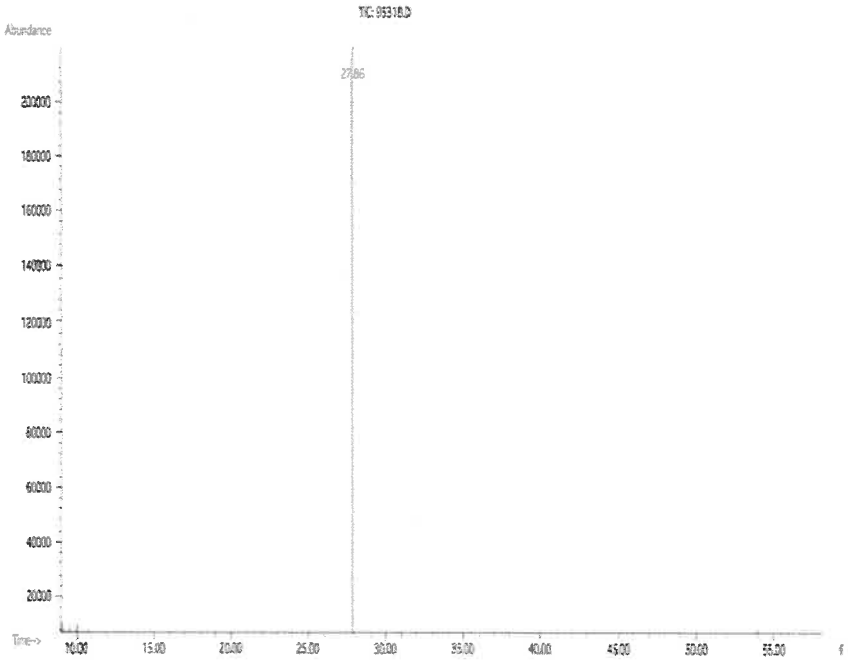
Solvent(s): Methanol **Lot#** EJ143-US

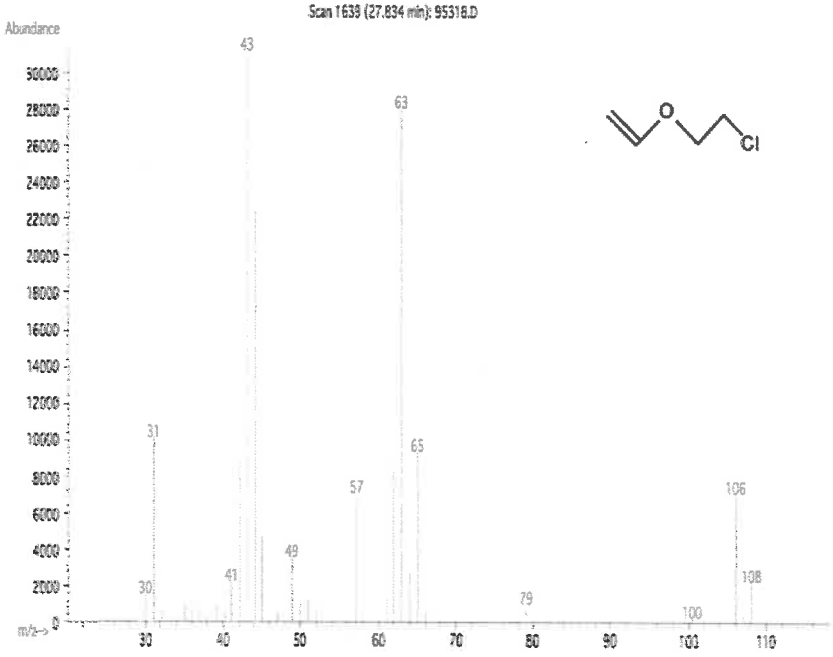
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Weight(s) shown below were combined and diluted to (mL): 50.0 0.001 Flask Uncertainty

Prashant Chauhan		120524
Formulated By:	Prashant Chauhan	DATE
Pedro Rentas		120524
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Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight (g)	Actual Weight (g)	Actual Conc(µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. 2-Chloroethyl vinyl ether	74	MKCD0033	10000	99	0.2	0.50536	0.50550	10002.9	40.5	110-75-8	N/A	ori-rat 250mg/kg

Method: GC6MSD-1.M. **Detector:** MSD. **Column:** (60m X 0.25mm X 1.5 µm). **Oven Profile:** Temp 1 = 35°C (Time 1=10min.), Temp 2 = 200°C (Time 2=8.75 min.), Rate = 4°C/min., Injector B Temp.= 200°C, Detector B Temp. = 220°C. **Analyst:** Candice Warren.





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Safety Data Sheet (SDS) GHS/OSHA Compliant

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Signal Word: DANGER

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Components (Specific Chemical Identity; Common Name(s))			% (optional)
Methanol	METHYL ALCOHOL	CAS#: 67-56-1	> 97

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EC100	10,000.00 mg/l - 24 h

Section XIII. DISPOSAL CONSIDERATIONS

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Section XIV. TRANSPORT INFORMATION

DOT (US)
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

IATA
UN number: 1230 Class: 3 Packing group: II
Proper shipping name: Methanol

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SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

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RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ilac-MRA A2LA ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ilac-MRA A2LA ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30067 **Lot No.:** A0191805

Description : 4-Bromofluorobenzene Standard

4-Bromofluorobenzene Standard 2,500µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : November 30, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	2,483.9 µg/mL	+/- 139.5488

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

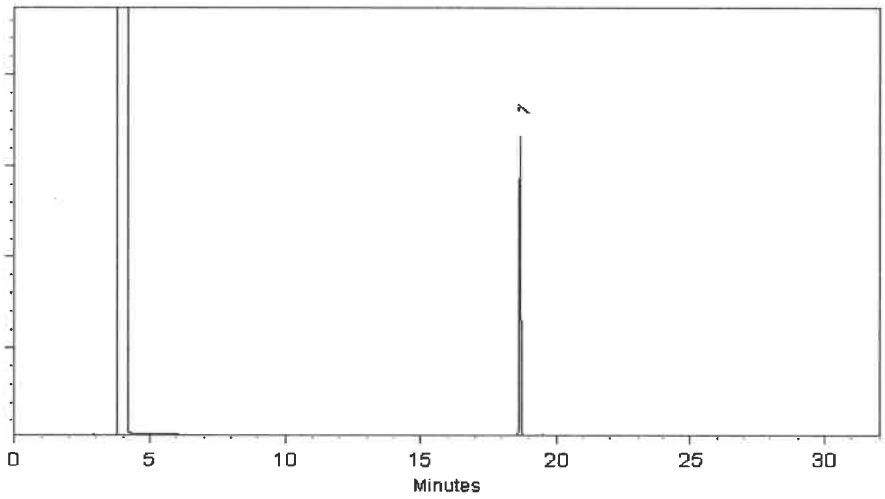
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Alicia Leathers - Operation Technician I

Date Mixed: 17-Nov-2022 **Balance Serial #** B251644995

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 21-Nov-2022

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic plus

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0193071

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : December 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	00008541	99%	2,018.0 µg/mL	+/- 113.3890

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

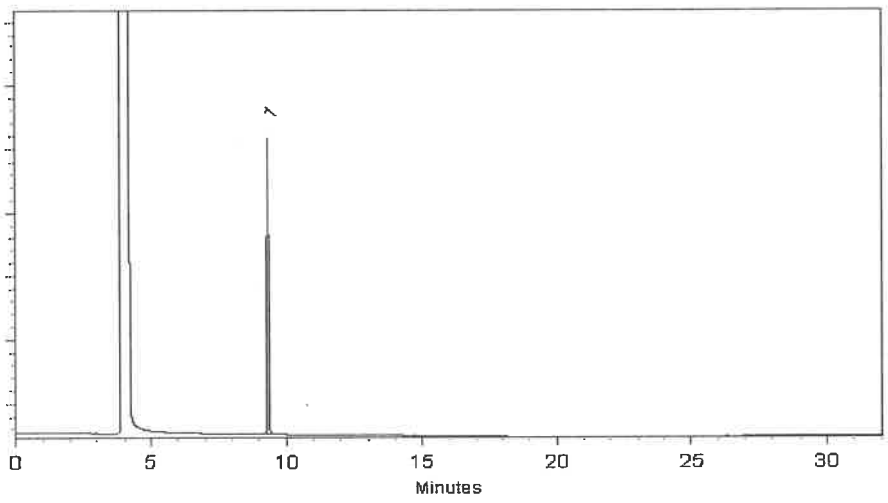
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 29-Dec-2022 **Balance Serial #** B707717271

Christie Mills - Operations Tech II - ARM QC

Date Passed: 03-Jan-2023

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Certificate #3222.01

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ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0196865

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2026 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-32845	99%	25,036.0 µg/mL	+/- 1,417.9179
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	184975	99%	25,132.0 µg/mL	+/- 1,423.3549
3	Dibromofluoromethane	1868-53-7	022013	99%	25,040.0 µg/mL	+/- 1,418.1445
4	Toluene-d8	2037-26-5	PR-33397	99%	25,028.0 µg/mL	+/- 1,417.4648

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Russ Bookhamer - Operations Technician I

Date Mixed: 11-Apr-2023 **Balance:** 1127510105

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

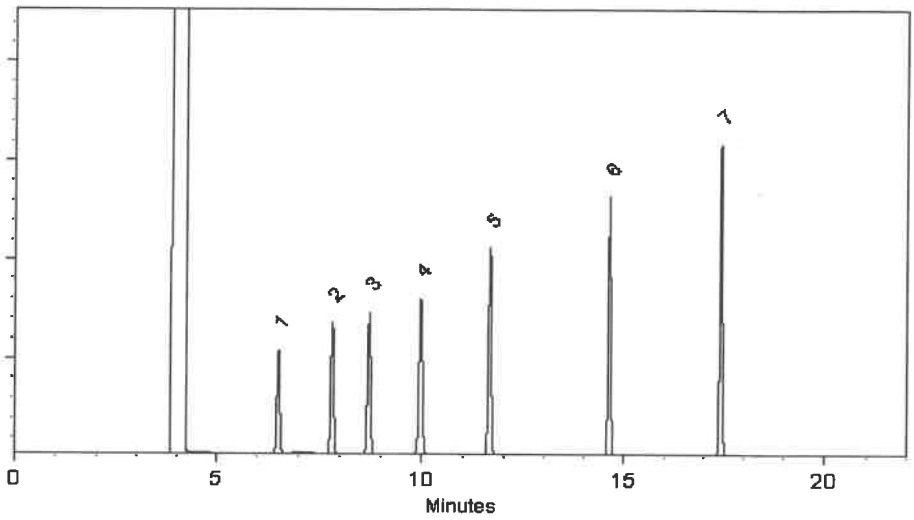
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

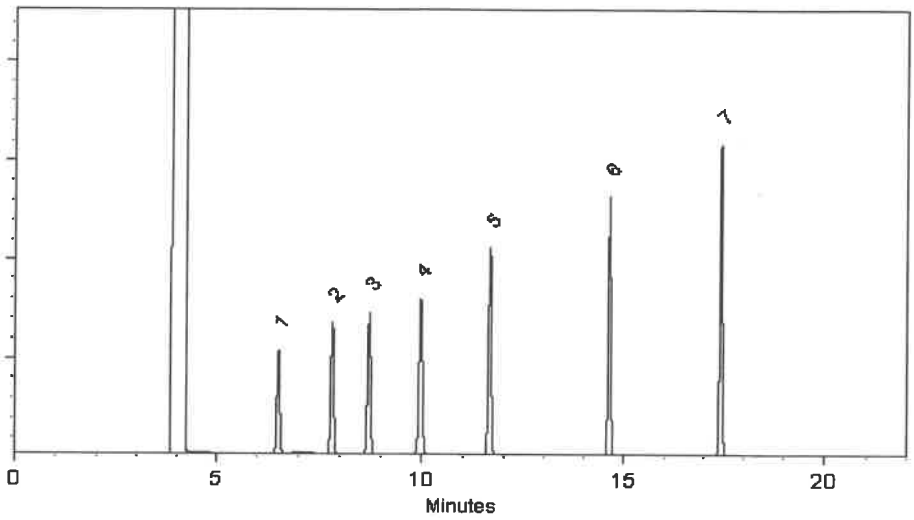
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

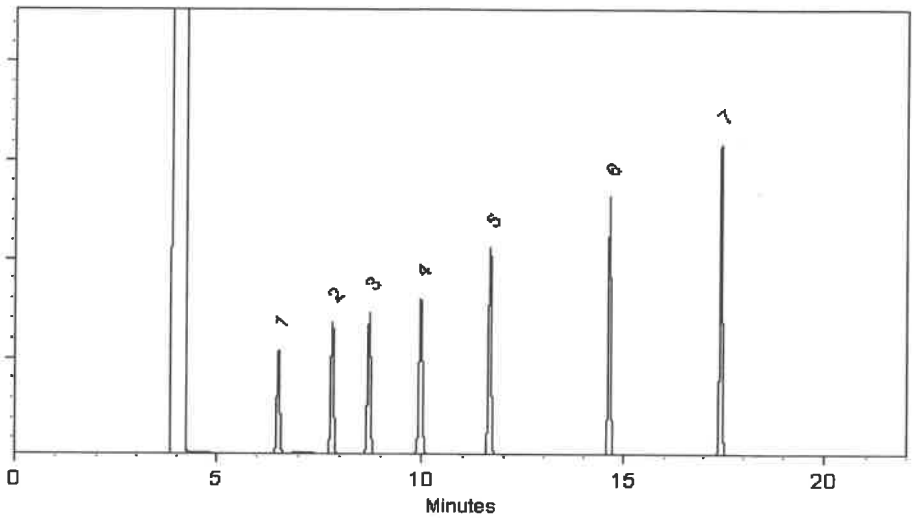
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
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Purity Notes:

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- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

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This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30489 **Lot No.:** A0209618

Description : 8260B Acetates Mix

8260B Acetates Mix 2,000 µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : September 30, 2025 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Methyl acetate	79-20-9	SHBP3100	99%	2,019.3 µg/mL	+/- 69.7974
2	Vinyl acetate	108-05-4	RP231030CTH	98%	2,016.8 µg/mL	+/- 69.7112
3	Ethyl acetate	141-78-6	SHBQ9682	99%	2,010.7 µg/mL	+/- 69.4979
4	Isopropyl acetate	108-21-4	BCCG7069	99%	2,016.0 µg/mL	+/- 69.6822
5	Propyl acetate	109-60-4	P8XLN	99%	2,008.0 µg/mL	+/- 69.4057
6	Butyl acetate	123-86-4	SHBP6314	99%	2,007.3 µg/mL	+/- 69.3826
7	Amyl acetate	628-63-7	41325/1	97%	2,004.7 µg/mL	+/- 69.2905

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this

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Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

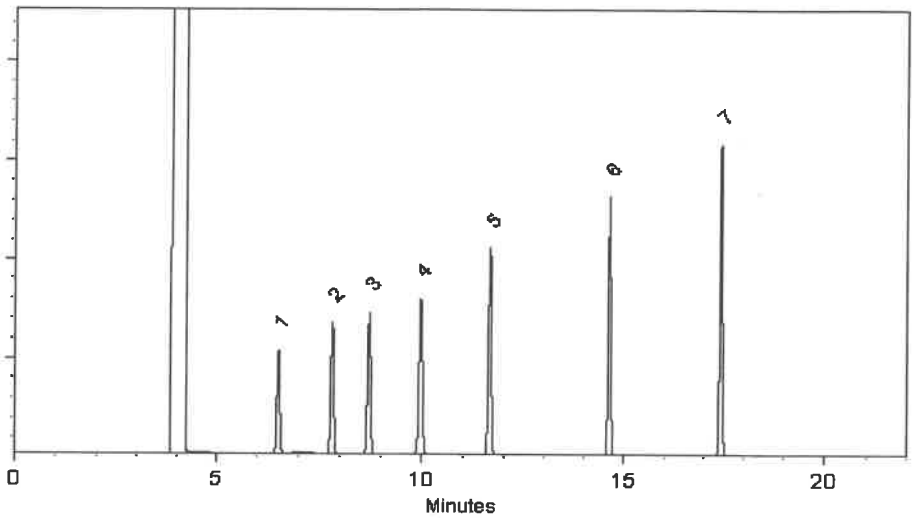
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Sam Moodler - Operations Tech I

Date Mixed: 28-Mar-2024 **Balance Serial #** B707717271

Dillan Murphy - Operations Technician I

Date Passed: 01-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

gravimetric

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555581 **Lot No.:** A0210184

Description : Custom 8260 Internal Standard Mix

Custom 8260 Internal Standard Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : April 30, 2027 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,4-Dichlorobenzene-d4	3855-82-1	PR-30447	99%	25,212.0 µg/mL	+/- 1,427.8857
2	1,4-Difluorobenzene	540-36-3	MKCS8657	99%	25,220.0 µg/mL	+/- 1,428.3388
3	Chlorobenzene-d5	3114-55-4	PR-31132	99%	25,116.0 µg/mL	+/- 1,422.4487
4	Pentafluorobenzene	363-72-4	MKCR9383	99%	25,180.0 µg/mL	+/- 1,426.0734

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

John Friedline - Operations Technician I

Date Mixed: 11-Apr-2024 **Balance:** 1127510105

REVIEWED

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

30 Yrs

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

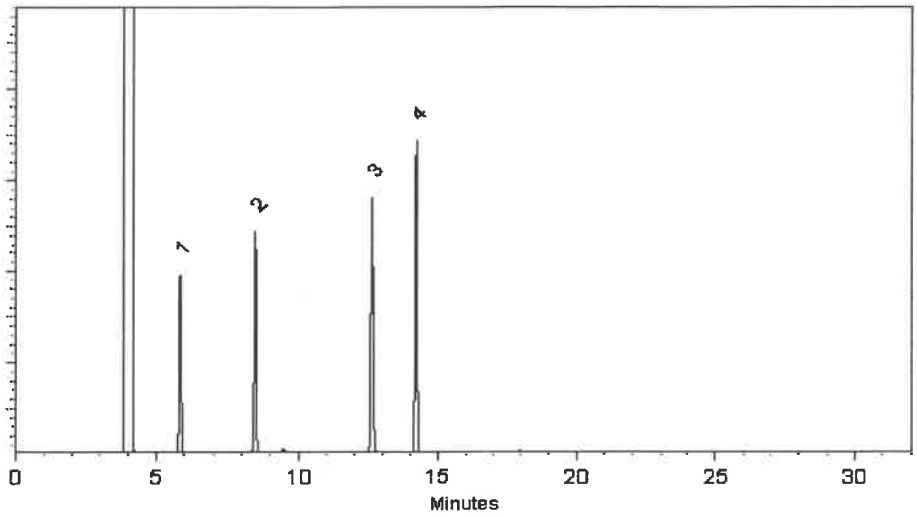
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

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CERTIFIED REFERENCE MATERIAL

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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

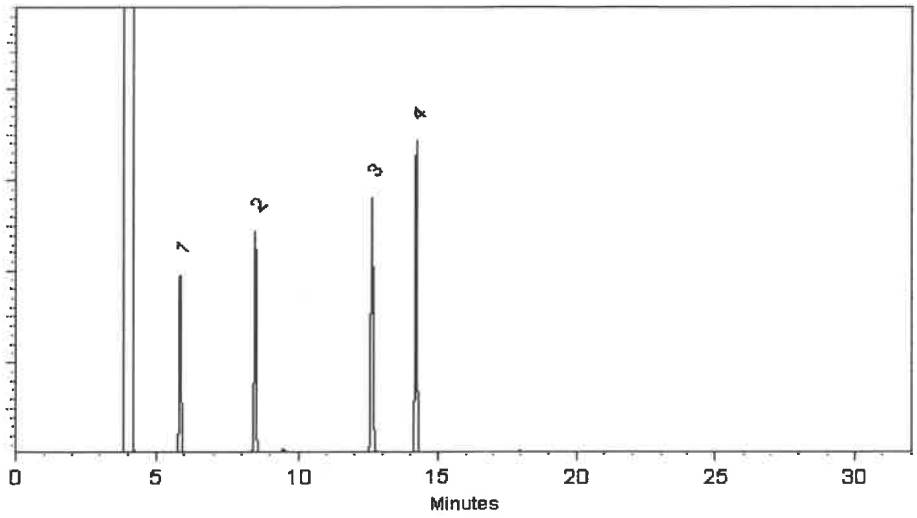
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

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Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

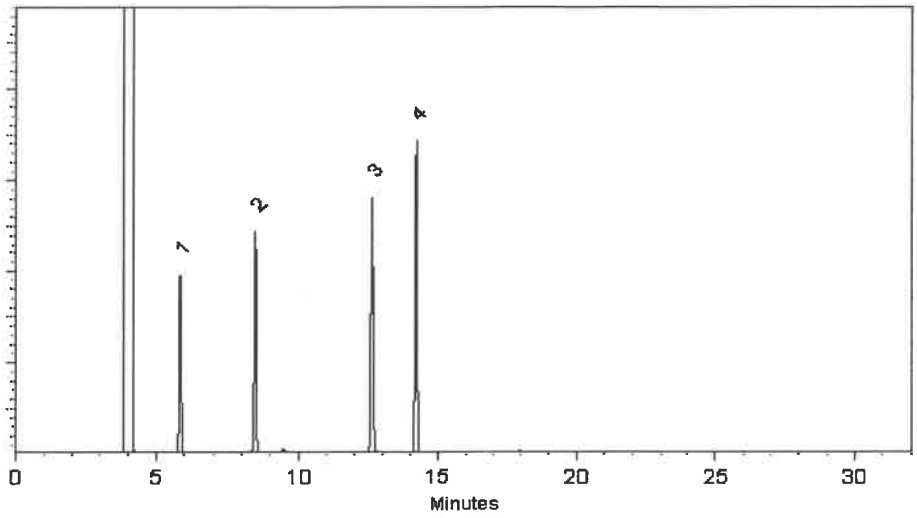
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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Reference Material Producer
Certificate #3222.01

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Certificate #3222.02

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Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
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4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

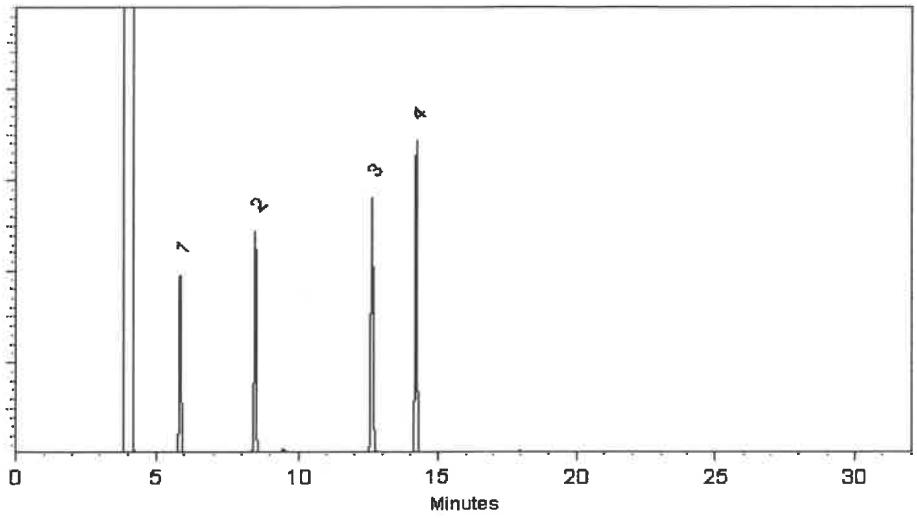
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



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Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 V.4

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Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

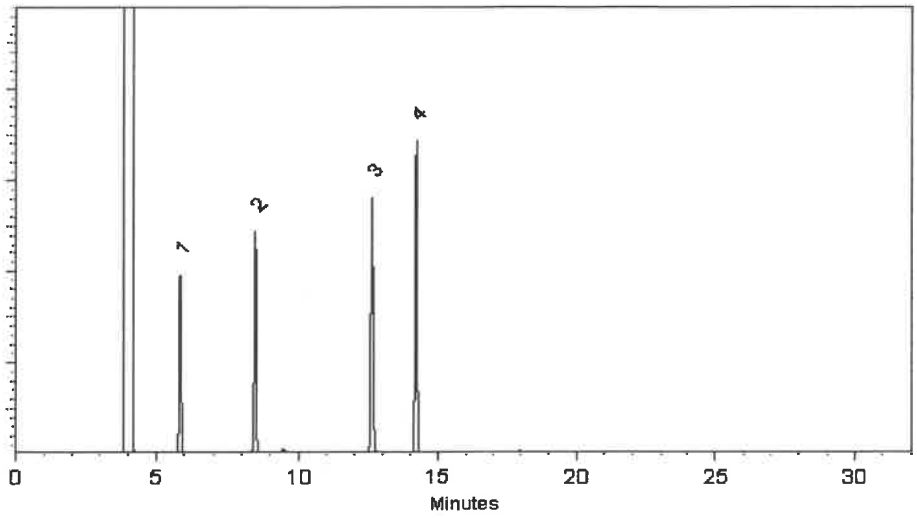
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

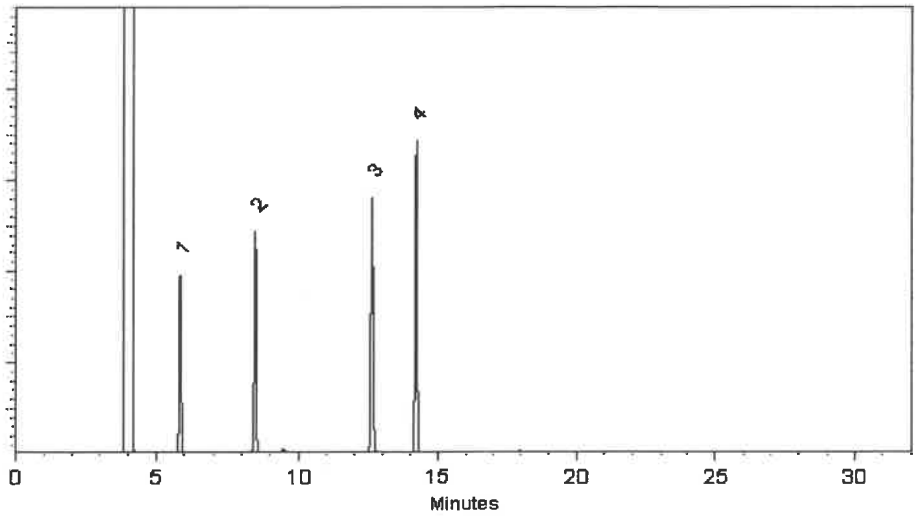
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

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Handling Notes:

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30006 **Lot No.:** A0210618

Description : VOA Calibration Mix #1

VOA Calibration Mix #1 5,000µg/mL, P&T Methanol/Water(90:10), 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : July 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Acetone	67-64-1	SHBQ8504	99%	5,014.8 µg/mL	+/- 173.2883
2	2-Butanone (MEK)	78-93-3	SHBQ4704	99%	5,012.4 µg/mL	+/- 173.2054
3	4-Methyl-2-pentanone (MIBK)	108-10-1	SHBP9200	99%	5,011.6 µg/mL	+/- 173.1777
4	2-Hexanone	591-78-6	MKCQ6663	99%	5,013.0 µg/mL	+/- 173.2261

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol/Water (90:10)
CAS # 67-56-1/7732-18-5
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

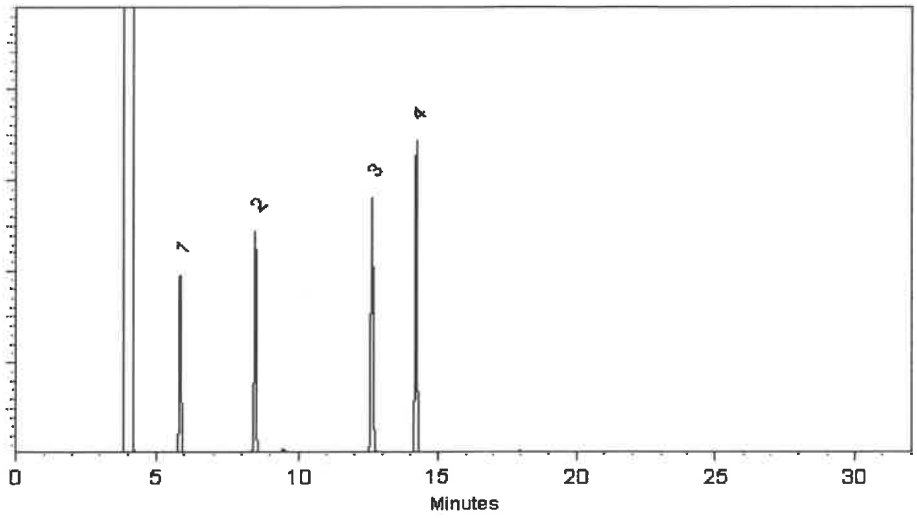
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Dakota Parson - Operations Technician I

Date Mixed: 22-Apr-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 24-Apr-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.
- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

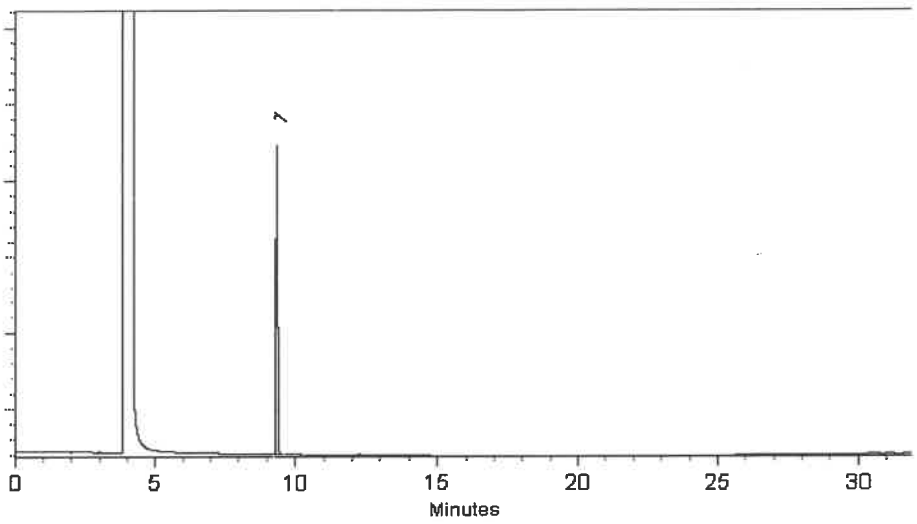
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

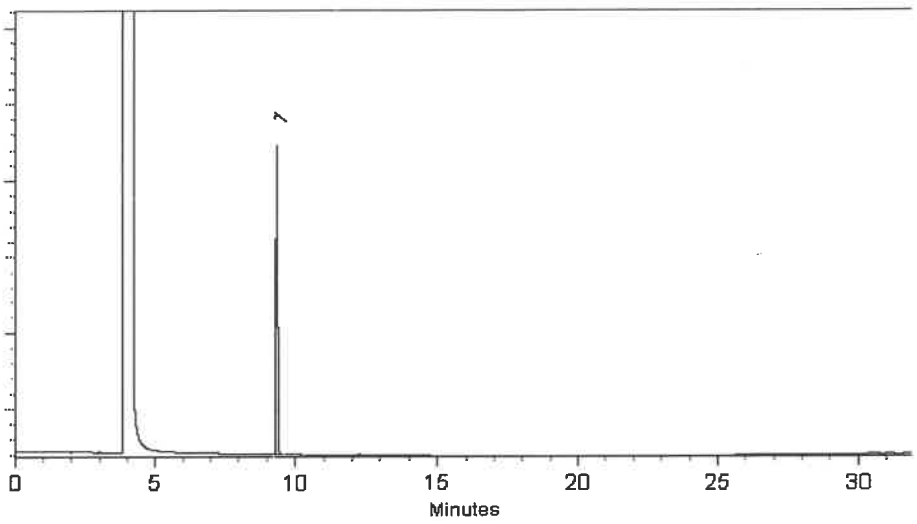
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

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  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

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FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

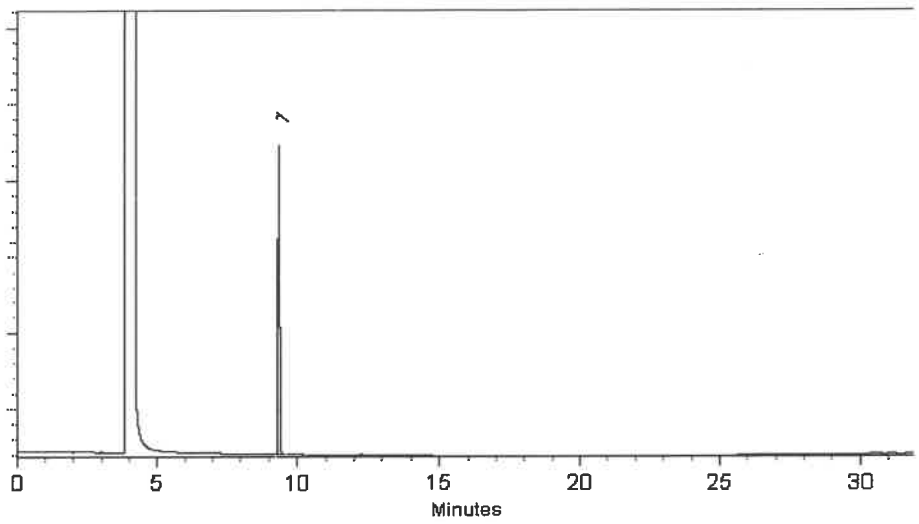
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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10 vial.

CERTIFIED REFERENCE MATERIAL

Rec: 12/09/24

Certificate of Analysis

chromatographic plus

V14667 to
V14676

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30225 **Lot No.:** A0214960

Description : Bromochloromethane Standard

Bromochloromethane 2000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : August 31, 2029 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Bromochloromethane	74-97-5	SYN240416CTH	99%	2,012.0 µg/mL	+/- 113.0519

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

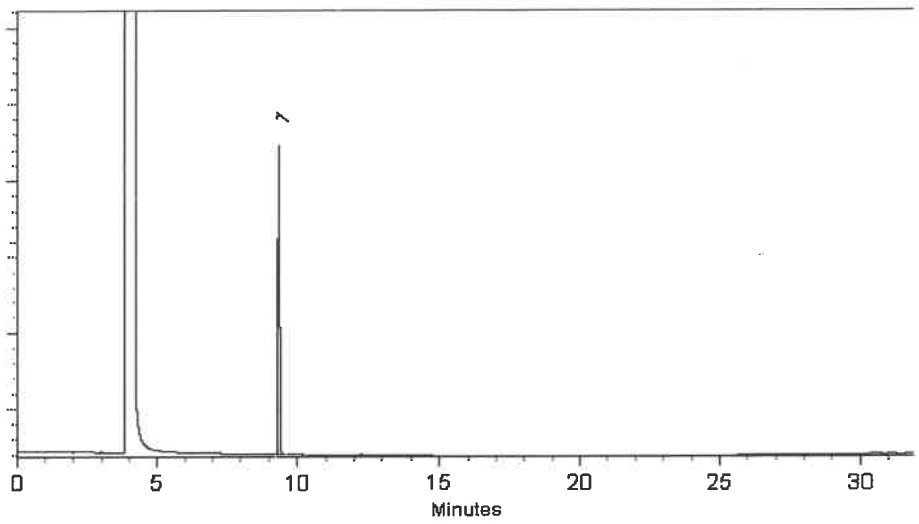
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Stacey Wanner - Operations Technician I

Date Mixed: 08-Aug-2024 **Balance Serial #** 1127510105

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 14-Aug-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to V14756

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

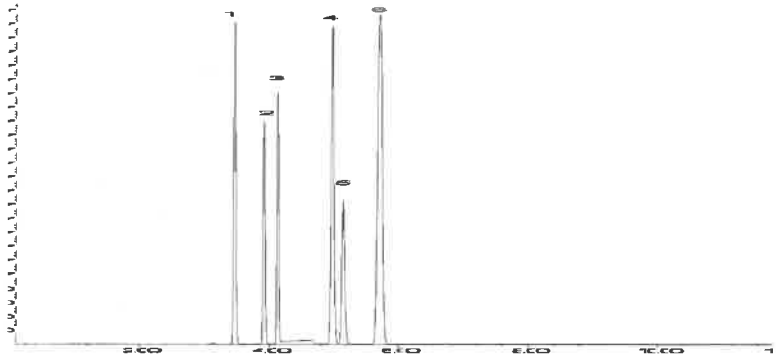
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

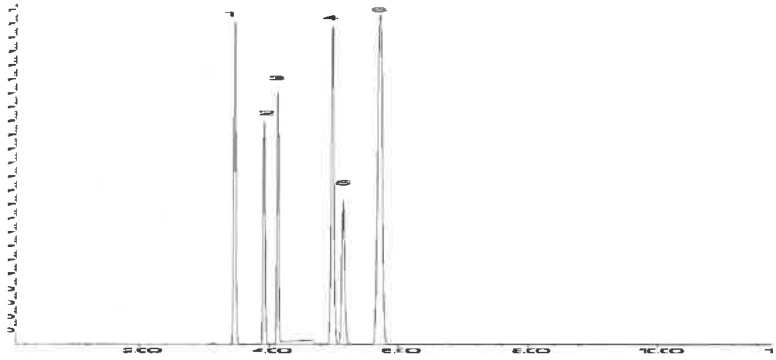
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

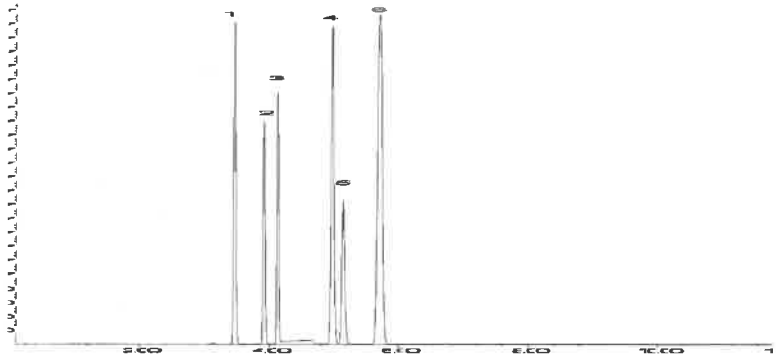
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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www.restek.com

Rec 12/17/24

CERTIFIED REFERENCE MATERIAL

30 Vial

Certificate of Analysis

chromatographic plus

V14727 to
V14756

ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30042 **Lot No.:** A0216826

Description : 502.2 Calibration Mix #1

502.2 Calibration Mix #1 2,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : May 31, 2031 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Dichlorodifluoromethane (CFC-12)	75-71-8	00022922	99%	2,000.9 µg/mL	+/- 112.4144
2	Chloromethane (methyl chloride)	74-87-3	00022694	99%	2,000.7 µg/mL	+/- 112.3998
3	Vinyl chloride	75-01-4	00015559	99%	2,000.3 µg/mL	+/- 112.3779
4	Bromomethane (methyl bromide)	74-83-9	00017022	99%	2,001.8 µg/mL	+/- 112.4650
5	Chloroethane (ethyl chloride)	75-00-3	107-401039114-1	99%	2,000.1 µg/mL	+/- 112.3700
6	Trichlorofluoromethane (CFC-11)	75-69-4	MKCJ8658	99%	2,000.7 µg/mL	+/- 112.3992

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
60m x 0.25mm x 1.4µm
Rtx-502.2 (cat.#10916)

Carrier Gas:
helium-constant flow 2.0 mL/min.

Temp. Program:
40°C (hold 6 min.) to 100°C
@ 6°C/min.

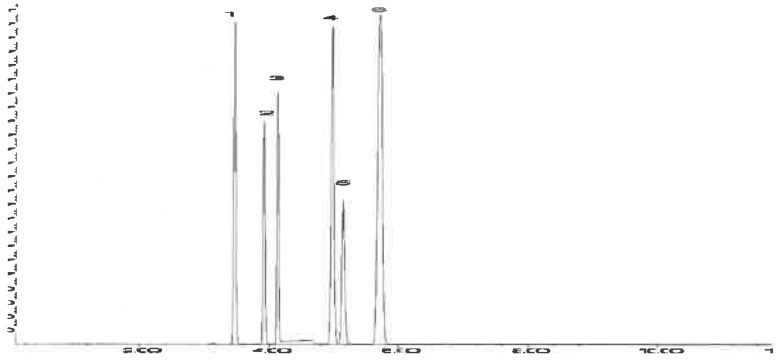
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
MSD

Split Vent:
Split ratio 10:1

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Tom Suckar - Mix Technician

Date Mixed: 23-Sep-2024 **Balance Serial #** B707717271

Jennifer Pollino - Operations Tech III - ARM QC

Date Passed: 04-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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CERTIFIED REFERENCE MATERIAL

ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic plus

J 148421 to 148546

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 30470 **Lot No.:** A0217535

Description : tert-Butanol Standard

tert-Butanol Std 50,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : October 31, 2027 **Storage:** 0°C or colder

Ship: Ambient

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	tert-Butanol (TBA)	75-65-0	SHBQ8002-1	99%	50,007.5 µg/mL	+/- 717.6137

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

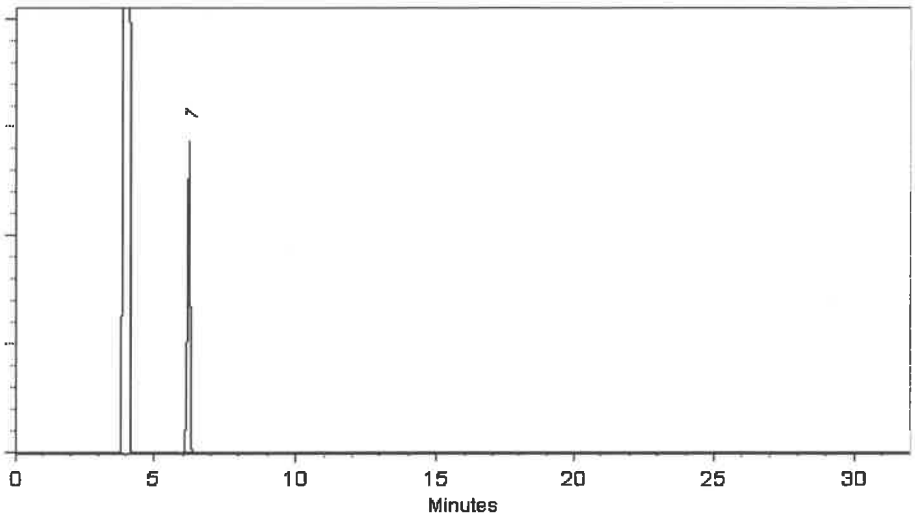
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Aaron Enyart - Operations Tech I

Date Mixed: 07-Oct-2024 **Balance Serial #** B251644995

Brittany Federinko - Operations Tech I

Date Passed: 09-Oct-2024

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Vinyl Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

Certificate of Analysis

chromatographic

V14803 - V14822

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

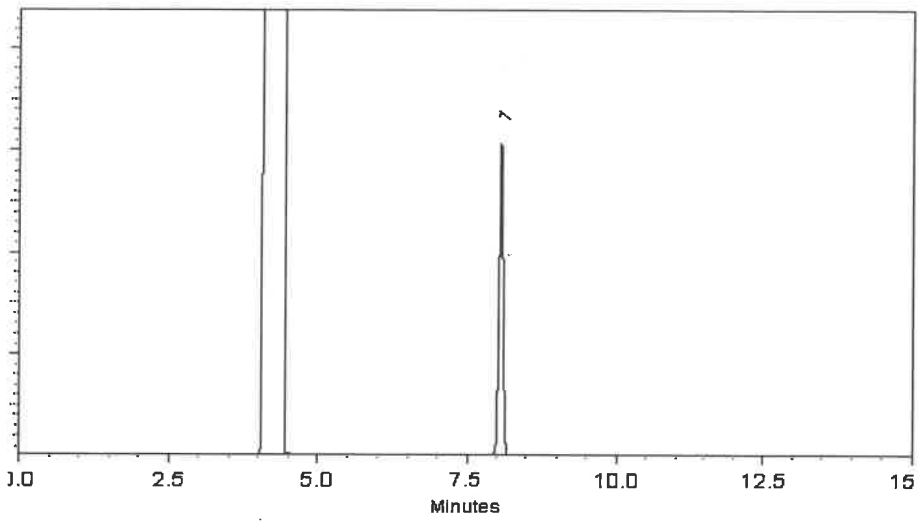
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Vinyl Rec 01/08/21

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CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

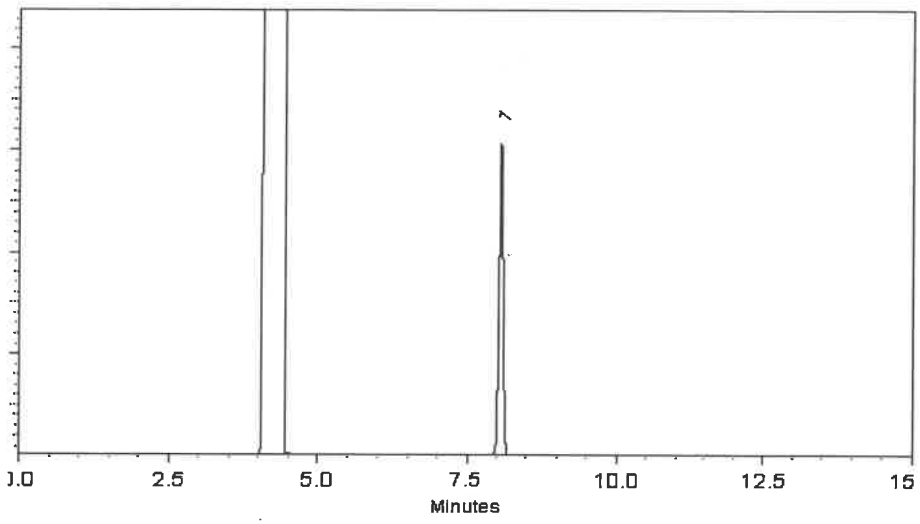
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
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Vinyl Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

Certificate of Analysis

chromatographic

V14803 - V14822

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

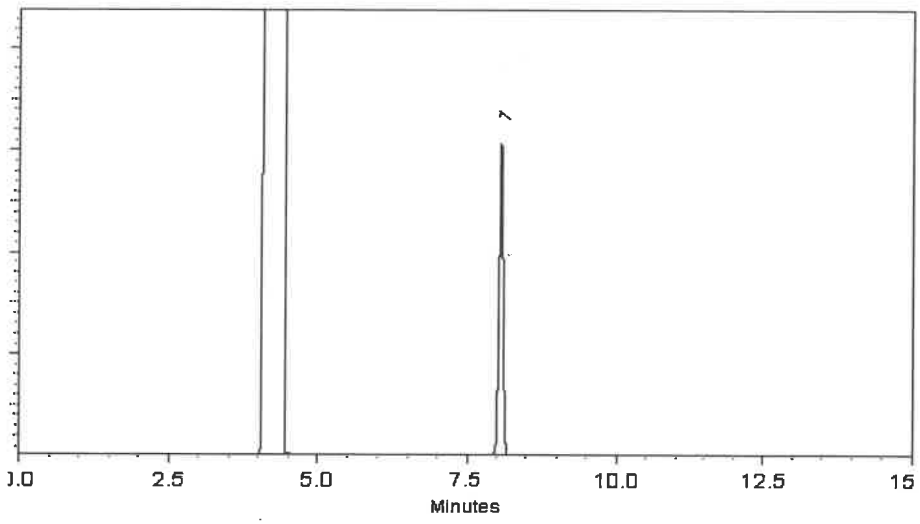
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

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Zoviy Rec 01/08/21

CERTIFIED REFERENCE MATERIAL

ilac-MRA
A2LA ACCREDITED
ISO 17034 Accredited
Reference Material Producer
Certificate #3222.01

Certificate of Analysis

chromatographic

V14803 - V14822

ilac-MRA
A2LA ACCREDITED
ISO/IEC 17025 Accredited
Testing Laboratory
Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555408-SL **Lot No.:** A0220471

Description : Custom Vinyl Acetate Standard

Custom Vinyl Acetate Standard 8,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : June 30, 2026 **Storage:** -20°C or colder

Handling: This product is photosensitive. **Ship:** On Ice

CERTIFIED VALUES

Elution Order	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	Vinyl acetate	108-05-4	RD240423RSR	99%	8,066.0 µg/mL	+/- 278.7979

* Expanded Uncertainty displayed in same units as Grav. Conc.

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Tech Tips:

Vinyl acetate is a volatile organic ester included in the target lists of several US EPA and other methods . Under acidic conditions, esters react with alcohols to form new esters (transesterification). Methanol-based mixes containing halogenated compounds are slightly acidic, so it is important to minimize exposure of vinyl acetate to mixes of halogenated compounds in methanol. For this reason, we offer vinyl acetate in individual solution, and suggest that it be introduced into the working level calibration solution immediately before use. This will minimize problems and ensure more consistent results.

Quality Confirmation Test

Column:
105m x 0.53mm x 3.0µm
Rtx-502.2 (cat.#10910)

Carrier Gas:
hydrogen-constant pressure 11.0 psi.

Temp. Program:
40°C (hold 2 min.) to 240°C
@ 8°C/min. (hold 5 min.)

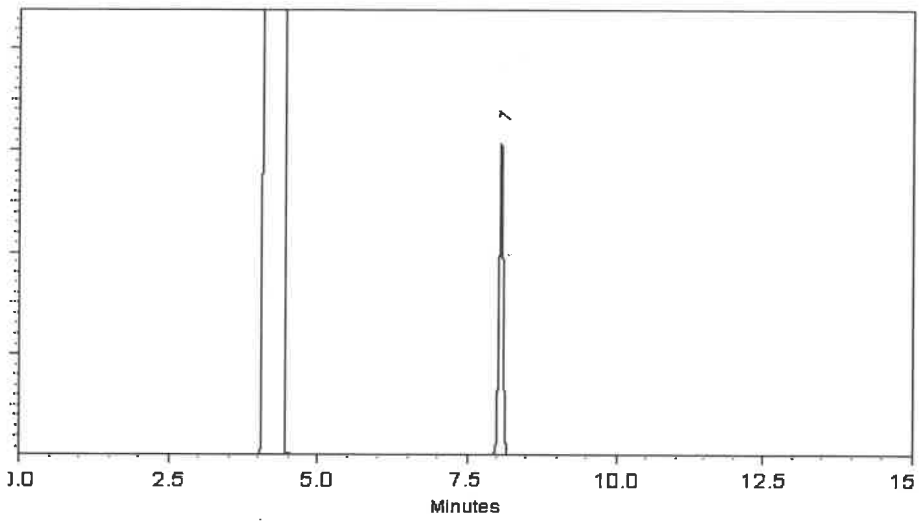
Inj. Temp:
200°C

Det. Temp:
250°C

Det. Type:
FID

Split Vent:
40 ml/min

Inj. Vol
1µl



This chromatogram represents a general set of testing conditions chosen for product acceptance. For optimal results in your lab, conditions should be adjusted for your specific instrument, method, and application.

Ethan Winiarski - Operations Tech I

Date Mixed: 24-Dec-2024 **Balance Serial #** 1127510105

Dillan Murphy - Operations Technician I

Date Passed: 02-Jan-2025

REVIEWED

Manufactured under Restek's ISO 9001:2015
Registered Quality System
Certificate #FM 80397

General Certified Reference Material Notes

Expiration Notes:

- Expiration date valid for unopened ampul stored in compliance with the recommended conditions.
- Uncertainty, concentration, and expiration of the CRM are based on the unopened product being stored according to the recommended condition found in the storage field.

Purity Notes:

- Purity and/or chemical identity are determined by one or more of the following techniques: GC/FID, HPLC, GC/μECD, GC/MS, LC/MS, RI, and/or melting point.
- Compounds with a listed purity of less than 99% have been weight corrected to compensate for impurities and/or salts. A correction factor is used to calculate the amount of compound necessary to achieve the desired concentration of the parent compound in solution.
- Purity of isomeric compounds is reported as the sum of the isomers.
- Purity values are rounded to the nearest whole number.

Certified Uncertainty Value Notes:

- The uncertainties are determined in accordance with ISO 17034 and Guide 35. The certified expanded uncertainty value includes gravimetric uncertainty, homogeneity between-ampul uncertainty, storage stability uncertainty and shipping stability uncertainty and were combined using the following formula:

$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

RESTEK
110 Benner Circle
Bellefonte, PA 16823-8812
Tel: 1-814-353-1300
Fax: 1-814-353-1309

www.restek.com

10 vial

CERTIFIED REFERENCE MATERIAL

Rec 03/31/25

Certificate of Analysis

gravimetric

V14904 to V14913

ACCREDITED ISO 17034 Accredited Reference Material Producer Certificate #3222.01

ACCREDITED ISO/IEC 17025 Accredited Testing Laboratory Certificate #3222.02

FOR LABORATORY USE ONLY-READ SDS PRIOR TO USE.

This Reference Material is intended for Laboratory Use Only as a standard for the qualitative and/or quantitative determination of the analyte(s) listed.

Catalog No. : 555582 **Lot No.:** A0223904

Description : Custom 8260A/B Surrogate Mix

Custom 8260A/B Surrogate Mix 25,000µg/mL, P&T Methanol, 1mL/ampul

Container Size : 2 mL **Pkg Amt:** > 1 mL

Expiration Date : March 31, 2028 **Storage:** 10°C or colder

Ship: Ambient

CERTIFIED VALUES

Component #	Compound	CAS #	Lot #	Purity	Grav. Conc. (weight/volume)	Expanded Uncertainty * (95% C.L.; K=2)
1	1,2-Dichloroethane-d4	17060-07-0	PR-33313	99%	25,108.0 µg/mL	+/- 1,421.9957
2	1-Bromo-4-fluorobenzene (BFB)	460-00-4	0000268853	99%	25,108.0 µg/mL	+/- 1,421.9957
3	Dibromofluoromethane	1868-53-7	VENKAT02	99%	25,232.0 µg/mL	+/- 1,429.0184
4	Toluene-d8	2037-26-5	PR-34141	99%	25,156.0 µg/mL	+/- 1,424.7141

Solvent: P&T Methanol
CAS # 67-56-1
Purity 99%

Brittany Federinko - Operations Tech I

Date Mixed: 27-Mar-2025 **Balance:** B251644995

Manufactured under Restek's ISO 9001:2015 Registered Quality System Certificate #FM 80397

General Certified Reference Material Notes

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$$U_{combined\ uncertainty} = k\sqrt{u^2_{gravimetric} + u^2_{homogeneity} + u^2_{storage\ stability} + u^2_{shipping\ stability}}$$

  k is a coverage factor of 2, which gives a level of confidence of approximately 95%.

- The packaged amount is the minimum sample size for which uncertainty is valid. The ampuls are over-filled to ensure that the minimum packaged amount can be sufficiently transferred.

Manufacturing Notes:

- Concentration is based upon gravimetric preparation using either a balance whose calibration has been verified daily using NIST traceable weights, and/or dilutions with Class A glassware.

Handling Notes:

- Stability of the unopened product, when stored in compliance with the recommended conditions, is guaranteed through the expiration displayed on the product label and certificate. Contact Restek for additional opened product stability information, with the knowledge/understanding that open product stability is subject to the specific handling and environmental conditions to which the product is exposed. For your convenience Restek supplies deactivated vials with most standards packed in 2mL ampuls. Larger volume deactivated vials are available through Restek as a custom ordered item. Additionally, Restek sells DMDCS for the purpose of glassware deactivation as catalog number 31861, which includes complete instructions.
- If any undissolved material is visible inside the ampul, sonicate the unopened ampul until the material is completely dissolved.

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

Methanol
ULTRA RESI-ANALYZED
For Purge and Trap Analysis

Rec 05/09/25

avantor™ | J.T.Baker®

V14921 to
V14938

Material No.: 9077-02
Batch No.: 24G0262002
Manufactured Date: 2024-05-14
Expiration Date: 2027-05-14
Revision No.: 0

Certificate of Analysis

Test	Specification	Result
Assay (CH_3OH) (by GC, corrected for water)	≥ 99.9 %	100.0 %
Residue after Evaporation	≤ 1.0 ppm	0.3 ppm
Titrable Acid (µeq/g)	≤ 0.3	0.3
Titrable Base (µeq/g)	≤ 0.10	0.03
Water (by KF, coulometric)	≤ 0.08 %	< 0.01 %
Volatile Organic Trace Analysis – Below EPA 8260B CRQL	Conforms	Conforms

For Laboratory,Research,or Manufacturing Use
Performance Tested for Use in EPA Methods
500 Series for Drinking Water
600 Series for Wastewater
846 for Solid Waste

Country of Origin: USA
Packaging Site: Phillipsburg Mfg Ctr & DC

JCroak

Jamie Croak
Director Quality Operations, Bioscience Production

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www.absolutestandards.com

Certified Reference Material CRM

Rec 05/21/25

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.0149

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

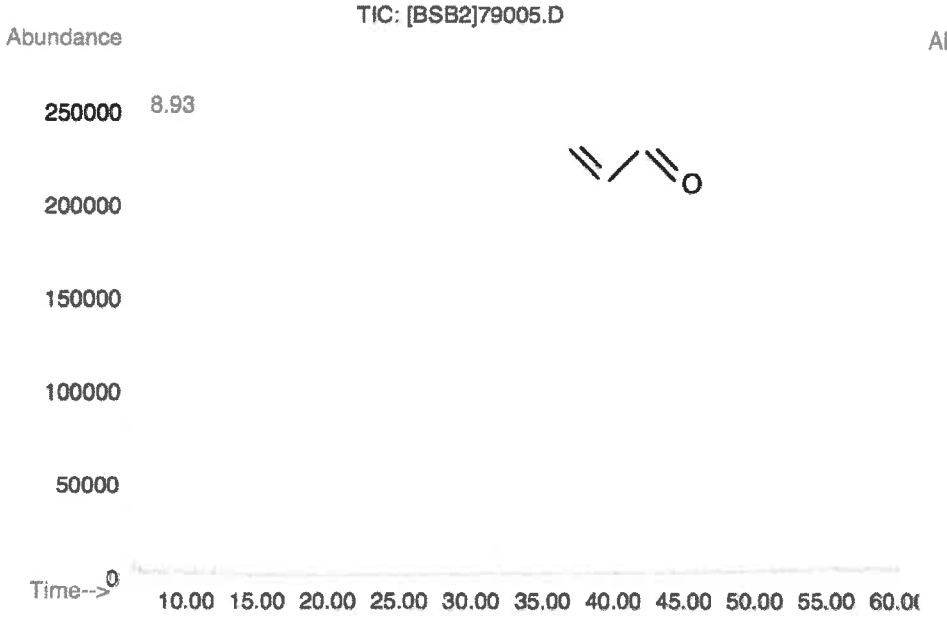
5E-05 Balance Uncertainty

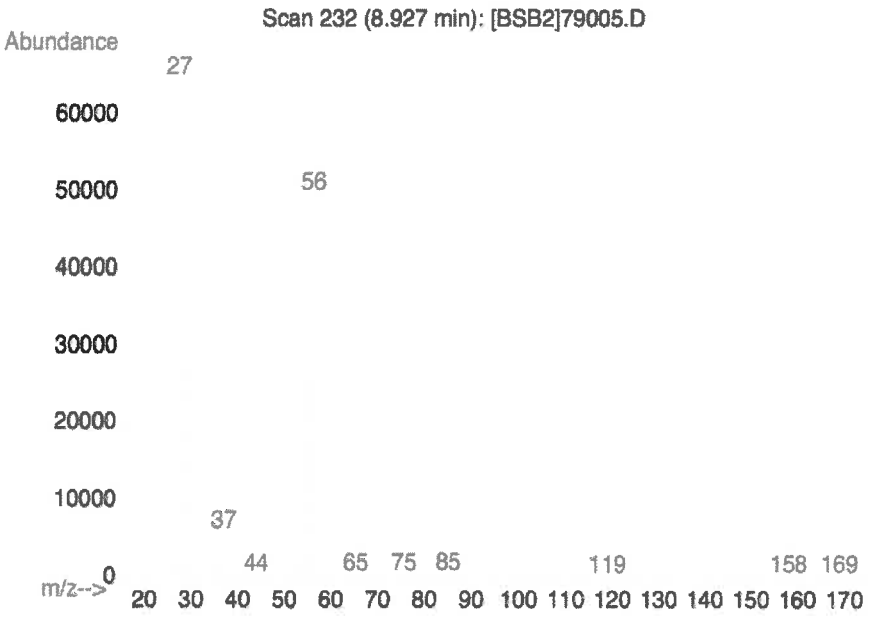
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Lawrence Barry	051925 DATE
Reviewed By:	Pedro L. Rentas	051925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





- **The certified value is the concentration calculated from gravimetric and volumetric measurements unless otherwise stated.**
- **Standards are prepared gravimetrically using balances that are calibrated by an ISO 17025 certified organization with weights traceable through NIST to the SI kilogram (see above).**
- **Standards are certified (+/-) 0.5% of the stated value, unless otherwise stated.**
- **All Standards, after opening ampule, should be stored with caps tight and under appropriate laboratory conditions.**
- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994). Rev 1.0, 2/25/2025**

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Certified Reference Material CRM

Rec 05/21/25

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AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.v19

Part Number:	**91980**
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): **Lot#**
Water 041725Q

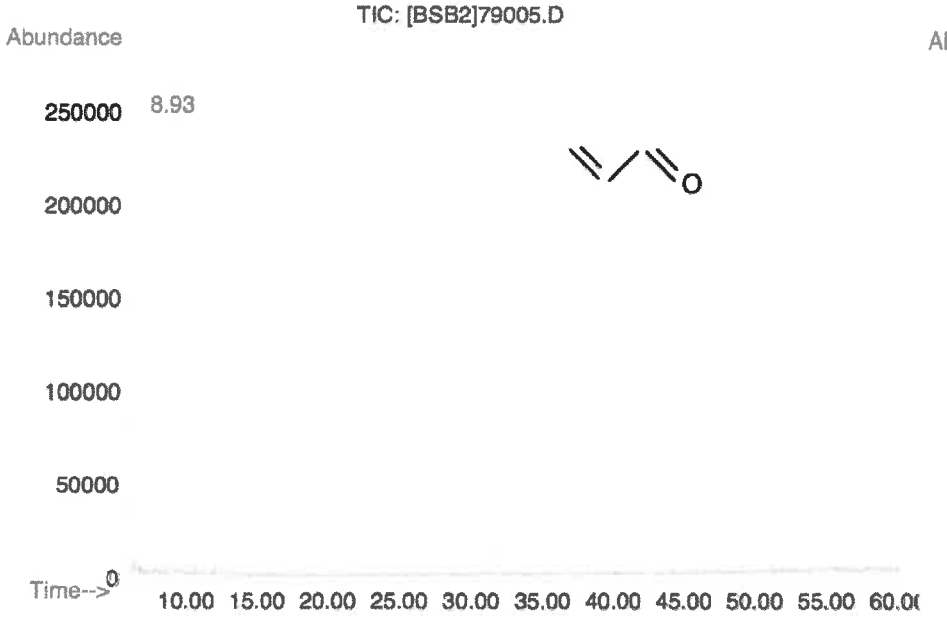
J14944-V14948

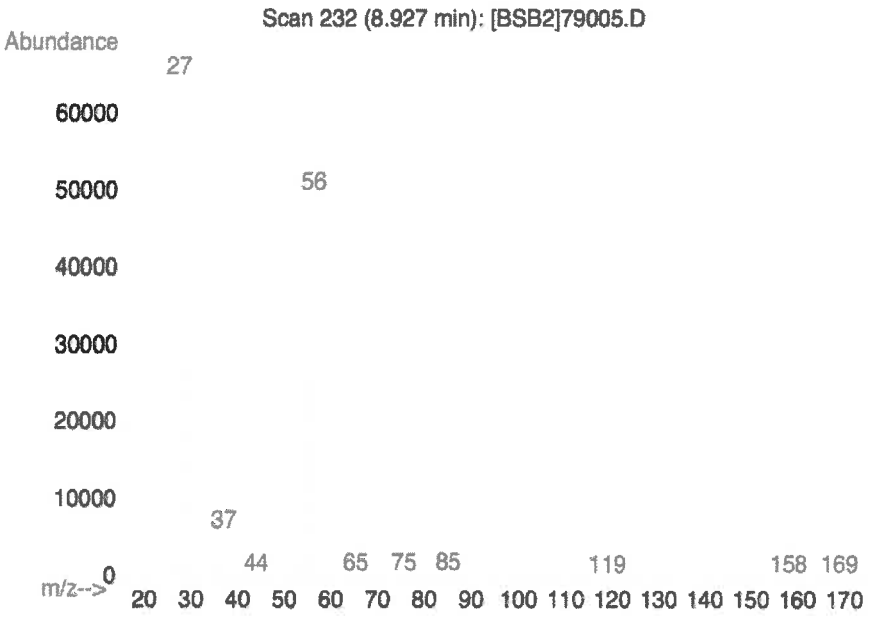
5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Lawrence Barry	051925 DATE
Reviewed By:	Pedro L. Rentas	051925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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CERTIFIED WEIGHT REPORT

5.0129

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

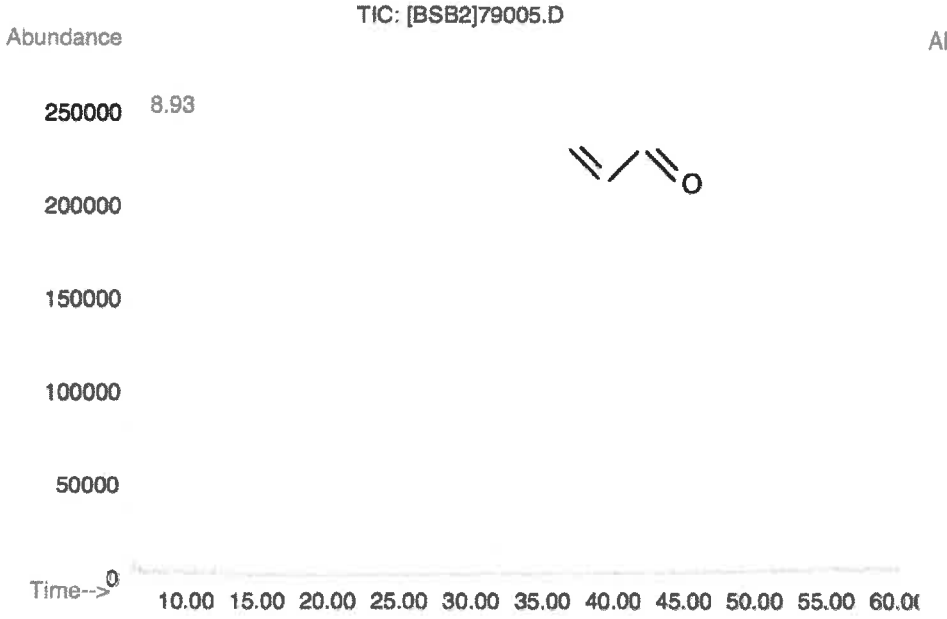
5E-05 Balance Uncertainty

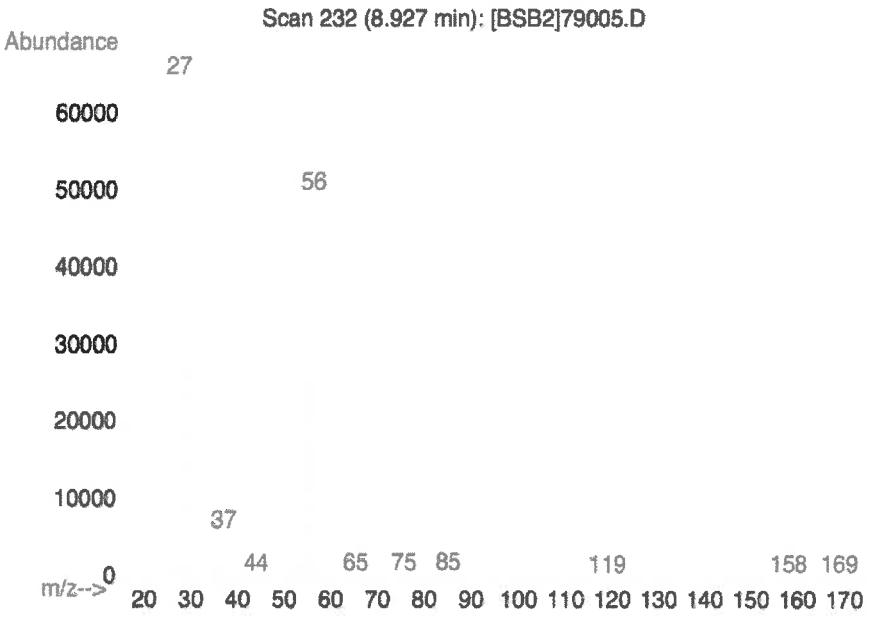
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Lawrence Barry	051925 DATE
Reviewed By:	Pedro L. Rentas	051925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05170	5004.1	52.5	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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- **Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994). Rev 1.0, 2/25/2025**

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Certified Reference Material CRM

Rec 05/21/25

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AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

5.0129

Part Number:	91980
Lot Number:	051925
Description:	Acrolein
Expiration Date:	061925
Recommended Storage:	Refrigerate (4 °C)
Nominal Concentration (µg/mL):	5000
NIST Test ID#:	6UTB

Solvent(s): Water **Lot#** 041725Q

J14944-V14948

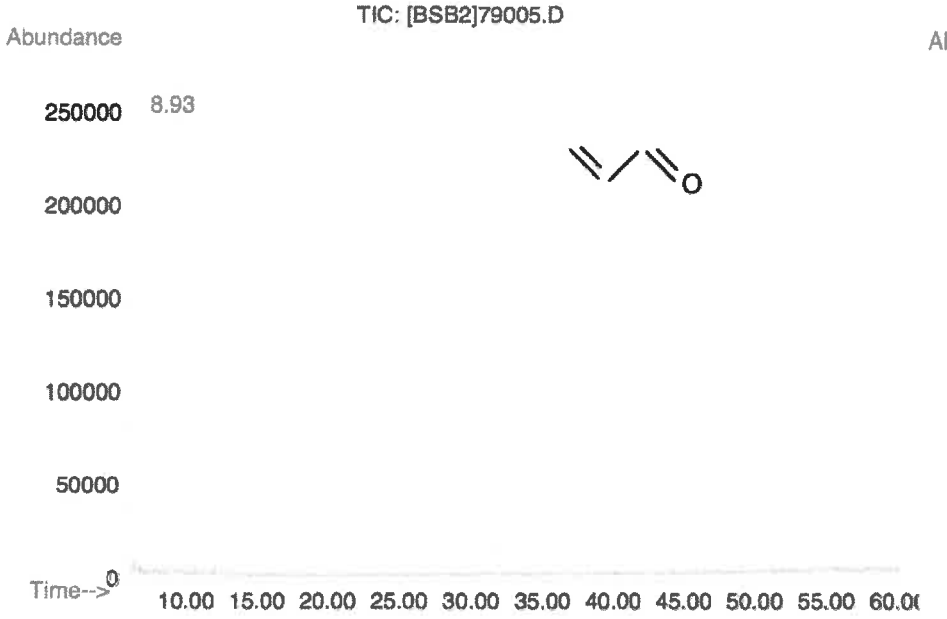
5E-05 Balance Uncertainty

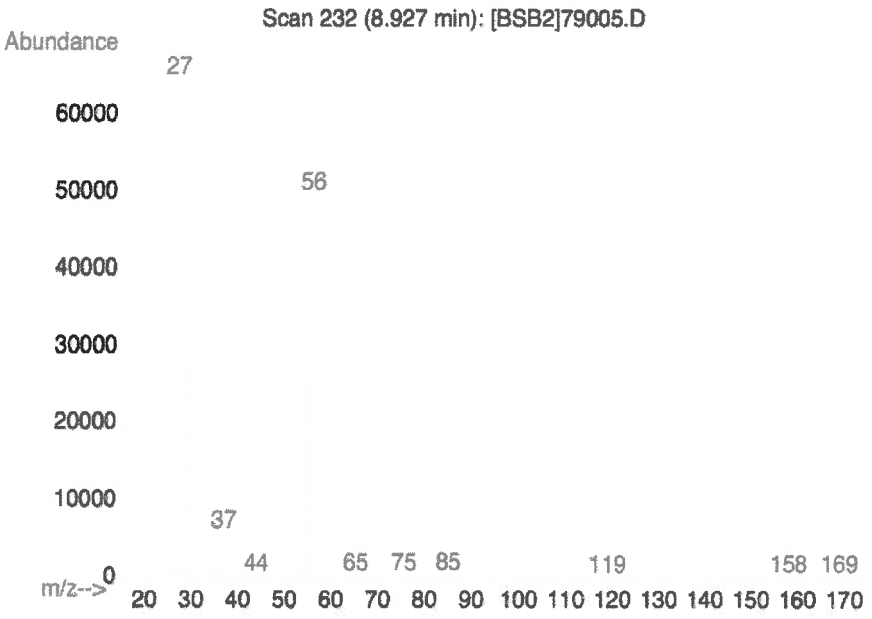
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Formulated By:	Lawrence Barry	051925 DATE
Reviewed By:	Pedro L. Rentas	051925 DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).
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Certified Reference Material CRM

Rec 07/17/25 5 vial

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 071625
Description: Acrolein

Expiration Date: 081625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 041725Q

V15050 to
V15054 ~~V15056~~
V15054

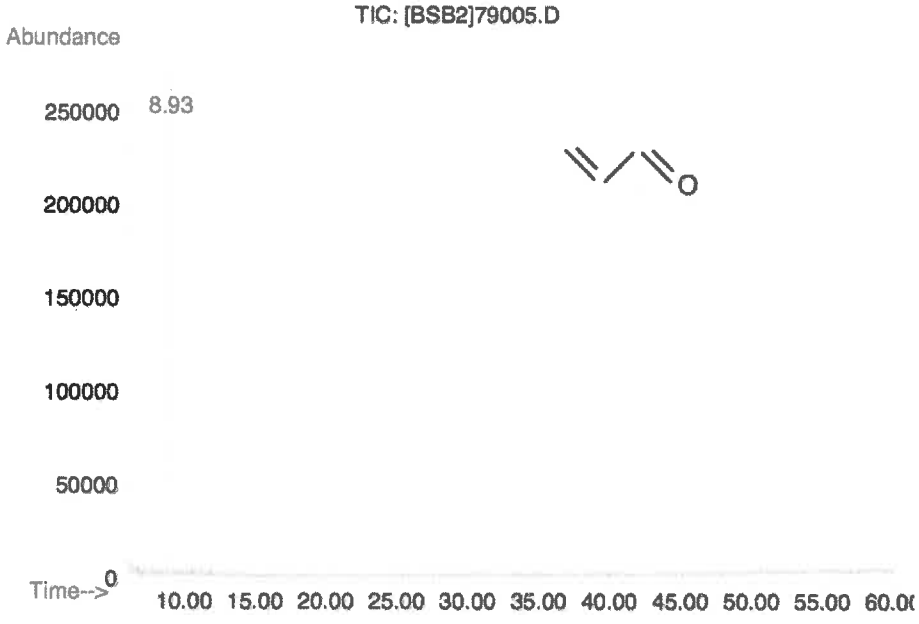
Gabriel Helland 071625
Formulated By: Gabriel Helland DATE

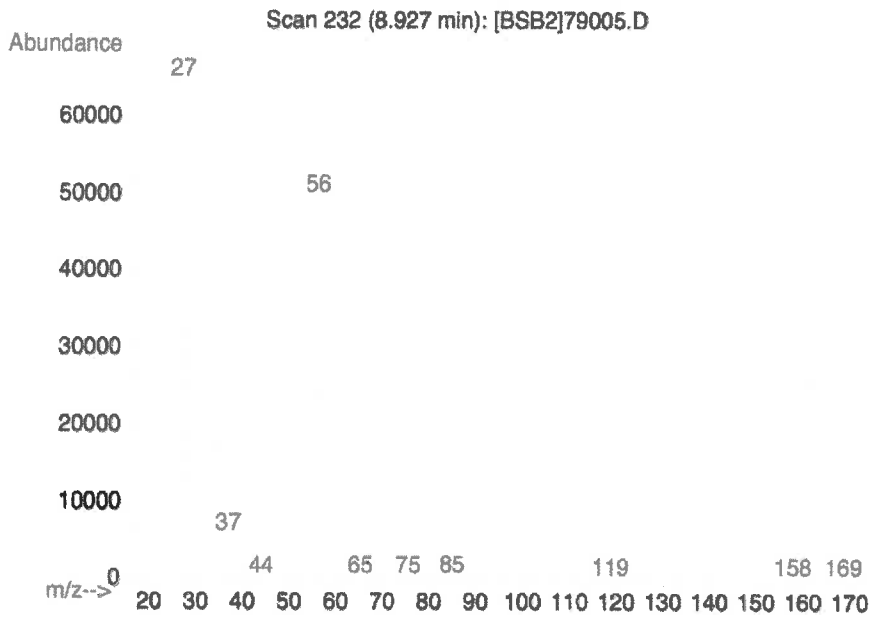
Pedro Rentas 071625
Reviewed By: Pedro L. Rentas DATE

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05181	5014.7	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.). Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Rev 1.0, 2/25/2025

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Certified Reference Material CRM

Rec 07/17/25 5 vial

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 071625
Description: Acrolein

Expiration Date: 081625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 041725Q

V15050 to
V15054 ~~V15056~~
V15054

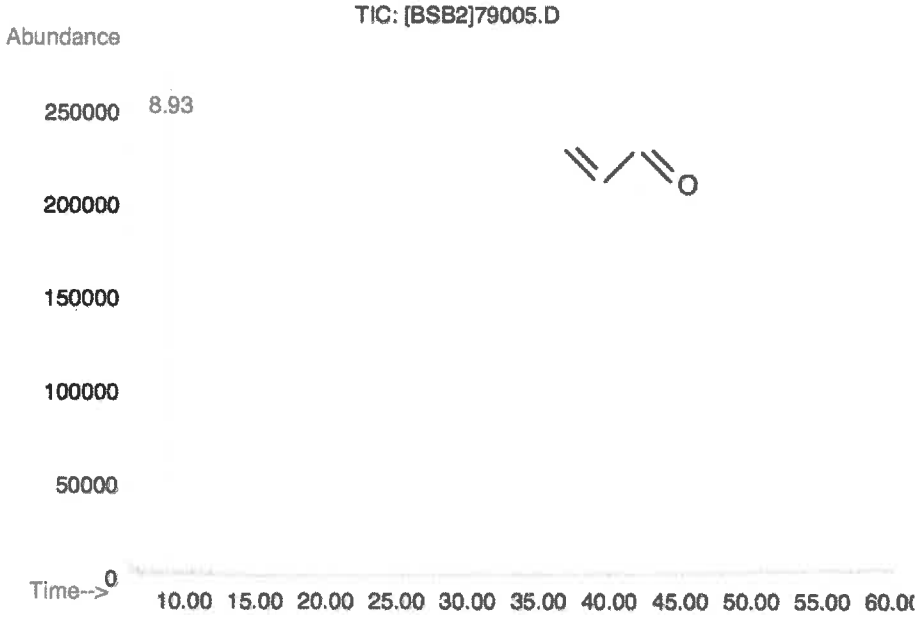
Weight(s) shown below were combined and diluted to (mL): 10.0 | 5E-05 Balance Uncertainty | 0.001 Flask Uncertainty

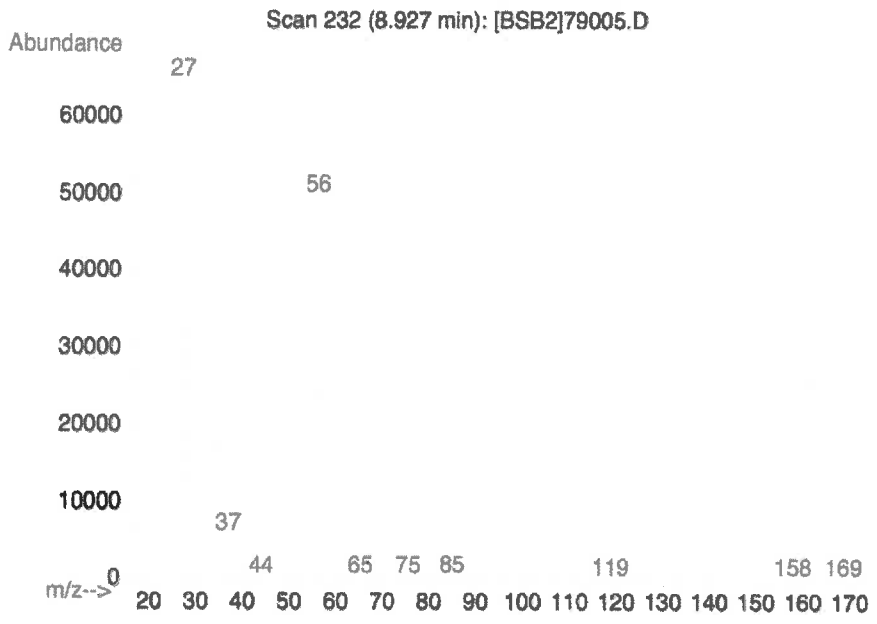
Gabriel Helland 071625
Formulated By: Gabriel Helland DATE

Pedro Rentas 071625
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
1. Acrolein	5	103755V10F	5000	97	0.5	0.05166	0.05181	5014.7	52.6	107-02-8	0.1 ppm	orl-rat 46mg/kg

Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.). Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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- Uncertainty Reference: Taylor, B.N. and Kuyat, C.E., "Guidelines for Evaluating and Expressing the Uncertainty of NIST Measurement Result," NIST Technical Note 1297, U.S. Government Printing Office, Washington, DC, (1994).

Rev 1.0, 2/25/2025

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Certified Reference Material CRM

Rec 07/17/25 5 vial

ANAB ISO 17034 Accredite
AR-1539 Certificate Number
https://Absolutestandards.co

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 071625
Description: Acrolein

Expiration Date: 081625
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

Solvent(s): **Lot#**
Water 041725Q

5E-05 Balance Uncertainty
Weight(s) shown below were combined and diluted to (mL): 10.0 0.001 Flask Uncertainty

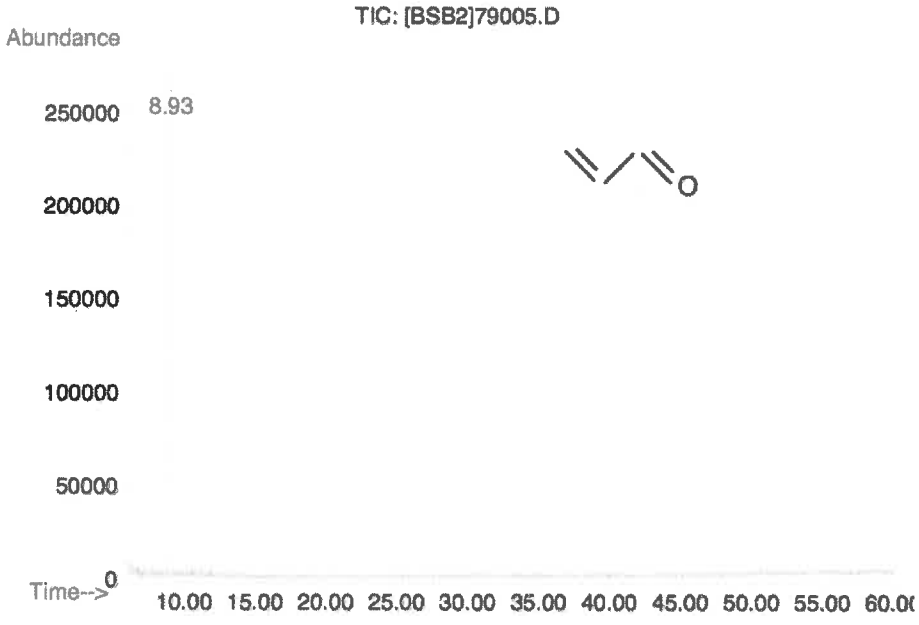
V15050 to
V15054 to
V15054

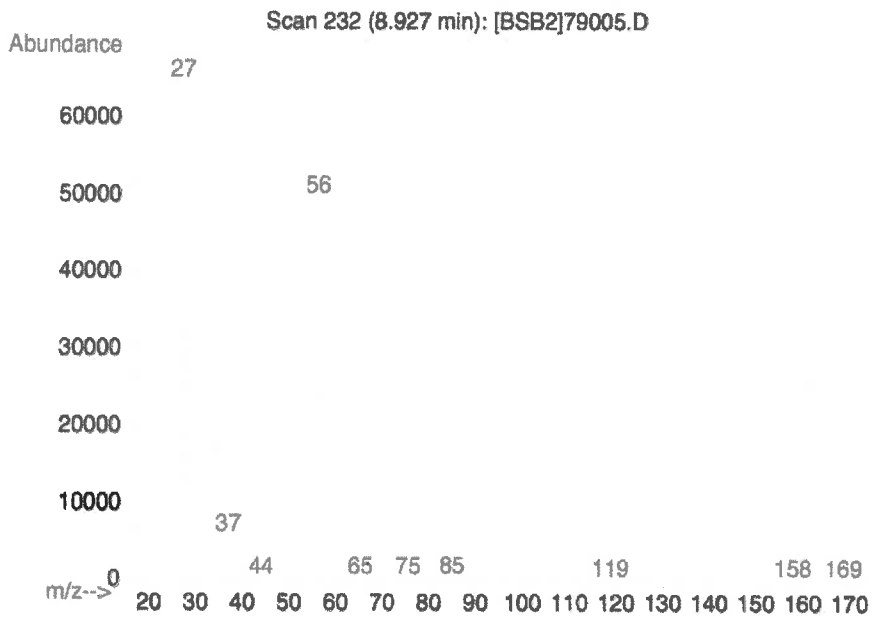
Gabriel Helland 071625
Formulated By: Gabriel Helland DATE

Pedro Rentas 071625
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.). Temp. 2=200°C (Time 2 = 8.75 min.) Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Rev 1.0, 2/25/2025

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www.absolutestandards.com

Certified Reference Material CRM

Rev 08/14/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 081325
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

J15057 to J15061

Expiration Date: 091325
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

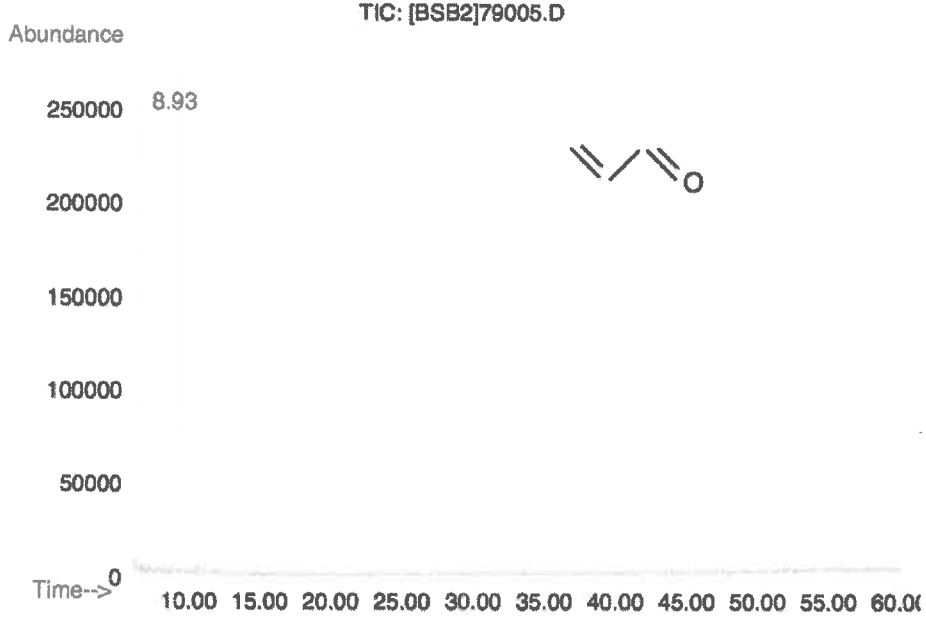
5E-05 Balance Uncertainty
0.001 Flask Uncertainty

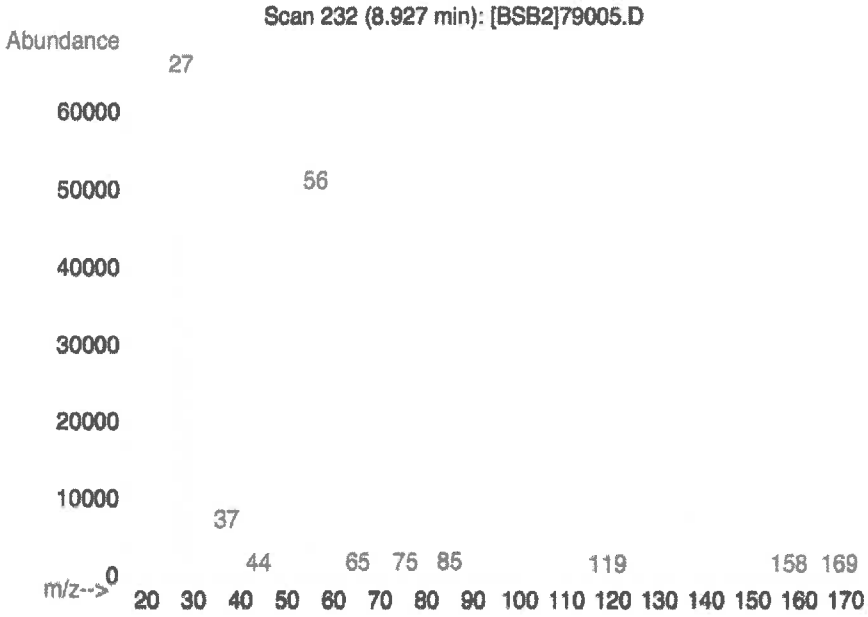
Weight(s) shown below were combined and diluted to (mL): 10.0

Eli Aliaga	081325
Formulated By: Eli Aliaga	DATE
Pedro Rentas	081325
Reviewed By: Pedro L. Rentas	DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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Method: GC6MSD-1. **Detector:** Mass Selective Detector (Scan mode). **Column:** Vocol (60m X 0.25mm ID X 1.5µm film thickness). **Oven Profile:** Temp. 1 = 35°C (Time 1 = 10min.), Temp. 2=200°C (Time 2 = 8.75 min.). Rate = 4°C/min., Injector Temp. = 200°C, Detector Temp. = 220°C. **Analyst:** Pedro Rentas. **NOTE:** Due to the instability of acrolein in solution, all solutions of acrolein, and any dilutions thereof, should be used immediately Long term storage is not recommended. Please contact our technical department if further information is required.





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Certified Reference Material CRM

Rev 08/14/25 5 vial

ANAB ISO 17034 Accredited
AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 081325
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

V15057 to V15061

Expiration Date: 091325
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

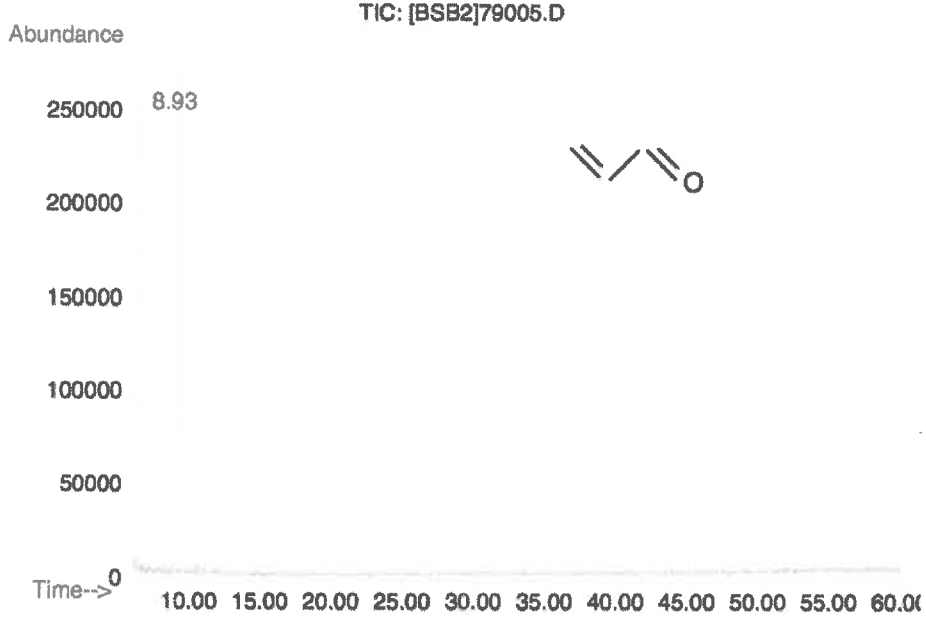
Weight(s) shown below were combined and diluted to (mL): 10.0

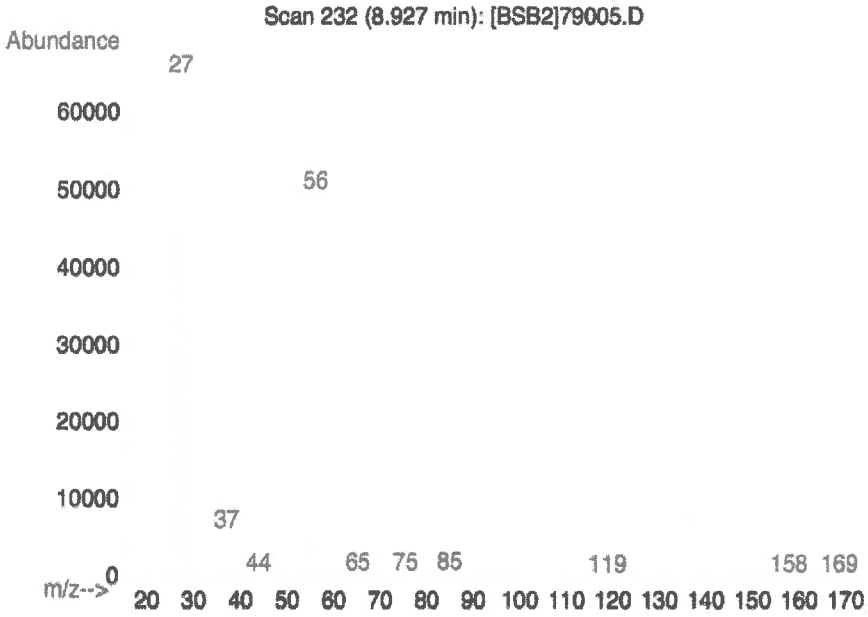
Eli Aliaga 081325
Formulated By: Eli Aliaga DATE

Pedro Rentas 081325
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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AR-1539 Certificate Number
https://Absolutestandards.com

CERTIFIED WEIGHT REPORT

Part Number: 91980
Lot Number: 081325
Description: Acrolein

Solvent(s): Water **Lot#** 041725Q

V15057 to V15061

Expiration Date: 091325
Recommended Storage: Refrigerate (2°C to 8°C)
Nominal Concentration (µg/mL): 5000
NIST Test ID#: 6UTB

5E-05 Balance Uncertainty
0.001 Flask Uncertainty

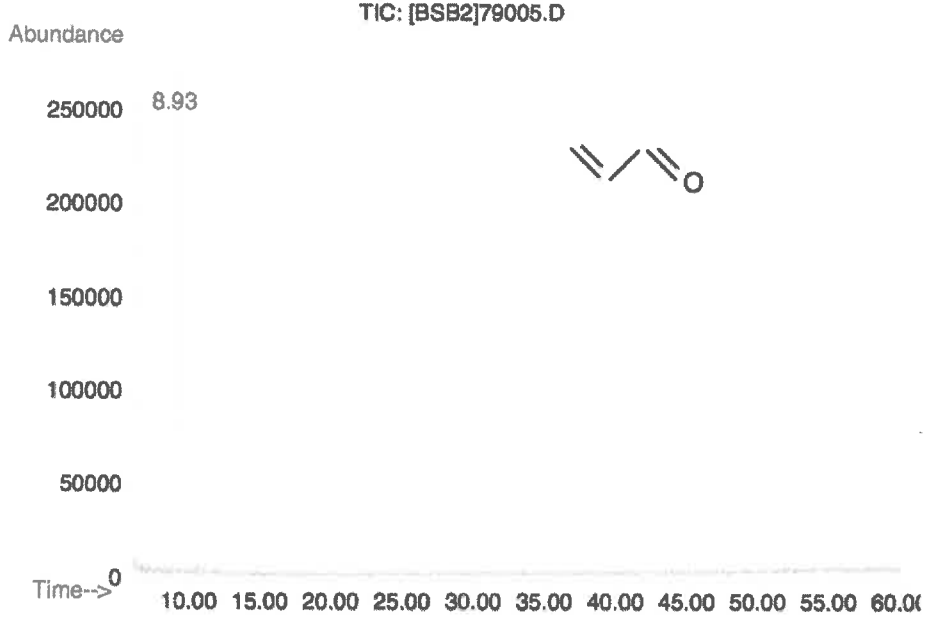
Weight(s) shown below were combined and diluted to (mL): 10.0

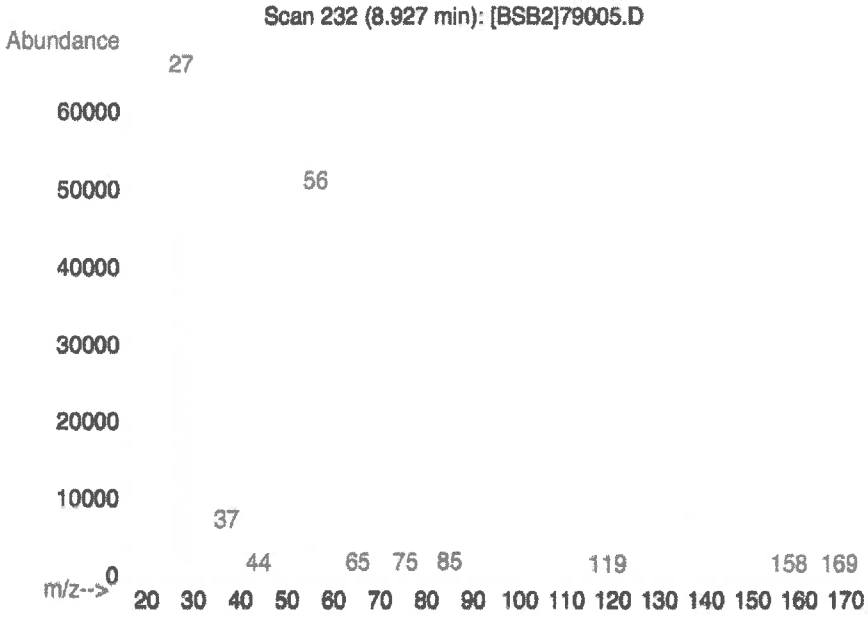
Eli Aliaga 081325
Formulated By: Eli Aliaga DATE

Pedro Rentas 081325
Reviewed By: Pedro L. Rentas DATE

Compound	RM#	Lot Number	Nominal Conc (µg/mL)	Purity (%)	Uncertainty Purity	Target Weight(g)	Actual Weight(g)	Actual Conc (µg/mL)	Expanded Uncertainty (+/-) (µg/mL)	SDS Information (Solvent Safety Info. On Attached pg.) CAS#	OSHA PEL (TWA)	LD50
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Rev 1.0, 2/25/2025

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. Q2814
COC Number 2045325

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: First Environment Inc
ADDRESS: 10 Park Place
CITY Butler STATE: NJ ZIP: 07405
ATTENTION: Al Smith
PHONE: 973-334-0003 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: USACE FIMP
PROJECT NO.: USACE 018-44 LOCATION: Long Island
PROJECT MANAGER: Al Smith
e-mail: AlSmith@FirstEnvironment
PHONE: 973-334-0003 FAX:

CLIENT BILLING INFORMATION

BILL TO: Same PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ 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 _____
☒ EDD FORMAT _____

ANALYSIS

1: VOC 2: SVOC 3: Metals 4: Pest 5: PCB 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.	TW-84S-G	GW		X	8/5/25	01:52	3	2	1		1	1					
2.	TW-17M-N	GW		X	8/5/25	05:17	3	2	1								
3.	TW-17M-W	GW		X	8/5/25	04:51	8	2	3	3							
4.	TW-82H-N	GW		X	8/6/25	02:00	3	2	1								
5.	TW-82M-E	GW		X	8/6/25	12:30	3	2	1								
6.	TW-82H-S	GW		X	8/6/25	01:00	3	2	1								
7.	TW-82H-W	GW		X	8/6/25	01:15	3	2	1								
8.	TW-38M-E	GW		X	8/6/25	10:49	3	2	1								
9.	TW-38M-W	GW		X	8/6/25	11:33	3	2	1								
10.	TW-38M-N	GW		X	8/6/25	22:10	3	2	1								

PRESERVATIVES

← 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. GMC	8/8/25 6:01	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☒ COOLER TEMP 3.6 °C
Comments:

Page ____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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WHITE - ALLIANCE COPY FOR RETURN TO CLIENT YELLOW - ALLIANCE COPY PINK - SAMPLER COPY

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www.chemtech.net

ALLIANCE PROJECT NO.
QUOTE NO. Q2814
COC Number 2045326

CLIENT INFORMATION (REPORT TO BE SENT TO:)
COMPANY:
ADDRESS:
CITY STATE: ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION
PROJECT NAME:
PROJECT NO.: LOCATION:
PROJECT MANAGER:
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION
BILL TO: PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION
FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): _____ DAYS*
EDD: _____ 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 _____
❑ EDD FORMAT _____

ANALYSIS
1: VOC 2: SVOC 3. Metals 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.	TW-38M-S	GW		4	8/4/25	0946	3	3	1								
2.	TW-BP-S	GW		X	8/4/25	1810	3	2	1								
3.	TW-BP-N	GW		4	8/4/25	1810	3	2	1								
4.	TW-BP-E	GW		4	8/4/25	1735	3	2	1								
5.	TW-BP-W	GW		4	8/4/25	1640	3	2	1								
6.	FB	GW		4	8/4/25	1810	3	2	1								
7.	TW-518R-S	GW		4	8/5/25	1027	3	2	1								
8.	TW-518R-N	GW		4	8/5/25	1037	3	2	1								
9.	TW-518R-E	GW		4	8/5/25	1047	3	2	1								
10.	TW-518R-W	GW		4	8/5/25	1057	3	2	1								

PRESERVATIVES: ← 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. GME	6:01	1. 8-8-25
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ❑ COMPLIANT ❑ NON COMPLIANT COOLER TEMP 5.9 °C
Comments:

Page _____ of

CLIENT: ❑ Hand Delivered ❑ Other

Shipment Complete ❑ YES ❑ NO

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From: Yazmeen Gomez
Sent: Monday, August 11, 2025 2:55 PM
To: 'Daniel Ligon'
Cc: 'Alfred Smith'; Jordan Hedvat
Subject: RE: Bottleware Order - USACE018-44
Attachments: q2815.pdf; q2814.pdf

Good afternoon,

A few things -

- Below mentions Filtered and Unfiltered for 8 GW samples, however, we only received three unpreserved metals bottles - TW-84SB-E, TW-17M-W, and TW-11M-W.
- 8 samples not listed on the COC were received – TW-17M-E, TW-17M-S, TW-84SB-S, TW-84SB-W, TW-11M-W, TW-11M-E, TW-11M-S, TW-11M-N.
- PCB and PESTICIDE are not mentioned the GW COC's however, I went off the below request and do have PEST and PCB logged for some of the samples.
- Once I sign off the login summaries will be sent to you – please confirm everything looks good, or if anything needs to be updated.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Sent: Friday, August 1, 2025 11:03 AM
To: Jordan Hedvat <Jordan.Hedvat@AllianceTG.com>; Daniel Ligon <DLigon@firstenvironment.com>
Cc: Alfred Smith <asmith@firstenvironment.com>
Subject: RE: Bottleware Order - USACE018-44

Hi Daniel,

Bottle order delivery for today confirmed.

Best Regards,

Yazmeen Gomez
Sr. Project Manager
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3147
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Sent: Friday, August 1, 2025 8:14 AM
To: Daniel Ligon <DLigon@firstenvironment.com>
Cc: Alfred Smith <asmith@firstenvironment.com>; Yazmeen Gomez <Yazmeen.Gomez@alliancetg.com>
Subject: Re: Bottleware Order - USACE018-44

Hi Daniel,

We will process the bottle order for delivery. Do you need TeraCore or Encores for VOC soil? If not we will provide jars for those tests as well. Please reach out if we can help with anything else.

Regards,

Jordan

Jordan Hedvat
Account Executive, Environmental Laboratories
An Alliance Technical Group Company
Main: 908-789-8900
Direct: 908-728-3144
Address: 284 Sheffield St, Ste 1, Mountainside, NJ 07092
www.alliancetg.com

From: Daniel Ligon <DLigon@firstenvironment.com>
Sent: Thursday, July 31, 2025 4:53 PM
To: Jordan Hedvat <Jordan.Hedvat@alliancetg.com>
Cc: Alfred Smith <asmith@firstenvironment.com>
Subject: Bottleware Order - USACE018-44

EXTERNAL EMAIL - This email was sent by a person from outside your organization. Exercise caution when clicking links, opening attachments or taking further action, before validating its authenticity.

Secured by Check Point

Hi Jordan – I have a bottleware order for some sampling we have next week in Long Island, NY. We'd like to have this delivered tomorrow if possible – sorry for the late email. First thing Monday morning would work as well for delivery to our office in Butler. See the following for # of samples we need with the parameters:

- 48x soil VOCs via EPA Method 8260
- 48x soil SVOCs via EPA Method 8270

- 8x soil Pesticides/PCBs via EPA Methods 8081/8082
- 8x soil TAL Metals (filtered and unfiltered)
- 48x groundwater VOCs via EPA Method 8260
- 48x groundwater SVOCs via EPA Method 8270
- 8x groundwater Pesticides/PCBs via EPA Methods 8081/8082
- 8x groundwater TAL Metals (filtered and unfiltered)
- 3 soil, 3 groundwater field duplicates
- 6 field blanks
- Trip blanks in every cooler

Let me know if this can be accommodated. Thanks!

Daniel Ligon
Environmental Specialist

First Environment, Inc.
10 Park Place, Bldg 1A, Suite 504
Butler, NJ 07405
Ph: 973-334-0003 ext. 224
Cell: 973-873-8515
DLigon@firstenvironment.com
www.firstenvironment.com

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2814 FIRS02
Client Name : First Environment, Inc.
Client Contact : Al Smith
Invoice Name : First Environment, Inc.
Invoice Contact : Al Smith

Order Date : 8/11/2025 10:31:02 AM
Project Name : USACE018-44 DOD
Receive DateTime : ~~8/11/2025~~ 6:01:00 PM
Purchase Order : 8/8/2025

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2814-01	TW-84SB-E	Water	08/05/2025	~~01:52~~ 01:32	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-02	TW-17M-N	Water	08/05/2025	05:17	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-03	TW-17M-W	Water	08/05/2025	04:51	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-04	TW-82H-N	Water	08/06/2025	02:00	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-05	TW-82H-E	Water	08/06/2025	12:30	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-06	TW-82H-S	Water	08/06/2025	01:00	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-07	TW-82H-W	Water	08/06/2025	01:15	VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-08	TW-38M-E	Water	08/06/2025	10:49					

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EDD Type : EQUIS
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		8260-Low	10 Bus. Days		
Q2814-09	TW-38M-W	Water	08/06/2025	10:33						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
Q2814-10	TW-38M-N	Water	08/06/2025	~~12:10~~ 10:10						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
Q2814-11	TW-38M-S	Water	08/06/2025	09:46						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
Q2814-12	TW-BP-S	Water	08/04/2025	18:10						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
Q2814-13	TW-BP-N	Water	08/04/2025	18:10						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
Q2814-14	TW-BP-E	Water	08/04/2025	17:35						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		
Q2814-15	TW-BP-W	Water	08/04/2025	16:40						
					VOC-TCLVOA-10		8260-Low	10 Bus. Days		

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LOGIN REPORT/SAMPLE TRANSFER

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Order Date : 8/11/2025 10:31:02 AM
Project Name : USACE018-44 DOD
Receive DateTime : ~~8/11/2025~~ 6:01:00 PM
Purchase Order : 8/8/2025

Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2814-16	FB	Water	08/04/2025	18:10					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-17	~~TW518R-S~~ TW-518R-S	Water	08/05/2025	10:27					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-18	TW-518R-N	Water	08/05/2025	10:37					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-19	TW-518R-E	Water	08/05/2025	10:47					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-20	TW-518R-W	Water	08/05/2025	10:57					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days
Q2814-21	TB	Water	08/08/2025	00:00					
					VOC-TCLVOA-10		8260-Low		10 Bus. Days

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

DP 08/16/2025

LOGIN REPORT/SAMPLE TRANSFER

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Client Name : First Environment, Inc.
Client Contact : Al Smith
Invoice Name : First Environment, Inc.
Invoice Contact : Al Smith

Order Date : 8/11/2025 10:31:02 AM
Project Name : USACE018-44 DOD
Receive DateTime : ~~8/11/2025~~ 6:01:00 PM
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Project Mgr :
Report Type : Level 4
EDD Type : EQUIS
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES

stored in VOA
Ref # 04

Relinguished By :
Date / Time : 8/11/25 11:56

Received By :
Date / Time : 8/11/25 12:05 pm

Storage Area : VOA Refridgerator Room

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.562	168	337975	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	6.769	114	582229	50.000	ug/l		0.00
63) Chlorobenzene-d5	10.055	117	522701	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	266871	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	5.971	65	4393	1.043	ug/l		0.00
Spiked Amount 50.000	Range 78 - 117		Recovery =	2.080%#			
35) Dibromofluoromethane	5.404	113	1613	0.449	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.900%#			
50) Toluene-d8	8.653	98	10718	0.921	ug/l		0.00
Spiked Amount 50.000	Range 92 - 112		Recovery =	1.840%#			
62) 4-Bromofluorobenzene	11.085	95	4514	0.900	ug/l		0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	1.800%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.185	85	3490	0.777	ug/l		87
3) Chloromethane	1.307	50	3931	0.885	ug/l	#	86
4) Vinyl Chloride	1.392	62	3909	0.819	ug/l		94
5) Bromomethane	1.630	94	2678	1.033	ug/l		100
6) Chloroethane	1.709	64	3698	1.180	ug/l		95
7) Trichlorofluoromethane	1.910	101	5767	0.810	ug/l		91
8) Diethyl Ether	2.154	74	2227	0.887	ug/l		93
9) 1,1,2-Trichlorotrifluo...	2.349	101	3769	0.879	ug/l		98
10) Methyl Iodide	2.471	142	3182	0.728	ug/l		99
11) Tert butyl alcohol	2.959	59	3574	Below Cal		#	72
12) 1,1-Dichloroethene	2.343	96	3739	0.880	ug/l		94
13) Acrolein	2.252	56	3349	3.694	ug/l		92
14) Allyl chloride	2.684	41	6361	0.829	ug/l		86
15) Acrylonitrile	3.087	53	7013	3.493	ug/l		86
16) Acetone	2.392	43	9071	5.378	ug/l	#	88
17) Carbon Disulfide	2.532	76	11039	0.898	ug/l	#	91
18) Methyl Acetate	2.715	43	4440	0.991	ug/l	#	68
19) Methyl tert-butyl Ether	3.130	73	11087	0.858	ug/l		98
20) Methylene Chloride	2.800	84	4289	0.924	ug/l	#	91
21) trans-1,2-Dichloroethene	3.111	96	3590	0.826	ug/l	#	92
22) Diisopropyl ether	3.776	45	12222	0.828	ug/l		92
23) Vinyl Acetate	3.739	43	45048	3.805	ug/l		100
24) 1,1-Dichloroethane	3.629	63	7054	0.859	ug/l	#	94
25) 2-Butanone	4.617	43	10725	4.367	ug/l		99
26) 2,2-Dichloropropane	4.495	77	5905	0.929	ug/l		88
27) cis-1,2-Dichloroethene	4.501	96	4527	0.880	ug/l		84
28) Bromochloromethane	4.916	49	3092	0.819	ug/l	#	98
29) Tetrahydrofuran	5.032	42	6164	3.890	ug/l	#	87
30) Chloroform	5.111	83	7976	0.955	ug/l		86
31) Cyclohexane	5.483	56	6563	0.834	ug/l		96
32) 1,1,1-Trichloroethane	5.397	97	6496	0.895	ug/l	#	51
36) 1,1-Dichloropropene	5.708	75	6705	1.094	ug/l	#	87
37) Ethyl Acetate	4.751	43	3241	0.600	ug/l	#	71
38) Carbon Tetrachloride	5.696	117	6120	0.936	ug/l		96
39) Methylcyclohexane	7.379	83	6794	0.888	ug/l		90
40) Benzene	6.050	78	15450	0.871	ug/l		91

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.971	41	2166	0.734 ug/l #	74
42) 1,2-Dichloroethane	6.105	62	5449	0.872 ug/l	98
43) Isopropyl Acetate	6.367	43	6134	0.697 ug/l #	94
44) Trichloroethene	7.147	130	4075	0.896 ug/l	62
45) 1,2-Dichloropropane	7.440	63	3895	0.877 ug/l	93
46) Dibromomethane	7.592	93	2372	0.762 ug/l	88
47) Bromodichloromethane	7.830	83	5749	0.867 ug/l #	87
48) Methyl methacrylate	7.714	41	2771	0.578 ug/l	94
49) 1,4-Dioxane	7.684	88	542	9.937 ug/l #	44
51) 4-Methyl-2-Pentanone	8.580	43	21616	4.131 ug/l	95
52) Toluene	8.726	92	8872	0.814 ug/l	96
53) t-1,3-Dichloropropene	8.994	75	4993	0.798 ug/l	93
54) cis-1,3-Dichloropropene	8.379	75	5149	0.751 ug/l #	73
55) 1,1,2-Trichloroethane	9.153	97	3490	0.853 ug/l #	88
56) Ethyl methacrylate	9.128	69	3978	0.657 ug/l	91
57) 1,3-Dichloropropane	9.311	76	6170	0.868 ug/l #	88
58) 2-Chloroethyl Vinyl ether	8.251	63	11010	3.268 ug/l	98
59) 2-Hexanone	9.439	43	11200	3.240 ug/l	87
60) Dibromochloromethane	9.525	129	3998	0.834 ug/l	91
61) 1,2-Dibromoethane	9.616	107	3885	0.909 ug/l	98
64) Tetrachloroethene	9.275	164	3363	0.892 ug/l #	90
65) Chlorobenzene	10.080	112	10754	0.878 ug/l #	80
66) 1,1,1,2-Tetrachloroethane	10.165	131	3699	0.897 ug/l #	64
67) Ethyl Benzene	10.195	91	18959	0.886 ug/l	100
68) m/p-Xylenes	10.299	106	14496	1.809 ug/l	94
69) o-Xylene	10.640	106	6125	0.804 ug/l	91
70) Styrene	10.659	104	10704	0.819 ug/l	93
71) Bromoform	10.799	173	2687	0.858 ug/l #	97
73) Isopropylbenzene	10.964	105	16971	0.806 ug/l	100
74) N-amyl acetate	10.848	43	4913	0.585 ug/l #	89
75) 1,1,2,2-Tetrachloroethane	11.213	83	5223	0.868 ug/l	96
76) 1,2,3-Trichloropropane	11.244	75	5532	1.120 ug/l	88
77) Bromobenzene	11.201	156	4251	0.842 ug/l	94
78) n-propylbenzene	11.305	91	20259	0.805 ug/l	99
79) 2-Chlorotoluene	11.366	91	12959	0.862 ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	14083	0.810 ug/l	98
81) trans-1,4-Dichloro-2-b...	11.024	75	1181	0.616 ug/l #	88
82) 4-Chlorotoluene	11.457	91	14521	0.827 ug/l	97
83) tert-Butylbenzene	11.713	119	14652	0.839 ug/l	97
84) 1,2,4-Trimethylbenzene	11.750	105	13354	0.770 ug/l	98
85) sec-Butylbenzene	11.890	105	17765	0.814 ug/l	95
86) p-Isopropyltoluene	12.006	119	14016	0.775 ug/l	89
87) 1,3-Dichlorobenzene	11.969	146	8335	0.869 ug/l	97
88) 1,4-Dichlorobenzene	11.969	146	8335	0.857 ug/l	95
89) n-Butylbenzene	12.329	91	14116	0.832 ug/l	95
90) Hexachloroethane	12.536	117	2772	0.857 ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	8184	0.892 ug/l	95
92) 1,2-Dibromo-3-Chloropr...	12.945	75	749	0.649 ug/l	92
93) 1,2,4-Trichlorobenzene	13.591	180	4906	0.810 ug/l	98
94) Hexachlorobutadiene	13.725	225	1785	0.866 ug/l	98
95) Naphthalene	13.780	128	12647	0.712 ug/l	97
96) 1,2,3-Trichlorobenzene	13.963	180	4936	0.846 ug/l	95

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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

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

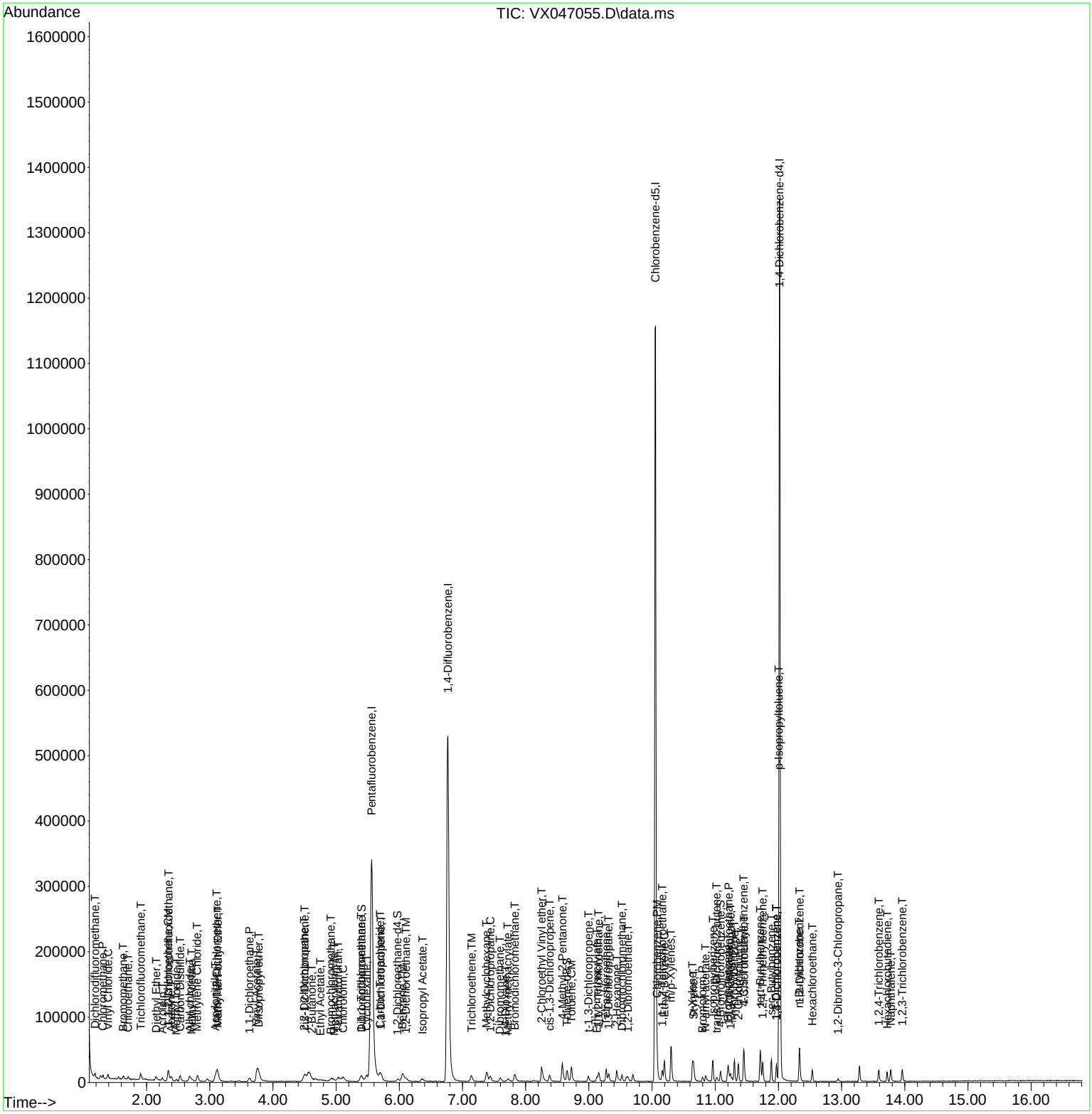
(#) = qualifier out of range (m) = manual integration (+) = signals summed

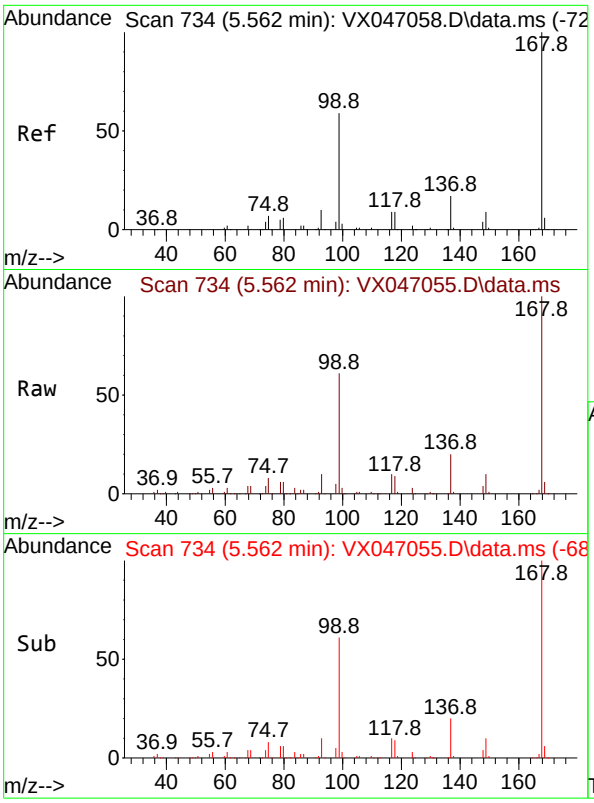
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

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



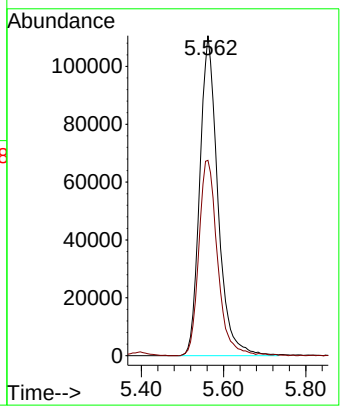


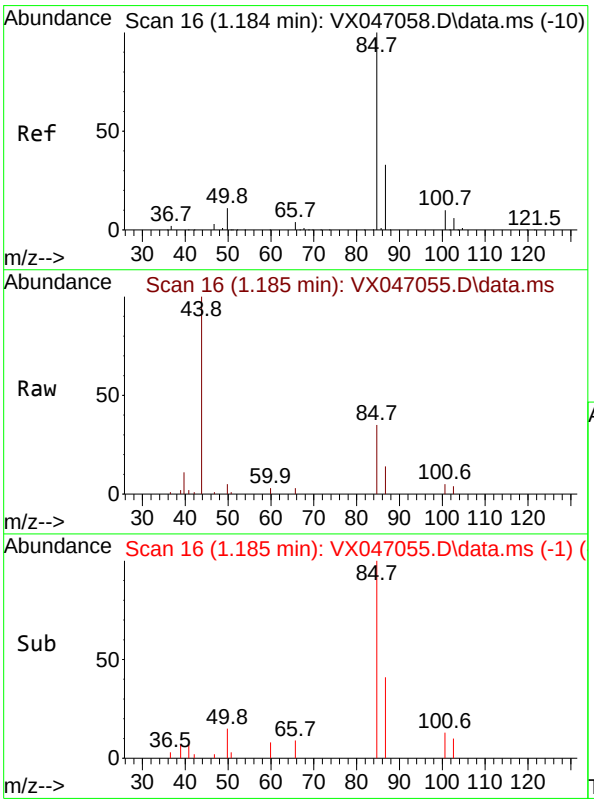
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:168 Resp: 337975

Ion	Ratio	Lower	Upper
168	100		
99	61.0	48.0	72.0

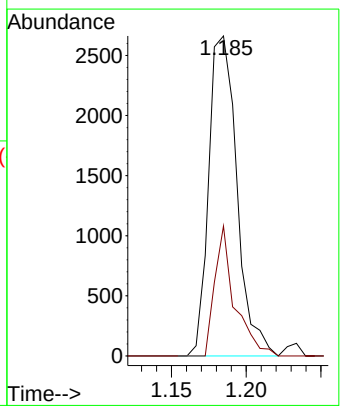


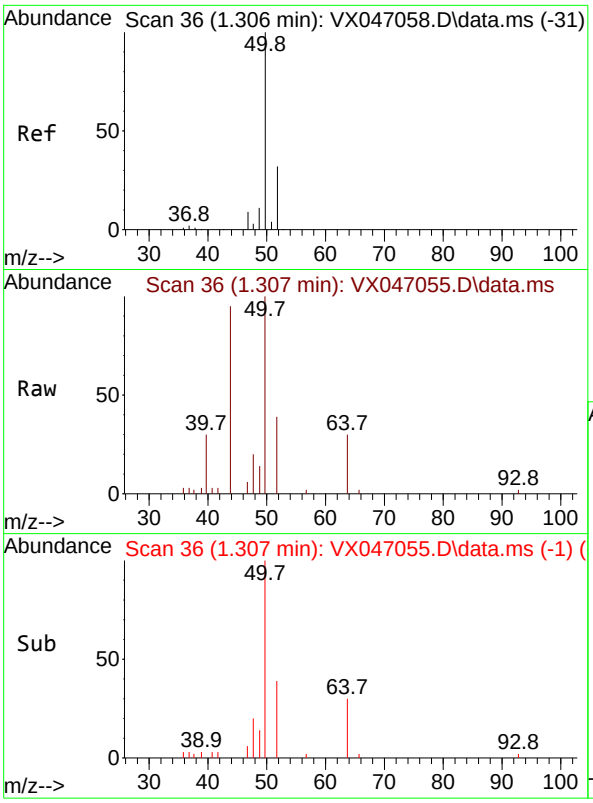


#2
Dichlorodifluoromethane
Concen: 0.777 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 85 Resp: 3490

Ion	Ratio	Lower	Upper
85	100		
87	40.6	16.6	49.8



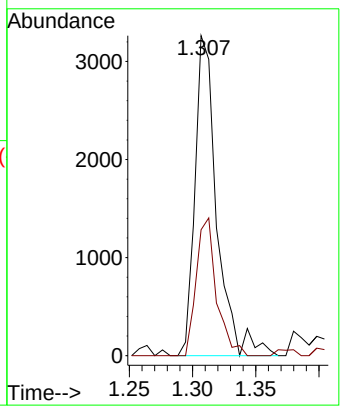


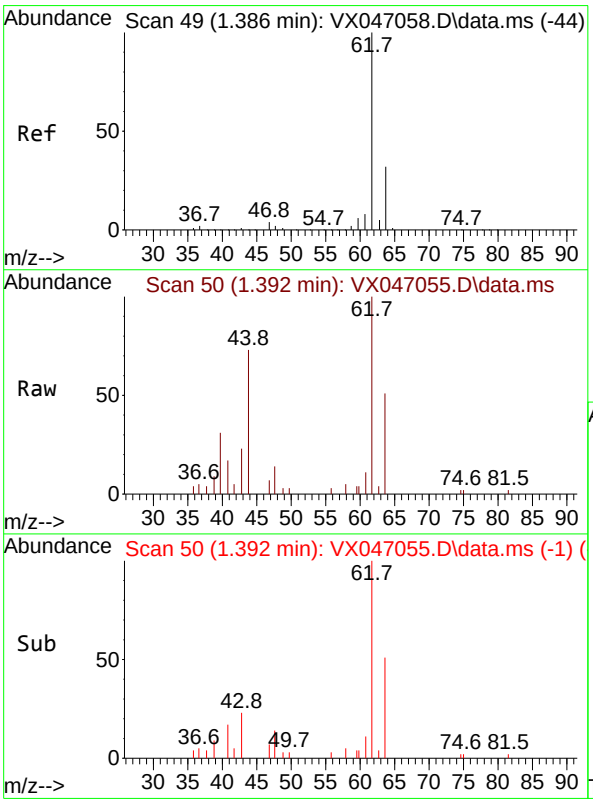
#3
Chloromethane
Concen: 0.885 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 50 Resp: 3931

Ion	Ratio	Lower	Upper
50	100		
52	39.4	25.4	38.2#

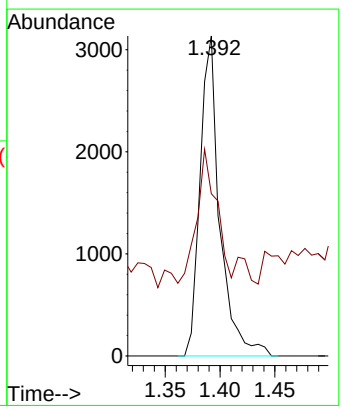


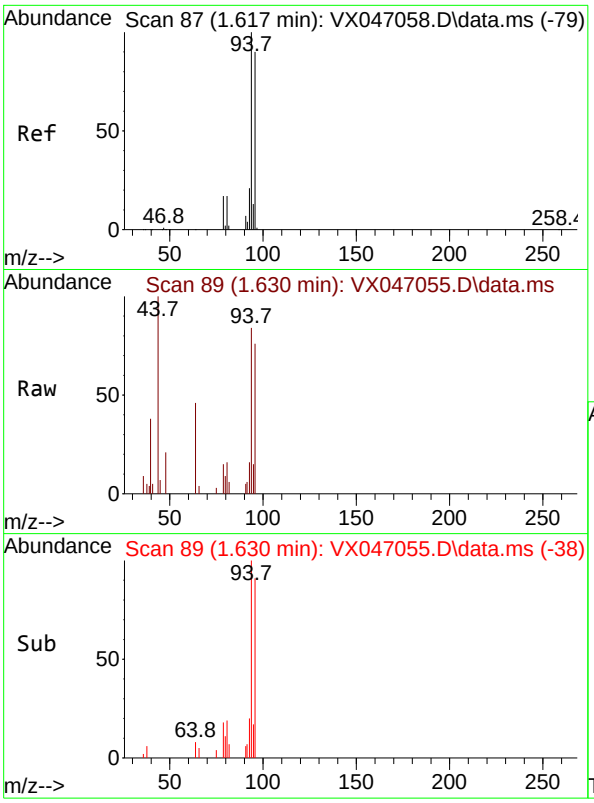


#4
Vinyl Chloride
Concen: 0.819 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 62 Resp: 3909

Ion	Ratio	Lower	Upper
62	100		
64	28.0	25.2	37.8



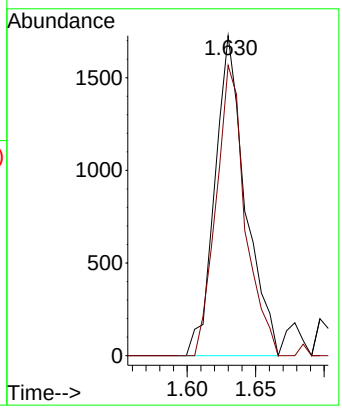


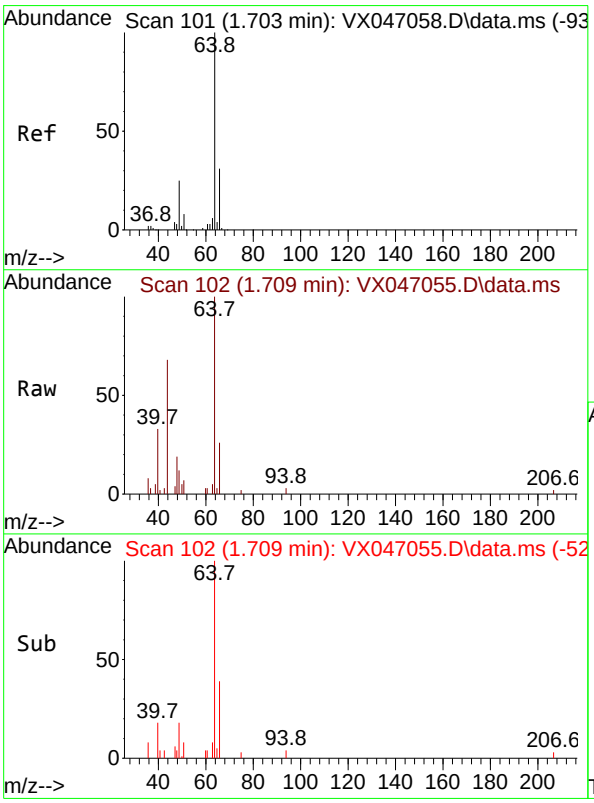
#5
Bromomethane
Concen: 1.033 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.013 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 94 Resp: 2678

Ion	Ratio	Lower	Upper
94	100		
96	90.7	72.3	108.5

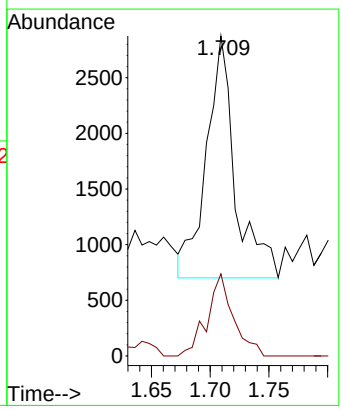


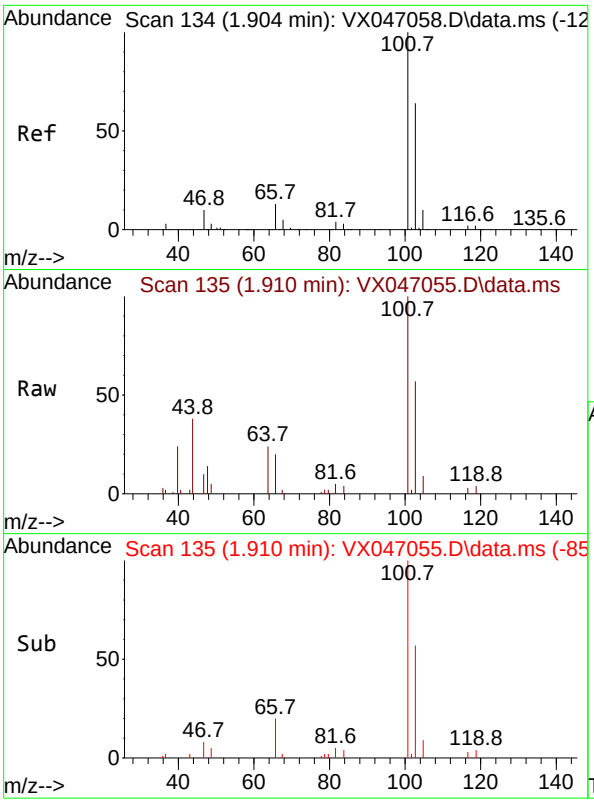


#6
Chloroethane
Concen: 1.180 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 64 Resp: 3698

Ion	Ratio	Lower	Upper
64	100		
66	34.0	25.0	37.6



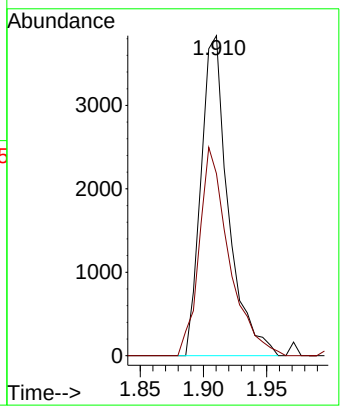


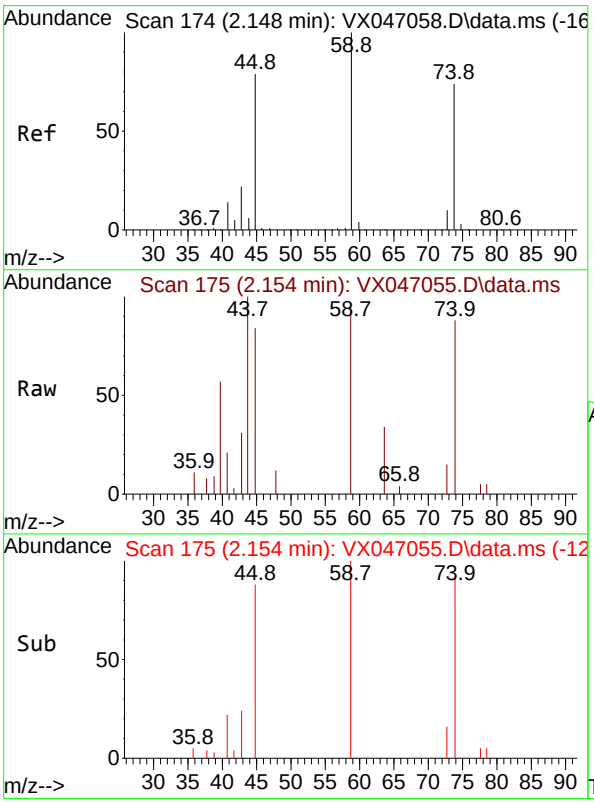
#7
Trichlorofluoromethane
Concen: 0.810 ug/l
RT: 1.910 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 5767

Ion	Ratio	Lower	Upper
101	100		
103	56.9	50.9	76.3

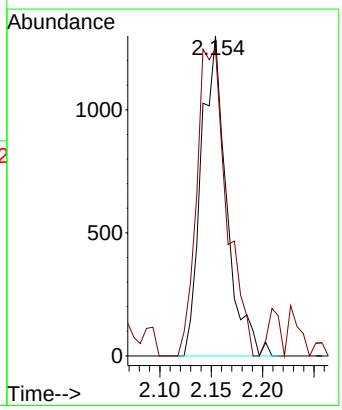


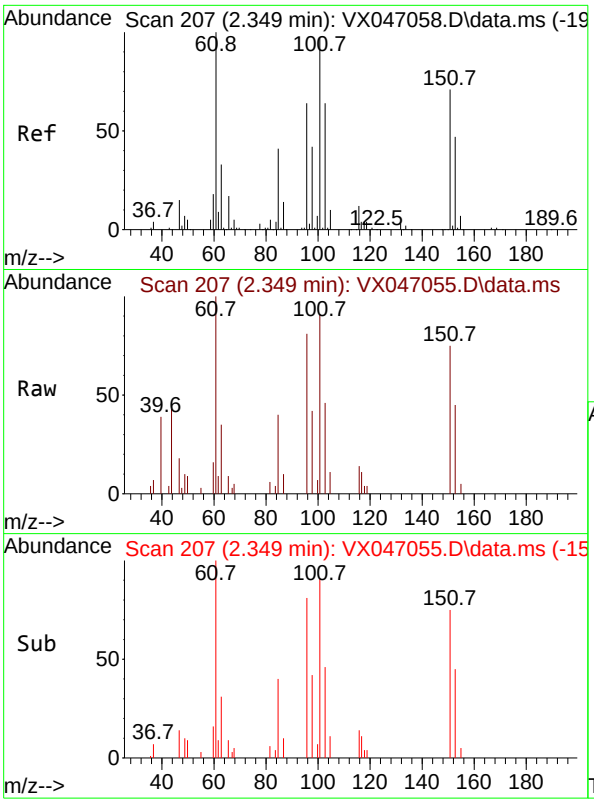


#8
Diethyl Ether
Concen: 0.887 ug/l
RT: 2.154 min Scan# 175
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 74 Resp: 2227

Ion	Ratio	Lower	Upper
74	100		
45	113.7	53.0	159.0



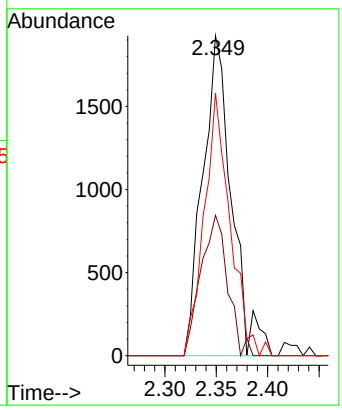


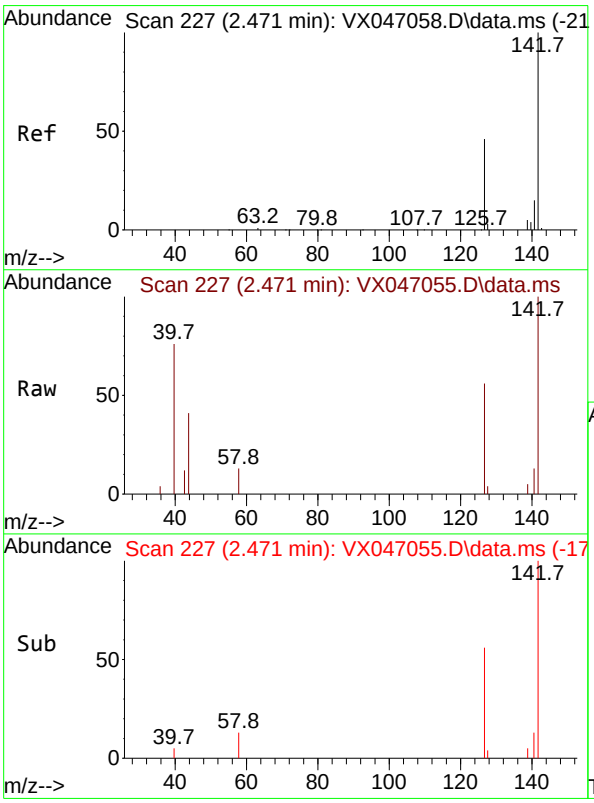
#9
1,1,2-Trichlorotrifluoroethane
Concen: 0.879 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:101 Resp: 3769

Ion	Ratio	Lower	Upper
101	100		
85	40.5	35.4	53.0
151	73.5	59.2	88.8

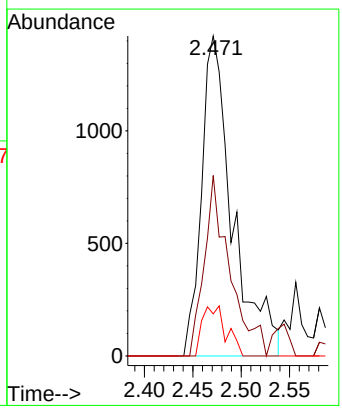


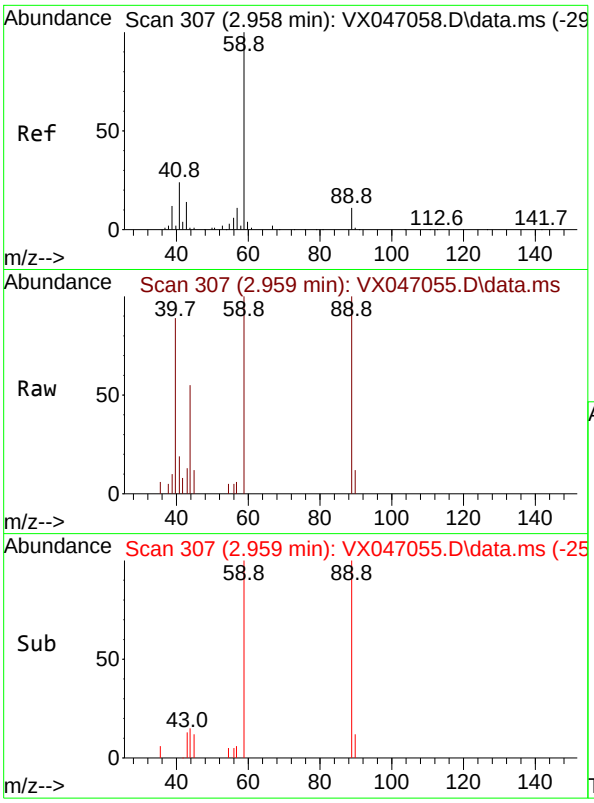


#10
Methyl Iodide
Concen: 0.728 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:142 Resp: 3182

Ion	Ratio	Lower	Upper
142	100		
127	46.1	36.6	54.8
141	11.9	10.9	16.3



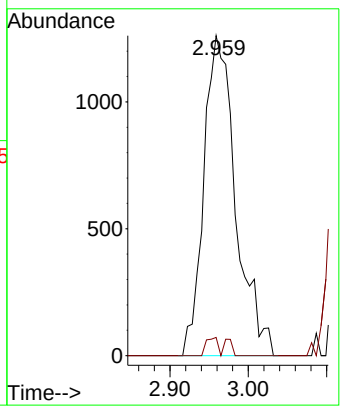


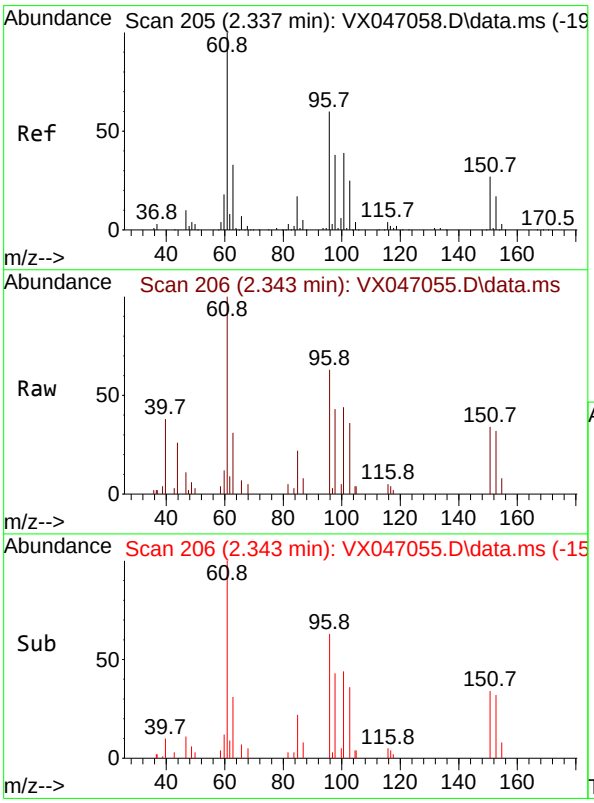
#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.959 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 59 Resp: 3574

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#

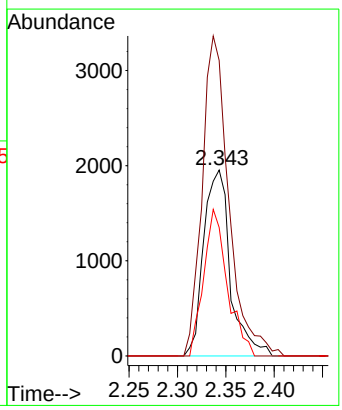


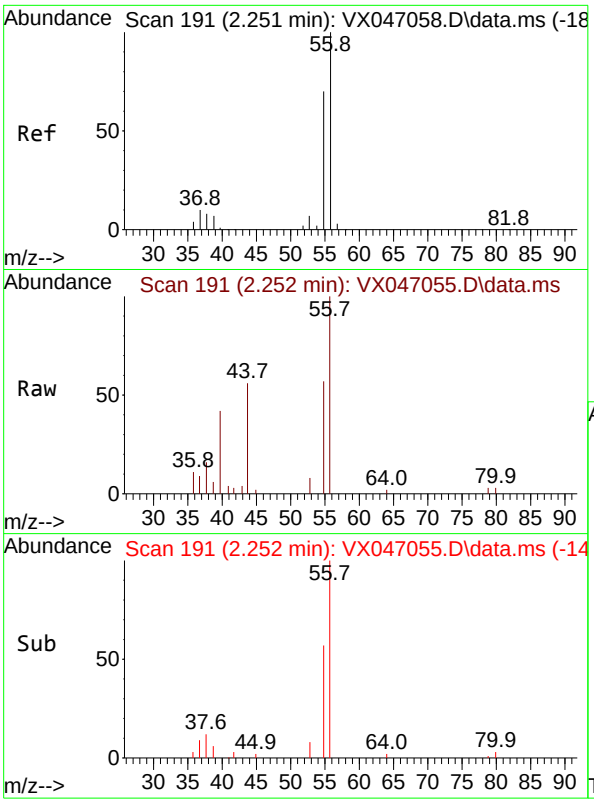


#12
1,1-Dichloroethene
Concen: 0.880 ug/l
RT: 2.343 min Scan# 206
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 96 Resp: 3739

Ion	Ratio	Lower	Upper
96	100		
61	159.0	132.6	198.8
98	69.1	50.2	75.4



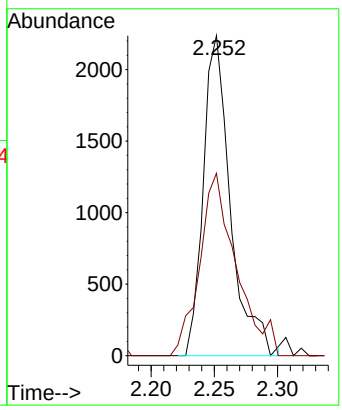


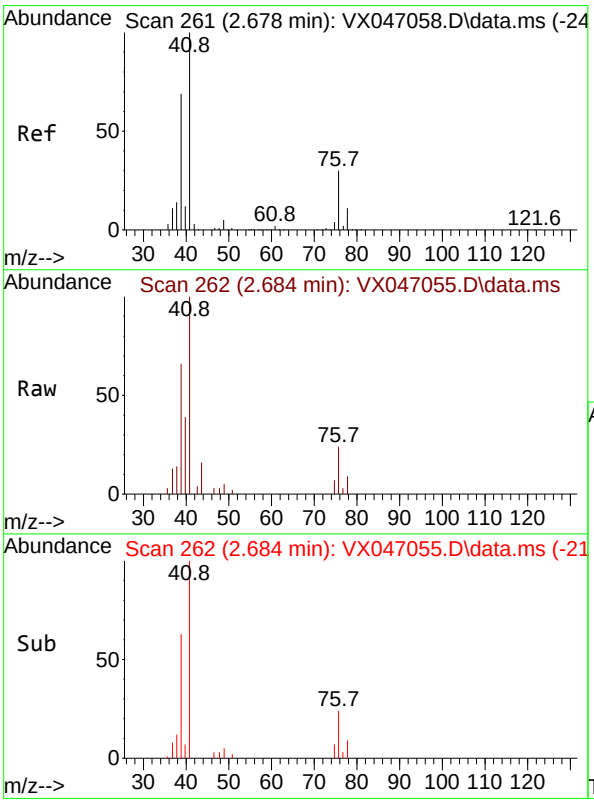
#13
Acrolein
Concen: 3.694 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 3349

Ion	Ratio	Lower	Upper
56	100		
55	76.5	55.7	83.5

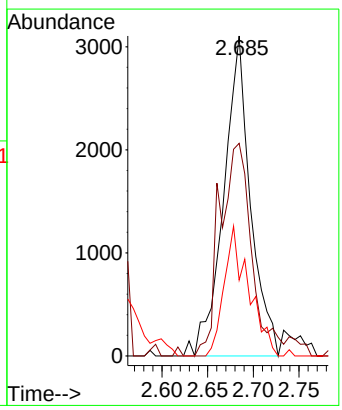


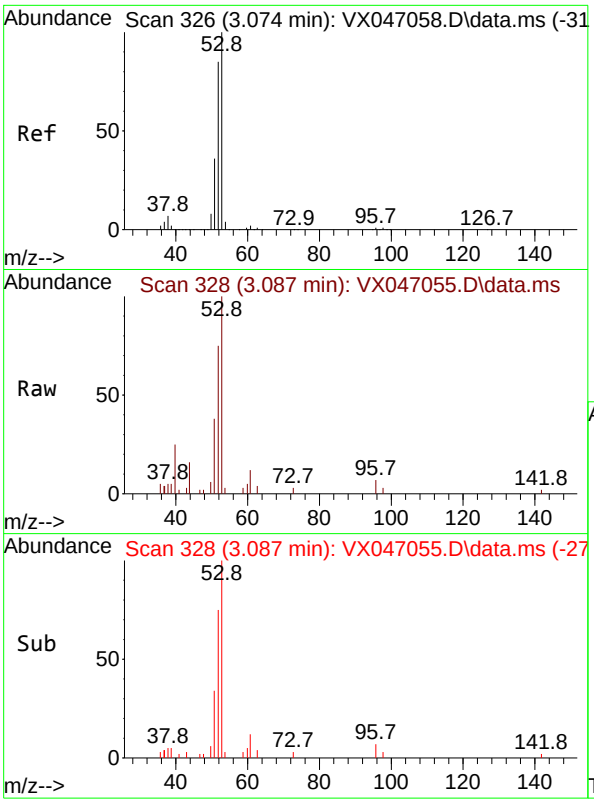


#14
Allyl chloride
Concen: 0.829 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 41 Resp: 6361

Ion	Ratio	Lower	Upper
41	100		
39	78.3	52.6	78.8
76	37.1	25.7	38.5



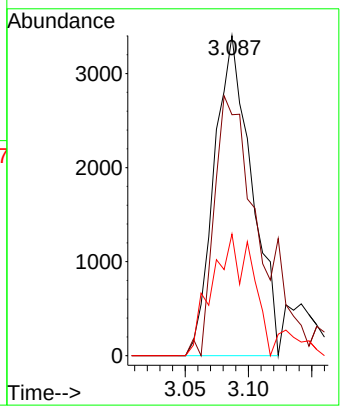


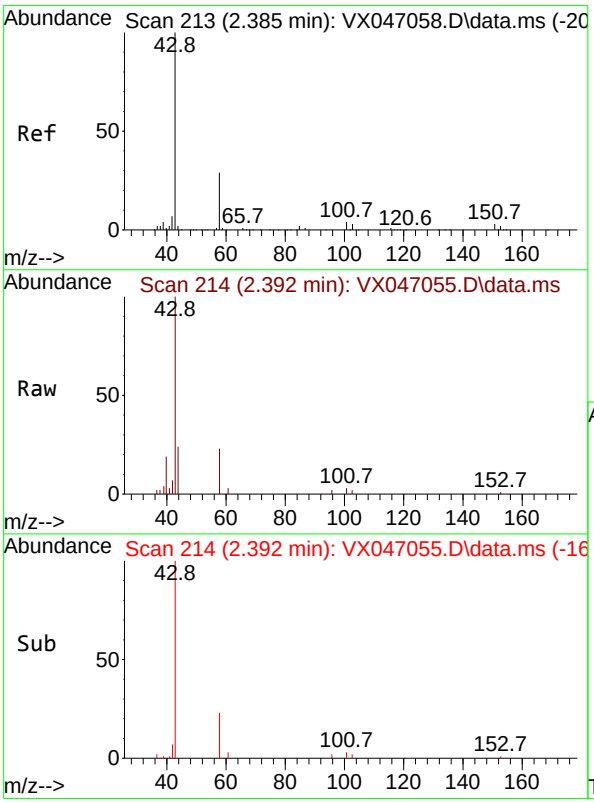
#15
Acrylonitrile
Concen: 3.493 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.013 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 53 Resp: 7013

Ion	Ratio	Lower	Upper
53	100		
52	96.5	65.7	98.5
51	40.6	28.8	43.2

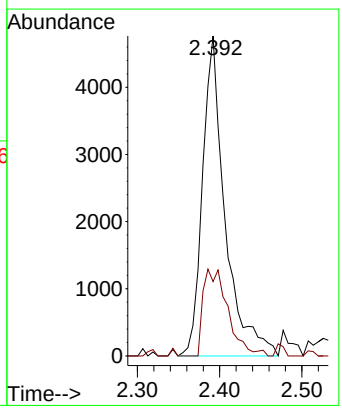


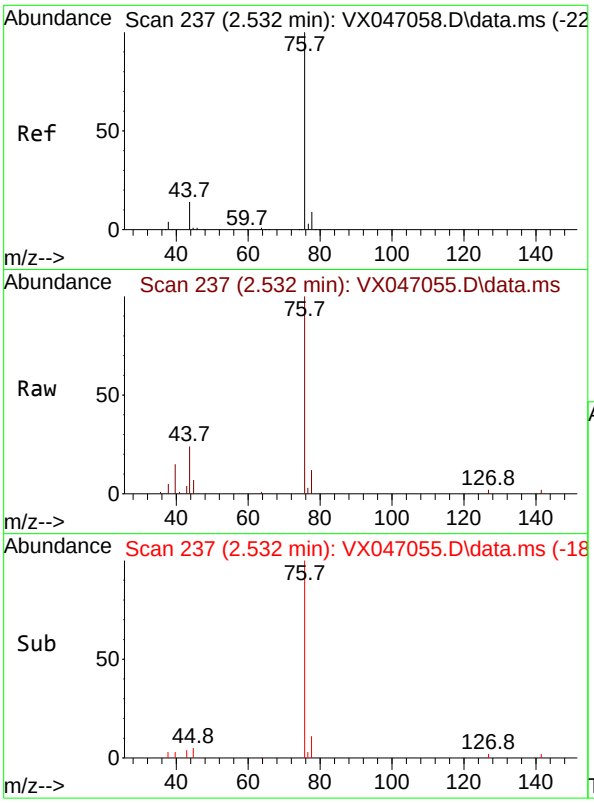


#16
Acetone
Concen: 5.378 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 9071

Ion	Ratio	Lower	Upper
43	100		
58	23.3	24.0	36.0#



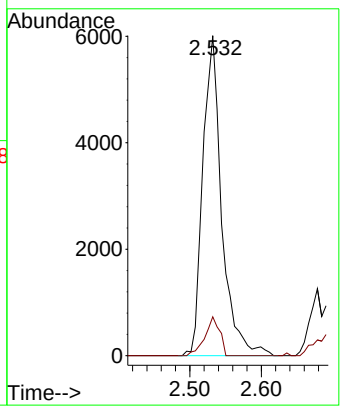


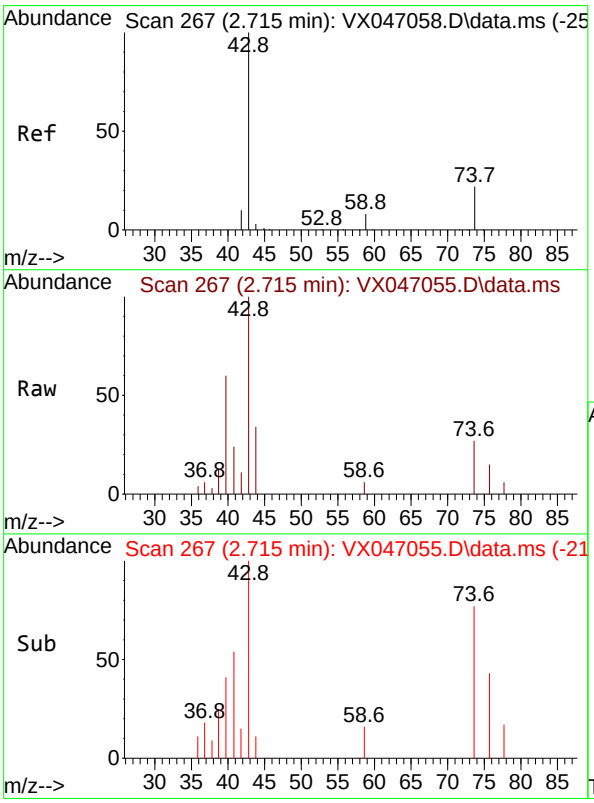
#17
Carbon Disulfide
Concen: 0.898 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 11039

Ion	Ratio	Lower	Upper
76	100		
78	11.8	7.0	10.4#

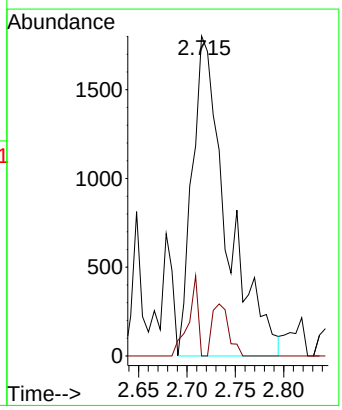


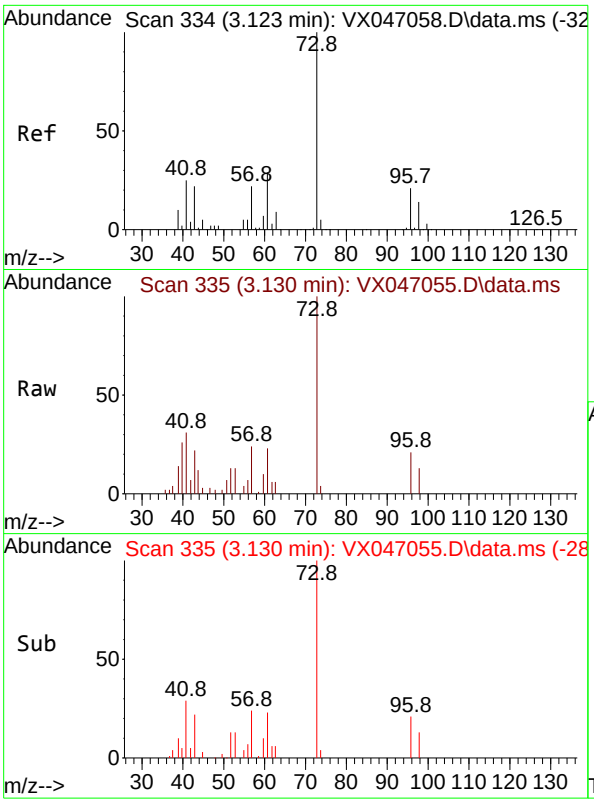


#18
Methyl Acetate
Concen: 0.991 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 4440

Ion	Ratio	Lower	Upper
43	100		
74	7.0	17.7	26.5#



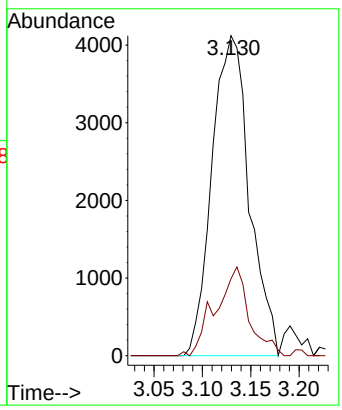


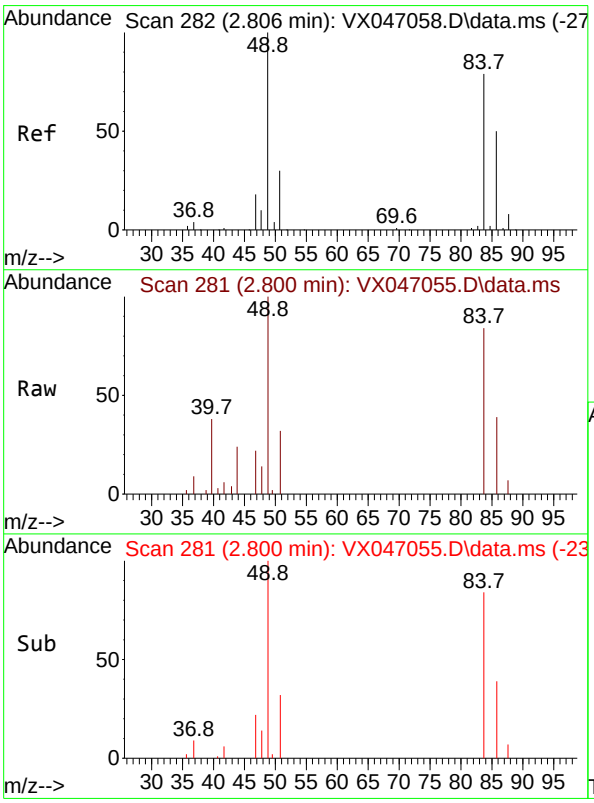
#19
Methyl tert-butyl Ether
Concen: 0.858 ug/l
RT: 3.130 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 73 Resp: 11087

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.7	26.5

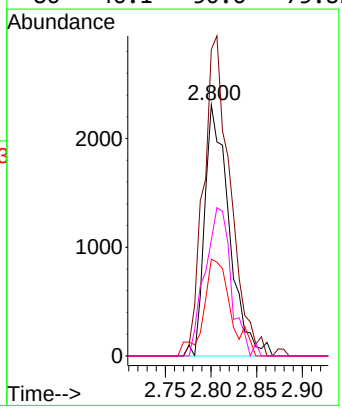


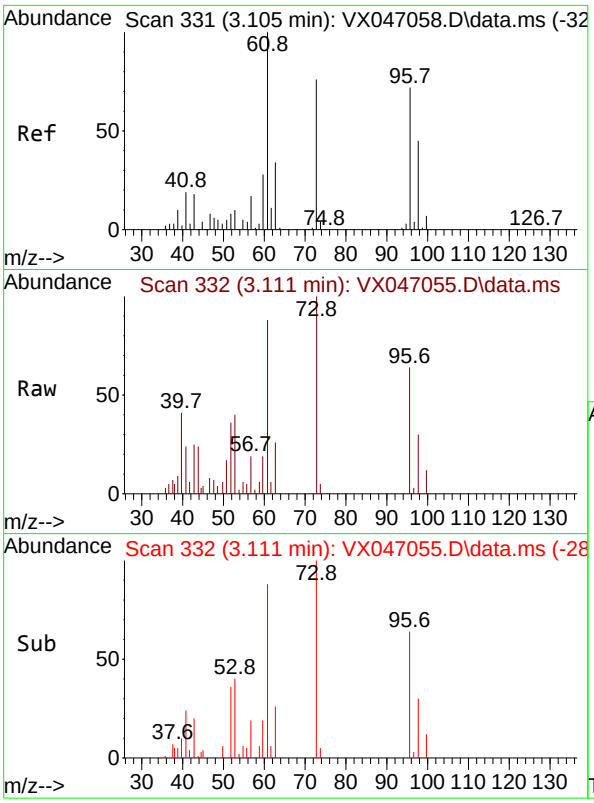


#20
Methylene Chloride
Concen: 0.924 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 84 Resp: 4289

Ion	Ratio	Lower	Upper
84	100		
49	122.0	101.6	152.4
51	38.6	30.3	45.5
86	46.1	50.6	75.8#



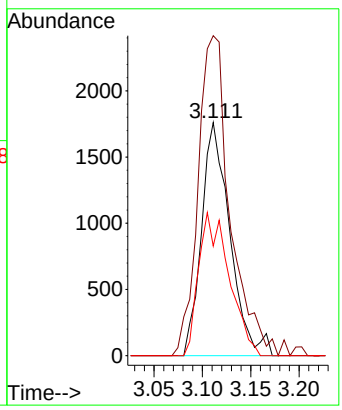


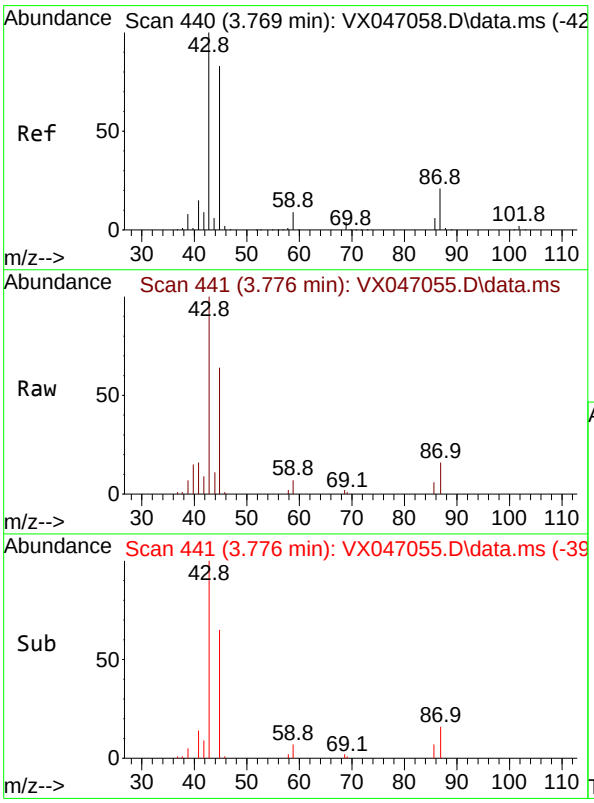
#21
trans-1,2-Dichloroethene
Concen: 0.826 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 3590

Ion	Ratio	Lower	Upper
96	100		
61	140.5	111.1	166.7
98	45.0	49.6	74.4#

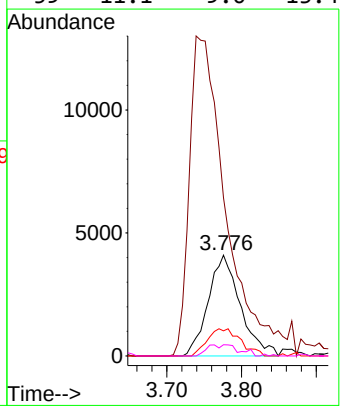


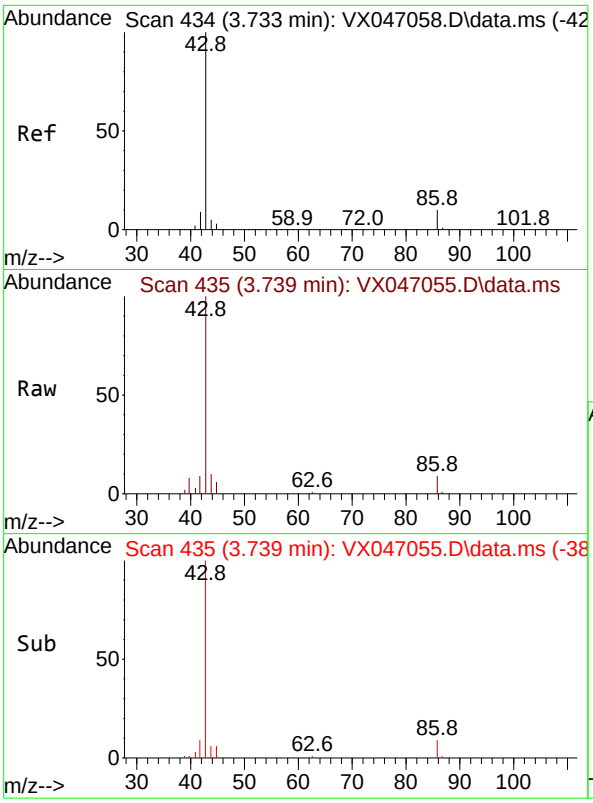


#22
Diisopropyl ether
Concen: 0.828 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 45 Resp: 12222

Ion	Ratio	Lower	Upper
45	100		
43	132.0	96.8	145.2
87	24.9	20.5	30.7
59	11.1	9.0	13.4



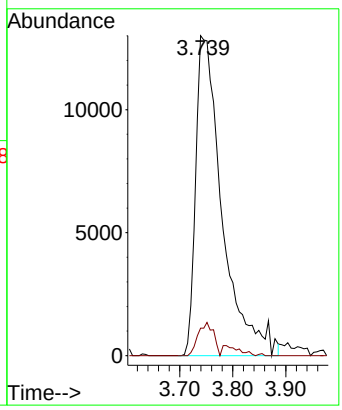


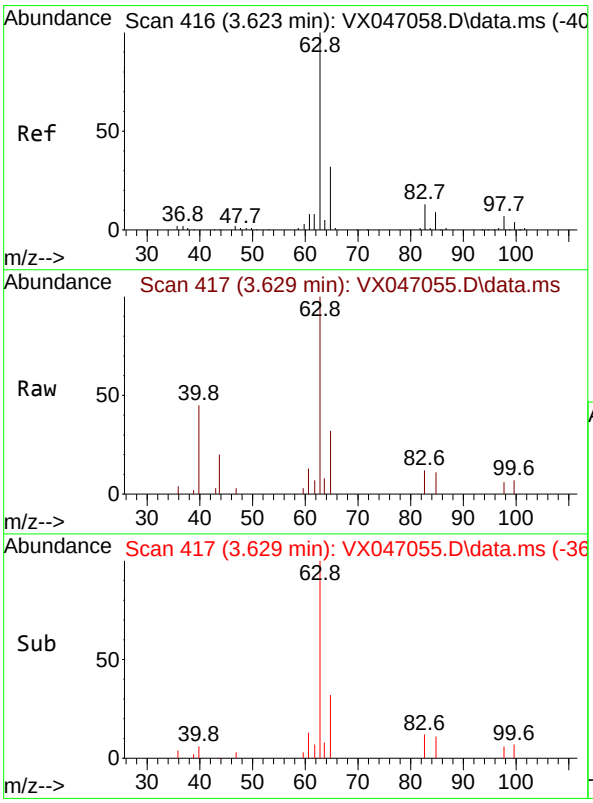
#23
Vinyl Acetate
Concen: 3.805 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 45048

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.1	12.1

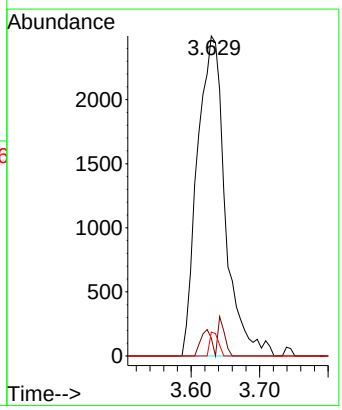


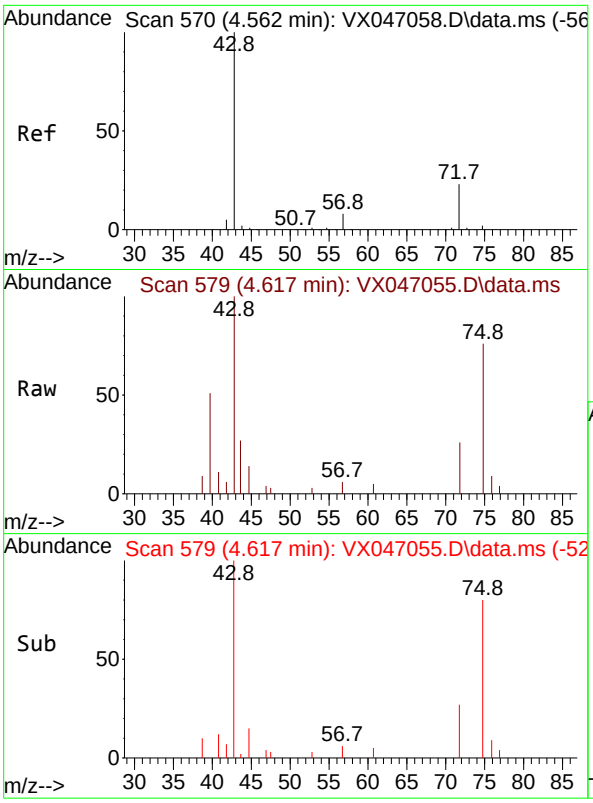


#24
1,1-Dichloroethane
Concen: 0.859 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 63 Resp: 7054

Ion	Ratio	Lower	Upper
63	100		
98	5.1	3.6	10.8
100	6.9	2.3	6.8#



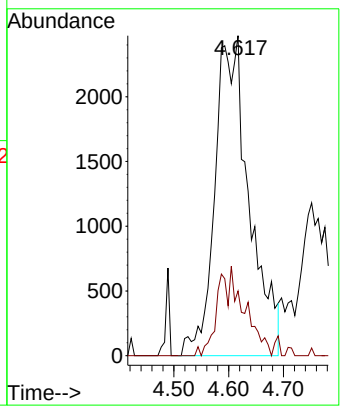


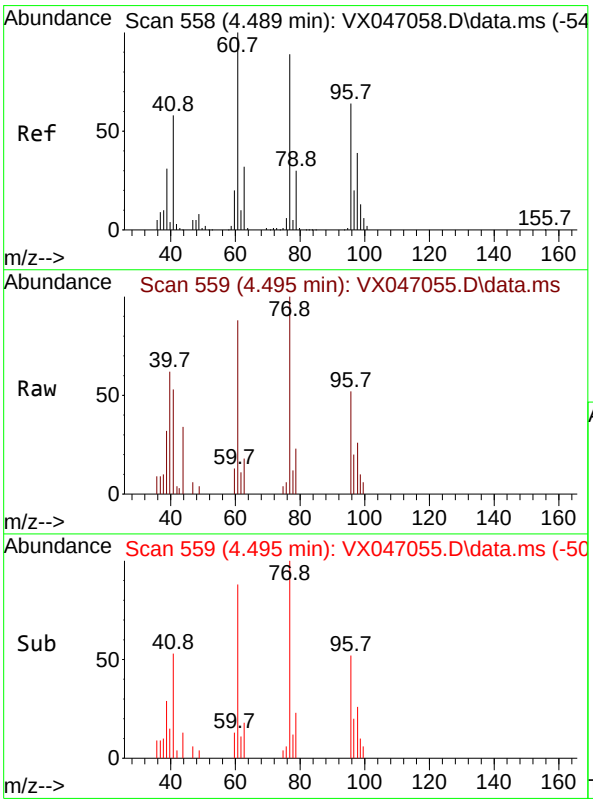
#25
2-Butanone
Concen: 4.367 ug/l
RT: 4.617 min Scan# 5
Delta R.T. 0.055 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 10725

Ion	Ratio	Lower	Upper
43	100		
72	24.2	18.8	28.2

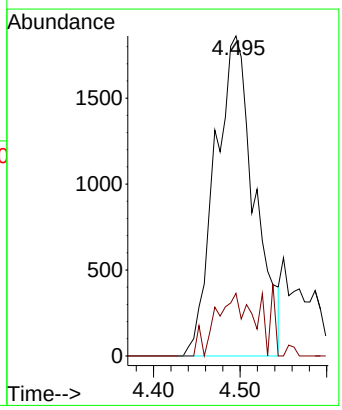


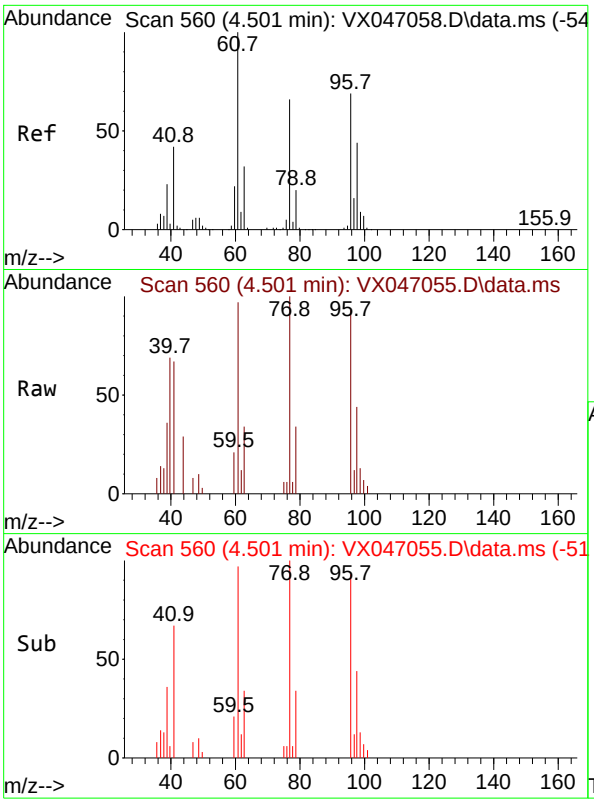


#26
2,2-Dichloropropane
Concen: 0.929 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 77 Resp: 5905

Ion	Ratio	Lower	Upper
77	100		
97	16.7	11.4	34.1



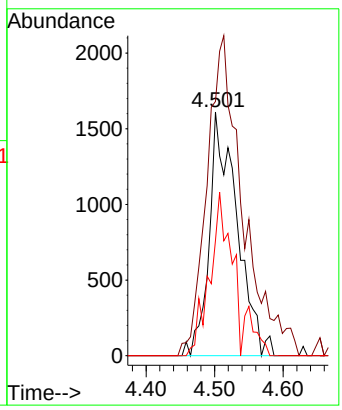


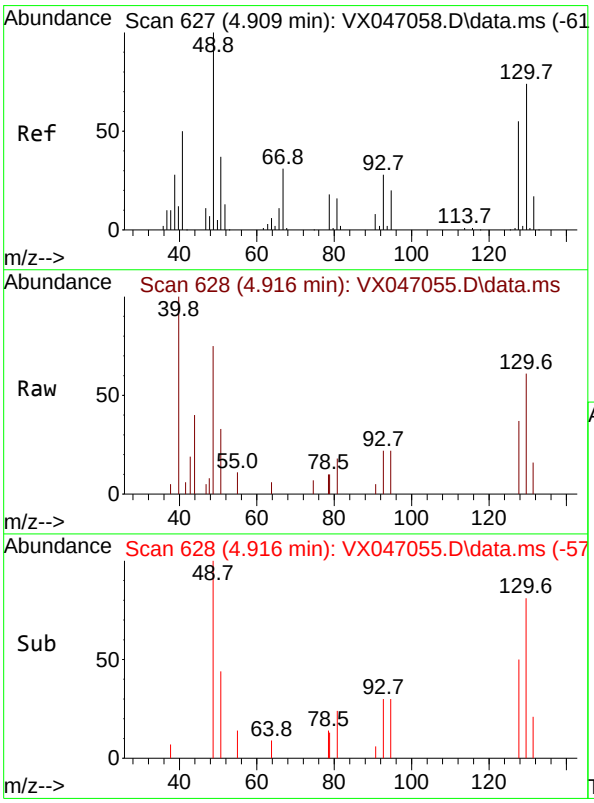
#27
cis-1,2-Dichloroethene
Concen: 0.880 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 96 Resp: 4527

Ion	Ratio	Lower	Upper
96	100		
61	170.3	0.0	298.6
98	53.7	0.0	128.8

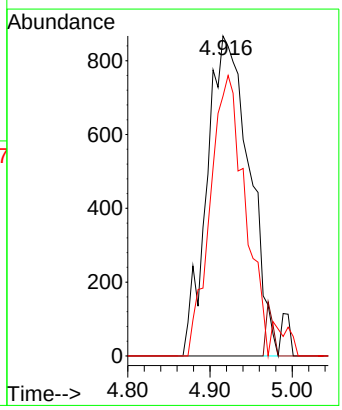


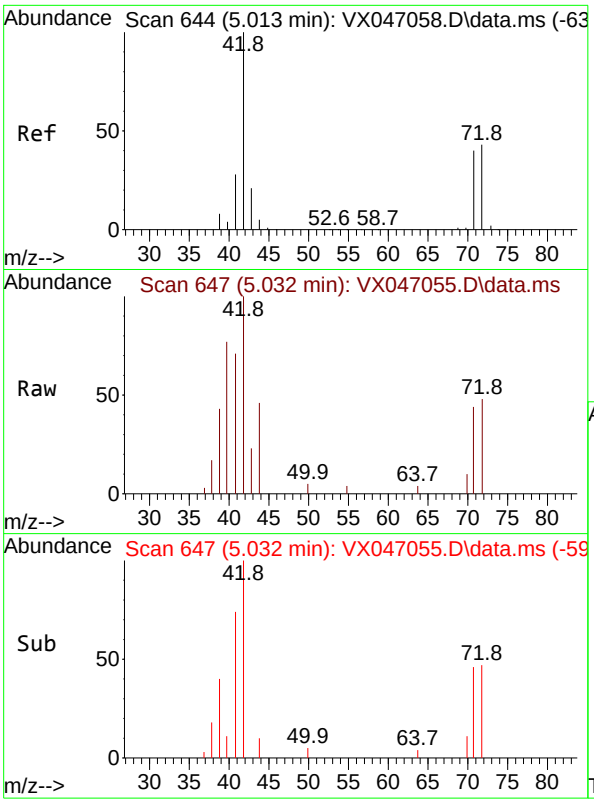


#28
Bromochloromethane
Concen: 0.819 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 49 Resp: 3092

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.8
130	72.3	59.0	88.4



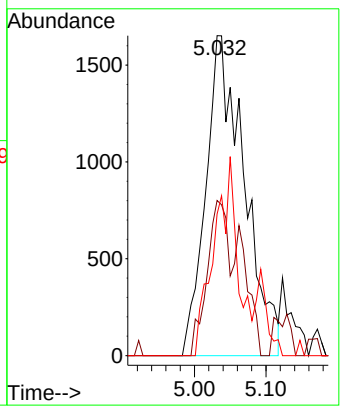


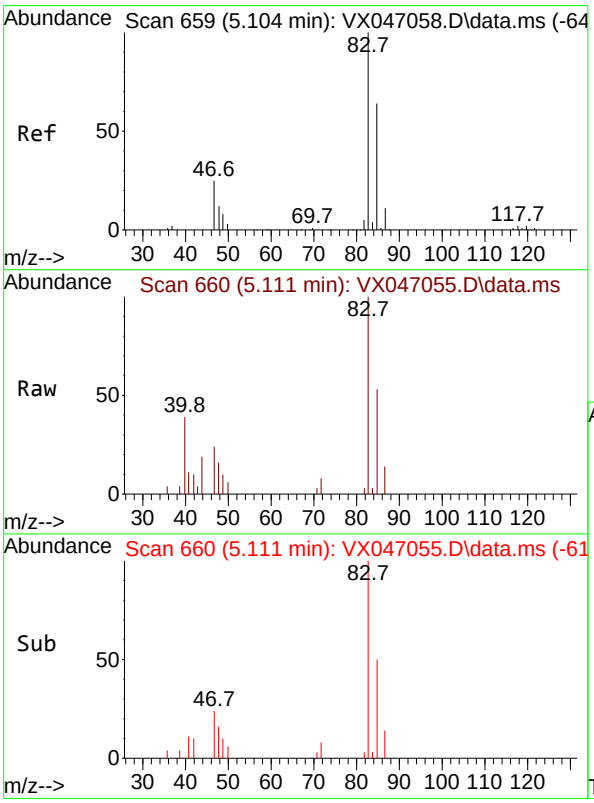
#29
Tetrahydrofuran
Concen: 3.890 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 42 Resp: 6164

Ion	Ratio	Lower	Upper
42	100		
72	26.7	33.7	50.5#
71	38.0	31.0	46.4

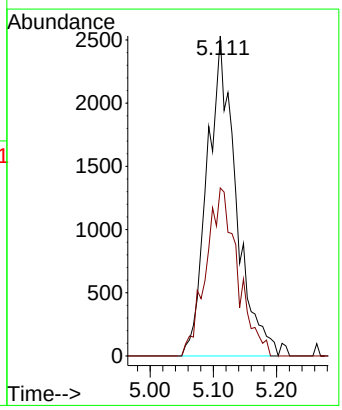


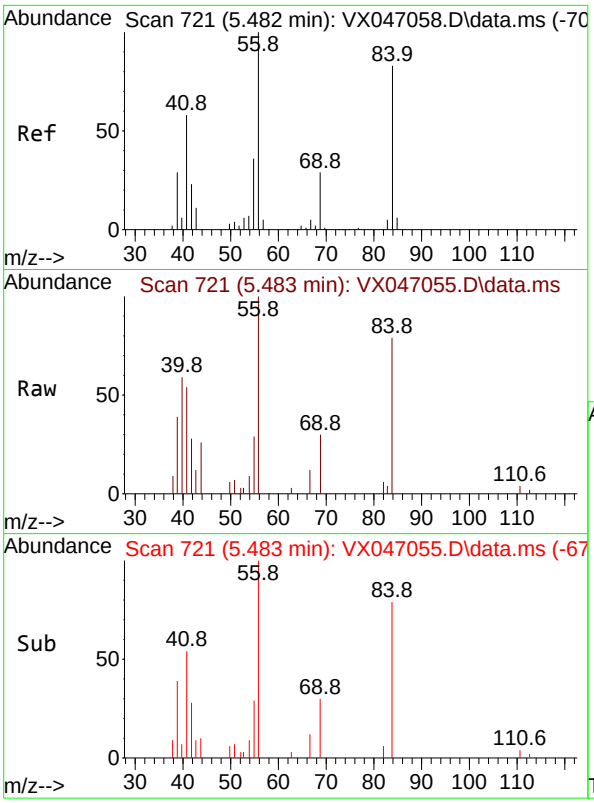


#30
Chloroform
Concen: 0.955 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 83 Resp: 7976

Ion	Ratio	Lower	Upper
83	100		
85	52.5	50.9	76.3



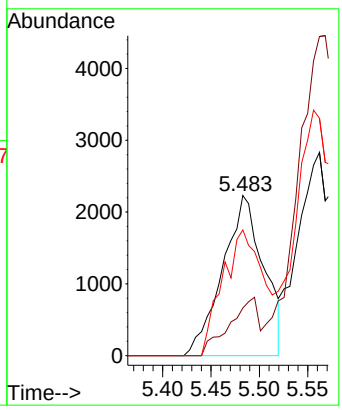


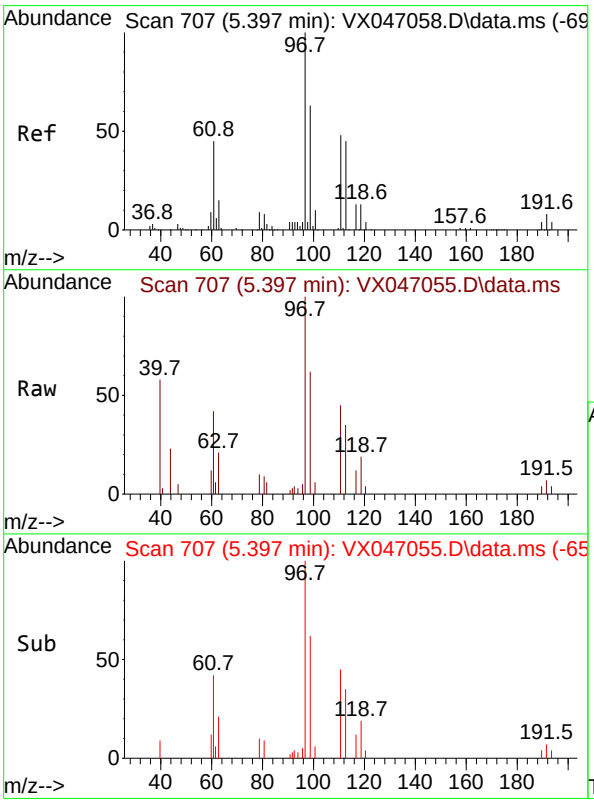
#31
Cyclohexane
Concen: 0.834 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 56 Resp: 6563

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.3	34.9
84	78.5	66.5	99.7

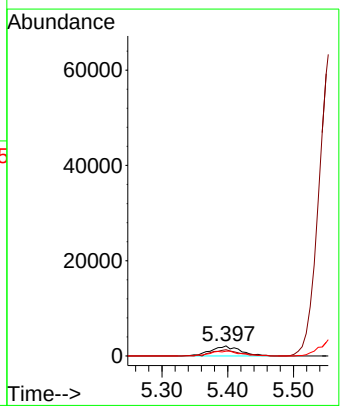


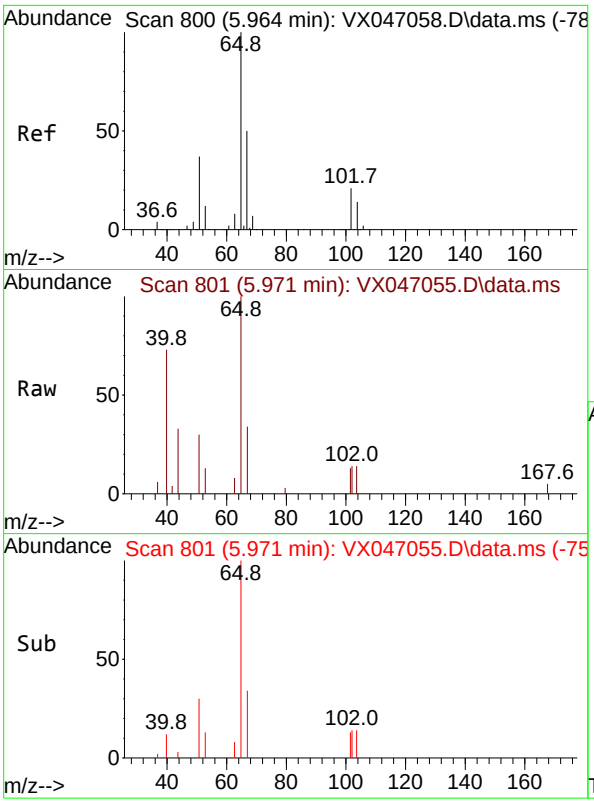


#32
1,1,1-Trichloroethane
Concen: 0.895 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 97 Resp: 6496

Ion	Ratio	Lower	Upper
97	100		
99	0.0	51.2	76.8#
61	48.6	37.1	55.7



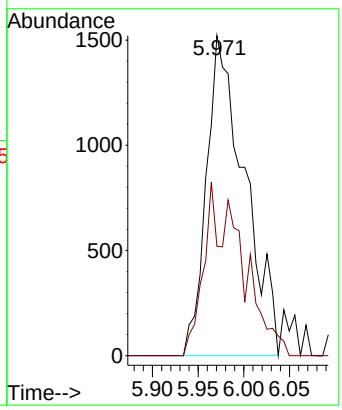


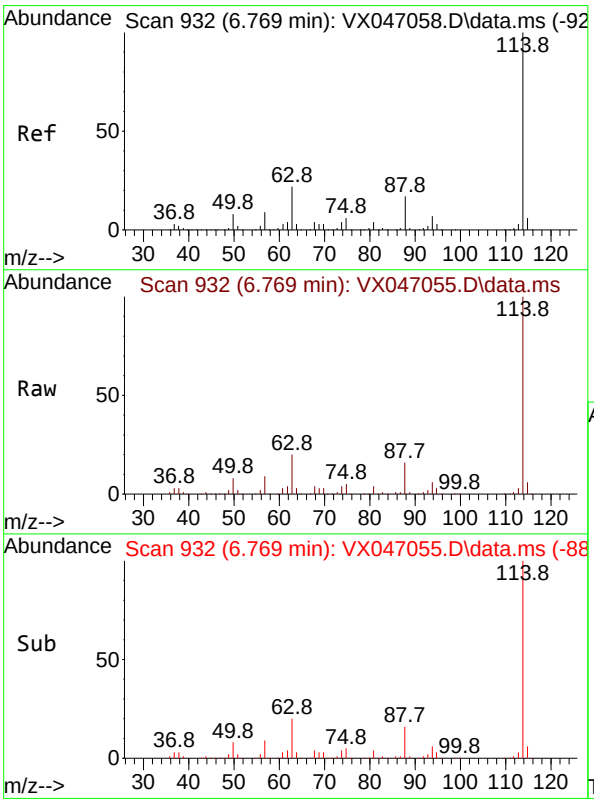
#33
1,2-Dichloroethane-d4
Concen: 1.043 ug/l
RT: 5.971 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 65 Resp: 4393

Ion	Ratio	Lower	Upper
65	100		
67	24.1	0.0	104.8

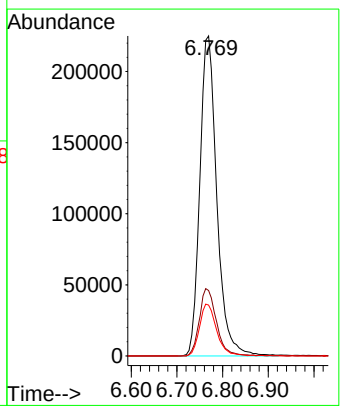


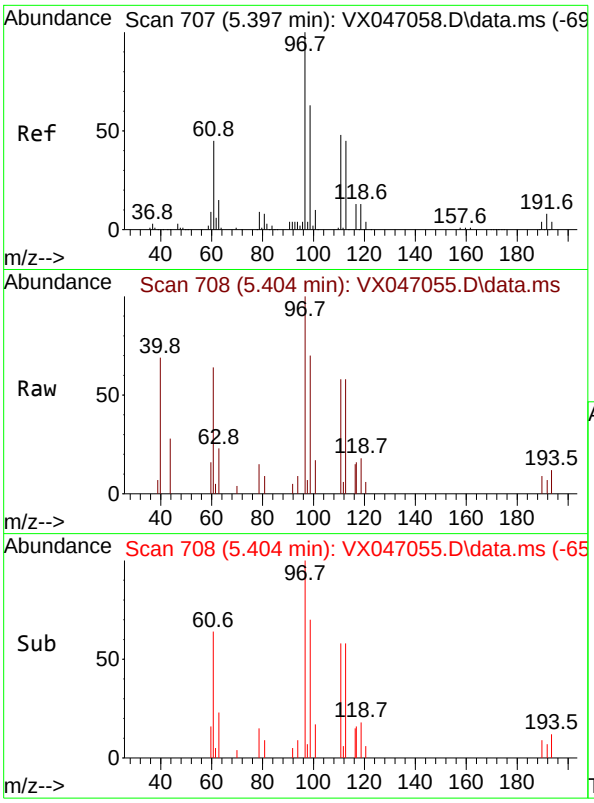


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:114 Resp: 582229

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	43.2
88	15.9	0.0	33.8



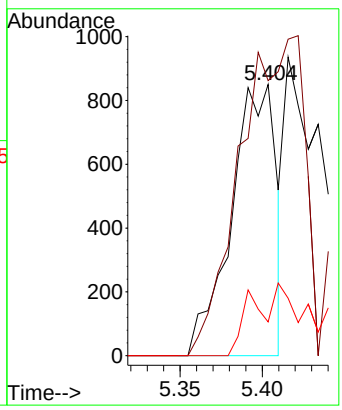


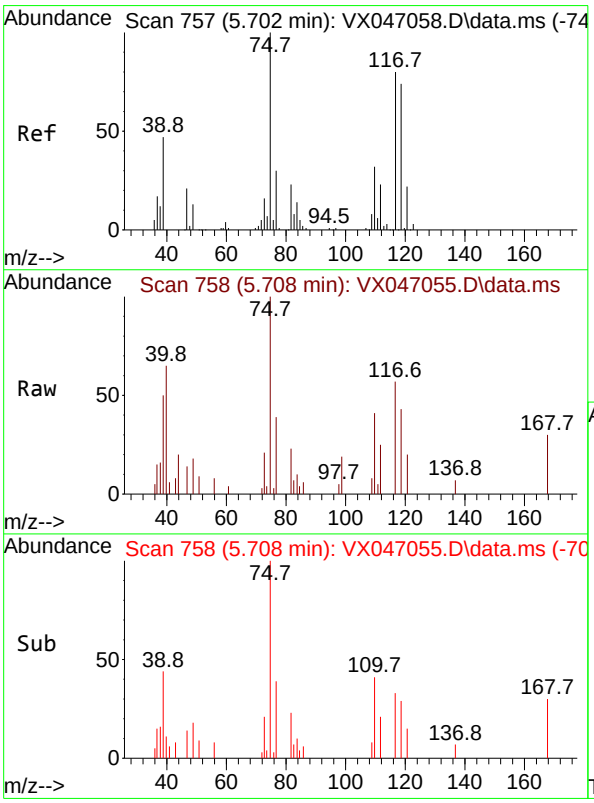
#35
Dibromofluoromethane
Concen: 0.449 ug/l
RT: 5.404 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:113 Resp: 1613

Ion	Ratio	Lower	Upper
113	100		
111	167.6	82.6	124.0#
192	10.7	14.9	22.3#

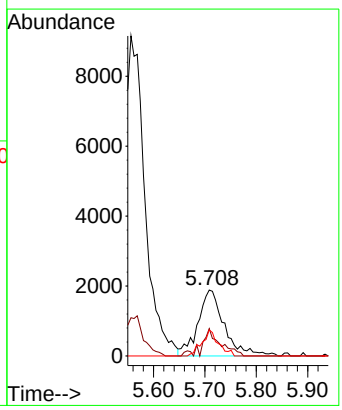


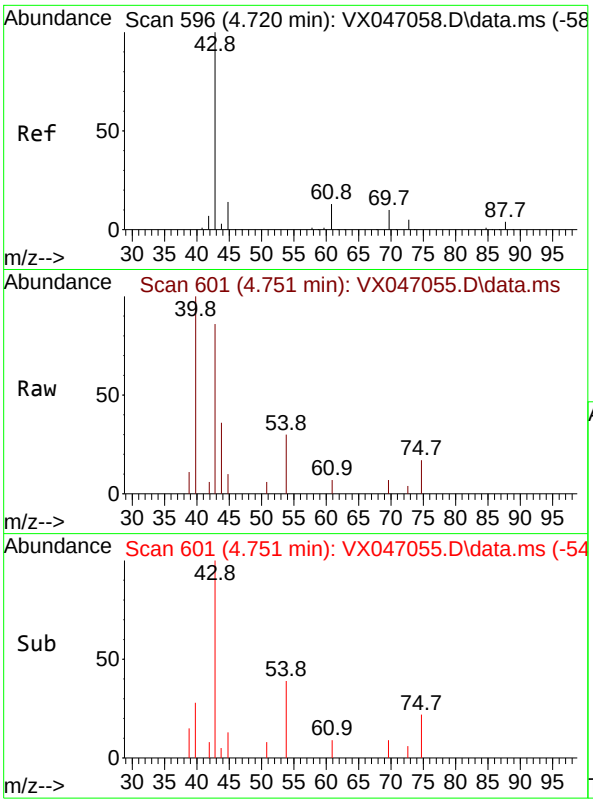


#36
1,1-Dichloropropene
Concen: 1.094 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 75 Resp: 6705

Ion	Ratio	Lower	Upper
75	100		
110	26.3	17.2	51.5
77	24.7	25.1	37.7#



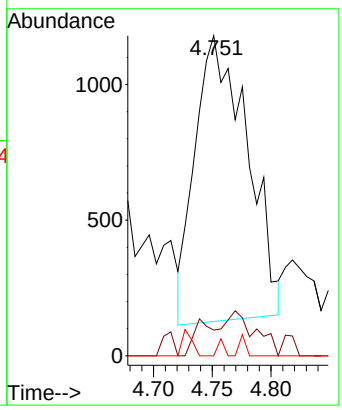


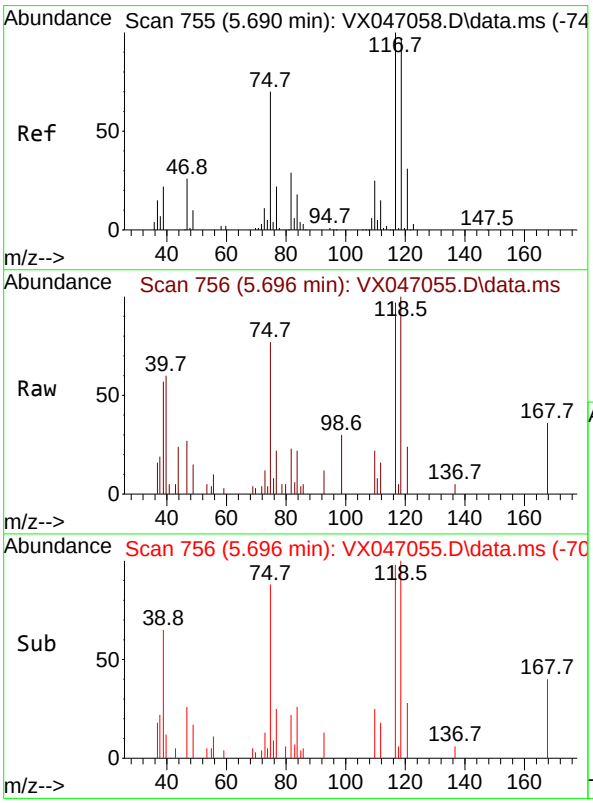
#37
Ethyl Acetate
Concen: 0.600 ug/l
RT: 4.751 min Scan# 6
Delta R.T. 0.031 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 3241

Ion	Ratio	Lower	Upper
43	100		
61	0.0	10.2	15.2#
70	0.7	8.1	12.1#

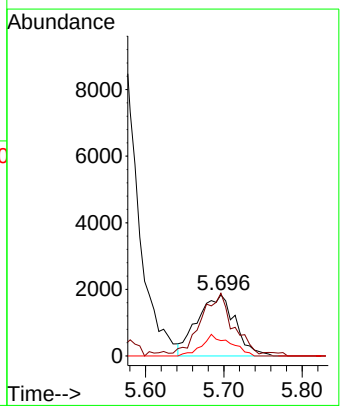


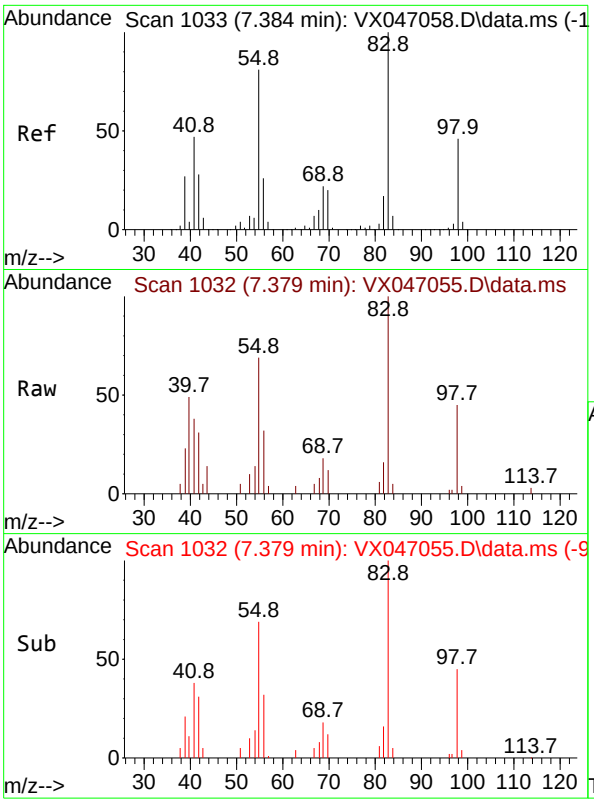


#38
Carbon Tetrachloride
Concen: 0.936 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:117 Resp: 6120

Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.6	115.0
121	25.1	24.4	36.6



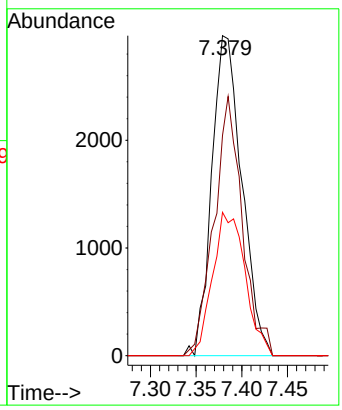


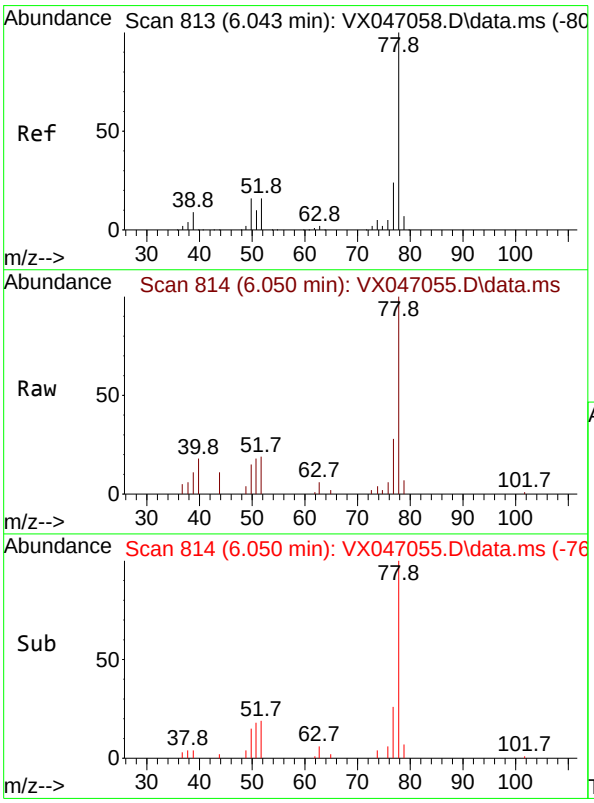
#39
Methylcyclohexane
Concen: 0.888 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 6794

Ion	Ratio	Lower	Upper
83	100		
55	68.8	64.5	96.7
98	48.7	36.9	55.3

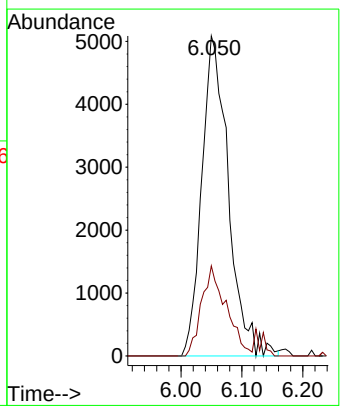


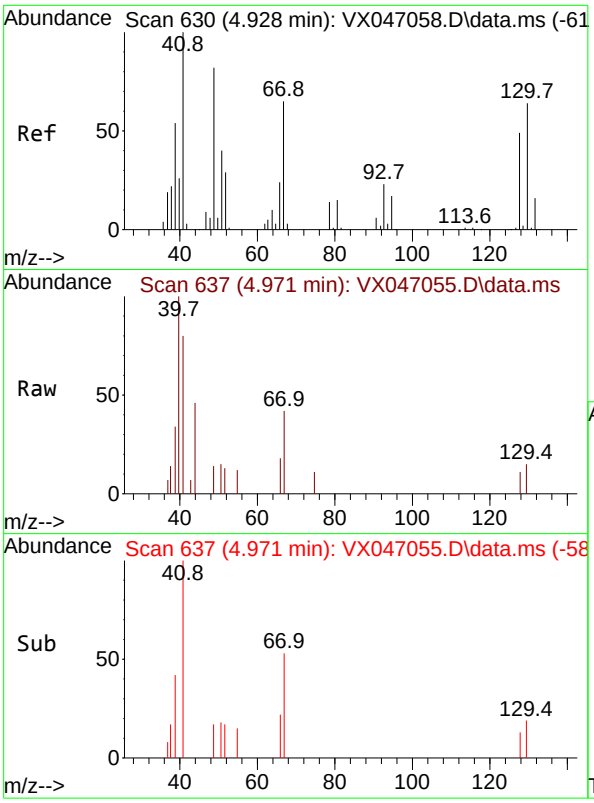


#40
Benzene
Concen: 0.871 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 78 Resp: 15450

Ion	Ratio	Lower	Upper
78	100		
77	28.2	19.0	28.4



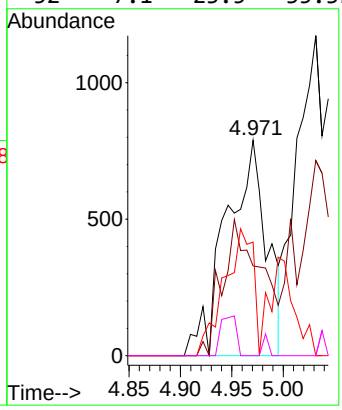


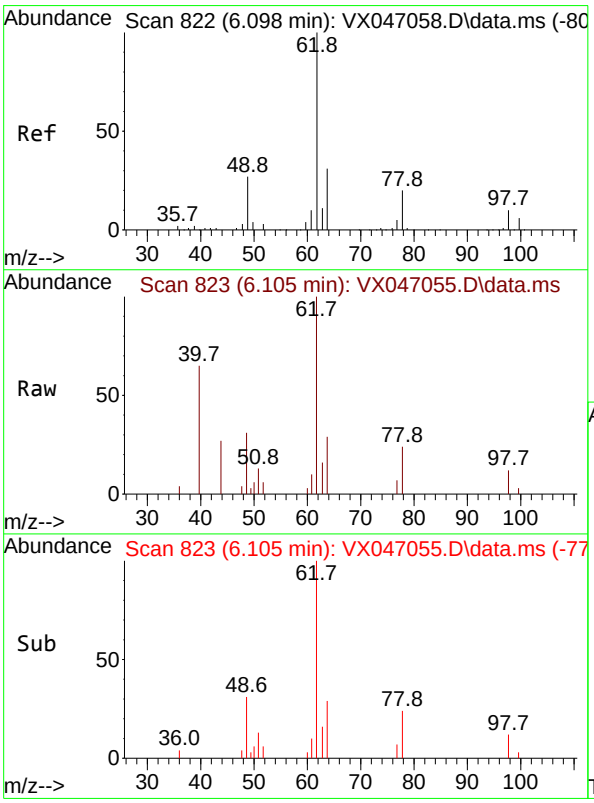
#41
Methacrylonitrile
Concen: 0.734 ug/l
RT: 4.971 min Scan# 6
Delta R.T. 0.043 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 41 Resp: 2166

Ion	Ratio	Lower	Upper
41	100		
39	60.6	44.2	66.2
67	41.7	56.4	84.6#
52	7.1	23.5	35.3#

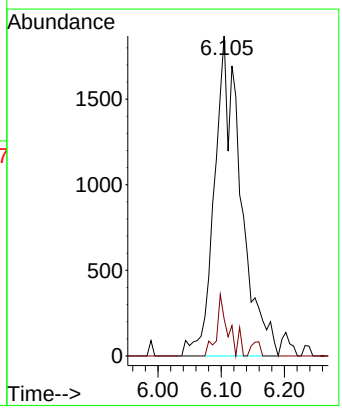


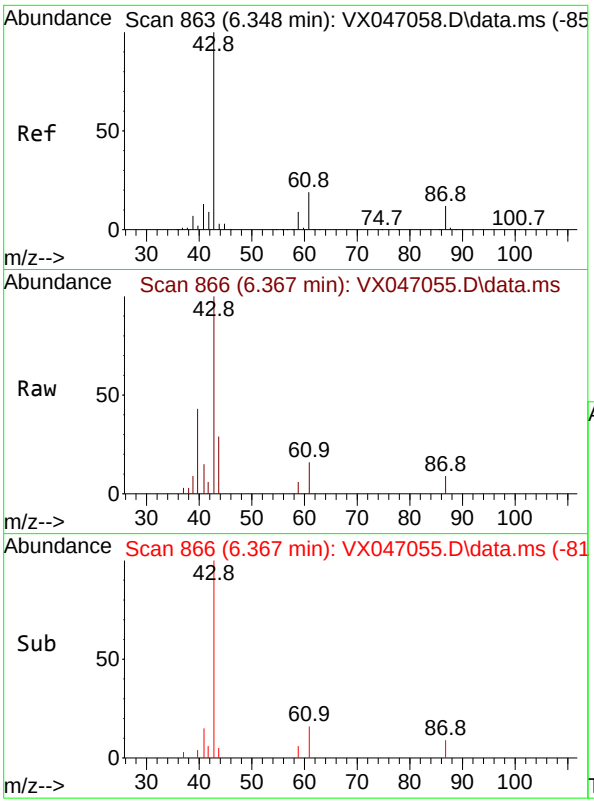


#42
1,2-Dichloroethane
Concen: 0.872 ug/l
RT: 6.105 min Scan# 823
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 62 Resp: 5449

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.8



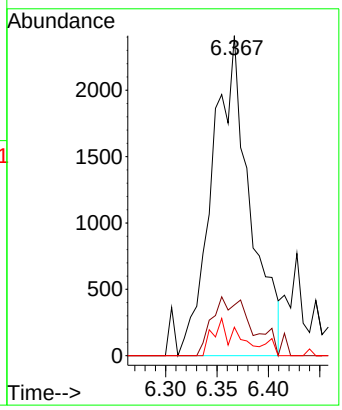


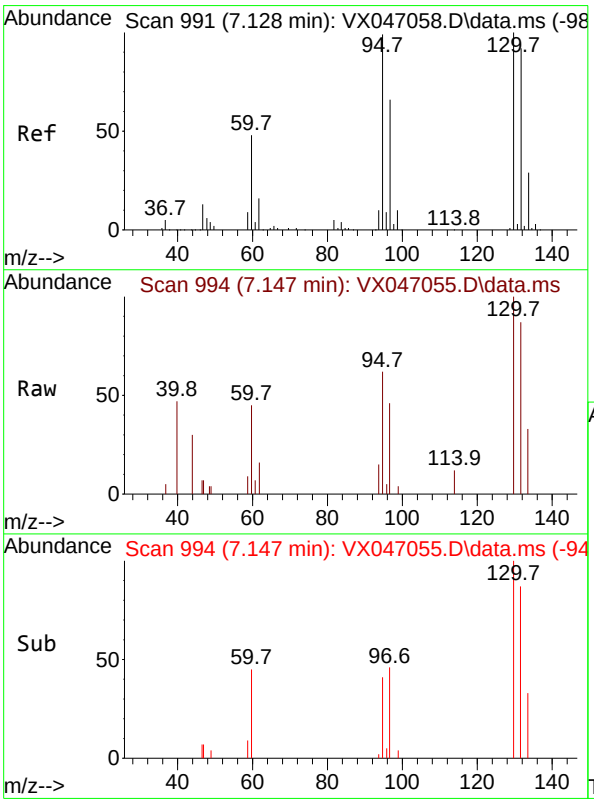
#43
Isopropyl Acetate
Concen: 0.697 ug/l
RT: 6.367 min Scan# 8
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 6134

Ion	Ratio	Lower	Upper
43	100		
61	20.2	15.1	22.7
87	7.7	9.7	14.5#

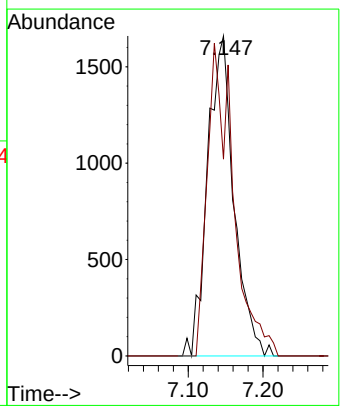


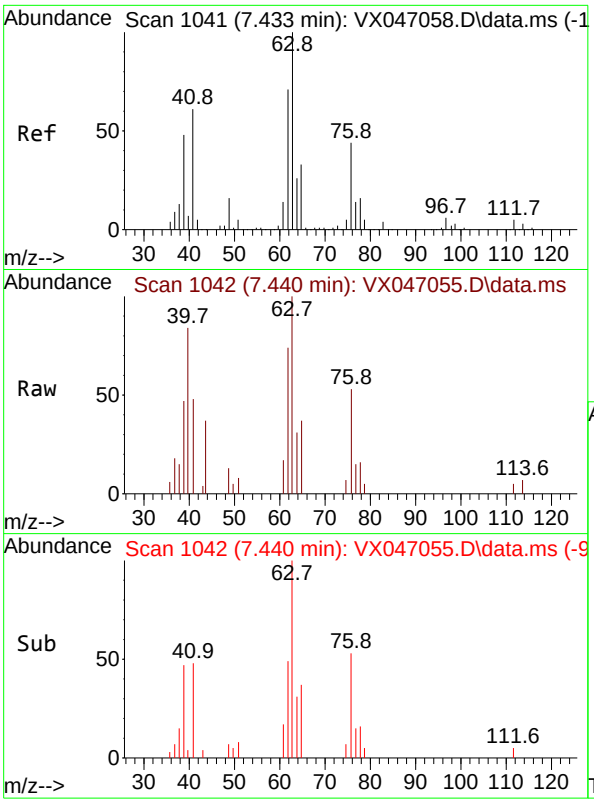


#44
Trichloroethene
Concen: 0.896 ug/l
RT: 7.147 min Scan# 994
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:130 Resp: 4075

Ion	Ratio	Lower	Upper
130	100		
95	61.5	0.0	198.6



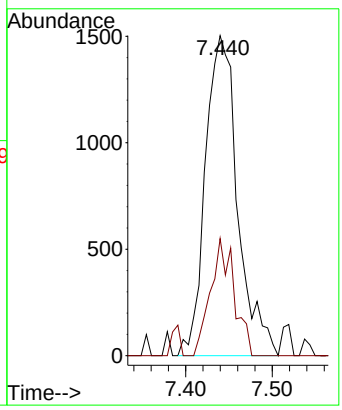


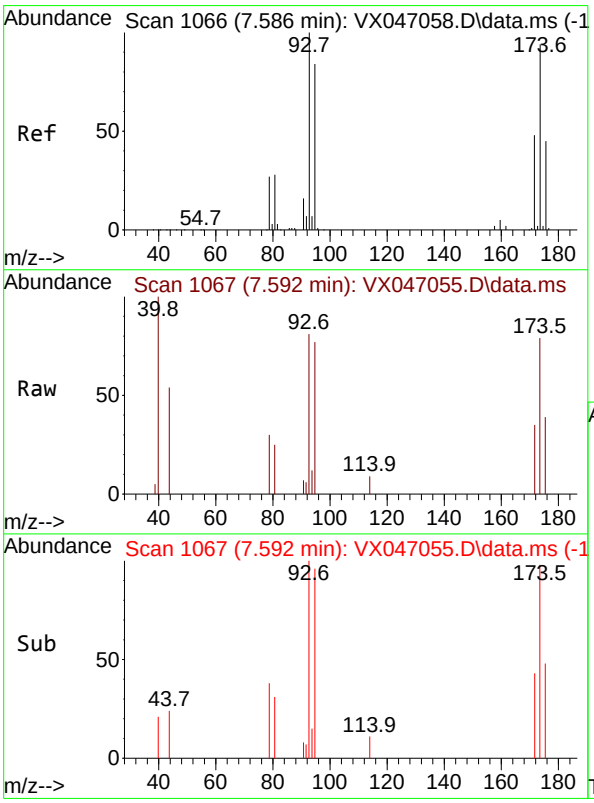
#45
1,2-Dichloropropane
Concen: 0.877 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 63 Resp: 3895

Ion	Ratio	Lower	Upper
63	100		
65	36.6	26.3	39.5

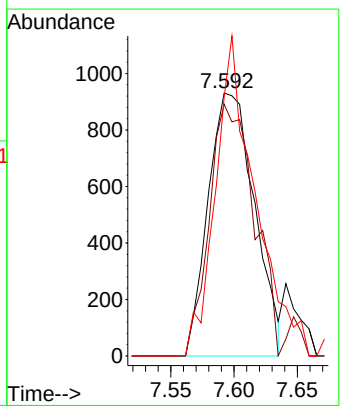


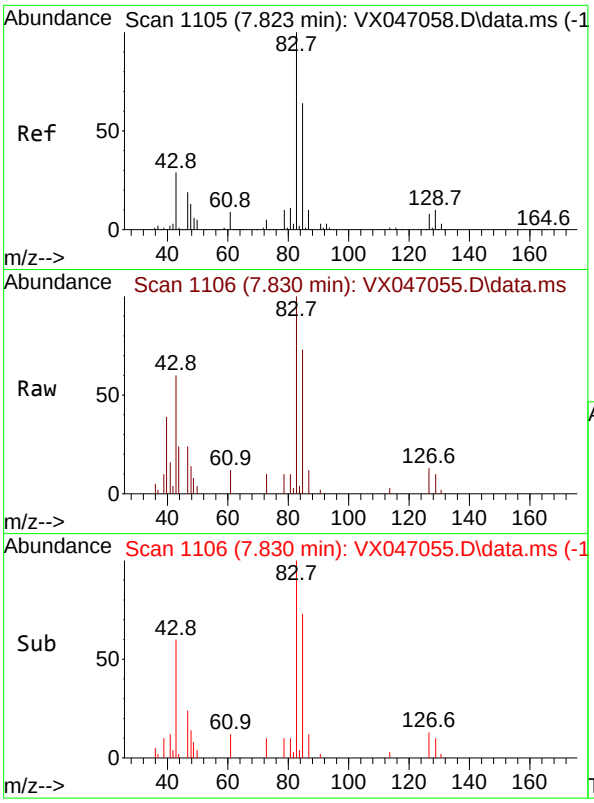


#46
Dibromomethane
Concen: 0.762 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 93 Resp: 2372

Ion	Ratio	Lower	Upper
93	100		
95	94.0	65.9	98.9
174	104.2	74.6	112.0



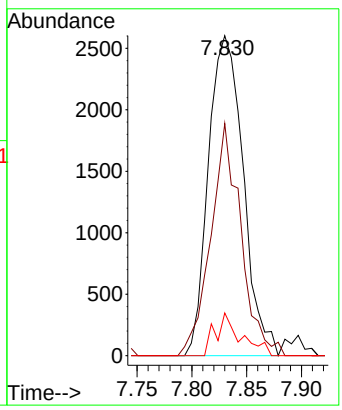


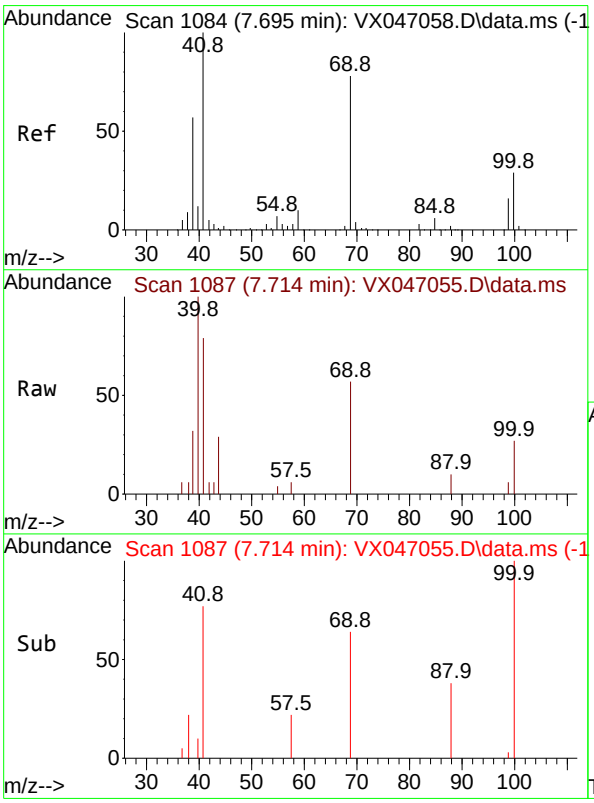
#47
Bromodichloromethane
Concen: 0.867 ug/l
RT: 7.830 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 5749

Ion	Ratio	Lower	Upper
83	100		
85	72.6	49.9	74.9
127	13.4	6.6	10.0#

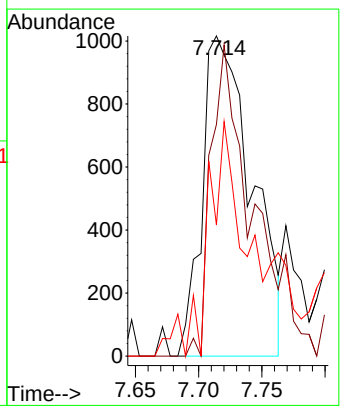


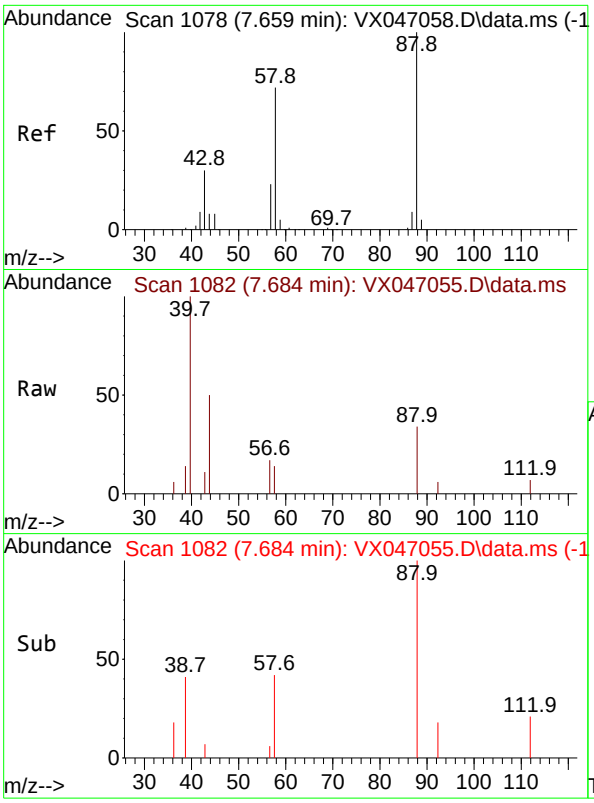


#48
Methyl methacrylate
Concen: 0.578 ug/l
RT: 7.714 min Scan# 1087
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 41 Resp: 2771

Ion	Ratio	Lower	Upper
41	100		
69	82.3	62.3	93.5
39	50.2	44.8	67.2



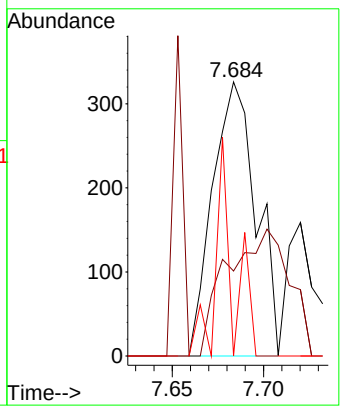


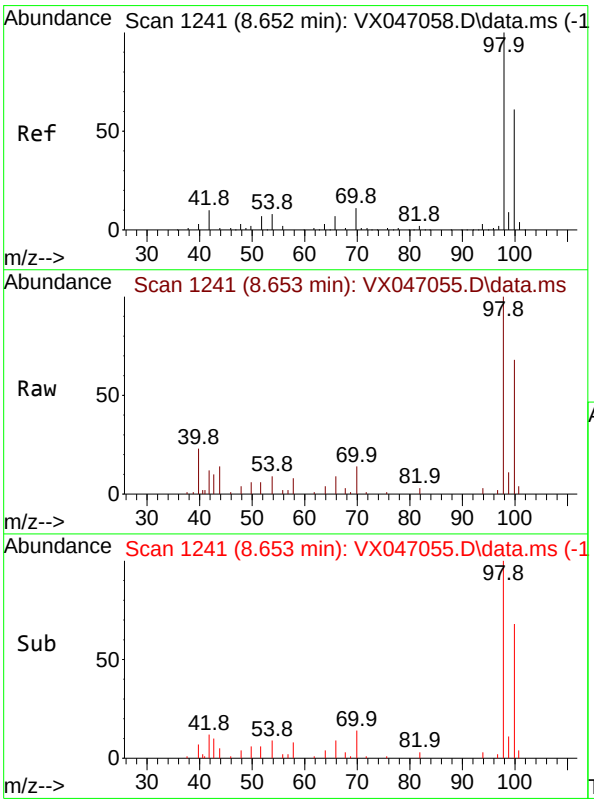
#49
1,4-Dioxane
Concen: 9.937 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.025 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 88 Resp: 542

Ion	Ratio	Lower	Upper
88	100		
43	0.0	33.6	50.4#
58	31.5	58.8	88.2#

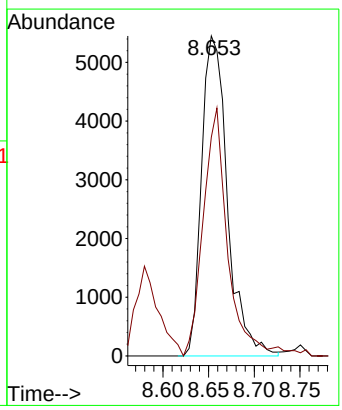


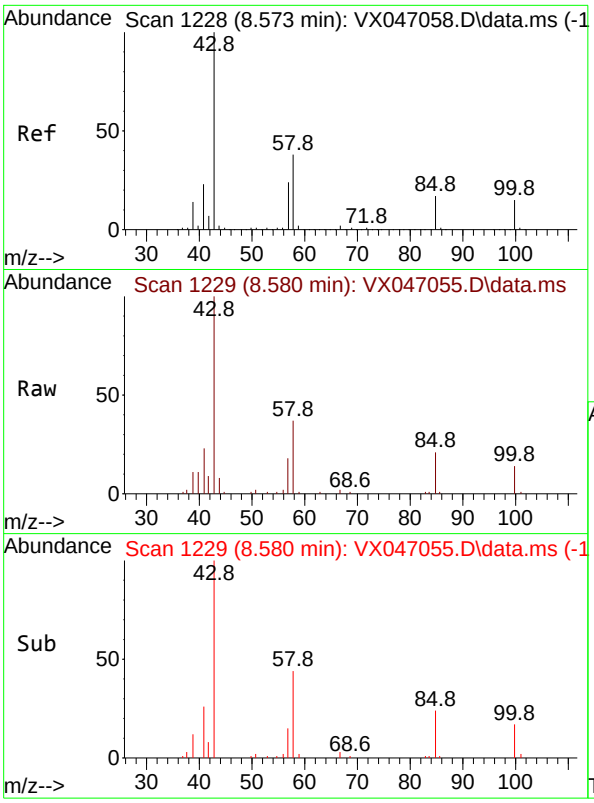


#50
Toluene-d8
Concen: 0.921 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 98 Resp: 10718

Ion	Ratio	Lower	Upper
98	100		
100	74.0	53.3	79.9



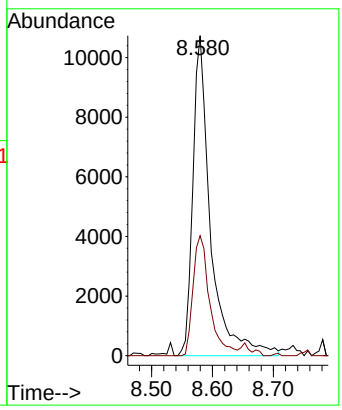


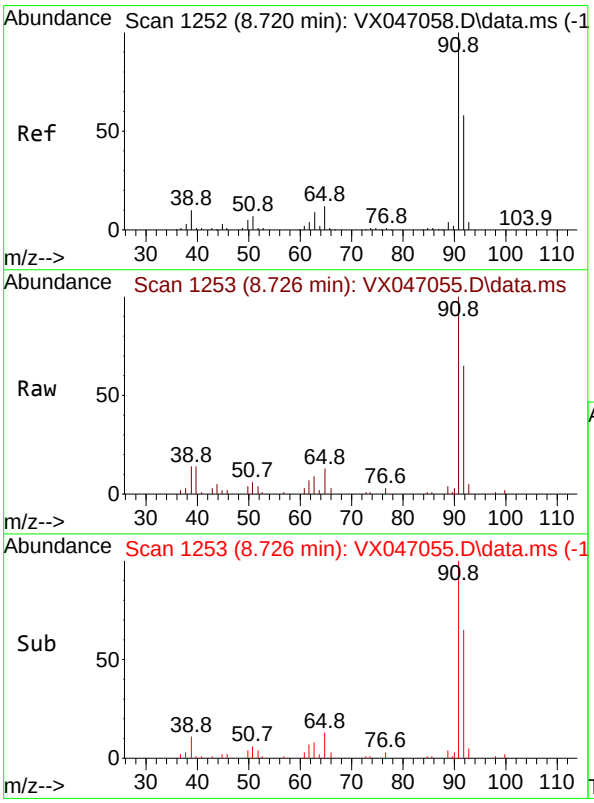
#51
4-Methyl-2-Pentanone
Concen: 4.131 ug/l
RT: 8.580 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 21616

Ion	Ratio	Lower	Upper
43	100		
58	35.4	30.6	45.8

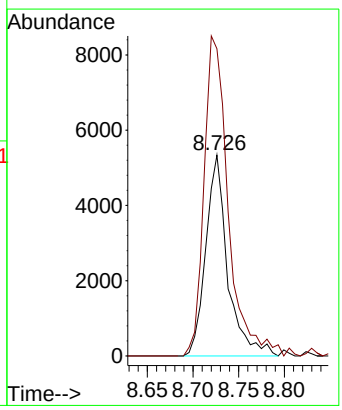


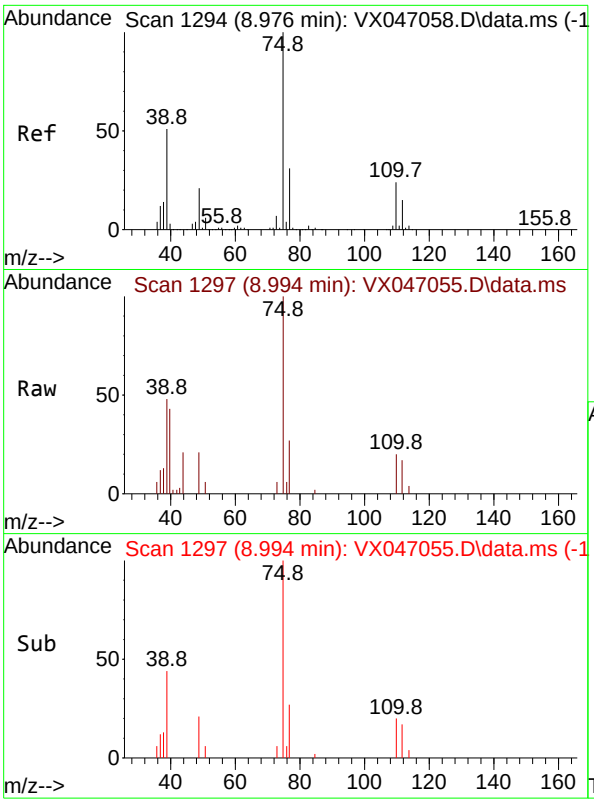


#52
Toluene
Concen: 0.814 ug/l
RT: 8.726 min Scan# 1253
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 92 Resp: 8872

Ion	Ratio	Lower	Upper
92	100		
91	177.3	137.9	206.9



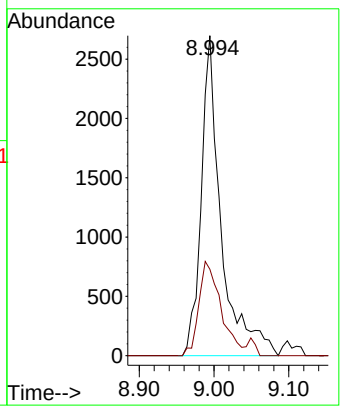


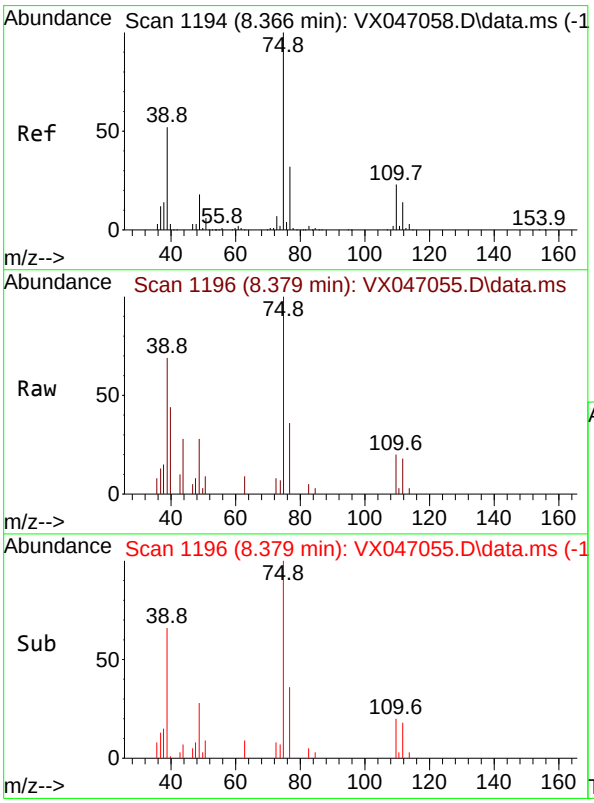
#53
t-1,3-Dichloropropene
Concen: 0.798 ug/l
RT: 8.994 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 4993

Ion	Ratio	Lower	Upper
75	100		
77	27.0	24.5	36.7

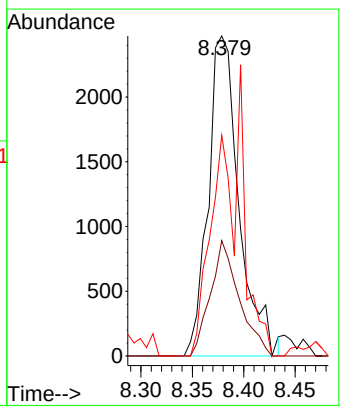


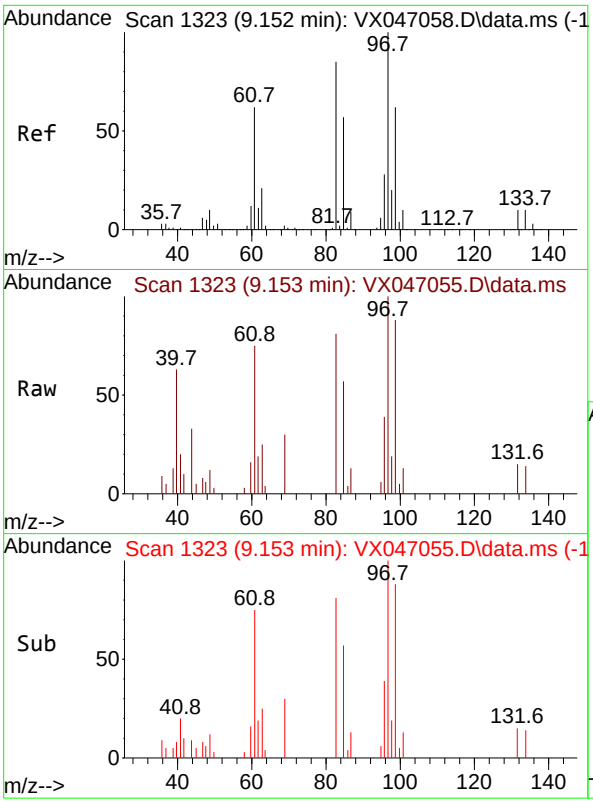


#54
cis-1,3-Dichloropropene
Concen: 0.751 ug/l
RT: 8.379 min Scan# 1196
Delta R.T. 0.013 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 75 Resp: 5149

Ion	Ratio	Lower	Upper
75	100		
77	36.0	25.4	38.0
39	25.1	41.8	62.6#



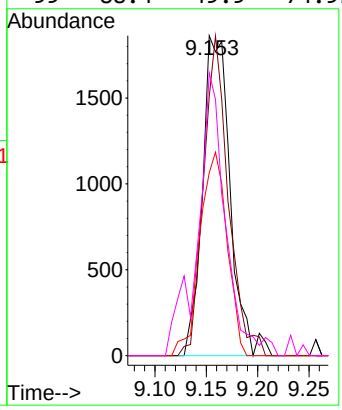


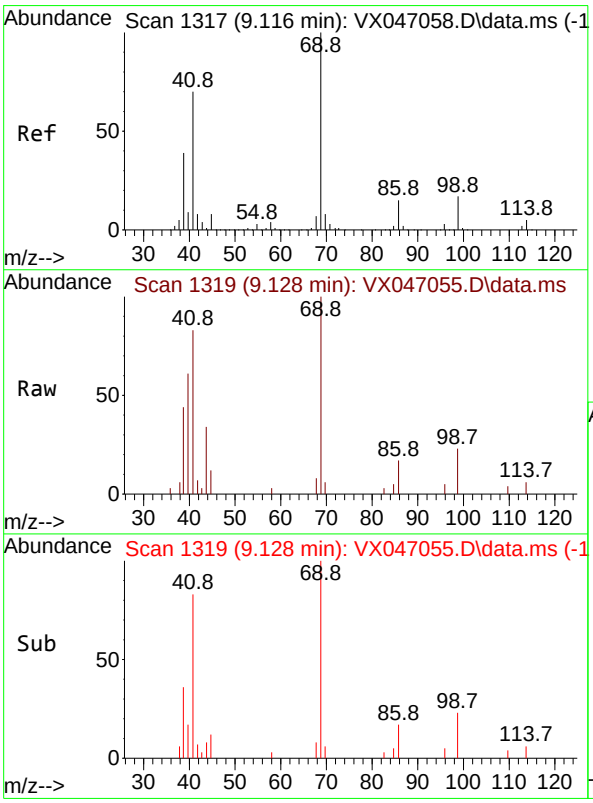
#55
1,1,2-Trichloroethane
Concen: 0.853 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 97 Resp: 3490

Ion	Ratio	Lower	Upper
97	100		
83	81.0	68.0	102.0
85	57.2	45.2	67.8
99	88.4	49.9	74.9#

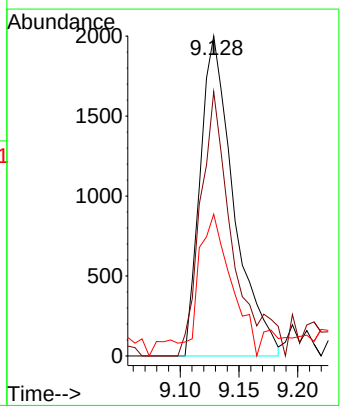


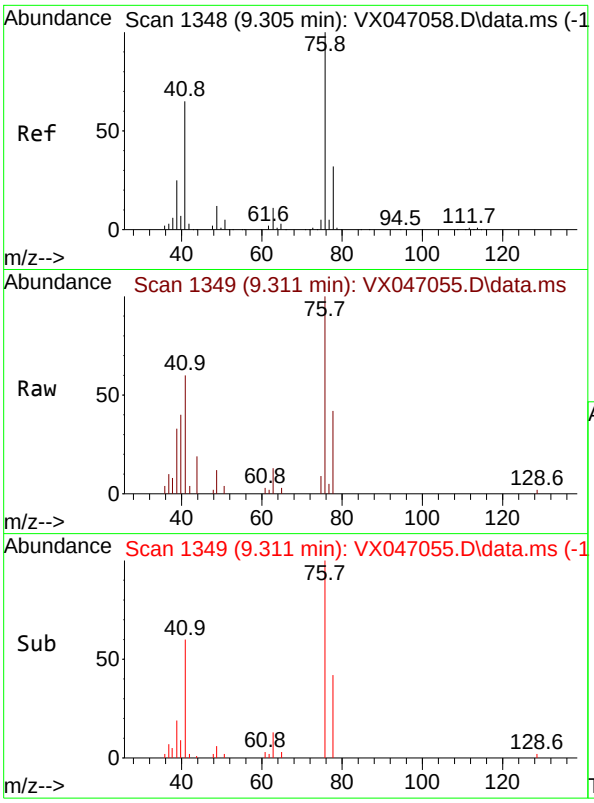


#56
Ethyl methacrylate
Concen: 0.657 ug/l
RT: 9.128 min Scan# 1319
Delta R.T. 0.013 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 69 Resp: 3978

Ion	Ratio	Lower	Upper
69	100		
41	78.7	56.1	84.1
39	42.5	31.1	46.7



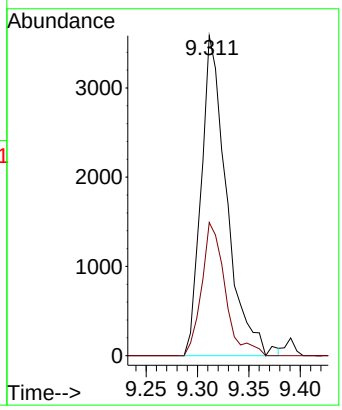


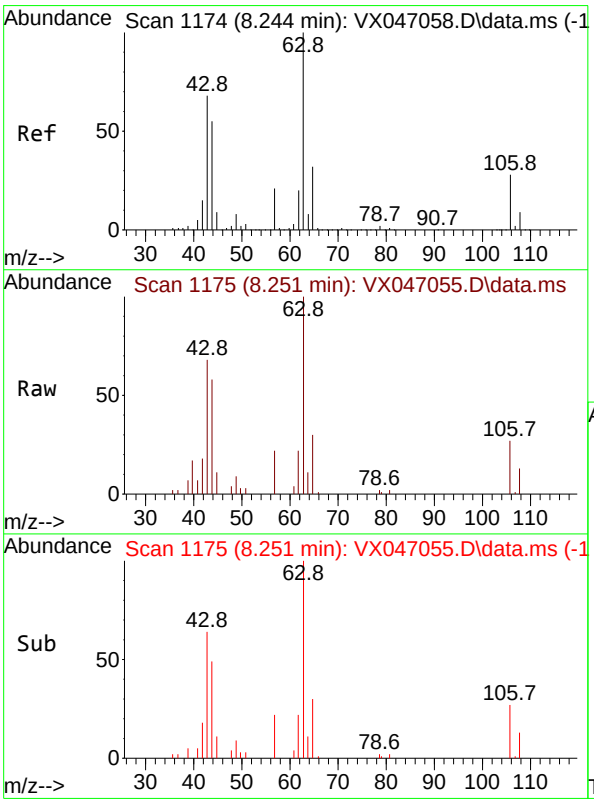
#57
1,3-Dichloropropane
Concen: 0.868 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 76 Resp: 6170

Ion	Ratio	Lower	Upper
76	100		
78	38.4	25.5	38.3#

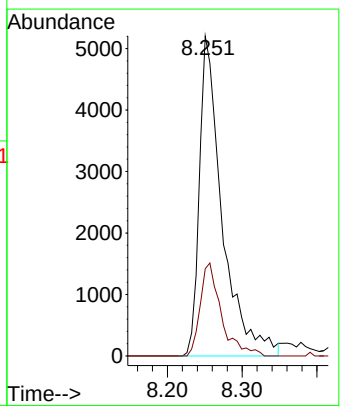


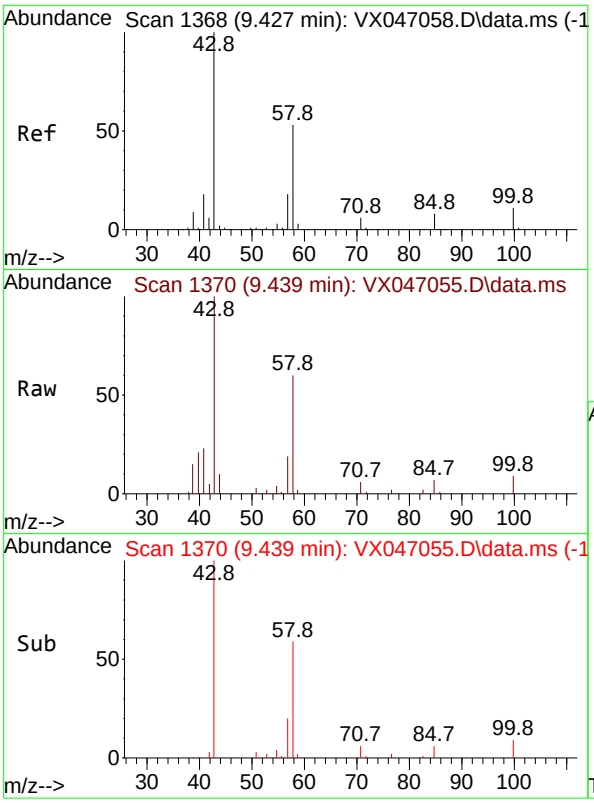


#58
2-Chloroethyl Vinyl ether
Concen: 3.268 ug/l
RT: 8.251 min Scan# 1175
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 63 Resp: 11010

Ion	Ratio	Lower	Upper
63	100		
106	27.0	22.2	33.4



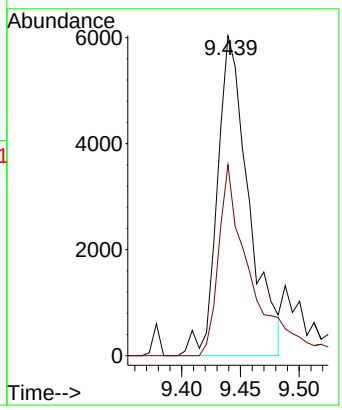


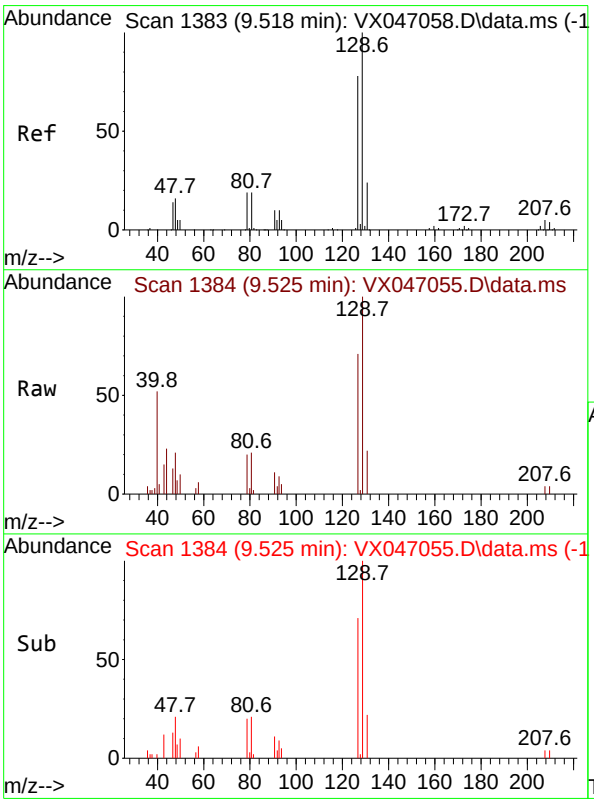
#59
2-Hexanone
Concen: 3.240 ug/l
RT: 9.439 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 43 Resp: 11200

Ion	Ratio	Lower	Upper
43	100		
58	61.9	26.5	79.5

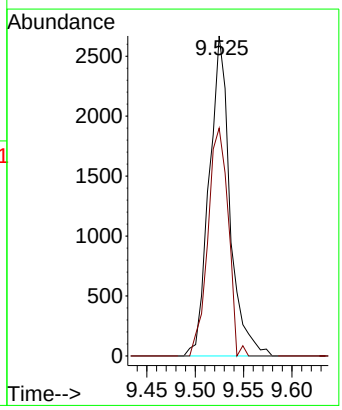


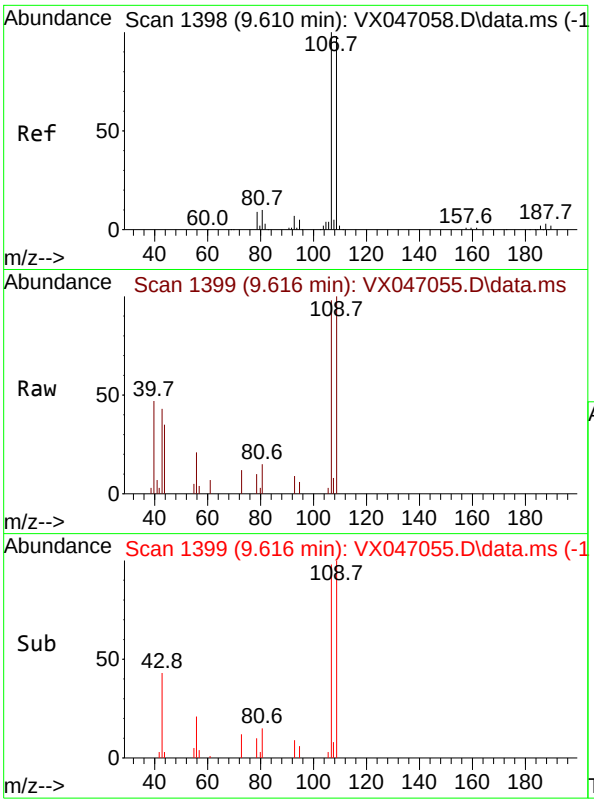


#60
Dibromochloromethane
Concen: 0.834 ug/l
RT: 9.525 min Scan# 1384
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:129 Resp: 3998

Ion	Ratio	Lower	Upper
129	100		
127	69.2	38.6	115.8



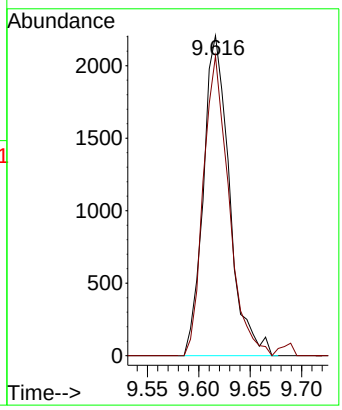


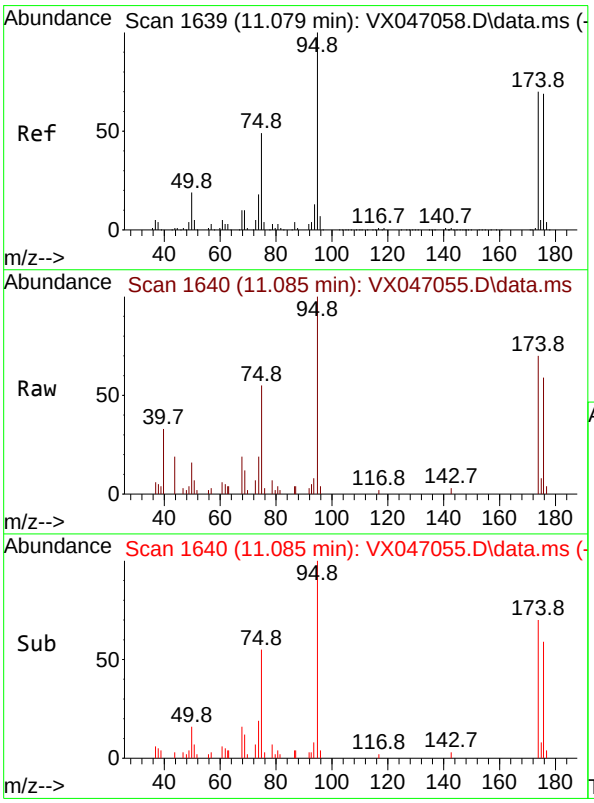
#61
1,2-Dibromoethane
Concen: 0.909 ug/l
RT: 9.616 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:107 Resp: 3885

Ion	Ratio	Lower	Upper
107	100		
109	91.7	74.6	112.0

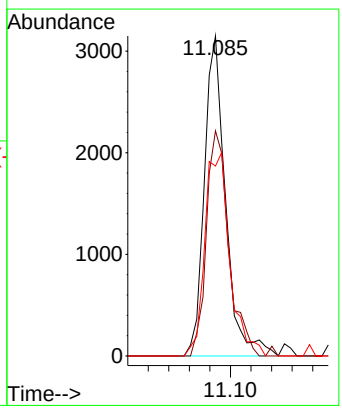


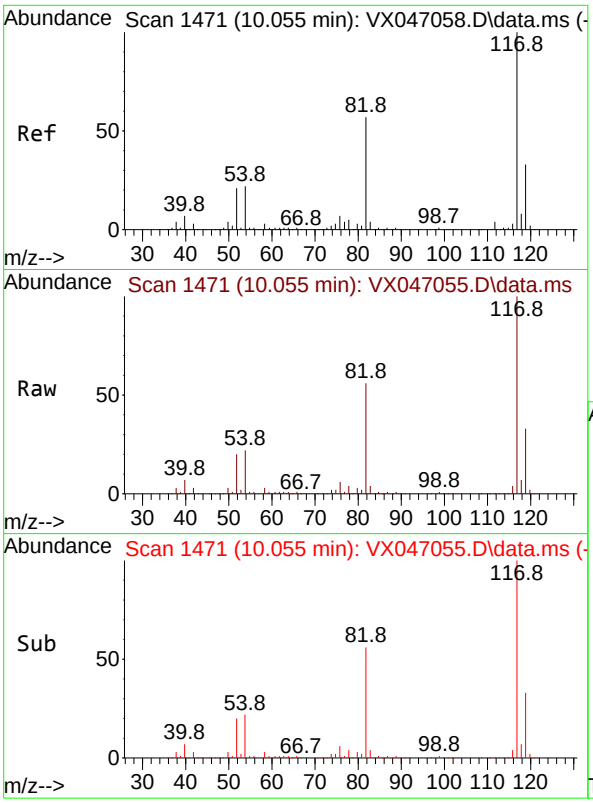


#62
4-Bromofluorobenzene
Concen: 0.900 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 95 Resp: 4514

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	144.6
176	74.5	0.0	139.6



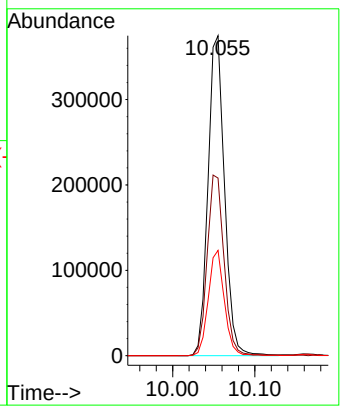


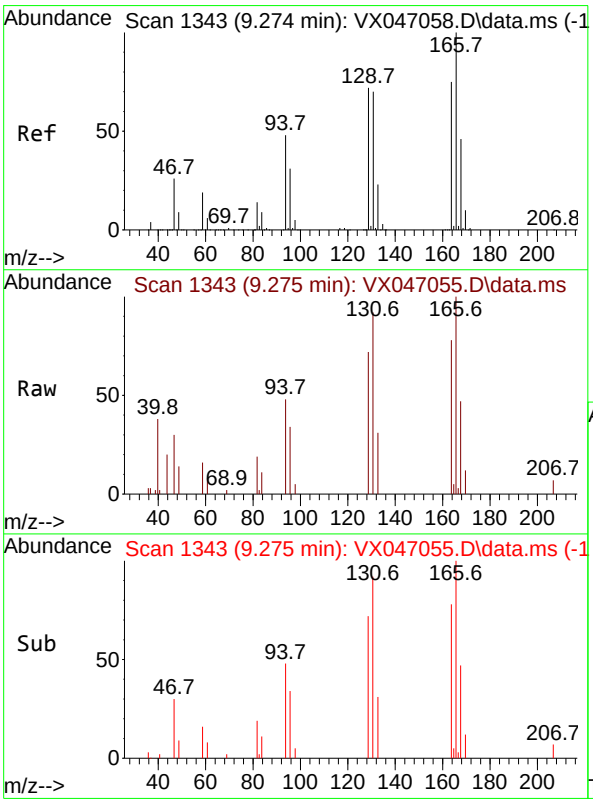
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:117 Resp: 522701

Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.4	68.2
119	32.9	26.1	39.1

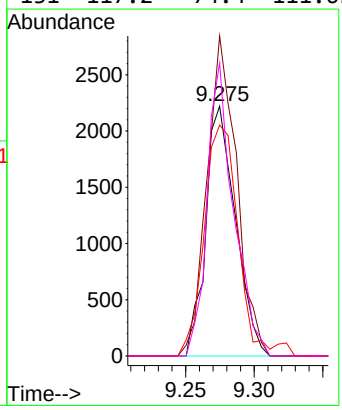


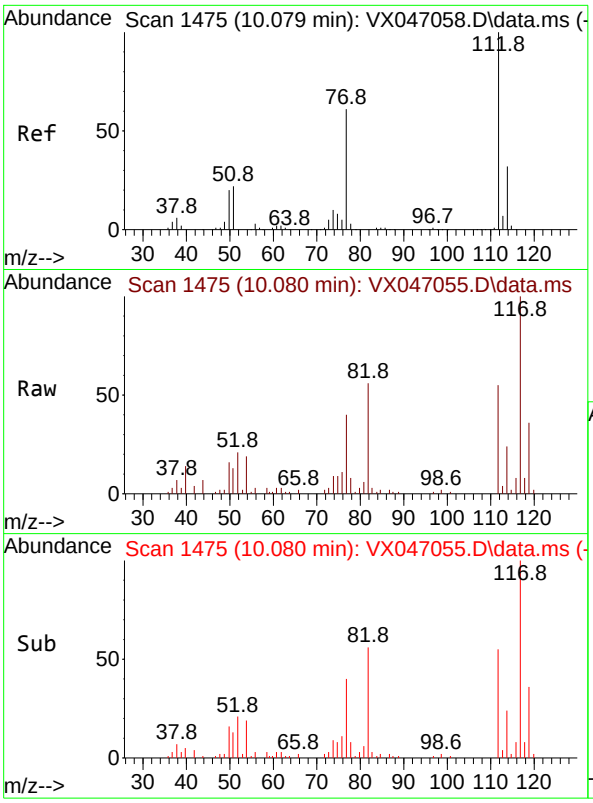


#64
Tetrachloroethene
Concen: 0.892 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:164 Resp: 3363

Ion	Ratio	Lower	Upper
164	100		
166	128.1	106.2	159.4
129	92.4	76.6	114.8
131	117.2	74.4	111.6#



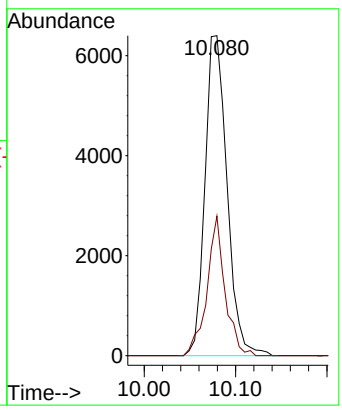


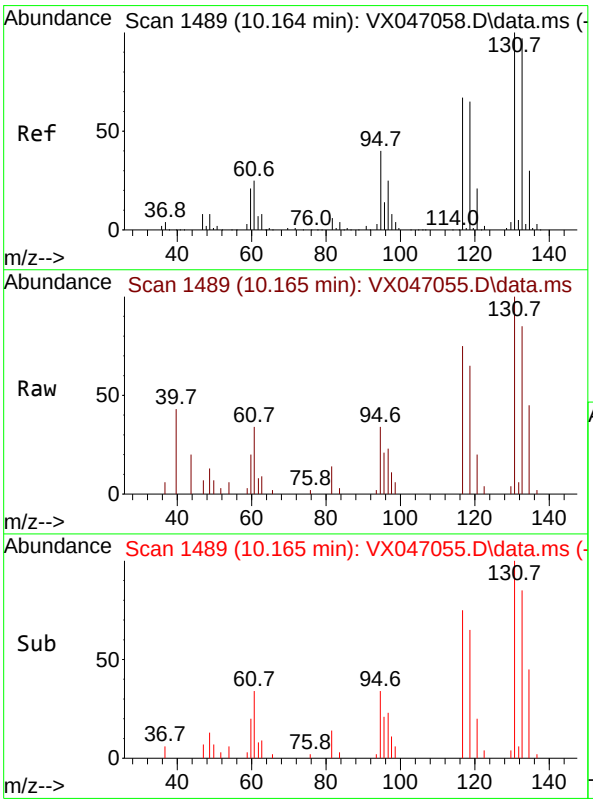
#65
Chlorobenzene
Concen: 0.878 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:112 Resp: 10754

Ion	Ratio	Lower	Upper
112	100		
114	43.6	25.8	38.6#

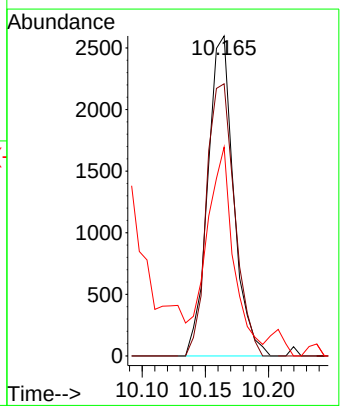


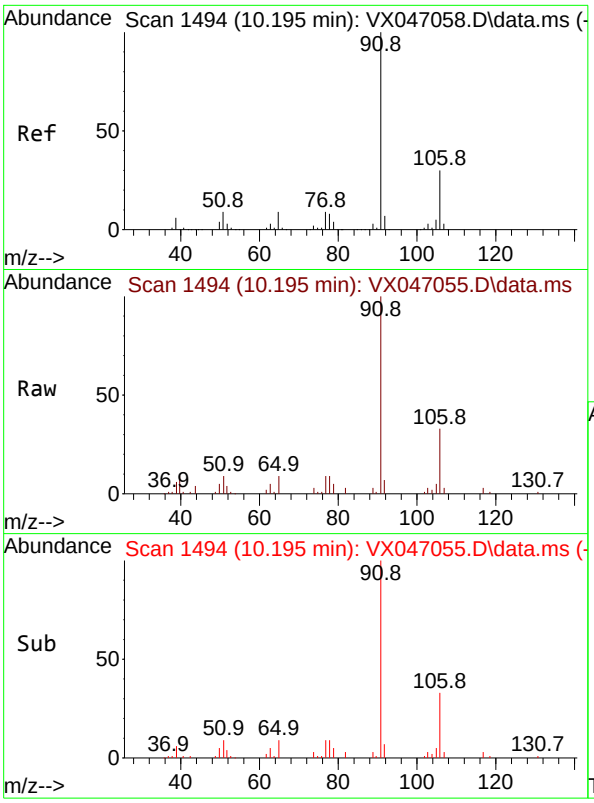


#66
1,1,1,2-Tetrachloroethane
Concen: 0.897 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:131 Resp: 3699

Ion	Ratio	Lower	Upper
131	100		
133	92.3	48.4	145.3
119	0.0	32.4	97.0#



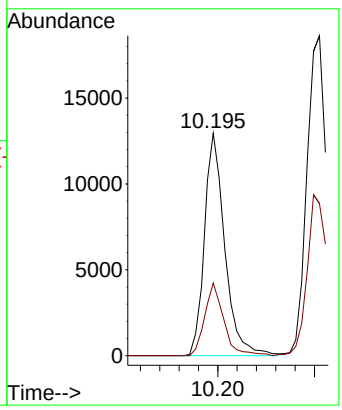


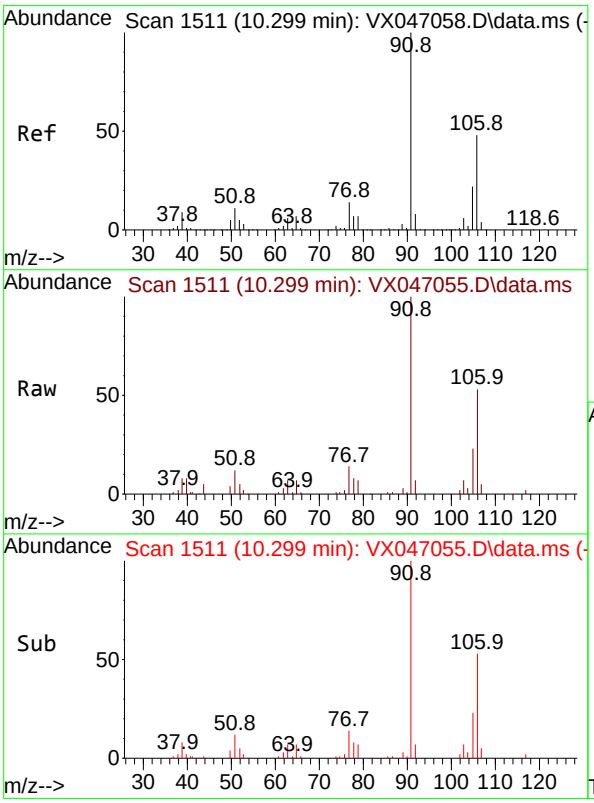
#67
Ethyl Benzene
Concen: 0.886 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 18959

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4

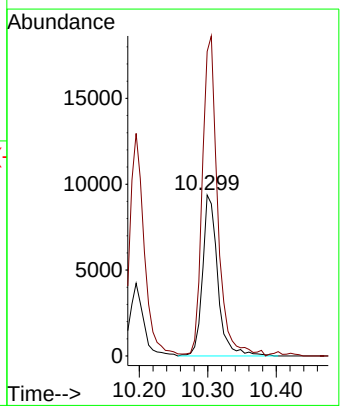


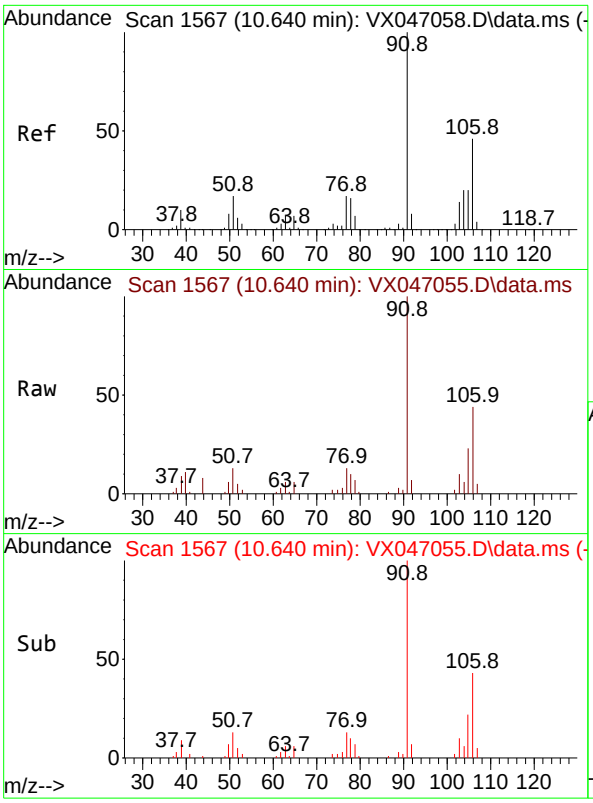


#68
m/p-Xylenes
Concen: 1.809 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:106 Resp: 14496

Ion	Ratio	Lower	Upper
106	100		
91	200.4	167.4	251.0



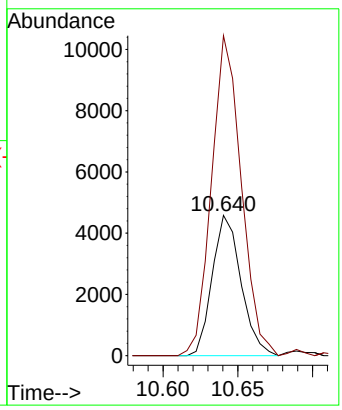


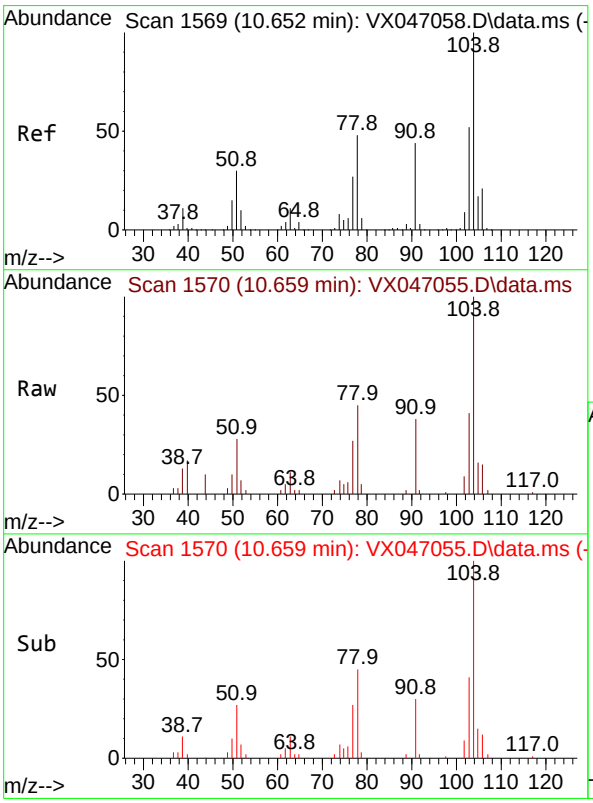
#69
o-Xylene
Concen: 0.804 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:106 Resp: 6125

Ion	Ratio	Lower	Upper
106	100		
91	235.9	110.3	331.0

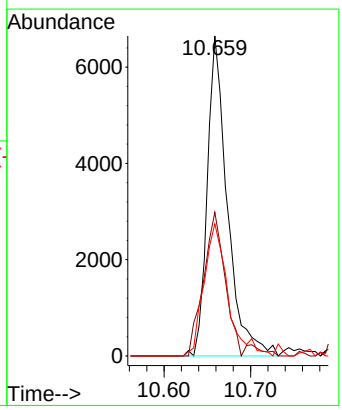


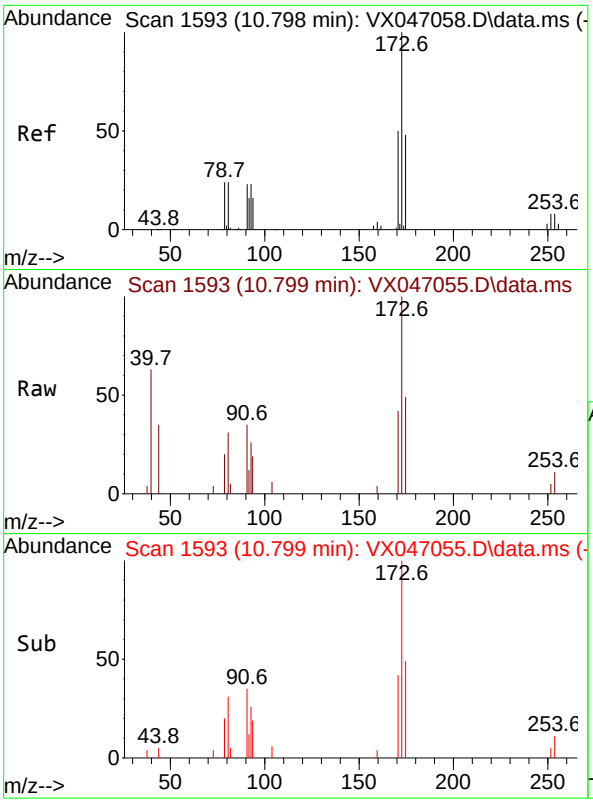


#70
Styrene
Concen: 0.819 ug/l
RT: 10.659 min Scan# 1570
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:104 Resp: 10704

Ion	Ratio	Lower	Upper
104	100		
78	48.6	42.0	63.0
103	49.0	43.8	65.6



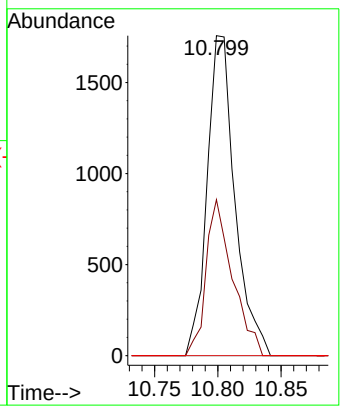


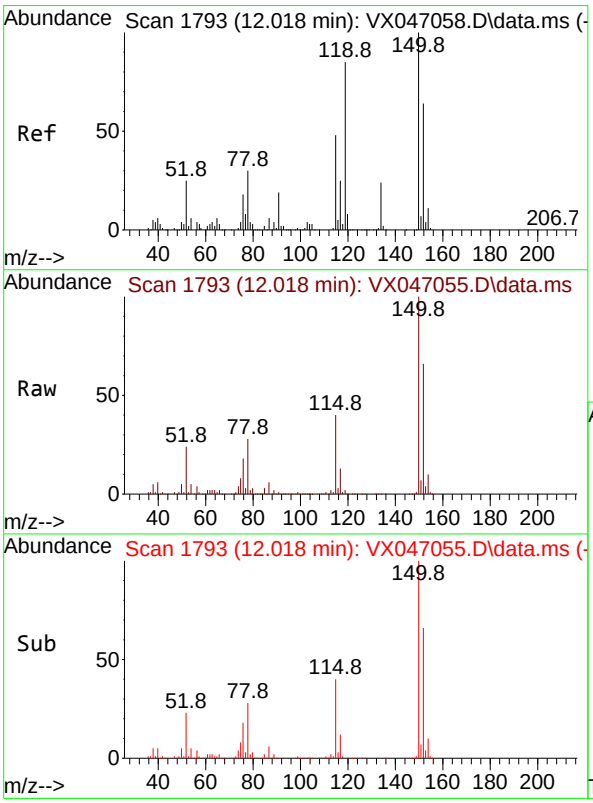
#71
Bromoform
Concen: 0.858 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:173 Resp: 2687

Ion	Ratio	Lower	Upper
173	100		
175	46.5	24.2	72.6
254	0.0	0.1	0.1#

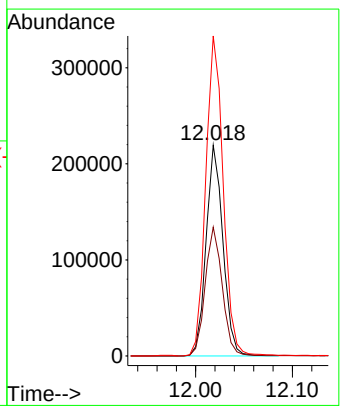


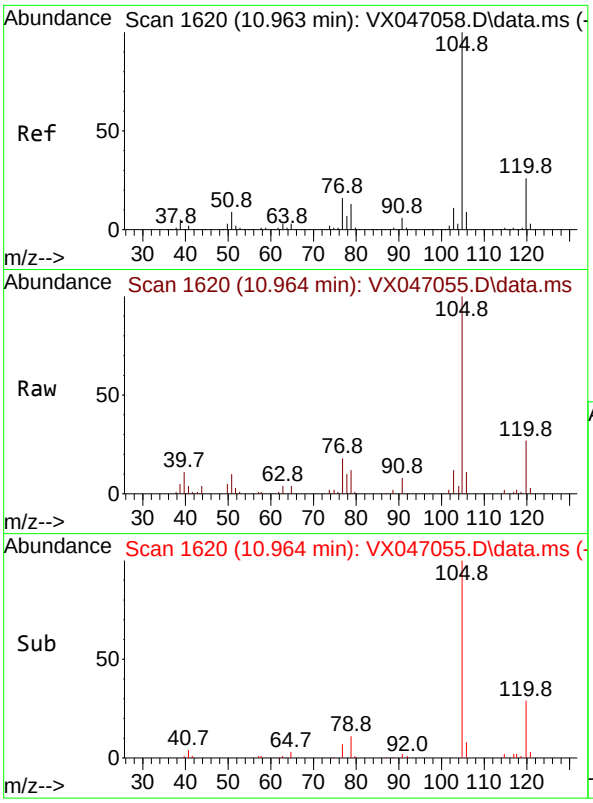


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:152 Resp: 266871

Ion	Ratio	Lower	Upper
152	100		
115	61.9	45.6	136.7
150	157.0	0.0	354.6



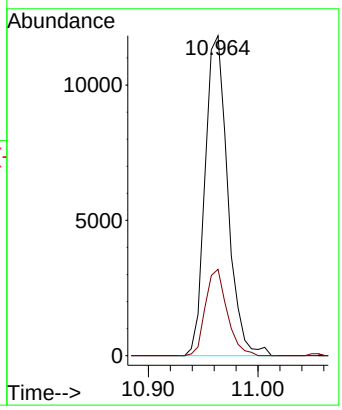


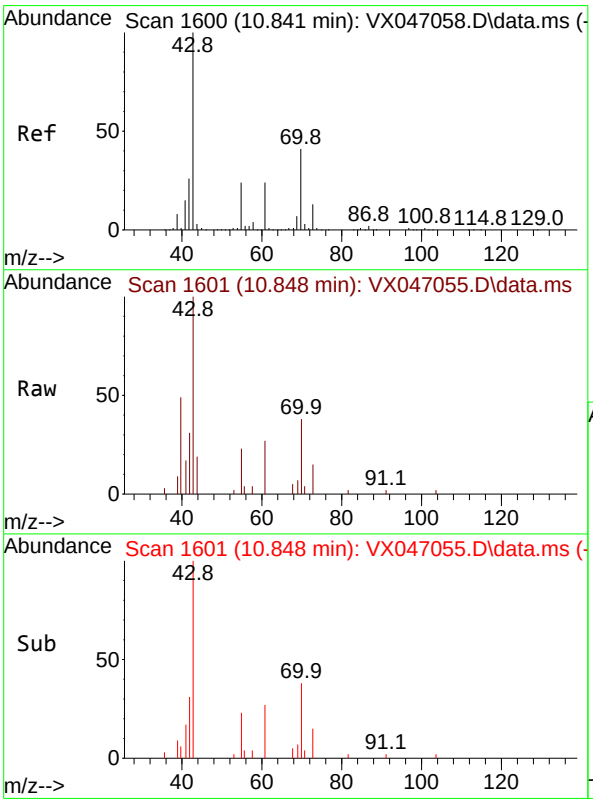
#73
Isopropylbenzene
Concen: 0.806 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 16971

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

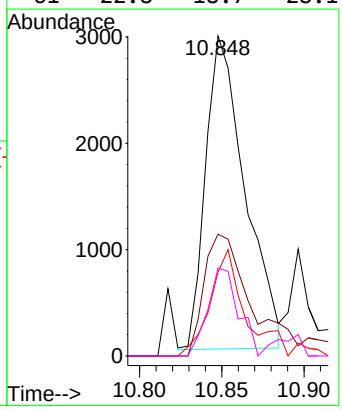


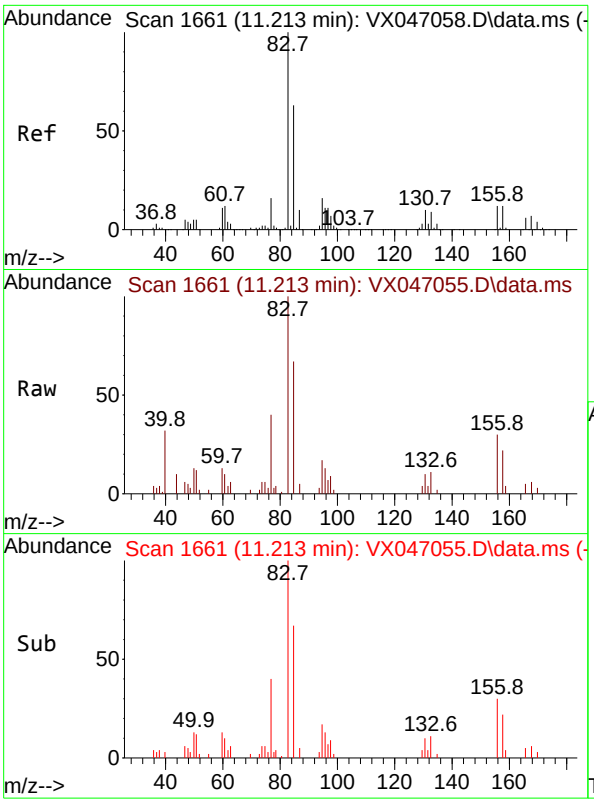


#74
N-amyl acetate
Concen: 0.585 ug/l
RT: 10.848 min Scan# 1601
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 43 Resp: 4913

Ion	Ratio	Lower	Upper
43	100		
70	49.2	32.3	48.5#
55	31.6	18.9	28.3#
61	22.8	18.7	28.1



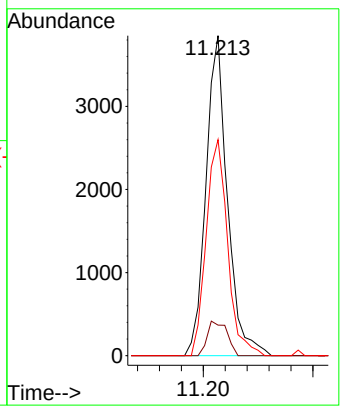


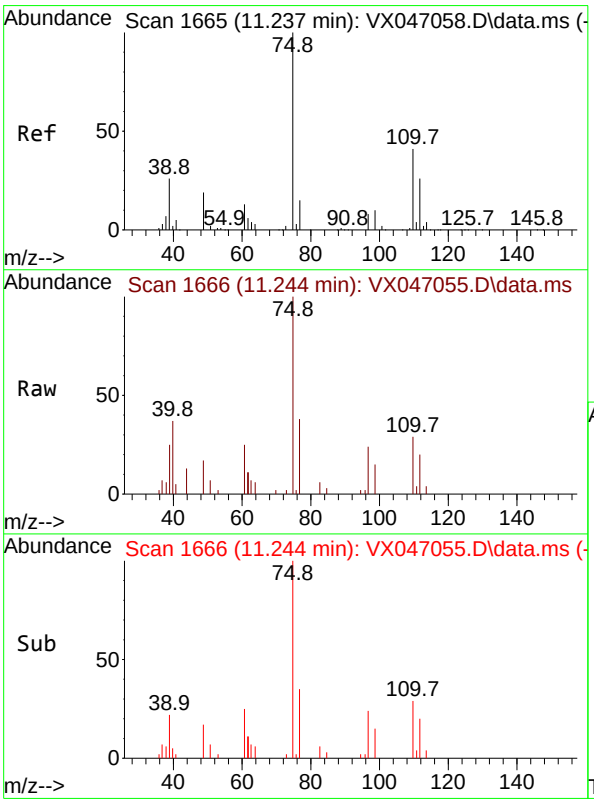
#75
1,1,2,2-Tetrachloroethane
Concen: 0.868 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 83 Resp: 5223

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	67.6	32.0	96.2

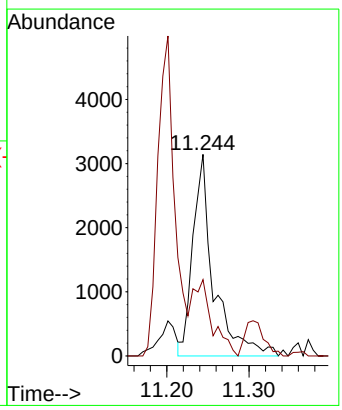


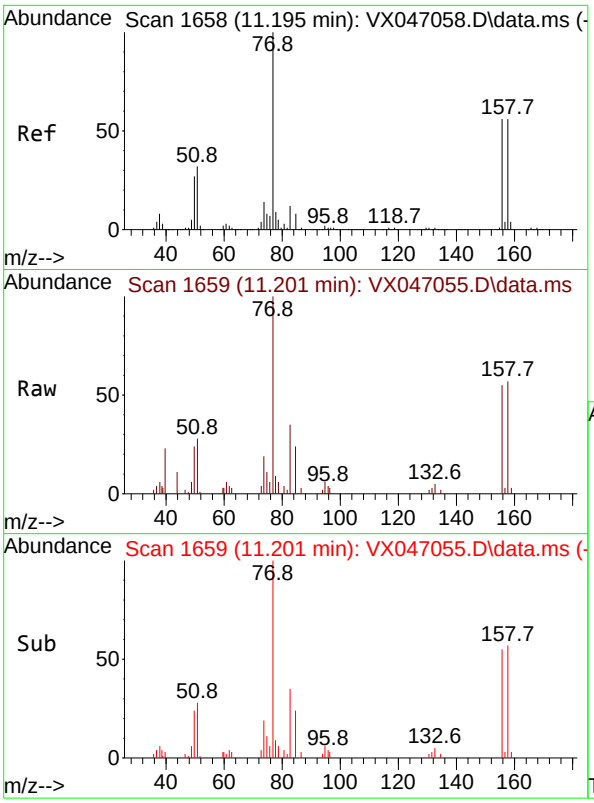


#76
1,2,3-Trichloropropane
Concen: 1.120 ug/l
RT: 11.244 min Scan# 1666
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 75 Resp: 5532

Ion	Ratio	Lower	Upper
75	100		
77	35.7	21.6	65.0



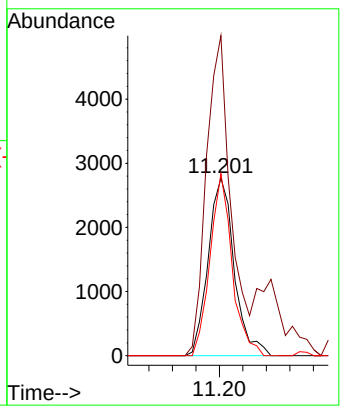


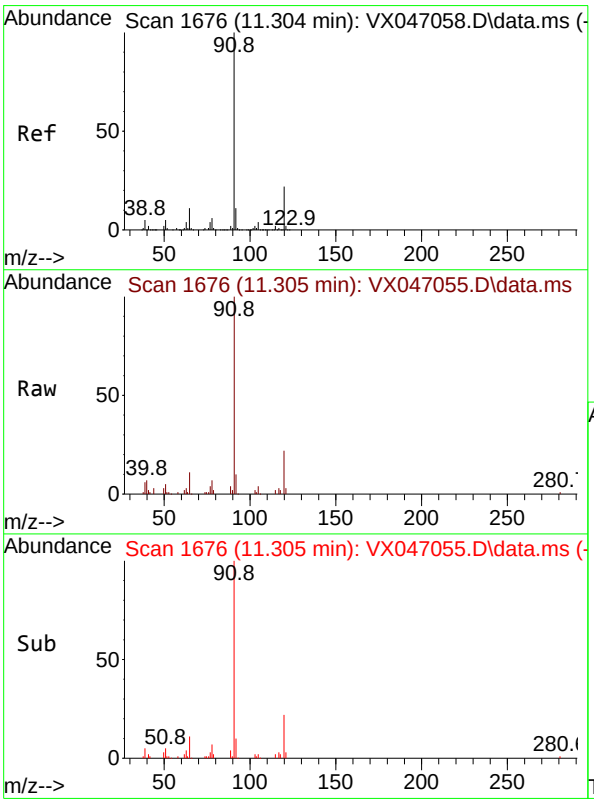
#77
Bromobenzene
Concen: 0.842 ug/l
RT: 11.201 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:156 Resp: 4251

Ion	Ratio	Lower	Upper
156	100		
77	168.9	87.3	261.9
158	87.1	48.9	146.6

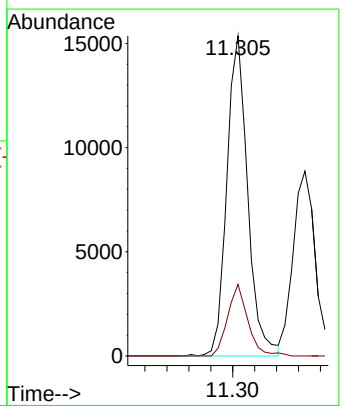


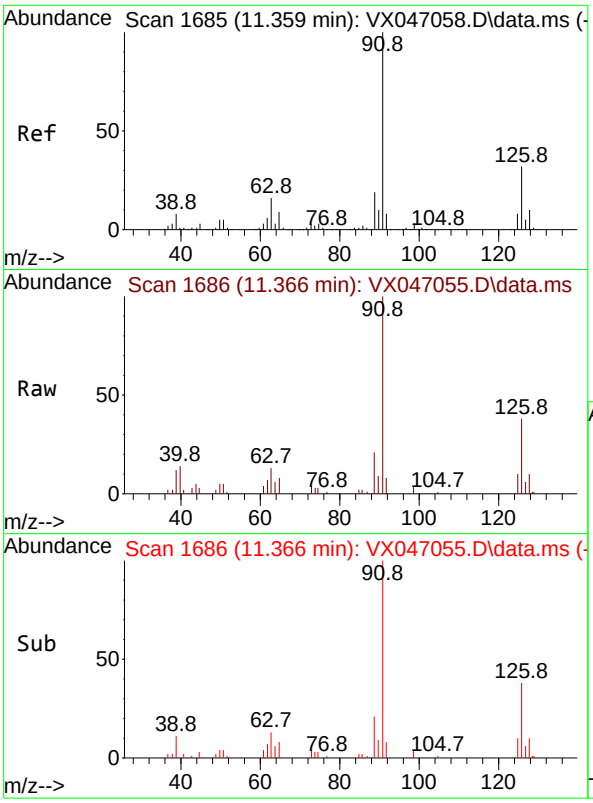


#78
n-propylbenzene
Concen: 0.805 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 91 Resp: 20259

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.0	33.0



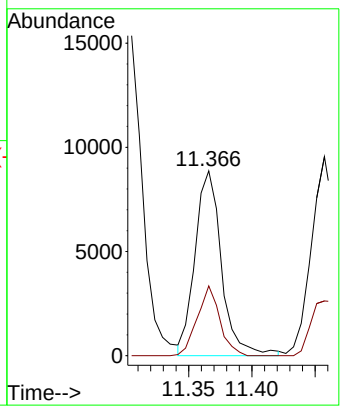


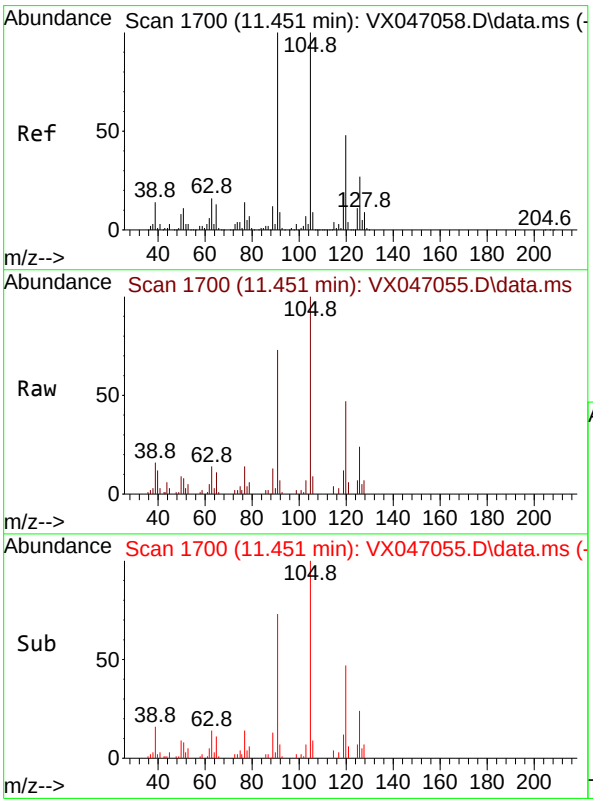
#79
2-Chlorotoluene
Concen: 0.862 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 12959

Ion	Ratio	Lower	Upper
91	100		
126	32.0	16.4	49.4

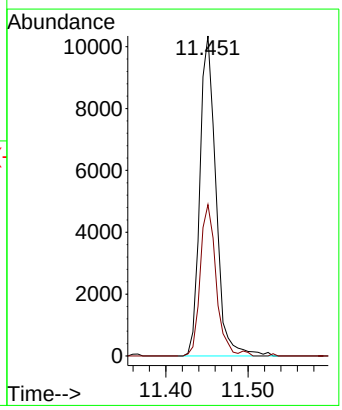


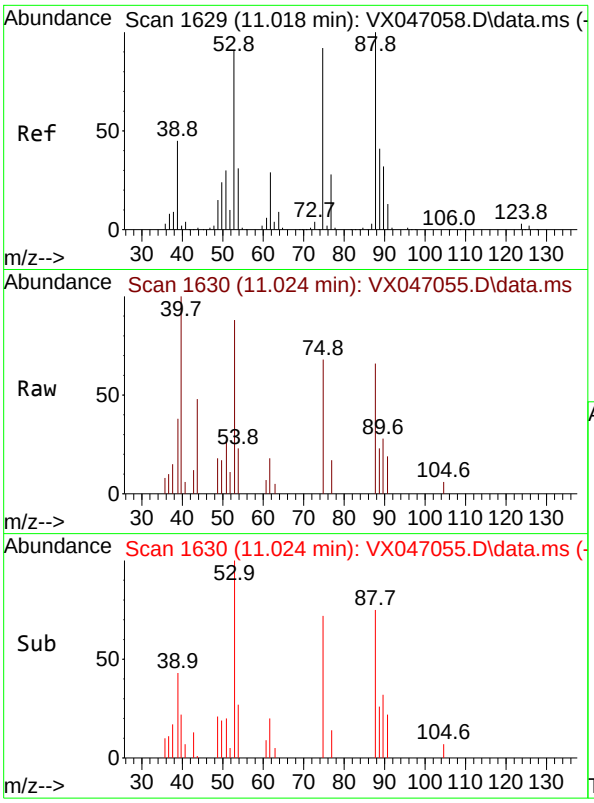


#80
1,3,5-Trimethylbenzene
Concen: 0.810 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:105 Resp: 14083

Ion	Ratio	Lower	Upper
105	100		
120	46.3	23.8	71.5



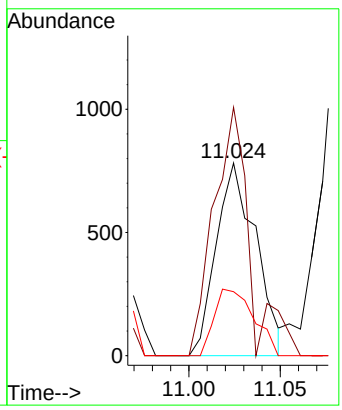


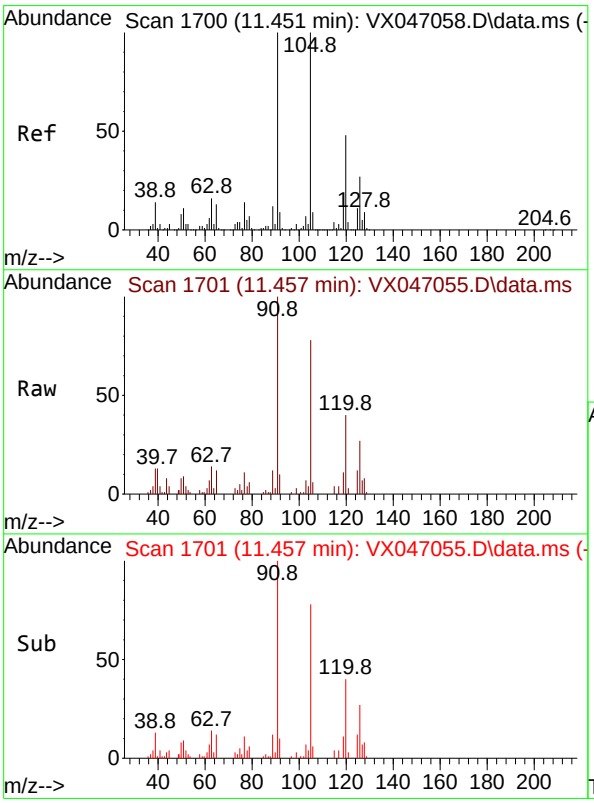
#81
trans-1,4-Dichloro-2-butene
Concen: 0.616 ug/l
RT: 11.024 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 75 Resp: 1181

Ion	Ratio	Lower	Upper
75	100		
53	116.1	84.2	126.4
89	34.5	36.0	54.0#

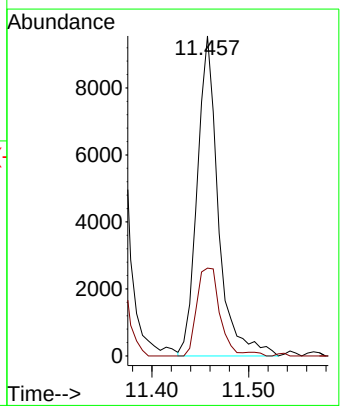


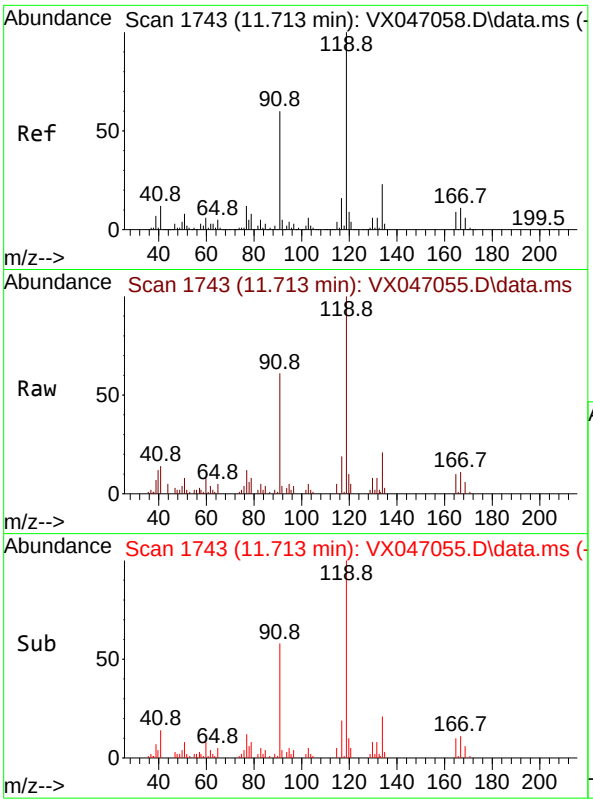


#82
4-Chlorotoluene
Concen: 0.827 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 91 Resp: 14521

Ion	Ratio	Lower	Upper
91	100		
126	29.6	14.1	42.3



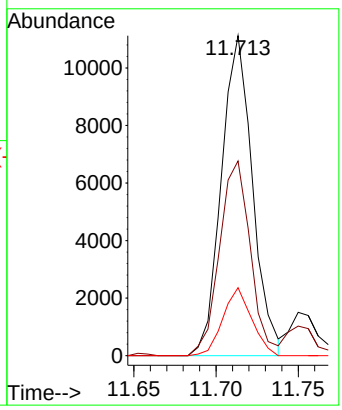


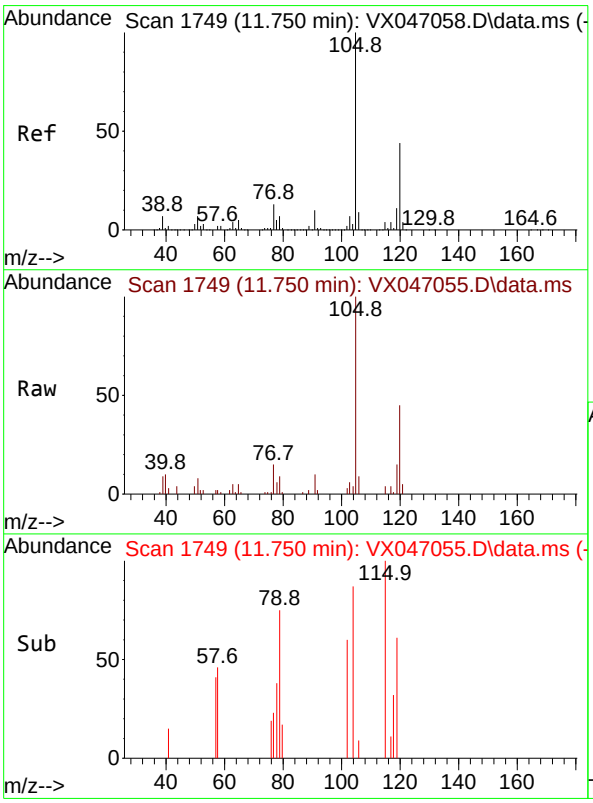
#83
tert-Butylbenzene
Concen: 0.839 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:119 Resp: 14652

Ion	Ratio	Lower	Upper
119	100		
91	60.5	29.6	88.8
134	19.6	11.4	34.1

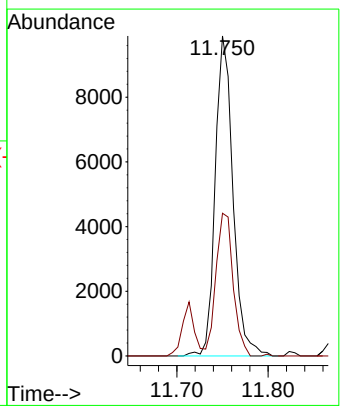


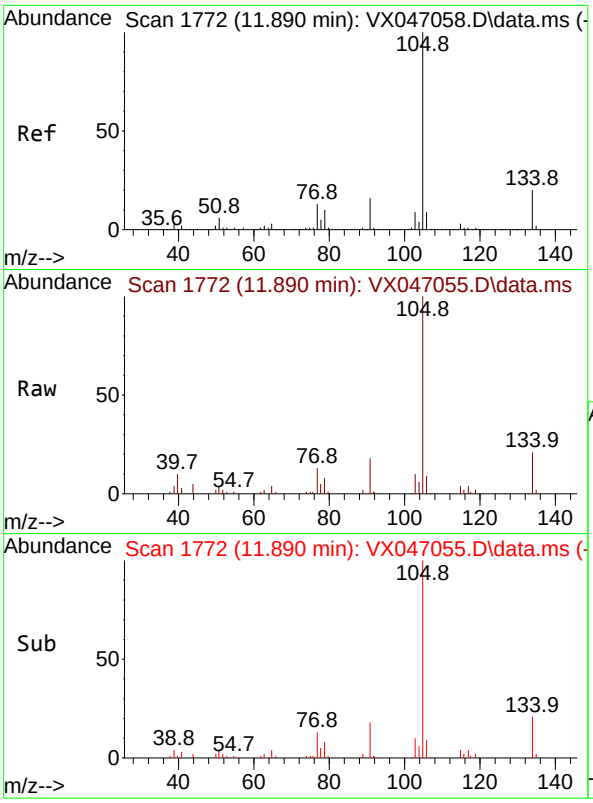


#84
1,2,4-Trimethylbenzene
Concen: 0.770 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:105 Resp: 13354

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.0	66.0



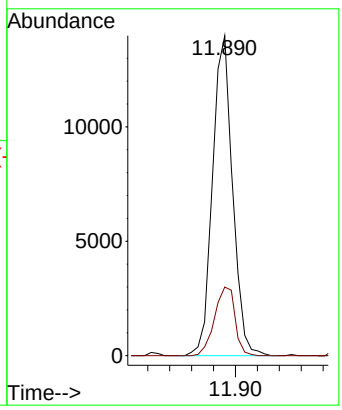


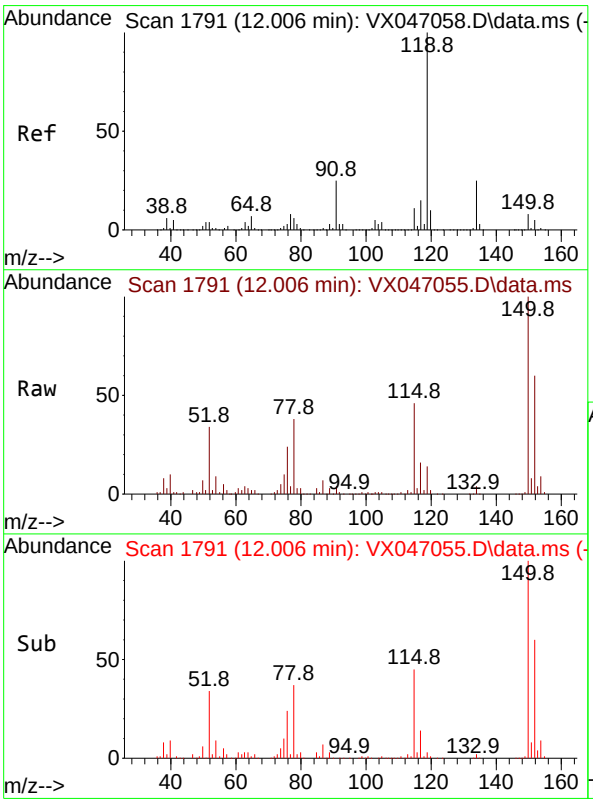
#85
sec-Butylbenzene
Concen: 0.814 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:105 Resp: 17765

Ion	Ratio	Lower	Upper
105	100		
134	21.9	9.9	29.7

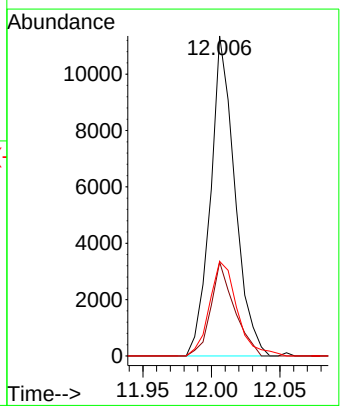


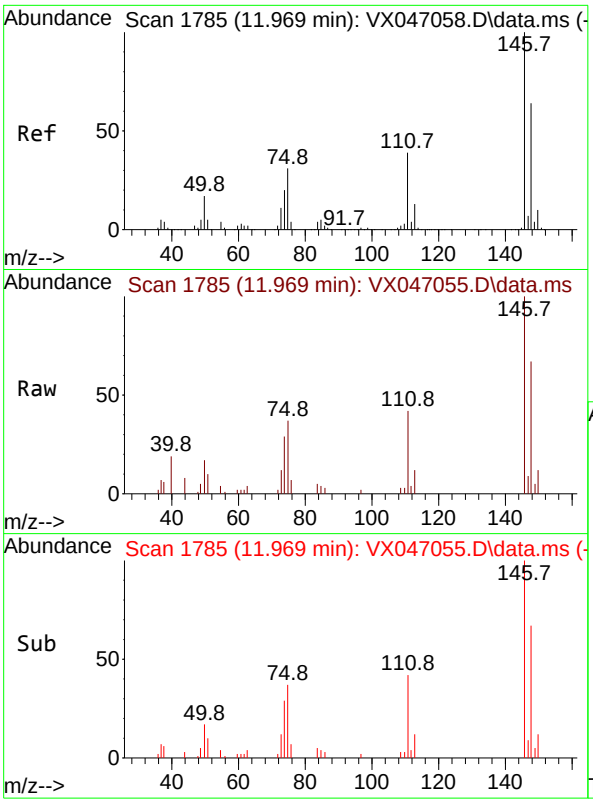


#86
p-Isopropyltoluene
Concen: 0.775 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:119 Resp: 14016

Ion	Ratio	Lower	Upper
119	100		
134	28.3	12.8	38.4
91	33.5	12.4	37.4



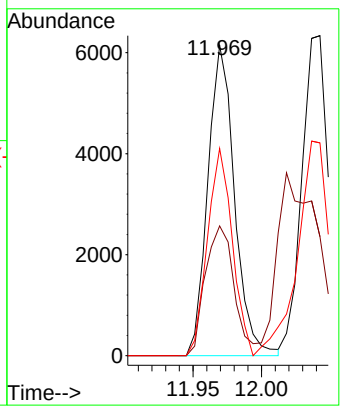


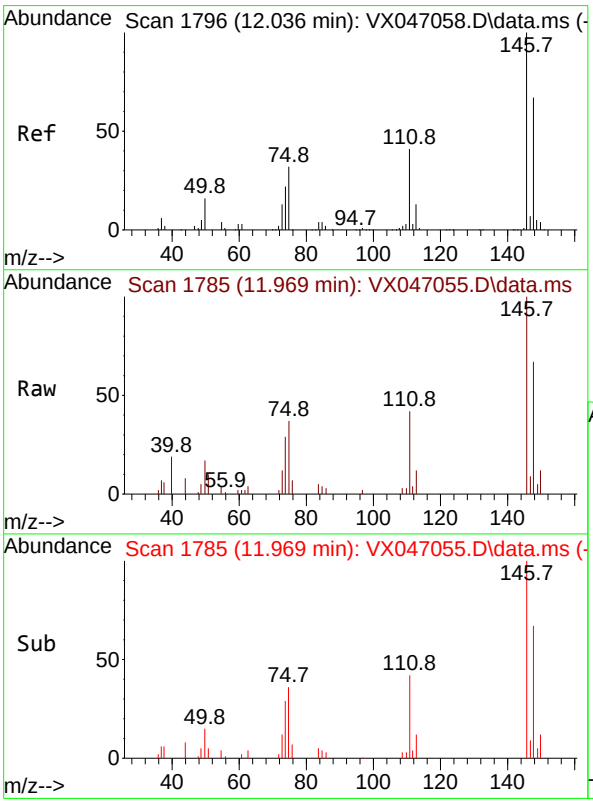
#87
1,3-Dichlorobenzene
Concen: 0.869 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 8335

Ion	Ratio	Lower	Upper
146	100		
111	44.9	21.0	63.0
148	62.1	32.0	96.0

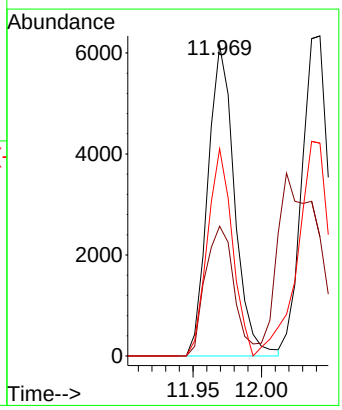


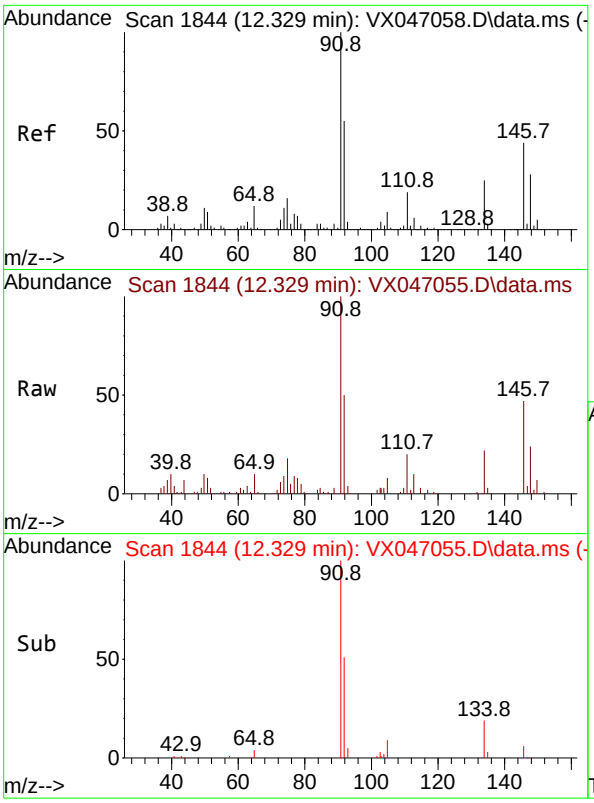


#88
1,4-Dichlorobenzene
Concen: 0.857 ug/l
RT: 11.969 min Scan# 1785
Delta R.T. -0.067 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:146 Resp: 8335

Ion	Ratio	Lower	Upper
146	100		
111	44.9	20.6	61.9
148	62.1	33.0	98.9



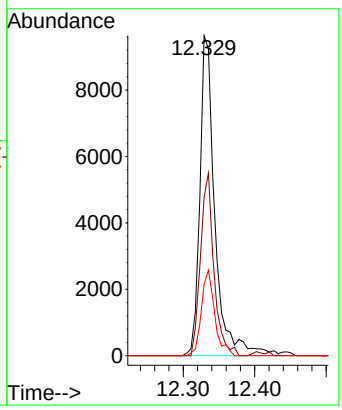


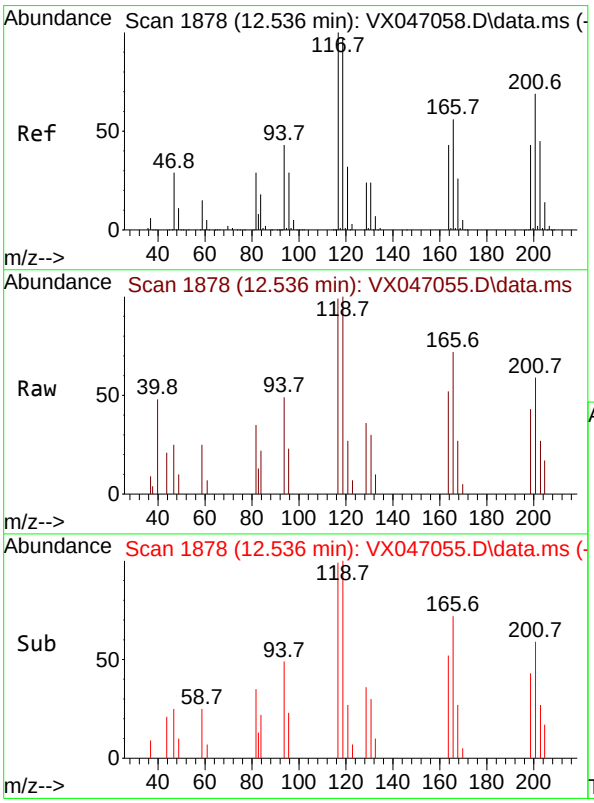
#89
n-Butylbenzene
Concen: 0.832 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion: 91 Resp: 14116

Ion	Ratio	Lower	Upper
91	100		
92	50.6	27.5	82.5
134	23.6	12.8	38.3

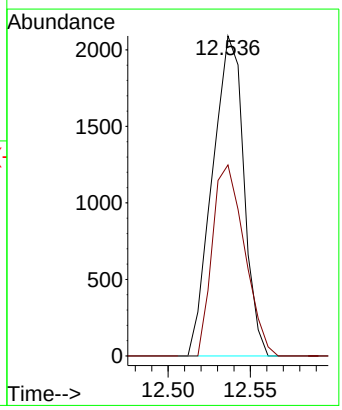


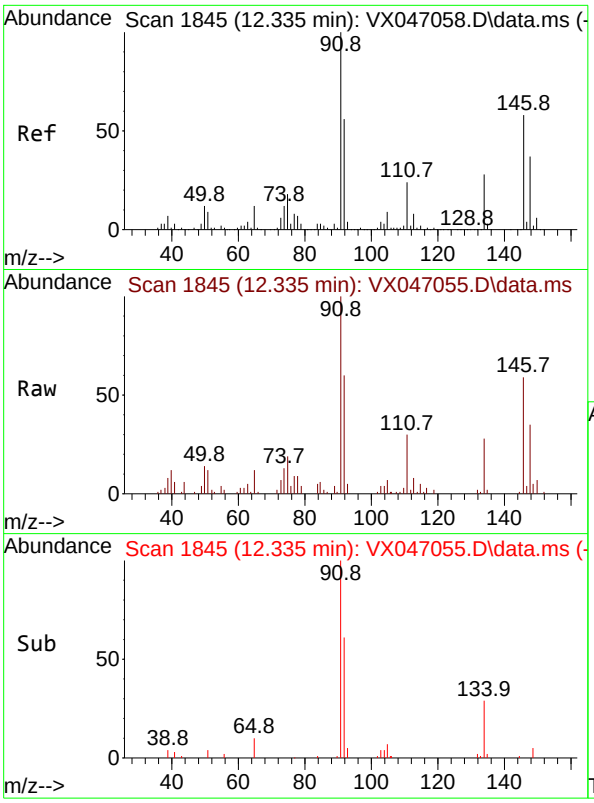


#90
Hexachloroethane
Concen: 0.857 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:117 Resp: 2772

Ion	Ratio	Lower	Upper
117	100		
201	61.4	34.8	104.5



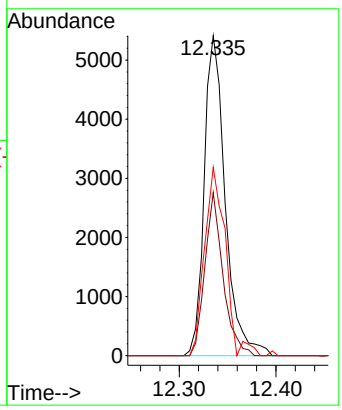


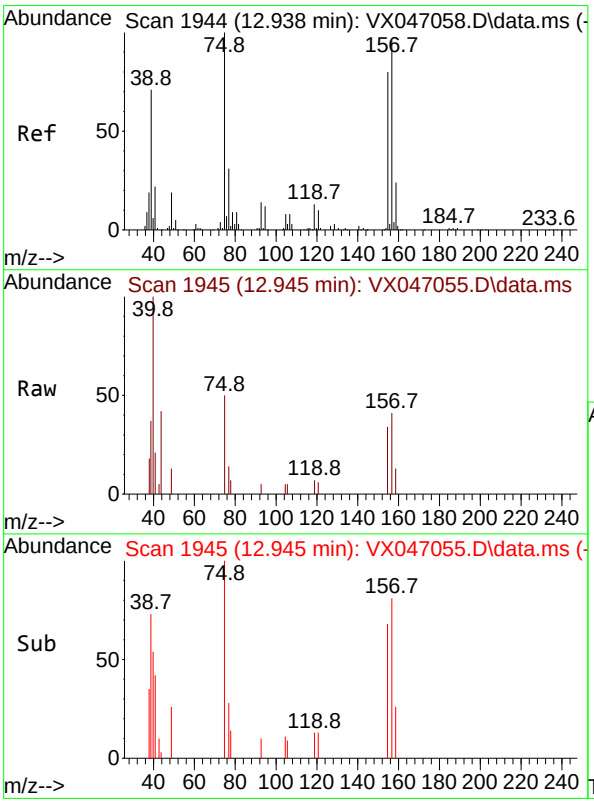
#91
1,2-Dichlorobenzene
Concen: 0.892 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:146 Resp: 8184

Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.6	64.6
148	58.7	31.9	95.7

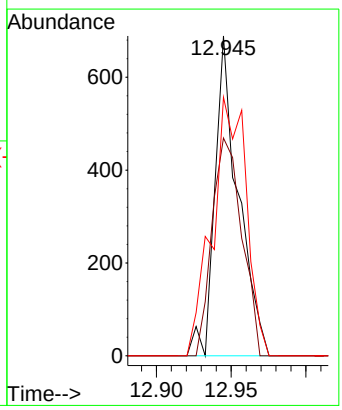


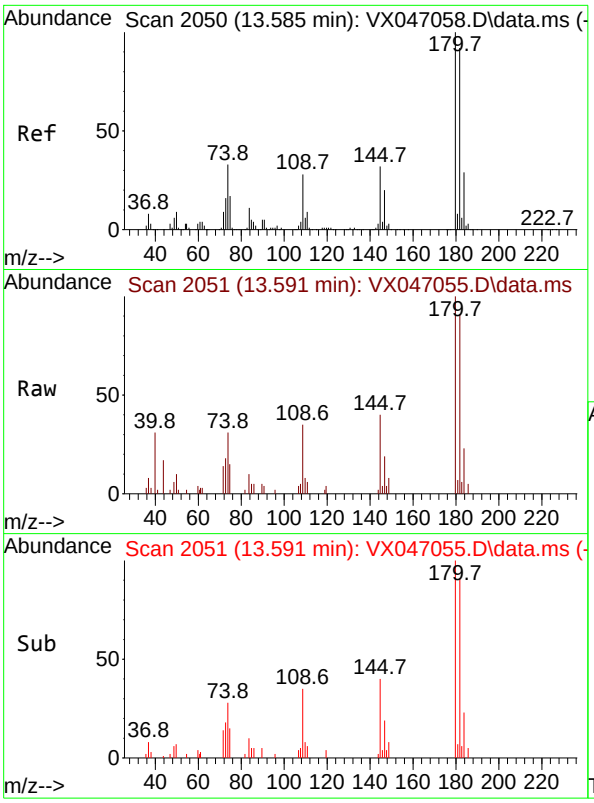


#92
1,2-Dibromo-3-Chloropropane
Concen: 0.649 ug/l
RT: 12.945 min Scan# 1945
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion: 75 Resp: 749

Ion	Ratio	Lower	Upper
75	100		
155	86.6	41.3	124.1
157	117.2	52.8	158.3



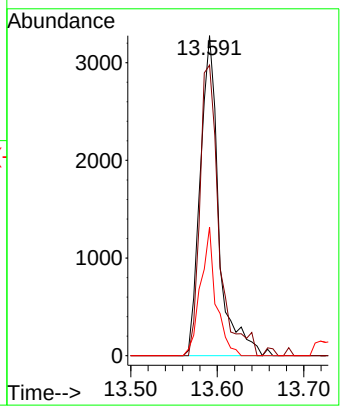


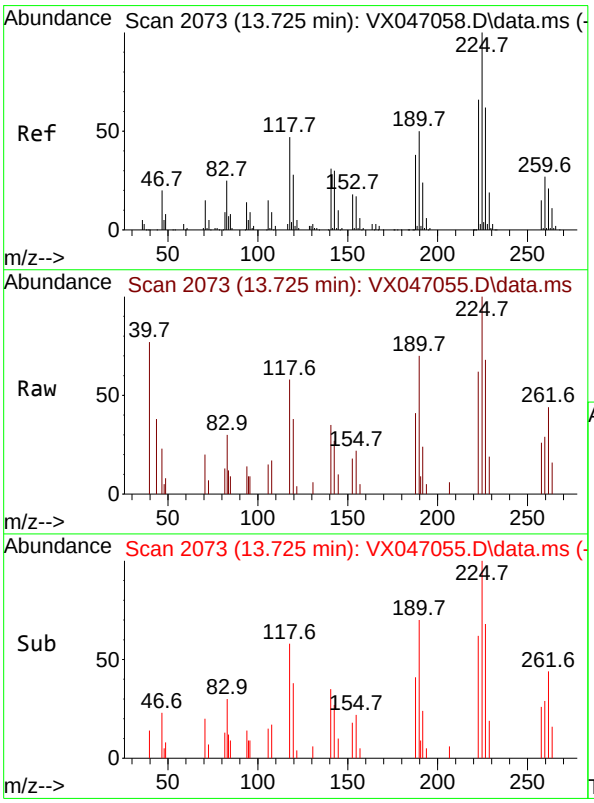
#93
1,2,4-Trichlorobenzene
Concen: 0.810 ug/l
RT: 13.591 min Scan# 2
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:180 Resp: 4906

Ion	Ratio	Lower	Upper
180	100		
182	92.4	47.3	141.8
145	33.2	16.4	49.1

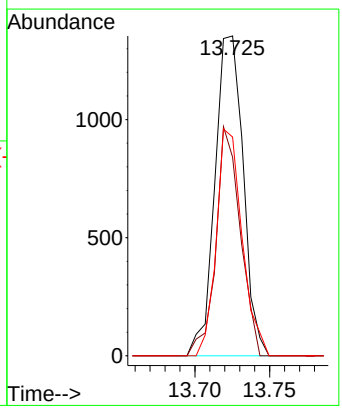


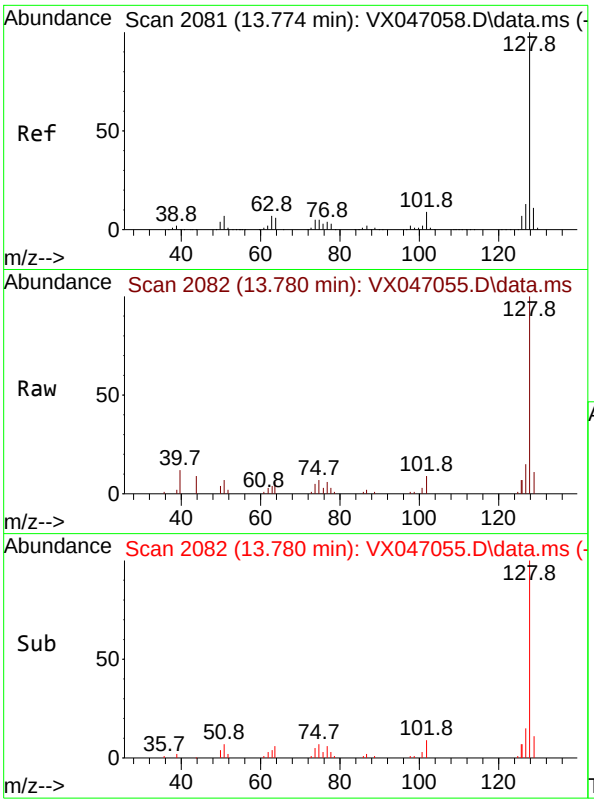


#94
Hexachlorobutadiene
Concen: 0.866 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:225 Resp: 1785

Ion	Ratio	Lower	Upper
225	100		
223	61.6	31.6	95.0
227	64.4	32.9	98.6



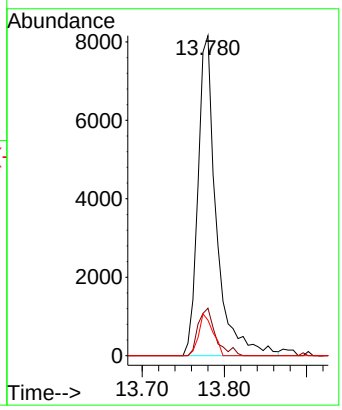


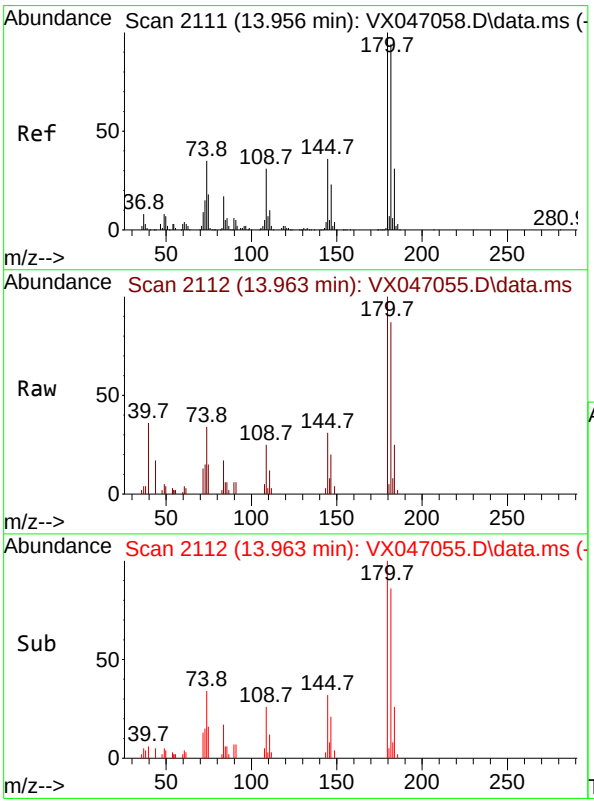
#95
Naphthalene
Concen: 0.712 ug/l
RT: 13.780 min Scan# 2
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Tgt Ion:128 Resp: 12647

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.1	15.1
129	10.1	8.6	13.0

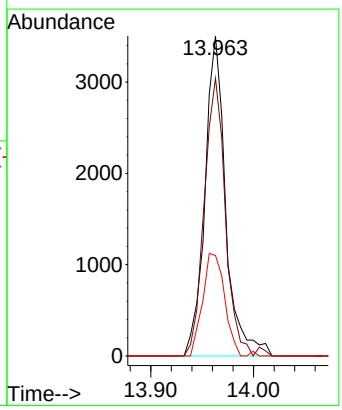




#96
1,2,3-Trichlorobenzene
Concen: 0.846 ug/l
RT: 13.963 min Scan# 2112
Delta R.T. 0.007 min
Lab File: VX047055.D
Acq: 21 Jul 2025 09:47

Tgt Ion:180 Resp: 4936

Ion	Ratio	Lower	Upper
180	100		
182	87.3	46.9	140.6
145	33.7	17.3	52.0



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	319458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	542097	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	488683	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	246301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	24550	6.169	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 12.340%#			
35) Dibromofluoromethane	5.403	113	19243	5.749	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 11.500%#			
50) Toluene-d8	8.652	98	70081	6.465	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 12.940%#			
62) 4-Bromofluorobenzene	11.079	95	27880	5.968	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 11.940%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	20453	4.820	ug/l	95
3) Chloromethane	1.306	50	21331	5.082	ug/l	97
4) Vinyl Chloride	1.385	62	23623	5.236	ug/l	100
5) Bromomethane	1.617	94	13048	5.324	ug/l	88
6) Chloroethane	1.702	64	15411	5.200	ug/l	98
7) Trichlorofluoromethane	1.904	101	35886	5.334	ug/l	96
8) Diethyl Ether	2.148	74	12607	5.315	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	21422	5.285	ug/l	98
10) Methyl Iodide	2.471	142	15201	3.680	ug/l	93
11) Tert butyl alcohol	2.964	59	17392	28.263	ug/l #	92
12) 1,1-Dichloroethene	2.337	96	21053	5.244	ug/l	91
13) Acrolein	2.251	56	21604	25.213	ug/l	99
14) Allyl chloride	2.678	41	38039	5.242	ug/l	99
15) Acrylonitrile	3.074	53	51340	27.051	ug/l	100
16) Acetone	2.391	43	42718	26.796	ug/l	99
17) Carbon Disulfide	2.526	76	61522	5.297	ug/l	100
18) Methyl Acetate	2.721	43	21905	5.171	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	64256	5.259	ug/l	96
20) Methylene Chloride	2.806	84	23989	5.470	ug/l	93
21) trans-1,2-Dichloroethene	3.111	96	22396	5.451	ug/l	96
22) Diisopropyl ether	3.775	45	76458	5.480	ug/l	97
23) Vinyl Acetate	3.739	43	288230	25.756	ug/l	100
24) 1,1-Dichloroethane	3.623	63	42402	5.465	ug/l	96
25) 2-Butanone	4.574	43	60022	25.858	ug/l	97
26) 2,2-Dichloropropane	4.489	77	32298	5.378	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	26579	5.463	ug/l	98
28) Bromochloromethane	4.921	49	19435	5.445	ug/l	96
29) Tetrahydrofuran	5.031	42	39885	26.631	ug/l	96
30) Chloroform	5.110	83	43336	5.487	ug/l	93
31) Cyclohexane	5.482	56	38990	5.241	ug/l	97
32) 1,1,1-Trichloroethane	5.391	97	36920	5.382	ug/l	98
36) 1,1-Dichloropropene	5.702	75	28590	5.011	ug/l	98
37) Ethyl Acetate	4.739	43	22236	4.422	ug/l #	92
38) Carbon Tetrachloride	5.690	117	33199	5.452	ug/l	97
39) Methylcyclohexane	7.384	83	37547	5.271	ug/l	95
40) Benzene	6.049	78	89797	5.438	ug/l	98

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	14018	5.100	ug/l		98
42) 1,2-Dichloroethane	6.092	62	31844	5.475	ug/l		96
43) Isopropyl Acetate	6.354	43	42946	5.240	ug/l		95
44) Trichloroethene	7.134	130	23153	5.468	ug/l		81
45) 1,2-Dichloropropane	7.439	63	22722	5.494	ug/l		93
46) Dibromomethane	7.592	93	16479	5.682	ug/l		97
47) Bromodichloromethane	7.823	83	33939	5.498	ug/l		99
48) Methyl methacrylate	7.701	41	21660	4.851	ug/l		99
49) 1,4-Dioxane	7.671	88	5549	109.271	ug/l	#	92
51) 4-Methyl-2-Pentanone	8.573	43	129413	26.565	ug/l		97
52) Toluene	8.720	92	56775	5.592	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	29776	5.108	ug/l		94
54) cis-1,3-Dichloropropene	8.372	75	33127	5.193	ug/l		98
55) 1,1,2-Trichloroethane	9.152	97	21223	5.574	ug/l		97
56) Ethyl methacrylate	9.116	69	28587	5.072	ug/l		96
57) 1,3-Dichloropropane	9.311	76	37251	5.629	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	97443	31.066	ug/l		98
59) 2-Hexanone	9.433	43	84572	26.276	ug/l		99
60) Dibromochloromethane	9.518	129	24354	5.454	ug/l		99
61) 1,2-Dibromoethane	9.610	107	21578	5.420	ug/l		98
64) Tetrachloroethene	9.274	164	19701	5.592	ug/l		96
65) Chlorobenzene	10.079	112	63268	5.526	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.164	131	20300	5.267	ug/l		99
67) Ethyl Benzene	10.195	91	106984	5.345	ug/l		96
68) m/p-Xylenes	10.299	106	80835	10.791	ug/l		99
69) o-Xylene	10.640	106	40071	5.623	ug/l		94
70) Styrene	10.658	104	66283	5.424	ug/l		100
71) Bromoform	10.798	173	15763	5.384	ug/l	#	97
73) Isopropylbenzene	10.963	105	102157	5.257	ug/l		97
74) N-amyl acetate	10.841	43	36965	4.769	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.207	83	29627	5.338	ug/l		99
76) 1,2,3-Trichloropropane	11.237	75	30322	6.651	ug/l		83
77) Bromobenzene	11.195	156	24549	5.267	ug/l		95
78) n-propylbenzene	11.304	91	124648	5.368	ug/l		100
79) 2-Chlorotoluene	11.365	91	74781	5.387	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	86414	5.383	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	7407	4.186	ug/l		86
82) 4-Chlorotoluene	11.457	91	88304	5.450	ug/l		99
83) tert-Butylbenzene	11.713	119	84560	5.248	ug/l		97
84) 1,2,4-Trimethylbenzene	11.749	105	87289	5.451	ug/l		99
85) sec-Butylbenzene	11.890	105	110255	5.477	ug/l		100
86) p-Isopropyltoluene	12.006	119	91112	5.457	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	48466	5.473	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	48817	5.441	ug/l		95
89) n-Butylbenzene	12.329	91	81710	5.219	ug/l		99
90) Hexachloroethane	12.536	117	14794	4.953	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	46129	5.450	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	5485	5.148	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	29296	5.239	ug/l		99
94) Hexachlorobutadiene	13.719	225	9742	5.122	ug/l		91
95) Naphthalene	13.774	128	79568	4.854	ug/l		99
96) 1,2,3-Trichlorobenzene	13.962	180	27584	5.120	ug/l		98

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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

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

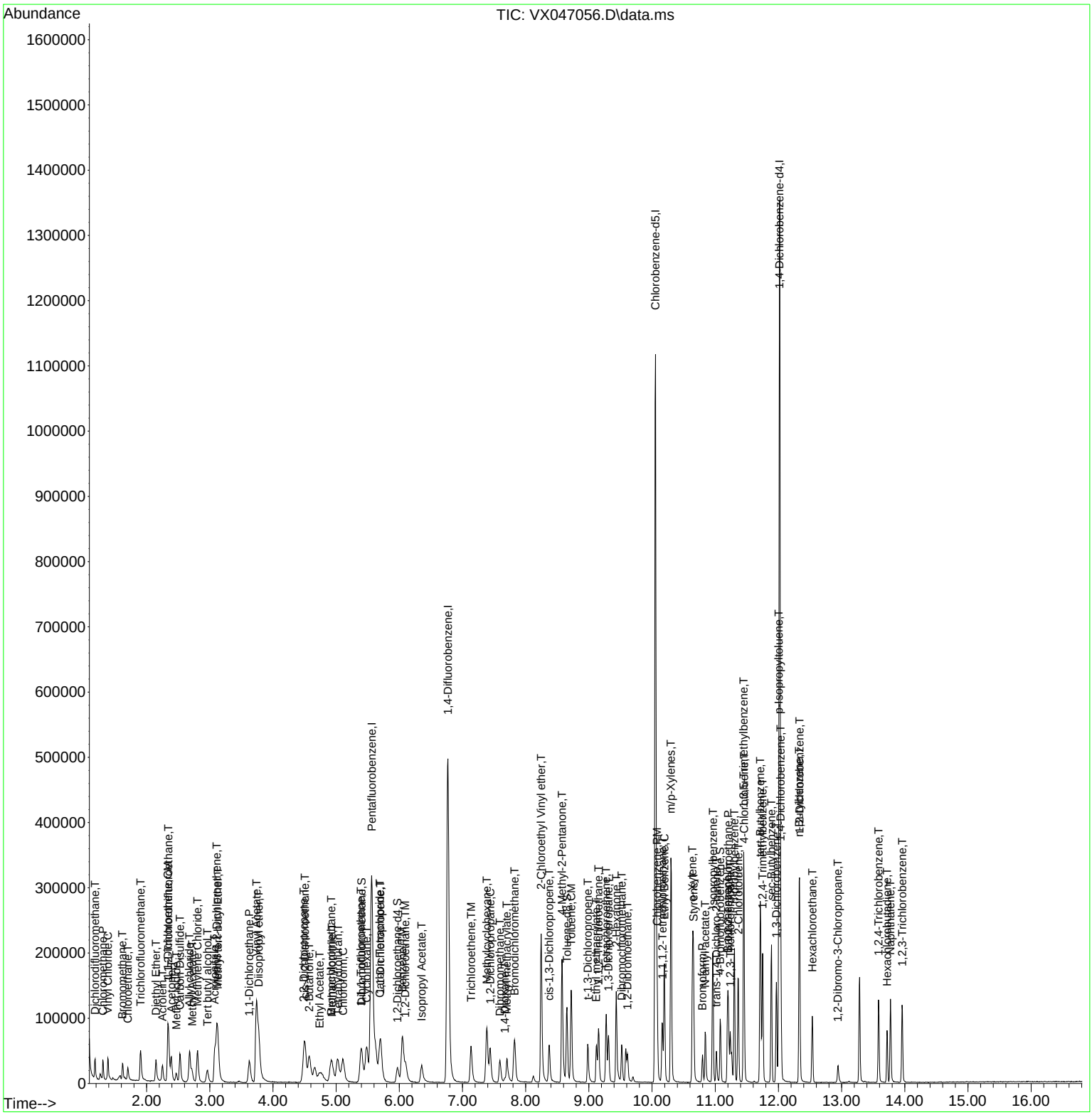
(#) = qualifier out of range (m) = manual integration (+) = signals summed

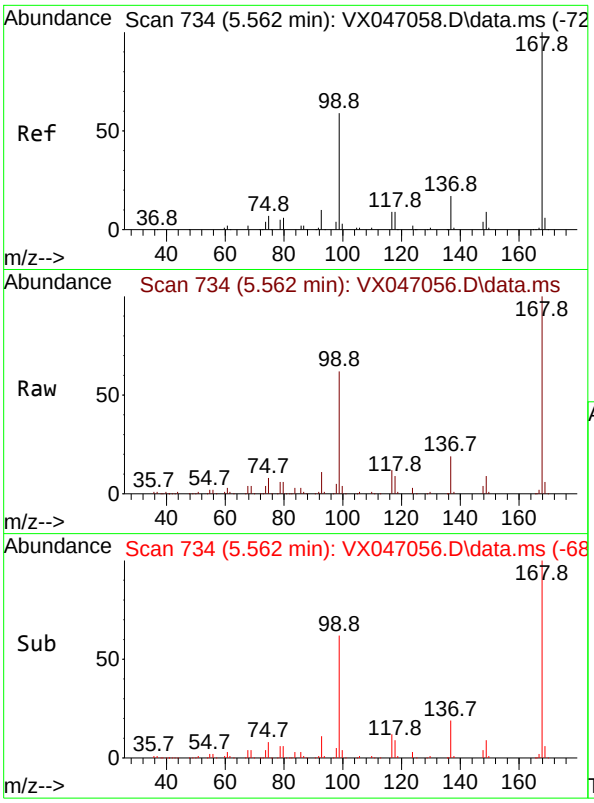
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

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



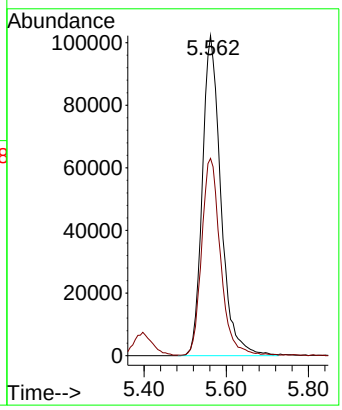


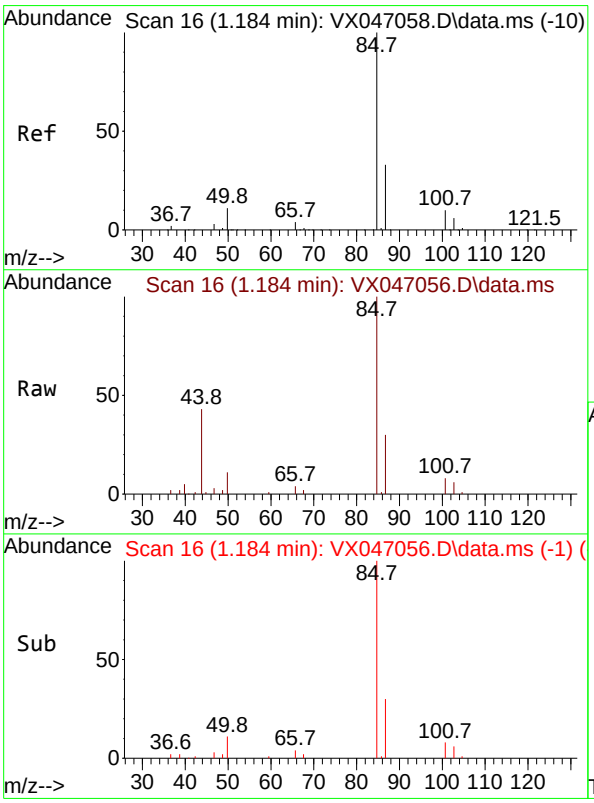
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:168 Resp: 319458

Ion	Ratio	Lower	Upper
168	100		
99	61.5	48.0	72.0

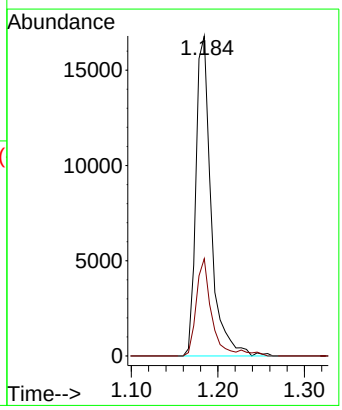


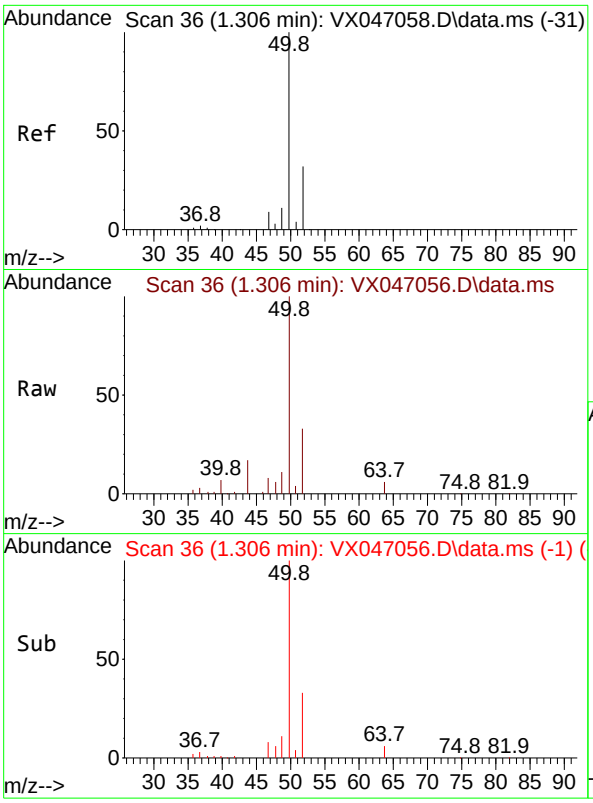


#2
Dichlorodifluoromethane
Concen: 4.820 ug/l
RT: 1.184 min Scan# 16
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 85 Resp: 20453

Ion	Ratio	Lower	Upper
85	100		
87	30.4	16.6	49.8



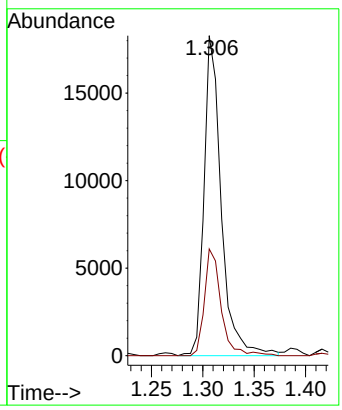


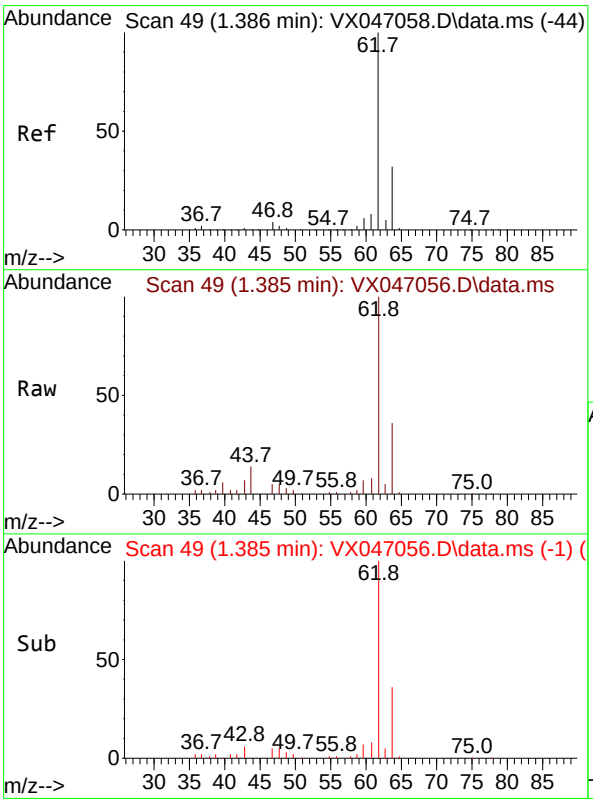
#3
Chloromethane
Concen: 5.082 ug/l
RT: 1.306 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 50 Resp: 21331

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.4	38.2

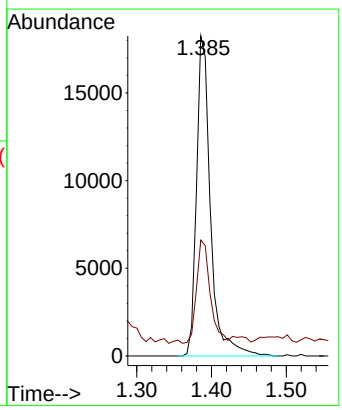


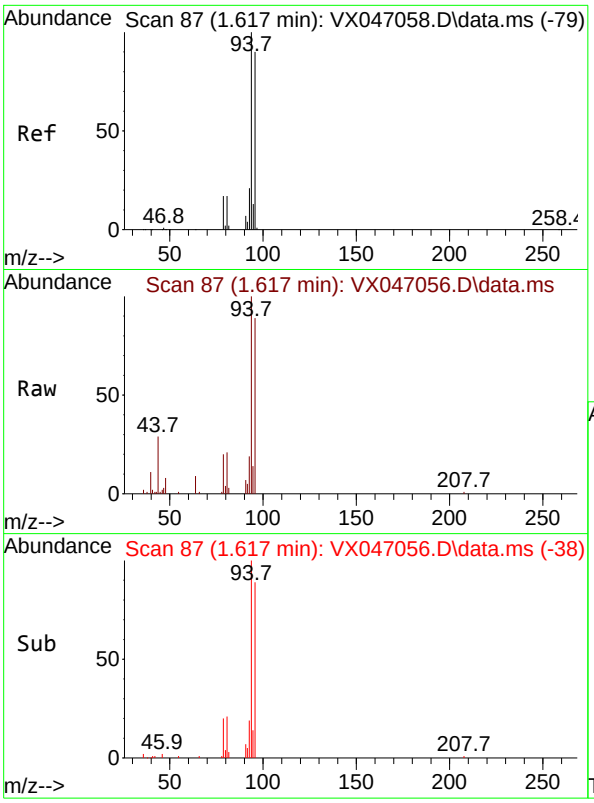


#4
Vinyl Chloride
Concen: 5.236 ug/l
RT: 1.385 min Scan# 49
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 62 Resp: 23623

Ion	Ratio	Lower	Upper
62	100		
64	31.3	25.2	37.8



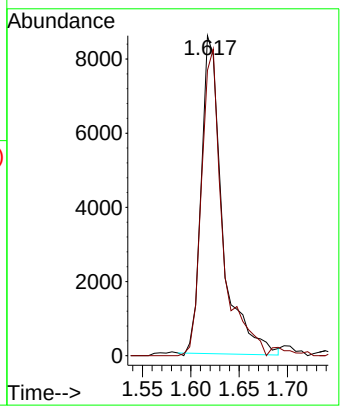


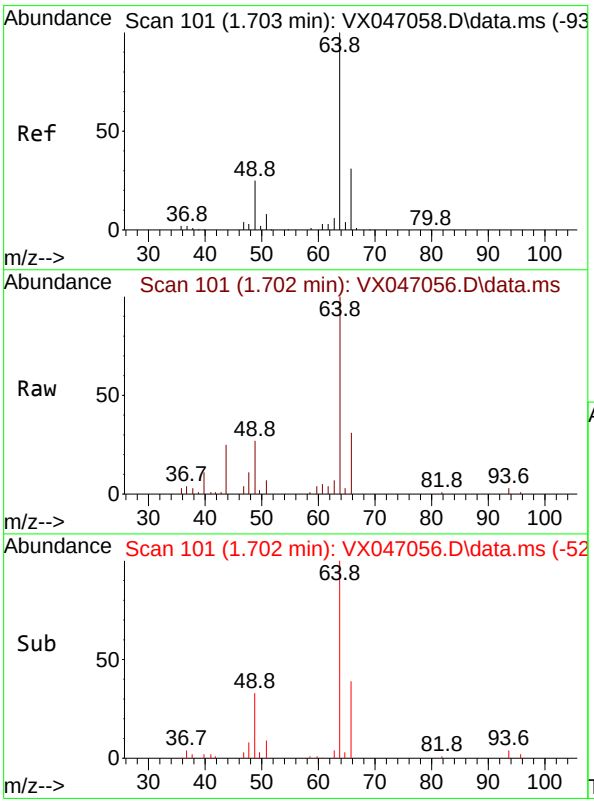
#5
Bromomethane
Concen: 5.324 ug/l
RT: 1.617 min Scan# 8
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 94 Resp: 13048

Ion	Ratio	Lower	Upper
94	100		
96	79.1	72.3	108.5

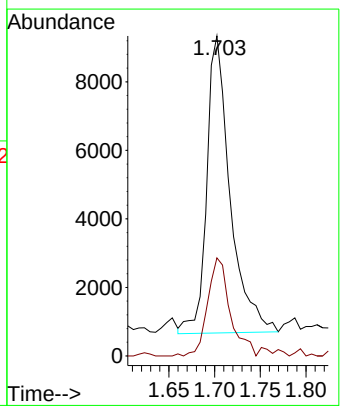


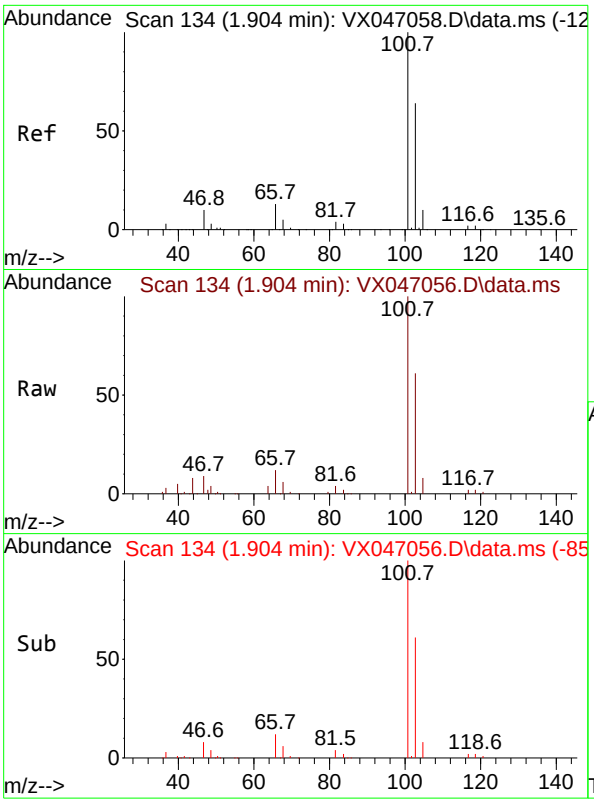


#6
Chloroethane
Concen: 5.200 ug/l
RT: 1.702 min Scan# 101
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 64 Resp: 15411

Ion	Ratio	Lower	Upper
64	100		
66	32.5	25.0	37.6



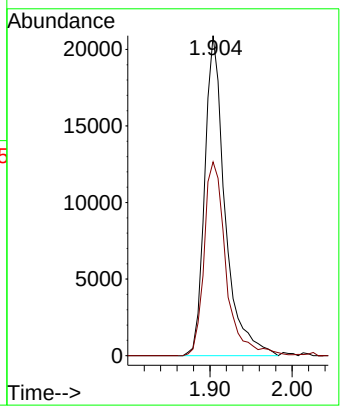


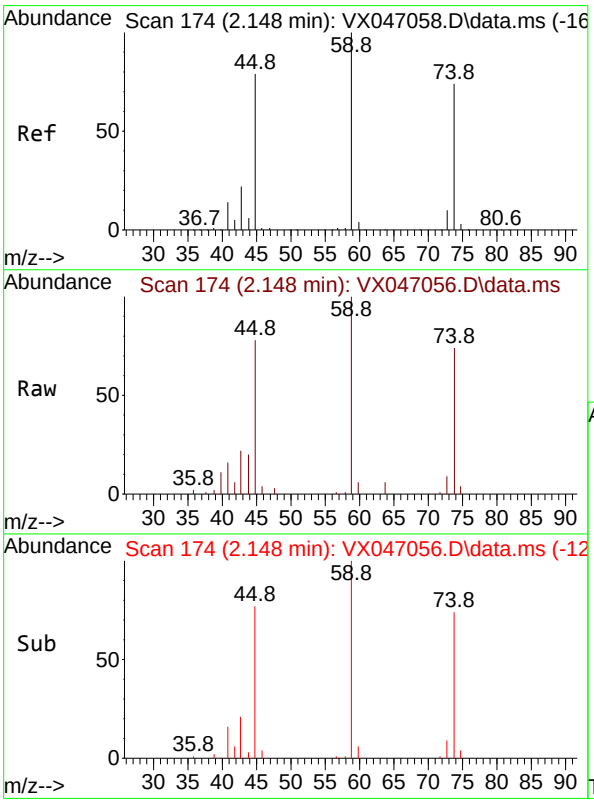
#7
Trichlorofluoromethane
Concen: 5.334 ug/l
RT: 1.904 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 35886

Ion	Ratio	Lower	Upper
101	100		
103	60.5	50.9	76.3

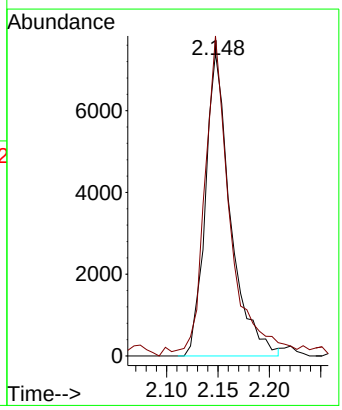


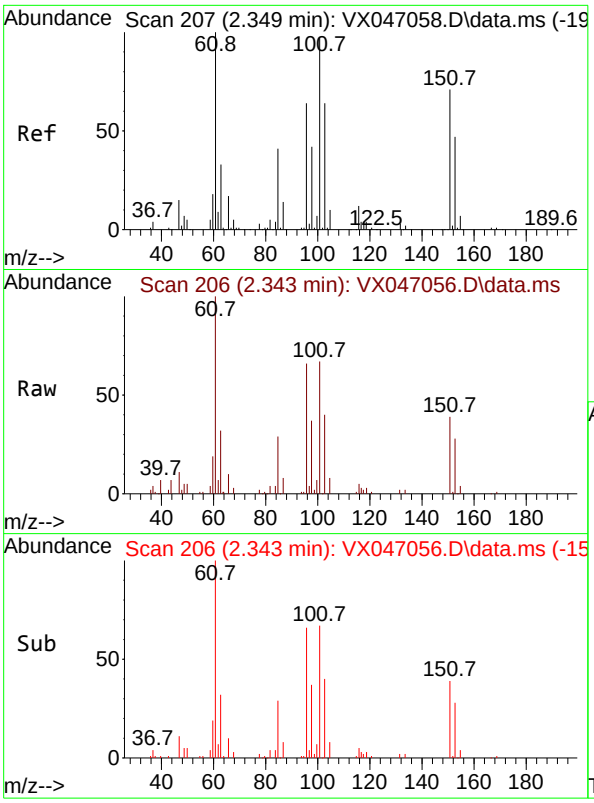


#8
Diethyl Ether
Concen: 5.315 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 74 Resp: 12607

Ion	Ratio	Lower	Upper
74	100		
45	107.9	53.0	159.0



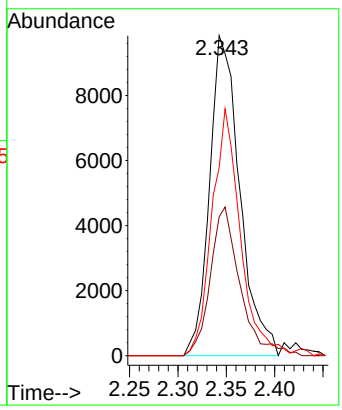


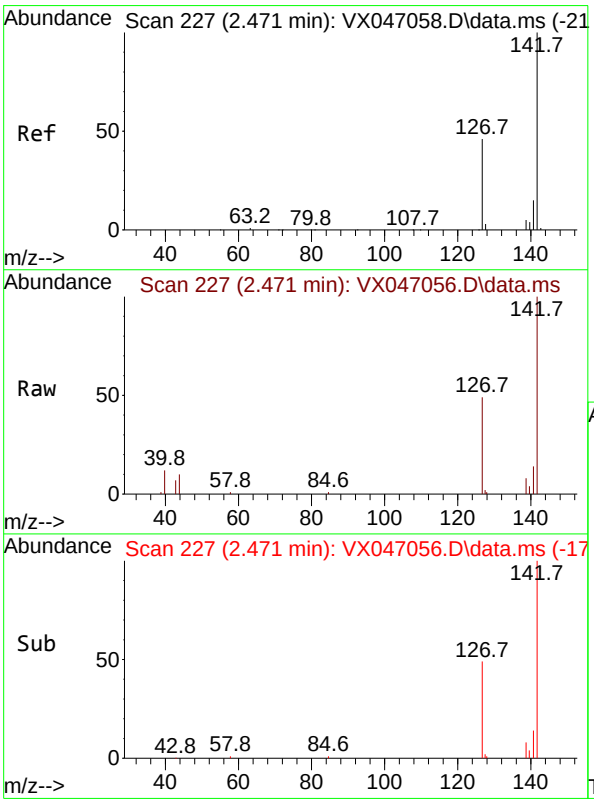
#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.285 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:101 Resp: 21422

Ion	Ratio	Lower	Upper
101	100		
85	45.7	35.4	53.0
151	72.1	59.2	88.8

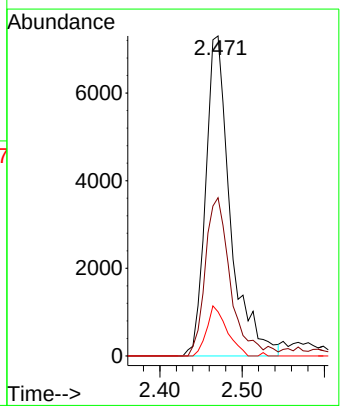


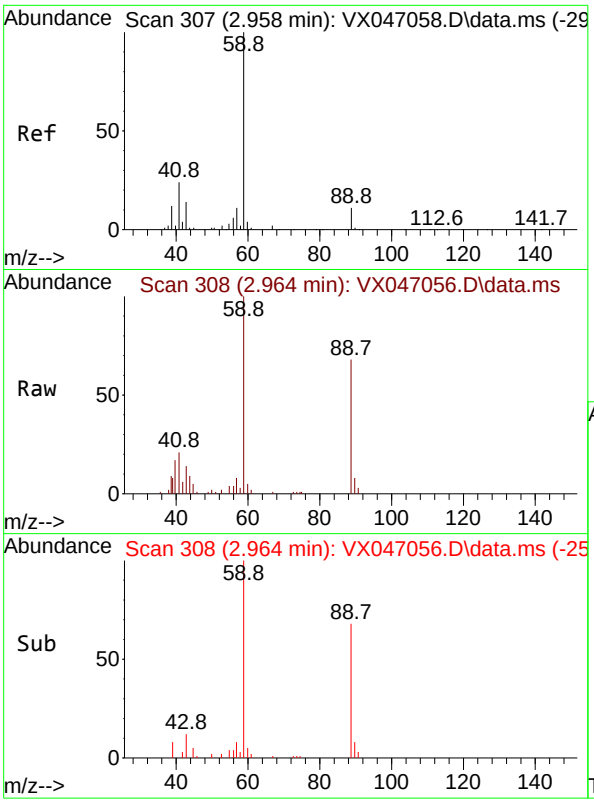


#10
Methyl Iodide
Concen: 3.680 ug/l
RT: 2.471 min Scan# 227
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:142 Resp: 15201

Ion	Ratio	Lower	Upper
142	100		
127	51.0	36.6	54.8
141	12.8	10.9	16.3



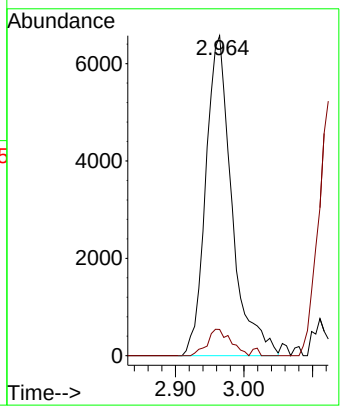


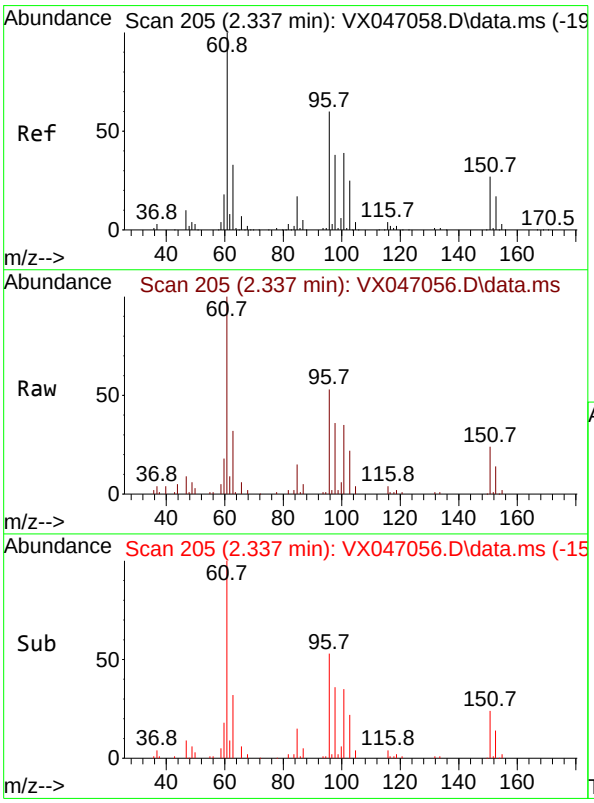
#11
Tert butyl alcohol
Concen: 28.263 ug/l
RT: 2.964 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 59 Resp: 17392

Ion	Ratio	Lower	Upper
59	100		
57	7.4	8.5	12.7#

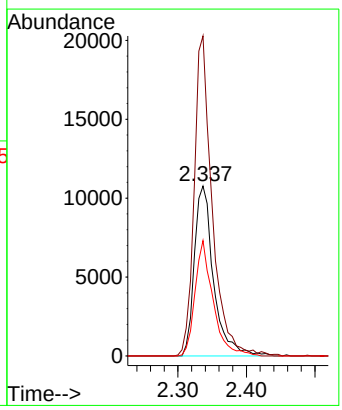


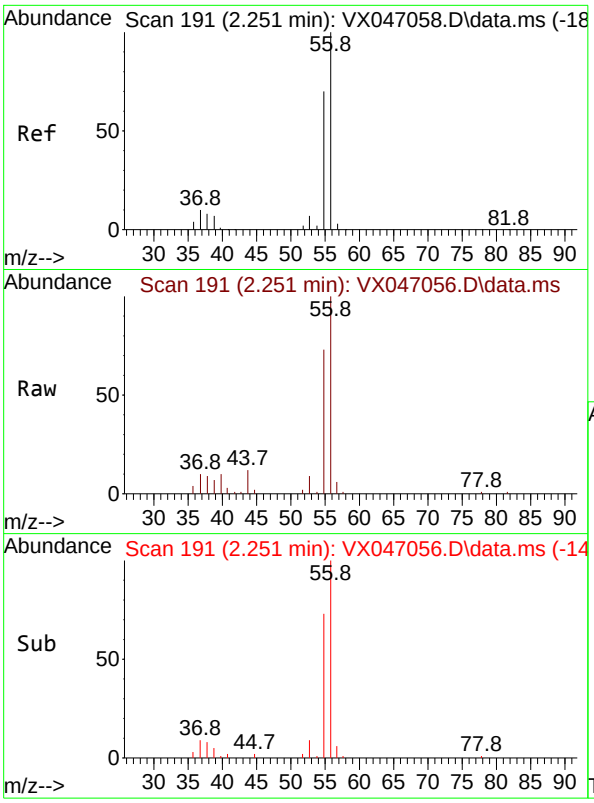


#12
1,1-Dichloroethene
Concen: 5.244 ug/l
RT: 2.337 min Scan# 205
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 96 Resp: 21053

Ion	Ratio	Lower	Upper
96	100		
61	180.6	132.6	198.8
98	65.4	50.2	75.4



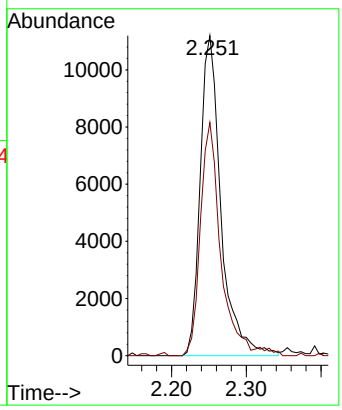


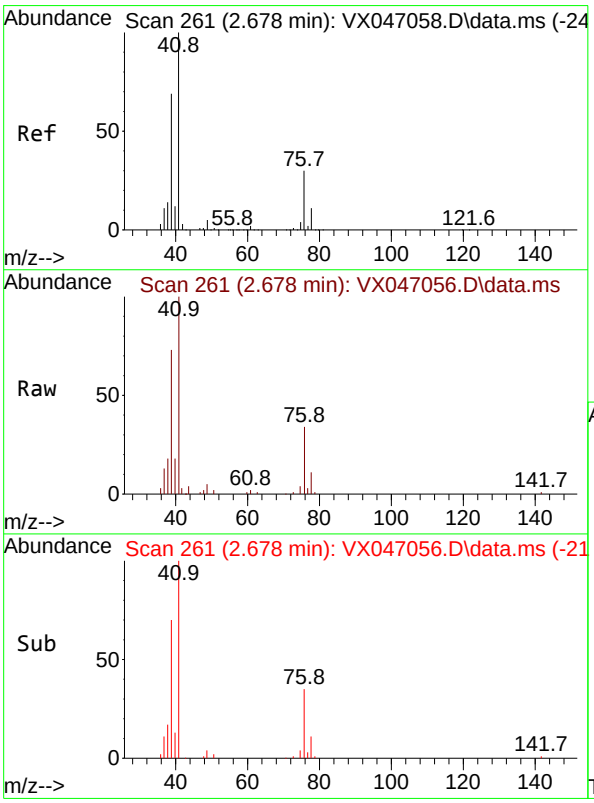
#13
Acrolein
Concen: 25.213 ug/l
RT: 2.251 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 21604

Ion	Ratio	Lower	Upper
56	100		
55	70.2	55.7	83.5

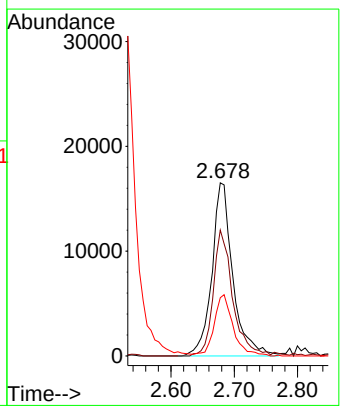


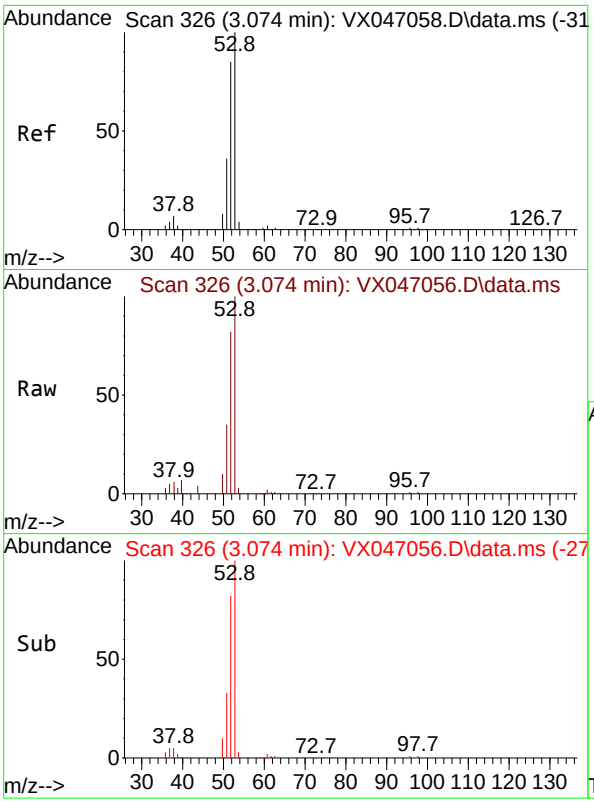


#14
Allyl chloride
Concen: 5.242 ug/l
RT: 2.678 min Scan# 261
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 41 Resp: 38039

Ion	Ratio	Lower	Upper
41	100		
39	67.1	52.6	78.8
76	32.0	25.7	38.5



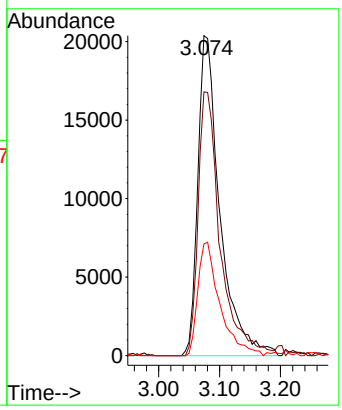


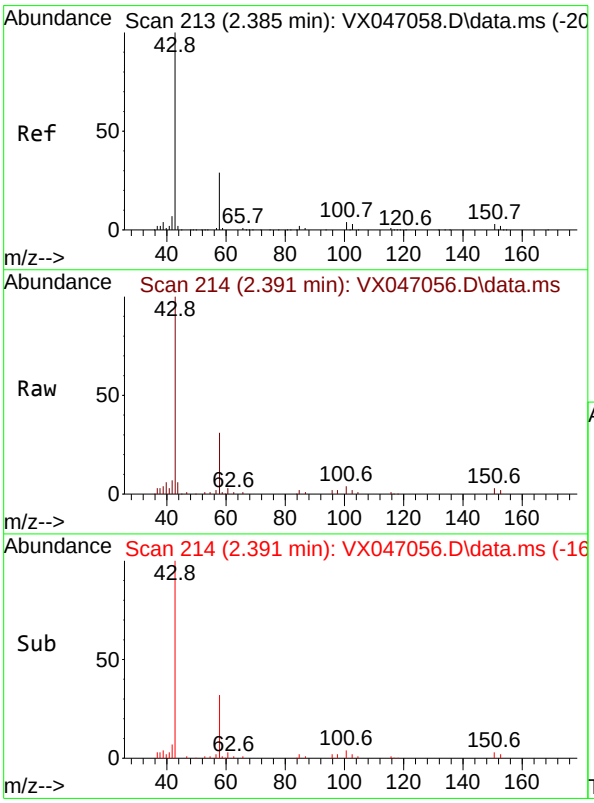
#15
Acrylonitrile
Concen: 27.051 ug/l
RT: 3.074 min Scan# 3
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 53 Resp: 51340

Ion	Ratio	Lower	Upper
53	100		
52	81.9	65.7	98.5
51	35.3	28.8	43.2

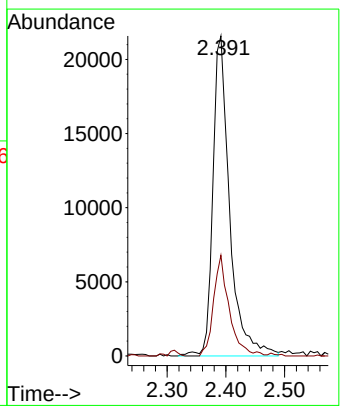


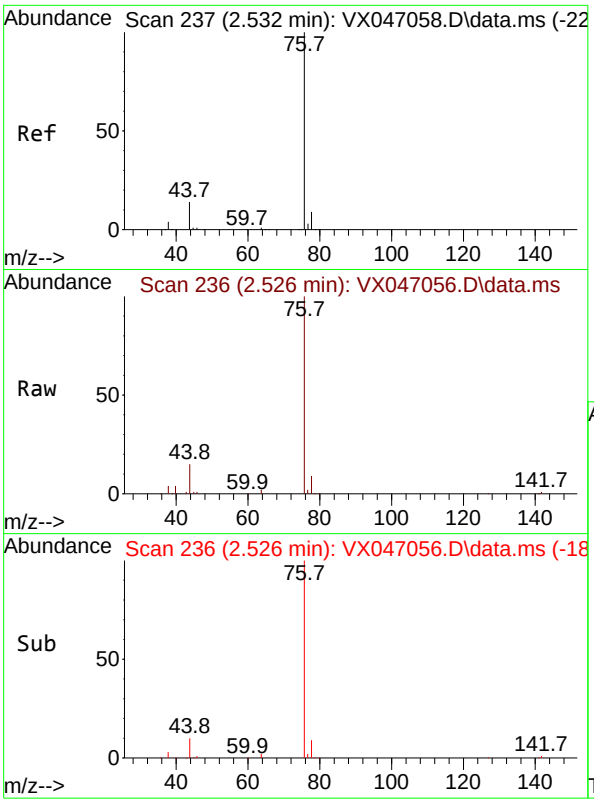


#16
Acetone
Concen: 26.796 ug/l
RT: 2.391 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 43 Resp: 42718

Ion	Ratio	Lower	Upper
43	100		
58	30.3	24.0	36.0



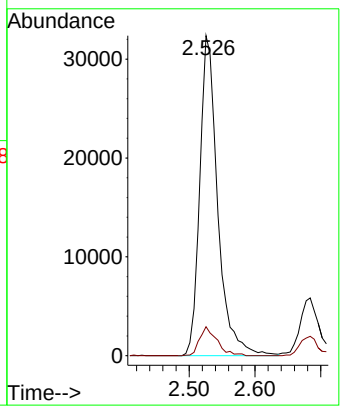


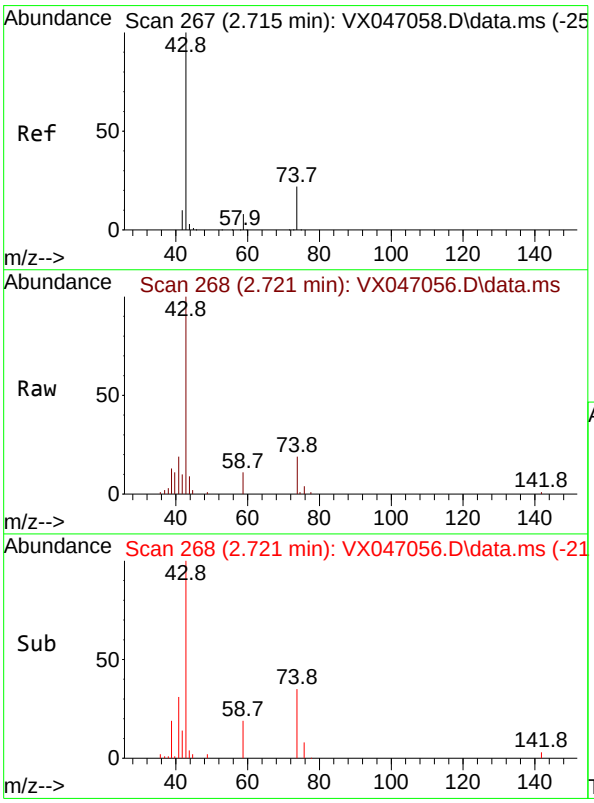
#17
Carbon Disulfide
Concen: 5.297 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 61522

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

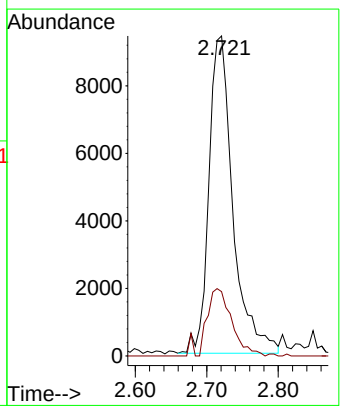


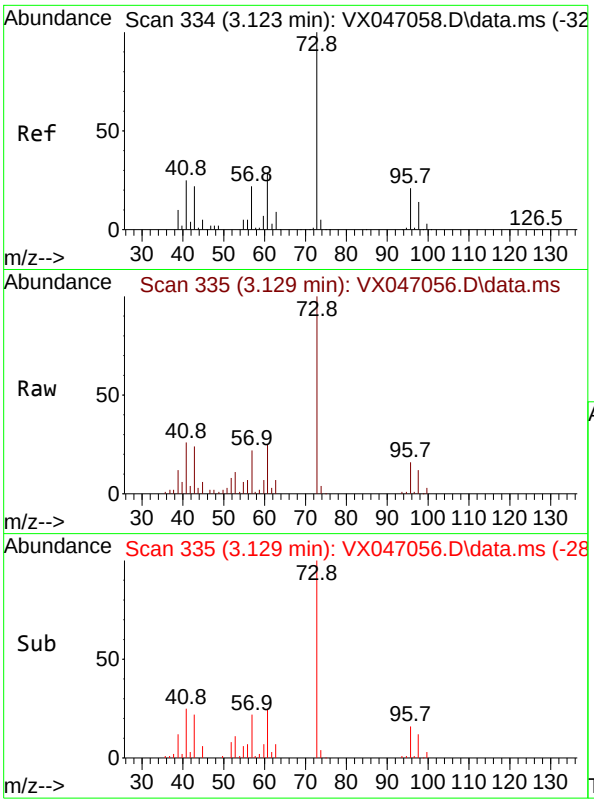


#18
Methyl Acetate
Concen: 5.171 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 43 Resp: 21905

Ion	Ratio	Lower	Upper
43	100		
74	21.4	17.7	26.5



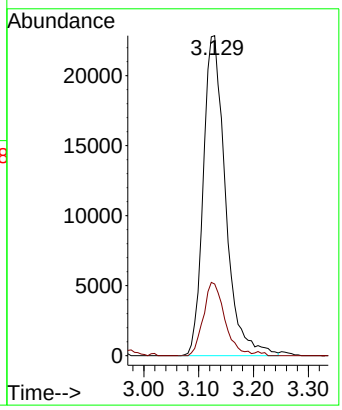


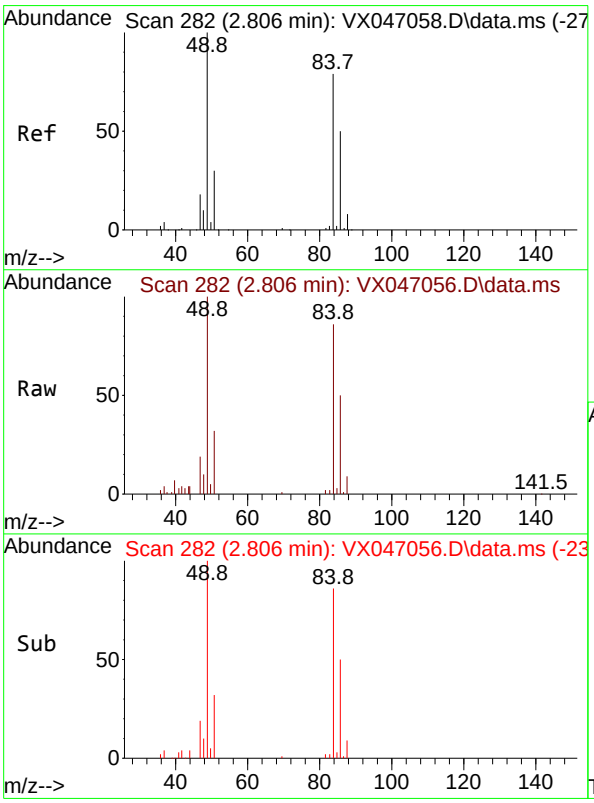
#19
Methyl tert-butyl Ether
Concen: 5.259 ug/l
RT: 3.129 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 73 Resp: 64256

Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.7	26.5

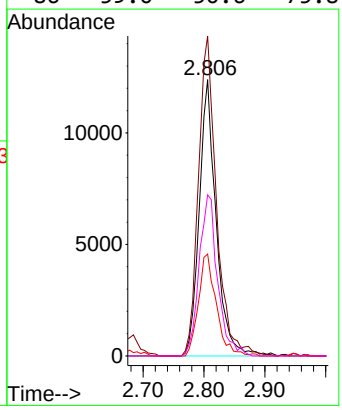


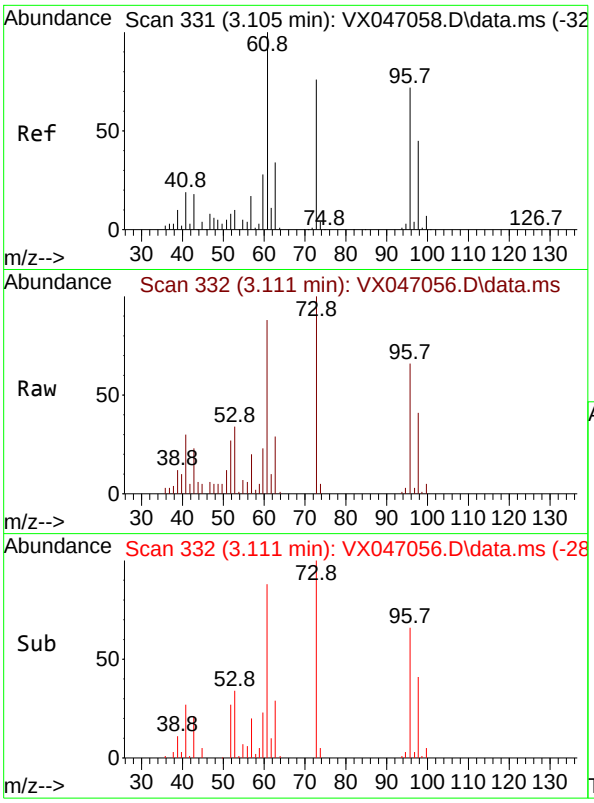


#20
Methylene Chloride
Concen: 5.470 ug/l
RT: 2.806 min Scan# 282
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 84 Resp: 23989

Ion	Ratio	Lower	Upper
84	100		
49	115.8	101.6	152.4
51	36.9	30.3	45.5
86	59.0	50.6	75.8



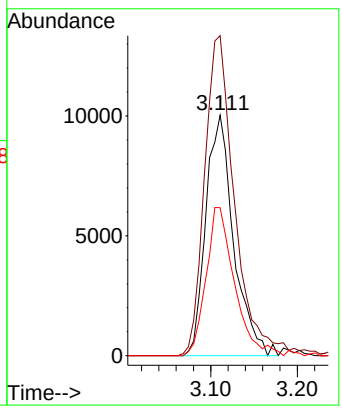


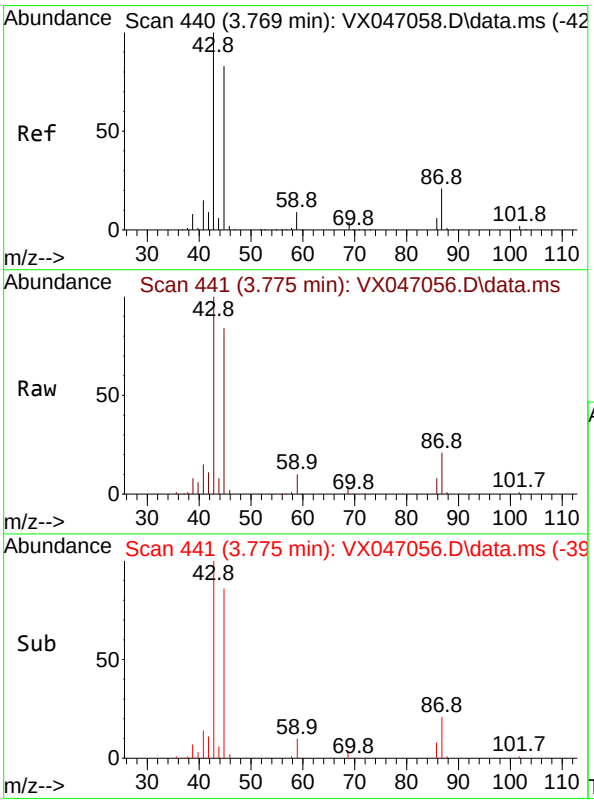
#21
trans-1,2-Dichloroethene
Concen: 5.451 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 22396

Ion	Ratio	Lower	Upper
96	100		
61	133.1	111.1	166.7
98	63.0	49.6	74.4

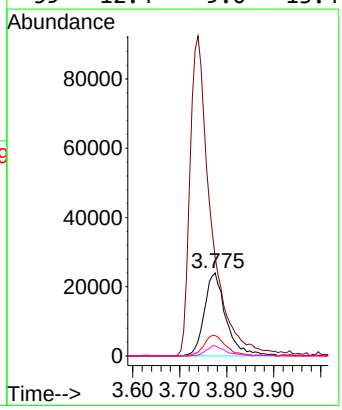


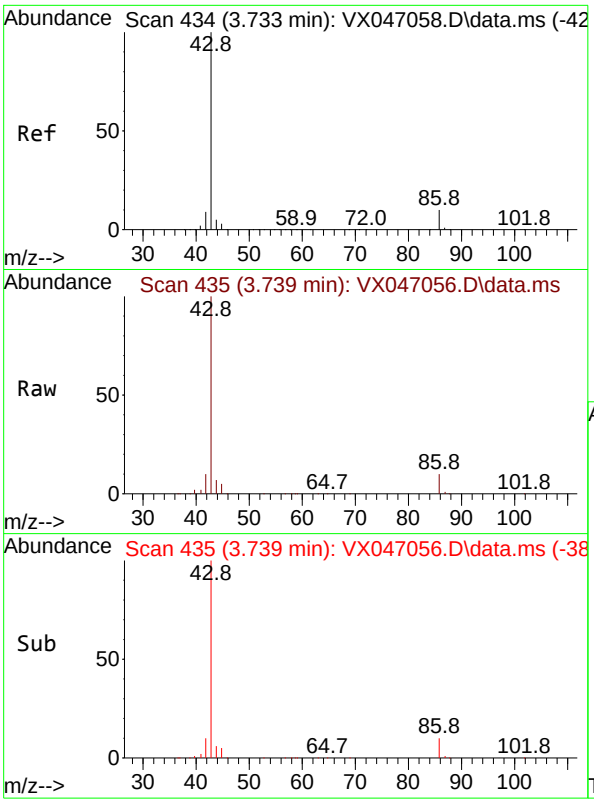


#22
Diisopropyl ether
Concen: 5.480 ug/l
RT: 3.775 min Scan# 441
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 45 Resp: 76458

Ion	Ratio	Lower	Upper
45	100		
43	117.4	96.8	145.2
87	24.5	20.5	30.7
59	12.4	9.0	13.4



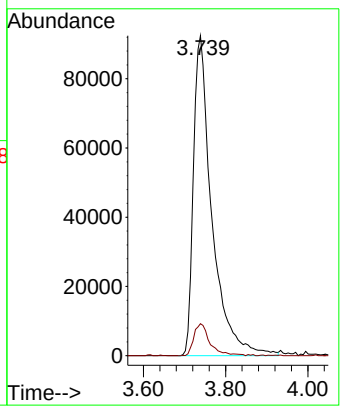


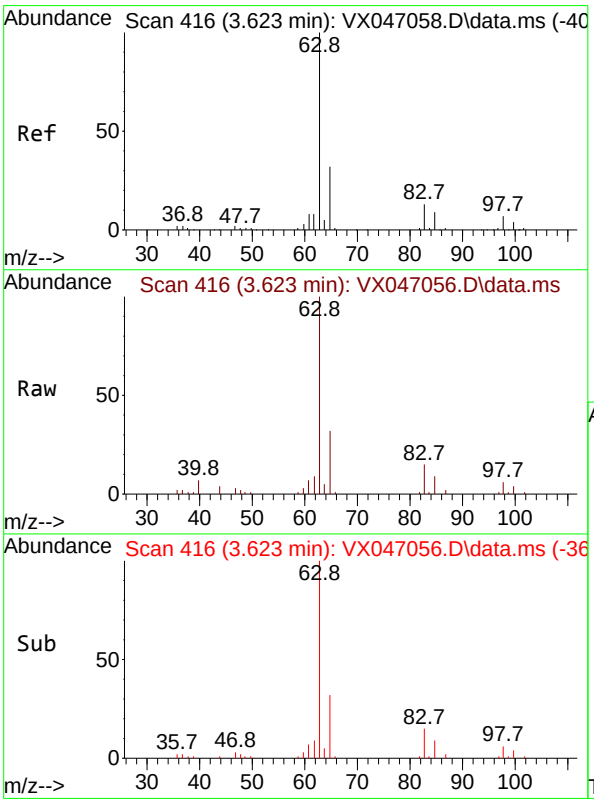
#23
Vinyl Acetate
Concen: 25.756 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 288230

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

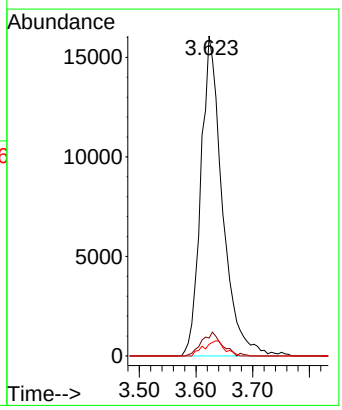


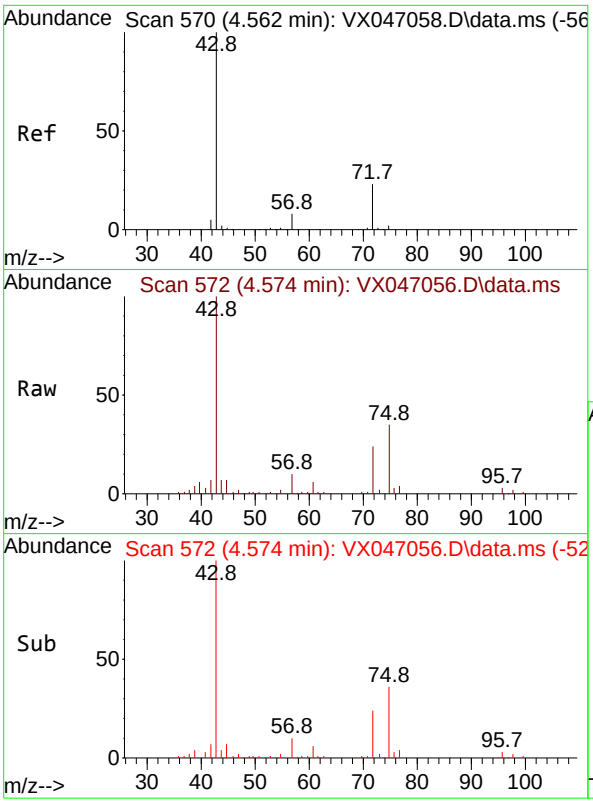


#24
1,1-Dichloroethane
Concen: 5.465 ug/l
RT: 3.623 min Scan# 416
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 63 Resp: 42402

Ion	Ratio	Lower	Upper
63	100		
98	5.6	3.6	10.8
100	3.7	2.3	6.8



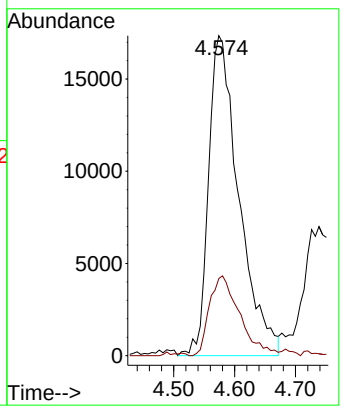


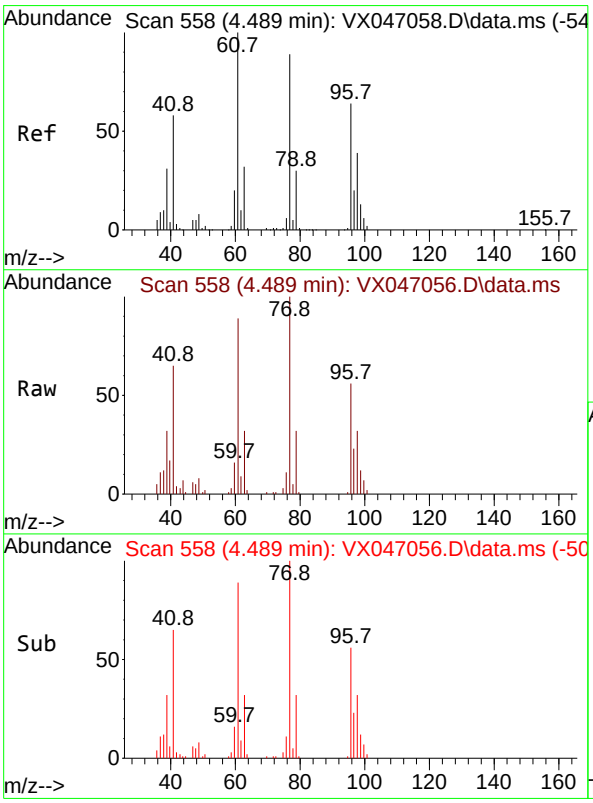
#25
2-Butanone
Concen: 25.858 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 60022

Ion	Ratio	Lower	Upper
43	100		
72	22.1	18.8	28.2

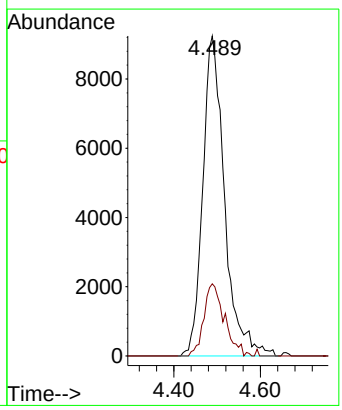


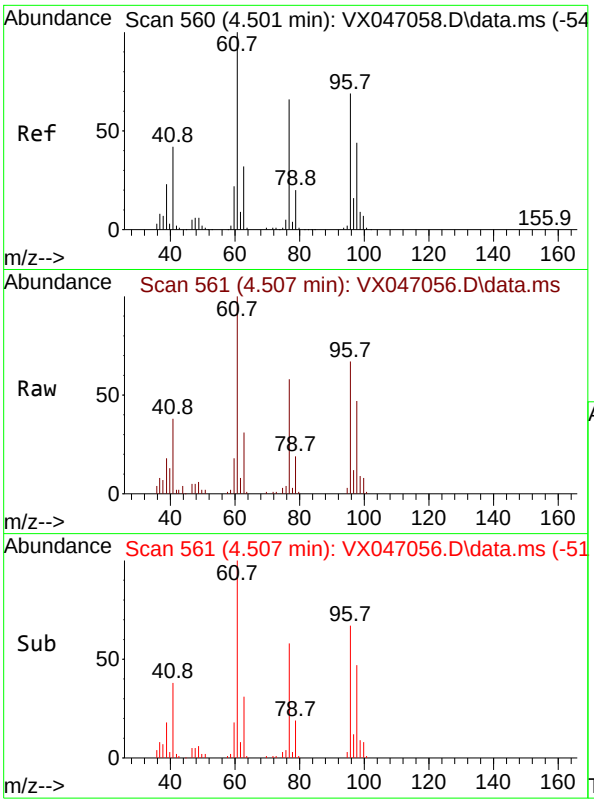


#26
2,2-Dichloropropane
Concen: 5.378 ug/l
RT: 4.489 min Scan# 558
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 77 Resp: 32298

Ion	Ratio	Lower	Upper
77	100		
97	21.4	11.4	34.1



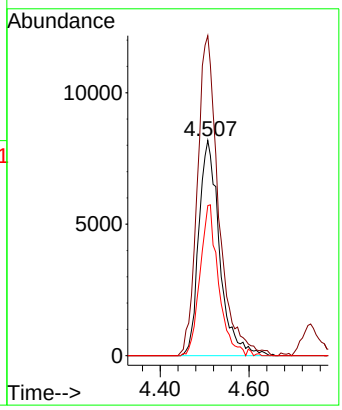


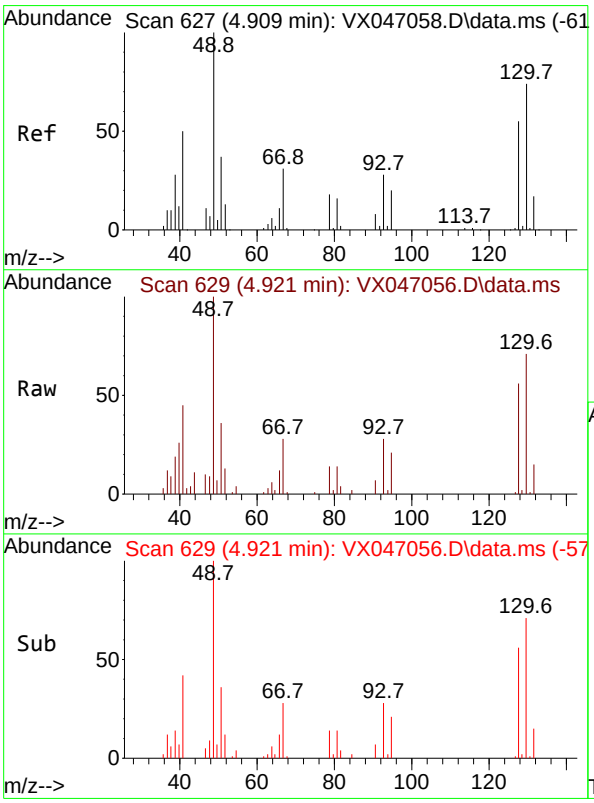
#27
cis-1,2-Dichloroethene
Concen: 5.463 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 96 Resp: 26579

Ion	Ratio	Lower	Upper
96	100		
61	152.0	0.0	298.6
98	62.5	0.0	128.8

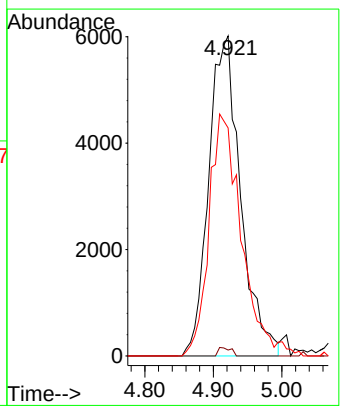


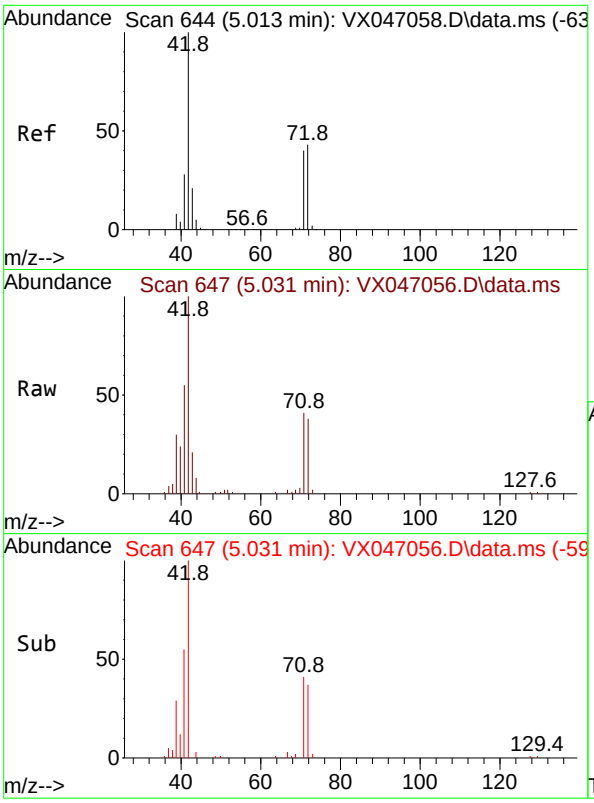


#28
Bromochloromethane
Concen: 5.445 ug/l
RT: 4.921 min Scan# 629
Delta R.T. 0.012 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 49 Resp: 19435

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	77.0	59.0	88.4



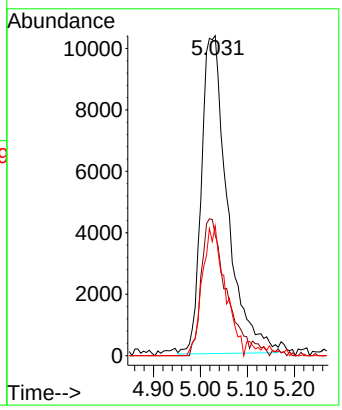


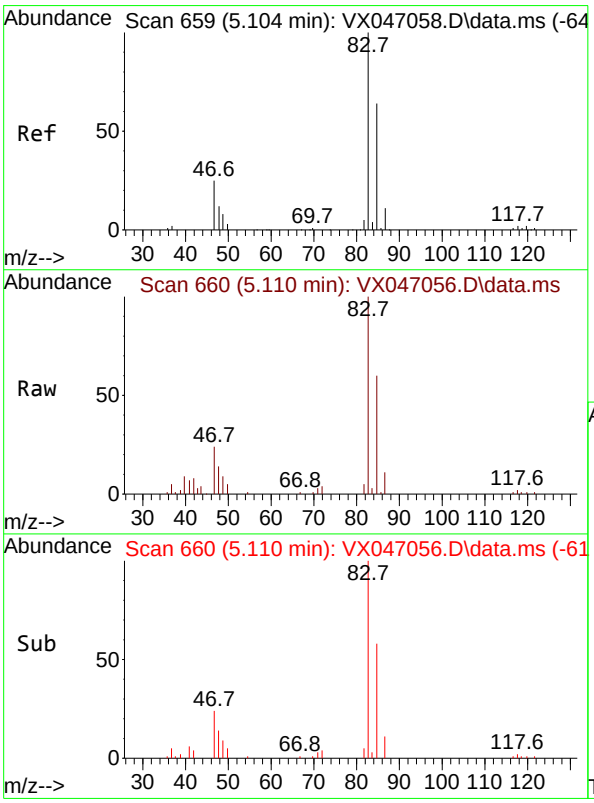
#29
Tetrahydrofuran
Concen: 26.631 ug/l
RT: 5.031 min Scan# 64
Delta R.T. 0.018 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 42 Resp: 39885

Ion	Ratio	Lower	Upper
42	100		
72	39.9	33.7	50.5
71	35.4	31.0	46.4

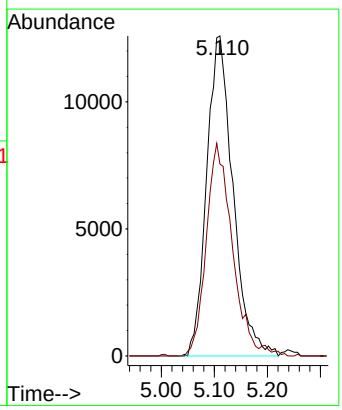


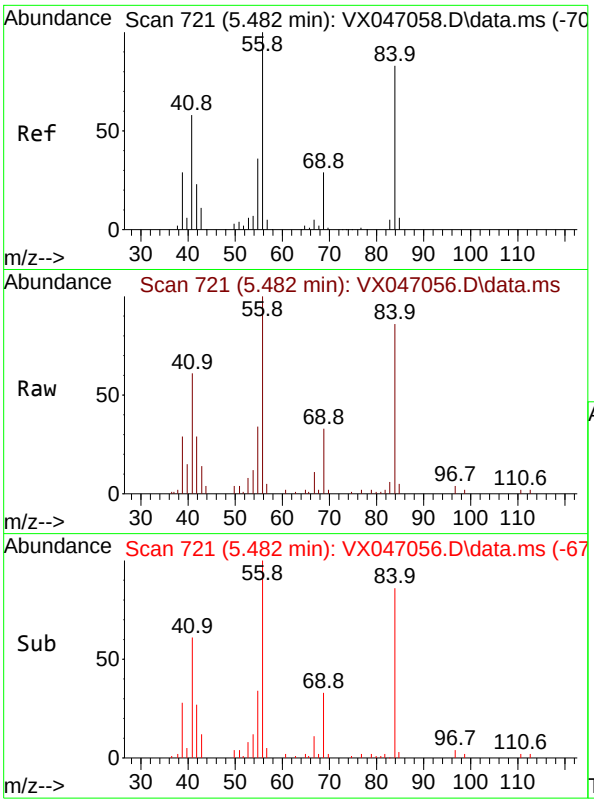


#30
Chloroform
Concen: 5.487 ug/l
RT: 5.110 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 83 Resp: 43336

Ion	Ratio	Lower	Upper
83	100		
85	58.1	50.9	76.3



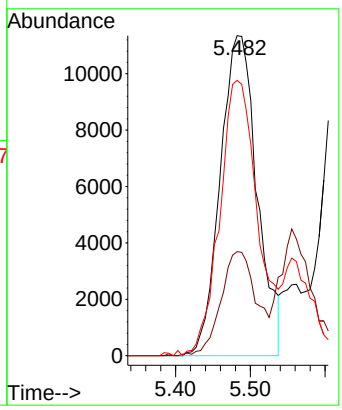


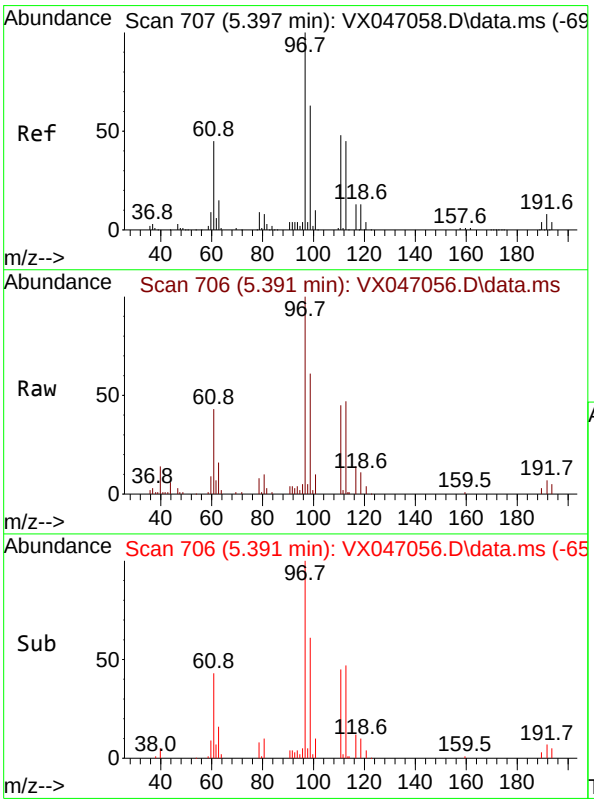
#31
Cyclohexane
Concen: 5.241 ug/l
RT: 5.482 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 56 Resp: 38990

Ion	Ratio	Lower	Upper
56	100		
69	31.0	23.3	34.9
84	80.5	66.5	99.7

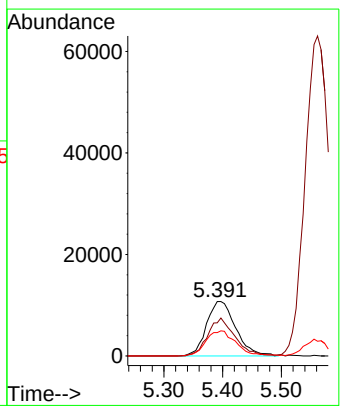


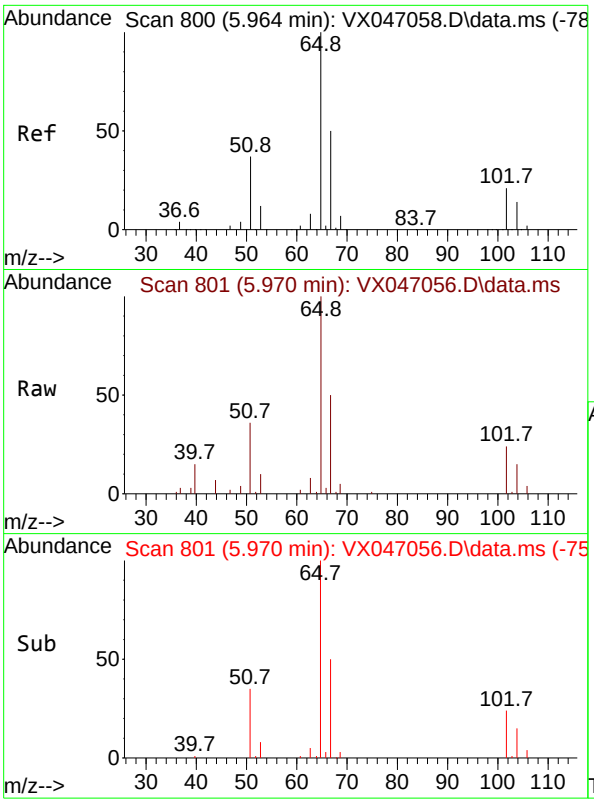


#32
1,1,1-Trichloroethane
Concen: 5.382 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 97 Resp: 36920

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.2	76.8
61	48.1	37.1	55.7



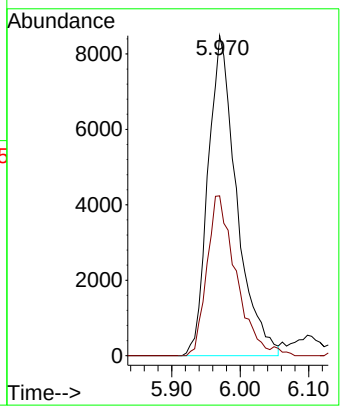


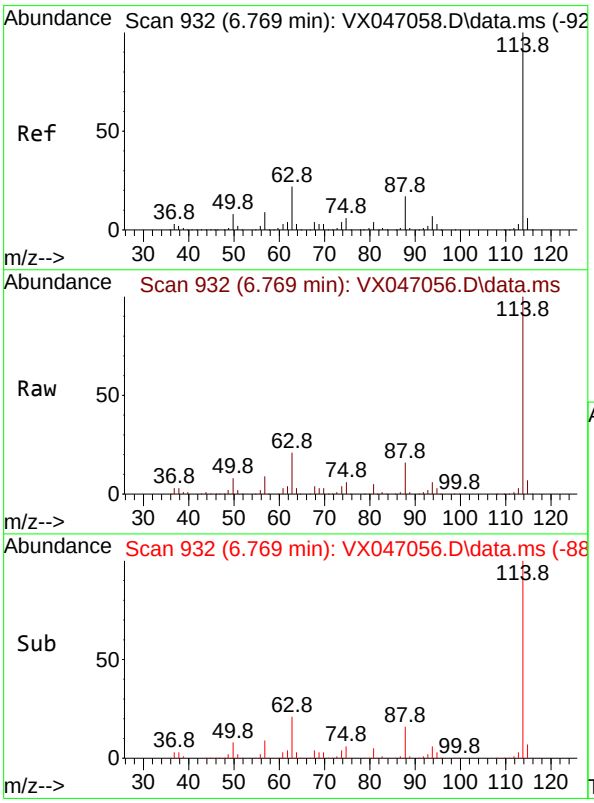
#33
1,2-Dichloroethane-d4
Concen: 6.169 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 65 Resp: 24550

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	104.8

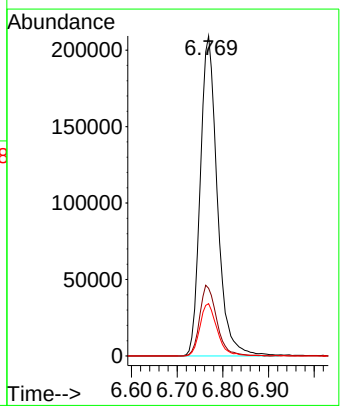


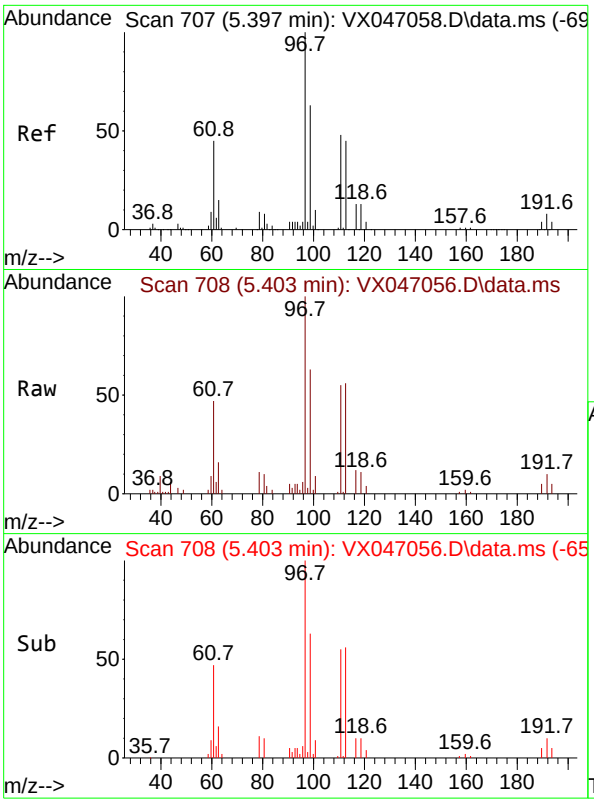


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:114 Resp: 542097

Ion	Ratio	Lower	Upper
114	100		
63	21.2	0.0	43.2
88	16.3	0.0	33.8



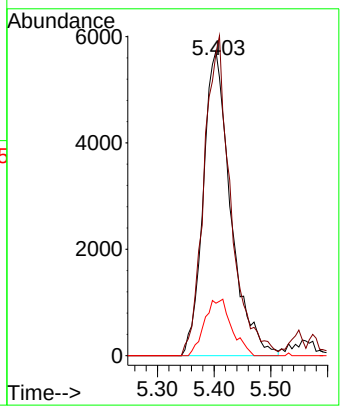


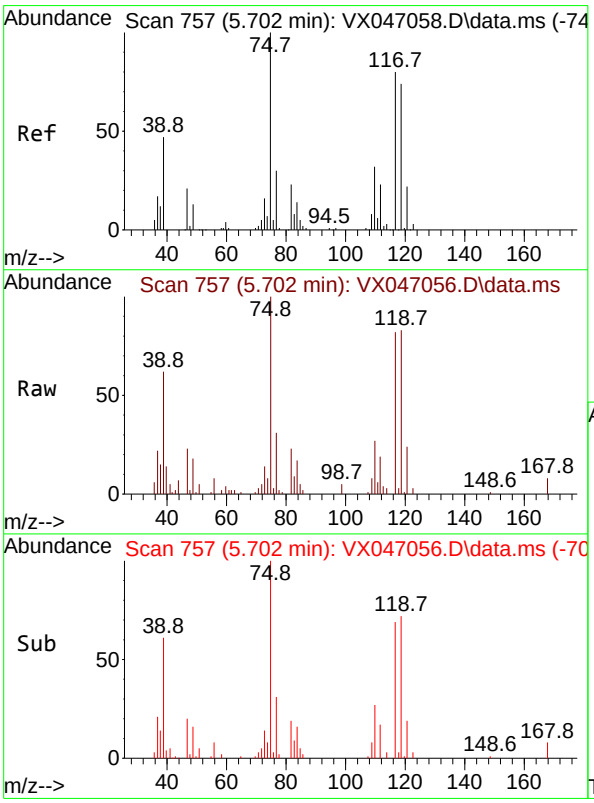
#35
Dibromofluoromethane
Concen: 5.749 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:113 Resp: 19243

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.6	124.0
192	18.3	14.9	22.3

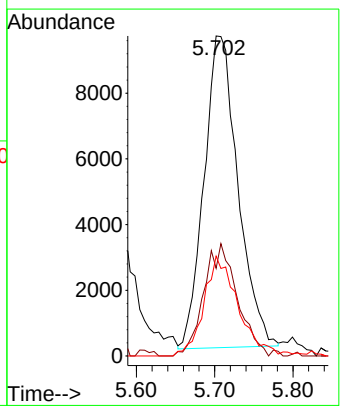


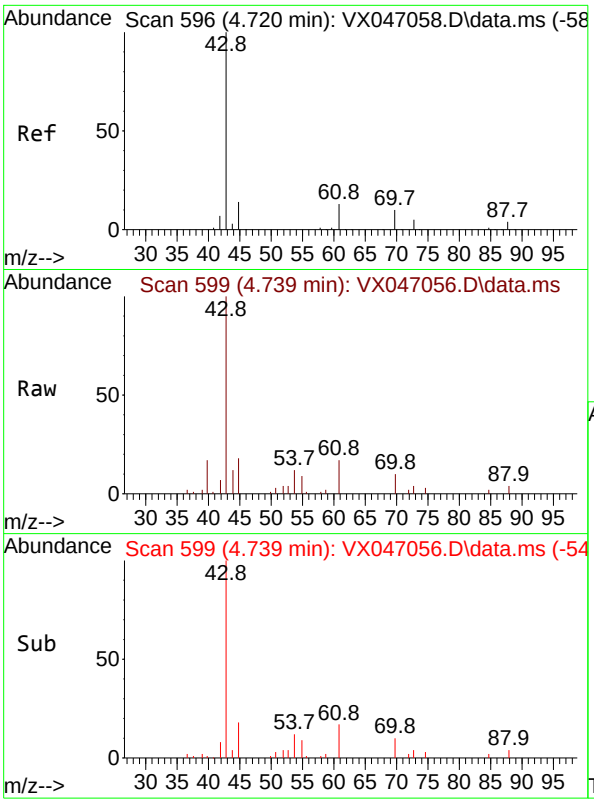


#36
1,1-Dichloropropene
Concen: 5.011 ug/l
RT: 5.702 min Scan# 757
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 75 Resp: 28590

Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.2	51.5
77	32.5	25.1	37.7



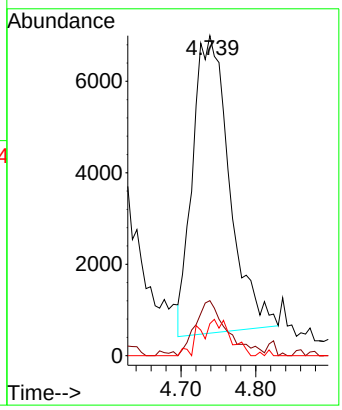


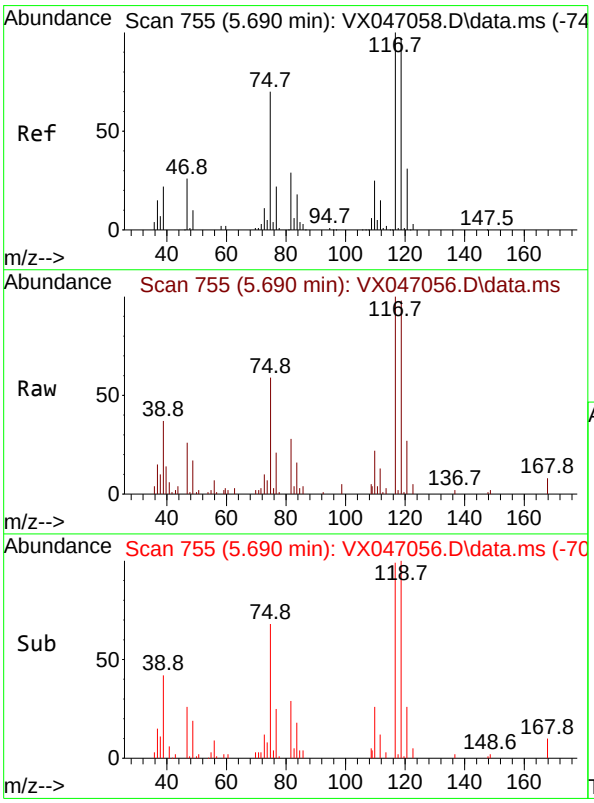
#37
Ethyl Acetate
Concen: 4.422 ug/l
RT: 4.739 min Scan# 5
Delta R.T. 0.018 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 22236

Ion	Ratio	Lower	Upper
43	100		
61	15.9	10.2	15.2#
70	7.1	8.1	12.1#

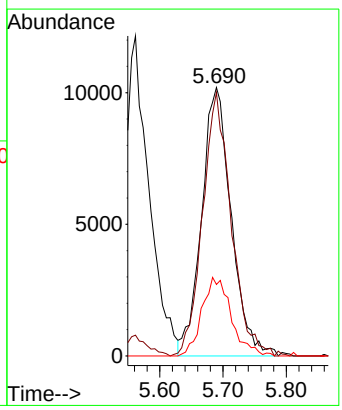


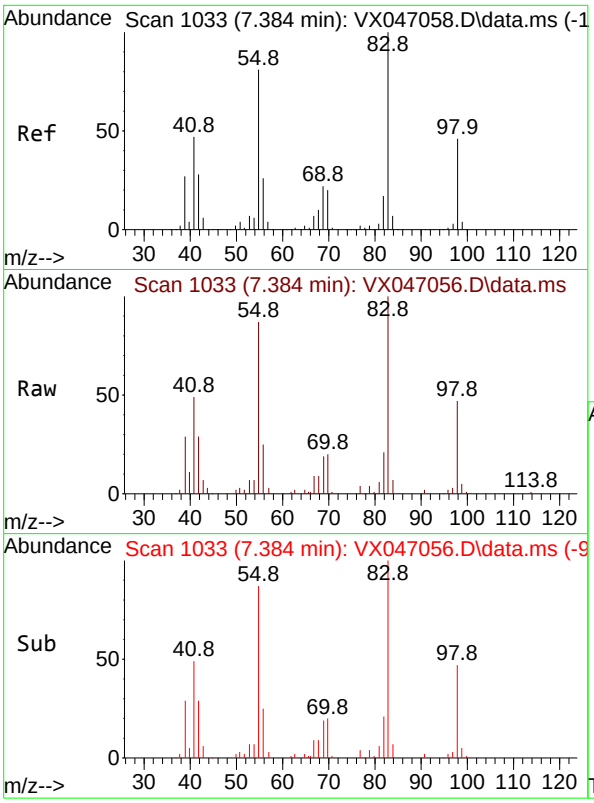


#38
Carbon Tetrachloride
Concen: 5.452 ug/l
RT: 5.690 min Scan# 755
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:117 Resp: 33199

Ion	Ratio	Lower	Upper
117	100		
119	97.1	76.6	115.0
121	26.7	24.4	36.6



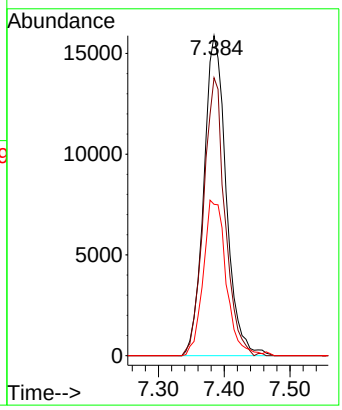


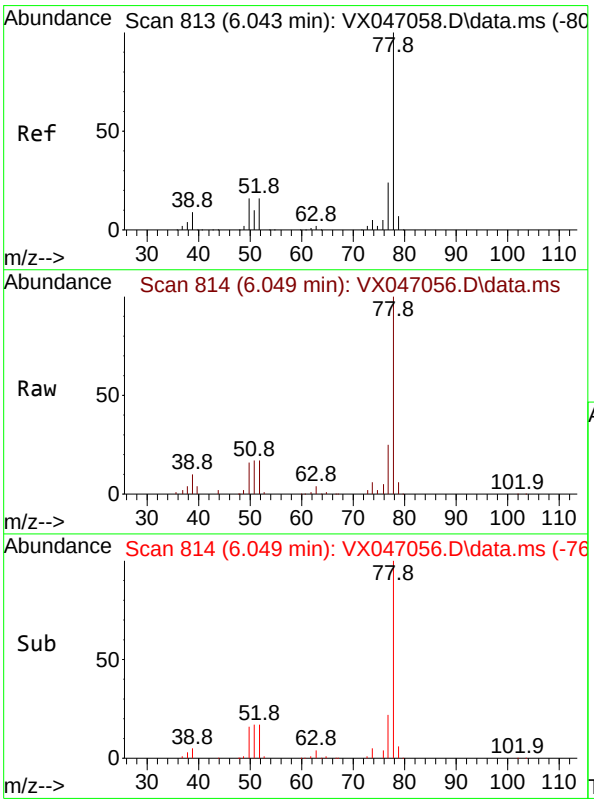
#39
Methylcyclohexane
Concen: 5.271 ug/l
RT: 7.384 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 37547

Ion	Ratio	Lower	Upper
83	100		
55	86.9	64.5	96.7
98	47.3	36.9	55.3

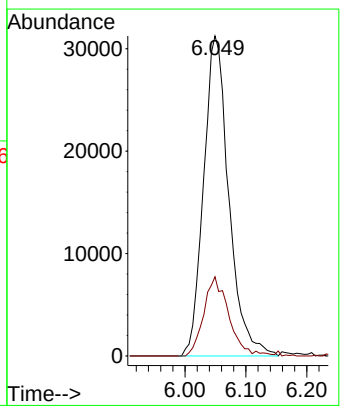


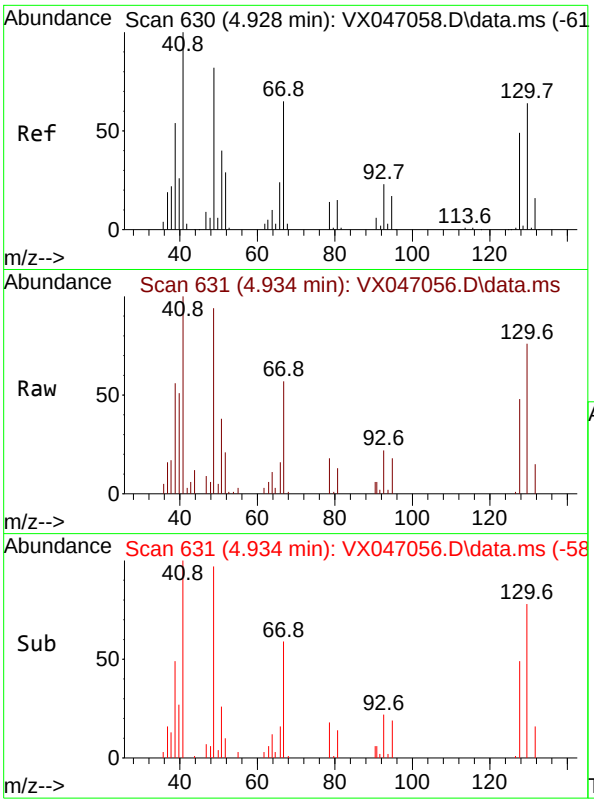


#40
Benzene
Concen: 5.438 ug/l
RT: 6.049 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 78 Resp: 89797

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.4



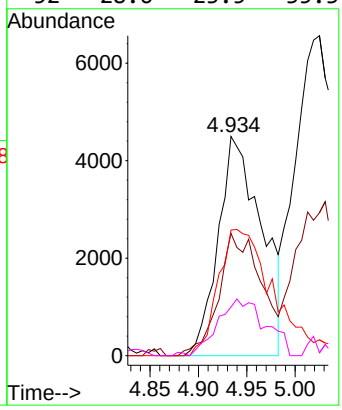


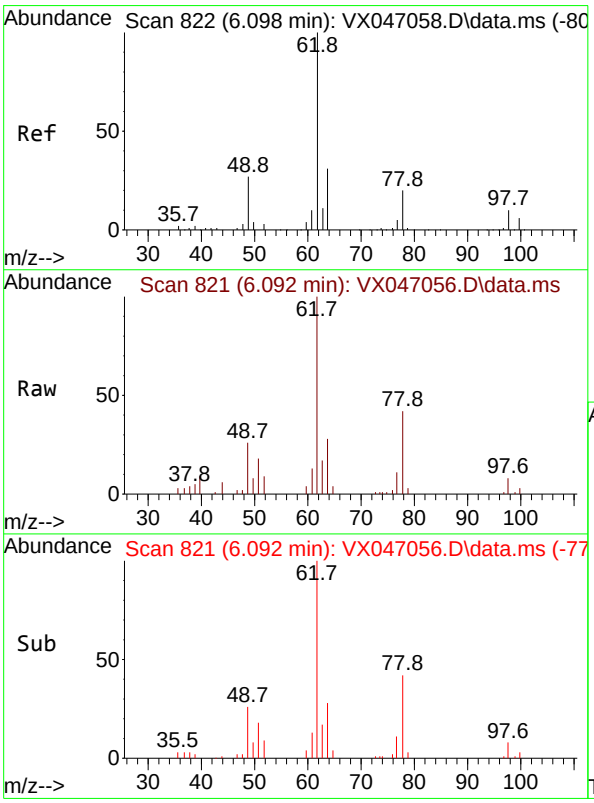
#41
Methacrylonitrile
Concen: 5.100 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 41 Resp: 14018

Ion	Ratio	Lower	Upper
41	100		
39	54.6	44.2	66.2
67	73.8	56.4	84.6
52	28.6	23.5	35.3

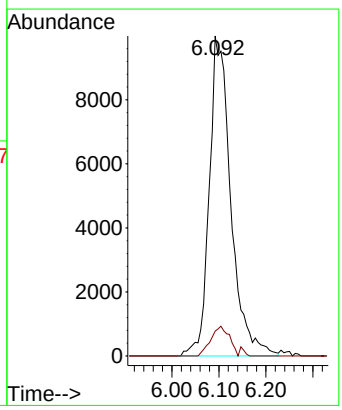


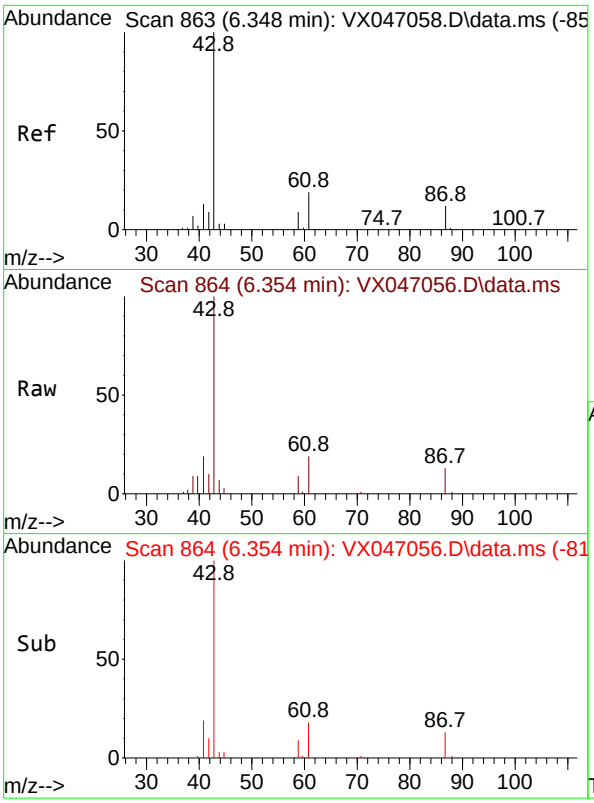


#42
1,2-Dichloroethane
Concen: 5.475 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 62 Resp: 31844

Ion	Ratio	Lower	Upper
62	100		
98	8.0	0.0	18.8



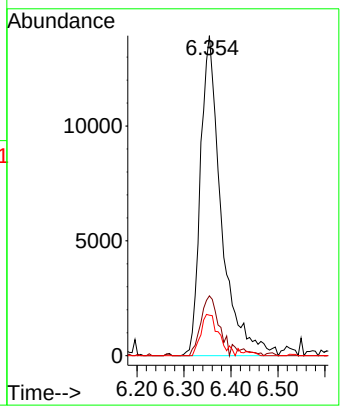


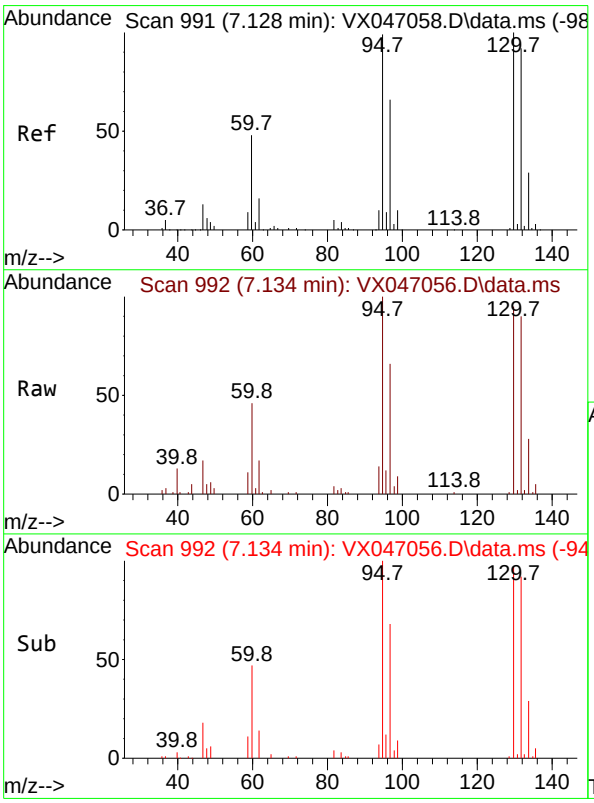
#43
Isopropyl Acetate
Concen: 5.240 ug/l
RT: 6.354 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 42946

Ion	Ratio	Lower	Upper
43	100		
61	15.9	15.1	22.7
87	11.1	9.7	14.5

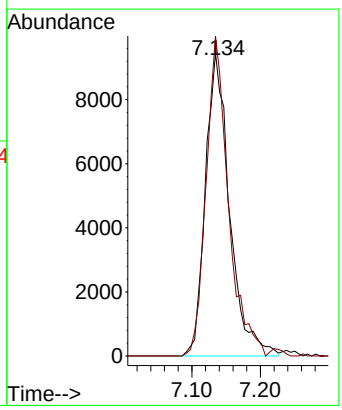


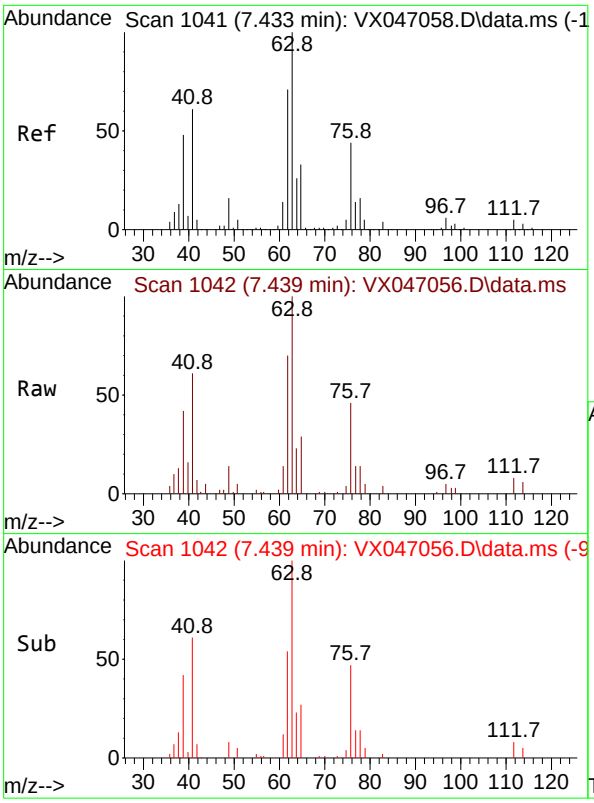


#44
Trichloroethene
Concen: 5.468 ug/l
RT: 7.134 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:130 Resp: 23153

Ion	Ratio	Lower	Upper
130	100		
95	117.9	0.0	198.6



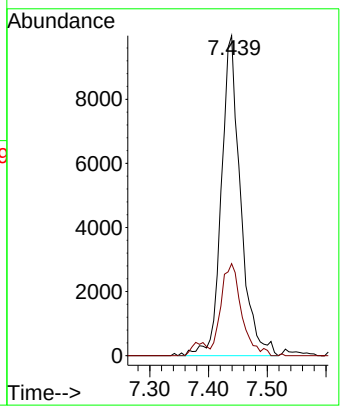


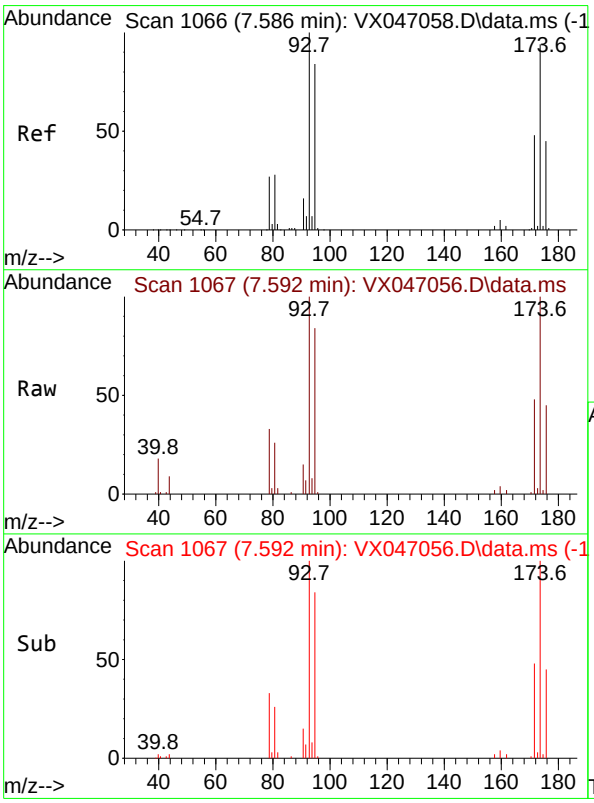
#45
1,2-Dichloropropane
Concen: 5.494 ug/l
RT: 7.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 63 Resp: 22722

Ion	Ratio	Lower	Upper
63	100		
65	28.7	26.3	39.5

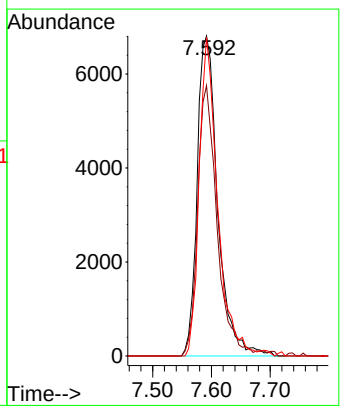


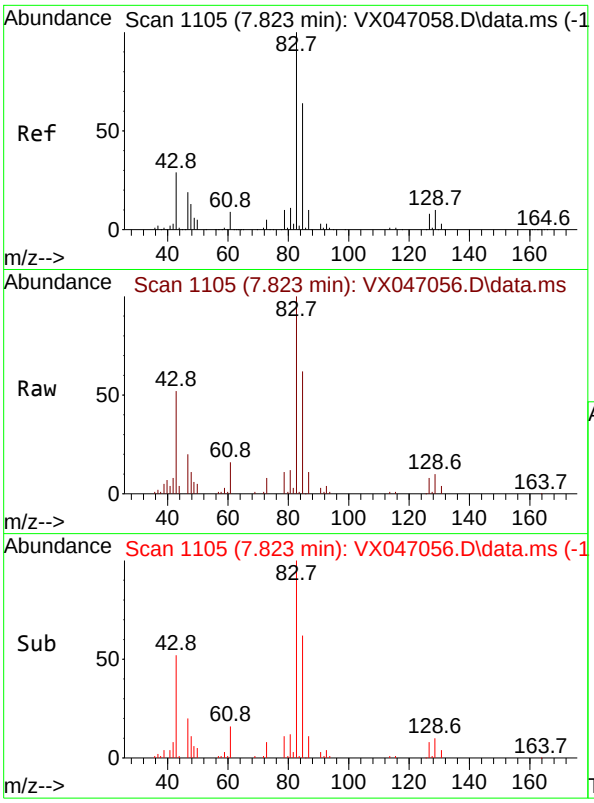


#46
Dibromomethane
Concen: 5.682 ug/l
RT: 7.592 min Scan# 1067
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 93 Resp: 16479

Ion	Ratio	Lower	Upper
93	100		
95	81.0	65.9	98.9
174	89.3	74.6	112.0



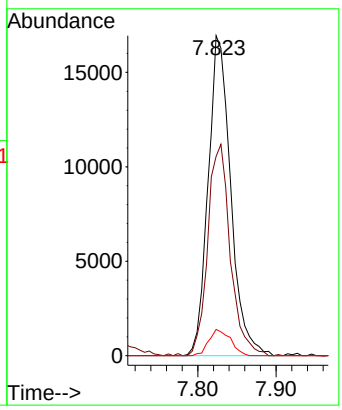


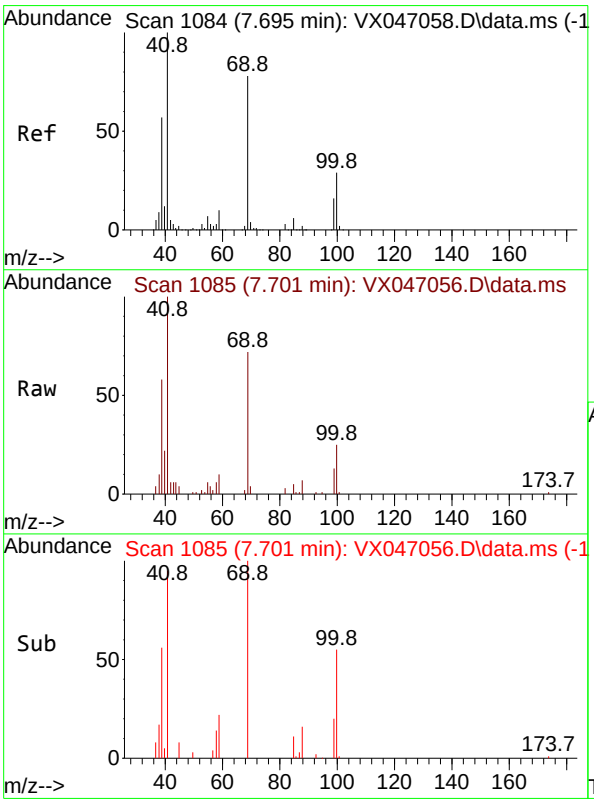
#47
Bromodichloromethane
Concen: 5.498 ug/l
RT: 7.823 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 33939

Ion	Ratio	Lower	Upper
83	100		
85	61.6	49.9	74.9
127	8.1	6.6	10.0

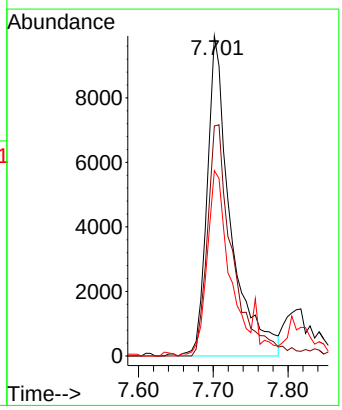


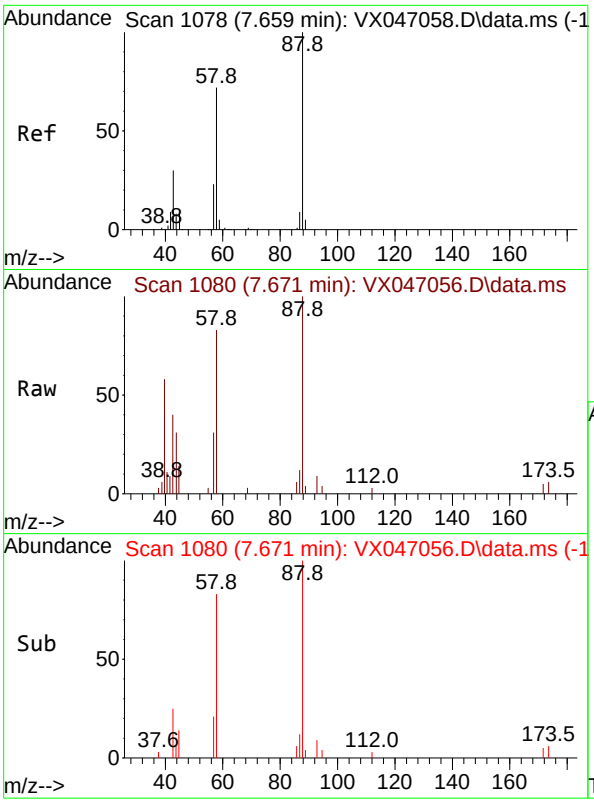


#48
Methyl methacrylate
Concen: 4.851 ug/l
RT: 7.701 min Scan# 1085
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 41 Resp: 21660

Ion	Ratio	Lower	Upper
41	100		
69	77.3	62.3	93.5
39	54.8	44.8	67.2



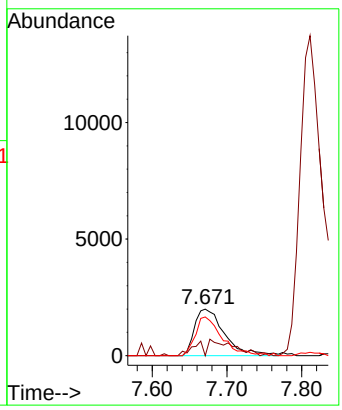


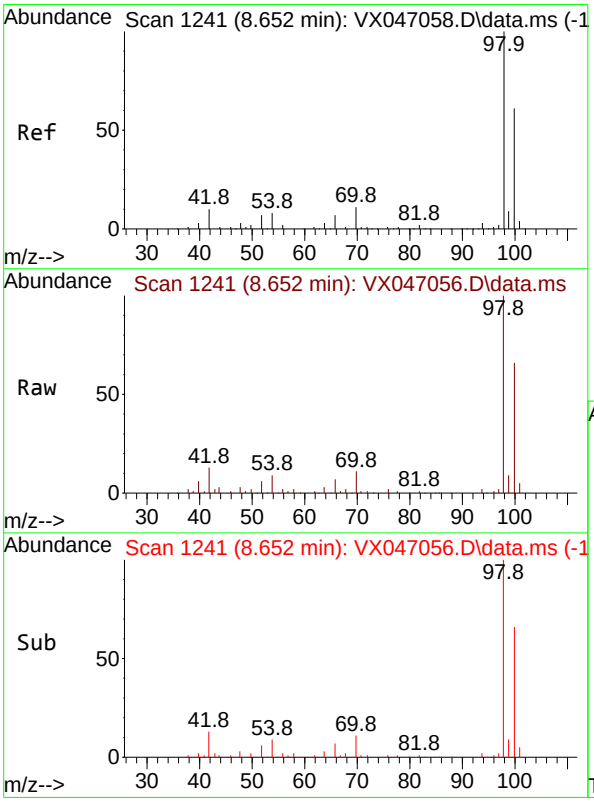
#49
1,4-Dioxane
Concen: 109.271 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.012 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 88 Resp: 5549

Ion	Ratio	Lower	Upper
88	100		
43	29.5	33.6	50.4#
58	74.7	58.8	88.2

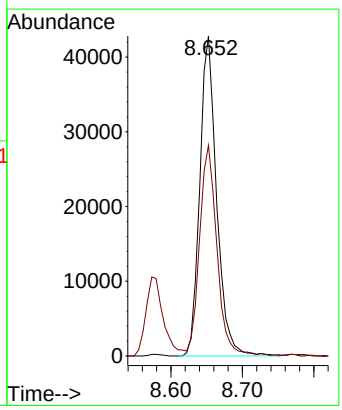


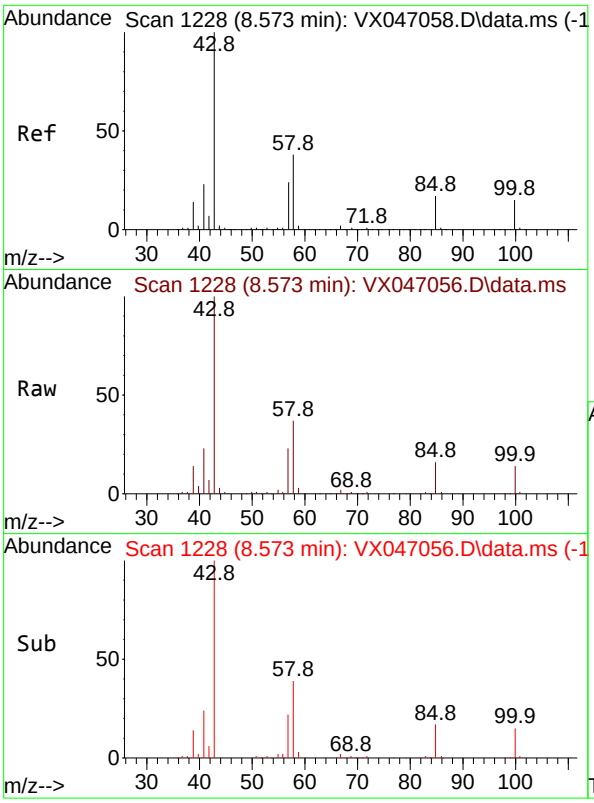


#50
Toluene-d8
Concen: 6.465 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 98 Resp: 70081

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.3	79.9



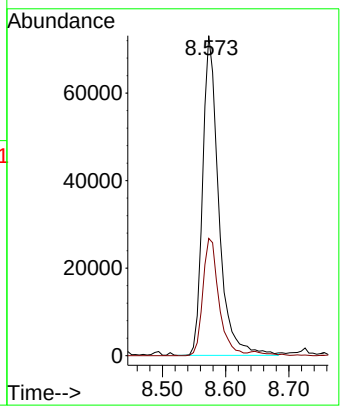


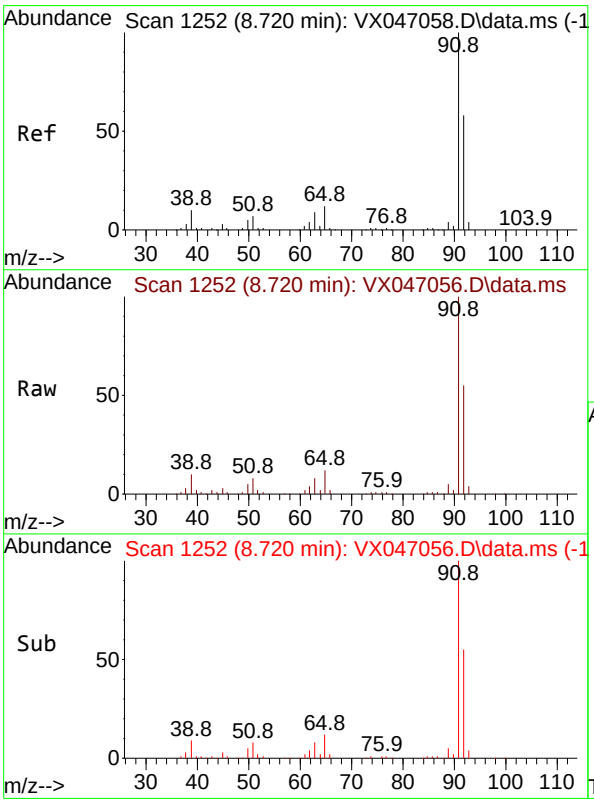
#51
4-Methyl-2-Pentanone
Concen: 26.565 ug/l
RT: 8.573 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 129413

Ion	Ratio	Lower	Upper
43	100		
58	36.6	30.6	45.8

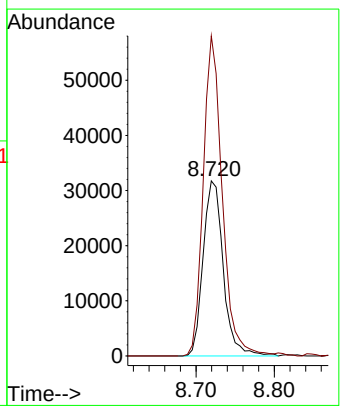


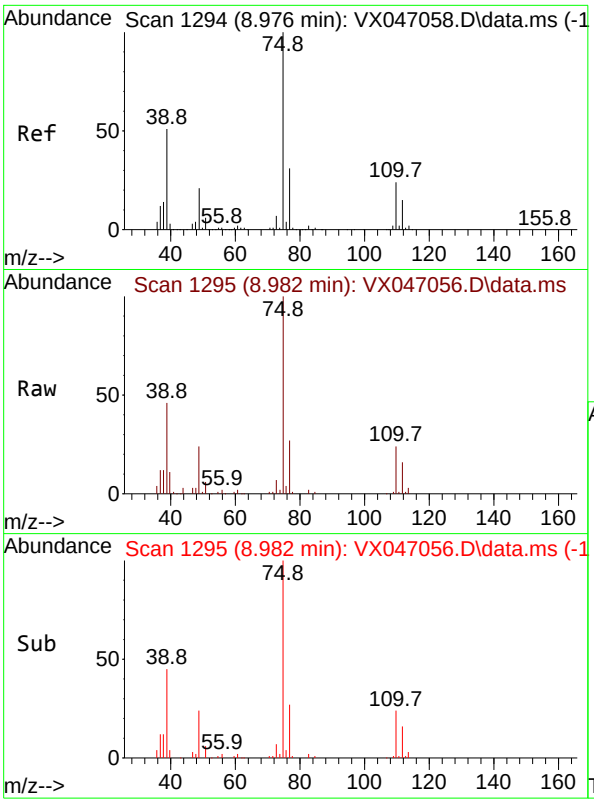


#52
Toluene
Concen: 5.592 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 92 Resp: 56775

Ion	Ratio	Lower	Upper
92	100		
91	171.9	137.9	206.9



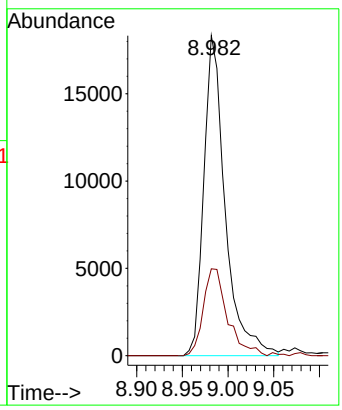


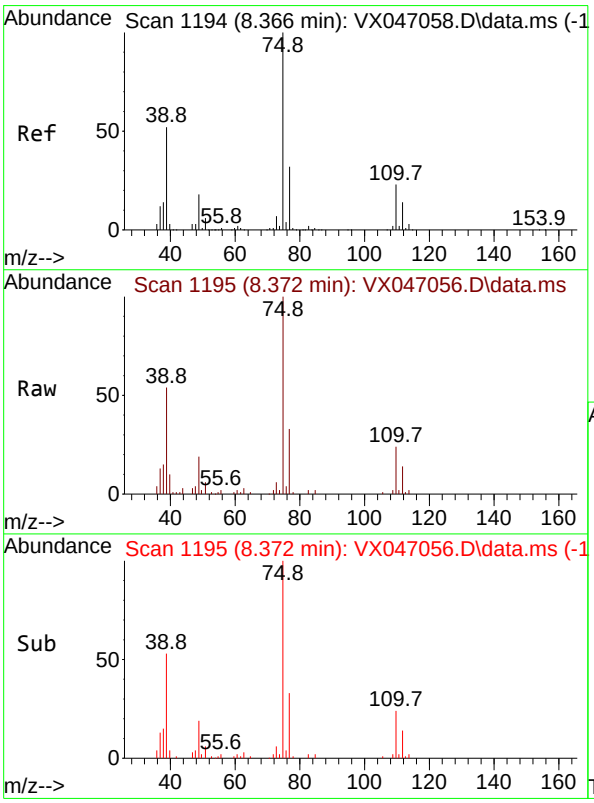
#53
t-1,3-Dichloropropene
Concen: 5.108 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 29776

Ion	Ratio	Lower	Upper
75	100		
77	27.1	24.5	36.7

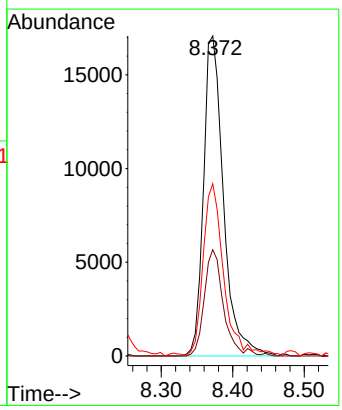


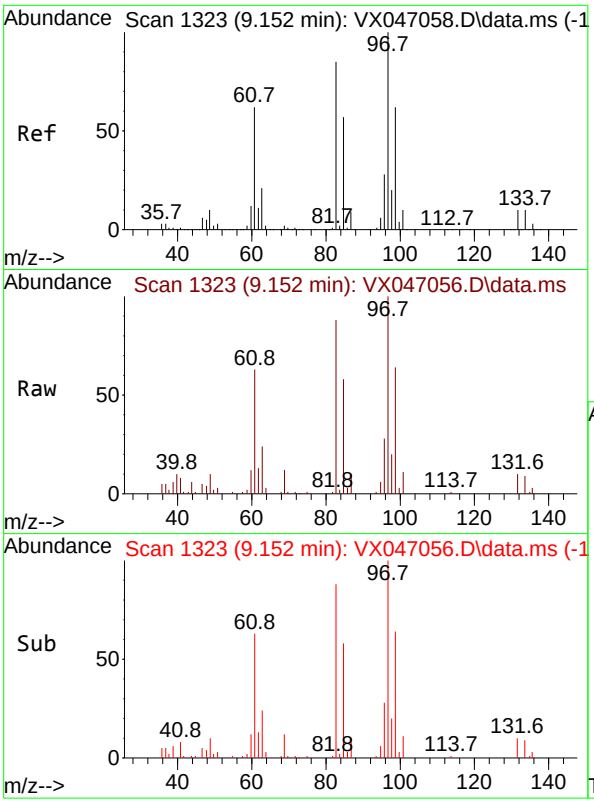


#54
cis-1,3-Dichloropropene
Concen: 5.193 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 75 Resp: 33127

Ion	Ratio	Lower	Upper
75	100		
77	33.2	25.4	38.0
39	53.2	41.8	62.6



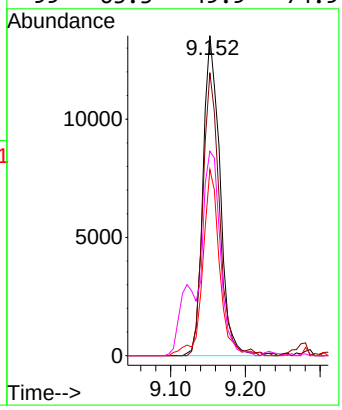


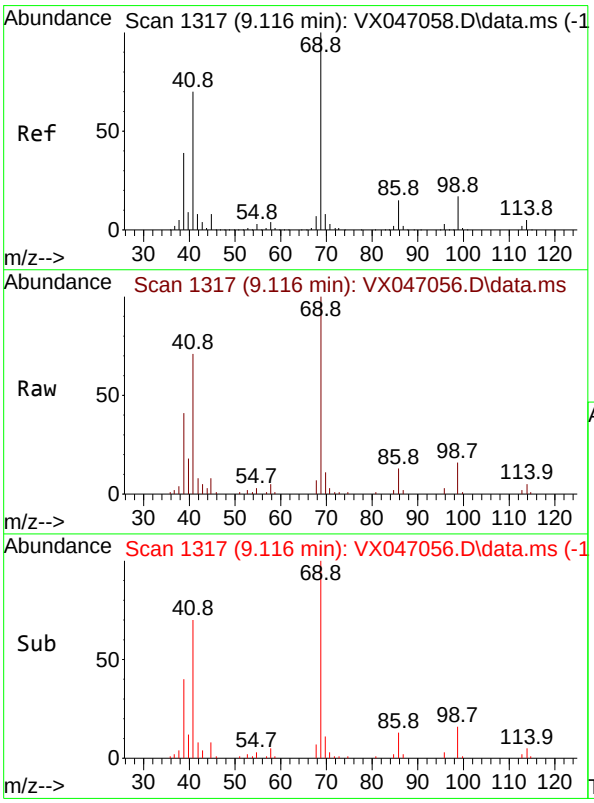
#55
1,1,2-Trichloroethane
Concen: 5.574 ug/l
RT: 9.152 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 97 Resp: 21223

Ion	Ratio	Lower	Upper
97	100		
83	88.4	68.0	102.0
85	58.2	45.2	67.8
99	63.3	49.9	74.9

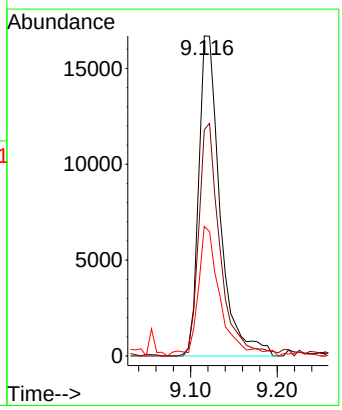


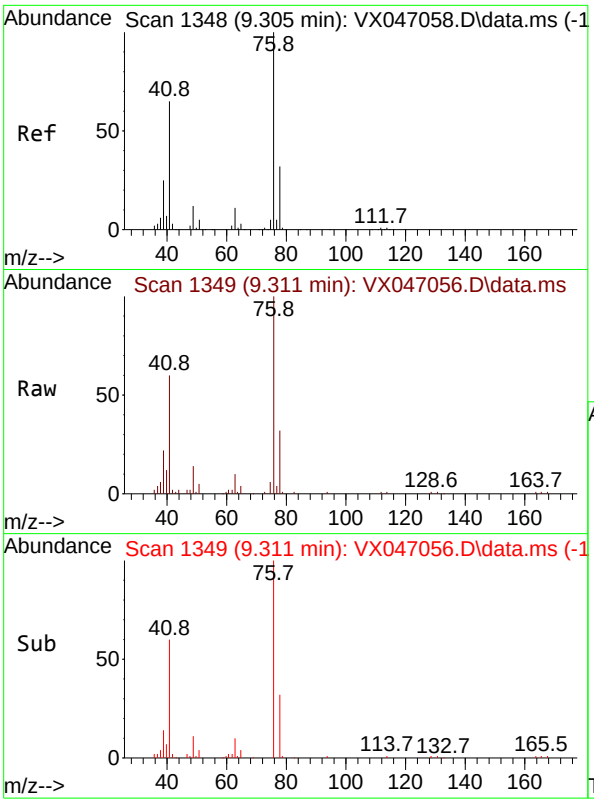


#56
Ethyl methacrylate
Concen: 5.072 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 69 Resp: 28587

Ion	Ratio	Lower	Upper
69	100		
41	72.7	56.1	84.1
39	42.1	31.1	46.7



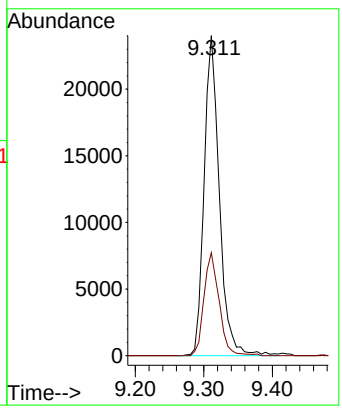


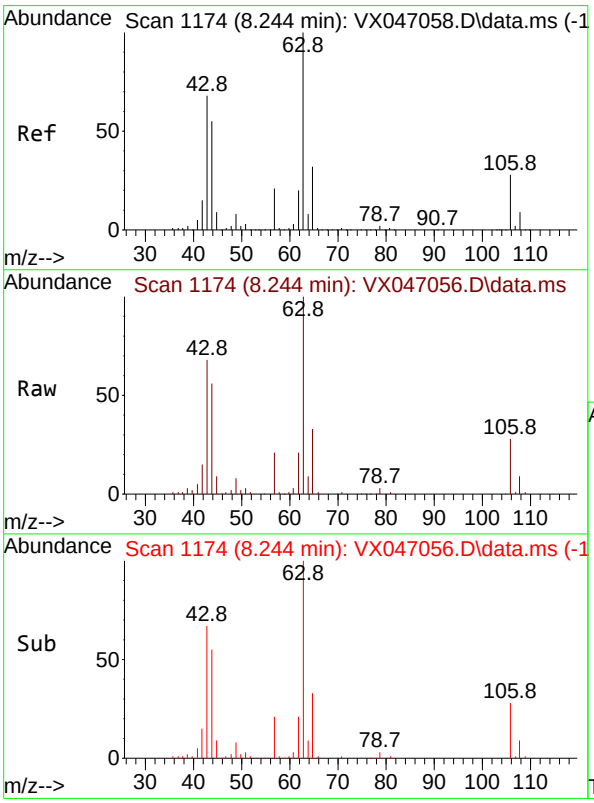
#57
1,3-Dichloropropane
Concen: 5.629 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 76 Resp: 37251

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

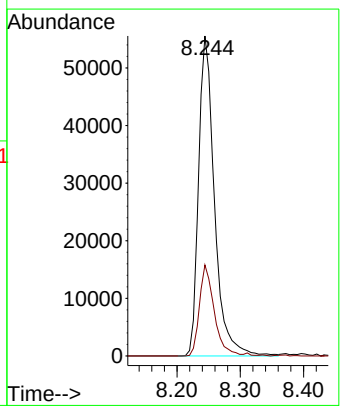


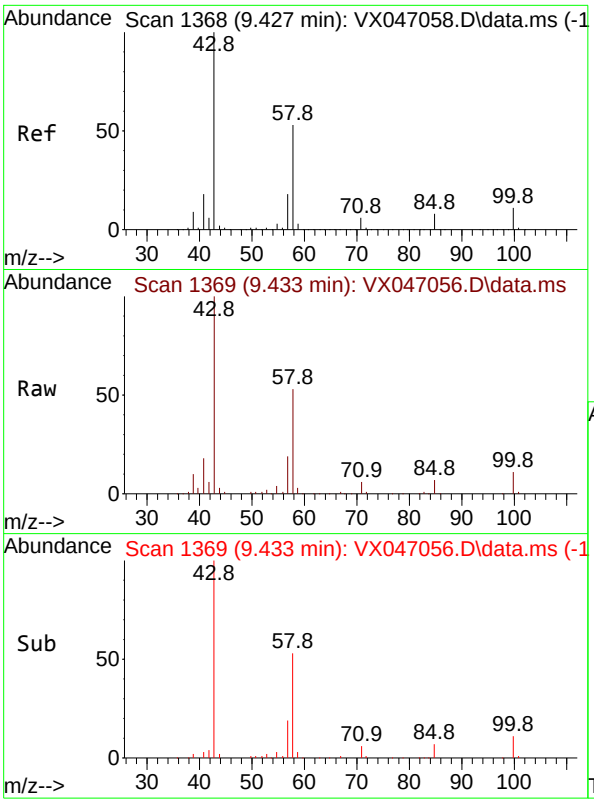


#58
2-Chloroethyl Vinyl ether
Concen: 31.066 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 63 Resp: 97443

Ion	Ratio	Lower	Upper
63	100		
106	26.7	22.2	33.4



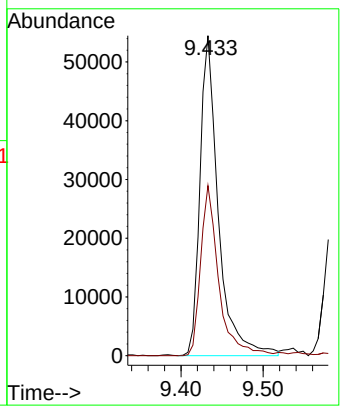


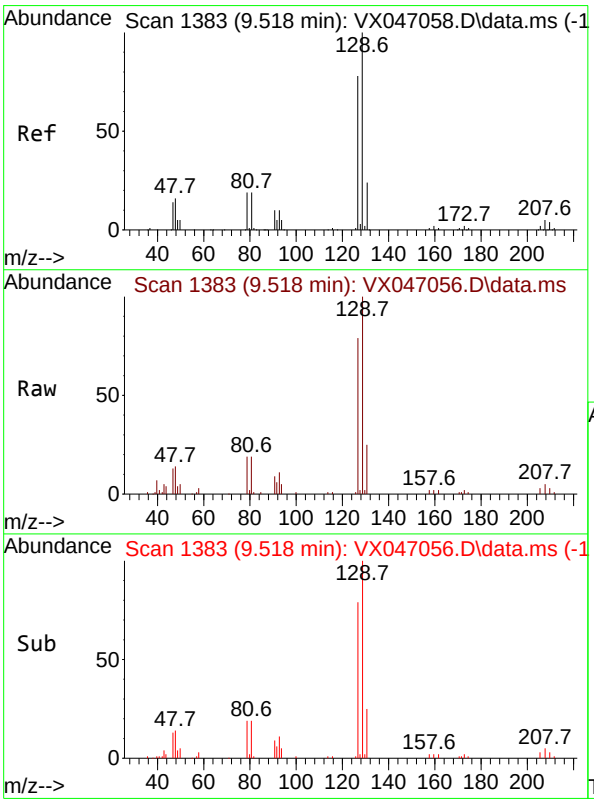
#59
2-Hexanone
Concen: 26.276 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 43 Resp: 84572

Ion	Ratio	Lower	Upper
43	100		
58	52.3	26.5	79.5

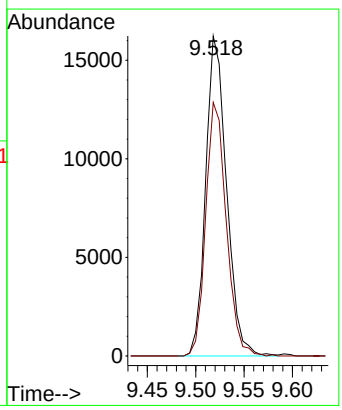


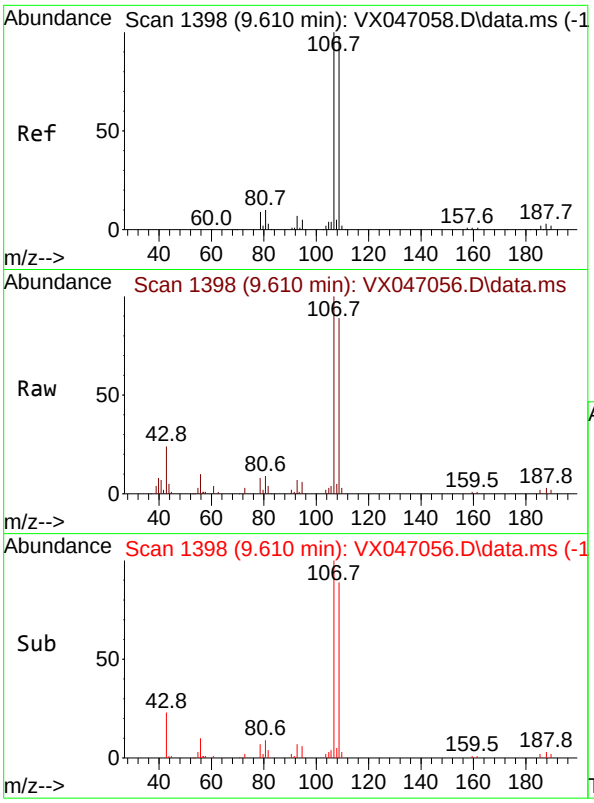


#60
Dibromochloromethane
Concen: 5.454 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:129 Resp: 24354

Ion	Ratio	Lower	Upper
129	100		
127	78.1	38.6	115.8



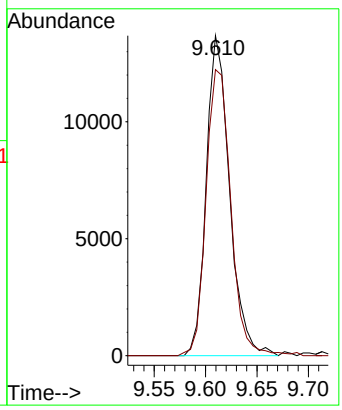


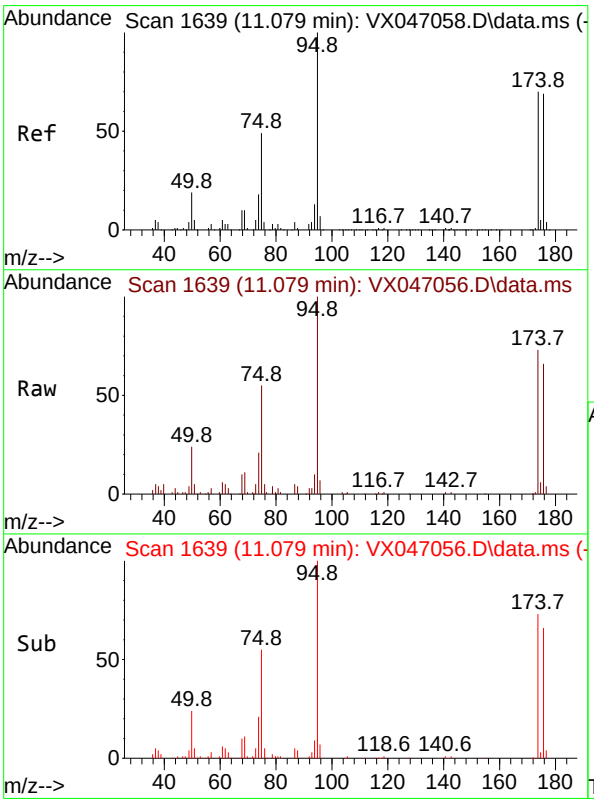
#61
1,2-Dibromoethane
Concen: 5.420 ug/l
RT: 9.610 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:107 Resp: 21578

Ion	Ratio	Lower	Upper
107	100		
109	95.2	74.6	112.0

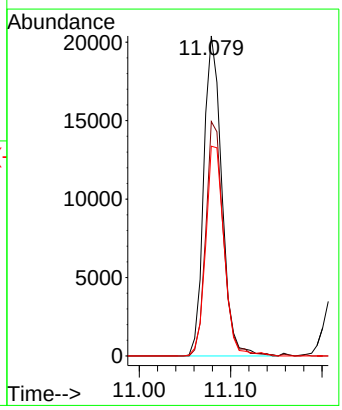


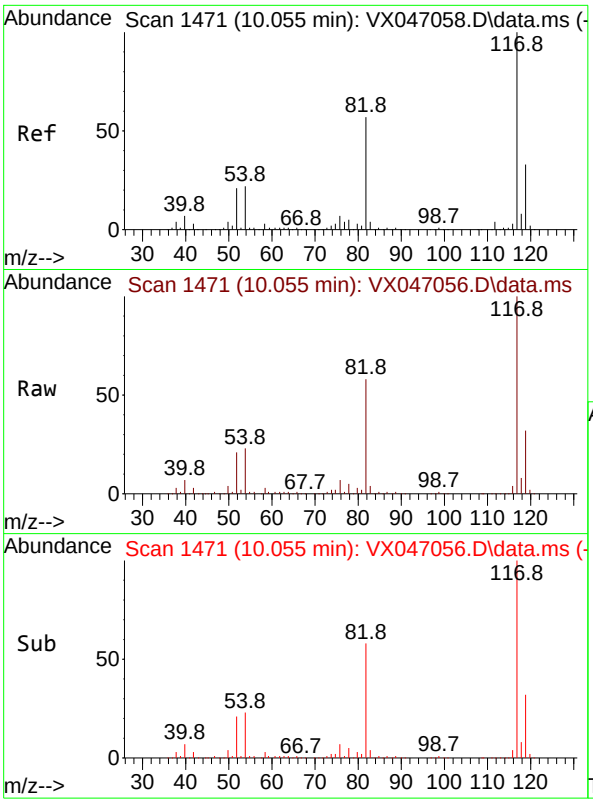


#62
4-Bromofluorobenzene
Concen: 5.968 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 95 Resp: 27880

Ion	Ratio	Lower	Upper
95	100		
174	71.5	0.0	144.6
176	67.1	0.0	139.6



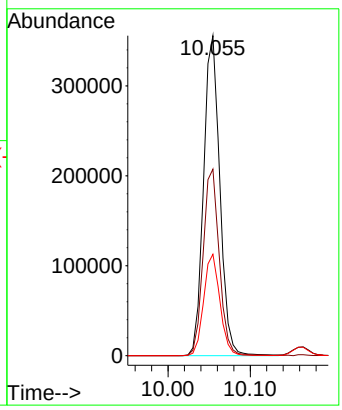


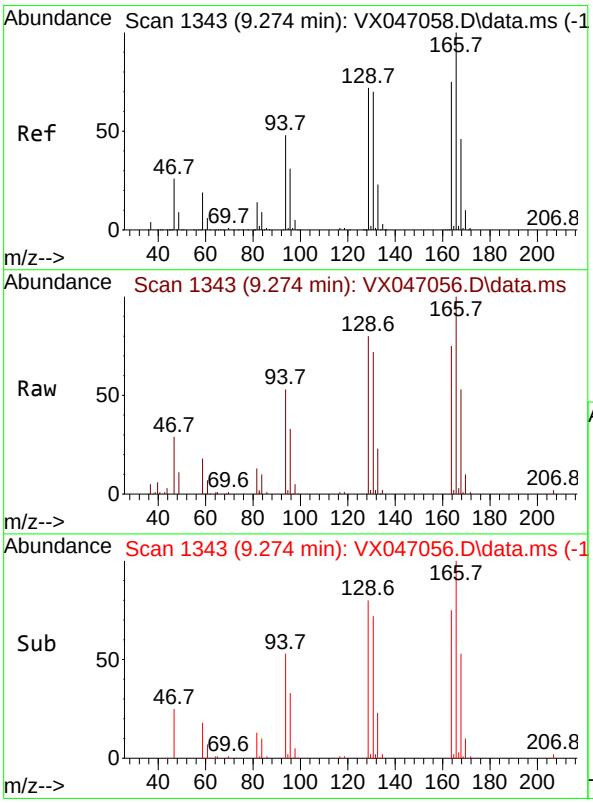
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:117 Resp: 488683

Ion	Ratio	Lower	Upper
117	100		
82	58.3	45.4	68.2
119	31.7	26.1	39.1

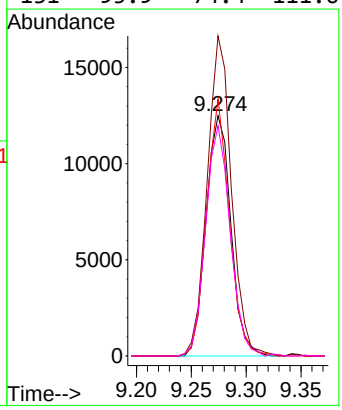


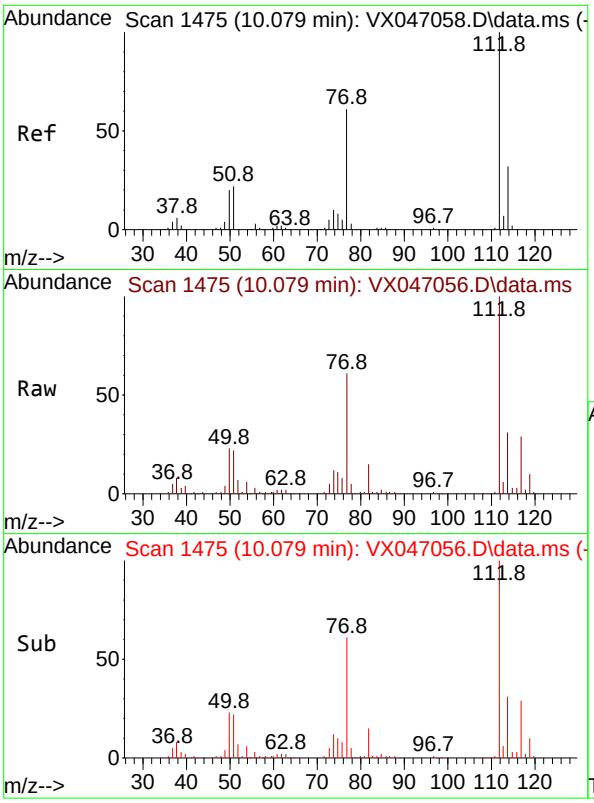


#64
Tetrachloroethene
Concen: 5.592 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:164 Resp: 19701

Ion	Ratio	Lower	Upper
164	100		
166	133.2	106.2	159.4
129	106.9	76.6	114.8
131	95.9	74.4	111.6



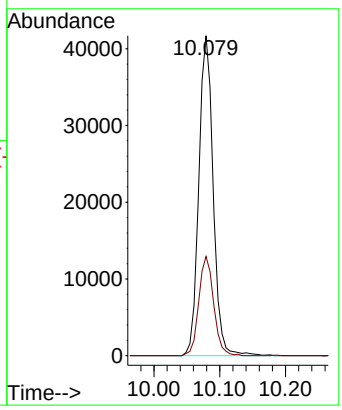


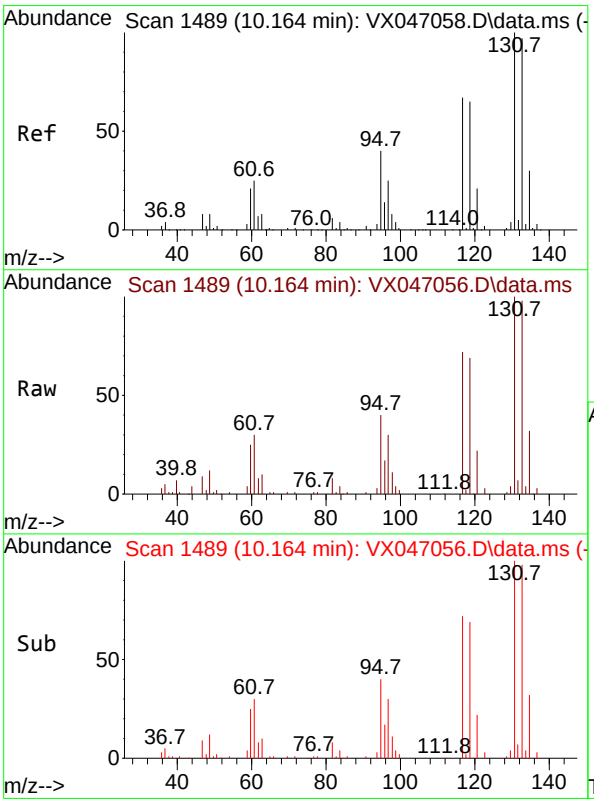
#65
Chlorobenzene
Concen: 5.526 ug/l
RT: 10.079 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:112 Resp: 63268

Ion	Ratio	Lower	Upper
112	100		
114	31.0	25.8	38.6

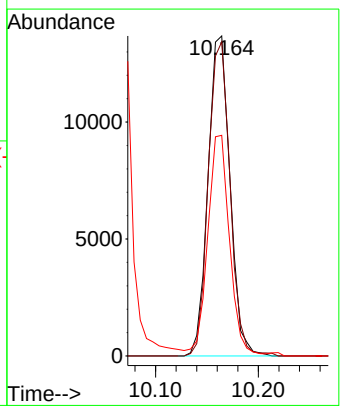


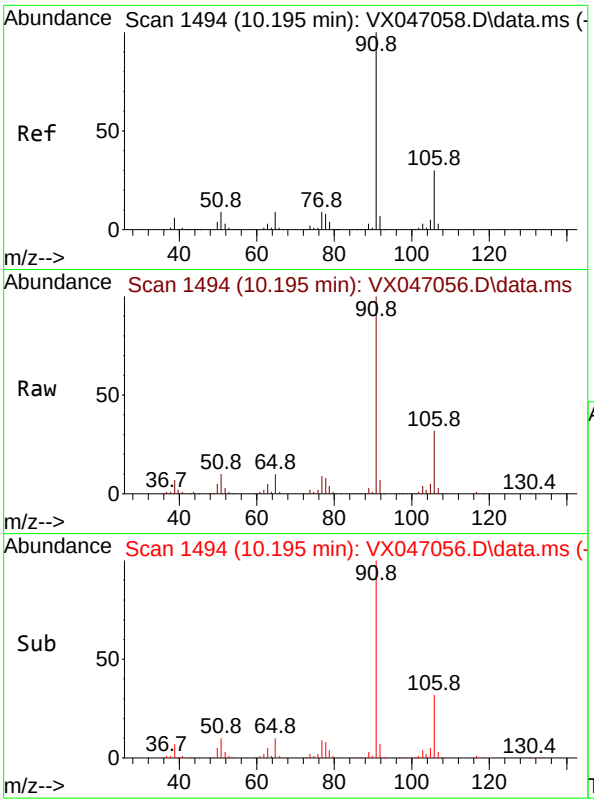


#66
1,1,1,2-Tetrachloroethane
Concen: 5.267 ug/l
RT: 10.164 min Scan# 1489
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:131 Resp: 20300

Ion	Ratio	Lower	Upper
131	100		
133	97.1	48.4	145.3
119	66.9	32.4	97.0



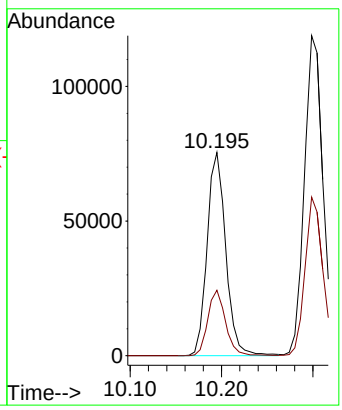


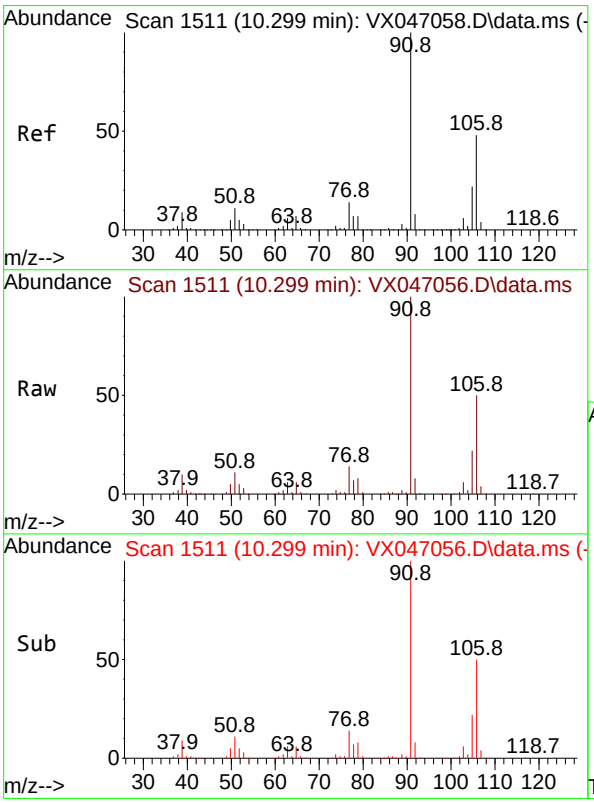
#67
Ethyl Benzene
Concen: 5.345 ug/l
RT: 10.195 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 106984

Ion	Ratio	Lower	Upper
91	100		
106	32.2	24.2	36.4

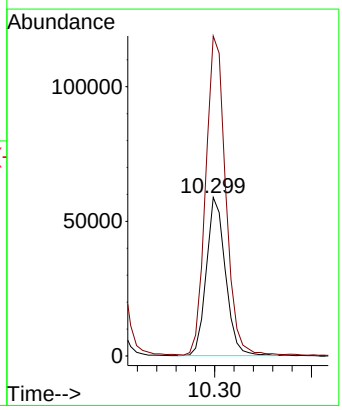


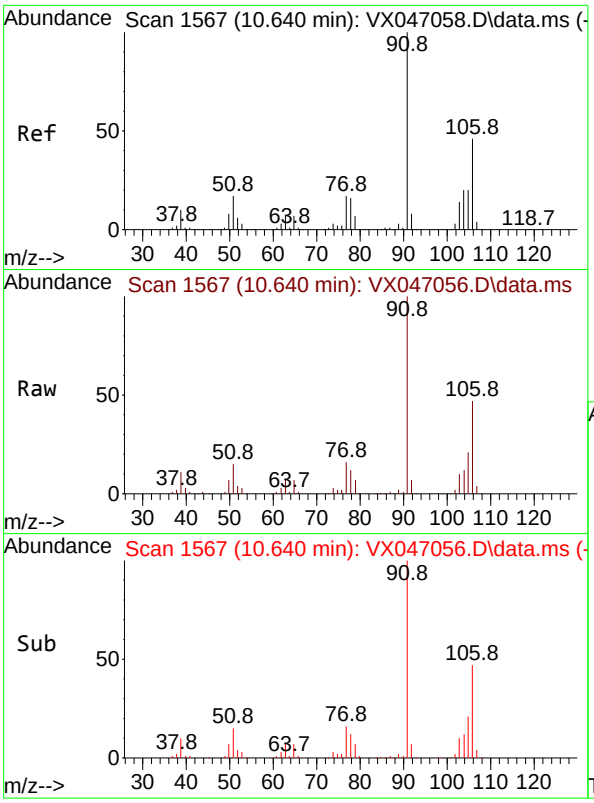


#68
m/p-Xylenes
Concen: 10.791 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:106 Resp: 80835

Ion	Ratio	Lower	Upper
106	100		
91	211.3	167.4	251.0



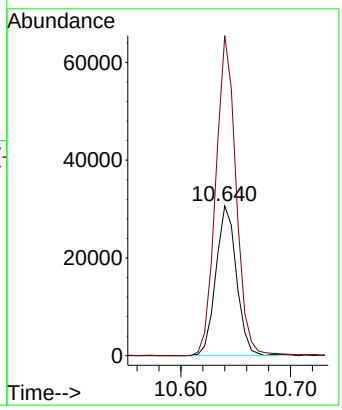


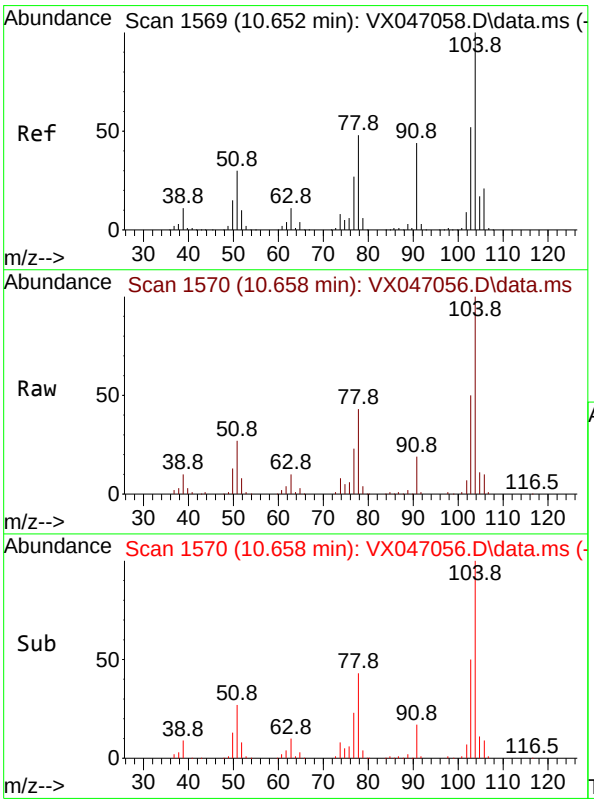
#69
o-Xylene
Concen: 5.623 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:106 Resp: 40071

Ion	Ratio	Lower	Upper
106	100		
91	211.4	110.3	331.0

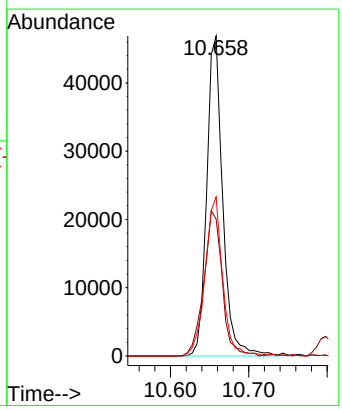


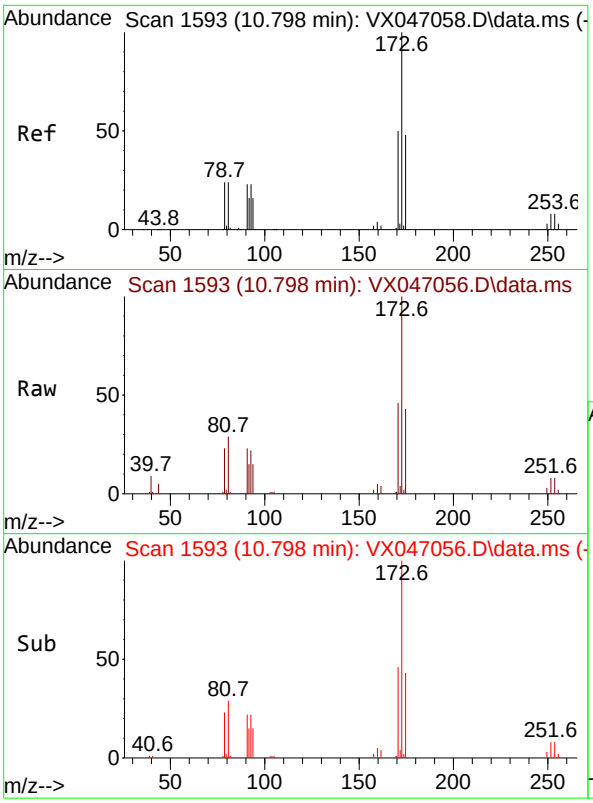


#70
Styrene
Concen: 5.424 ug/l
RT: 10.658 min Scan# 1570
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:104 Resp: 66283

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.0	63.0
103	54.3	43.8	65.6



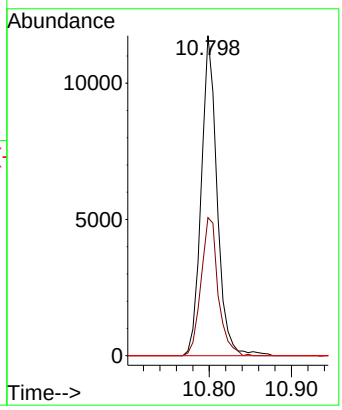


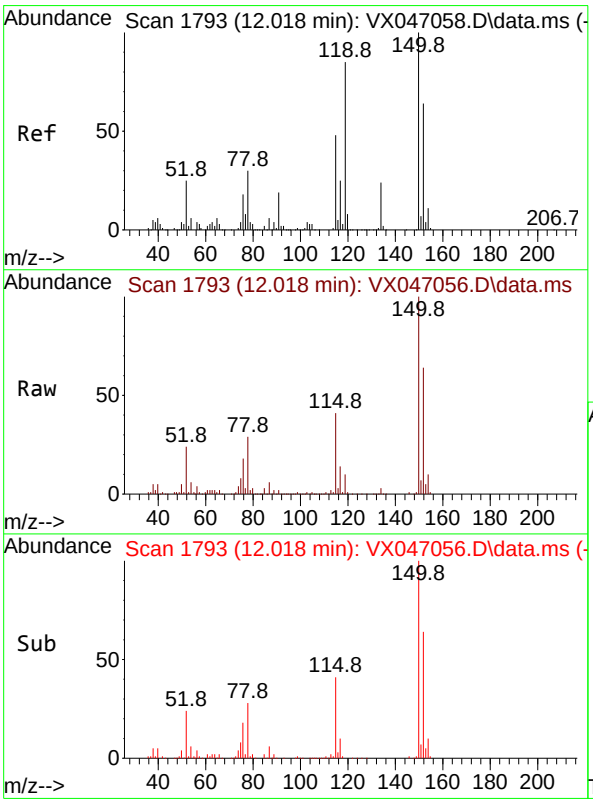
#71
Bromoform
Concen: 5.384 ug/l
RT: 10.798 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:173 Resp: 15763

Ion	Ratio	Lower	Upper
173	100		
175	46.6	24.2	72.6
254	0.0	0.1	0.1#

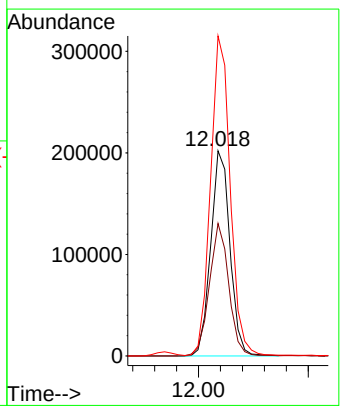


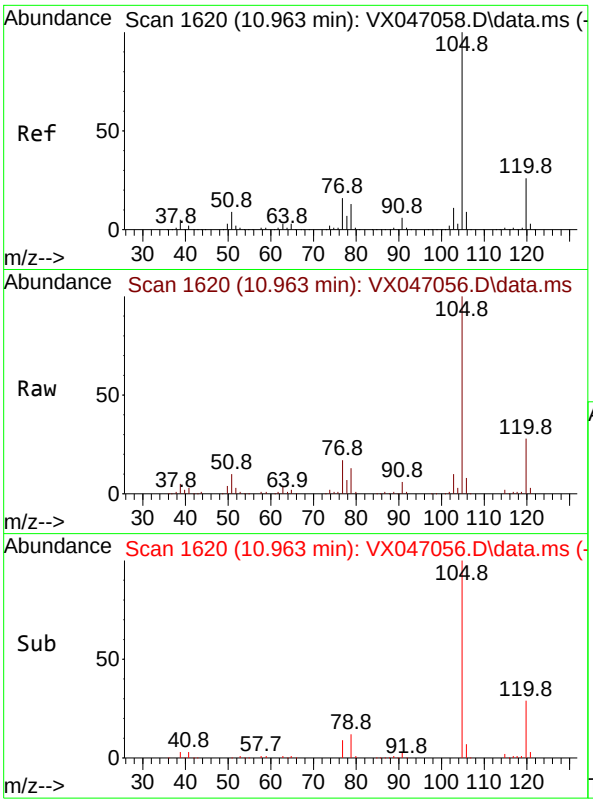


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:152 Resp: 246301

Ion	Ratio	Lower	Upper
152	100		
115	65.0	45.6	136.7
150	159.5	0.0	354.6



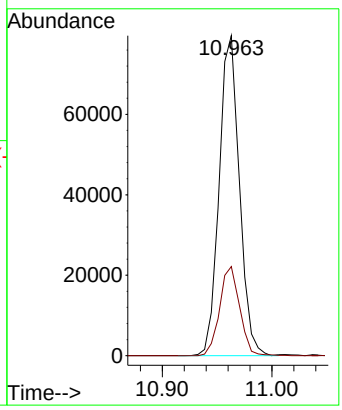


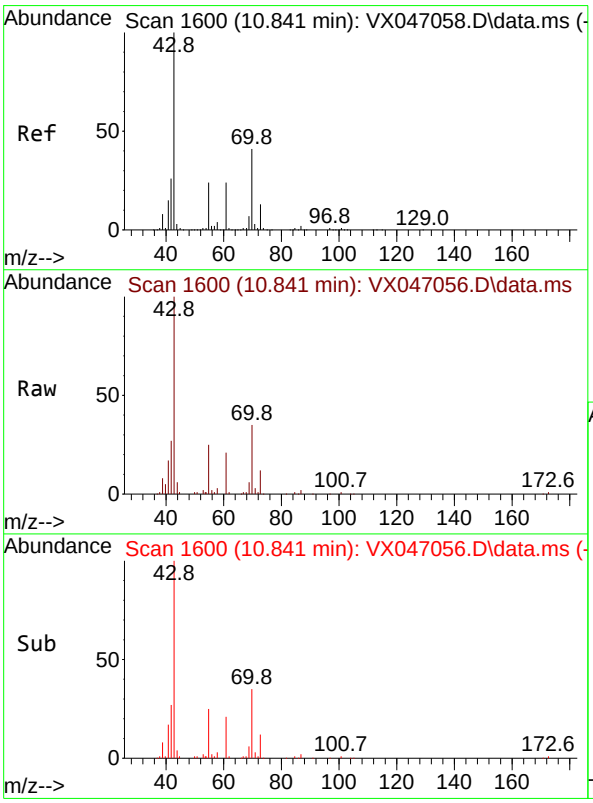
#73
Isopropylbenzene
Concen: 5.257 ug/l
RT: 10.963 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 102157

Ion	Ratio	Lower	Upper
105	100		
120	27.6	12.9	38.7

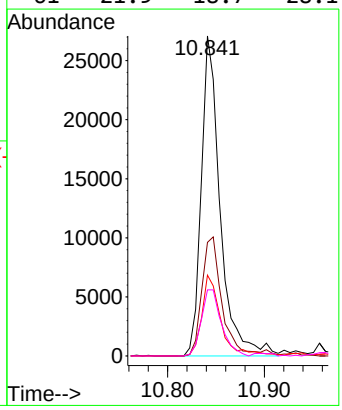


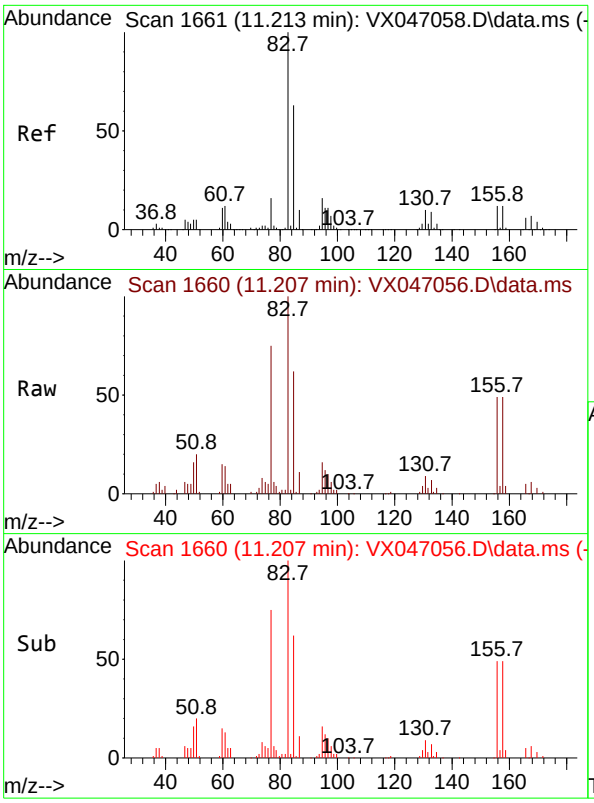


#74
N-amyl acetate
Concen: 4.769 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 43 Resp: 36965

Ion	Ratio	Lower	Upper
43	100		
70	40.0	32.3	48.5
55	25.3	18.9	28.3
61	21.9	18.7	28.1



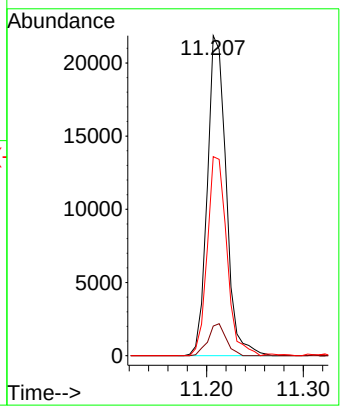


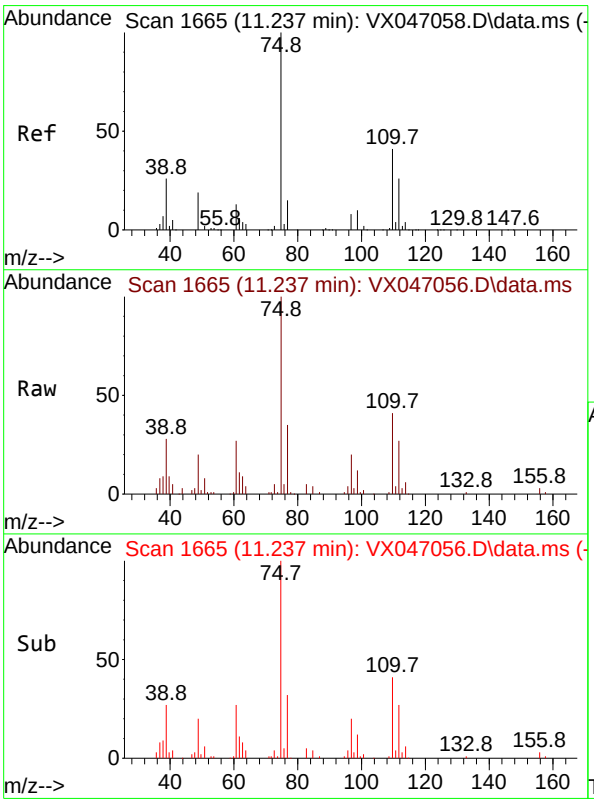
#75
1,1,2,2-Tetrachloroethane
Concen: 5.338 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 83 Resp: 29627

Ion	Ratio	Lower	Upper
83	100		
131	9.6	5.0	14.9
85	64.5	32.0	96.2

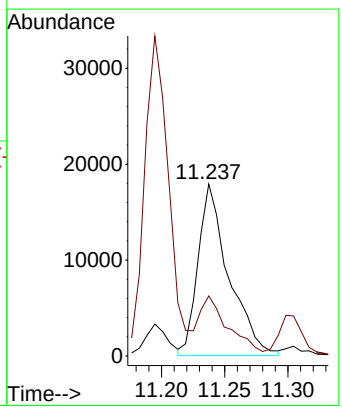


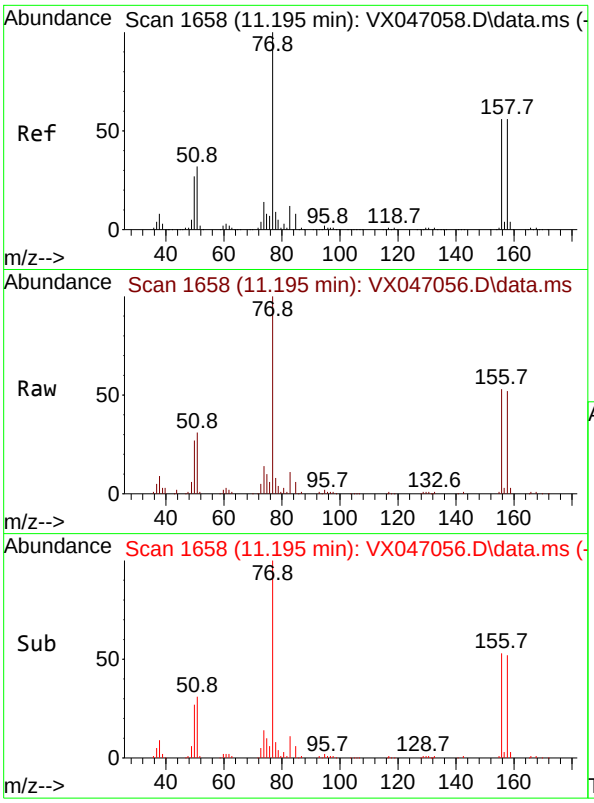


#76
1,2,3-Trichloropropane
Concen: 6.651 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 75 Resp: 30322

Ion	Ratio	Lower	Upper
75	100		
77	32.3	21.6	65.0



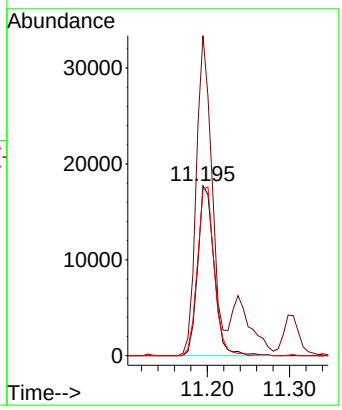


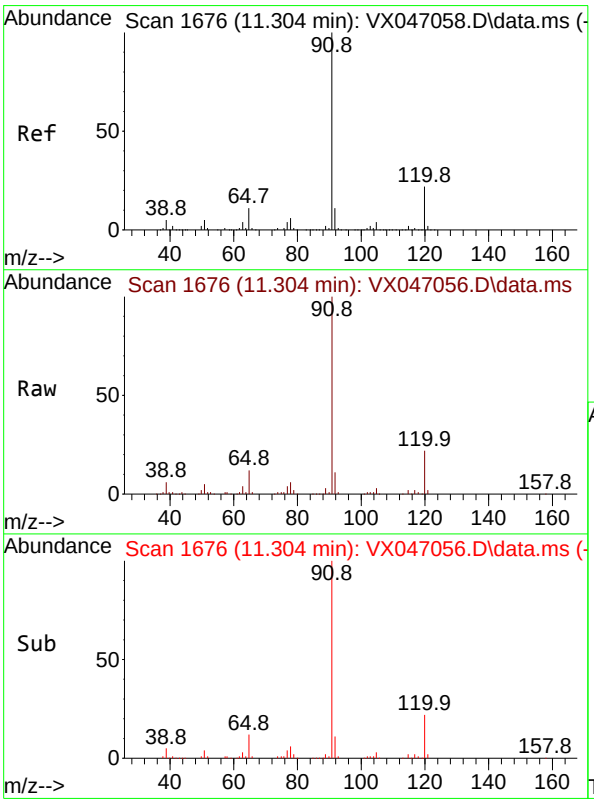
#77
Bromobenzene
Concen: 5.267 ug/l
RT: 11.195 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:156 Resp: 24549

Ion	Ratio	Lower	Upper
156	100		
77	182.6	87.3	261.9
158	101.5	48.9	146.6

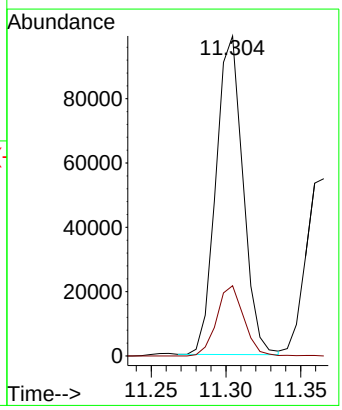


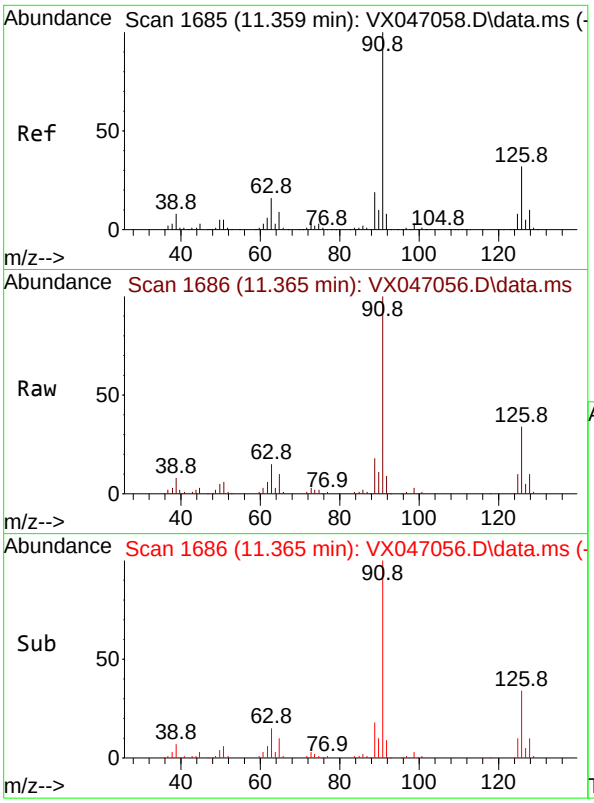


#78
n-propylbenzene
Concen: 5.368 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 91 Resp: 124648

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0



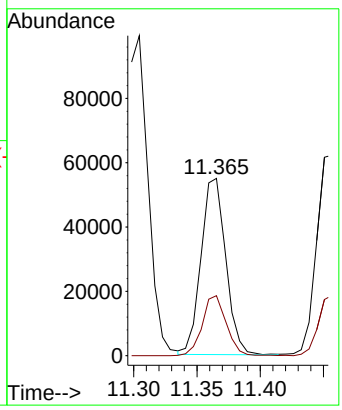


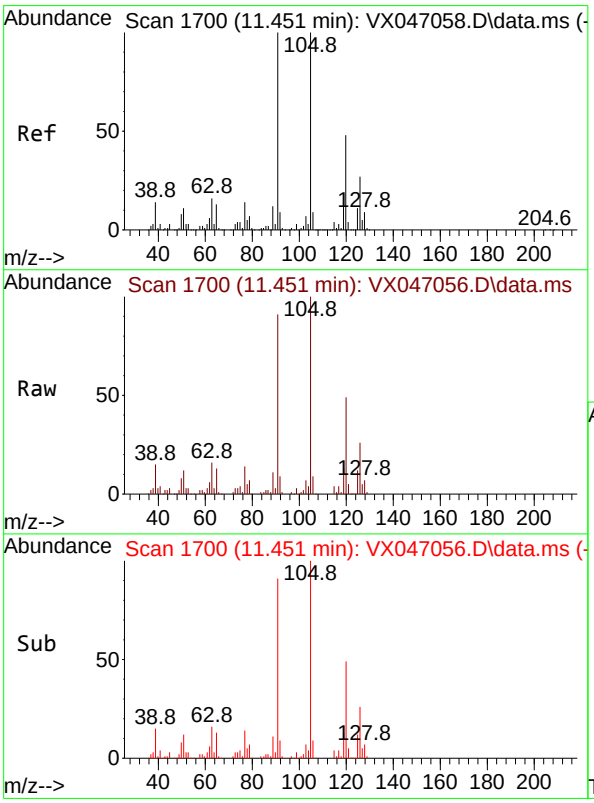
#79
2-Chlorotoluene
Concen: 5.387 ug/l
RT: 11.365 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 74781

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

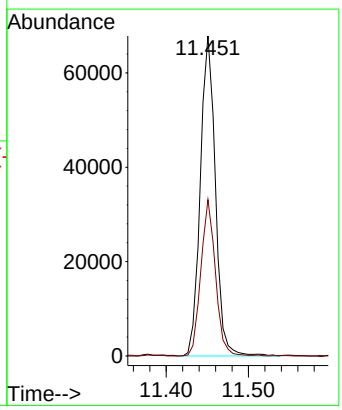


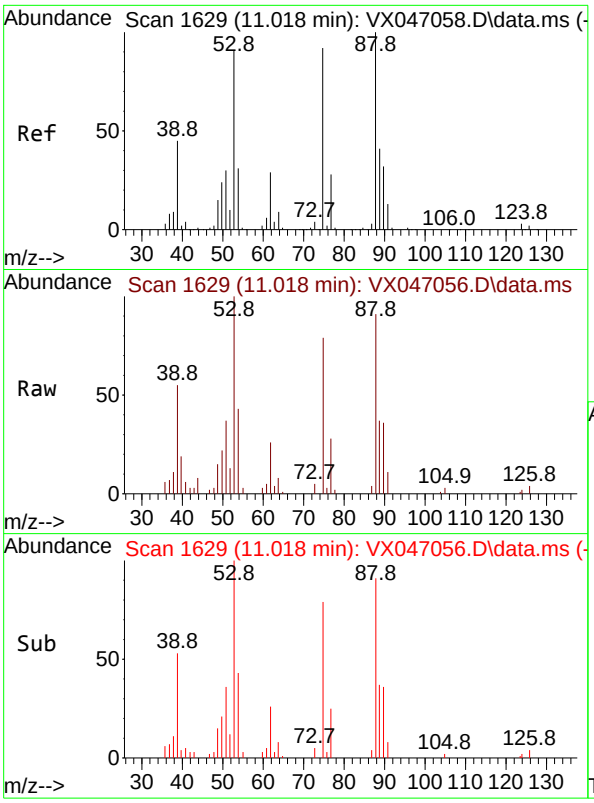


#80
1,3,5-Trimethylbenzene
Concen: 5.383 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:105 Resp: 86414

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5



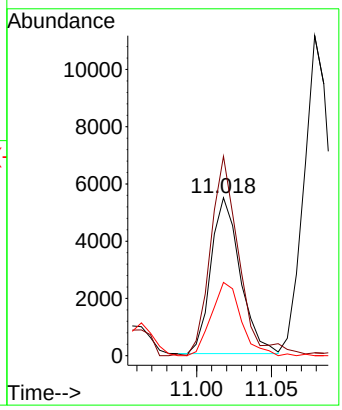


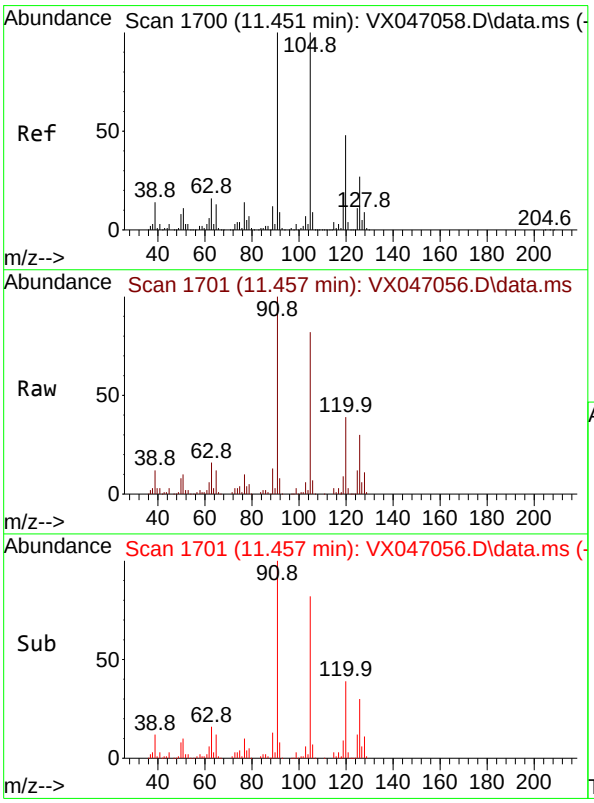
#81
trans-1,4-Dichloro-2-butene
Concen: 4.186 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 75 Resp: 7407

Ion	Ratio	Lower	Upper
75	100		
53	124.4	84.2	126.4
89	48.2	36.0	54.0

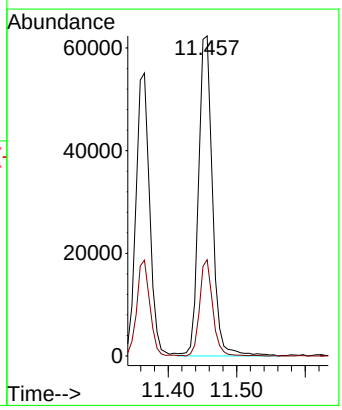


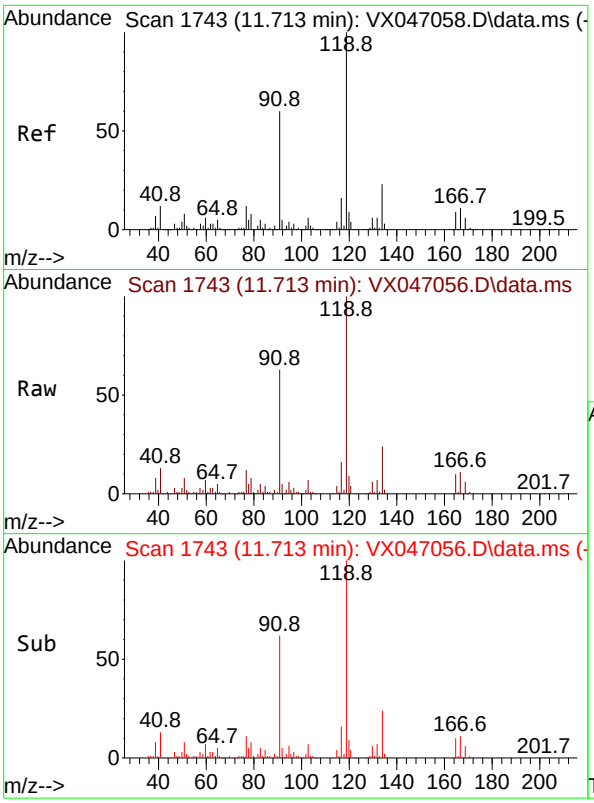


#82
4-Chlorotoluene
Concen: 5.450 ug/l
RT: 11.457 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 91 Resp: 88304

Ion	Ratio	Lower	Upper
91	100		
126	27.7	14.1	42.3



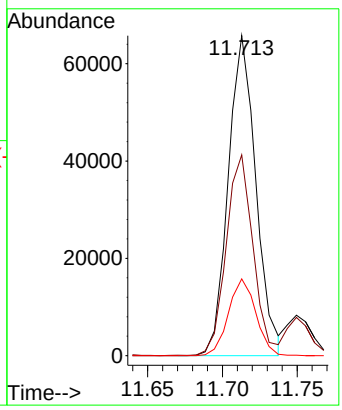


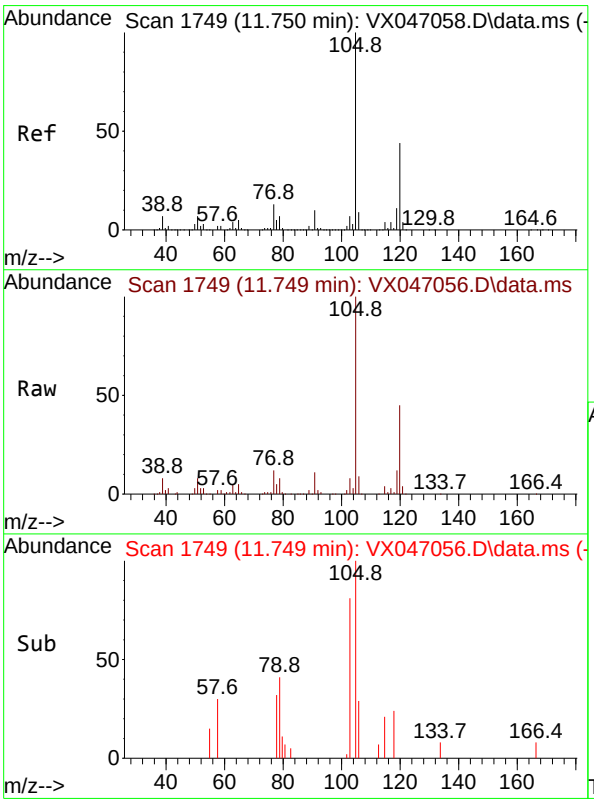
#83
tert-Butylbenzene
Concen: 5.248 ug/l
RT: 11.713 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:119 Resp: 84560

Ion	Ratio	Lower	Upper
119	100		
91	61.4	29.6	88.8
134	23.8	11.4	34.1

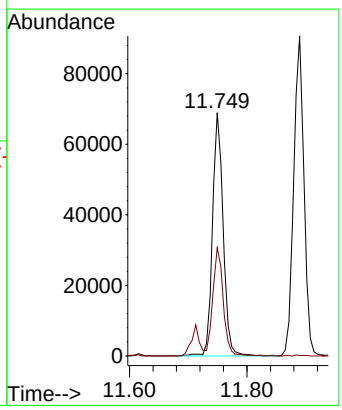


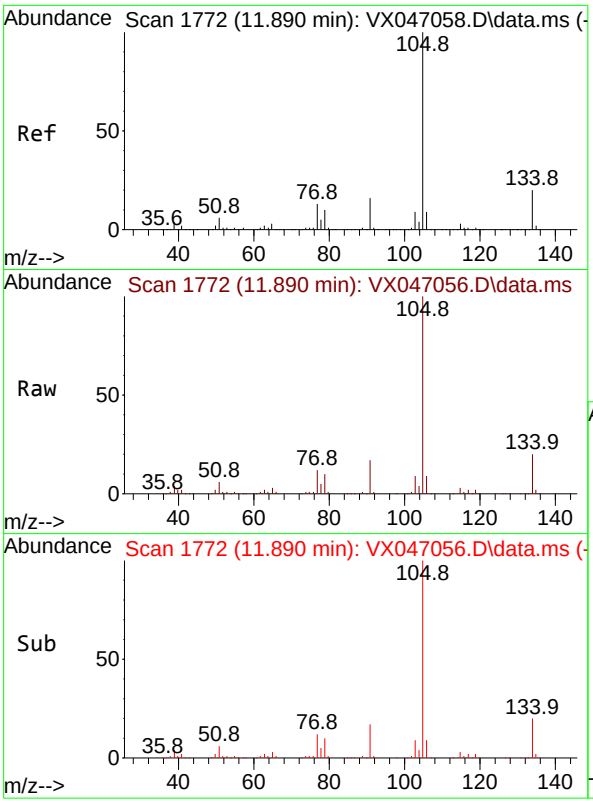


#84
1,2,4-Trimethylbenzene
Concen: 5.451 ug/l
RT: 11.749 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:105 Resp: 87289

Ion	Ratio	Lower	Upper
105	100		
120	43.1	22.0	66.0



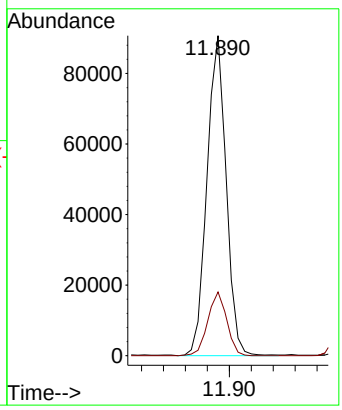


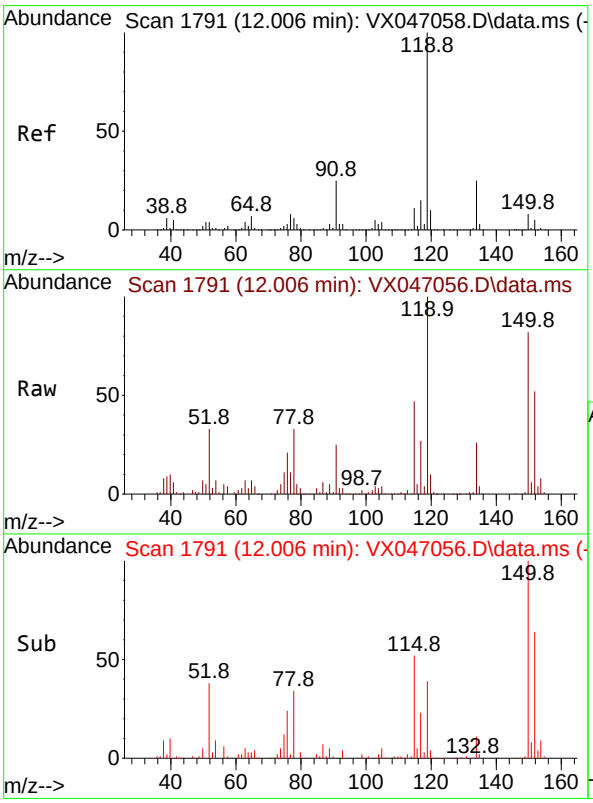
#85
sec-Butylbenzene
Concen: 5.477 ug/l
RT: 11.890 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:105 Resp: 110255

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7

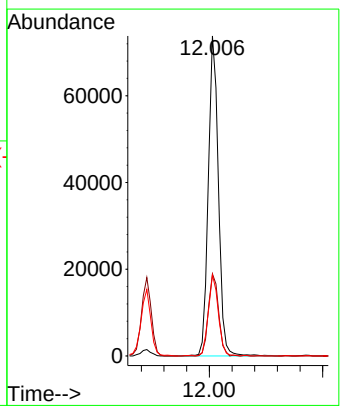


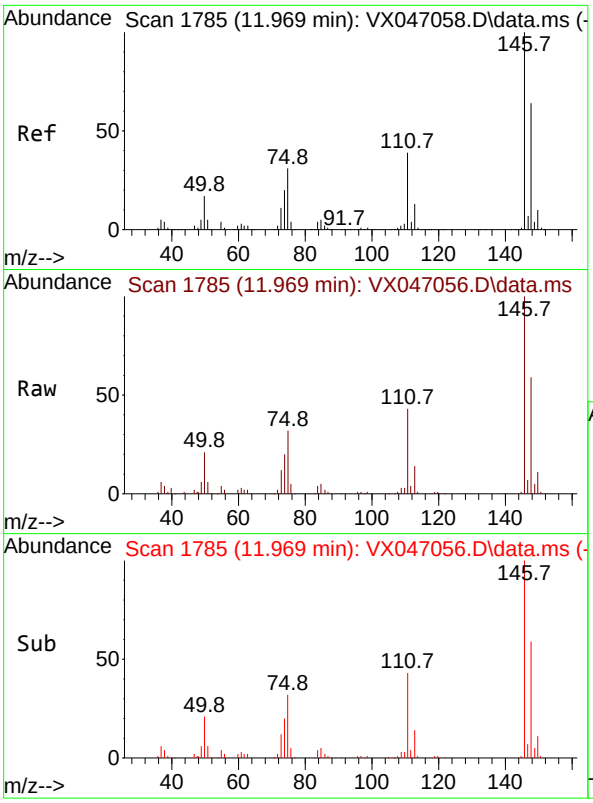


#86
p-Isopropyltoluene
Concen: 5.457 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:119 Resp: 91112

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.8	38.4
91	25.1	12.4	37.4



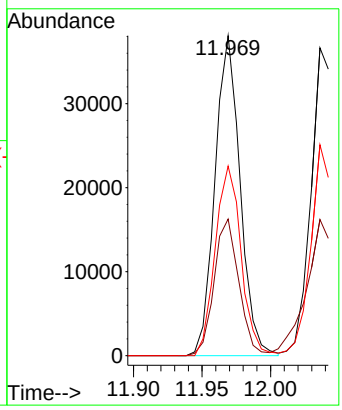


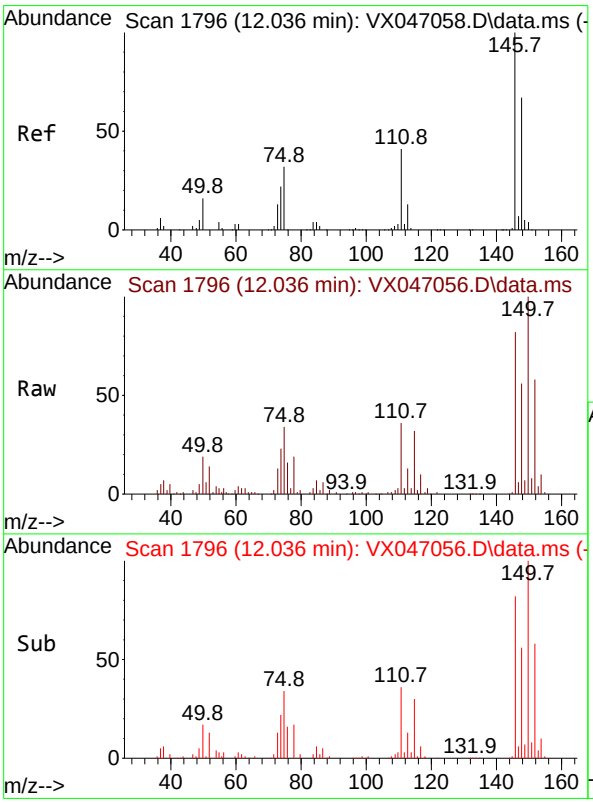
#87
1,3-Dichlorobenzene
Concen: 5.473 ug/l
RT: 11.969 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 48466

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.0	63.0
148	61.3	32.0	96.0

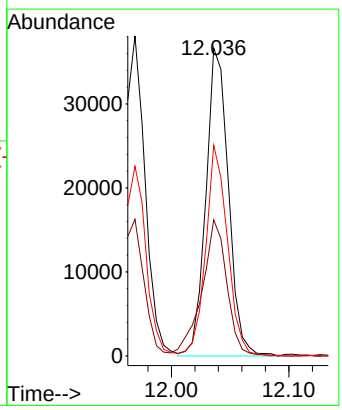


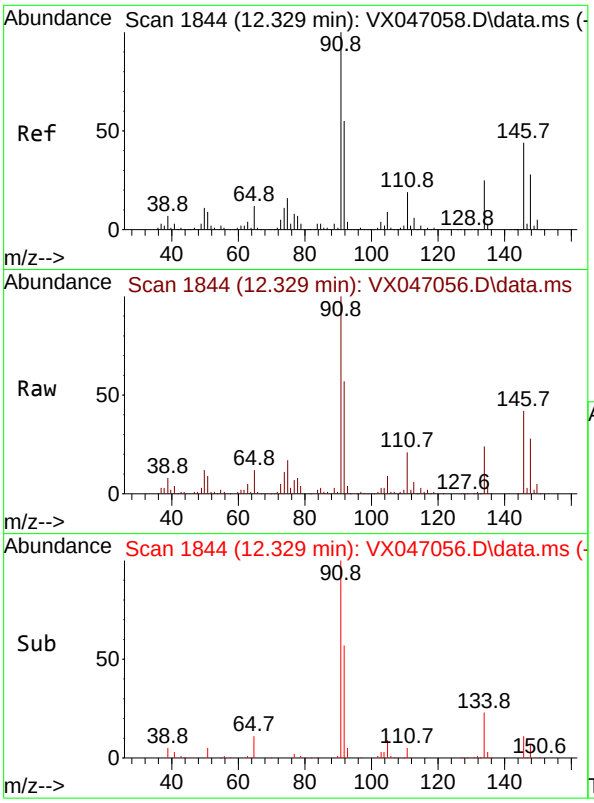


#88
1,4-Dichlorobenzene
Concen: 5.441 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:146 Resp: 48817

Ion	Ratio	Lower	Upper
146	100		
111	49.0	20.6	61.9
148	66.3	33.0	98.9



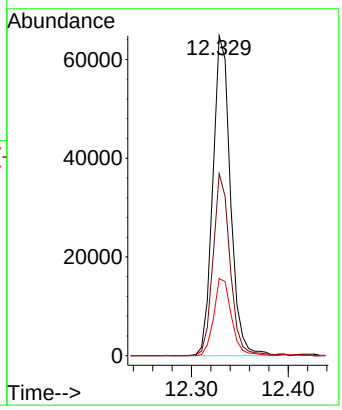


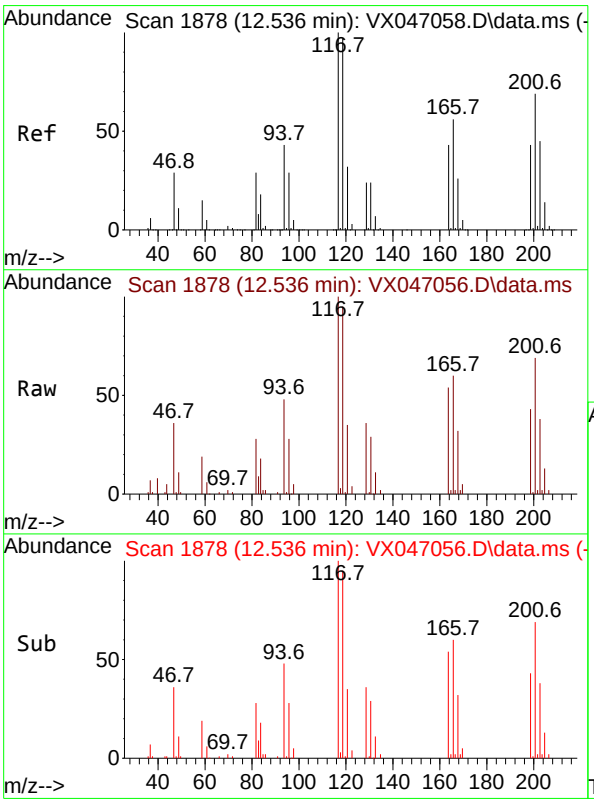
#89
n-Butylbenzene
Concen: 5.219 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion: 91 Resp: 81710

Ion	Ratio	Lower	Upper
91	100		
92	55.4	27.5	82.5
134	24.3	12.8	38.3

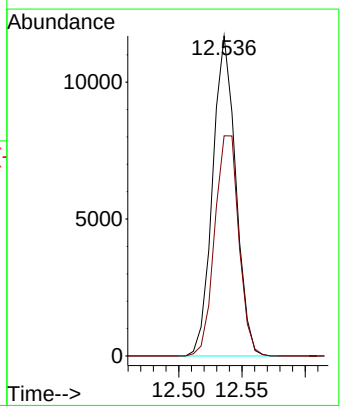


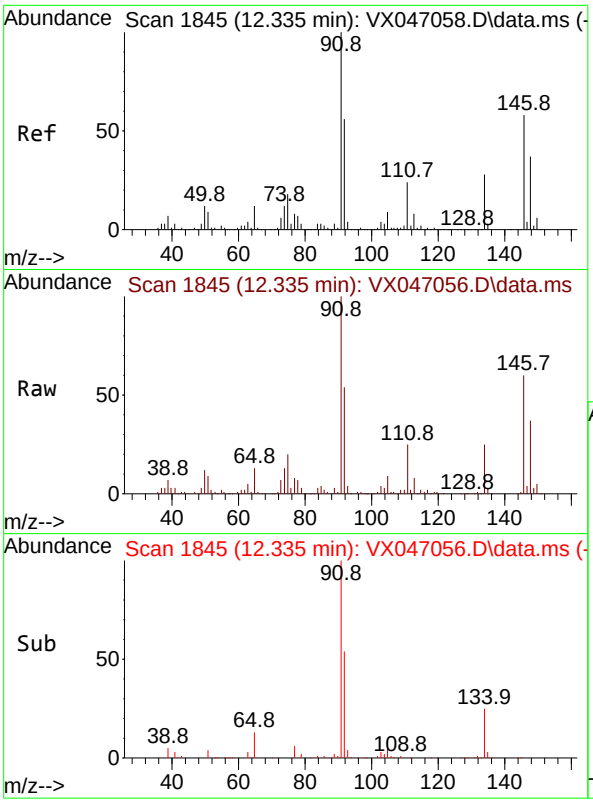


#90
Hexachloroethane
Concen: 4.953 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:117 Resp: 14794

Ion	Ratio	Lower	Upper
117	100		
201	72.2	34.8	104.5



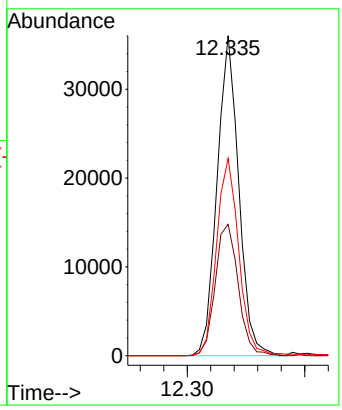


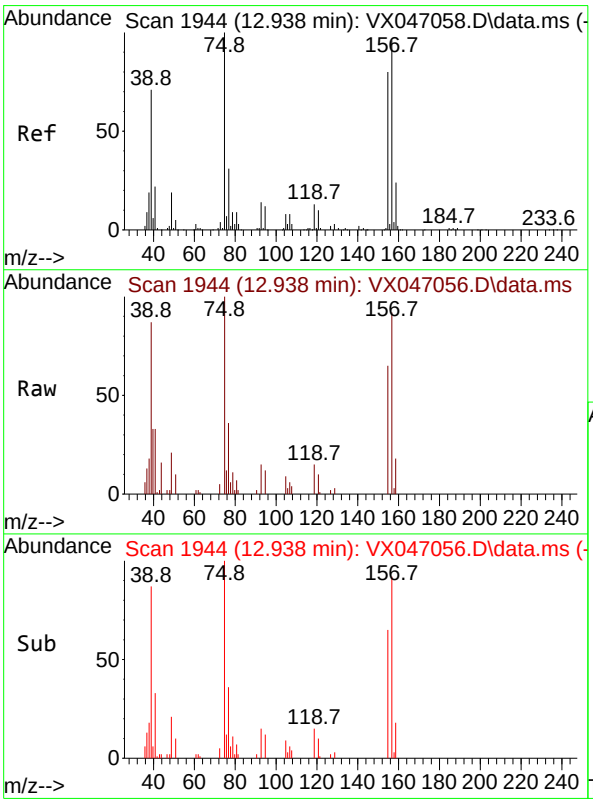
#91
1,2-Dichlorobenzene
Concen: 5.450 ug/l
RT: 12.335 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:146 Resp: 46129

Ion	Ratio	Lower	Upper
146	100		
111	43.7	21.6	64.6
148	63.8	31.9	95.7

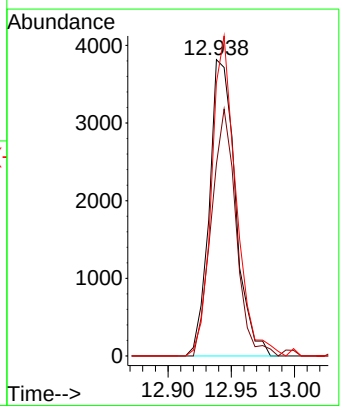


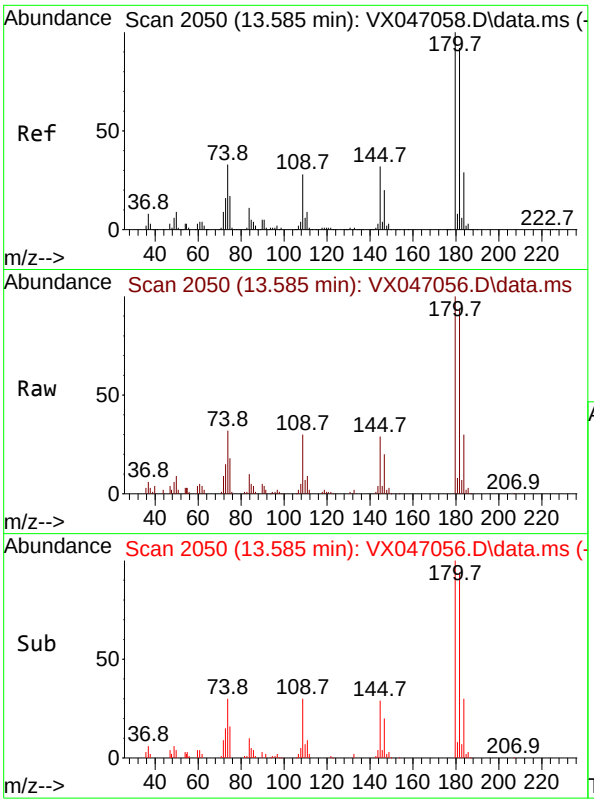


#92
1,2-Dibromo-3-Chloropropane
Concen: 5.148 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion: 75 Resp: 5485

Ion	Ratio	Lower	Upper
75	100		
155	78.4	41.3	124.1
157	100.8	52.8	158.3



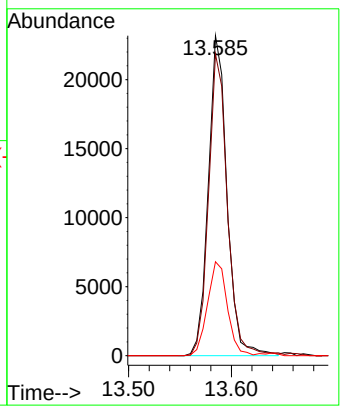


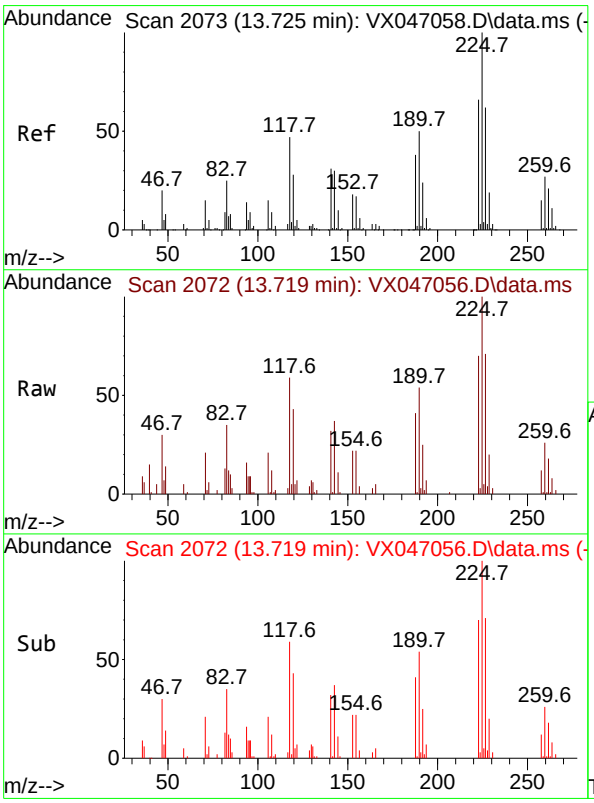
#93
1,2,4-Trichlorobenzene
Concen: 5.239 ug/l
RT: 13.585 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:180 Resp: 29296

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	31.2	16.4	49.1

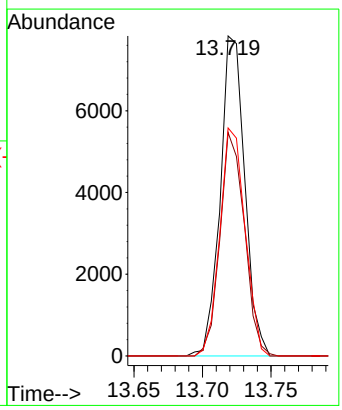


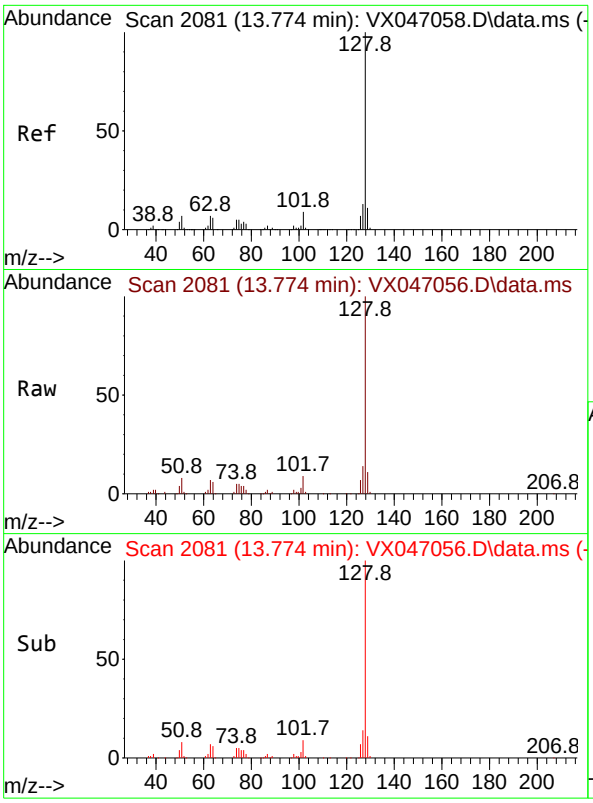


#94
Hexachlorobutadiene
Concen: 5.122 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:225 Resp: 9742

Ion	Ratio	Lower	Upper
225	100		
223	69.6	31.6	95.0
227	73.4	32.9	98.6



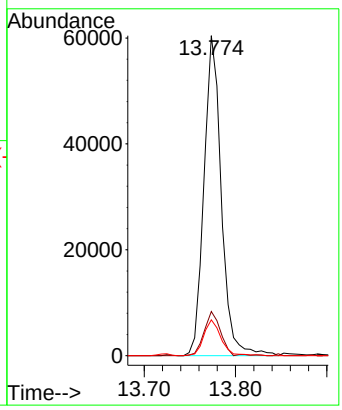


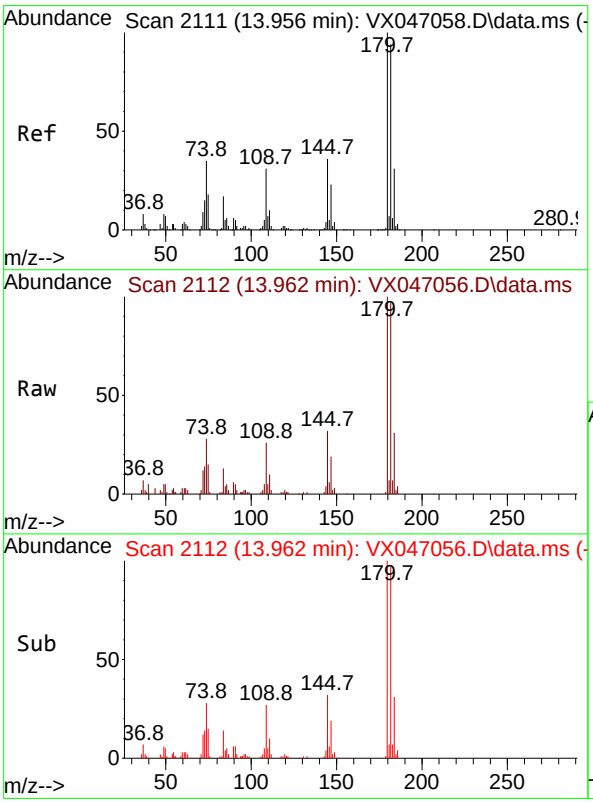
#95
Naphthalene
Concen: 4.854 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Tgt Ion:128 Resp: 79568

Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	11.1	8.6	13.0

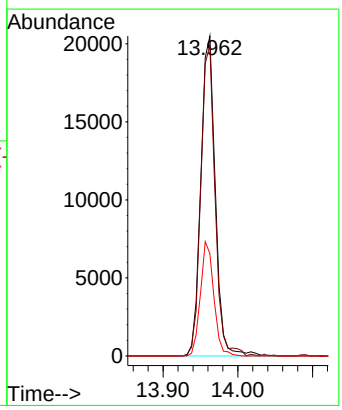




#96
1,2,3-Trichlorobenzene
Concen: 5.120 ug/l
RT: 13.962 min Scan# 2112
Delta R.T. 0.006 min
Lab File: VX047056.D
Acq: 21 Jul 2025 10:08

Tgt Ion:180 Resp: 27584

Ion	Ratio	Lower	Upper
180	100		
182	95.2	46.9	140.6
145	33.1	17.3	52.0



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	56166	20.350	ug/l		95
42) 1,2-Dichloroethane	6.098	62	121515	20.808	ug/l		98
43) Isopropyl Acetate	6.342	43	171186	20.802	ug/l		99
44) Trichloroethene	7.128	130	85446	20.099	ug/l		98
45) 1,2-Dichloropropane	7.433	63	85547	20.603	ug/l		94
46) Dibromomethane	7.586	93	59949	20.588	ug/l		99
47) Bromodichloromethane	7.824	83	126091	20.345	ug/l		99
48) Methyl methacrylate	7.695	41	86386	19.269	ug/l		97
49) 1,4-Dioxane	7.665	88	21524	422.133	ug/l		97
51) 4-Methyl-2-Pentanone	8.573	43	511307	104.532	ug/l		99
52) Toluene	8.720	92	214955	21.087	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	118872	20.311	ug/l		96
54) cis-1,3-Dichloropropene	8.366	75	134587	21.011	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	81137	21.224	ug/l		98
56) Ethyl methacrylate	9.116	69	121053	21.389	ug/l		98
57) 1,3-Dichloropropane	9.311	76	139031	20.925	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	294878	93.631	ug/l		100
59) 2-Hexanone	9.427	43	352298	109.015	ug/l		97
60) Dibromochloromethane	9.518	129	93165	20.779	ug/l		100
61) 1,2-Dibromoethane	9.610	107	82035	20.522	ug/l		99
64) Tetrachloroethene	9.274	164	74177	21.147	ug/l		95
65) Chlorobenzene	10.079	112	238428	20.917	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.158	131	78682	20.502	ug/l		98
67) Ethyl Benzene	10.195	91	412412	20.693	ug/l		99
68) m/p-Xylenes	10.299	106	309353	41.478	ug/l		98
69) o-Xylene	10.640	106	149592	21.083	ug/l		100
70) Styrene	10.652	104	259267	21.310	ug/l		100
71) Bromoform	10.799	173	58699	20.135	ug/l	#	100
73) Isopropylbenzene	10.963	105	399077	21.021	ug/l		100
74) N-amyl acetate	10.841	43	155675	20.558	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	113741	20.975	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	119868	26.913	ug/l		84
77) Bromobenzene	11.195	156	95957	21.073	ug/l		97
78) n-propylbenzene	11.298	91	476196	20.991	ug/l		100
79) 2-Chlorotoluene	11.359	91	278615	20.545	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	330824	21.093	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	31878	18.440	ug/l		94
82) 4-Chlorotoluene	11.451	91	331629	20.951	ug/l		99
83) tert-Butylbenzene	11.713	119	323819	20.571	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	328672	21.010	ug/l		100
85) sec-Butylbenzene	11.890	105	410930	20.892	ug/l		99
86) p-Isopropyltoluene	12.006	119	343591	21.065	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	179867	20.789	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	183173	20.897	ug/l		98
89) n-Butylbenzene	12.329	91	319940	20.916	ug/l		98
90) Hexachloroethane	12.536	117	58057	19.896	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	169749	20.528	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	21427	20.585	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	111525	20.413	ug/l		99
94) Hexachlorobutadiene	13.719	225	39186	21.090	ug/l		96
95) Naphthalene	13.774	128	329630	20.581	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	107542	20.432	ug/l		98

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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

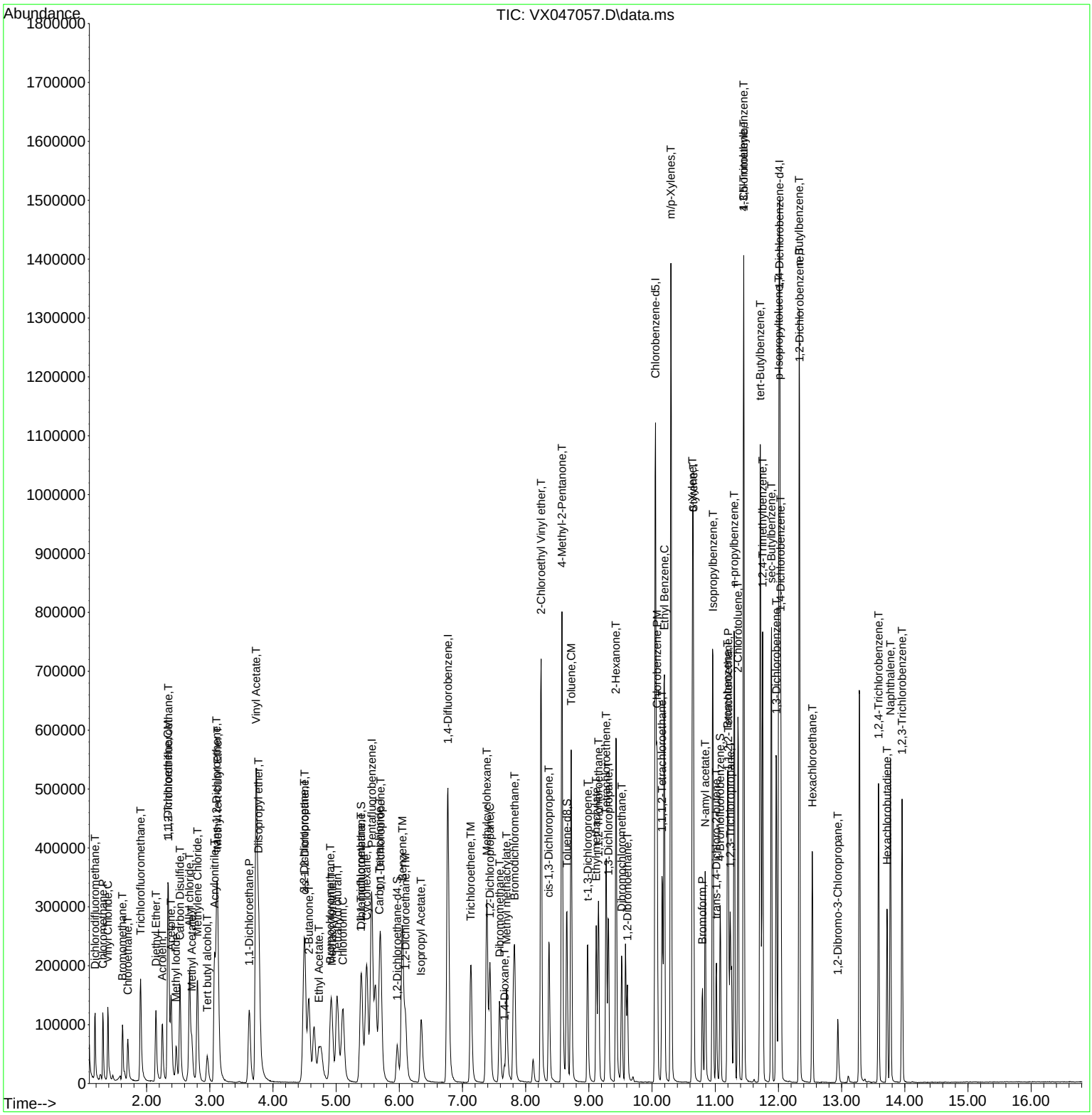
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

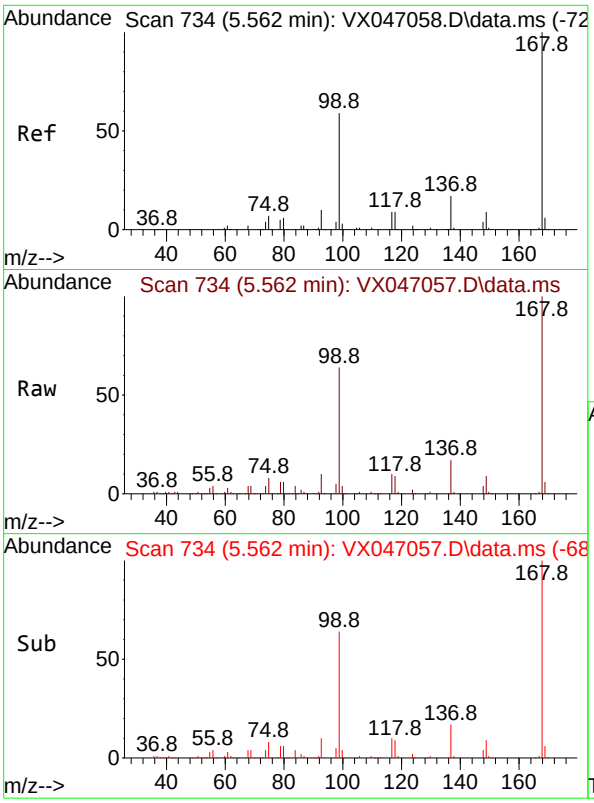
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

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



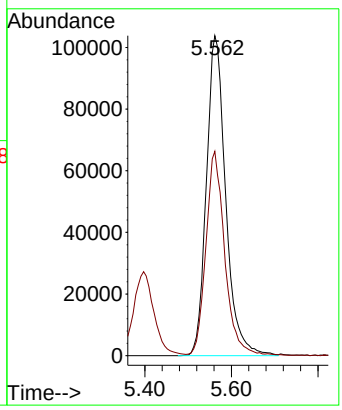


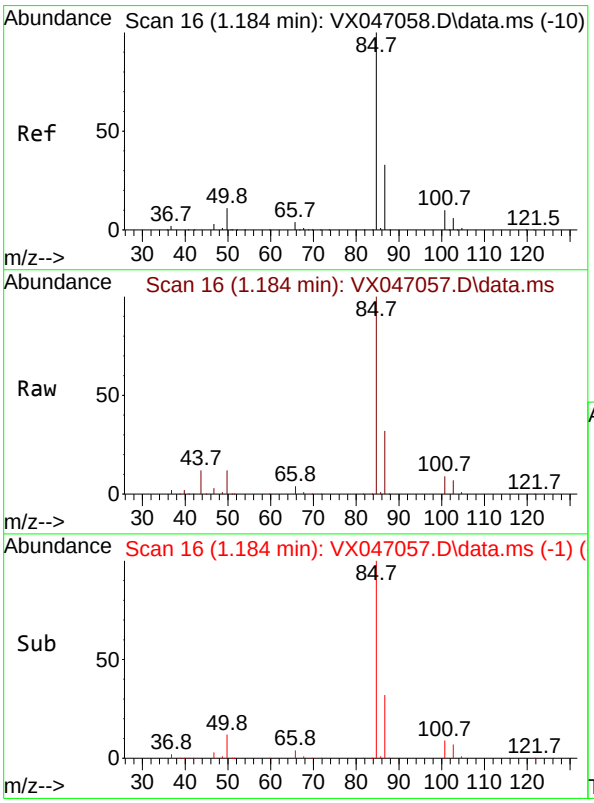
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:168 Resp: 320913

Ion	Ratio	Lower	Upper
168	100		
99	63.5	48.0	72.0

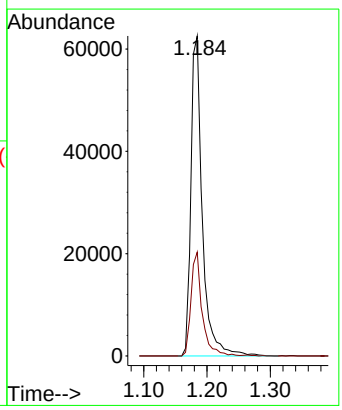


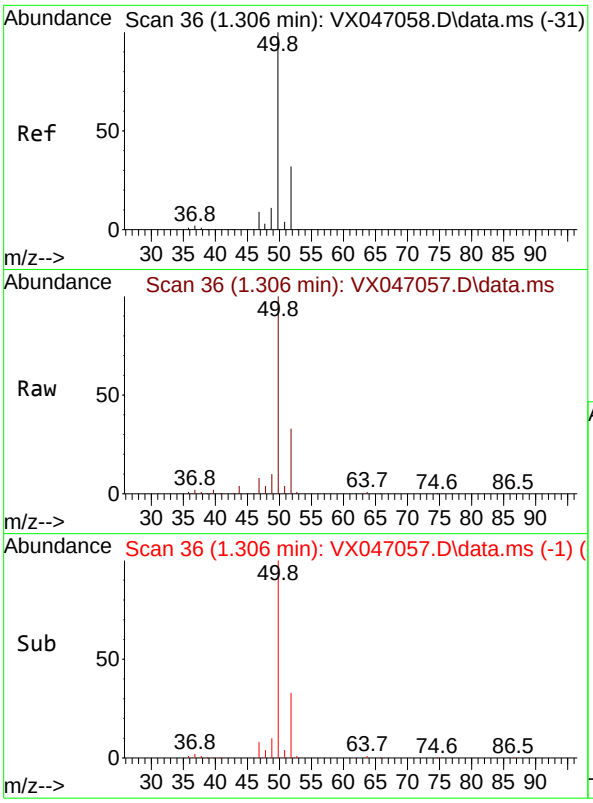


#2
Dichlorodifluoromethane
Concen: 18.376 ug/l
RT: 1.184 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 85 Resp: 78327

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.6	49.8



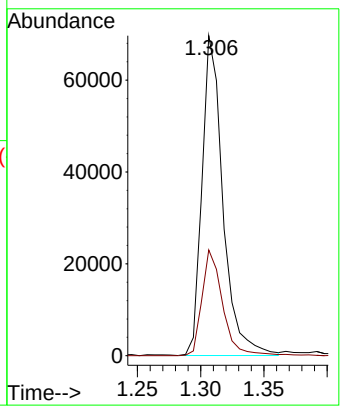


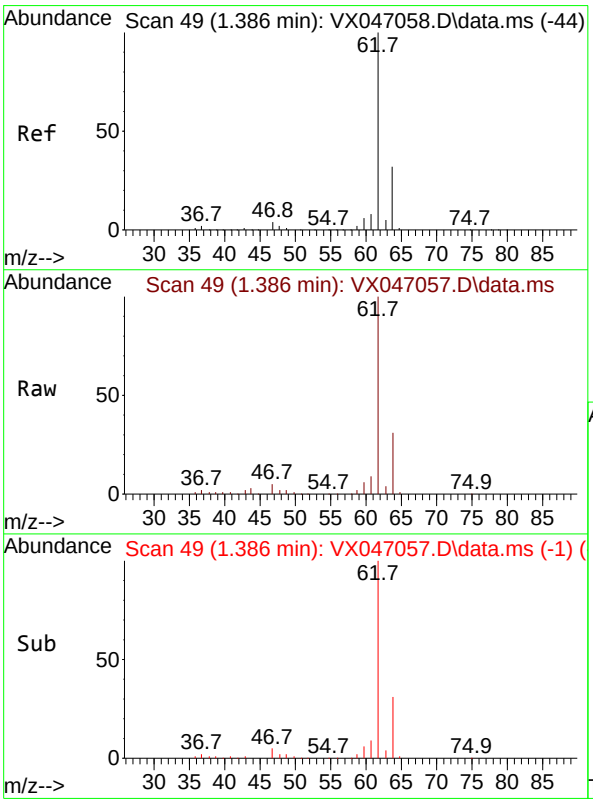
#3
Chloromethane
Concen: 19.046 ug/l
RT: 1.306 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 50 Resp: 80305

Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.4	38.2

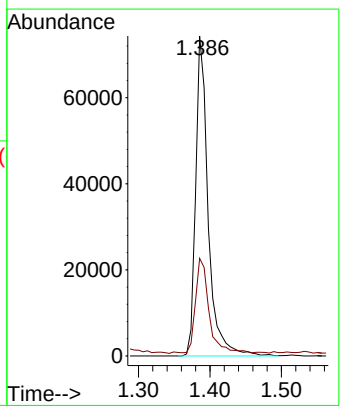


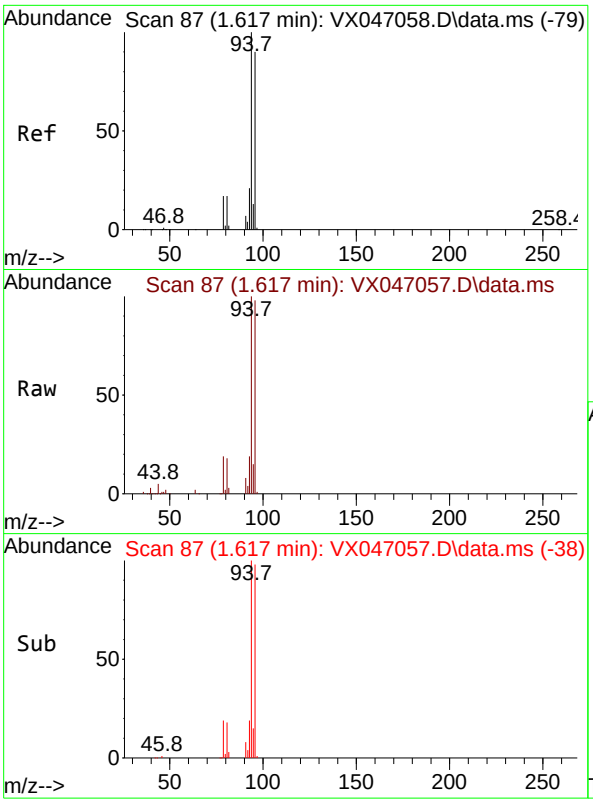


#4
Vinyl Chloride
Concen: 19.832 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 62 Resp: 89887

Ion	Ratio	Lower	Upper
62	100		
64	29.5	25.2	37.8



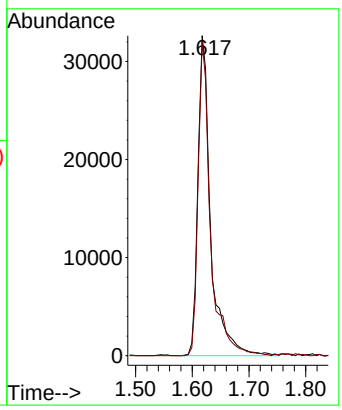


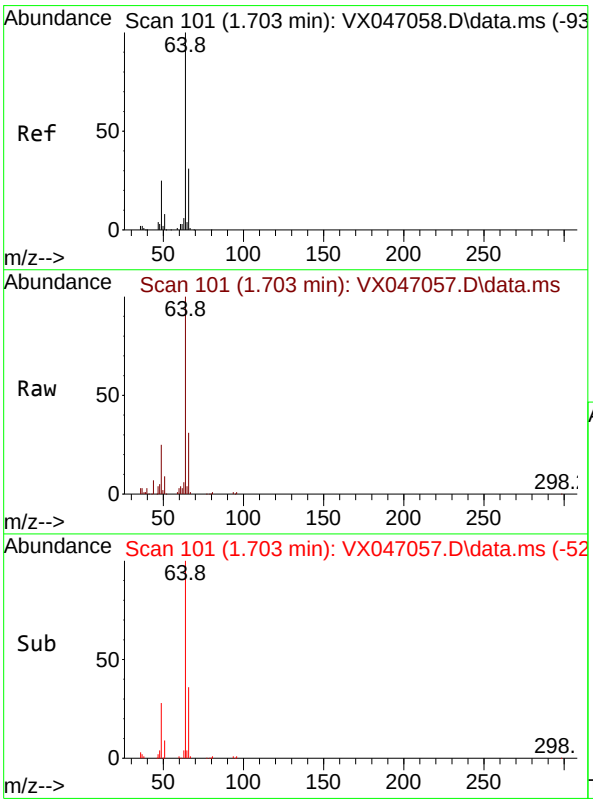
#5
Bromomethane
Concen: 20.832 ug/l
RT: 1.617 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 94 Resp: 51290

Ion	Ratio	Lower	Upper
94	100		
96	98.1	72.3	108.5

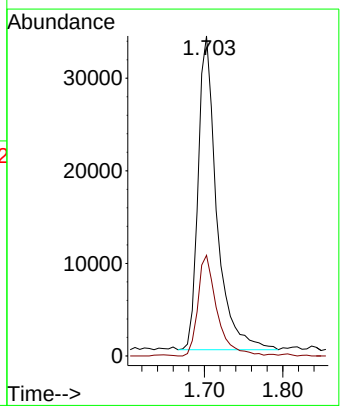


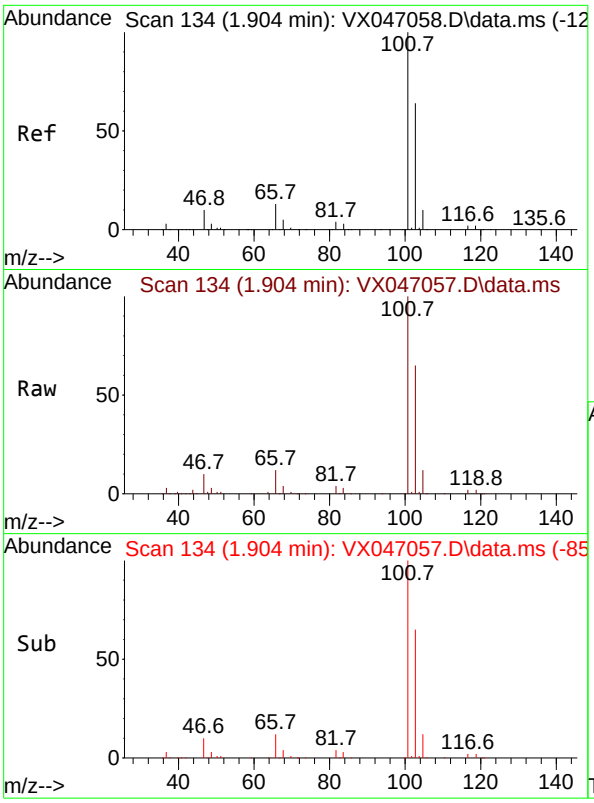


#6
Chloroethane
Concen: 18.797 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 64 Resp: 55955

Ion	Ratio	Lower	Upper
64	100		
66	32.1	25.0	37.6



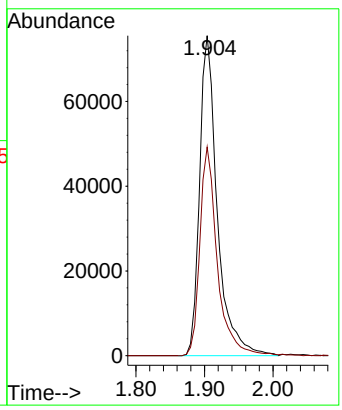


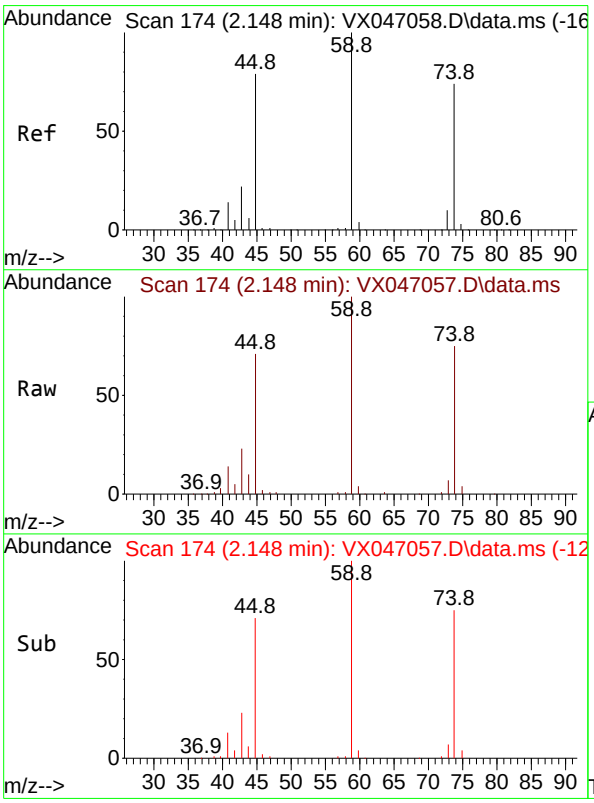
#7
Trichlorofluoromethane
Concen: 20.095 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 135815

Ion	Ratio	Lower	Upper
101	100		
103	65.2	50.9	76.3

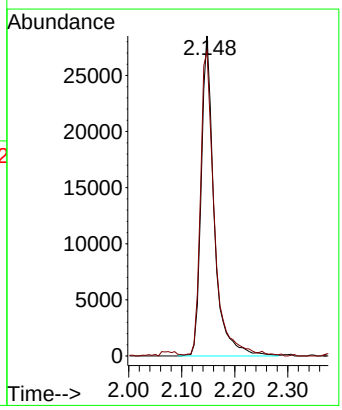


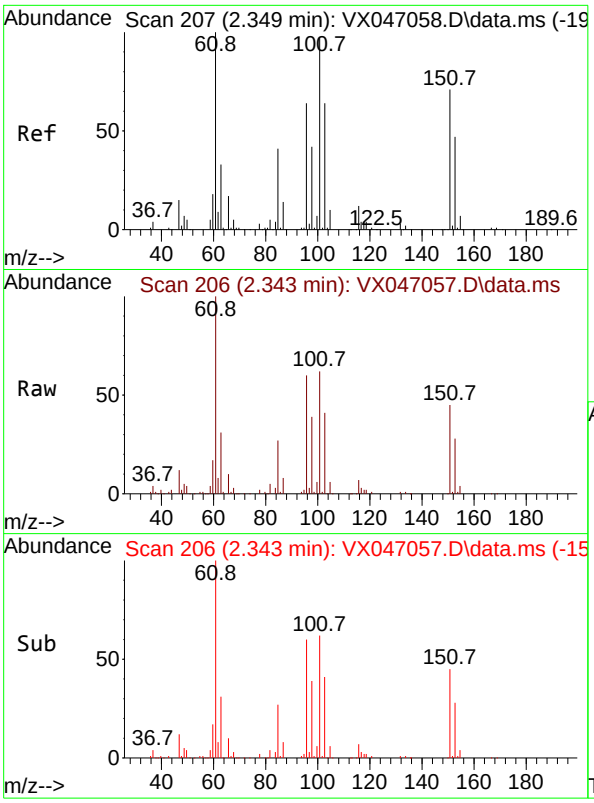


#8
Diethyl Ether
Concen: 20.277 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 74 Resp: 48319

Ion	Ratio	Lower	Upper
74	100		
45	103.6	53.0	159.0



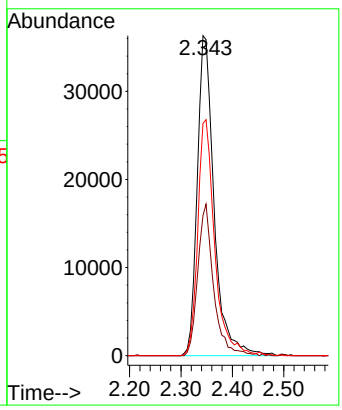


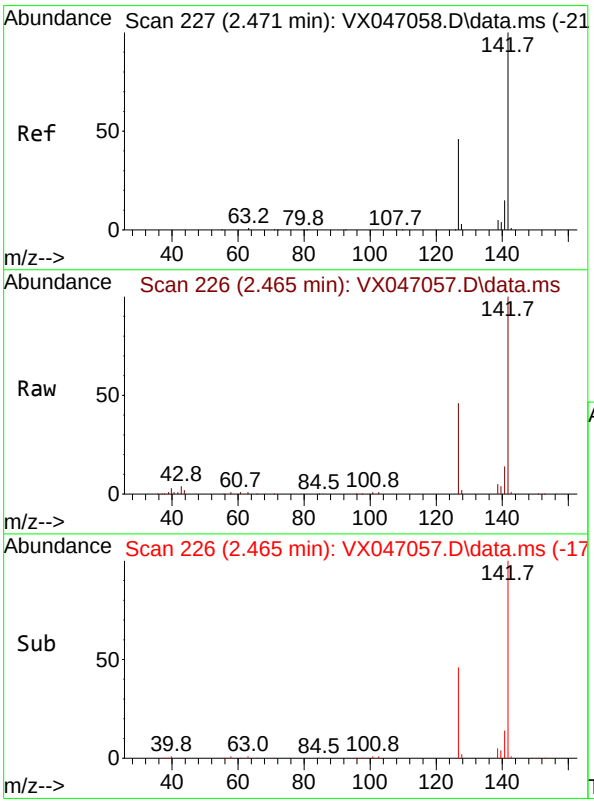
#9
1,1,2-Trichlorotrifluoroethane
Concen: 20.350 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:101 Resp: 82864

Ion	Ratio	Lower	Upper
101	100		
85	44.4	35.4	53.0
151	73.8	59.2	88.8

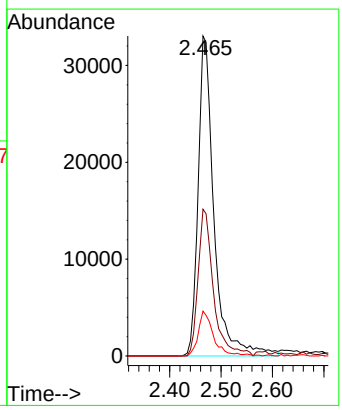


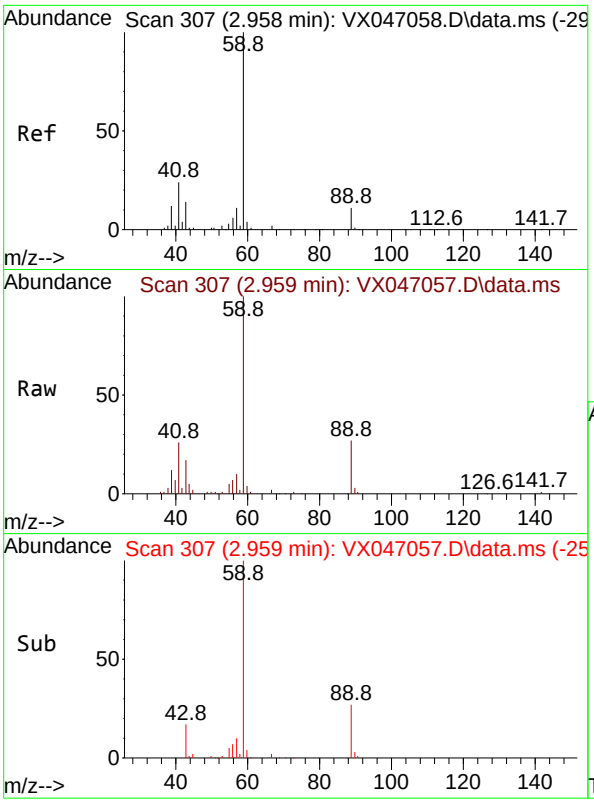


#10
Methyl Iodide
Concen: 17.073 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:142 Resp: 70850

Ion	Ratio	Lower	Upper
142	100		
127	44.3	36.6	54.8
141	13.6	10.9	16.3



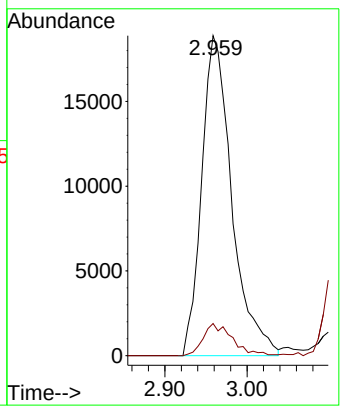


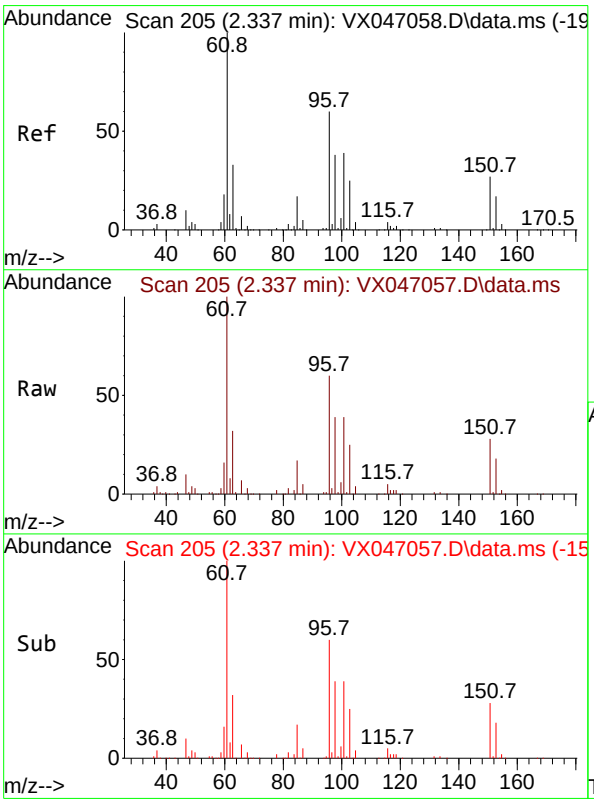
#11
Tert butyl alcohol
Concen: 96.502 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 59 Resp: 48048

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7

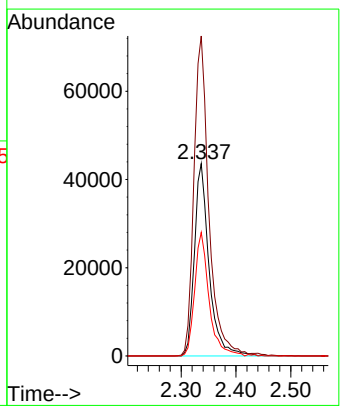


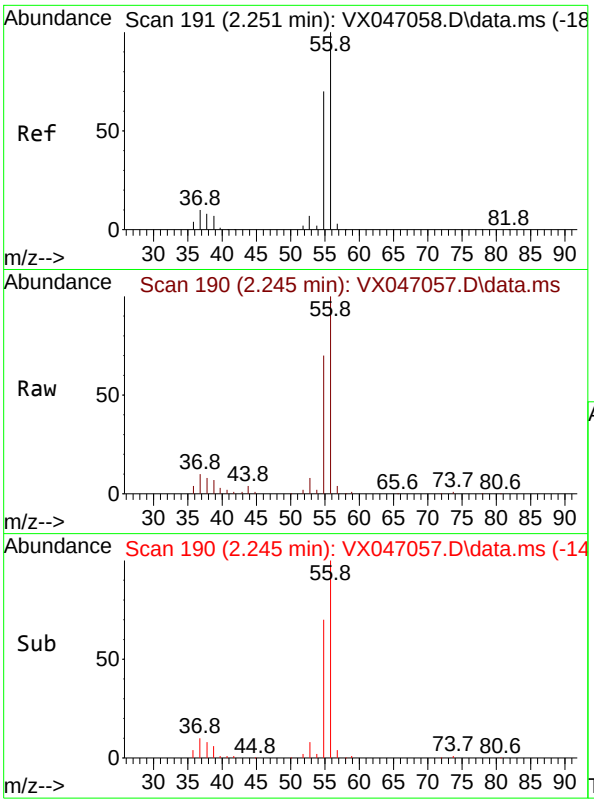


#12
1,1-Dichloroethene
Concen: 20.206 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 96 Resp: 81489

Ion	Ratio	Lower	Upper
96	100		
61	159.3	132.6	198.8
98	61.5	50.2	75.4



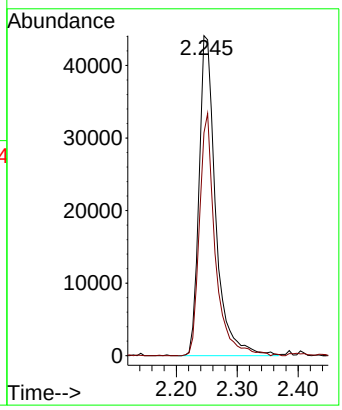


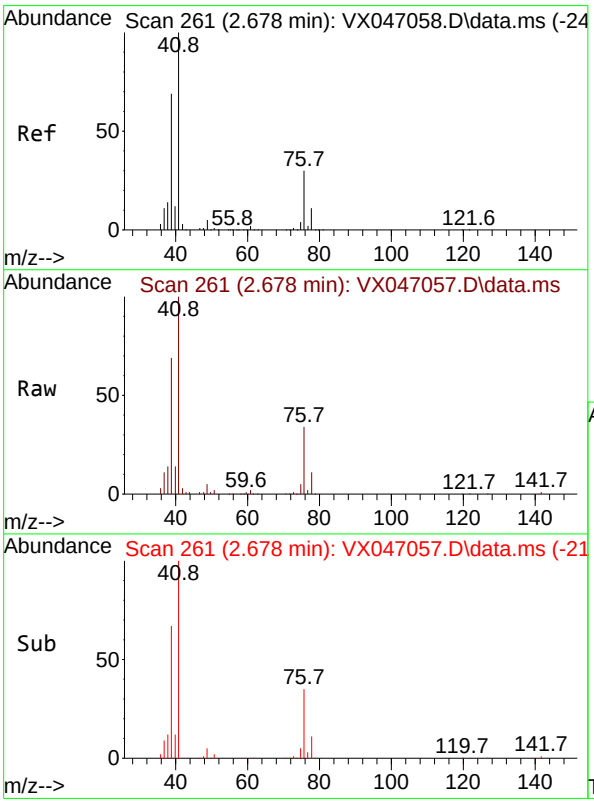
#13
Acrolein
Concen: 96.989 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 83483

Ion	Ratio	Lower	Upper
56	100		
55	71.8	55.7	83.5

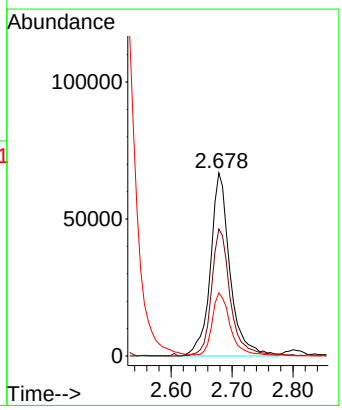


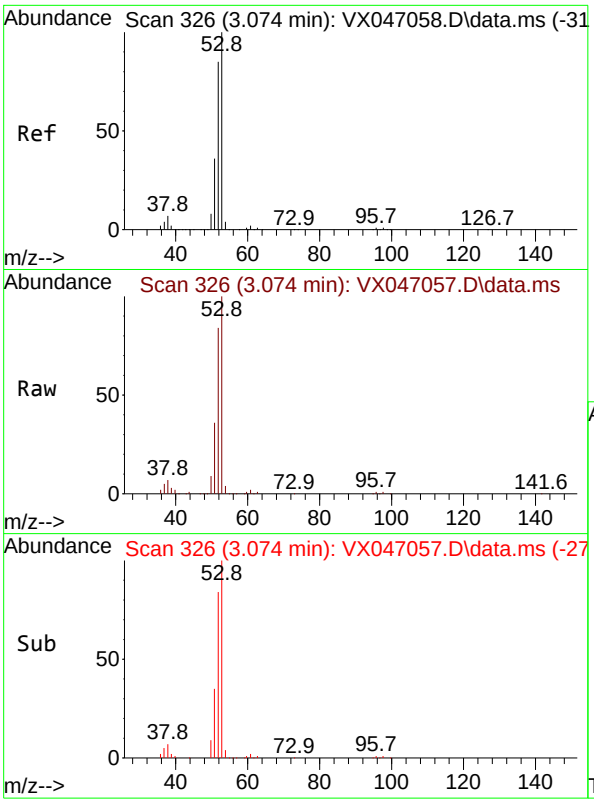


#14
Allyl chloride
Concen: 20.465 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 41 Resp: 149196

Ion	Ratio	Lower	Upper
41	100		
39	67.1	52.6	78.8
76	32.6	25.7	38.5



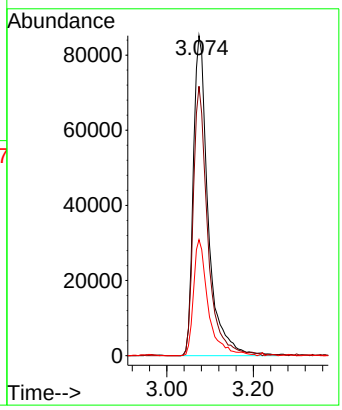


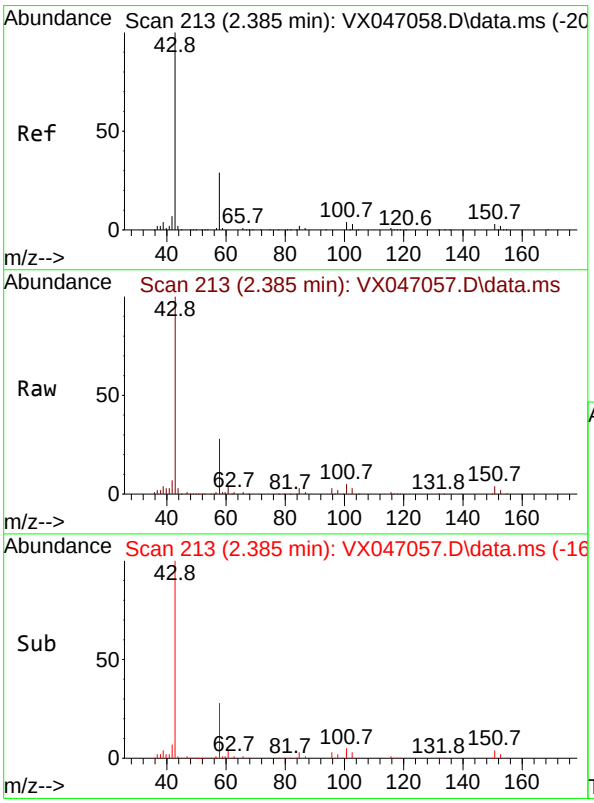
#15
Acrylonitrile
Concen: 106.603 ug/l
RT: 3.074 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 53 Resp: 203243

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	35.9	28.8	43.2

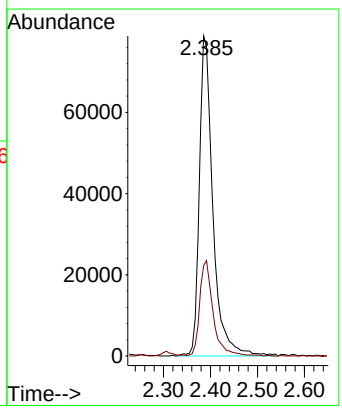


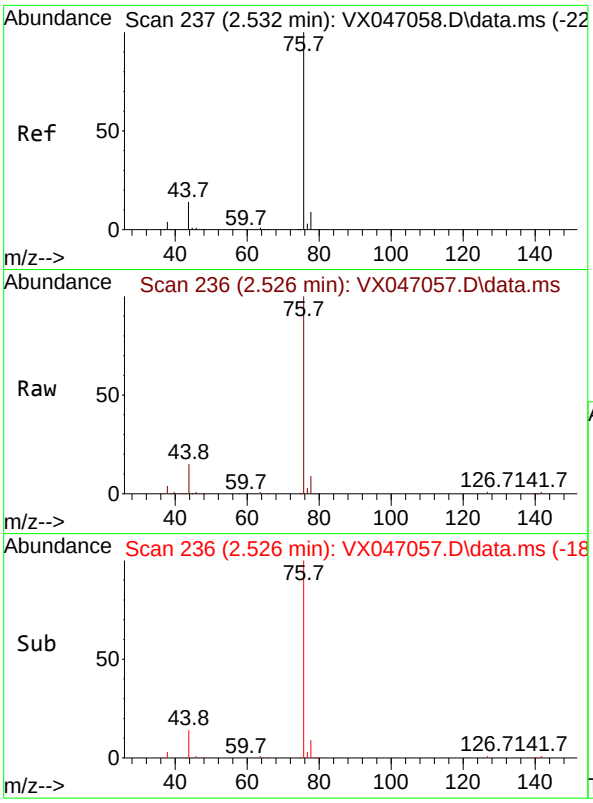


#16
Acetone
Concen: 98.619 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 43 Resp: 157932

Ion	Ratio	Lower	Upper
43	100		
58	28.3	24.0	36.0



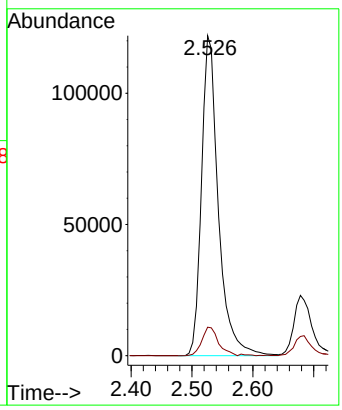


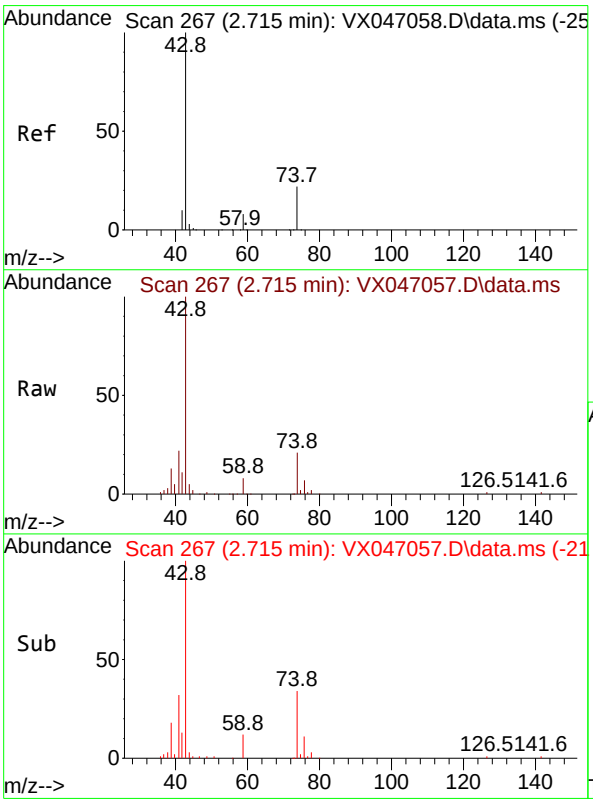
#17
Carbon Disulfide
Concen: 20.059 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 234036

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

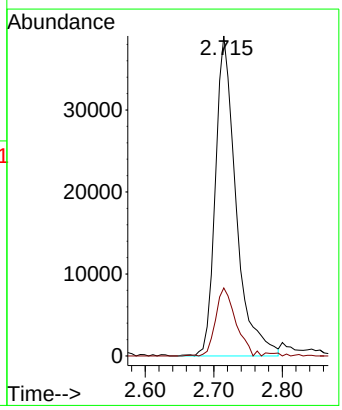


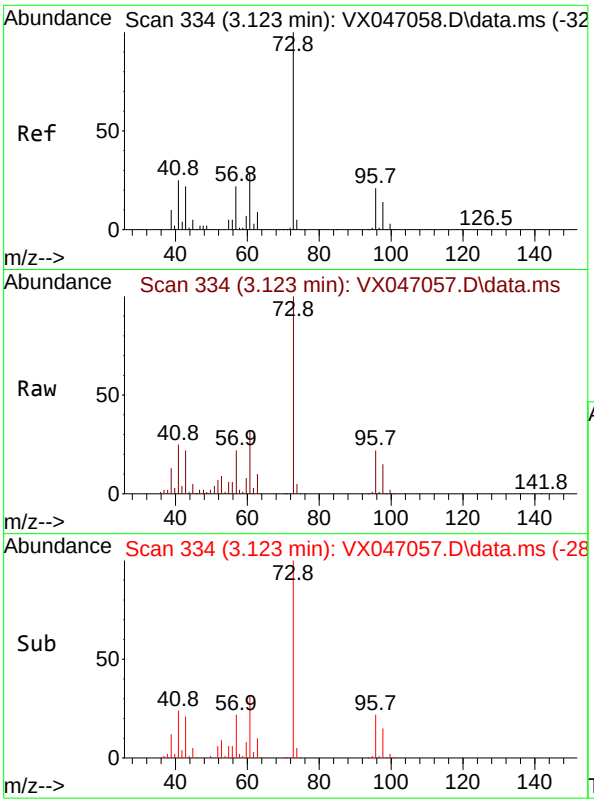


#18
Methyl Acetate
Concen: 19.180 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 43 Resp: 81624

Ion	Ratio	Lower	Upper
43	100		
74	20.8	17.7	26.5



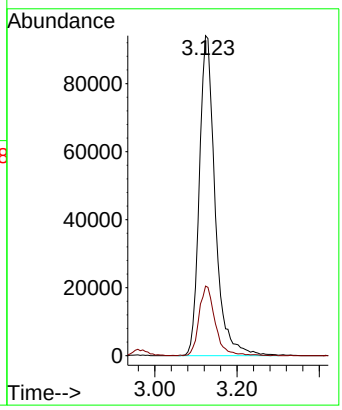


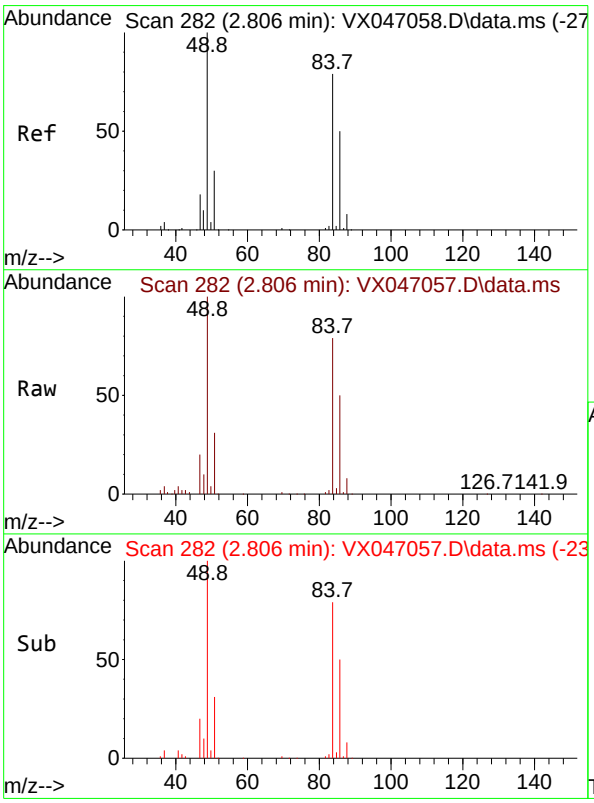
#19
Methyl tert-butyl Ether
Concen: 20.497 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 73 Resp: 251581

Ion	Ratio	Lower	Upper
73	100		
57	21.7	17.7	26.5

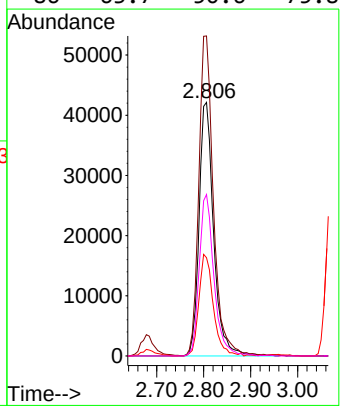


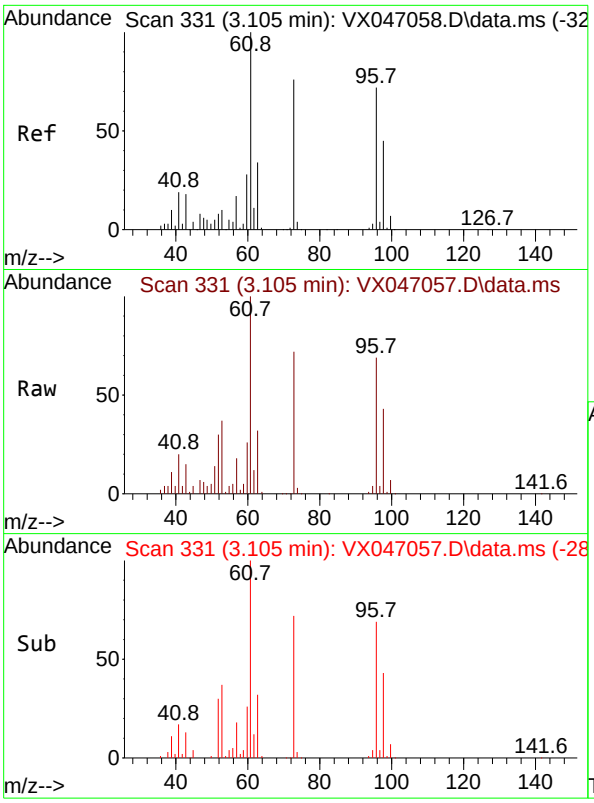


#20
Methylene Chloride
Concen: 20.621 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 84 Resp: 90849

Ion	Ratio	Lower	Upper
84	100		
49	126.0	101.6	152.4
51	38.7	30.3	45.5
86	63.7	50.6	75.8



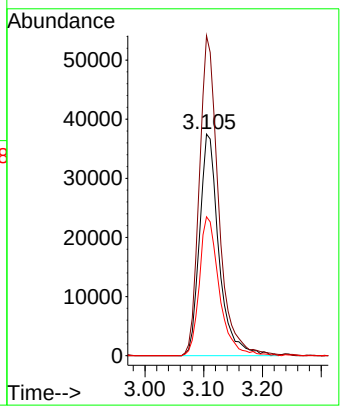


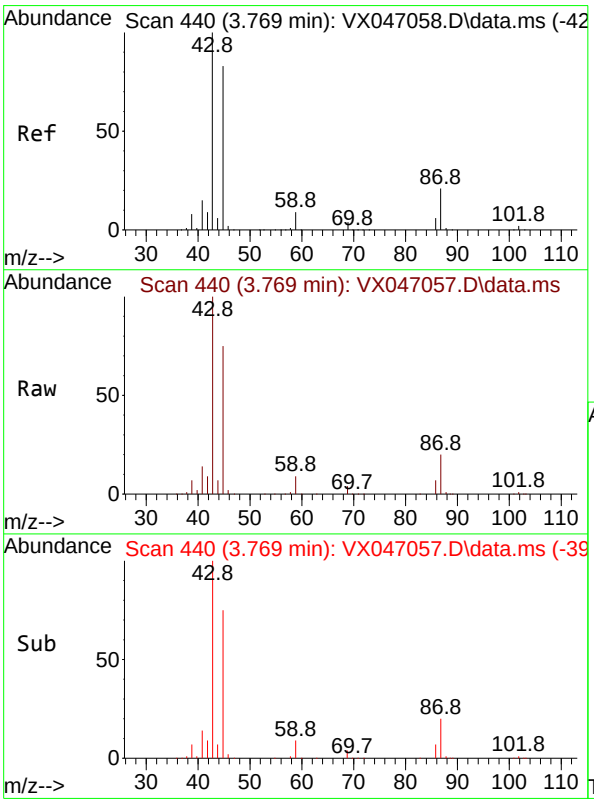
#21
trans-1,2-Dichloroethene
Concen: 20.738 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 85583

Ion	Ratio	Lower	Upper
96	100		
61	144.4	111.1	166.7
98	62.6	49.6	74.4

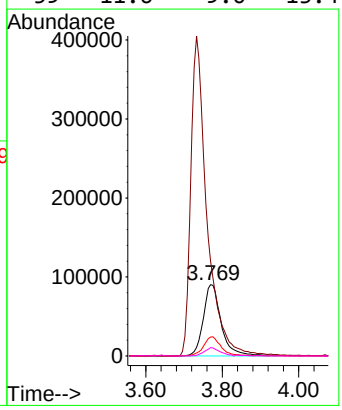


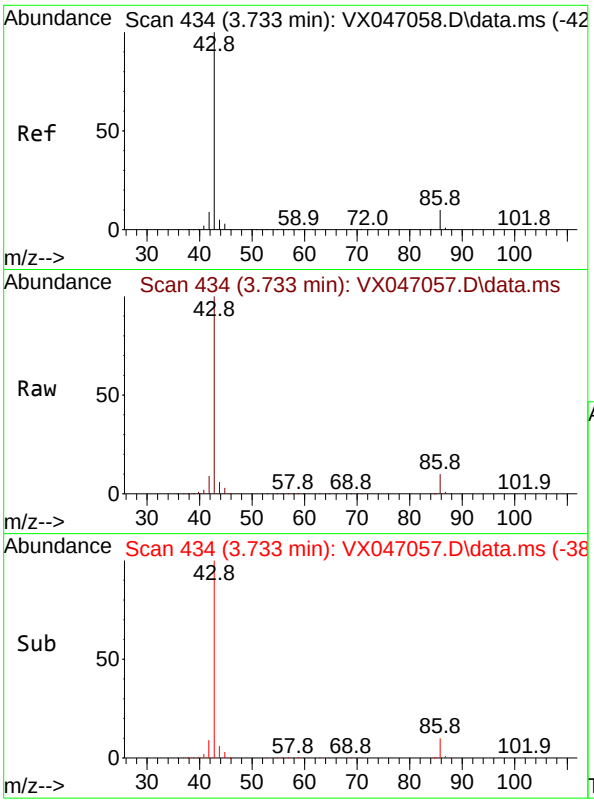


#22
Diisopropyl ether
Concen: 20.967 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 45 Resp: 293875

Ion	Ratio	Lower	Upper
45	100		
43	133.7	96.8	145.2
87	26.6	20.5	30.7
59	11.6	9.0	13.4



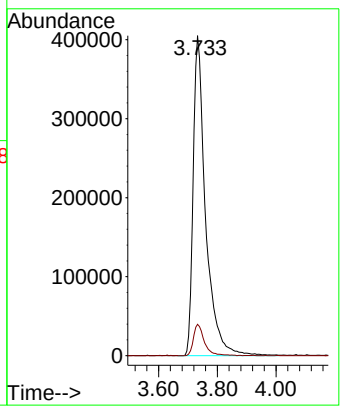


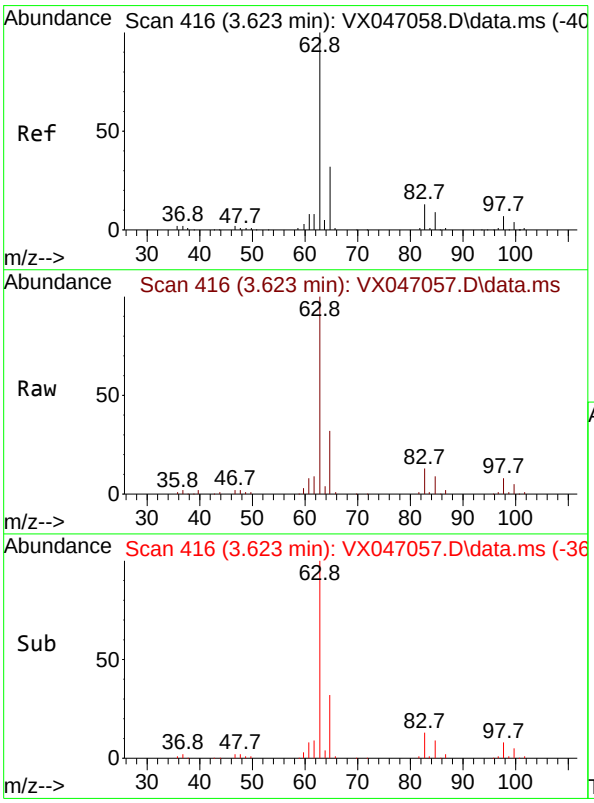
#23
Vinyl Acetate
Concen: 106.090 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 1192633

Ion	Ratio	Lower	Upper
43	100		
86	9.8	8.1	12.1

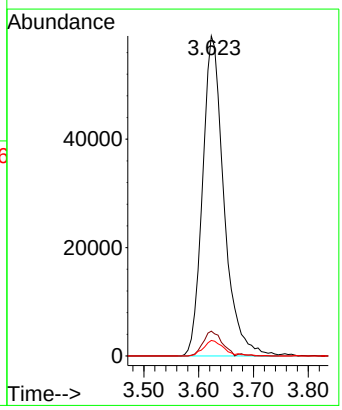


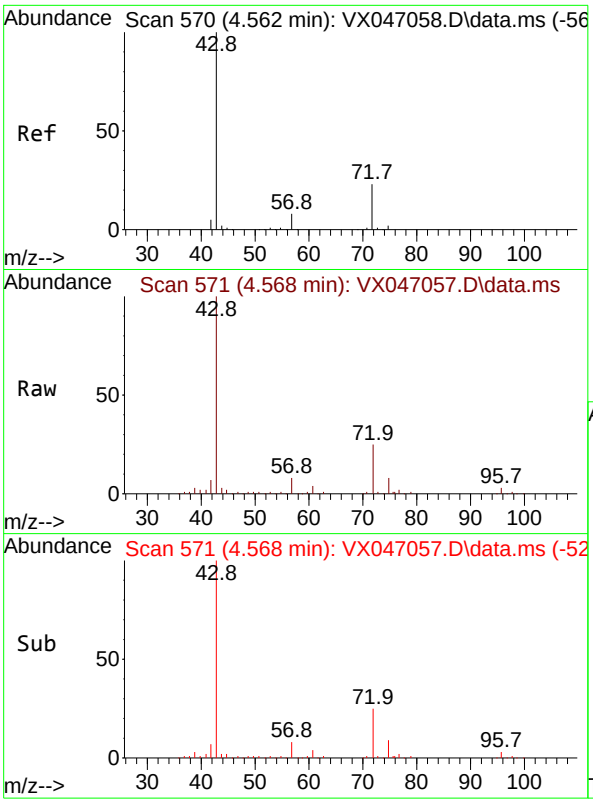


#24
1,1-Dichloroethane
Concen: 20.507 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 63 Resp: 159828

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	4.9	2.3	6.8



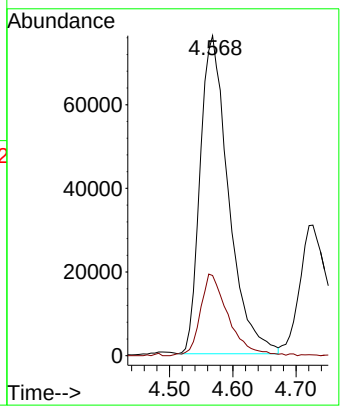


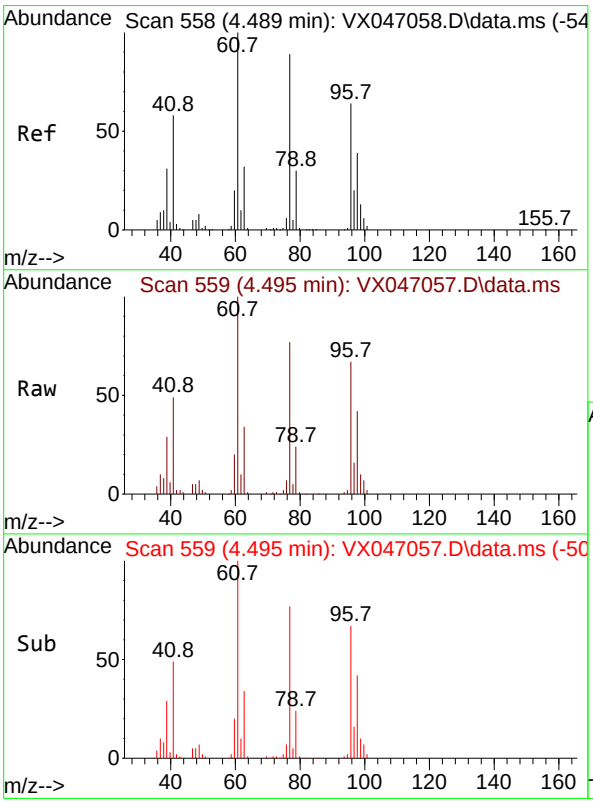
#25
2-Butanone
Concen: 102.172 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 238246

Ion	Ratio	Lower	Upper
43	100		
72	24.9	18.8	28.2

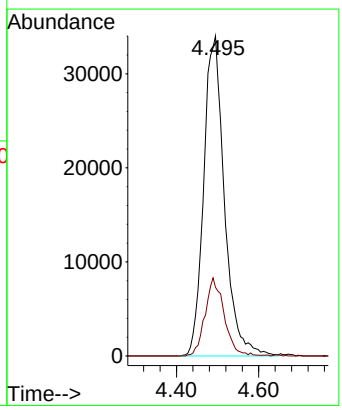


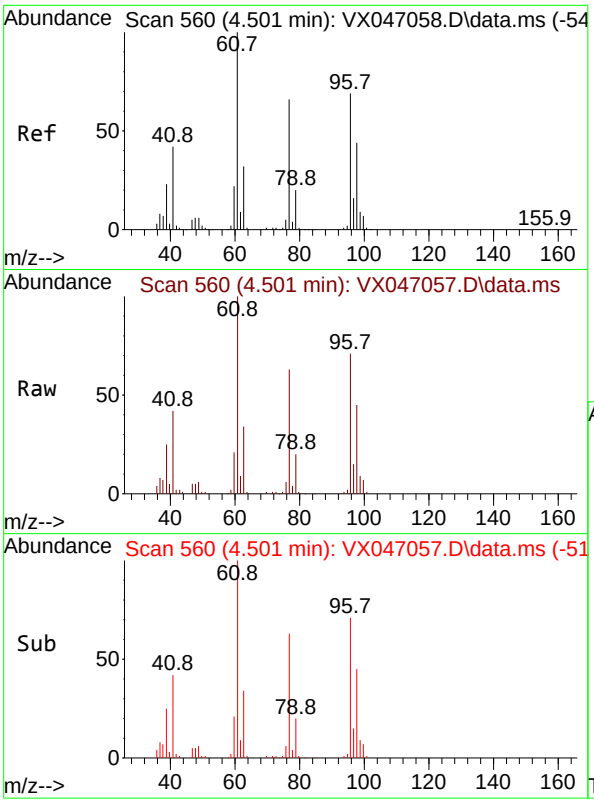


#26
2,2-Dichloropropane
Concen: 19.743 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 77 Resp: 119113

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.1



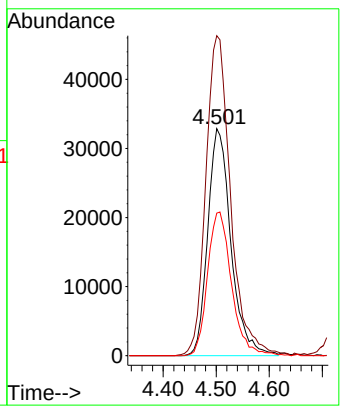


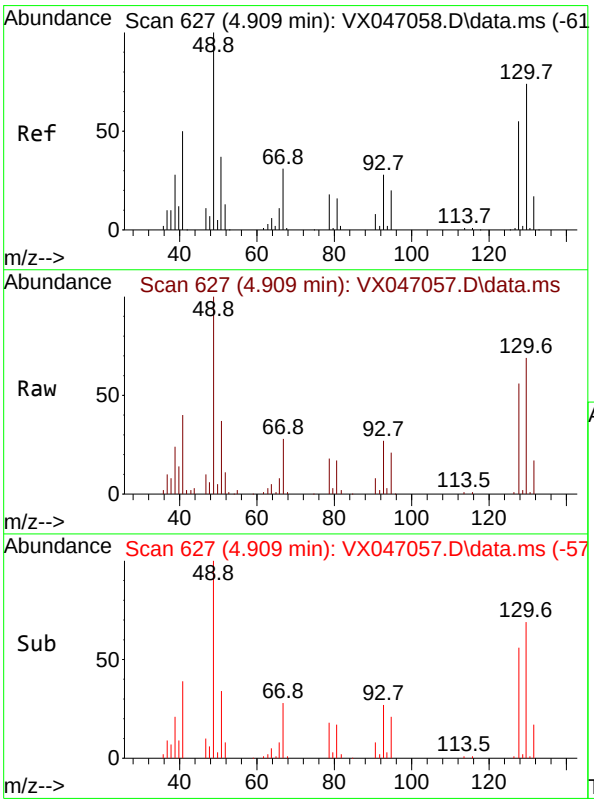
#27
cis-1,2-Dichloroethene
Concen: 20.420 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 96 Resp: 99794

Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	298.6
98	65.4	0.0	128.8

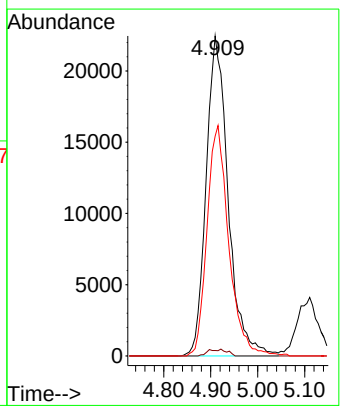


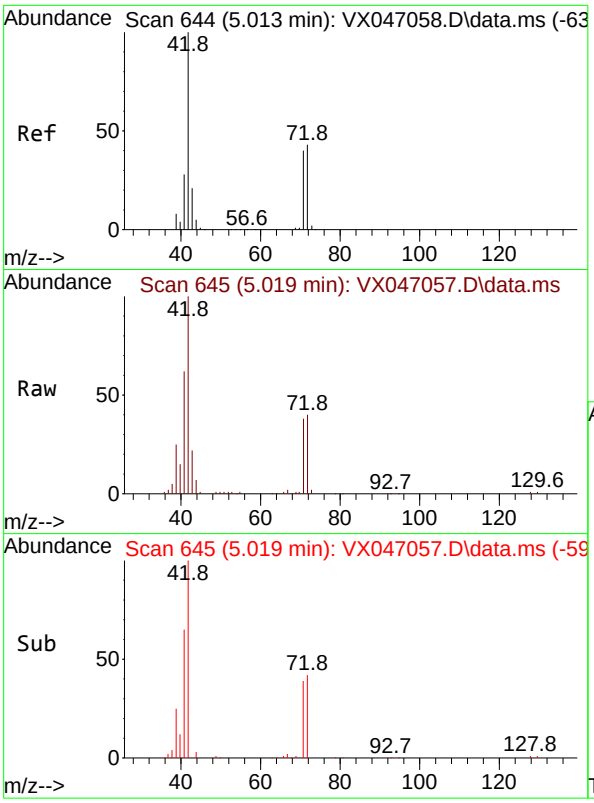


#28
Bromochloromethane
Concen: 20.334 ug/l
RT: 4.909 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 49 Resp: 72912

Ion	Ratio	Lower	Upper
49	100		
129	1.0	0.0	3.8
130	71.3	59.0	88.4



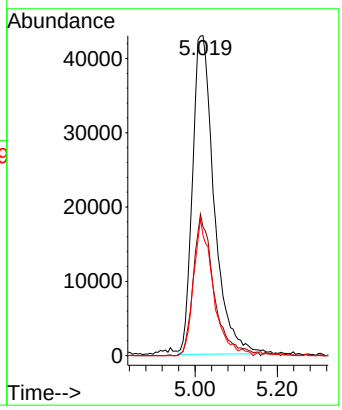


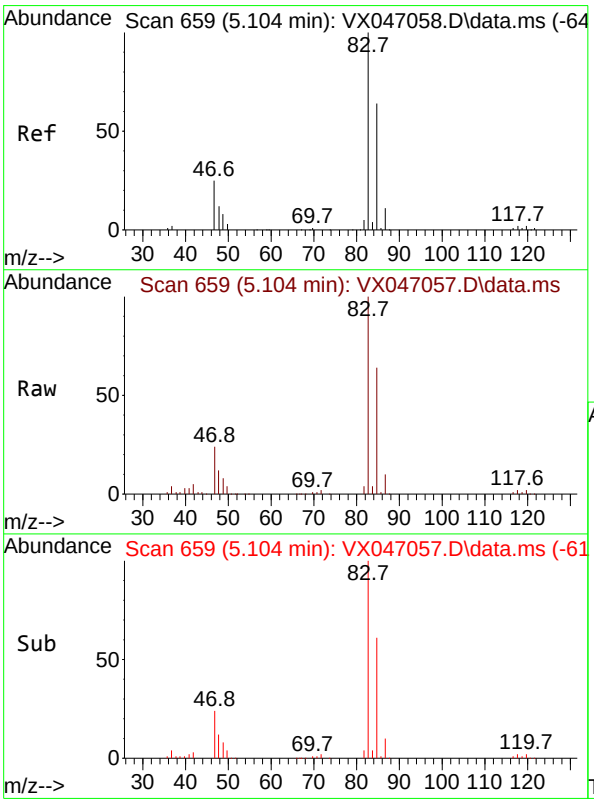
#29
Tetrahydrofuran
Concen: 104.232 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 42 Resp: 156819

Ion	Ratio	Lower	Upper
42	100		
72	42.2	33.7	50.5
71	38.6	31.0	46.4

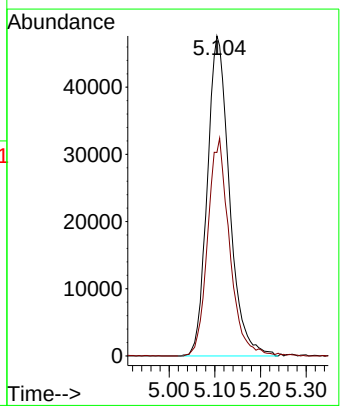


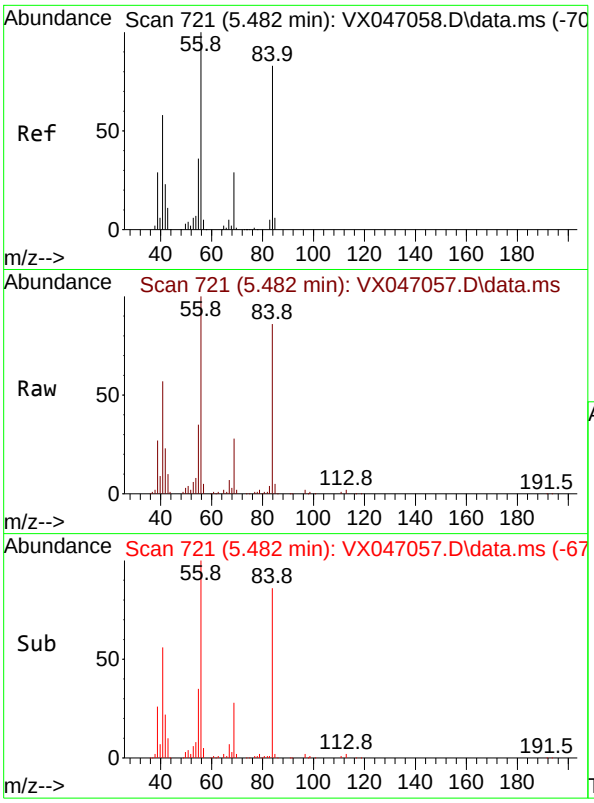


#30
Chloroform
Concen: 20.255 ug/l
RT: 5.104 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 83 Resp: 160698

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3



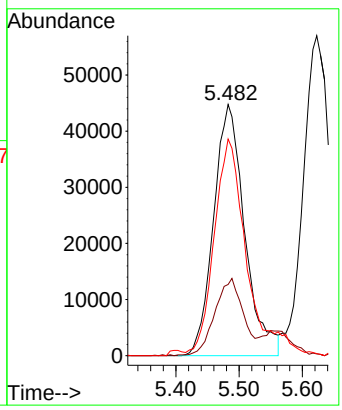


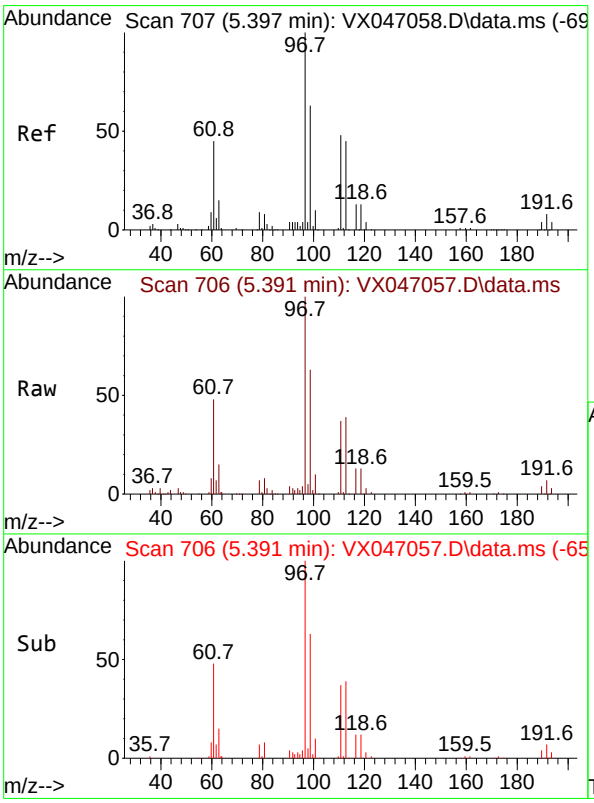
#31
Cyclohexane
Concen: 20.397 ug/l
RT: 5.482 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 56 Resp: 152430

Ion	Ratio	Lower	Upper
56	100		
69	28.0	23.3	34.9
84	84.2	66.5	99.7

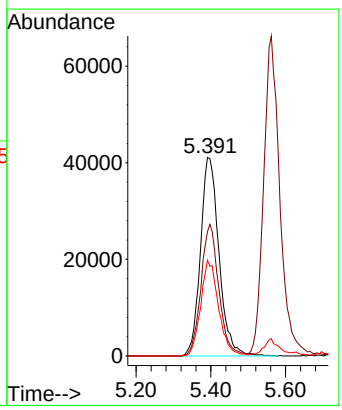


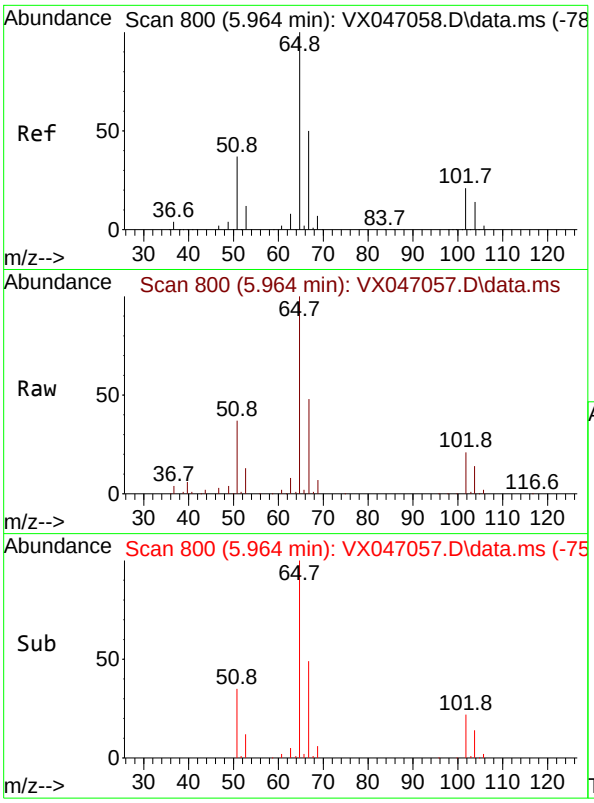


#32
1,1,1-Trichloroethane
Concen: 20.503 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 97 Resp: 141289

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.2	76.8
61	46.7	37.1	55.7



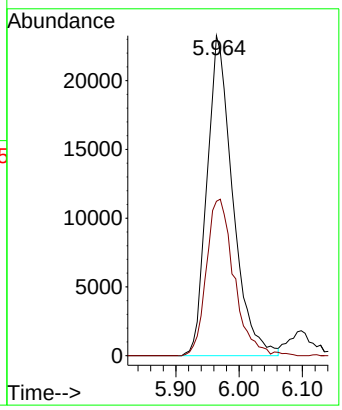


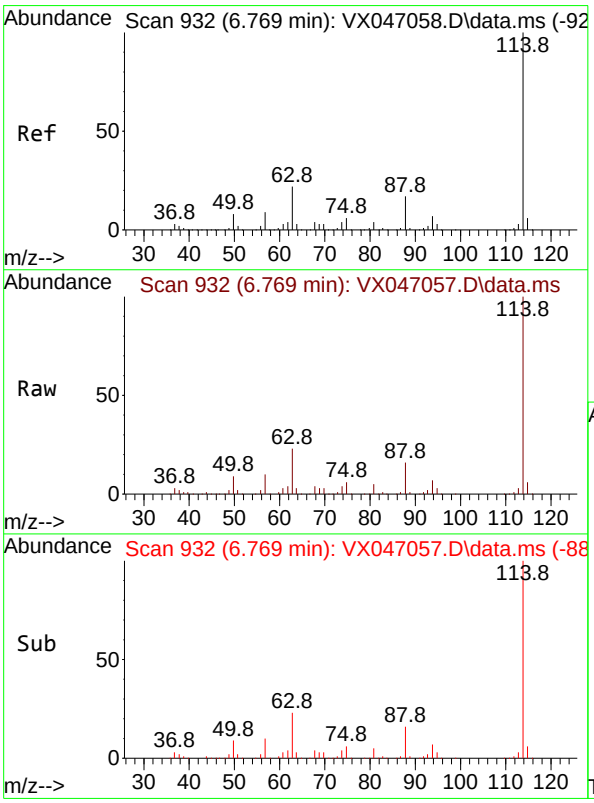
#33
1,2-Dichloroethane-d4
Concen: 16.395 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 65 Resp: 65541

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	104.8

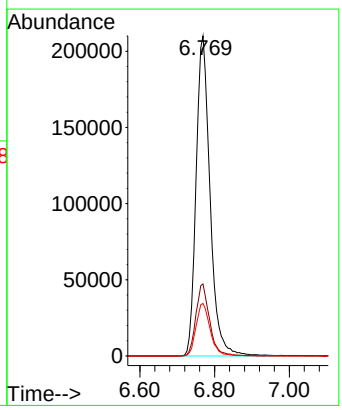


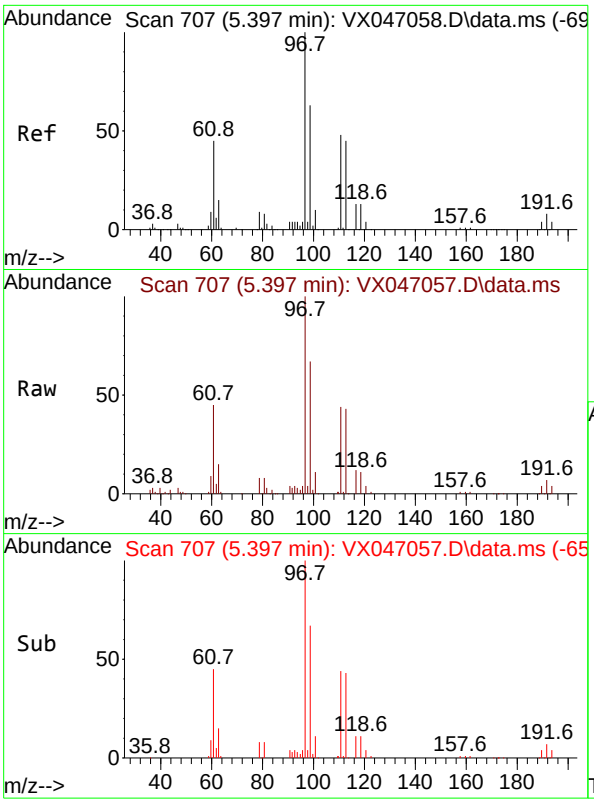


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:114 Resp: 544303

Ion	Ratio	Lower	Upper
114	100		
63	25.5	0.0	43.2
88	16.4	0.0	33.8



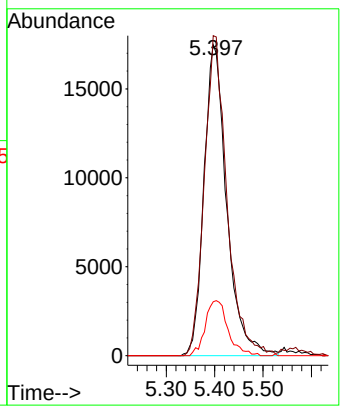


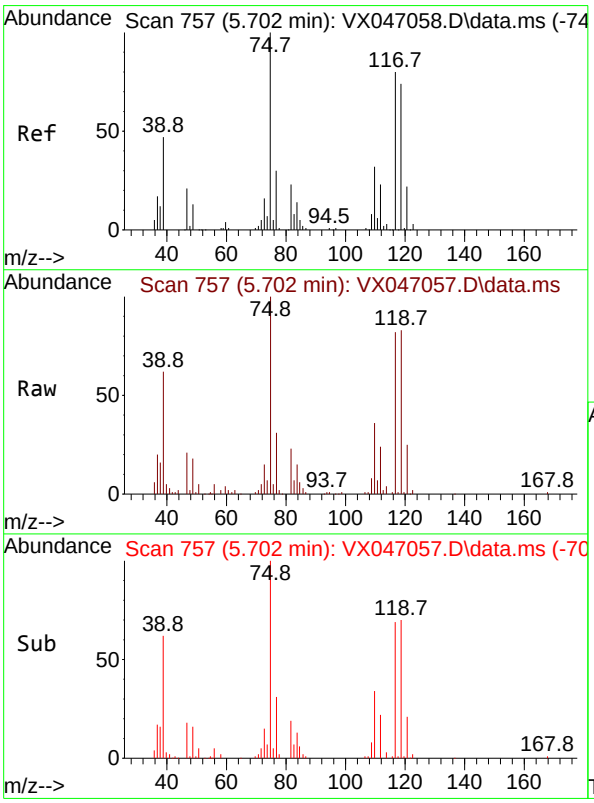
#35
Dibromofluoromethane
Concen: 16.992 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:113 Resp: 57105

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.6	124.0
192	17.6	14.9	22.3

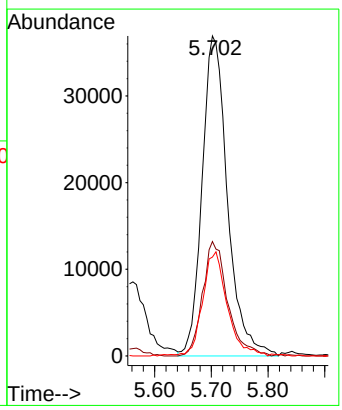


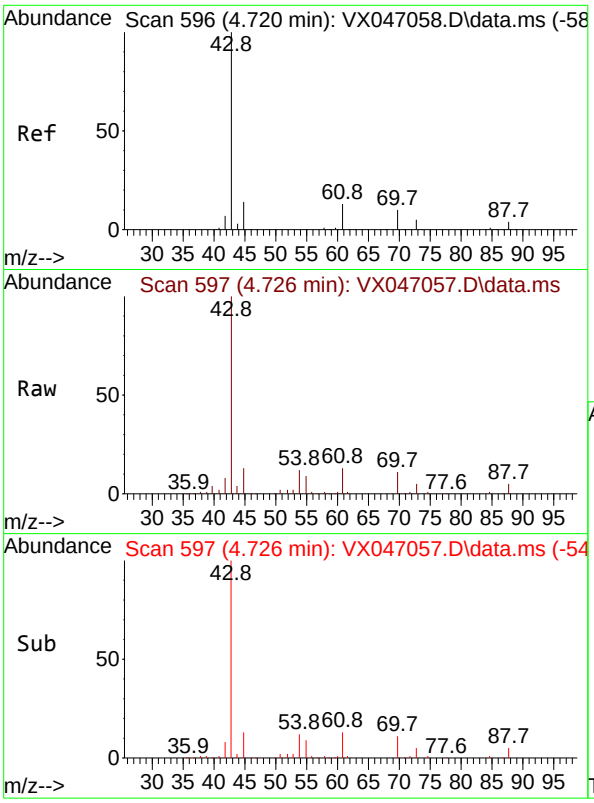


#36
1,1-Dichloropropene
Concen: 20.062 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 75 Resp: 114925

Ion	Ratio	Lower	Upper
75	100		
110	35.2	17.2	51.5
77	31.4	25.1	37.7



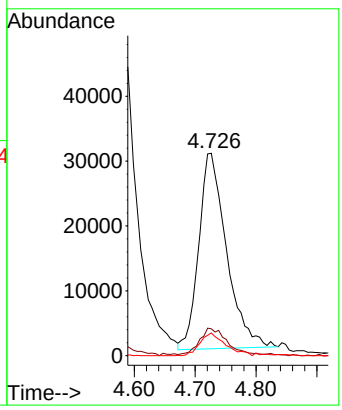


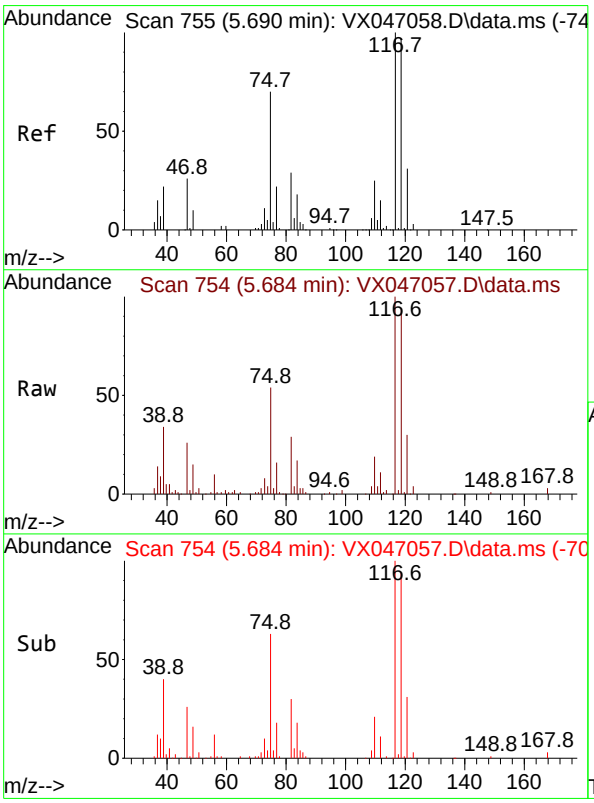
#37
Ethyl Acetate
Concen: 18.907 ug/l
RT: 4.726 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 95455

Ion	Ratio	Lower	Upper
43	100		
61	13.1	10.2	15.2
70	10.6	8.1	12.1

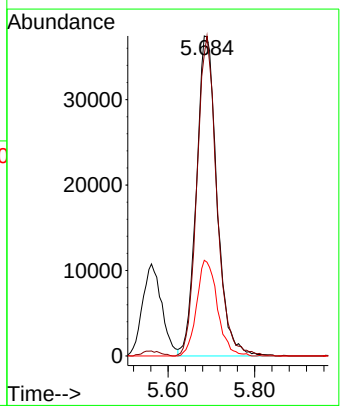


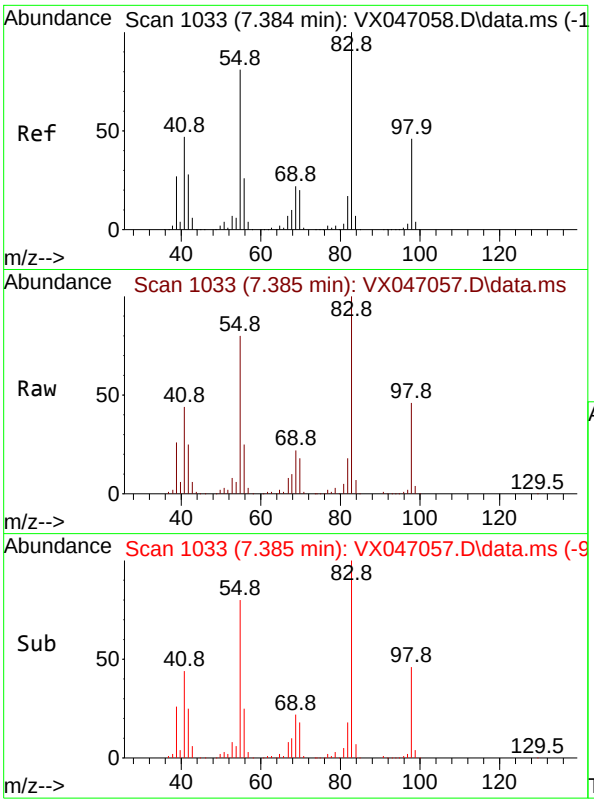


#38
Carbon Tetrachloride
Concen: 20.150 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:117 Resp: 123204

Ion	Ratio	Lower	Upper
117	100		
119	94.2	76.6	115.0
121	29.9	24.4	36.6



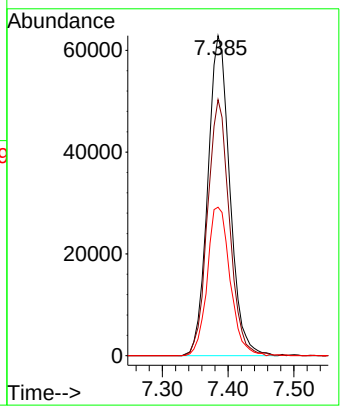


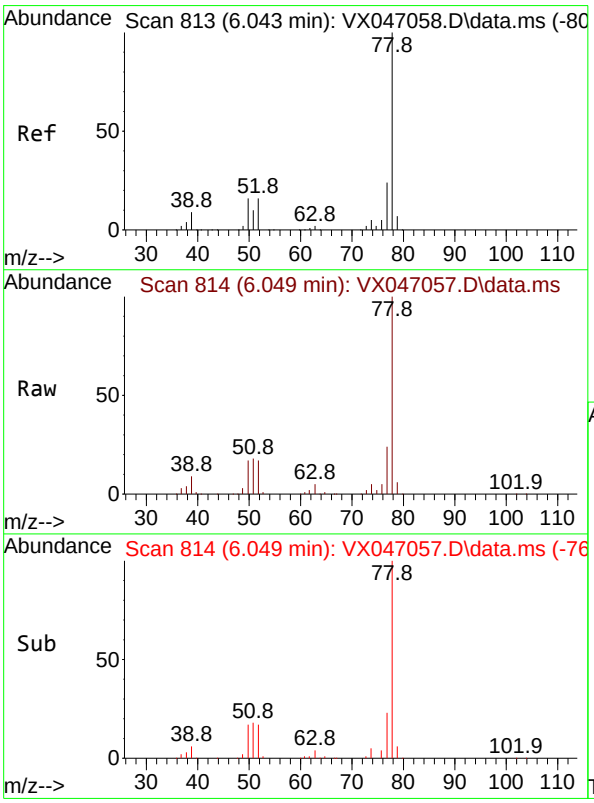
#39
Methylcyclohexane
Concen: 20.519 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 146762

Ion	Ratio	Lower	Upper
83	100		
55	80.0	64.5	96.7
98	46.4	36.9	55.3

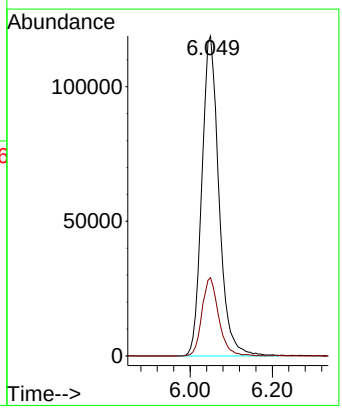


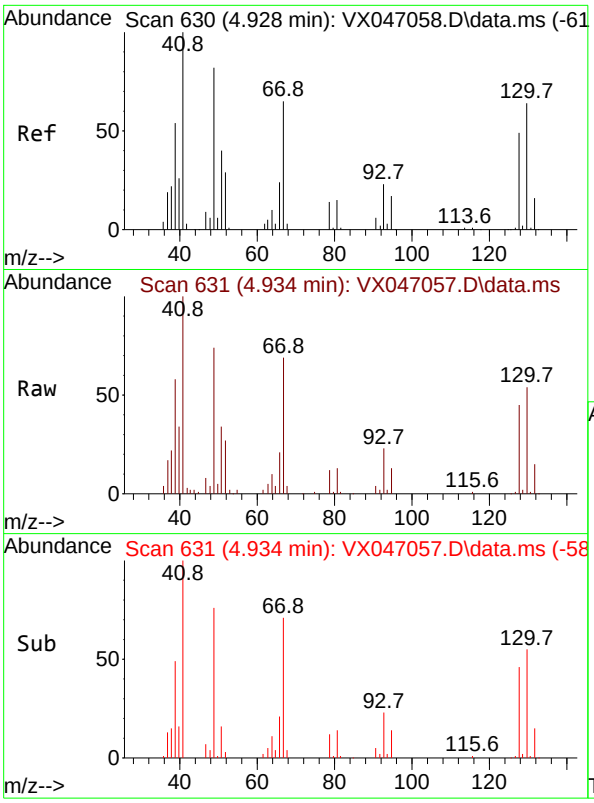


#40
Benzene
Concen: 20.656 ug/l
RT: 6.049 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 78 Resp: 342454

Ion	Ratio	Lower	Upper
78	100		
77	24.4	19.0	28.4



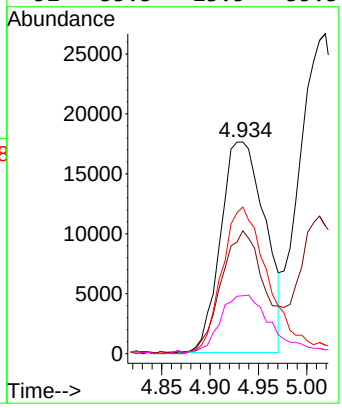


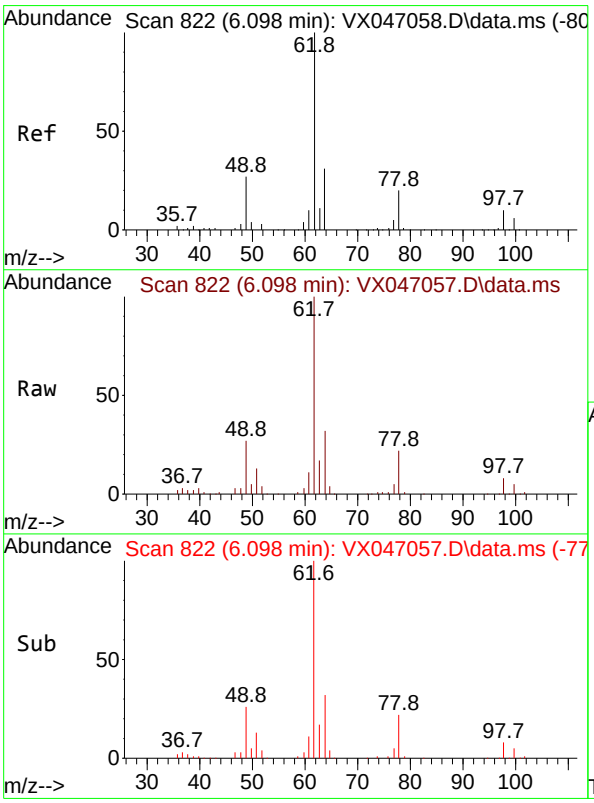
#41
Methacrylonitrile
Concen: 20.350 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 41 Resp: 56166

Ion	Ratio	Lower	Upper
41	100		
39	58.8	44.2	66.2
67	74.5	56.4	84.6
52	33.3	23.5	35.3

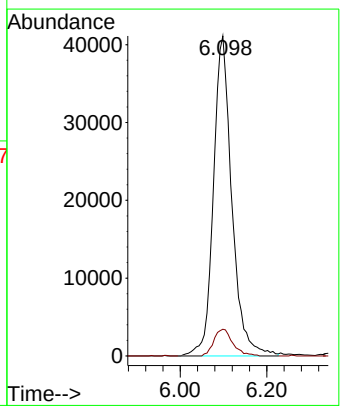


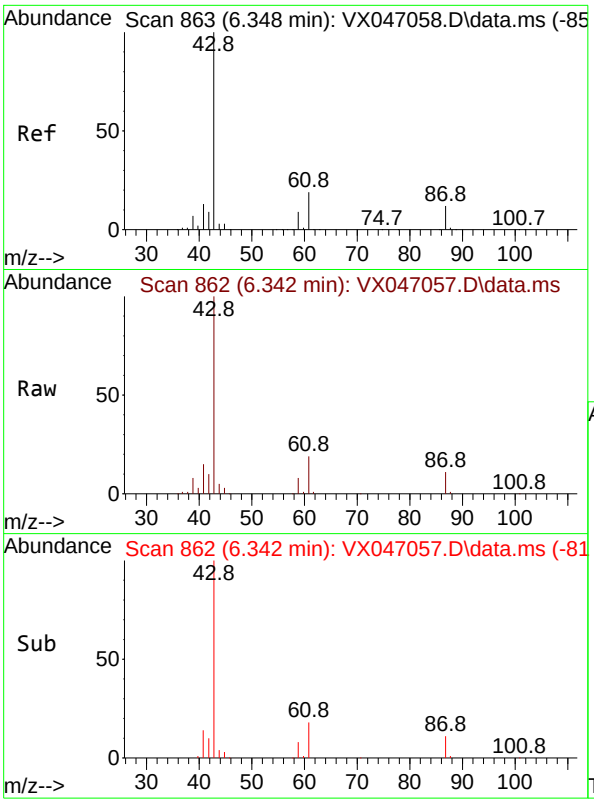


#42
1,2-Dichloroethane
Concen: 20.808 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 62 Resp: 121515

Ion	Ratio	Lower	Upper
62	100		
98	8.6	0.0	18.8



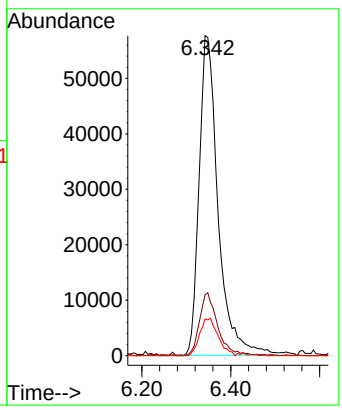


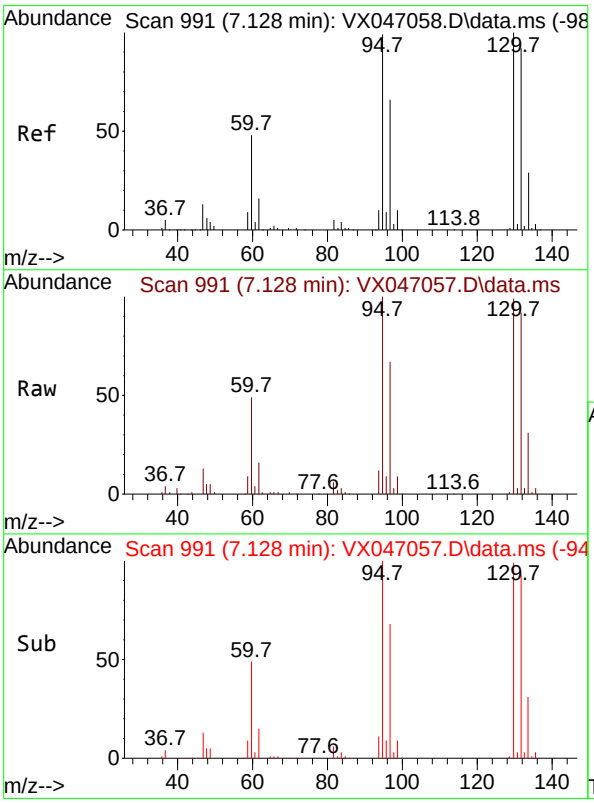
#43
Isopropyl Acetate
Concen: 20.802 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 171186

Ion	Ratio	Lower	Upper
43	100		
61	18.8	15.1	22.7
87	11.2	9.7	14.5

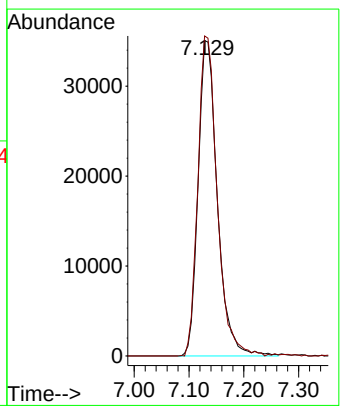


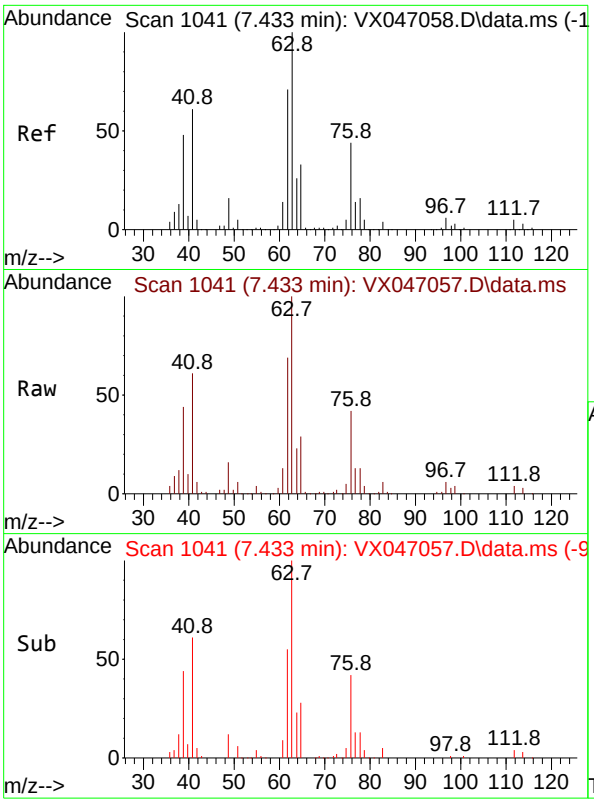


#44
Trichloroethene
Concen: 20.099 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:130 Resp: 85446

Ion	Ratio	Lower	Upper
130	100		
95	101.5	0.0	198.6



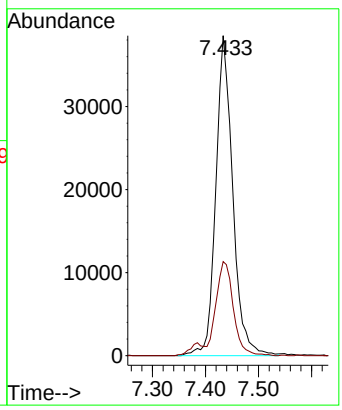


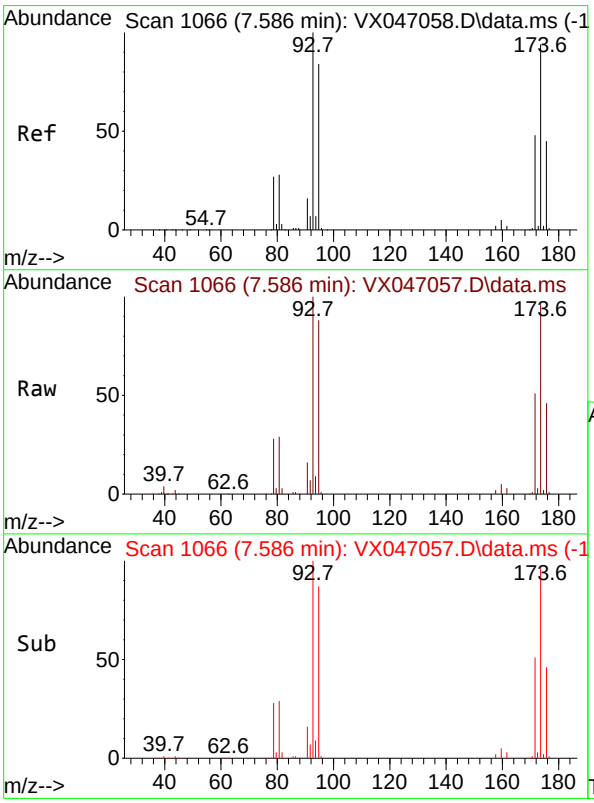
#45
1,2-Dichloropropane
Concen: 20.603 ug/l
RT: 7.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 63 Resp: 85547

Ion	Ratio	Lower	Upper
63	100		
65	29.4	26.3	39.5

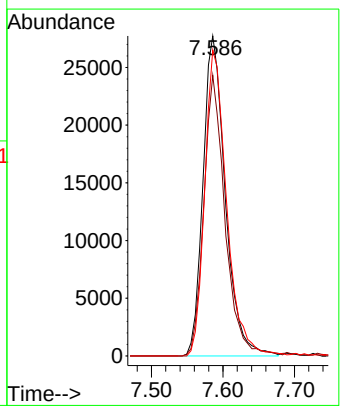


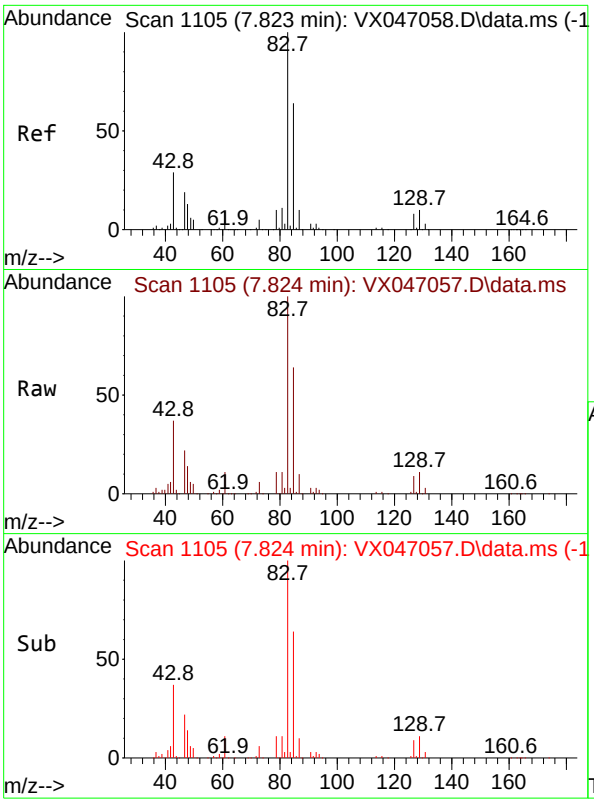


#46
Dibromomethane
Concen: 20.588 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 93 Resp: 59949

Ion	Ratio	Lower	Upper
93	100		
95	83.4	65.9	98.9
174	94.2	74.6	112.0



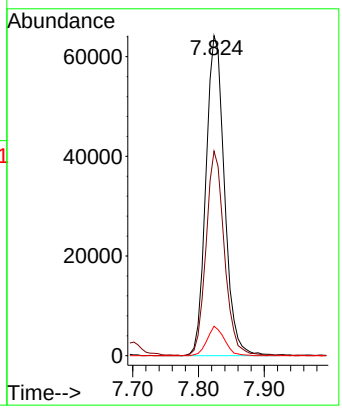


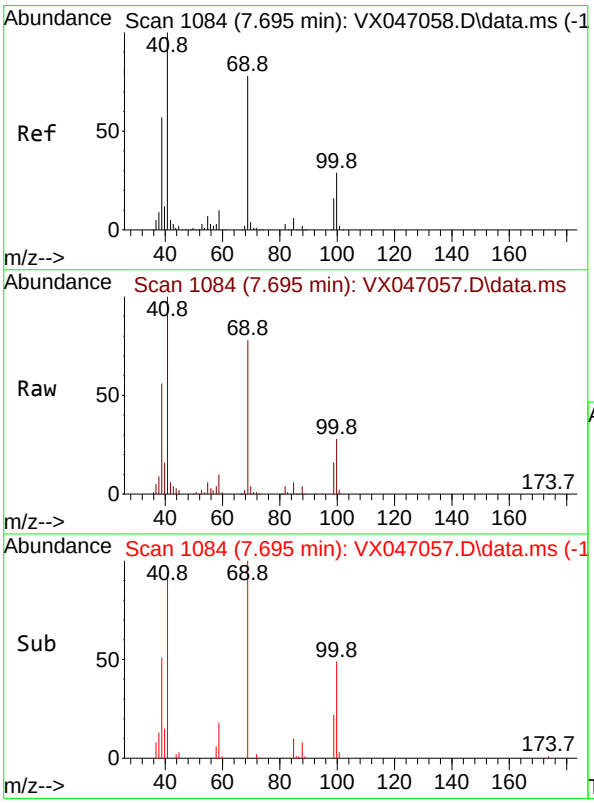
#47
Bromodichloromethane
Concen: 20.345 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 126091

Ion	Ratio	Lower	Upper
83	100		
85	62.1	49.9	74.9
127	9.0	6.6	10.0

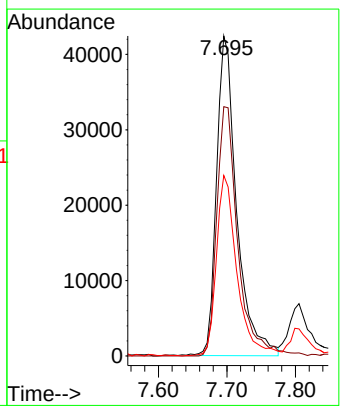


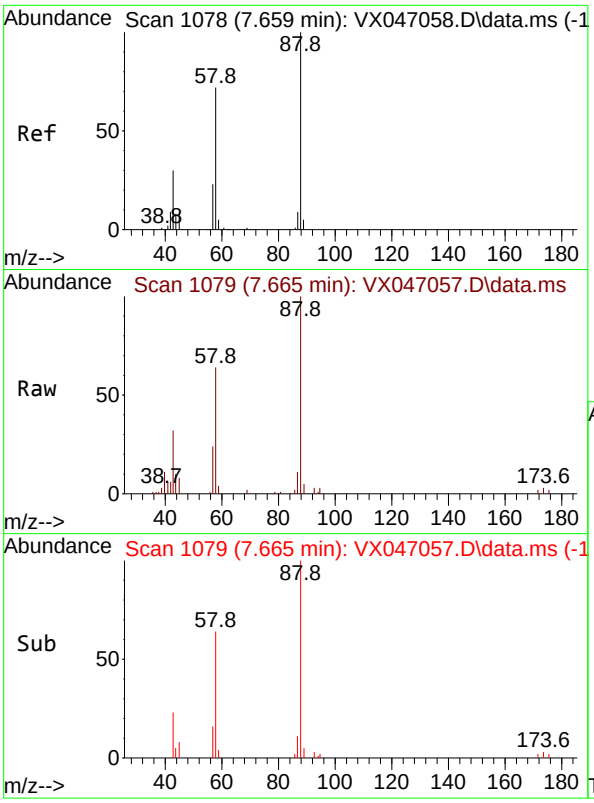


#48
Methyl methacrylate
Concen: 19.269 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 41 Resp: 86386

Ion	Ratio	Lower	Upper
41	100		
69	81.4	62.3	93.5
39	57.8	44.8	67.2



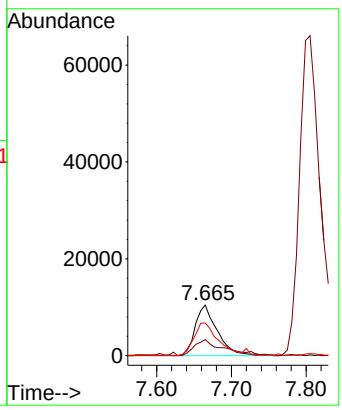


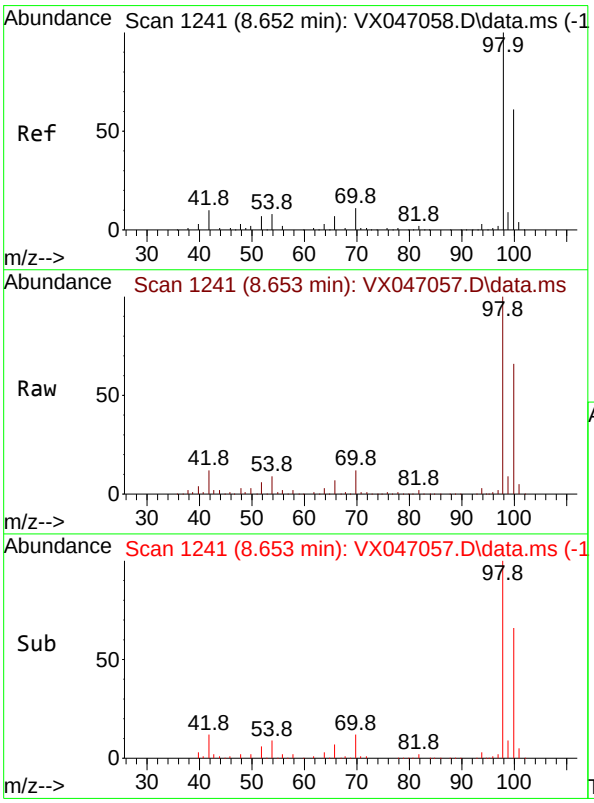
#49
1,4-Dioxane
Concen: 422.133 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 88 Resp: 21524

Ion	Ratio	Lower	Upper
88	100		
43	42.4	33.6	50.4
58	69.9	58.8	88.2

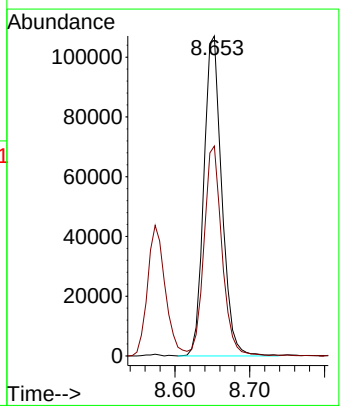


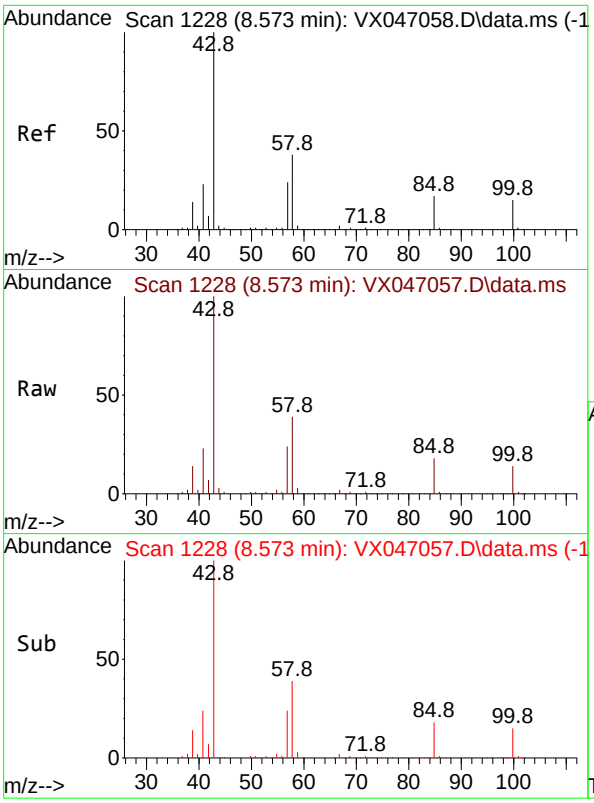


#50
Toluene-d8
Concen: 16.431 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 98 Resp: 178825

Ion	Ratio	Lower	Upper
98	100		
100	65.1	53.3	79.9



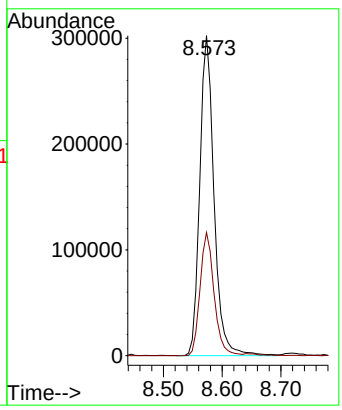


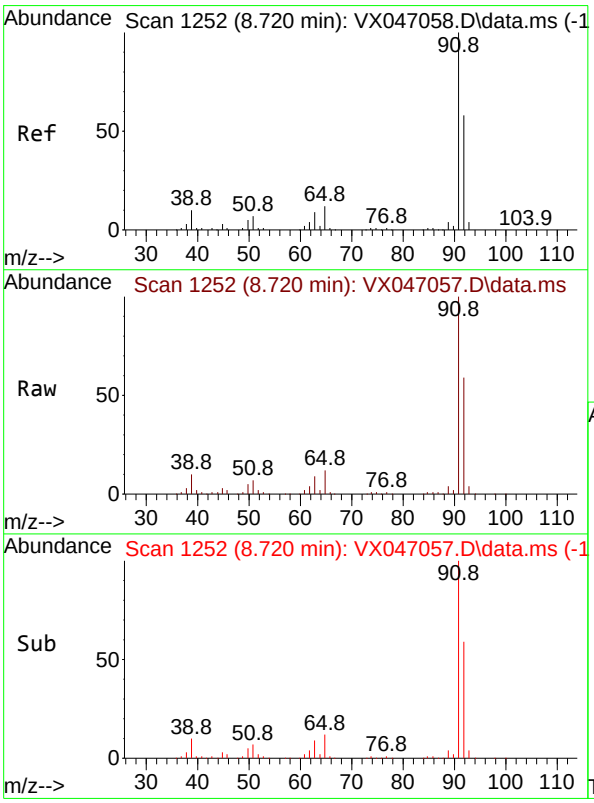
#51
4-Methyl-2-Pentanone
Concen: 104.532 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 511307

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.6	45.8

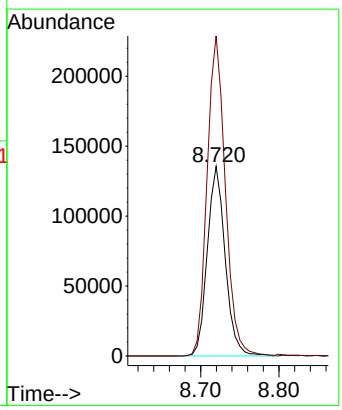


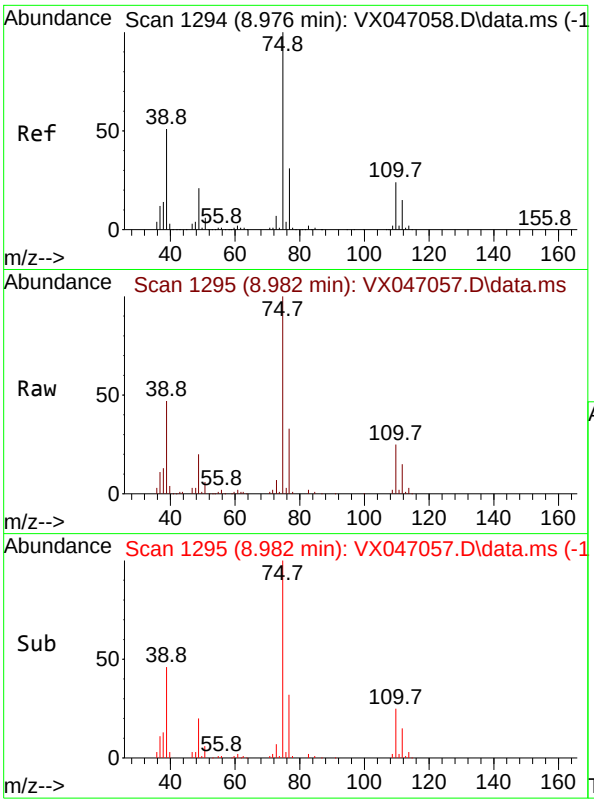


#52
Toluene
Concen: 21.087 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 92 Resp: 214955

Ion	Ratio	Lower	Upper
92	100		
91	172.1	137.9	206.9



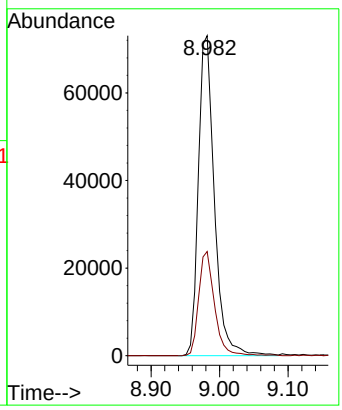


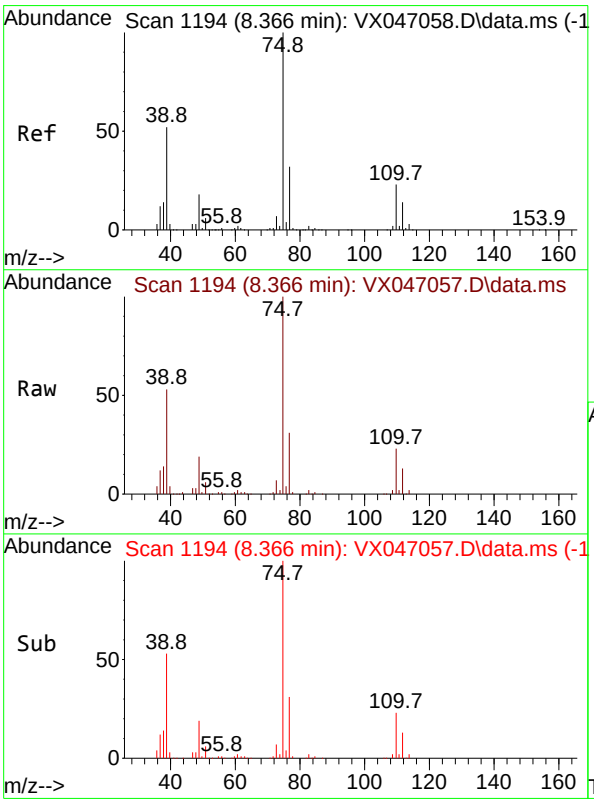
#53
t-1,3-Dichloropropene
Concen: 20.311 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 118872

Ion	Ratio	Lower	Upper
75	100		
77	32.6	24.5	36.7

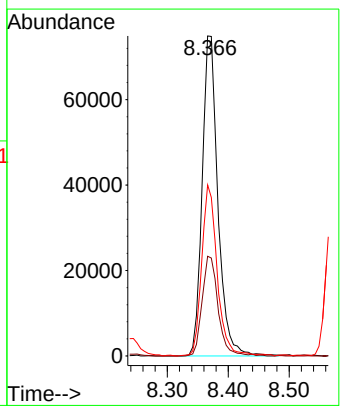


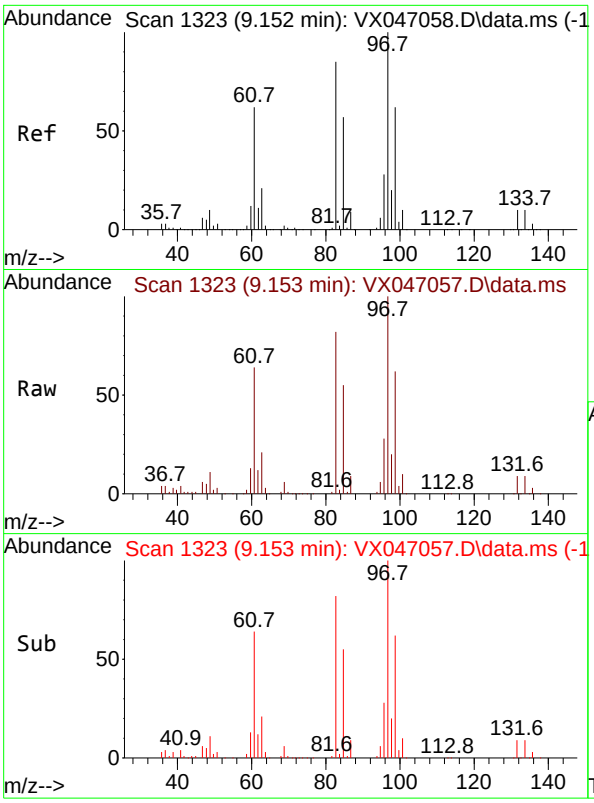


#54
cis-1,3-Dichloropropene
Concen: 21.011 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 75 Resp: 134587

Ion	Ratio	Lower	Upper
75	100		
77	31.1	25.4	38.0
39	53.5	41.8	62.6



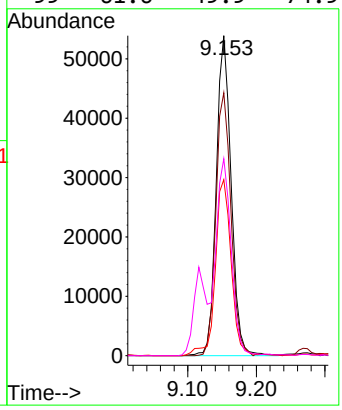


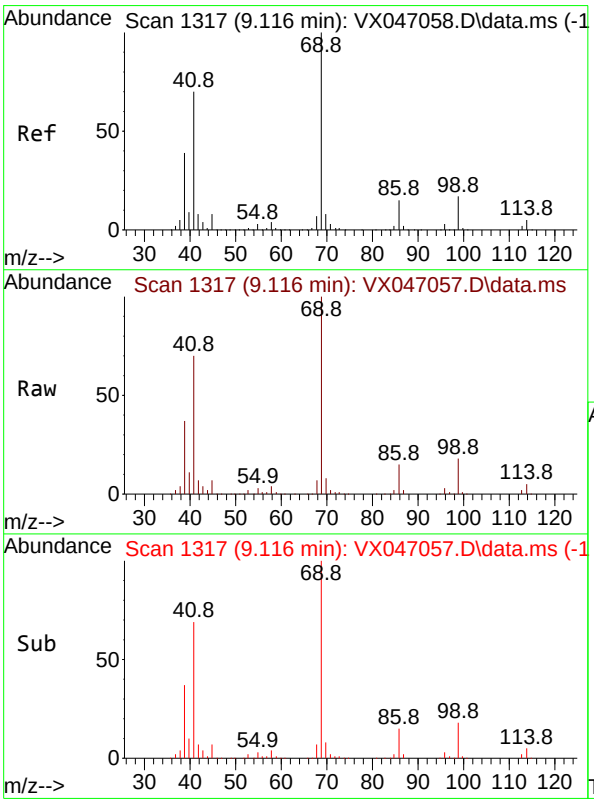
#55
1,1,2-Trichloroethane
Concen: 21.224 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 97 Resp: 81137

Ion	Ratio	Lower	Upper
97	100		
83	82.2	68.0	102.0
85	55.0	45.2	67.8
99	61.6	49.9	74.9

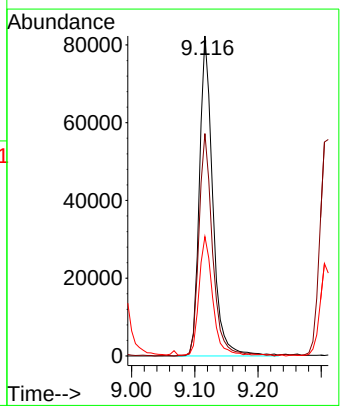


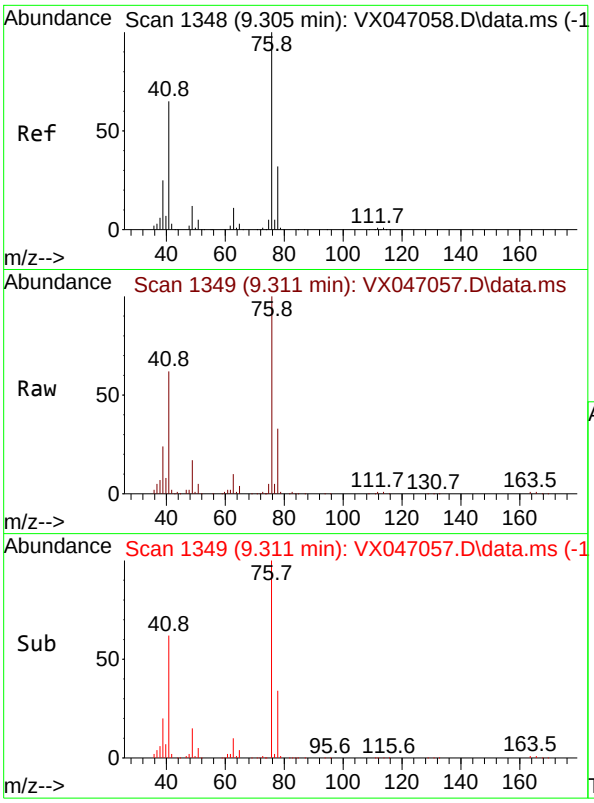


#56
Ethyl methacrylate
Concen: 21.389 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 69 Resp: 121053

Ion	Ratio	Lower	Upper
69	100		
41	71.5	56.1	84.1
39	37.6	31.1	46.7



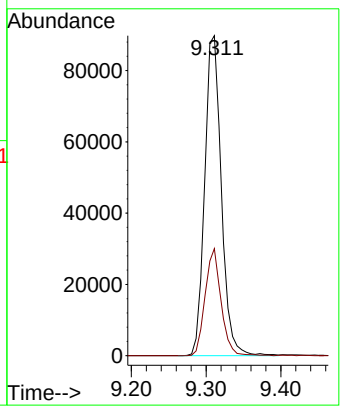


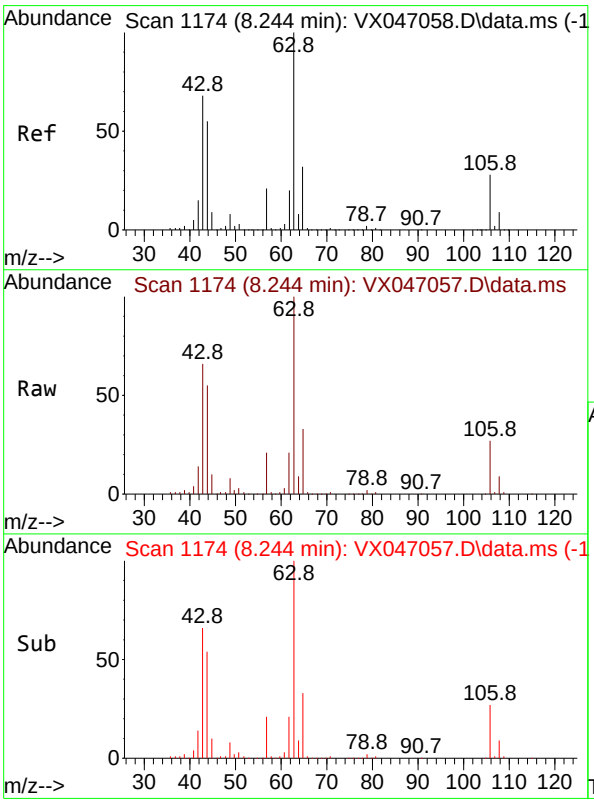
#57
1,3-Dichloropropane
Concen: 20.925 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 76 Resp: 139031

Ion	Ratio	Lower	Upper
76	100		
78	32.0	25.5	38.3

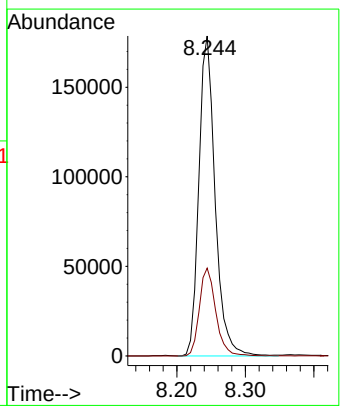


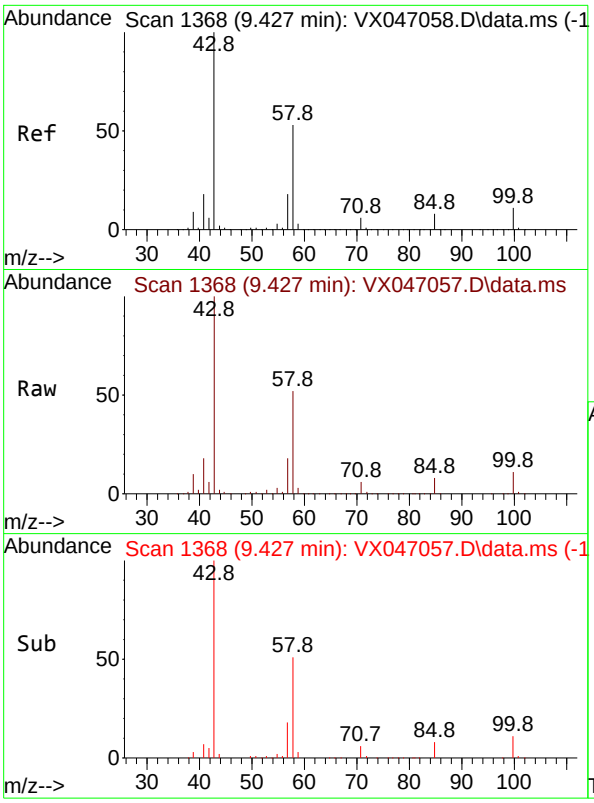


#58
2-Chloroethyl Vinyl ether
Concen: 93.631 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 63 Resp: 294878

Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.2	33.4



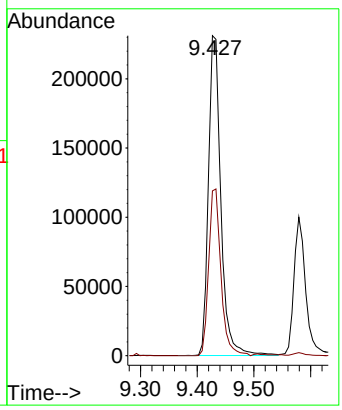


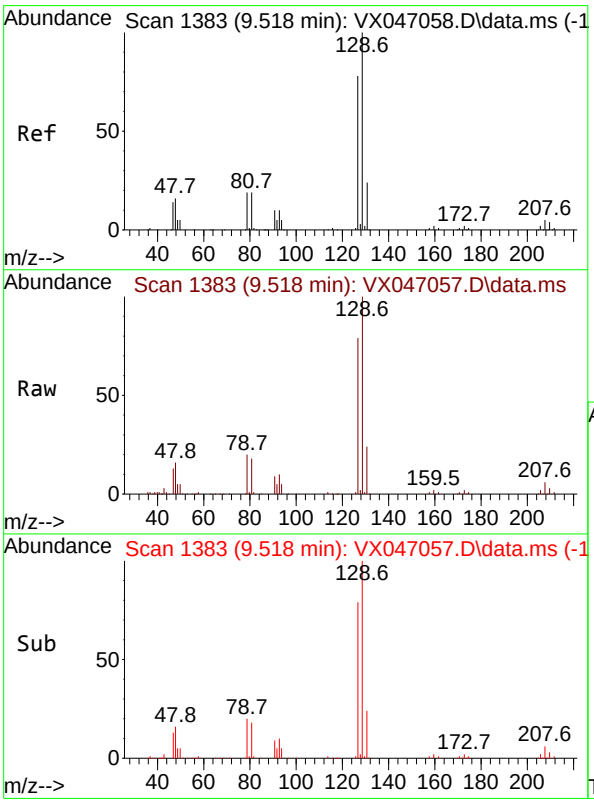
#59
2-Hexanone
Concen: 109.015 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 43 Resp: 352298

Ion	Ratio	Lower	Upper
43	100		
58	51.2	26.5	79.5

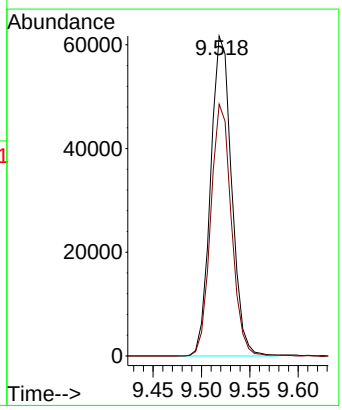


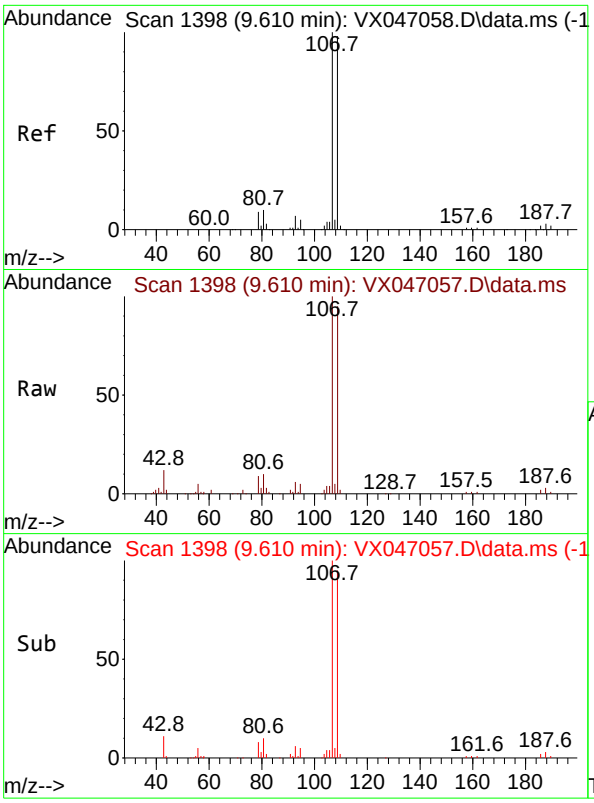


#60
Dibromochloromethane
Concen: 20.779 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:129 Resp: 93165

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8



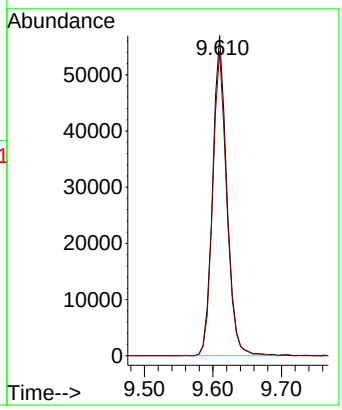


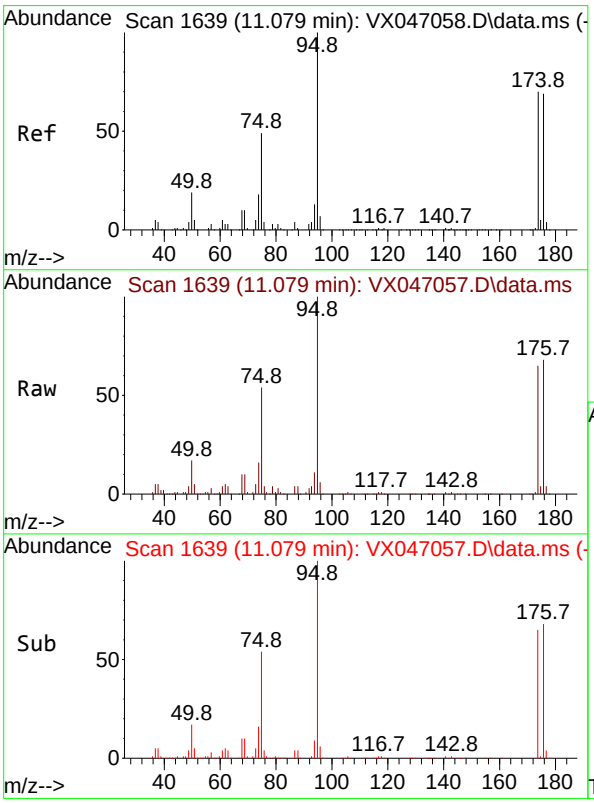
#61
1,2-Dibromoethane
Concen: 20.522 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:107 Resp: 82035

Ion	Ratio	Lower	Upper
107	100		
109	94.4	74.6	112.0

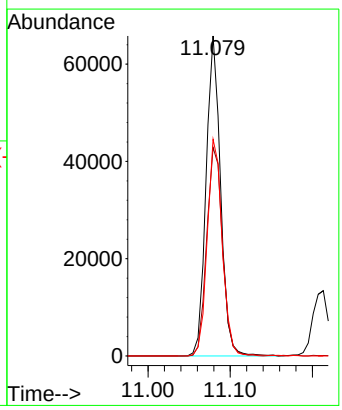


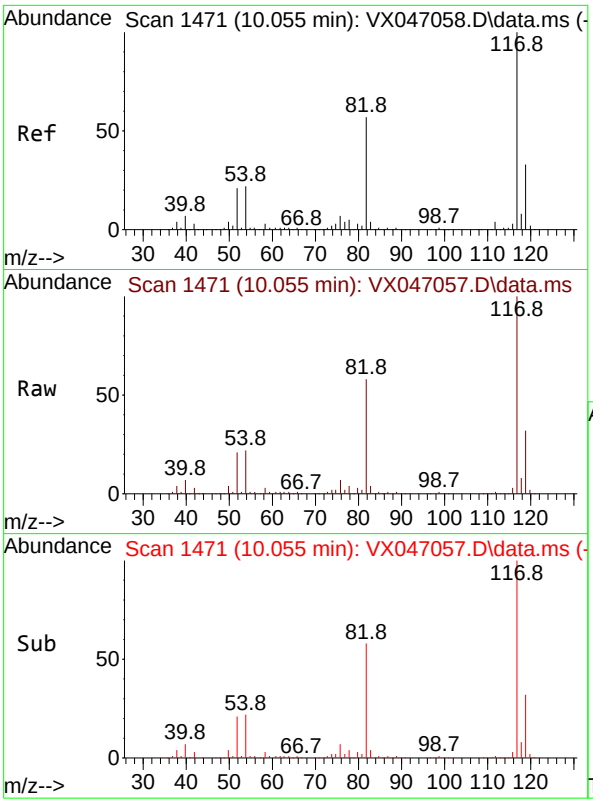


#62
4-Bromofluorobenzene
Concen: 17.133 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 95 Resp: 80359

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	144.6
176	70.0	0.0	139.6



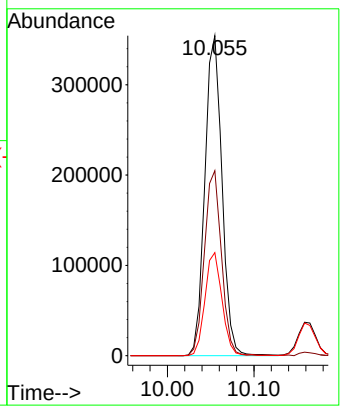


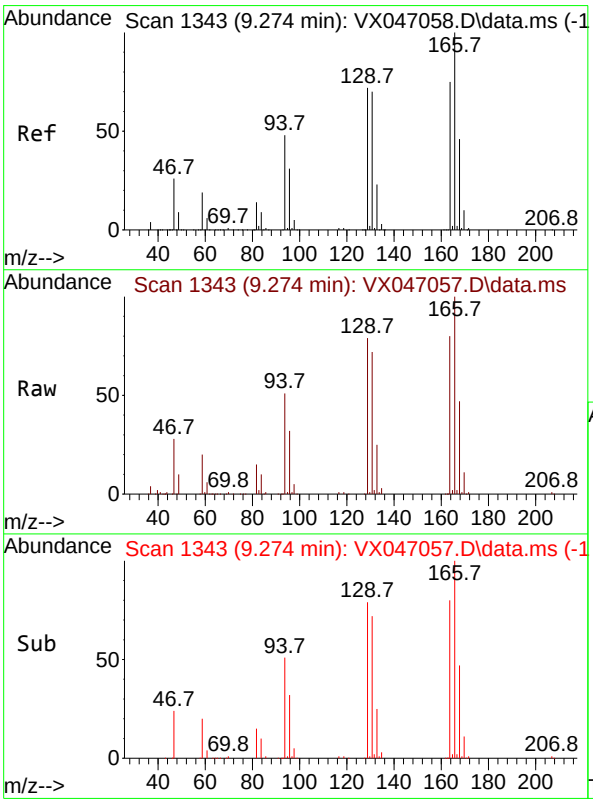
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:117 Resp: 486572

Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.4	68.2
119	32.2	26.1	39.1

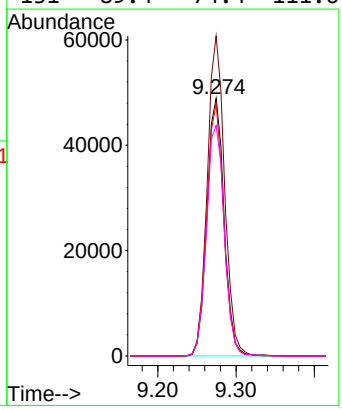


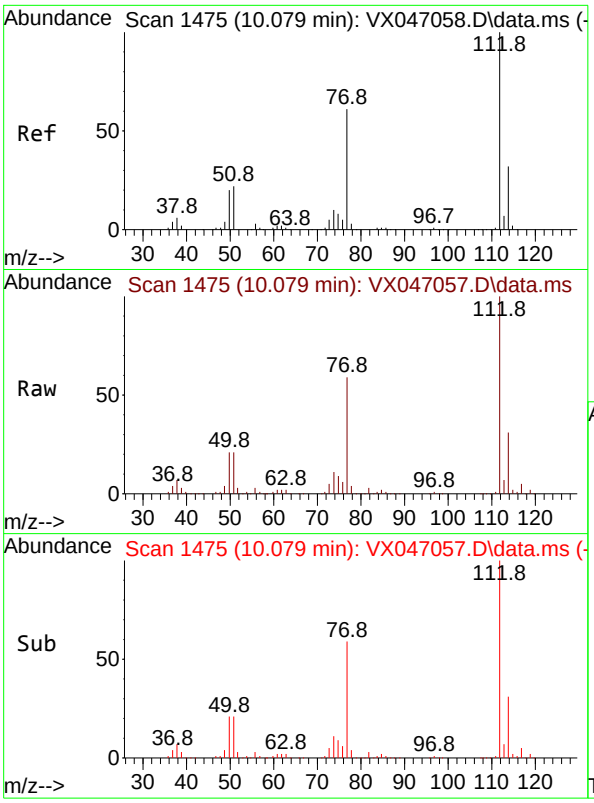


#64
Tetrachloroethene
Concen: 21.147 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:164 Resp: 74177

Ion	Ratio	Lower	Upper
164	100		
166	124.2	106.2	159.4
129	98.0	76.6	114.8
131	89.4	74.4	111.6



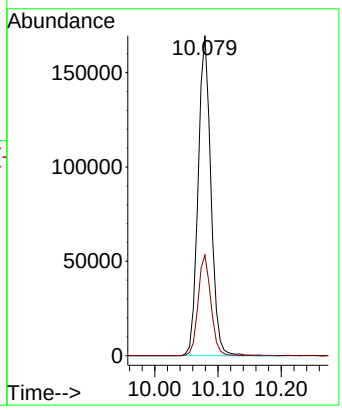


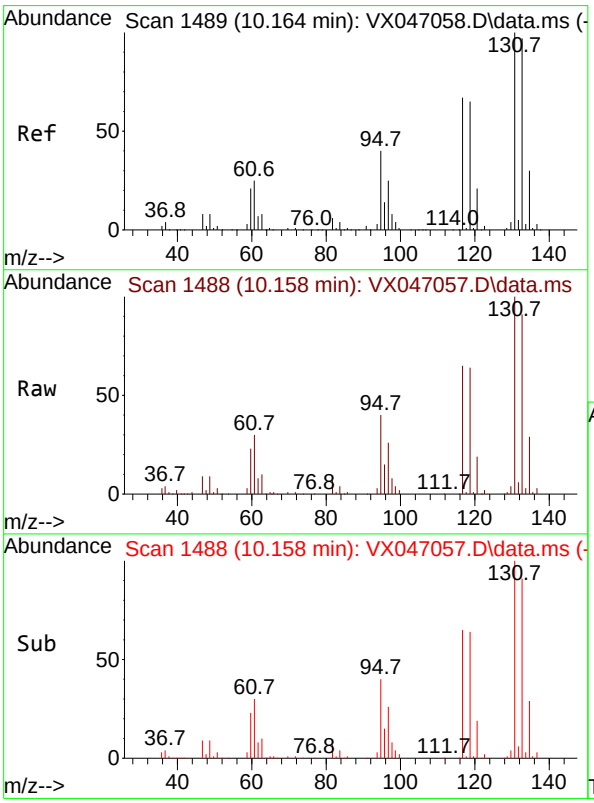
#65
Chlorobenzene
Concen: 20.917 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:112 Resp: 238428

Ion	Ratio	Lower	Upper
112	100		
114	31.5	25.8	38.6

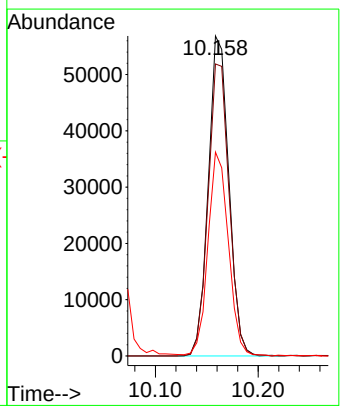


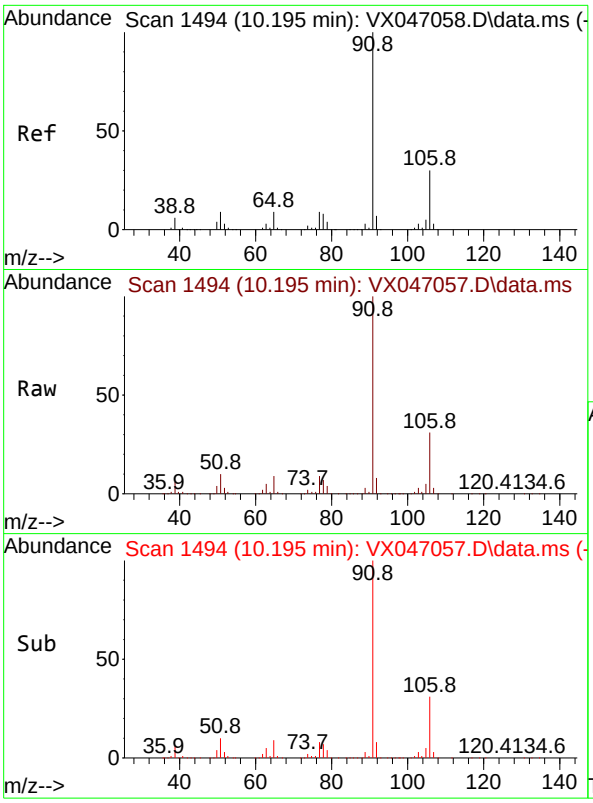


#66
1,1,1,2-Tetrachloroethane
Concen: 20.502 ug/l
RT: 10.158 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:131 Resp: 78682

Ion	Ratio	Lower	Upper
131	100		
133	93.9	48.4	145.3
119	63.6	32.4	97.0



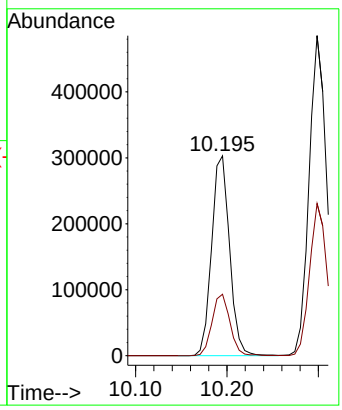


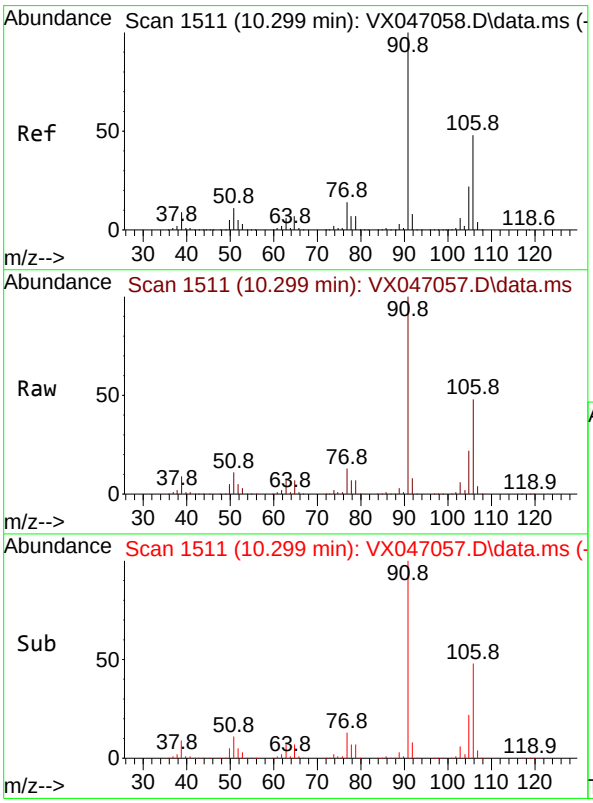
#67
Ethyl Benzene
Concen: 20.693 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 412412

Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.2	36.4

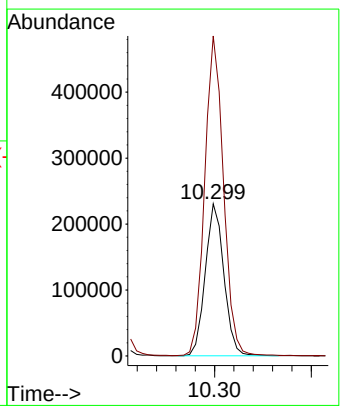


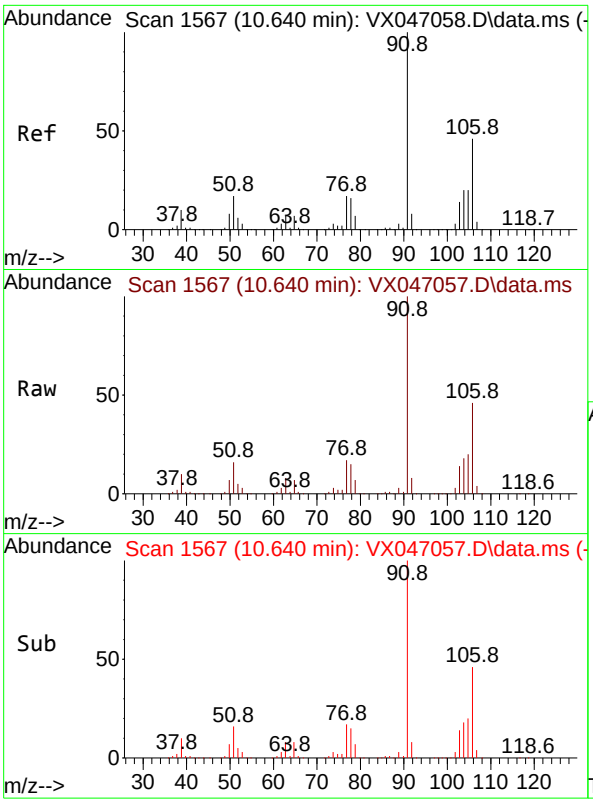


#68
m/p-Xylenes
Concen: 41.478 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:106 Resp: 309353

Ion	Ratio	Lower	Upper
106	100		
91	212.6	167.4	251.0



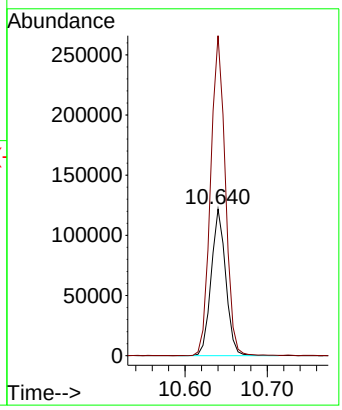


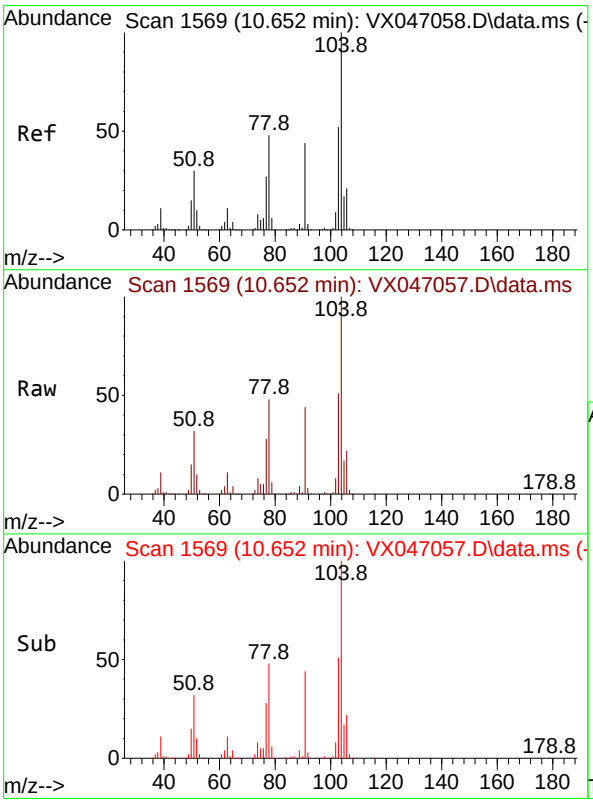
#69
o-Xylene
Concen: 21.083 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:106 Resp: 149592

Ion	Ratio	Lower	Upper
106	100		
91	221.0	110.3	331.0

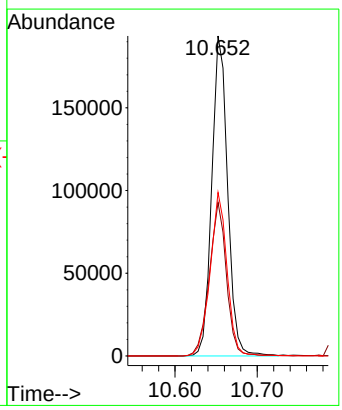


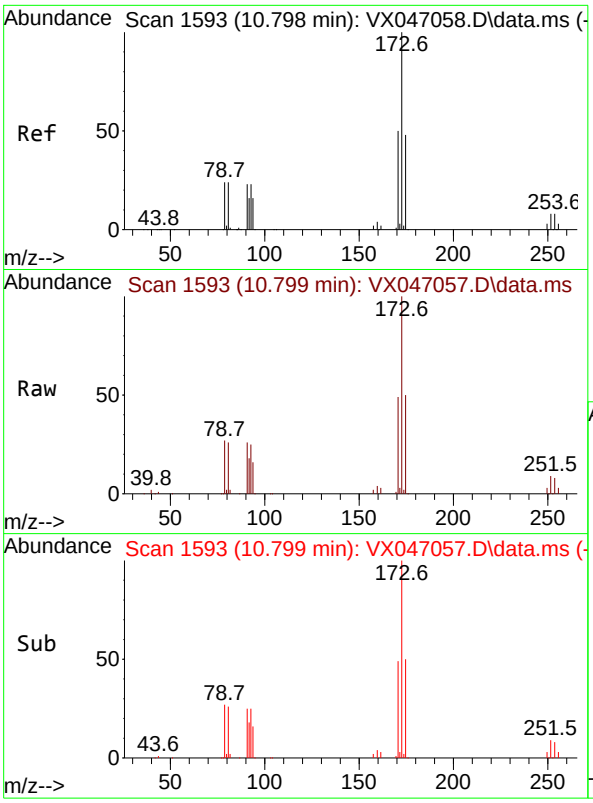


#70
Styrene
Concen: 21.310 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:104 Resp: 259267

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.0	63.0
103	54.6	43.8	65.6



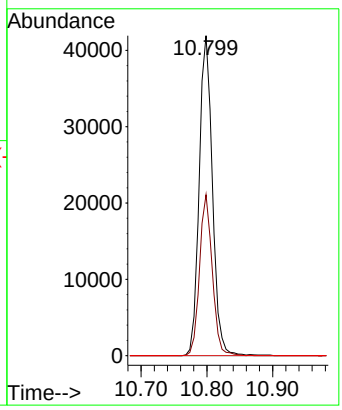


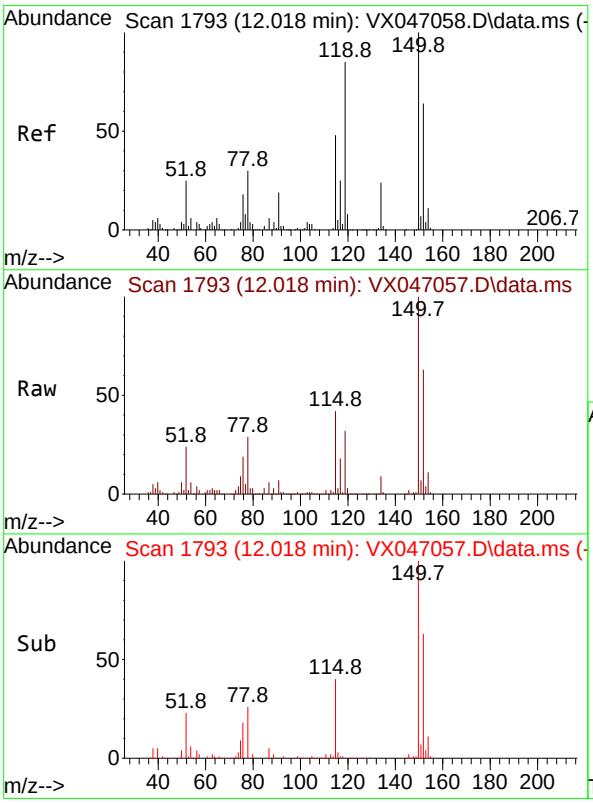
#71
Bromoform
Concen: 20.135 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:173 Resp: 58699

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.0	0.1	0.1#

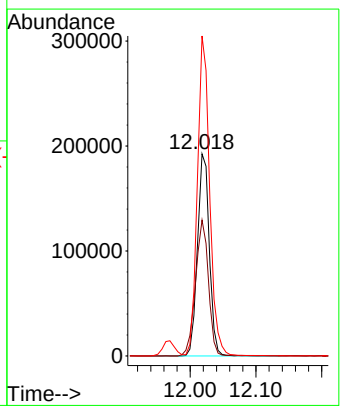


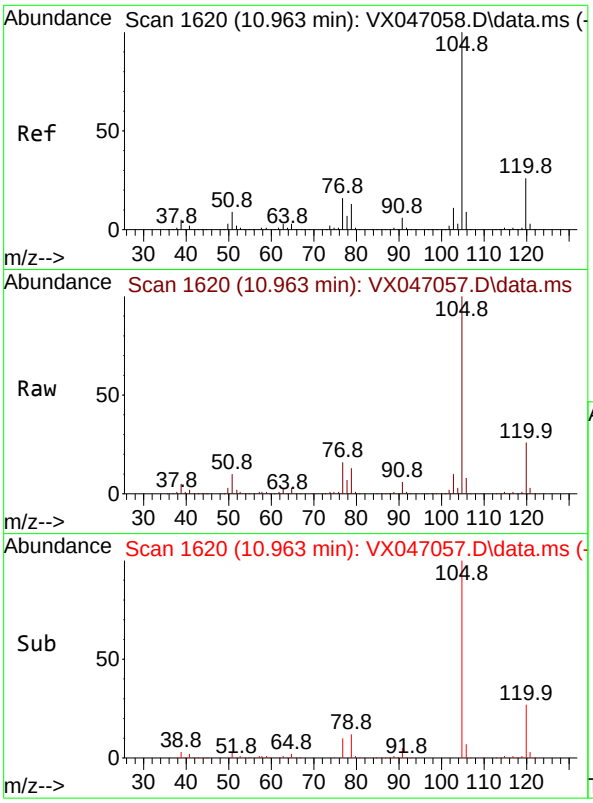


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:152 Resp: 240632

Ion	Ratio	Lower	Upper
152	100		
115	73.2	45.6	136.7
150	163.9	0.0	354.6



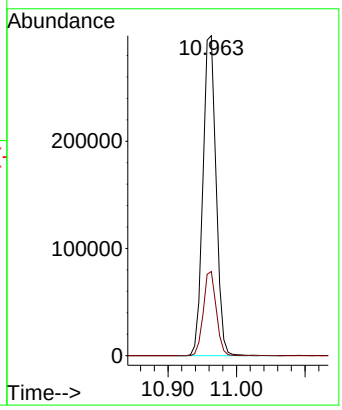


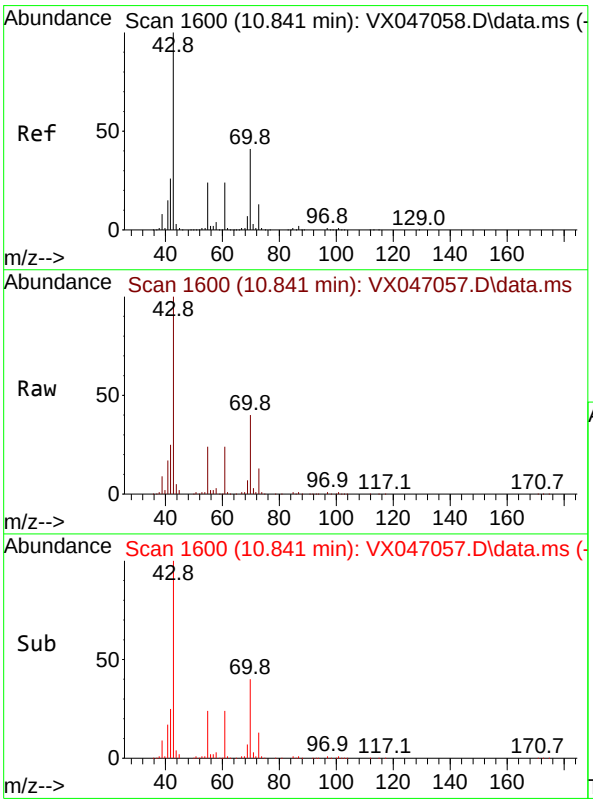
#73
Isopropylbenzene
Concen: 21.021 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 399077

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

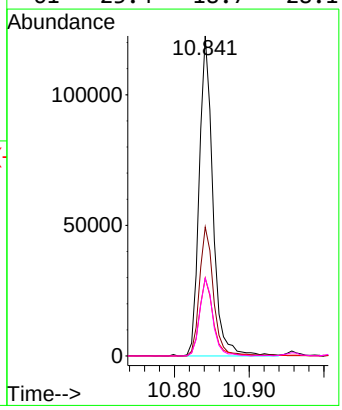


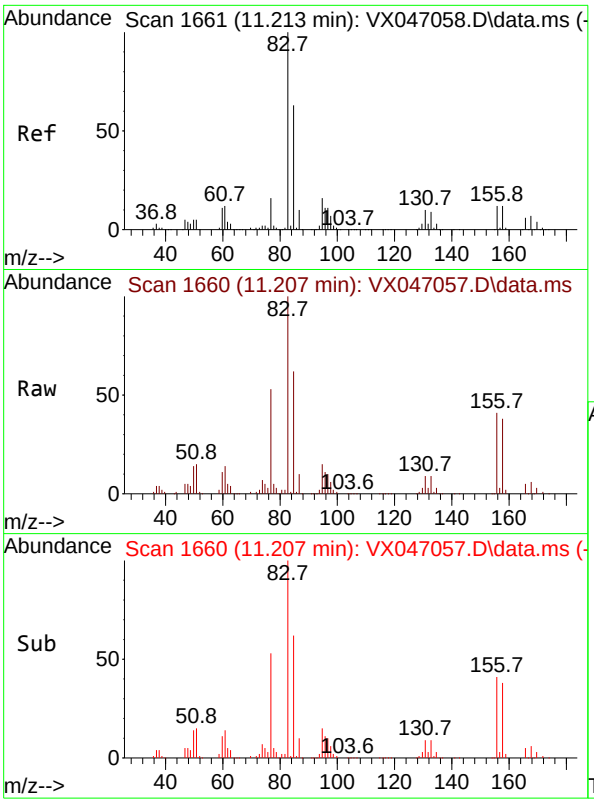


#74
N-amyl acetate
Concen: 20.558 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 43 Resp: 155675

Ion	Ratio	Lower	Upper
43	100		
70	41.1	32.3	48.5
55	24.5	18.9	28.3
61	23.4	18.7	28.1



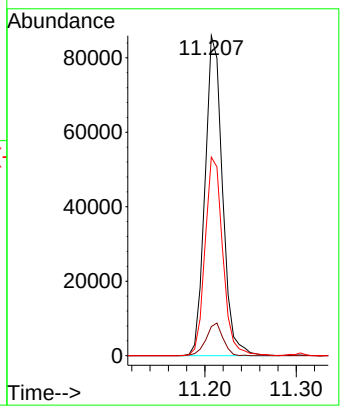


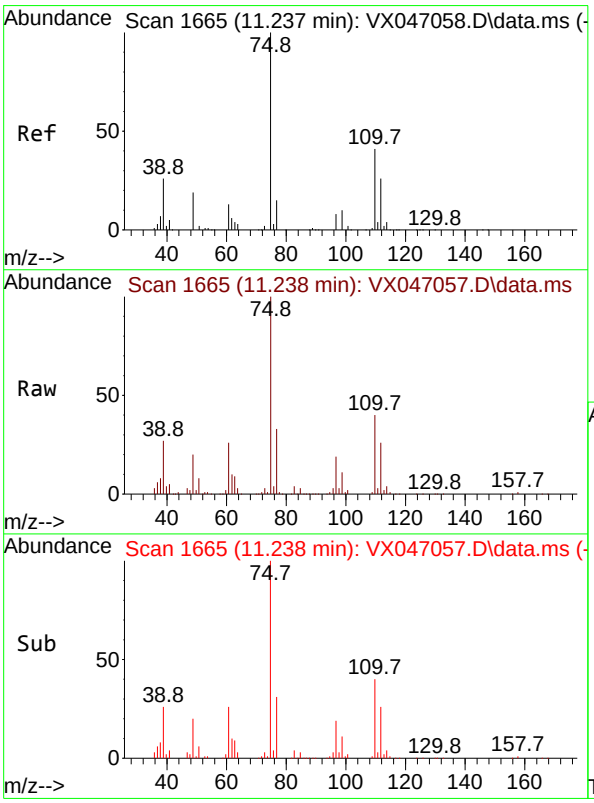
#75
1,1,2,2-Tetrachloroethane
Concen: 20.975 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 83 Resp: 113741

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.1	32.0	96.2

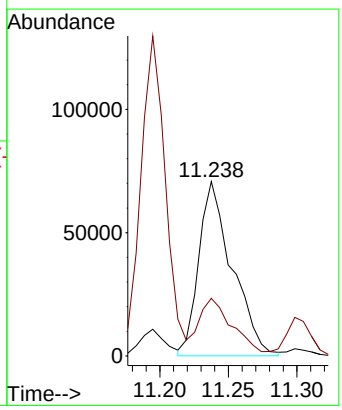


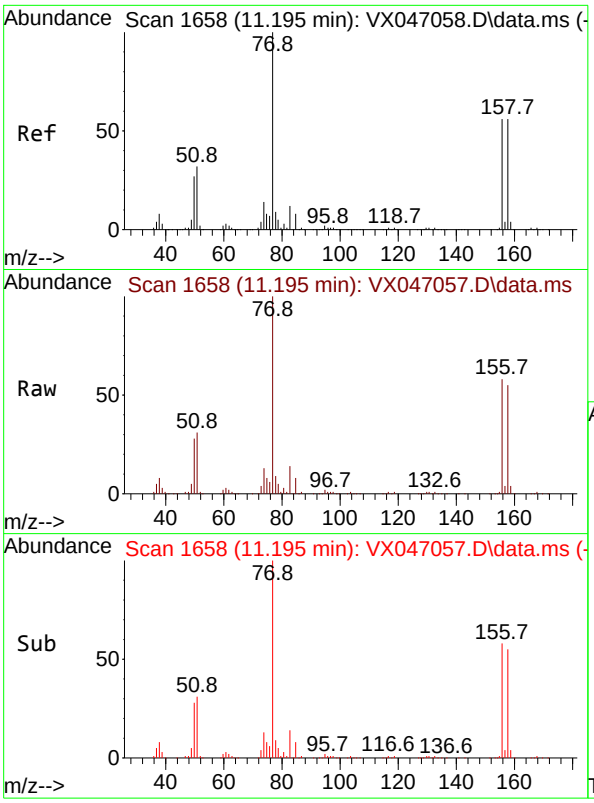


#76
1,2,3-Trichloropropane
Concen: 26.913 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 75 Resp: 119868

Ion	Ratio	Lower	Upper
75	100		
77	33.1	21.6	65.0



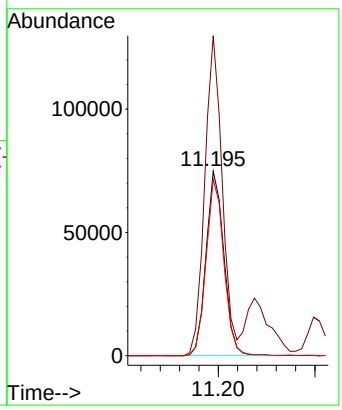


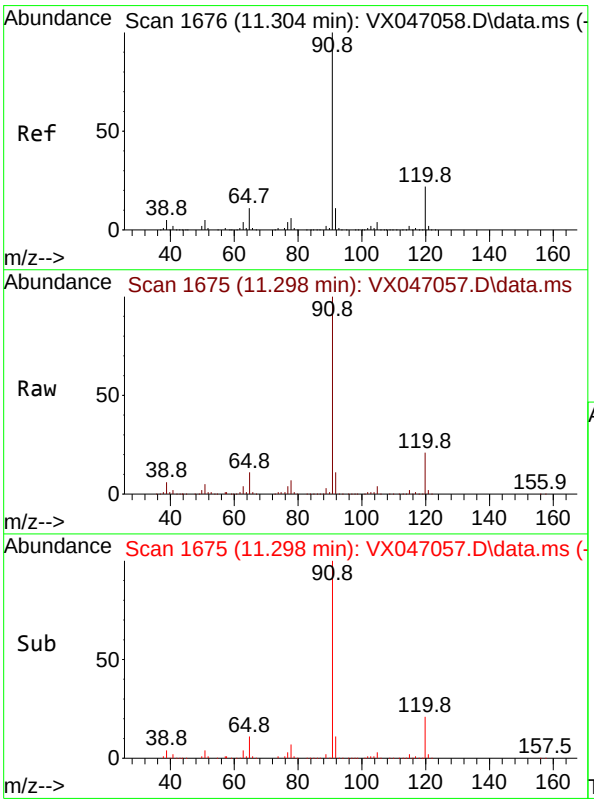
#77
Bromobenzene
Concen: 21.073 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:156 Resp: 95957

Ion	Ratio	Lower	Upper
156	100		
77	169.8	87.3	261.9
158	95.8	48.9	146.6

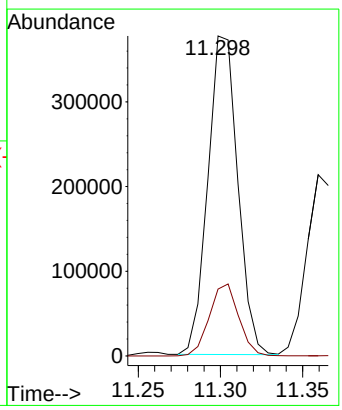


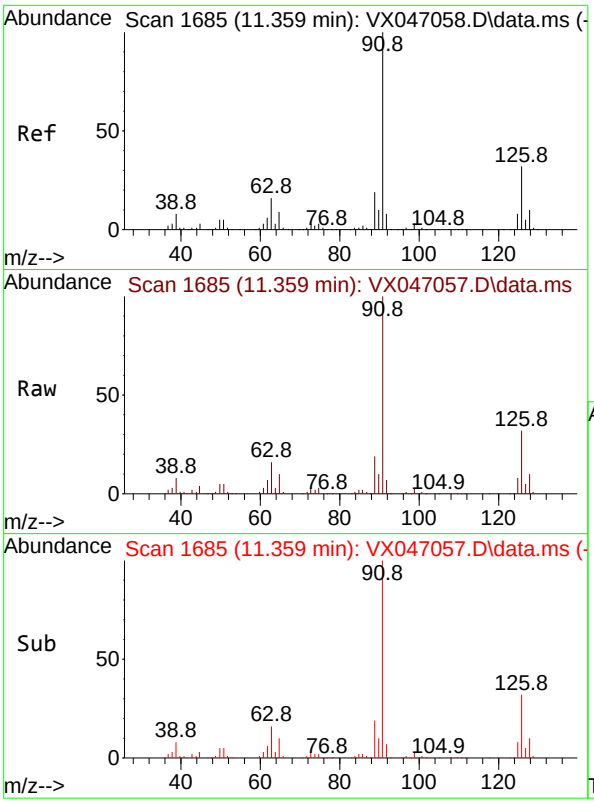


#78
n-propylbenzene
Concen: 20.991 ug/l
RT: 11.298 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 91 Resp: 476196

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0



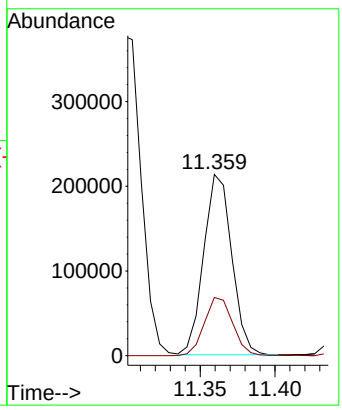


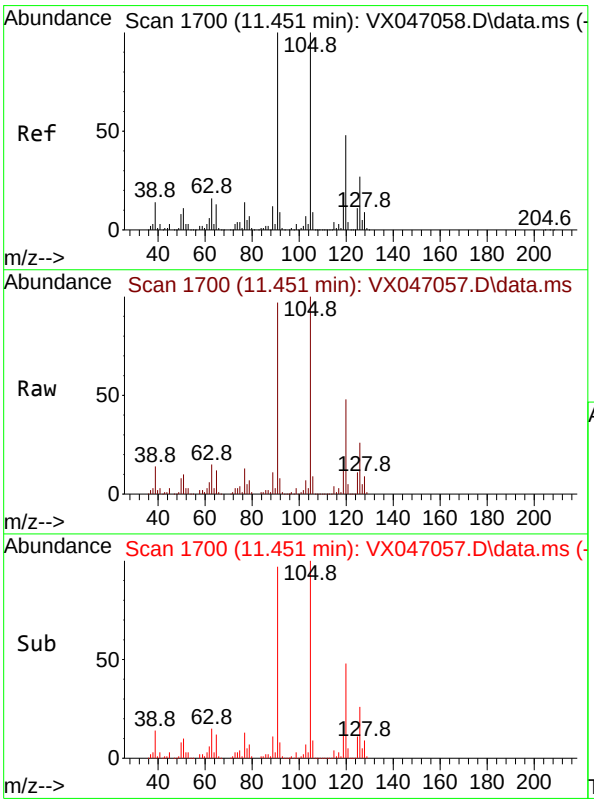
#79
2-Chlorotoluene
Concen: 20.545 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 278615

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

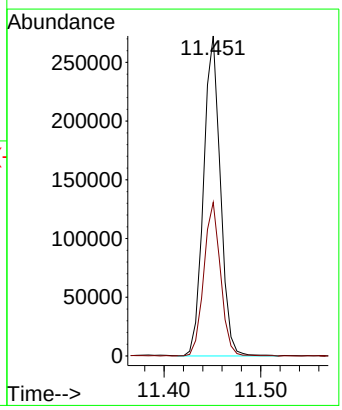


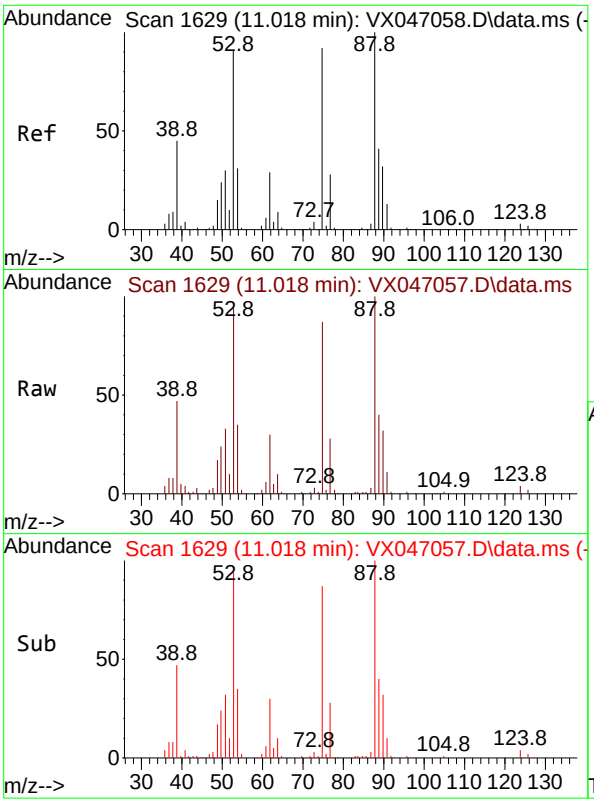


#80
1,3,5-Trimethylbenzene
Concen: 21.093 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:105 Resp: 330824

Ion	Ratio	Lower	Upper
105	100		
120	47.6	23.8	71.5



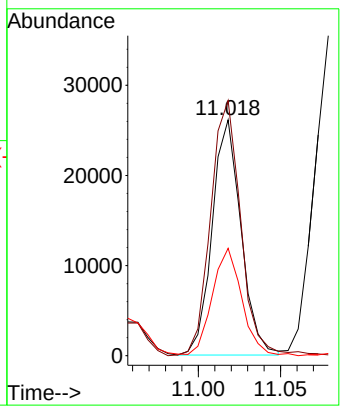


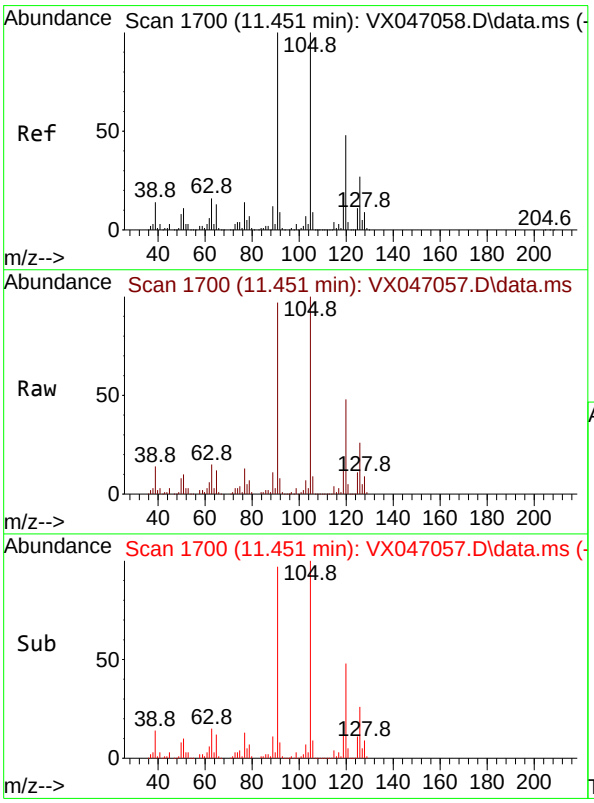
#81
trans-1,4-Dichloro-2-butene
Concen: 18.440 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 75 Resp: 31878

Ion	Ratio	Lower	Upper
75	100		
53	113.5	84.2	126.4
89	46.7	36.0	54.0

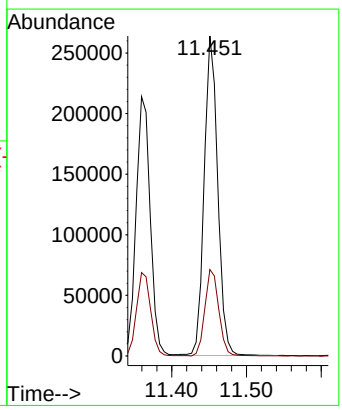


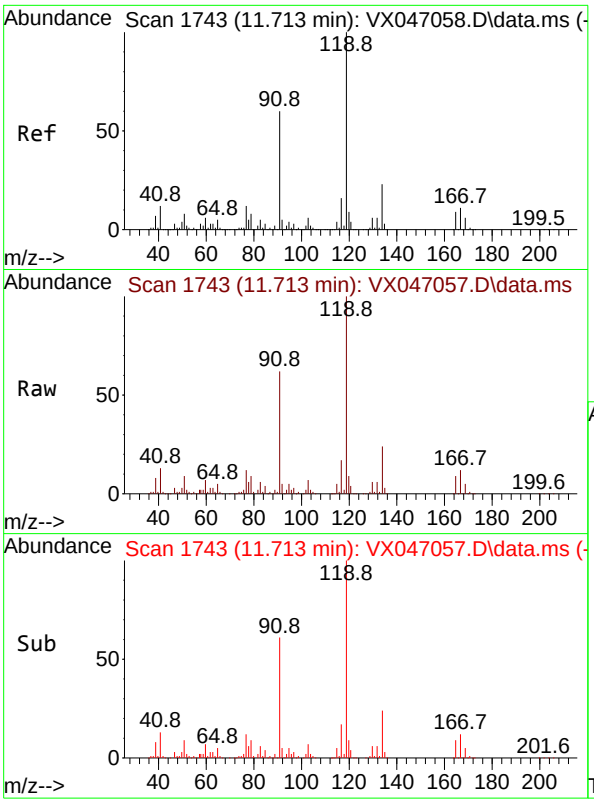


#82
4-Chlorotoluene
Concen: 20.951 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 91 Resp: 331629

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.1	42.3



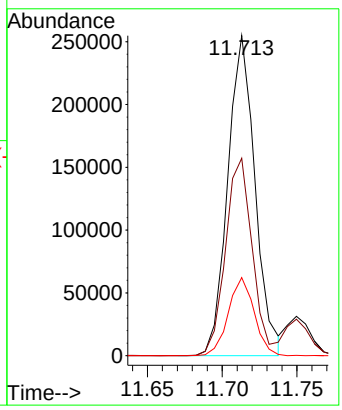


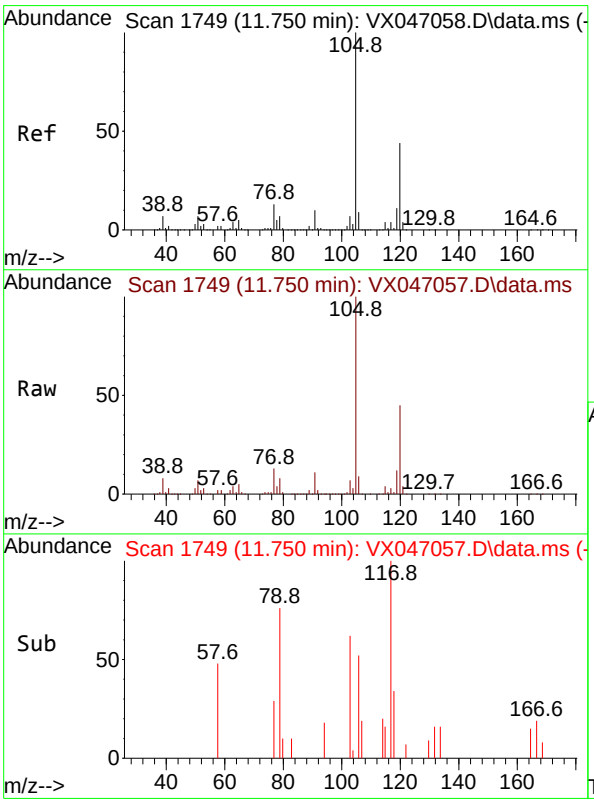
#83
tert-Butylbenzene
Concen: 20.571 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:119 Resp: 323819

Ion	Ratio	Lower	Upper
119	100		
91	59.9	29.6	88.8
134	23.2	11.4	34.1

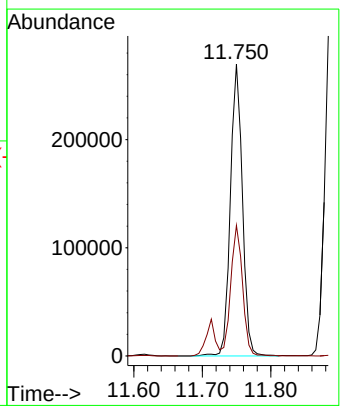


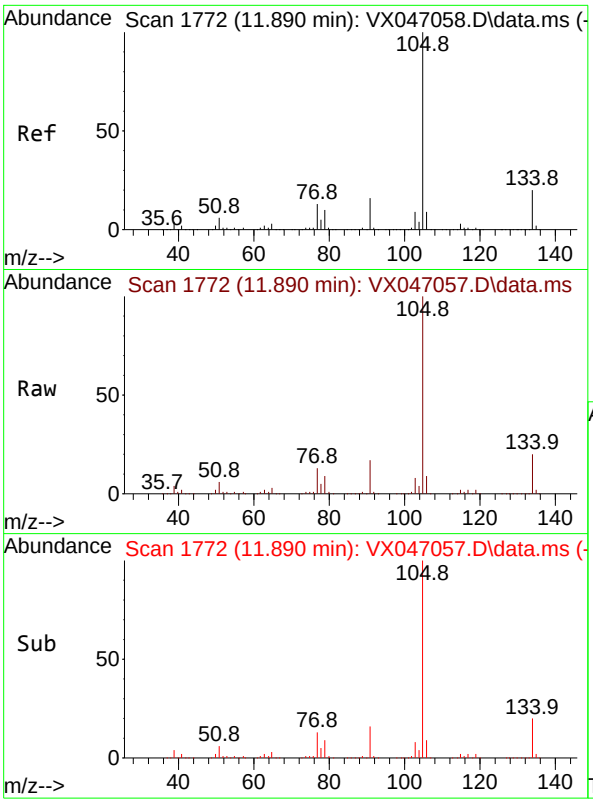


#84
1,2,4-Trimethylbenzene
Concen: 21.010 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:105 Resp: 328672

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.0	66.0



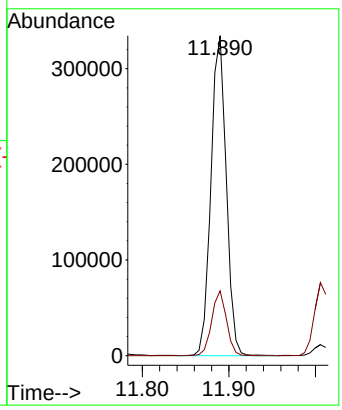


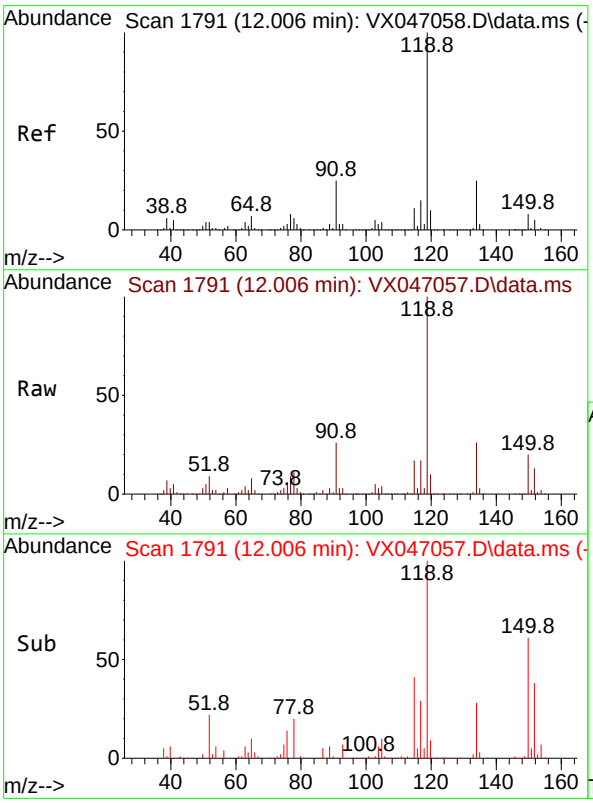
#85
sec-Butylbenzene
Concen: 20.892 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:105 Resp: 410930

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.9	29.7

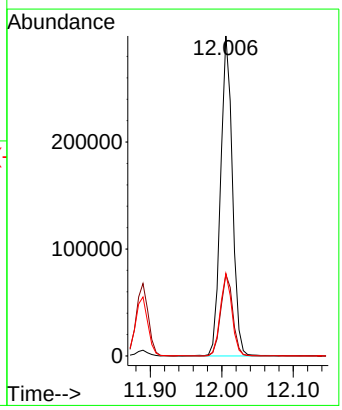


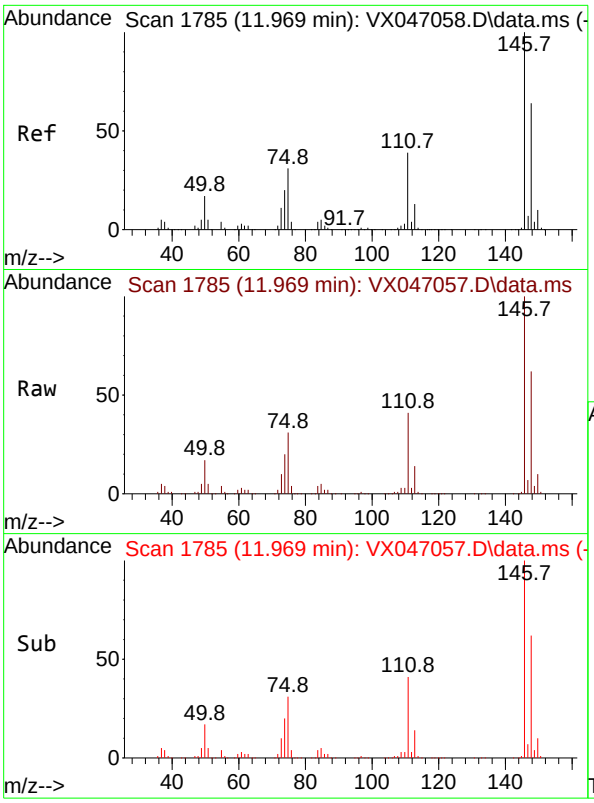


#86
p-Isopropyltoluene
Concen: 21.065 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:119 Resp: 343591

Ion	Ratio	Lower	Upper
119	100		
134	26.1	12.8	38.4
91	25.4	12.4	37.4



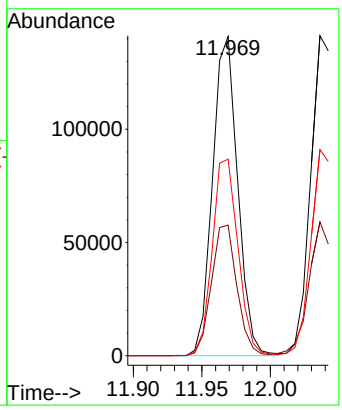


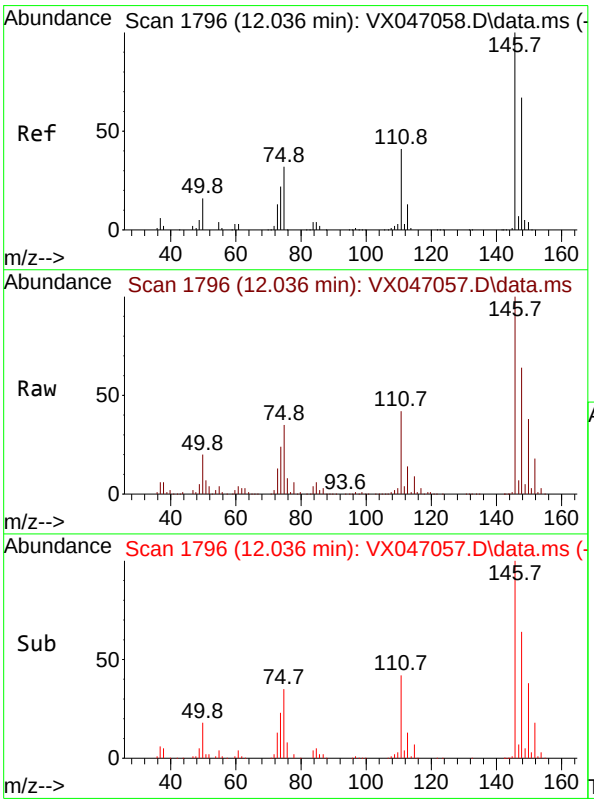
#87
1,3-Dichlorobenzene
Concen: 20.789 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 179867

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	63.3	32.0	96.0

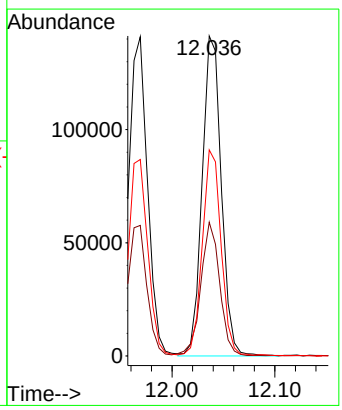


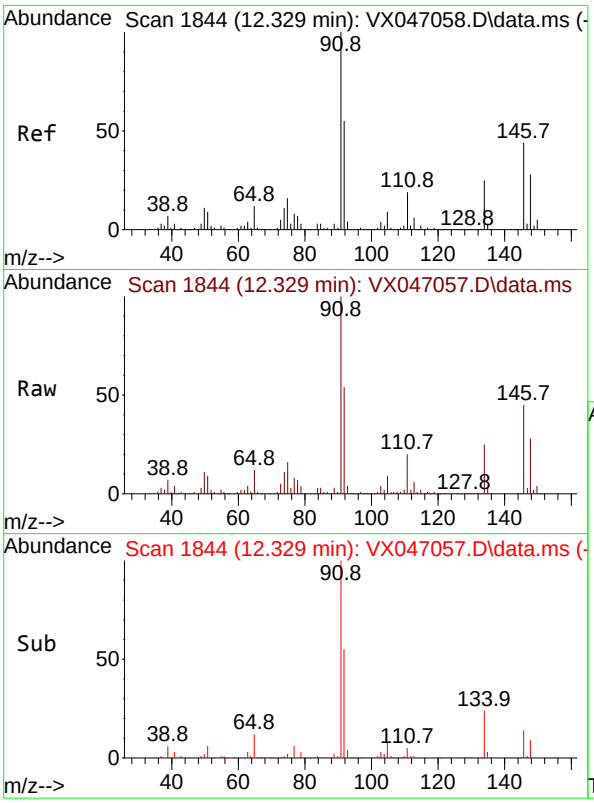


#88
1,4-Dichlorobenzene
Concen: 20.897 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:146 Resp: 183173

Ion	Ratio	Lower	Upper
146	100		
111	41.4	20.6	61.9
148	63.3	33.0	98.9



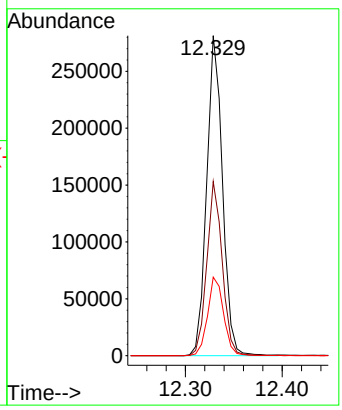


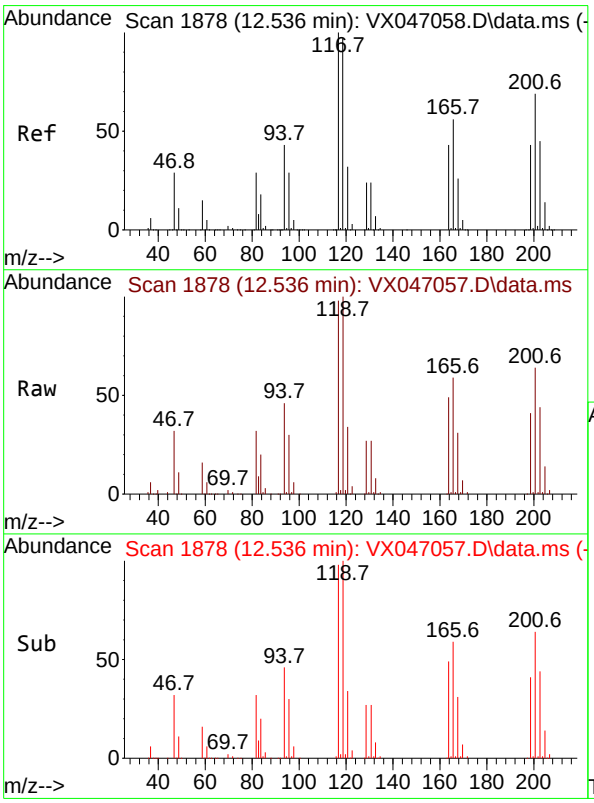
#89
n-Butylbenzene
Concen: 20.916 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion: 91 Resp: 319940

Ion	Ratio	Lower	Upper
91	100		
92	53.1	27.5	82.5
134	25.0	12.8	38.3

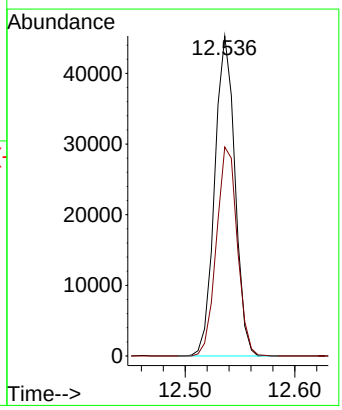


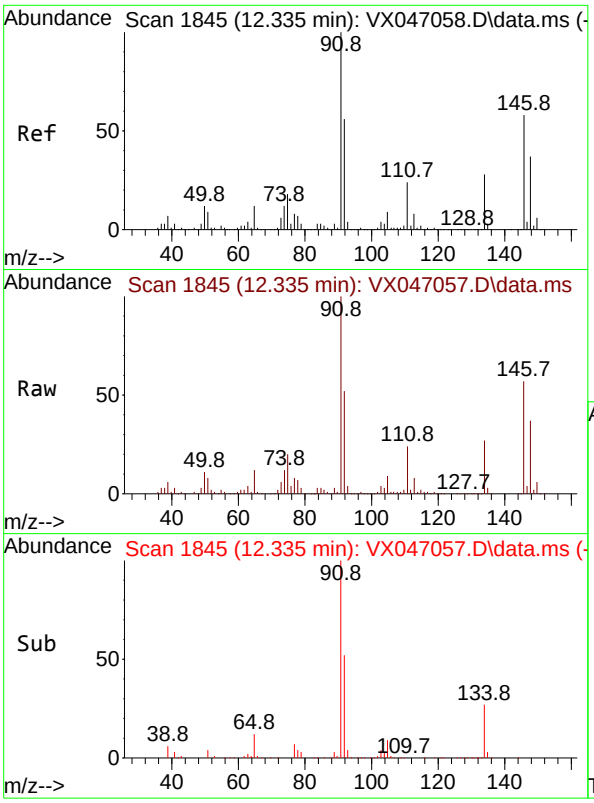


#90
Hexachloroethane
Concen: 19.896 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:117 Resp: 58057

Ion	Ratio	Lower	Upper
117	100		
201	67.5	34.8	104.5



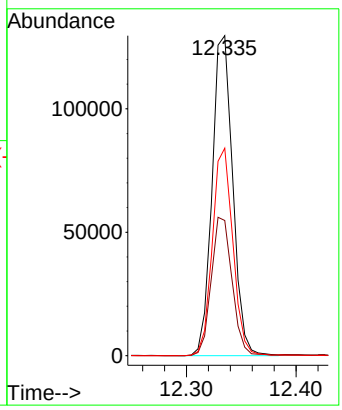


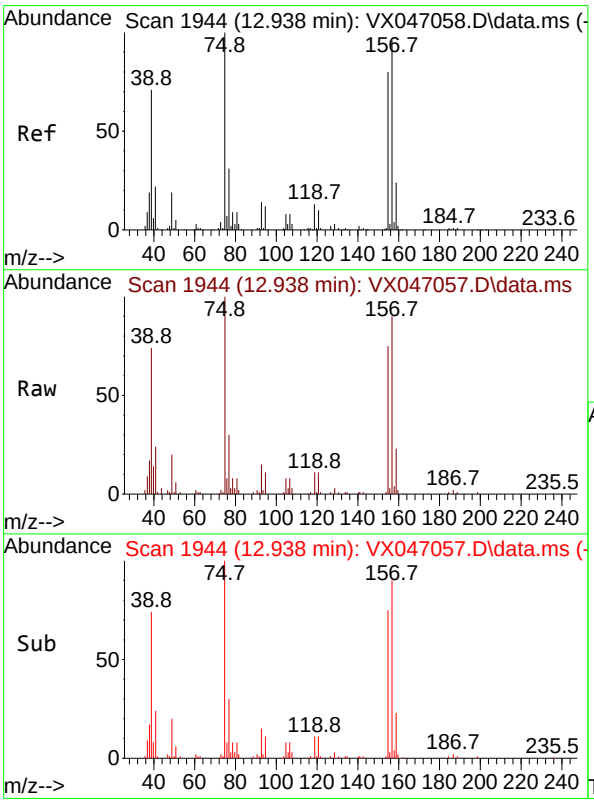
#91
1,2-Dichlorobenzene
Concen: 20.528 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:146 Resp: 169749

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	64.6
148	64.8	31.9	95.7

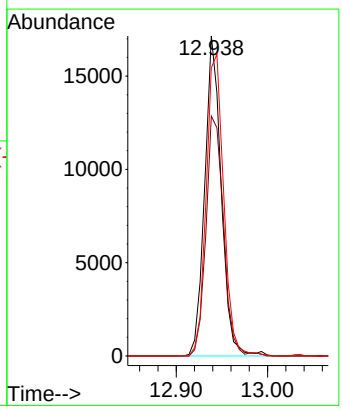


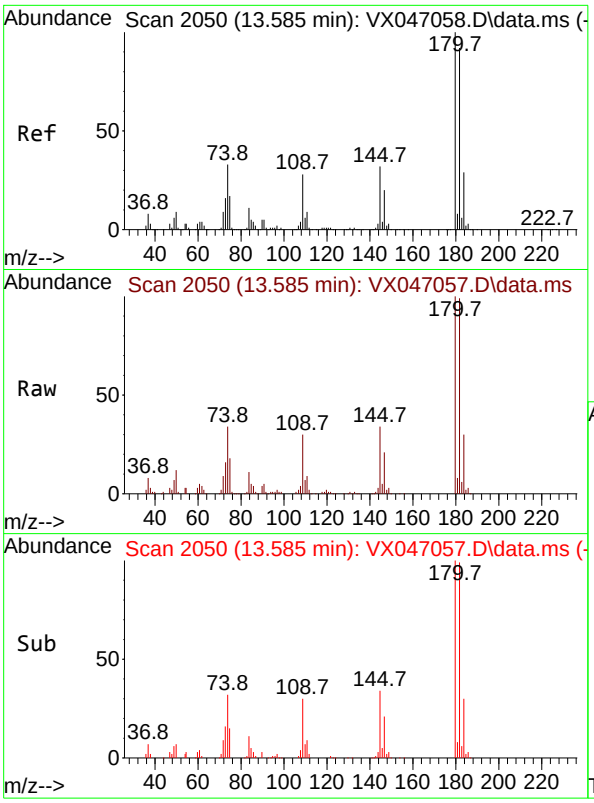


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.585 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion: 75 Resp: 21427

Ion	Ratio	Lower	Upper
75	100		
155	79.9	41.3	124.1
157	99.9	52.8	158.3



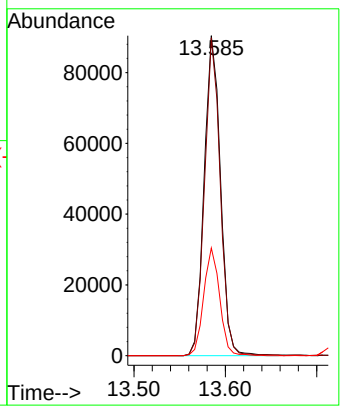


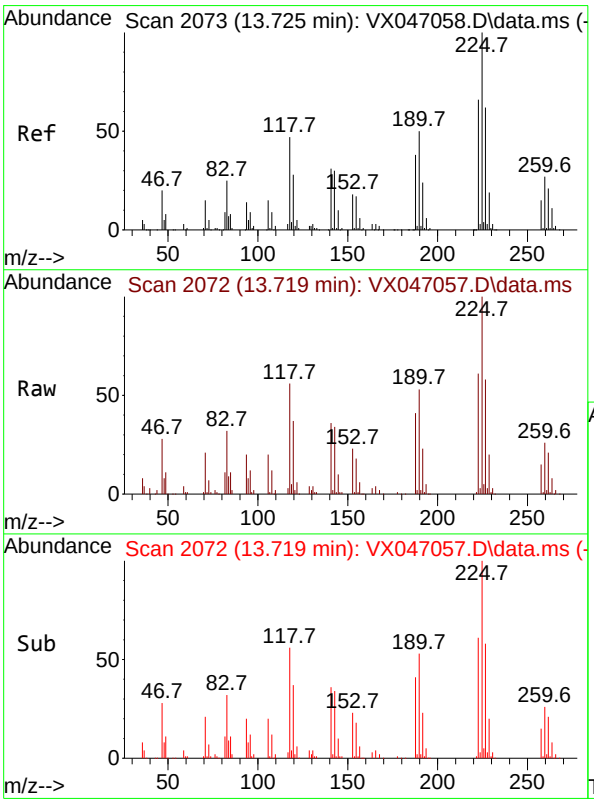
#93
1,2,4-Trichlorobenzene
Concen: 20.413 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:180 Resp: 111525

Ion	Ratio	Lower	Upper
180	100		
182	95.8	47.3	141.8
145	33.0	16.4	49.1

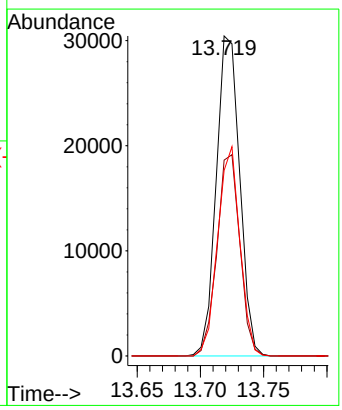


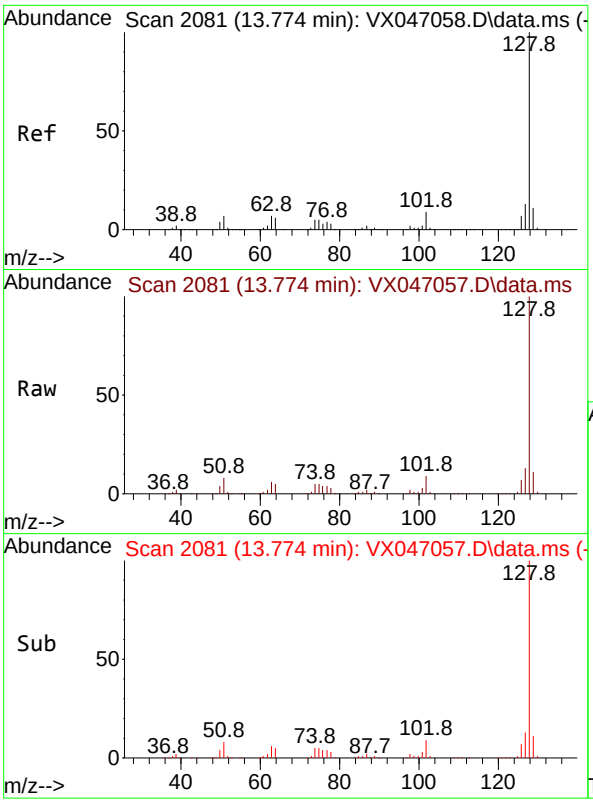


#94
Hexachlorobutadiene
Concen: 21.090 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:225 Resp: 39186

Ion	Ratio	Lower	Upper
225	100		
223	61.5	31.6	95.0
227	62.0	32.9	98.6



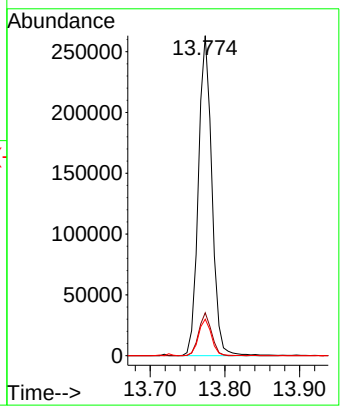


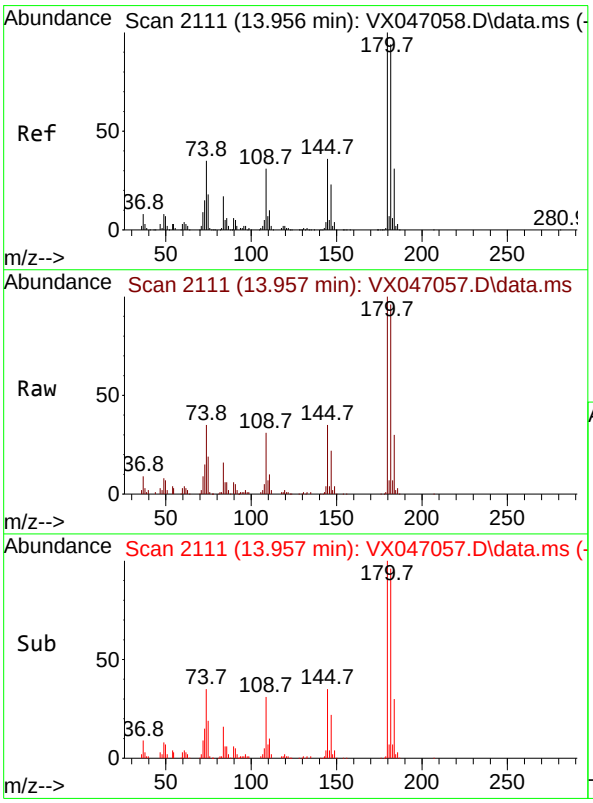
#95
Naphthalene
Concen: 20.581 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Tgt Ion:128 Resp: 329630

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.0	8.6	13.0

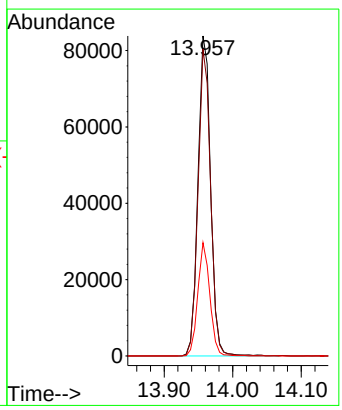




#96
1,2,3-Trichlorobenzene
Concen: 20.432 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047057.D
Acq: 21 Jul 2025 10:29

Tgt Ion:180 Resp: 107542

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.6
145	33.8	17.3	52.0



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	150516	57.494 ug/l	100
42) 1,2-Dichloroethane	6.098	62	297385	53.686 ug/l	100
43) Isopropyl Acetate	6.348	43	438617	56.192 ug/l	100
44) Trichloroethene	7.128	130	216747	53.751 ug/l	100
45) 1,2-Dichloropropane	7.433	63	210862	53.539 ug/l	100
46) Dibromomethane	7.586	93	151672	54.916 ug/l	100
47) Bromodichloromethane	7.823	83	318771	54.225 ug/l	100
48) Methyl methacrylate	7.695	41	227033	53.391 ug/l	100
49) 1,4-Dioxane	7.659	88	53924	1114.967 ug/l	100
51) 4-Methyl-2-Pentanone	8.573	43	1282299	276.384 ug/l	100
52) Toluene	8.720	92	524916	54.288 ug/l	100
53) t-1,3-Dichloropropene	8.976	75	305568	55.044 ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	337057	55.475 ug/l	100
55) 1,1,2-Trichloroethane	9.152	97	194314	53.587 ug/l	100
56) Ethyl methacrylate	9.116	69	307494	57.281 ug/l	100
57) 1,3-Dichloropropane	9.305	76	337106	53.491 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	833190	278.917 ug/l	100
59) 2-Hexanone	9.427	43	886635	289.252 ug/l	100
60) Dibromochloromethane	9.518	129	229147	53.881 ug/l	100
61) 1,2-Dibromoethane	9.610	107	204078	53.823 ug/l	100
64) Tetrachloroethene	9.274	164	174727	52.173 ug/l	100
65) Chlorobenzene	10.079	112	571696	52.530 ug/l	100
66) 1,1,1,2-Tetrachloroethane	10.164	131	194777	53.158 ug/l	100
67) Ethyl Benzene	10.195	91	1023986	53.812 ug/l	100
68) m/p-Xylenes	10.299	106	759689	106.683 ug/l	100
69) o-Xylene	10.640	106	364689	53.834 ug/l	100
70) Styrene	10.652	104	632474	54.447 ug/l	100
71) Bromoform	10.798	173	150938	54.228 ug/l	100
73) Isopropylbenzene	10.963	105	964411	54.621 ug/l	100
74) N-amyl acetate	10.841	43	399297	56.697 ug/l	100
75) 1,1,2,2-Tetrachloroethane	11.213	83	270685	53.670 ug/l	100
76) 1,2,3-Trichloropropane	11.237	75	294731	71.150 ug/l	83
77) Bromobenzene	11.195	156	227531	53.727 ug/l	100
78) n-propylbenzene	11.304	91	1145472	54.290 ug/l	100
79) 2-Chlorotoluene	11.359	91	677779	53.739 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	788518	54.057 ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	87538	54.445 ug/l	100
82) 4-Chlorotoluene	11.451	91	798628	54.249 ug/l	100
83) tert-Butylbenzene	11.713	119	802592	54.819 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	800479	55.018 ug/l	100
85) sec-Butylbenzene	11.890	105	984328	53.809 ug/l	100
86) p-Isopropyltoluene	12.006	119	829044	54.651 ug/l	100
87) 1,3-Dichlorobenzene	11.969	146	427108	53.079 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	423743	51.978 ug/l	100
89) n-Butylbenzene	12.329	91	773506	54.372 ug/l	100
90) Hexachloroethane	12.536	117	146577	54.011 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	408192	53.076 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.938	75	53563	55.328 ug/l	100
93) 1,2,4-Trichlorobenzene	13.585	180	274012	53.926 ug/l	100
94) Hexachlorobutadiene	13.725	225	90816	52.553 ug/l	100
95) Naphthalene	13.774	128	839990	56.390 ug/l	100
96) 1,2,3-Trichlorobenzene	13.956	180	262282	53.580 ug/l	100

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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

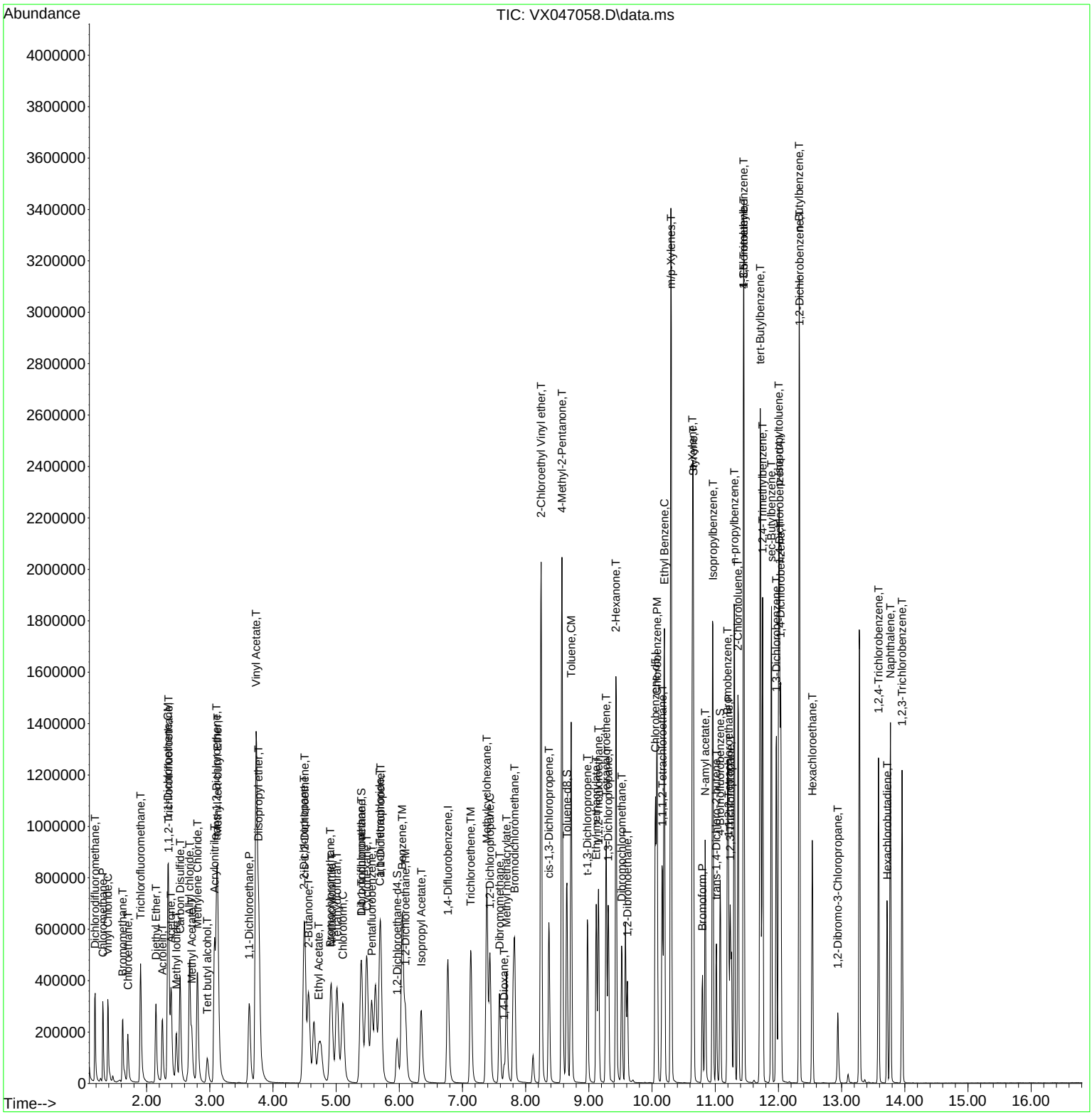
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

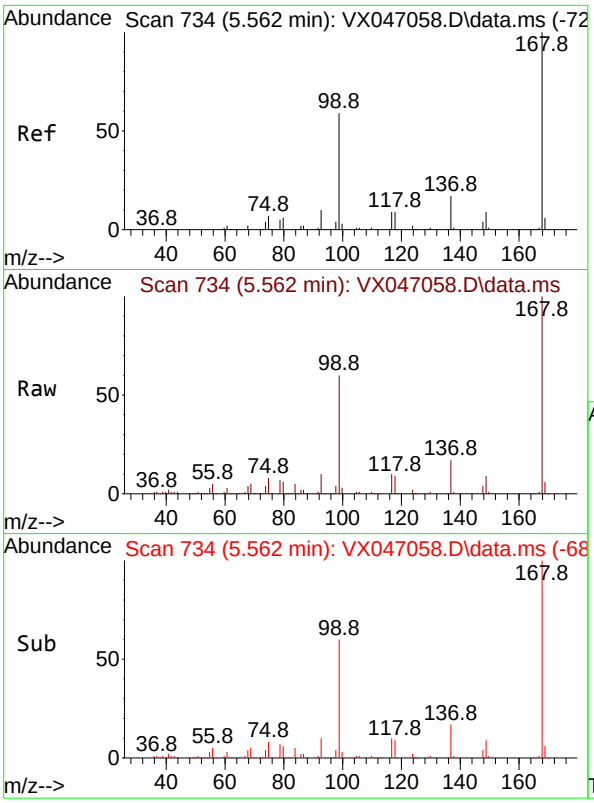
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

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



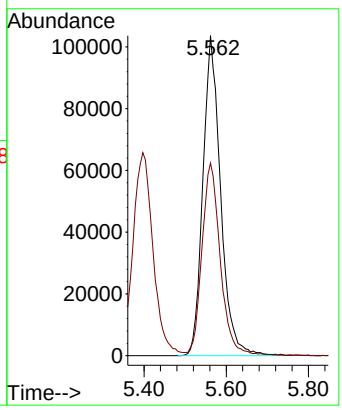


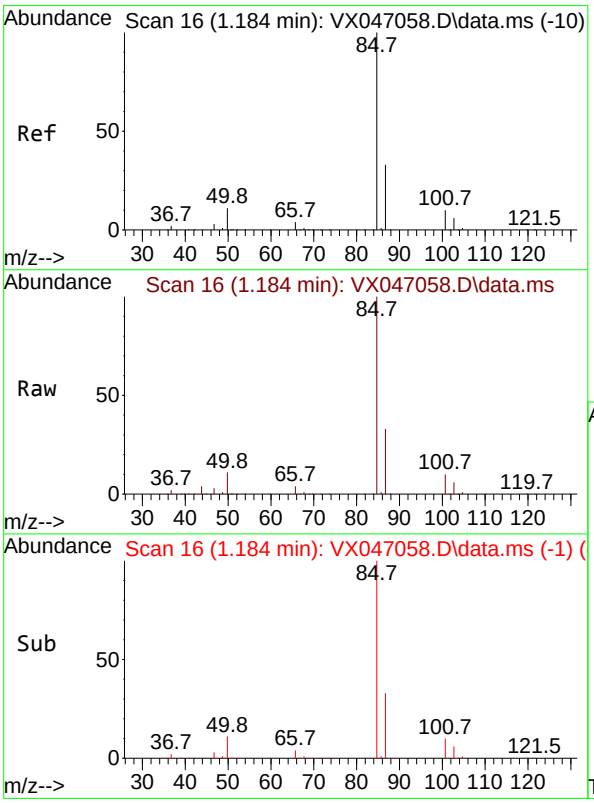
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:168 Resp: 309883

Ion	Ratio	Lower	Upper
168	100		
99	60.0	48.0	72.0

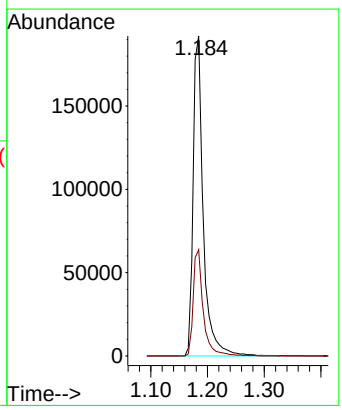


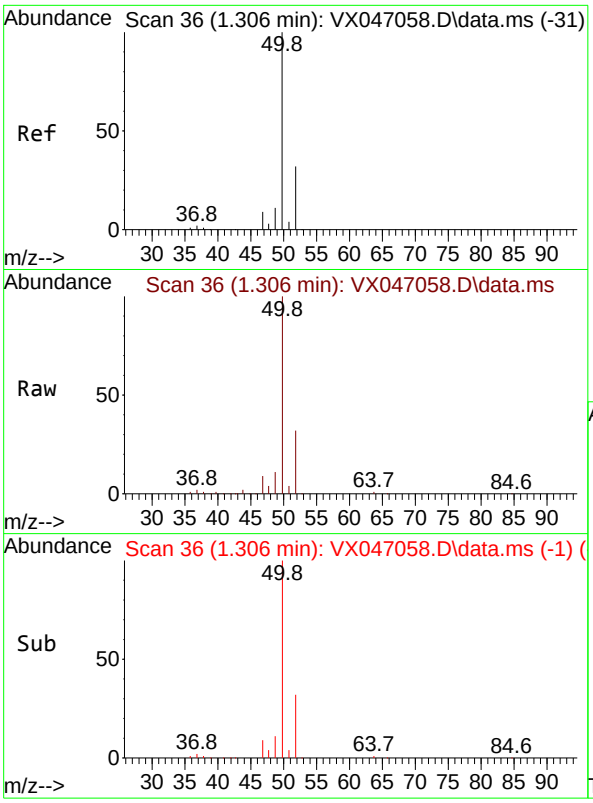


#2
Dichlorodifluoromethane
Concen: 57.844 ug/l
RT: 1.184 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 85 Resp: 238090

Ion	Ratio	Lower	Upper
85	100		
87	33.2	16.6	49.8



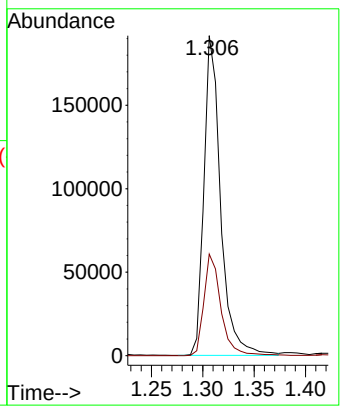


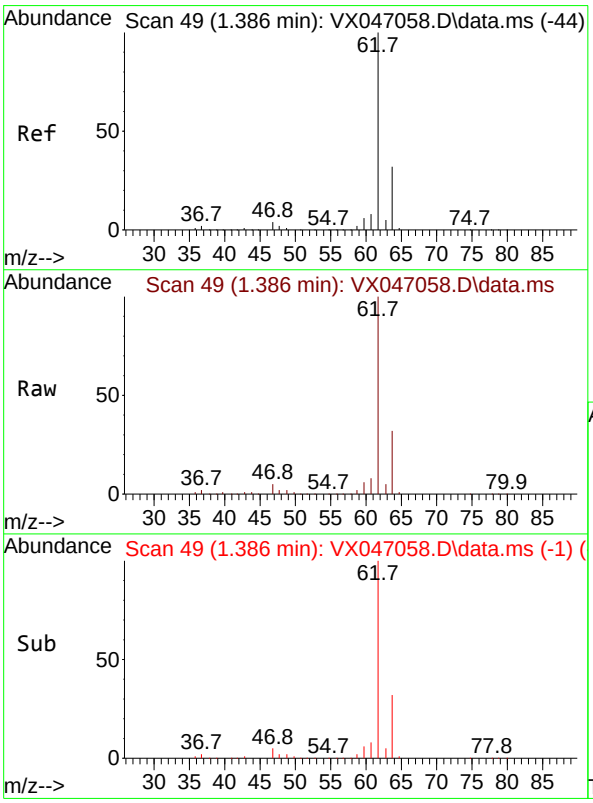
#3
Chloromethane
Concen: 53.219 ug/l
RT: 1.306 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 50 Resp: 216682

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2

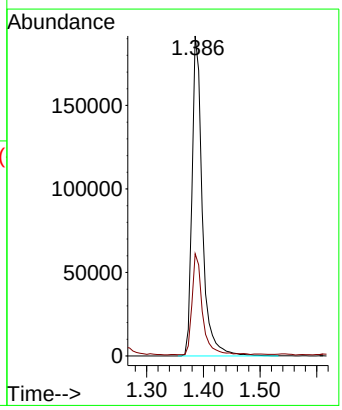


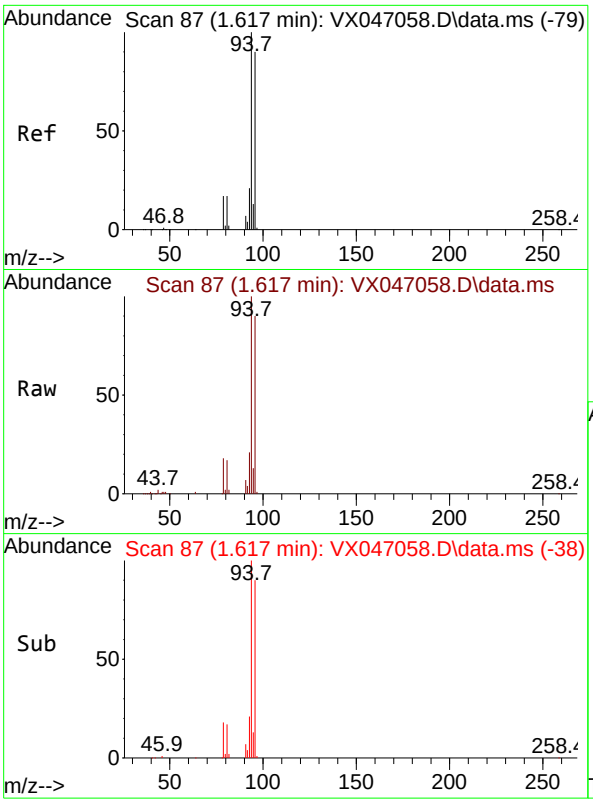


#4
Vinyl Chloride
Concen: 55.216 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 62 Resp: 241663

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8



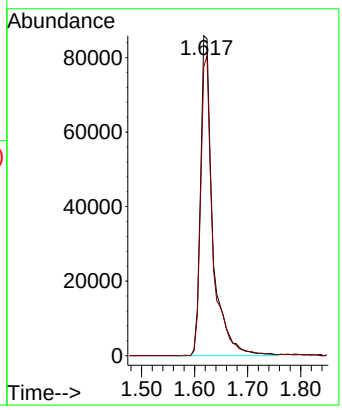


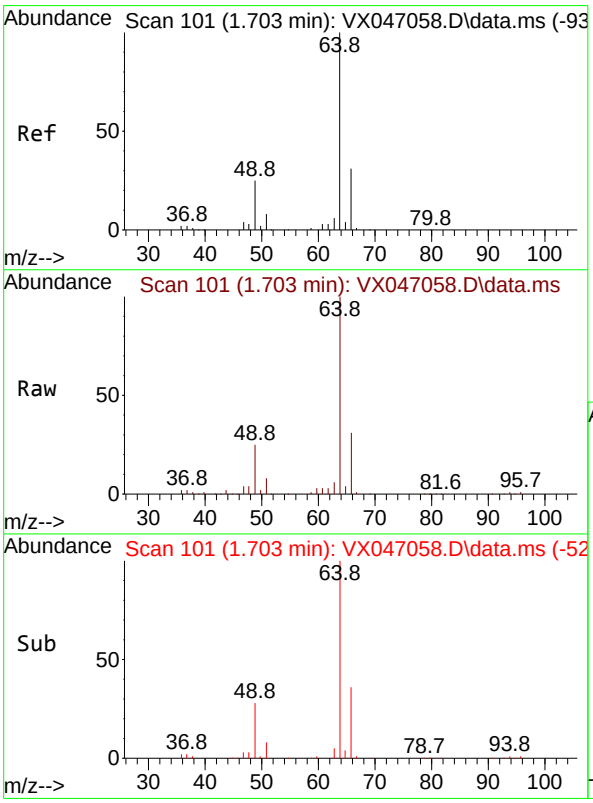
#5
Bromomethane
Concen: 58.354 ug/l
RT: 1.617 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 94 Resp: 138734

Ion	Ratio	Lower	Upper
94	100		
96	90.4	72.3	108.5

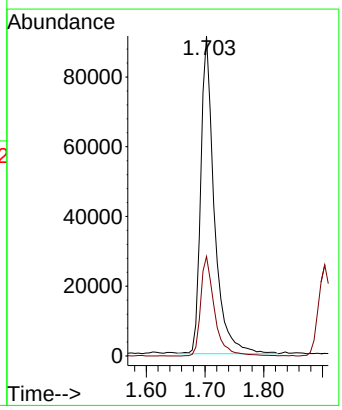


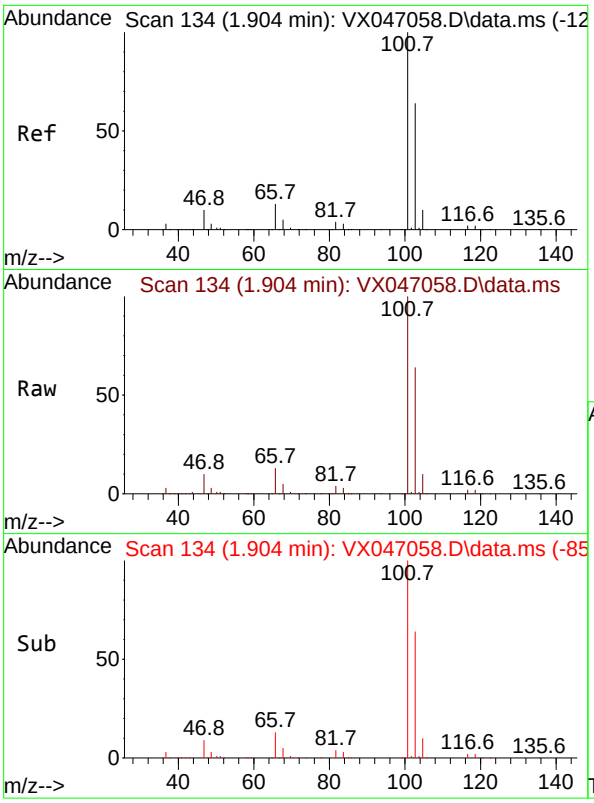


#6
Chloroethane
Concen: 50.714 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 64 Resp: 145779

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.0	37.6



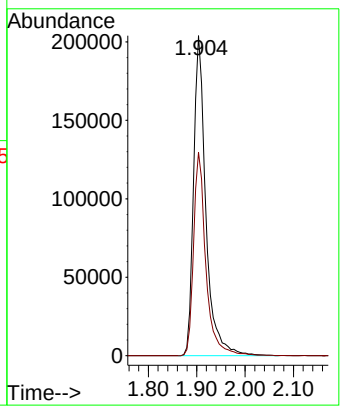


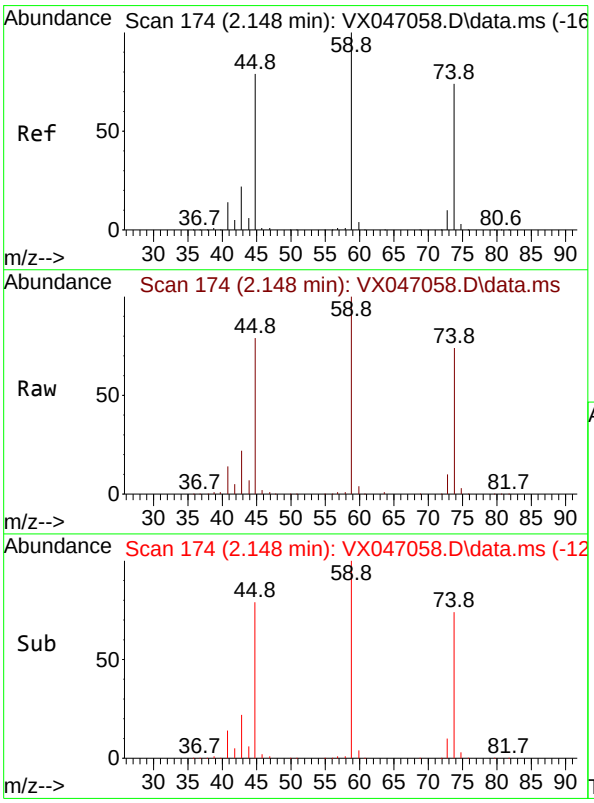
#7
Trichlorofluoromethane
Concen: 54.994 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 358904

Ion	Ratio	Lower	Upper
101	100		
103	63.6	50.9	76.3

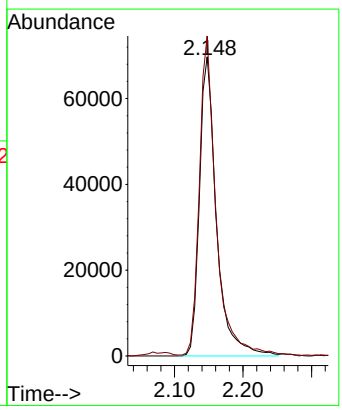


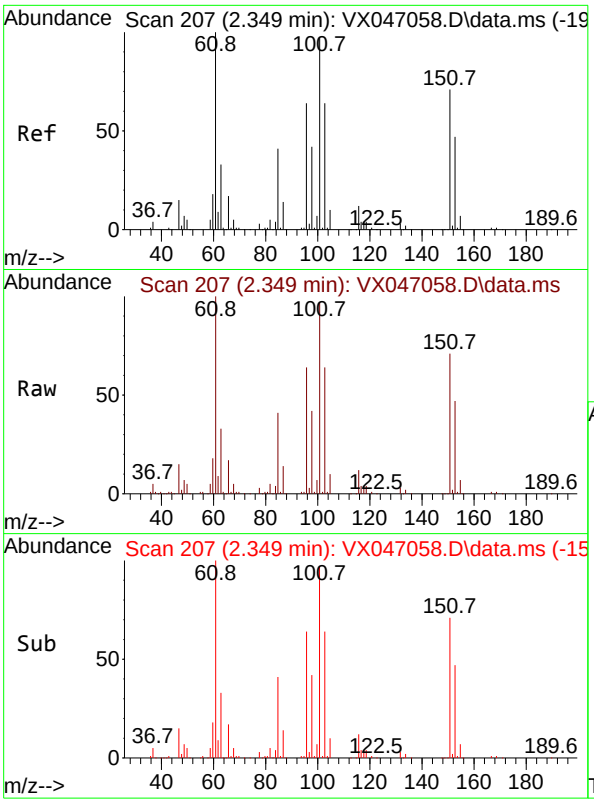


#8
Diethyl Ether
Concen: 52.535 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 74 Resp: 120887

Ion	Ratio	Lower	Upper
74	100		
45	106.0	53.0	159.0



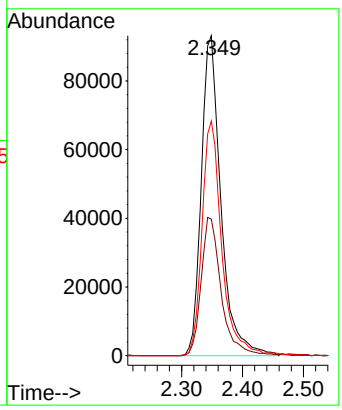


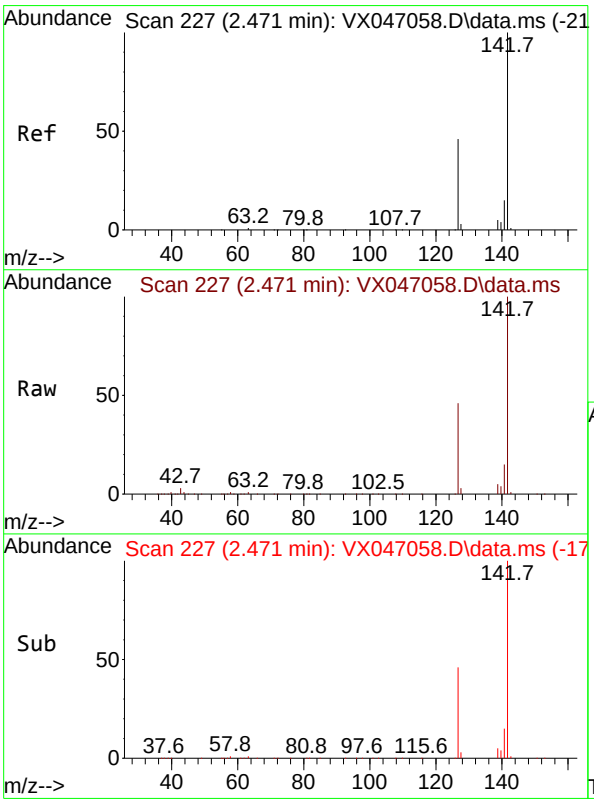
#9
1,1,2-Trichlorotrifluoroethane
Concen: 53.194 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:101 Resp: 209152

Ion	Ratio	Lower	Upper
101	100		
85	44.2	35.4	53.0
151	74.0	59.2	88.8

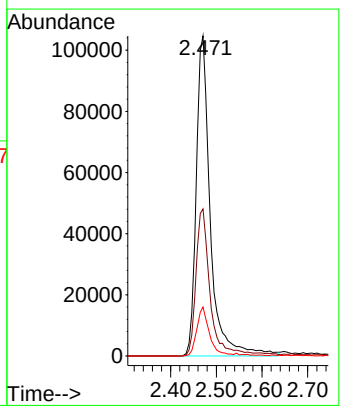


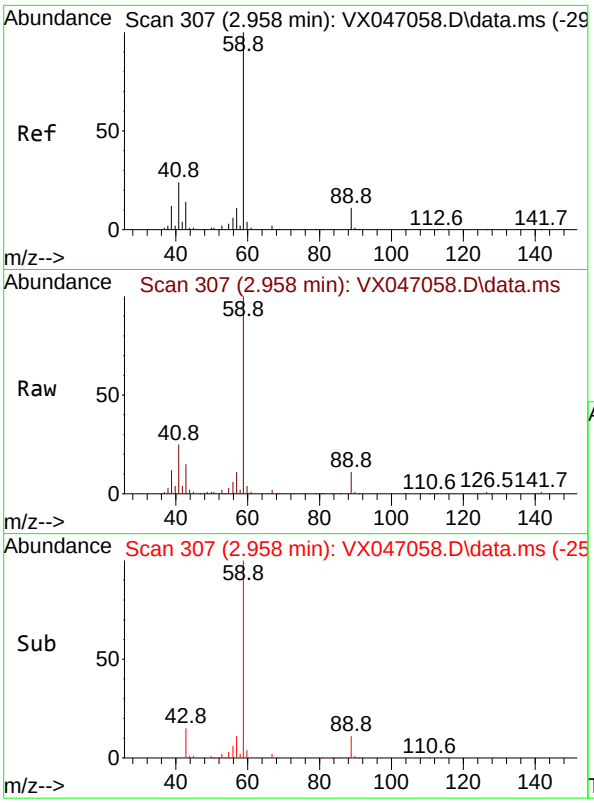


#10
Methyl Iodide
Concen: 56.237 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:142 Resp: 225356

Ion	Ratio	Lower	Upper
142	100		
127	45.7	36.6	54.8
141	13.6	10.9	16.3



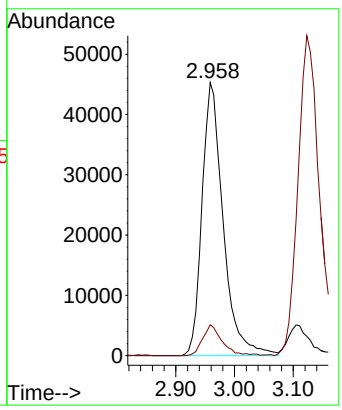


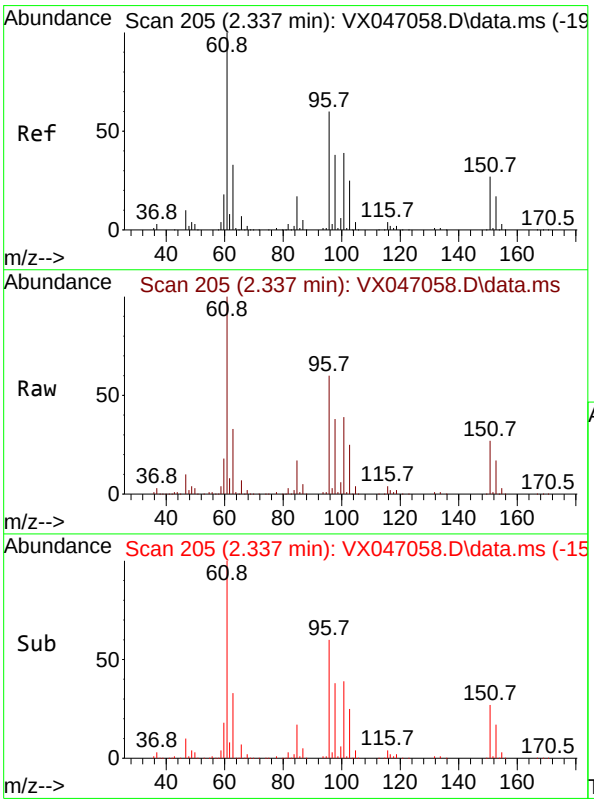
#11
Tert butyl alcohol
Concen: 251.629 ug/l
RT: 2.958 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 59 Resp: 113517

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

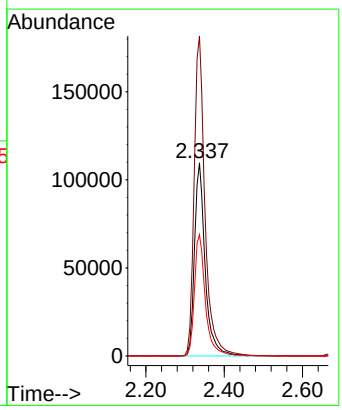


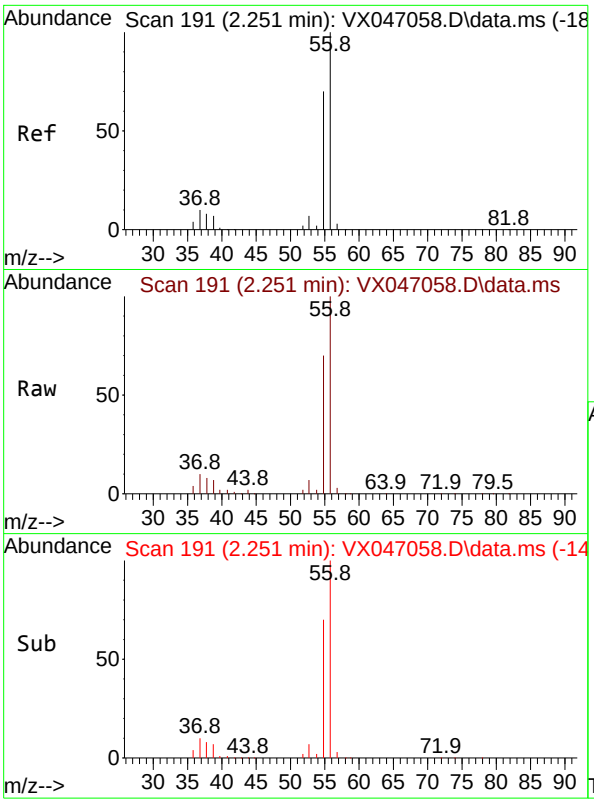


#12
1,1-Dichloroethene
Concen: 53.640 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 96 Resp: 208894

Ion	Ratio	Lower	Upper
96	100		
61	165.7	132.6	198.8
98	62.8	50.2	75.4



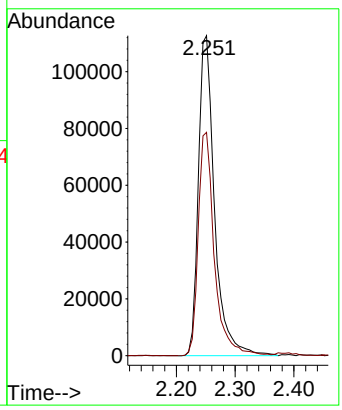


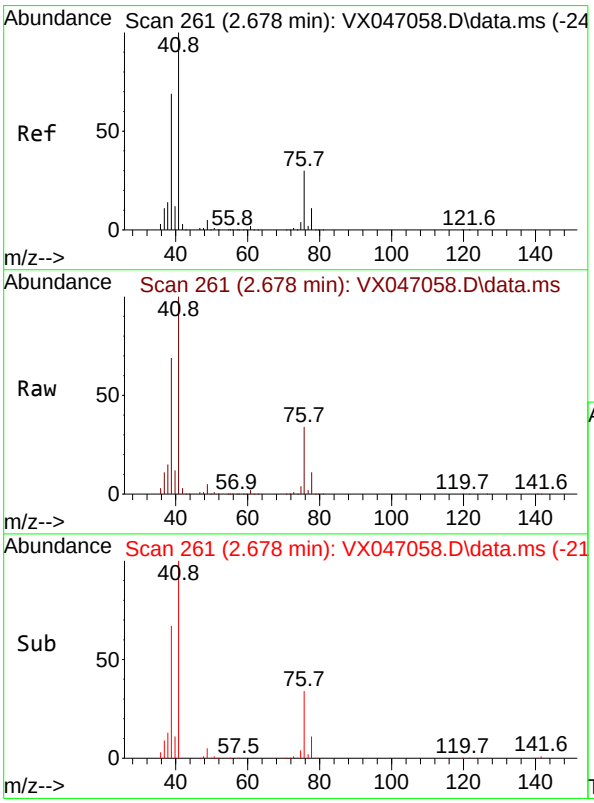
#13
Acrolein
Concen: 258.372 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 214749

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5

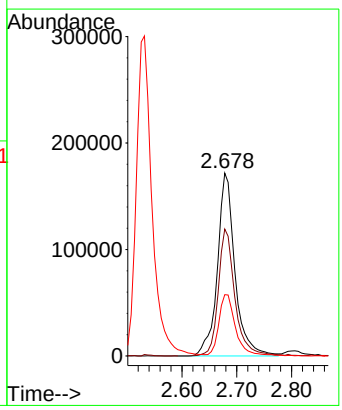


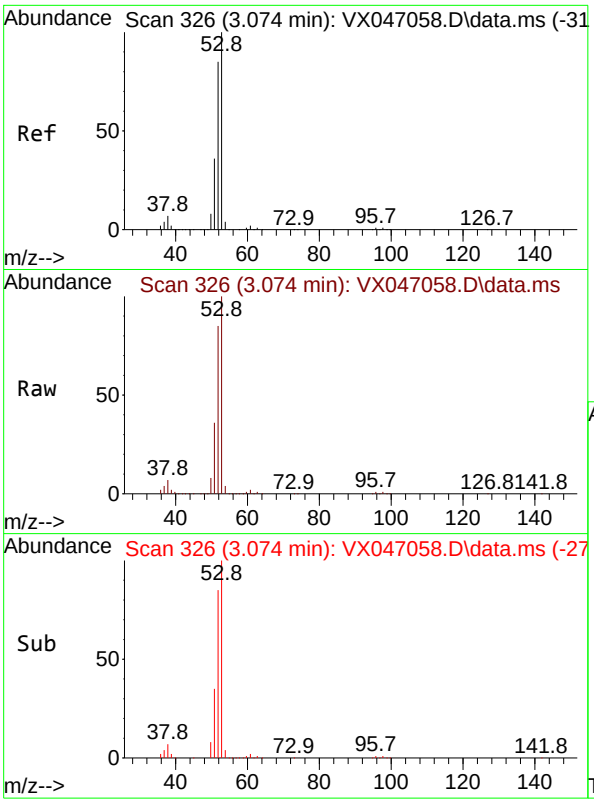


#14
Allyl chloride
Concen: 54.528 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 41 Resp: 383854

Ion	Ratio	Lower	Upper
41	100		
39	65.7	52.6	78.8
76	32.1	25.7	38.5



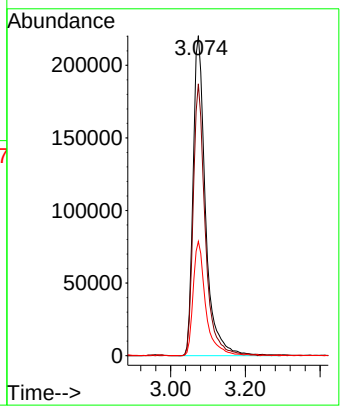


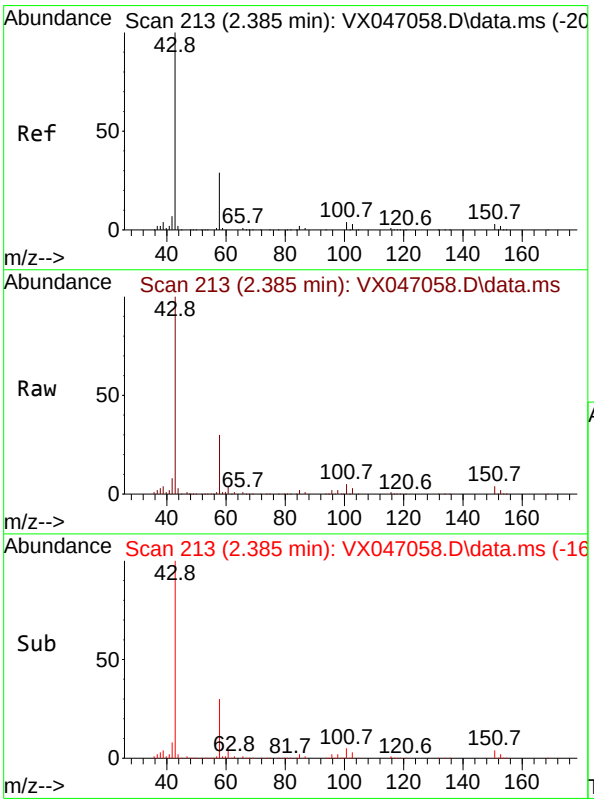
#15
Acrylonitrile
Concen: 277.051 ug/l
RT: 3.074 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 53 Resp: 510056

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	36.0	28.8	43.2

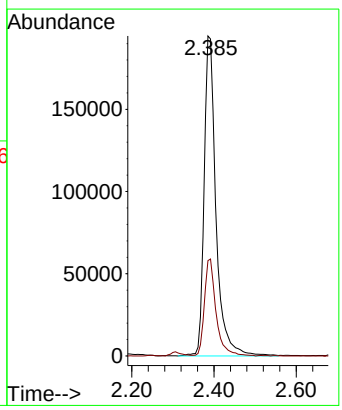


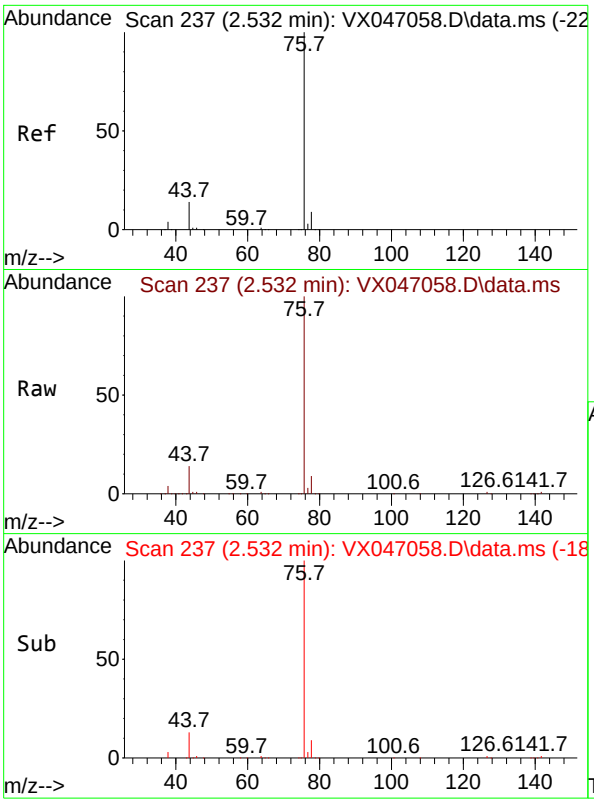


#16
Acetone
Concen: 252.239 ug/l
RT: 2.385 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 43 Resp: 390060

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.0	36.0



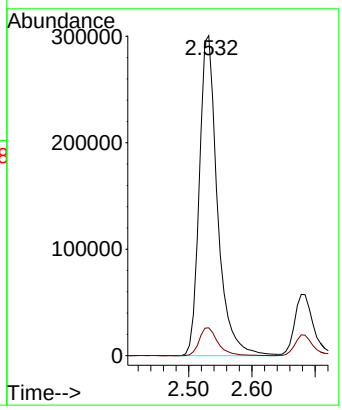


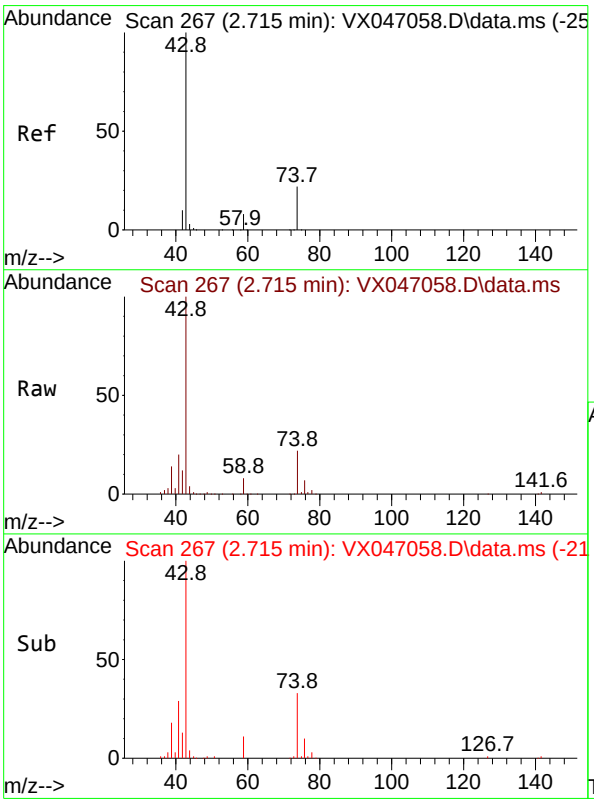
#17
Carbon Disulfide
Concen: 53.261 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 600045

Ion	Ratio	Lower	Upper
76	100		
78	8.7	7.0	10.4

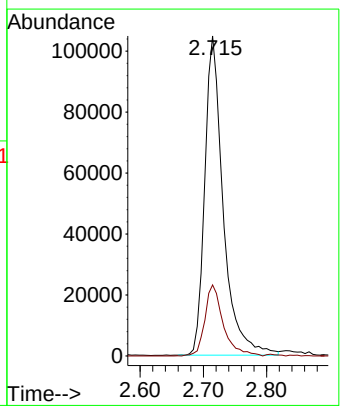


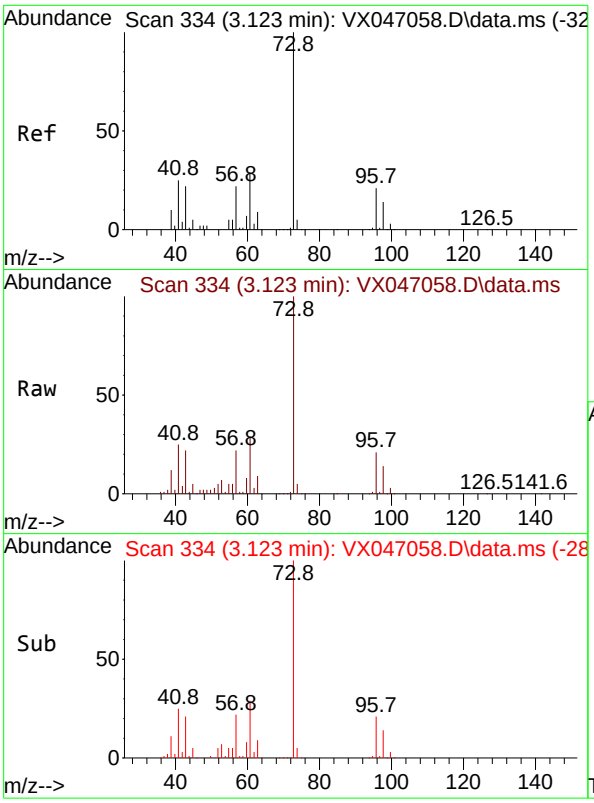


#18
Methyl Acetate
Concen: 51.848 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 43 Resp: 213070

Ion	Ratio	Lower	Upper
43	100		
74	22.1	17.7	26.5



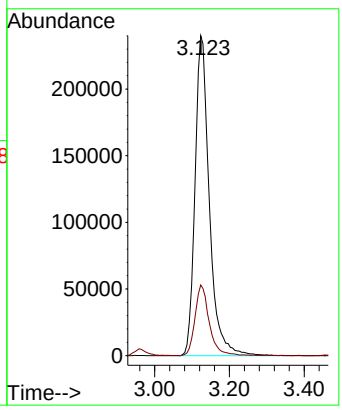


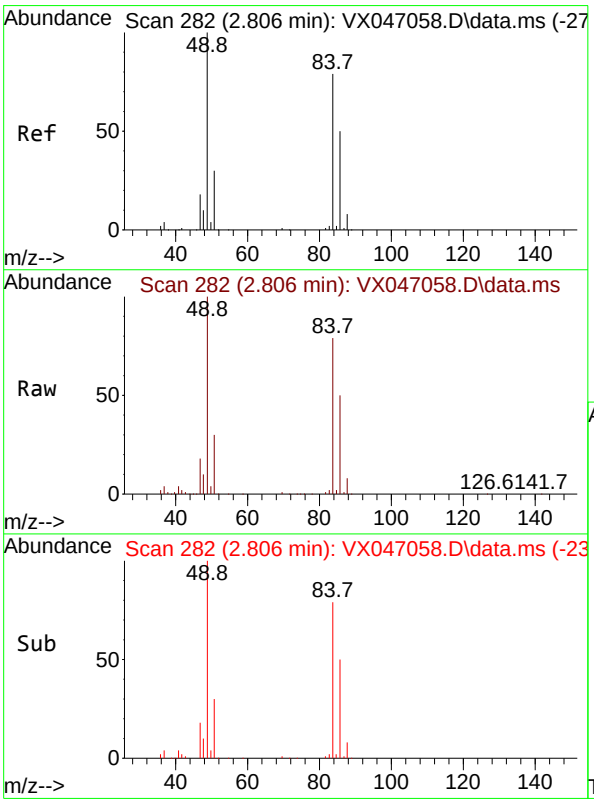
#19
Methyl tert-butyl Ether
Concen: 53.721 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 73 Resp: 636699

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

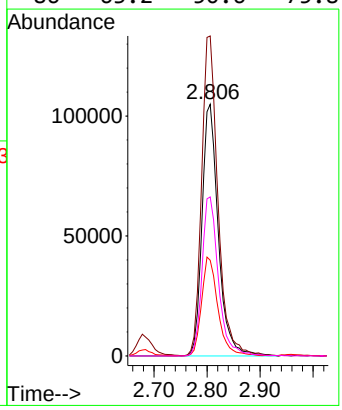


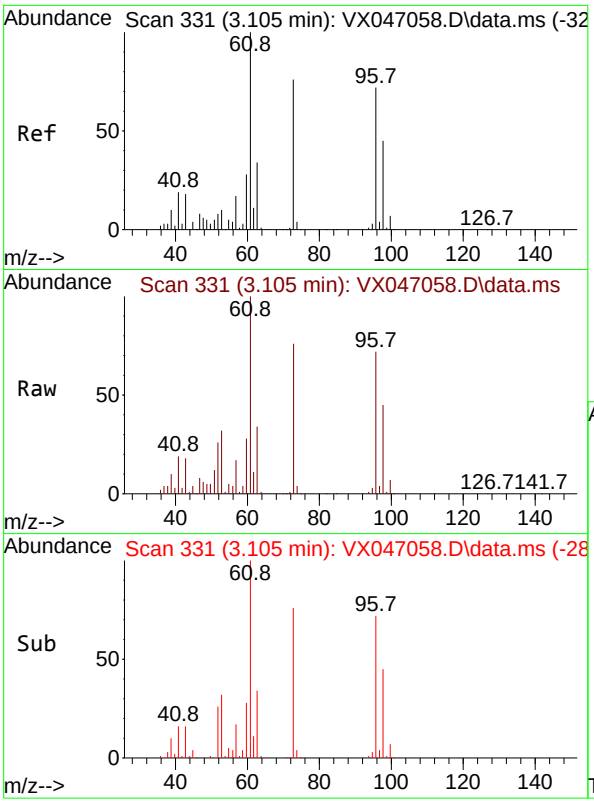


#20
Methylene Chloride
Concen: 52.585 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 84 Resp: 223713

Ion	Ratio	Lower	Upper
84	100		
49	127.0	101.6	152.4
51	37.9	30.3	45.5
86	63.2	50.6	75.8



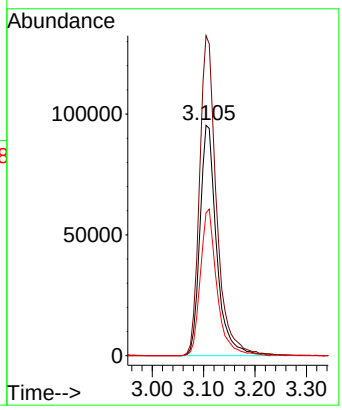


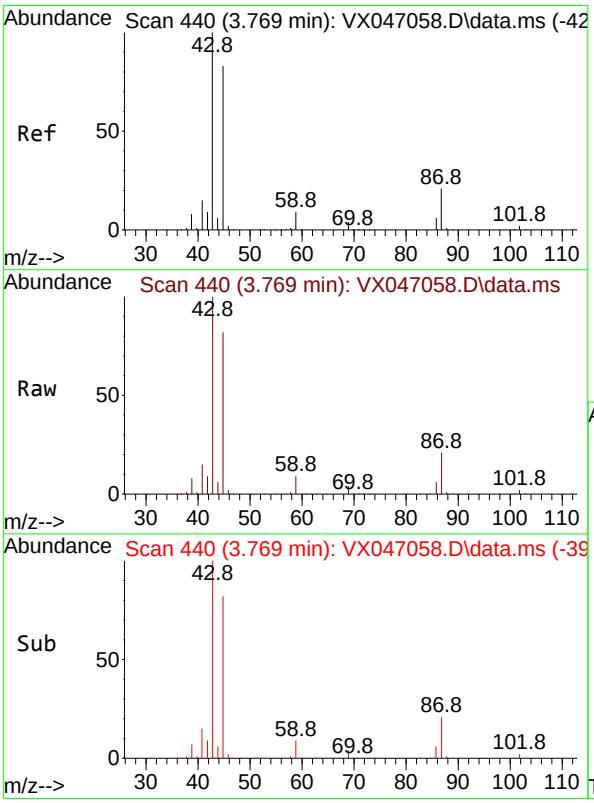
#21
trans-1,2-Dichloroethene
Concen: 54.049 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 215393

Ion	Ratio	Lower	Upper
96	100		
61	138.9	111.1	166.7
98	62.0	49.6	74.4

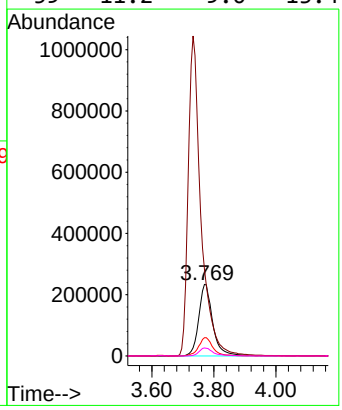


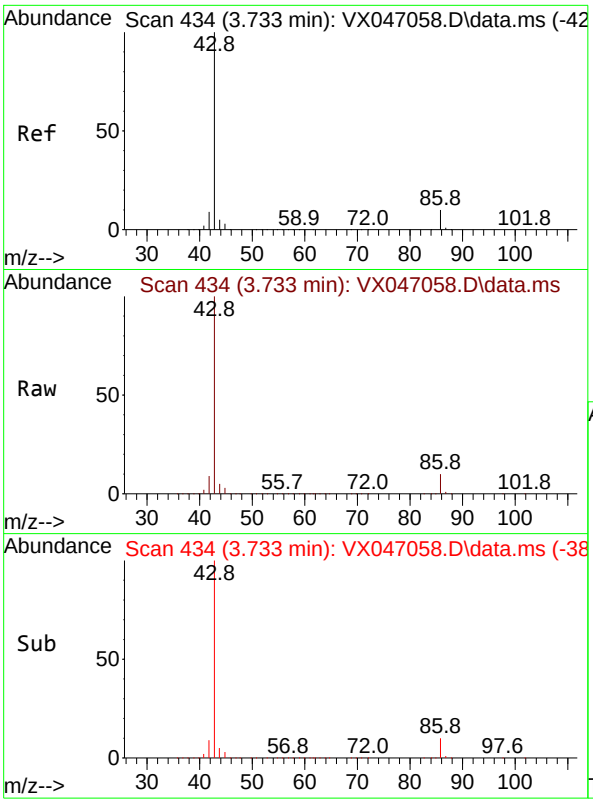


#22
Diisopropyl ether
Concen: 54.083 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 45 Resp: 731970

Ion	Ratio	Lower	Upper
45	100		
43	121.0	96.8	145.2
87	25.6	20.5	30.7
59	11.2	9.0	13.4



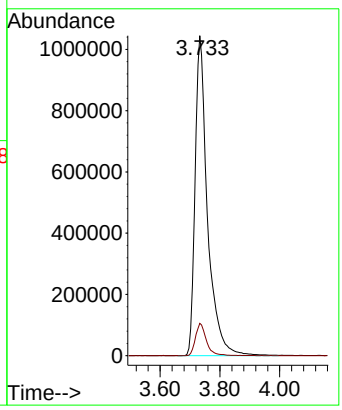


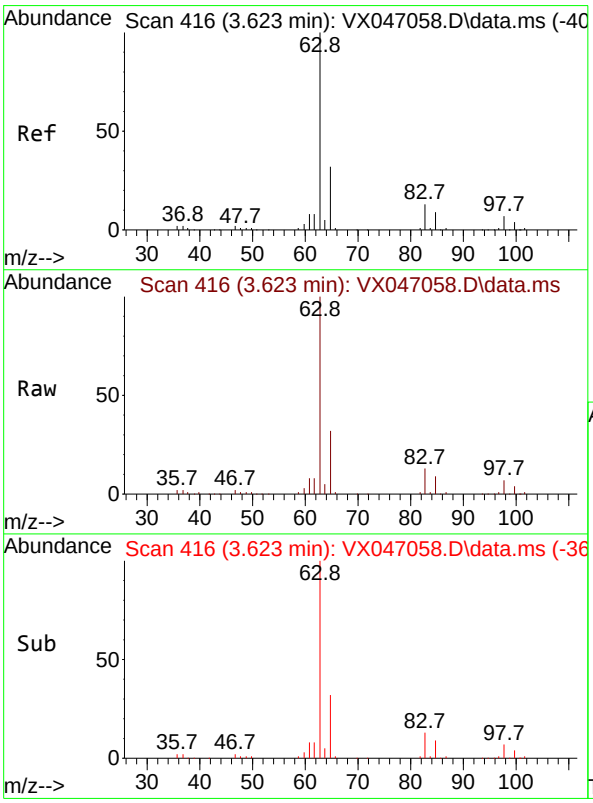
#23
Vinyl Acetate
Concen: 276.847 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 3005277

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

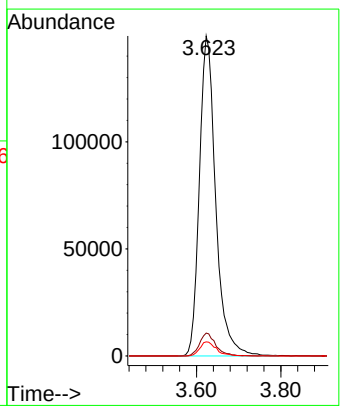


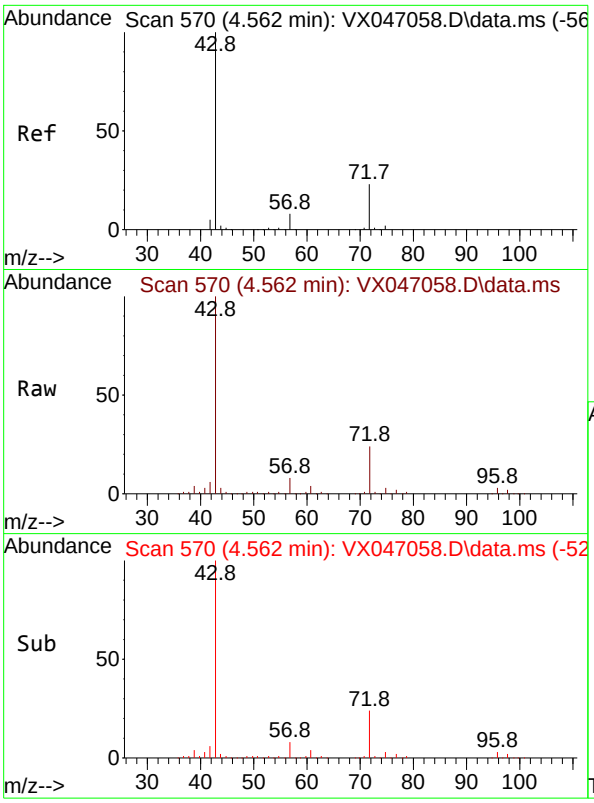


#24
1,1-Dichloroethane
Concen: 53.522 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 63 Resp: 402810

Ion	Ratio	Lower	Upper
63	100		
98	7.2	3.6	10.8
100	4.5	2.3	6.8



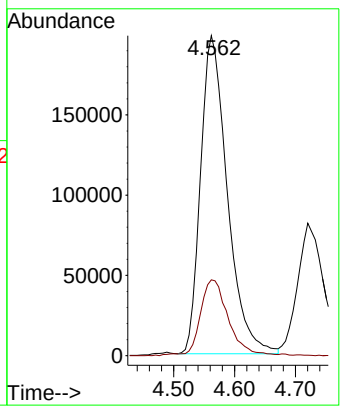


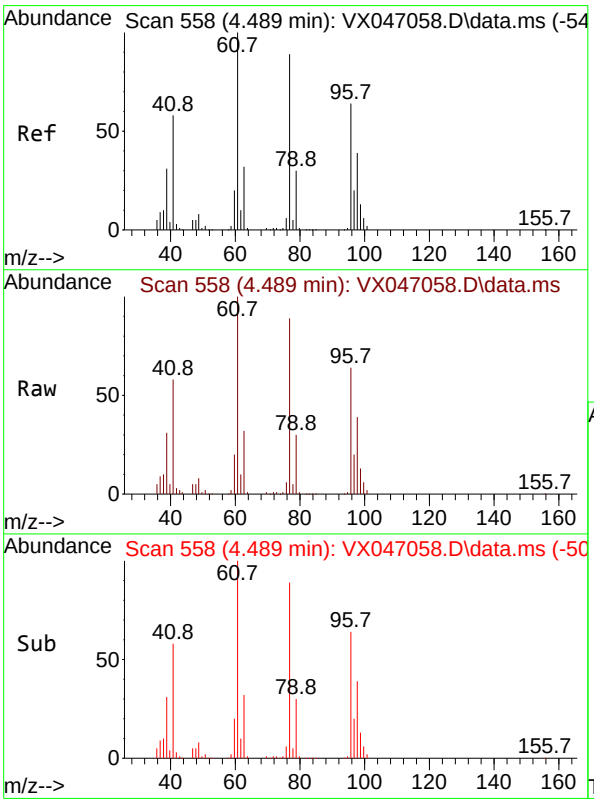
#25
2-Butanone
Concen: 268.961 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 605614

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.8	28.2

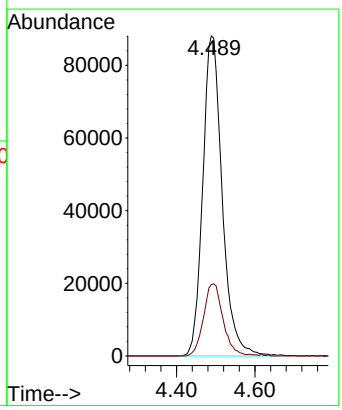


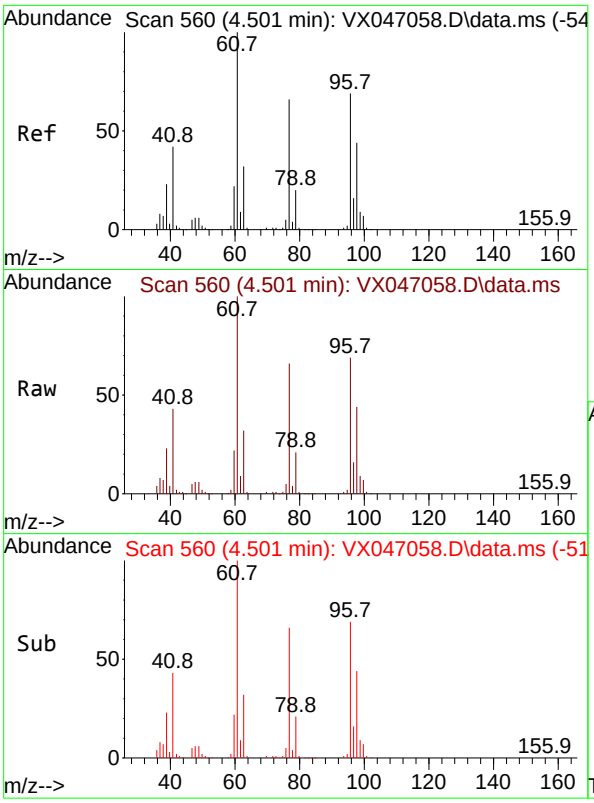


#26
2,2-Dichloropropane
Concen: 52.081 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 77 Resp: 303417

Ion	Ratio	Lower	Upper
77	100		
97	22.7	11.4	34.1



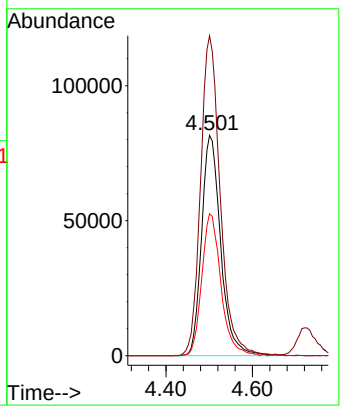


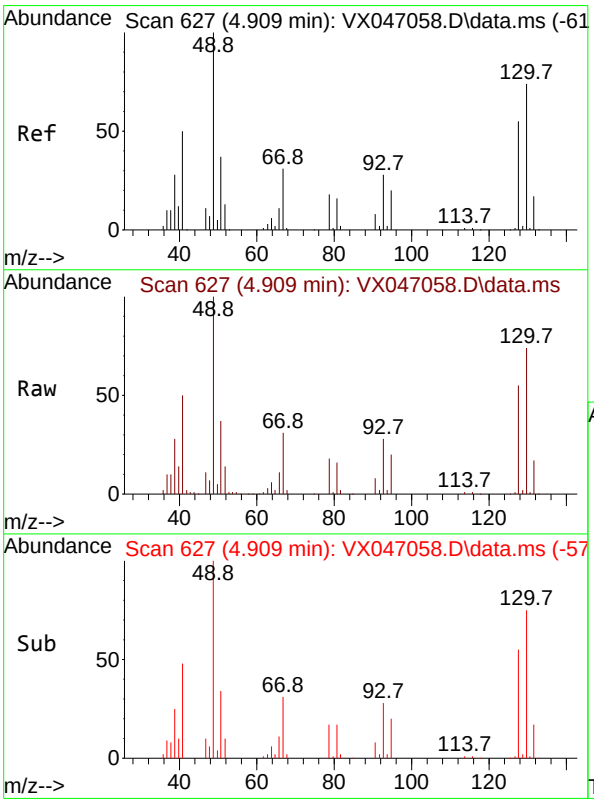
#27
cis-1,2-Dichloroethene
Concen: 53.001 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 96 Resp: 250112

Ion	Ratio	Lower	Upper
96	100		
61	149.3	0.0	298.6
98	64.4	0.0	128.8

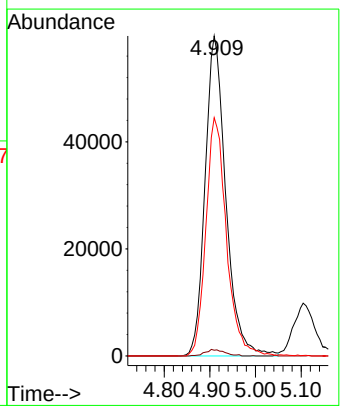


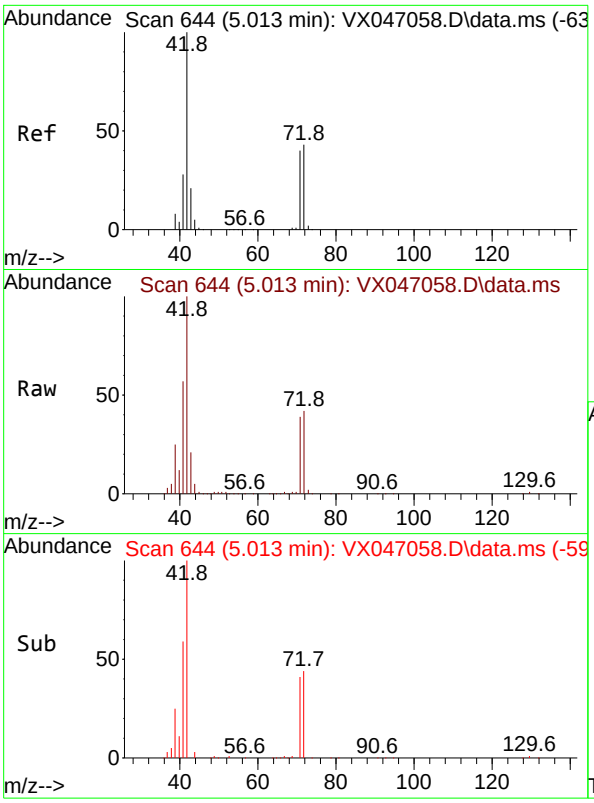


#28
Bromochloromethane
Concen: 54.536 ug/l
RT: 4.909 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 49 Resp: 188828

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.7	59.0	88.4



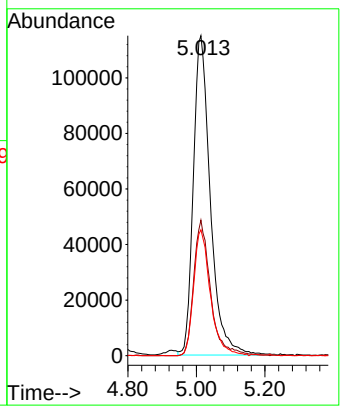


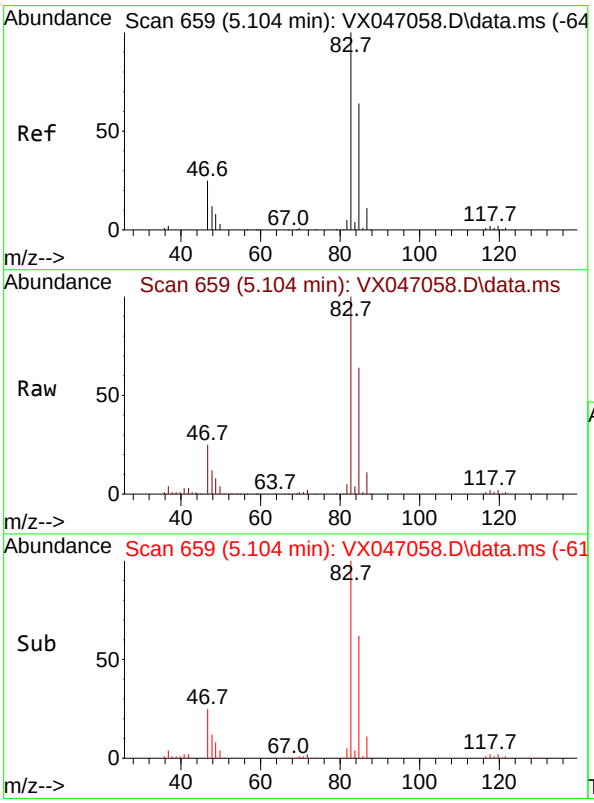
#29
Tetrahydrofuran
Concen: 273.532 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 42 Resp: 397391

Ion	Ratio	Lower	Upper
42	100		
72	42.1	33.7	50.5
71	38.7	31.0	46.4

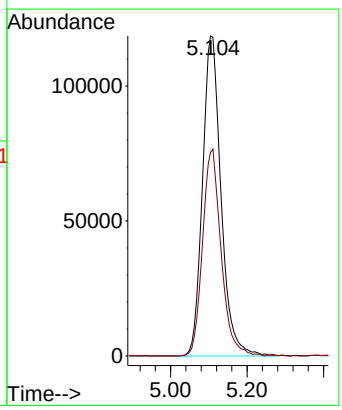


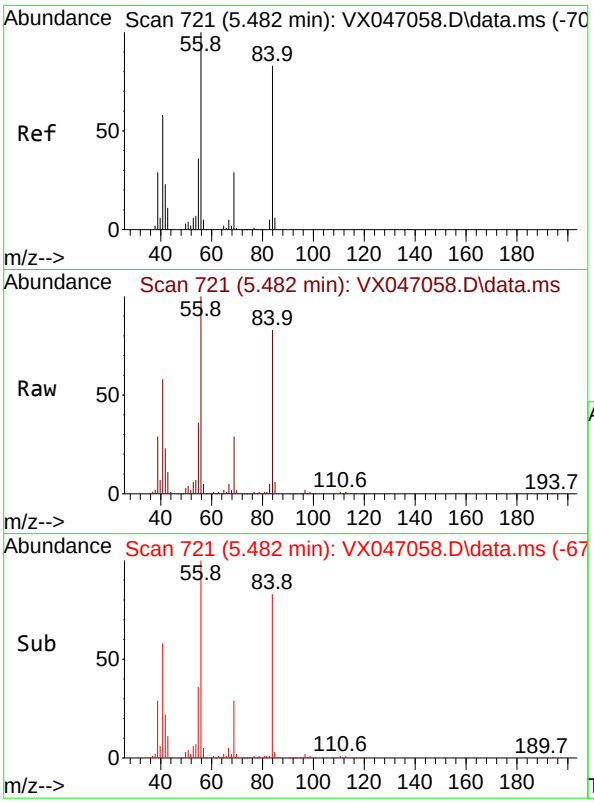


#30
Chloroform
Concen: 52.141 ug/l
RT: 5.104 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 83 Resp: 399454

Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3



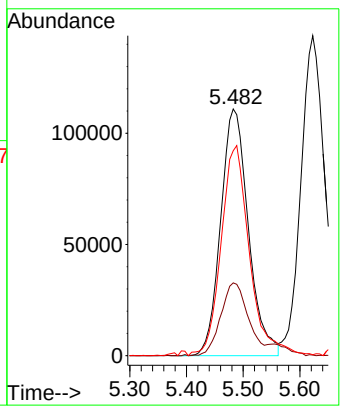


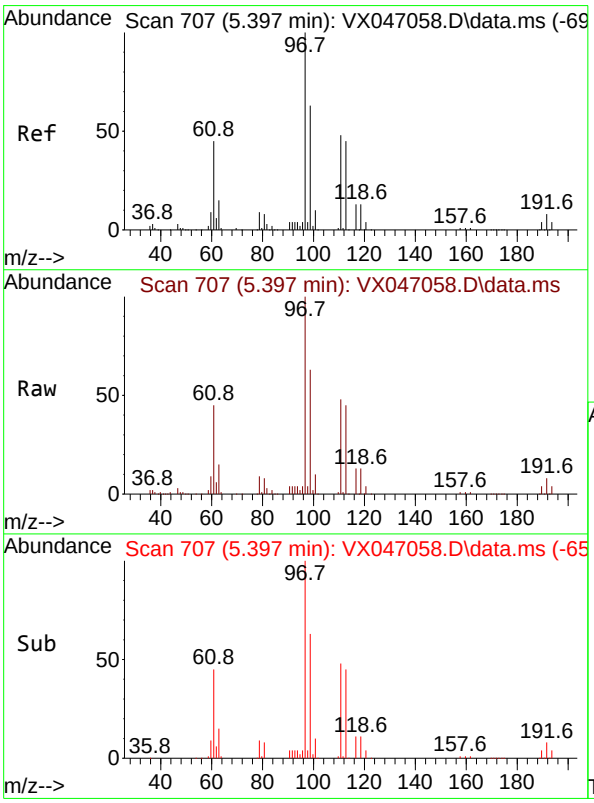
#31
Cyclohexane
Concen: 52.159 ug/l
RT: 5.482 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 56 Resp: 376396

Ion	Ratio	Lower	Upper
56	100		
69	29.1	23.3	34.9
84	83.1	66.5	99.7

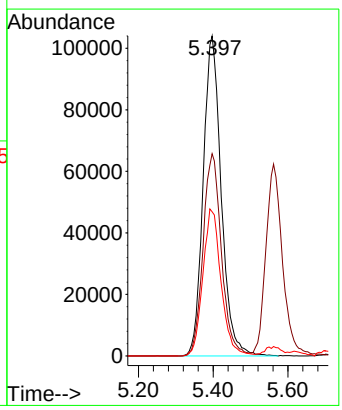


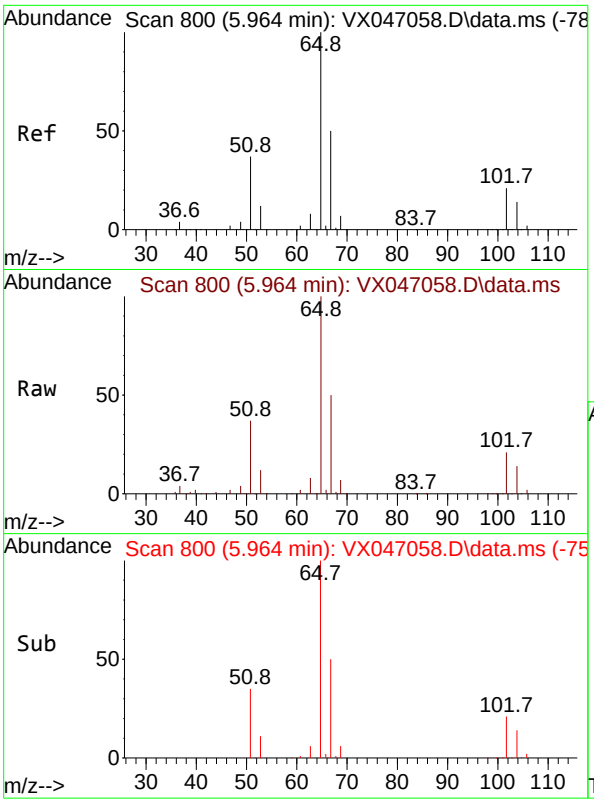


#32
1,1,1-Trichloroethane
Concen: 52.462 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 97 Resp: 349090

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	46.4	37.1	55.7



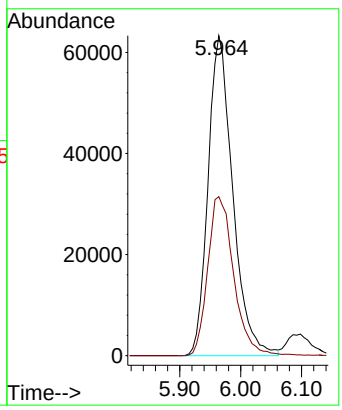


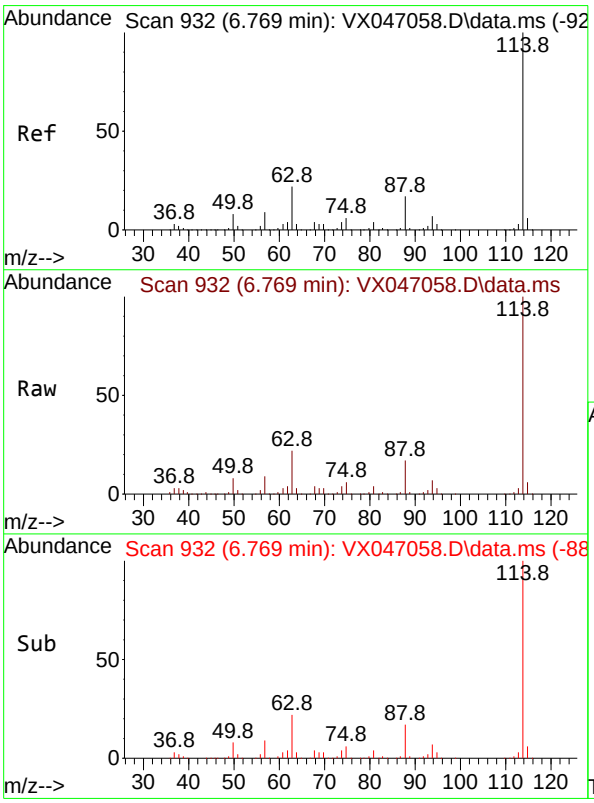
#33
1,2-Dichloroethane-d4
Concen: 46.193 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 65 Resp: 178313

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.8

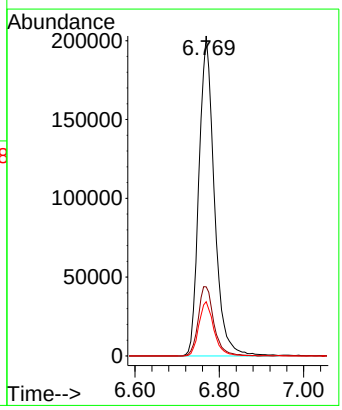


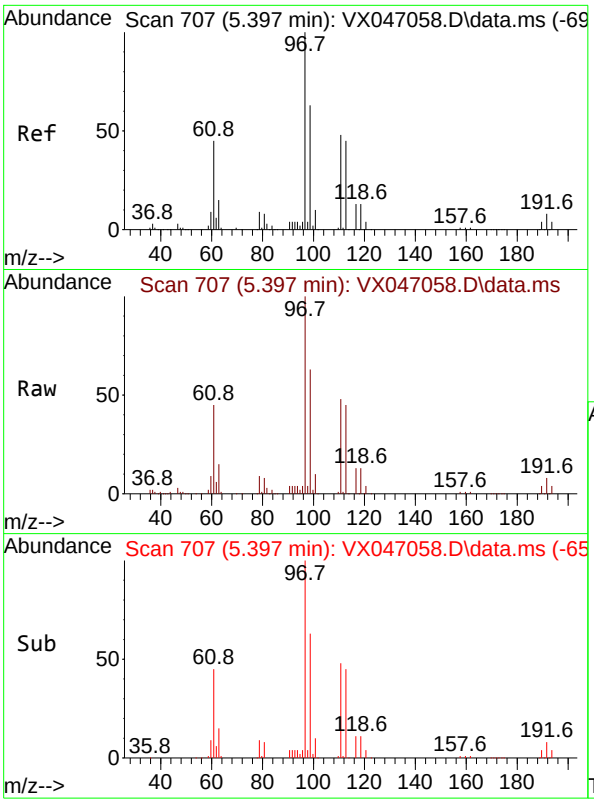


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:114 Resp: 516282

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	43.2
88	16.9	0.0	33.8



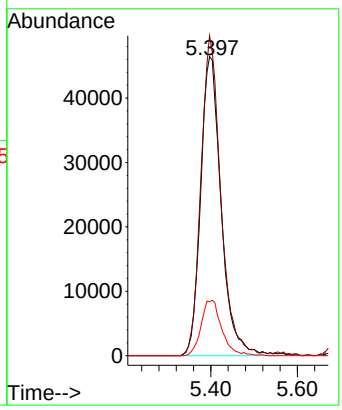


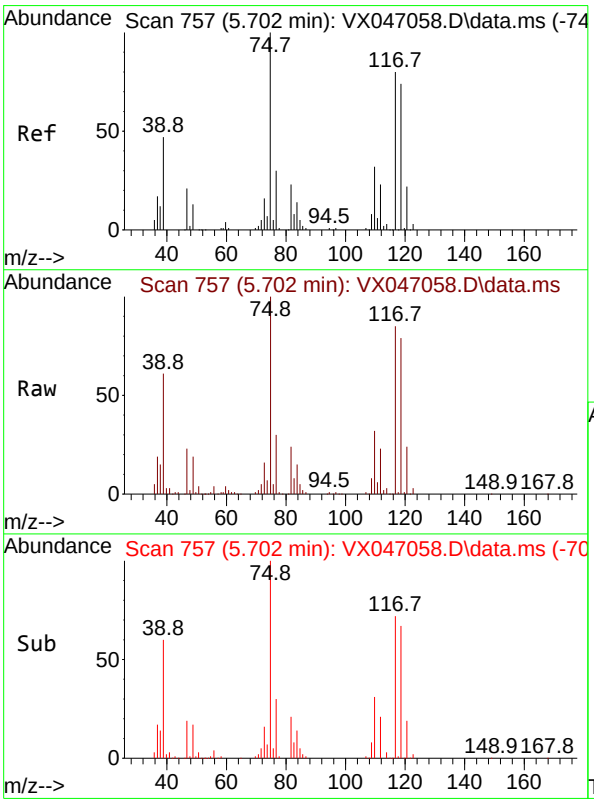
#35
Dibromofluoromethane
Concen: 47.918 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:113 Resp: 152747

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	124.0
192	18.6	14.9	22.3

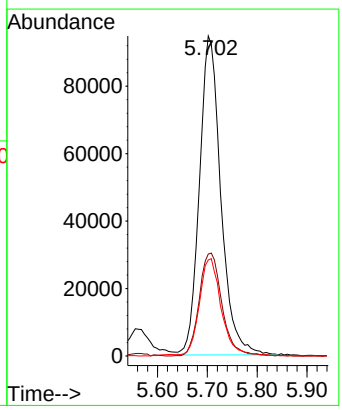


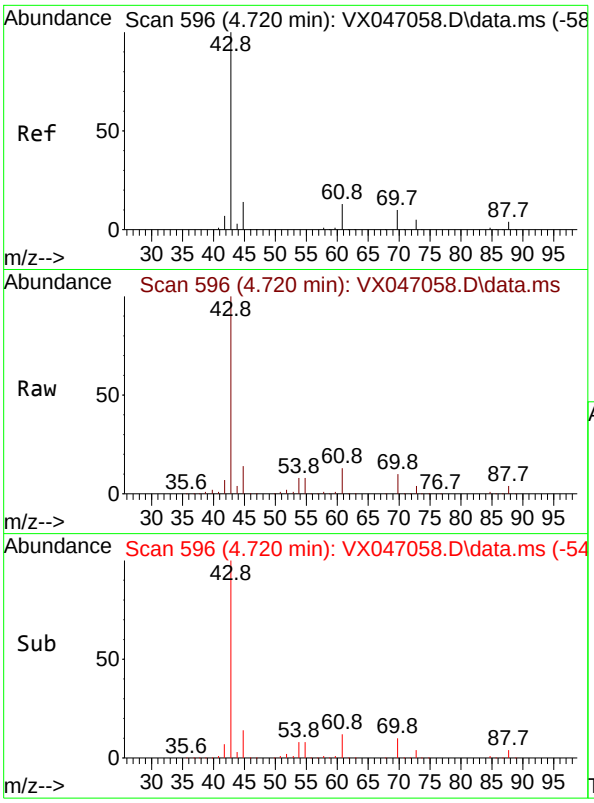


#36
1,1-Dichloropropene
Concen: 51.926 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 75 Resp: 282151

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.2	51.5
77	31.4	25.1	37.7



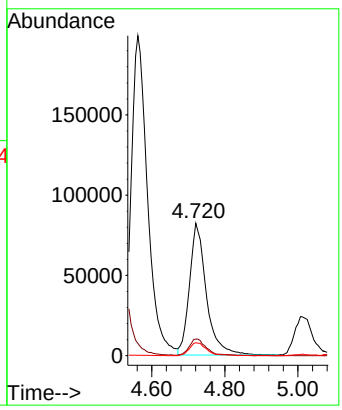


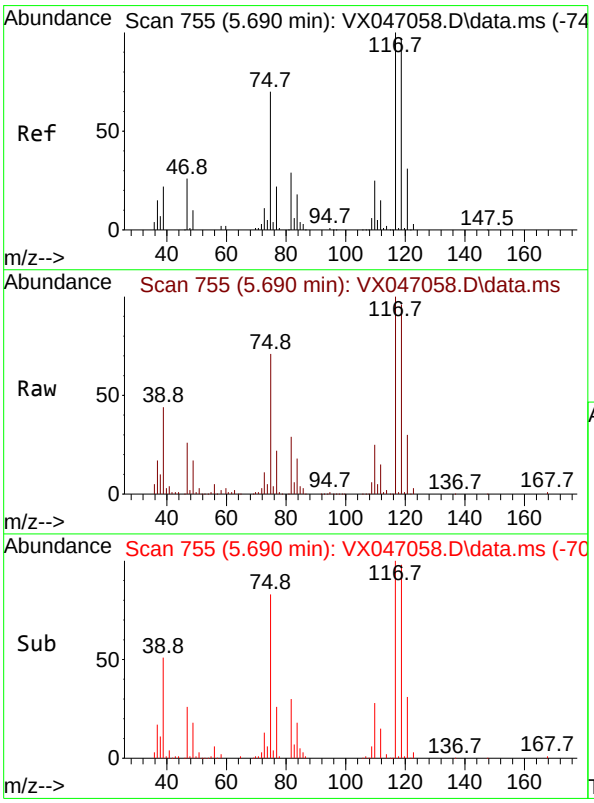
#37
Ethyl Acetate
Concen: 55.103 ug/l
RT: 4.720 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 263866

Ion	Ratio	Lower	Upper
43	100		
61	12.7	10.2	15.2
70	10.1	8.1	12.1

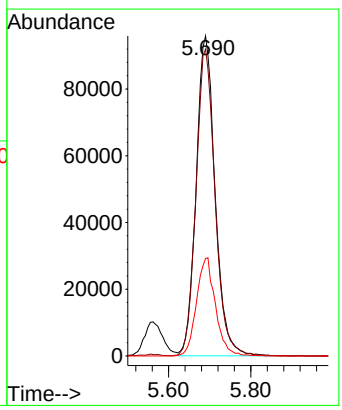


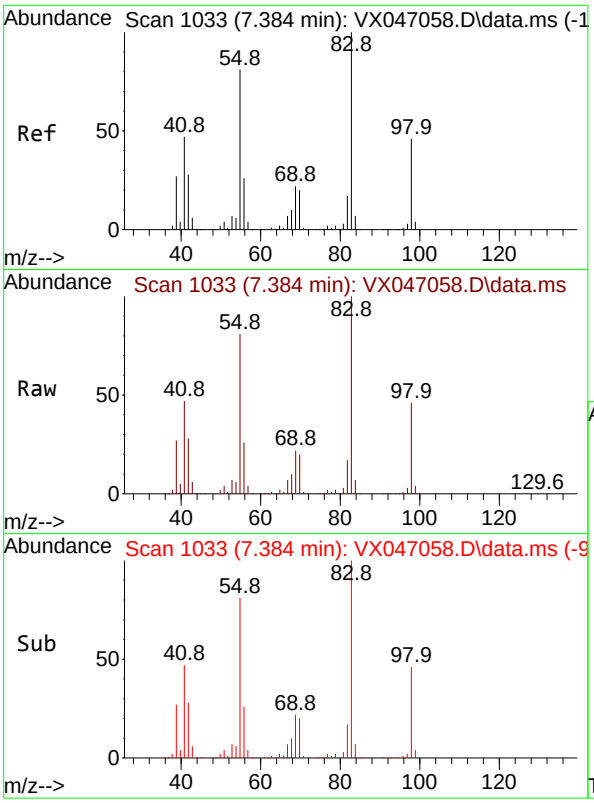


#38
Carbon Tetrachloride
Concen: 52.934 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:117 Resp: 306989

Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	30.5	24.4	36.6



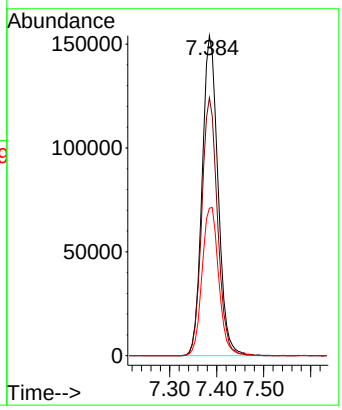


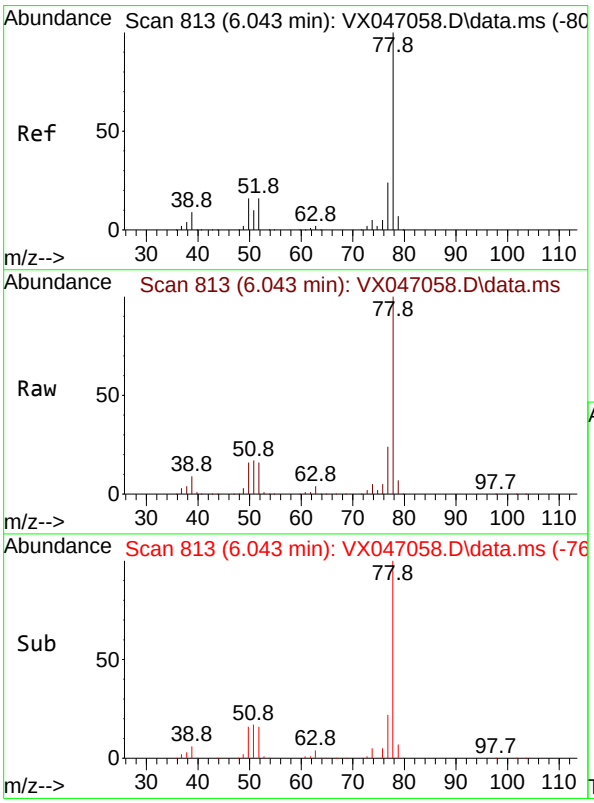
#39
Methylcyclohexane
Concen: 53.168 ug/l
RT: 7.384 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 360702

Ion	Ratio	Lower	Upper
83	100		
55	80.6	64.5	96.7
98	46.1	36.9	55.3

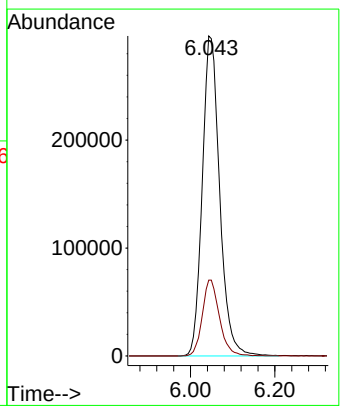


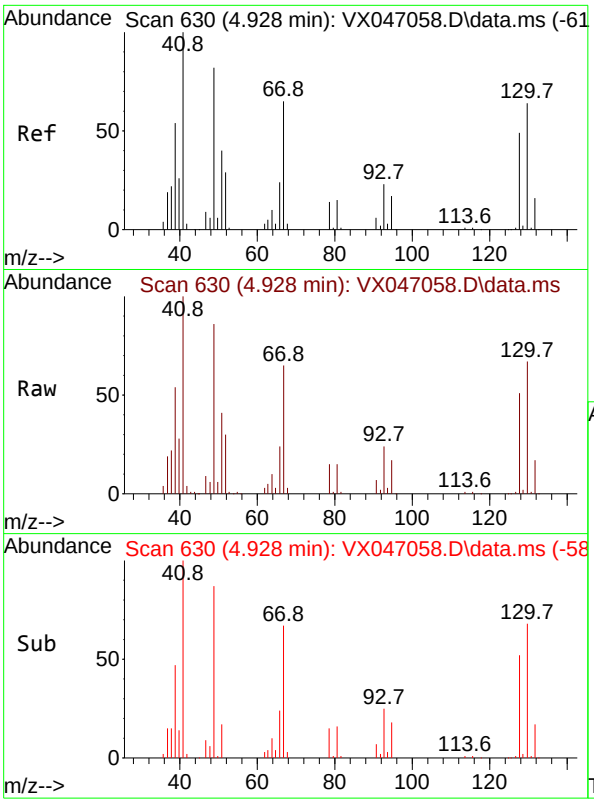


#40
Benzene
Concen: 54.180 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 78 Resp: 851995

Ion	Ratio	Lower	Upper
78	100		
77	23.7	19.0	28.4



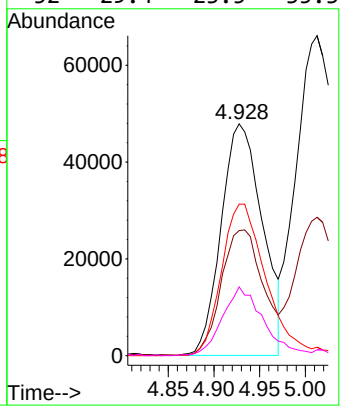


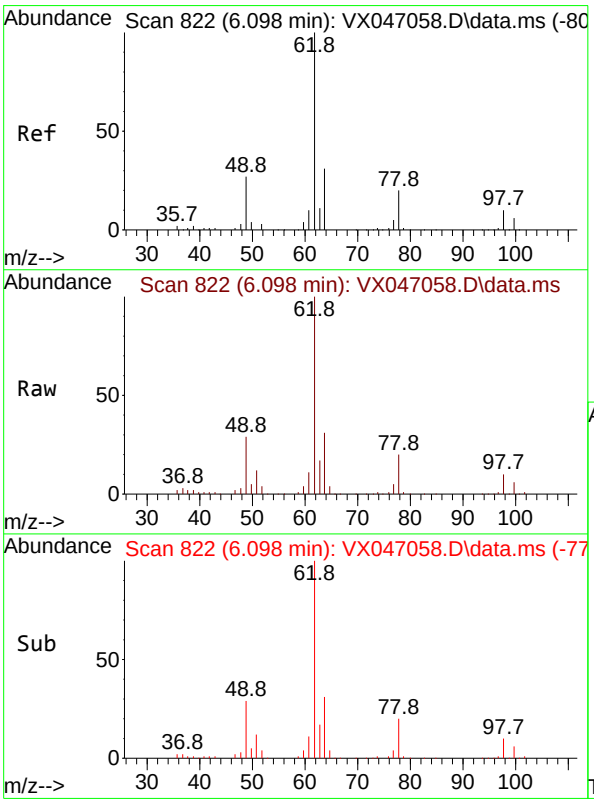
#41
Methacrylonitrile
Concen: 57.494 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 41 Resp: 150516

Ion	Ratio	Lower	Upper
41	100		
39	55.2	44.2	66.2
67	70.5	56.4	84.6
52	29.4	23.5	35.3

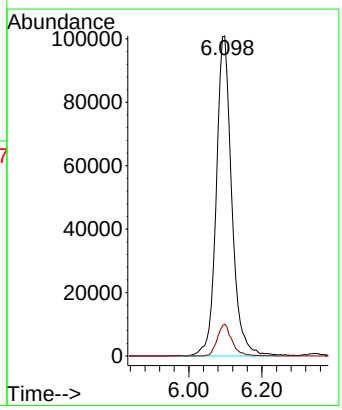


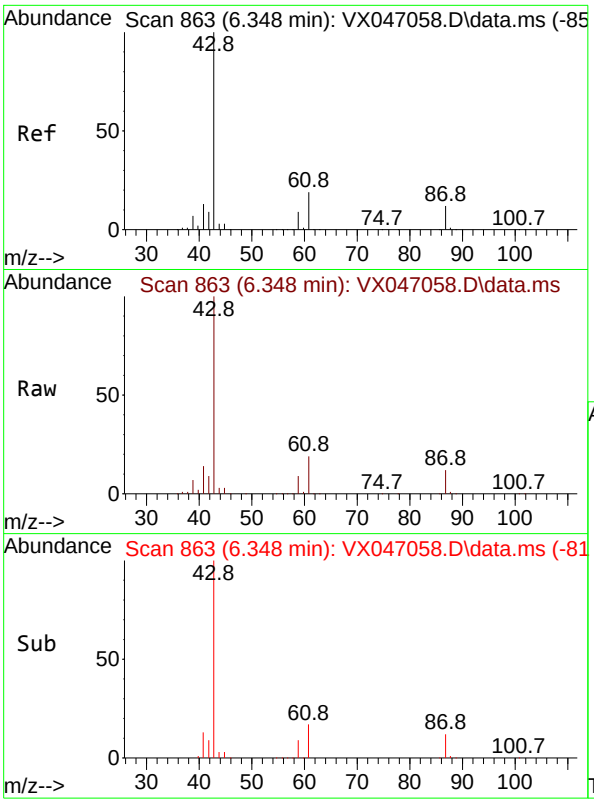


#42
1,2-Dichloroethane
Concen: 53.686 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 62 Resp: 297385

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8



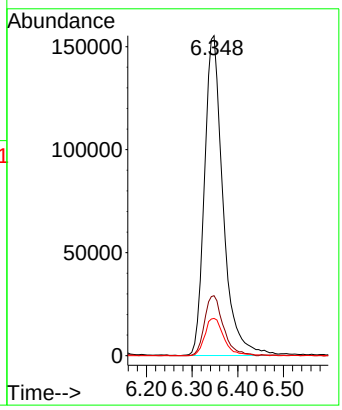


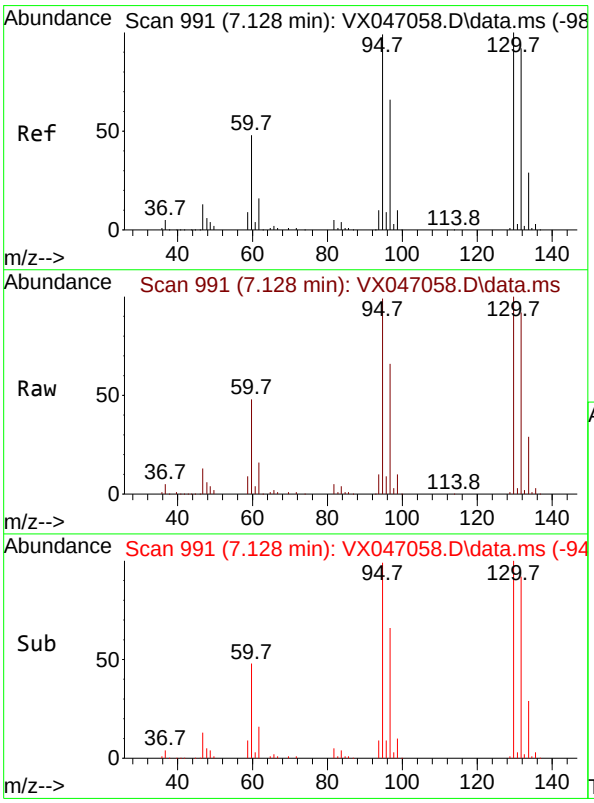
#43
Isopropyl Acetate
Concen: 56.192 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 438617

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	12.1	9.7	14.5

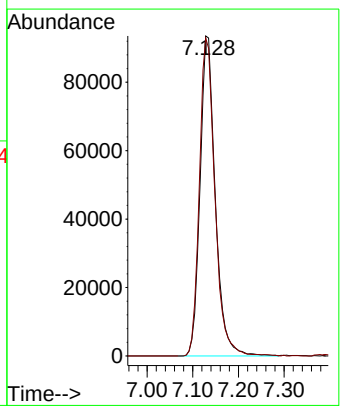


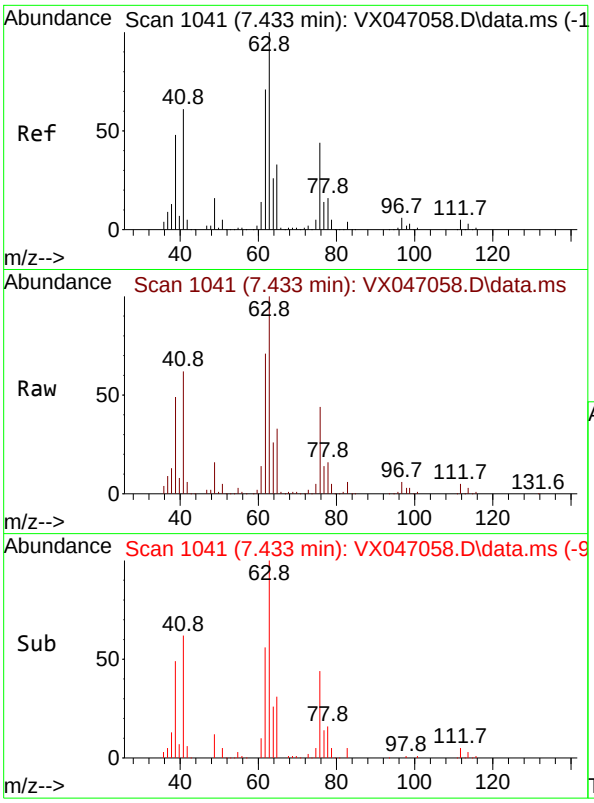


#44
Trichloroethene
Concen: 53.751 ug/l
RT: 7.128 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:130 Resp: 216747

Ion	Ratio	Lower	Upper
130	100		
95	99.3	0.0	198.6



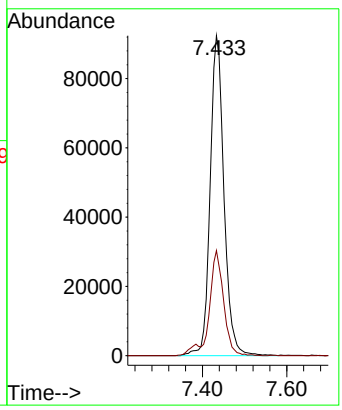


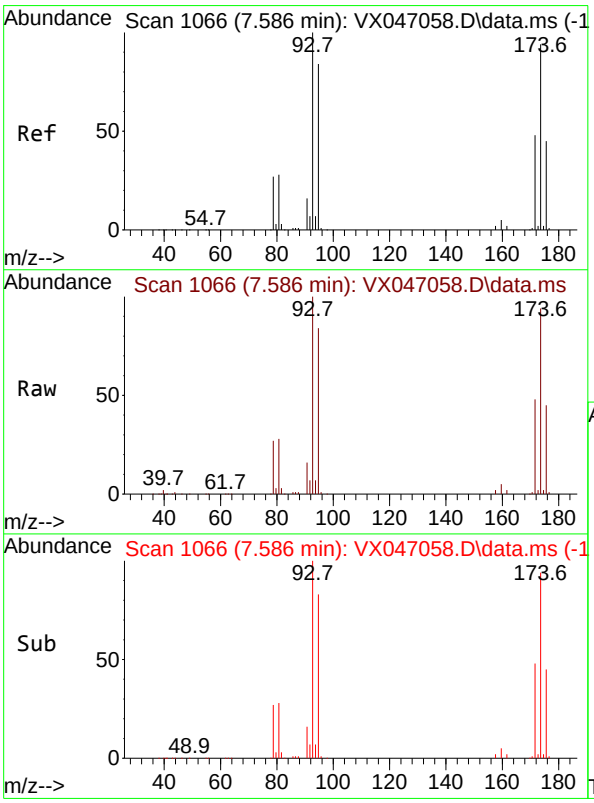
#45
1,2-Dichloropropane
Concen: 53.539 ug/l
RT: 7.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 63 Resp: 210862

Ion	Ratio	Lower	Upper
63	100		
65	32.9	26.3	39.5

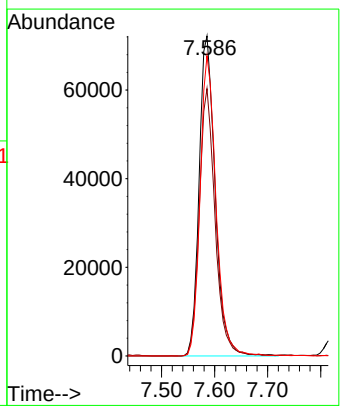


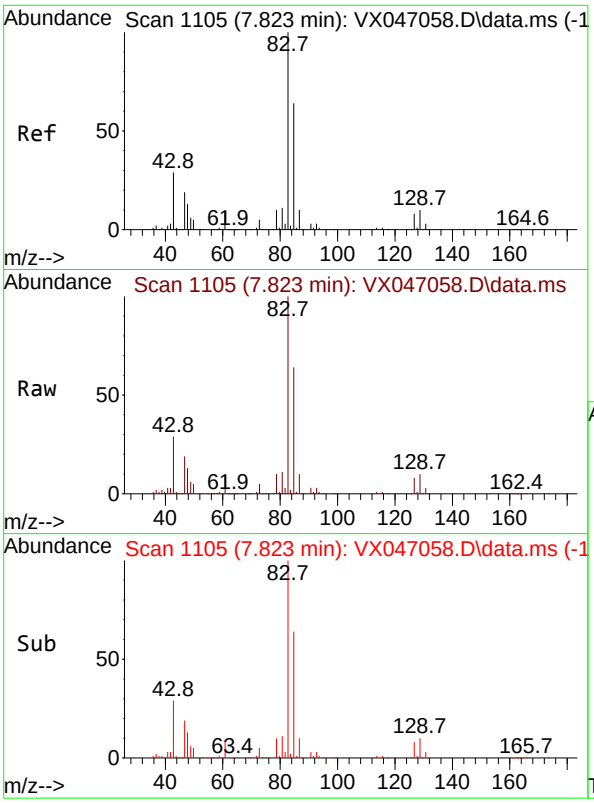


#46
Dibromomethane
Concen: 54.916 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 93 Resp: 151672

Ion	Ratio	Lower	Upper
93	100		
95	82.4	65.9	98.9
174	93.3	74.6	112.0



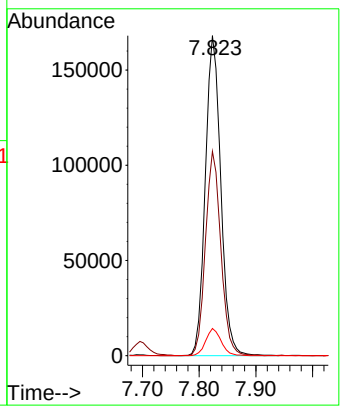


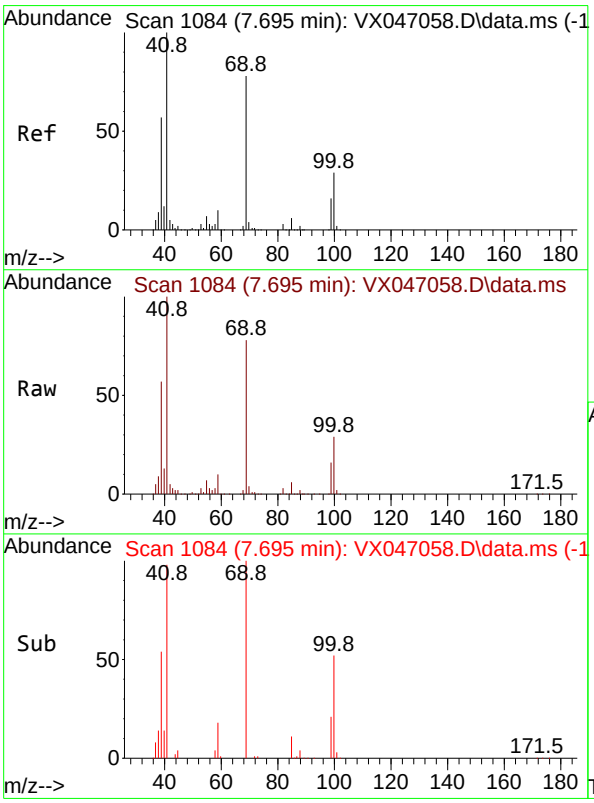
#47
Bromodichloromethane
Concen: 54.225 ug/l
RT: 7.823 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 318771

Ion	Ratio	Lower	Upper
83	100		
85	62.4	49.9	74.9
127	8.3	6.6	10.0

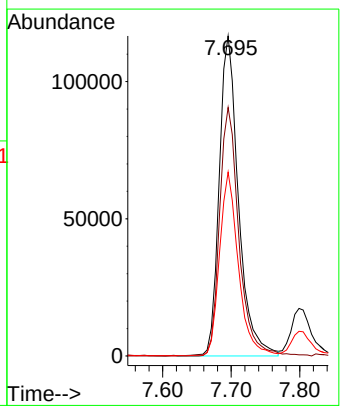


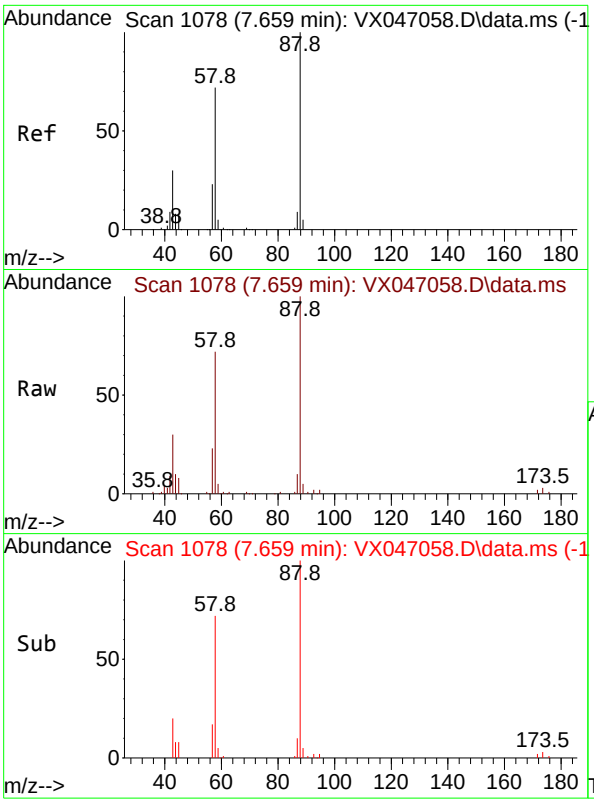


#48
Methyl methacrylate
Concen: 53.391 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 41 Resp: 227033

Ion	Ratio	Lower	Upper
41	100		
69	77.9	62.3	93.5
39	56.0	44.8	67.2



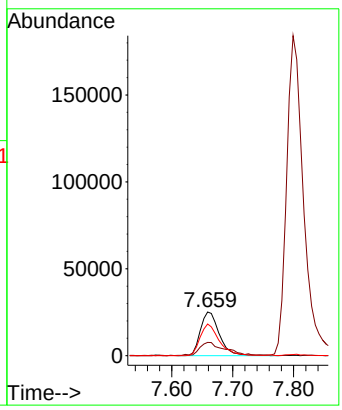


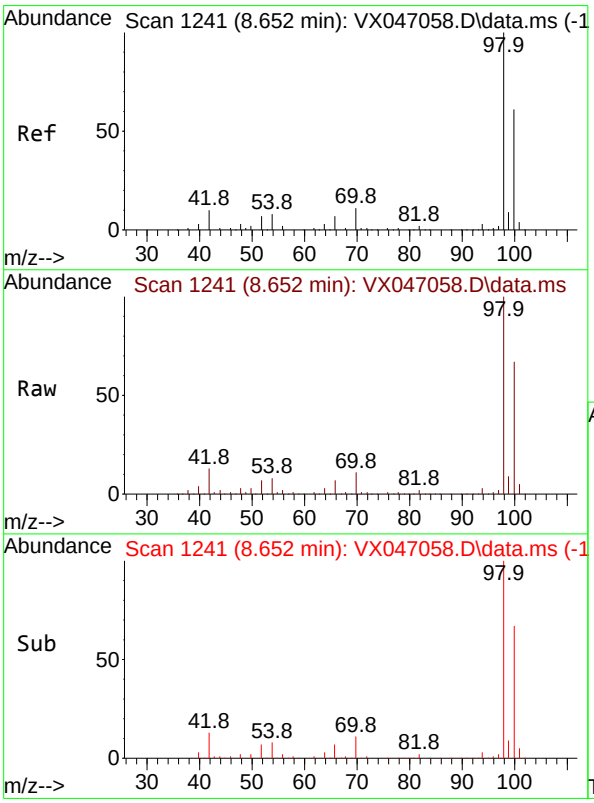
#49
1,4-Dioxane
Concen: 1114.967 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 88 Resp: 53924

Ion	Ratio	Lower	Upper
88	100		
43	42.0	33.6	50.4
58	73.5	58.8	88.2

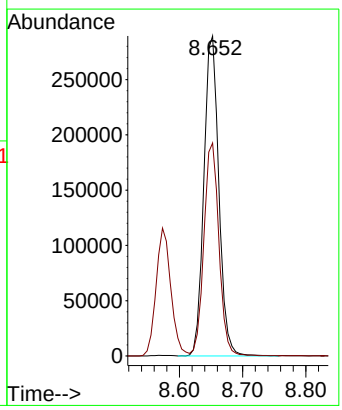


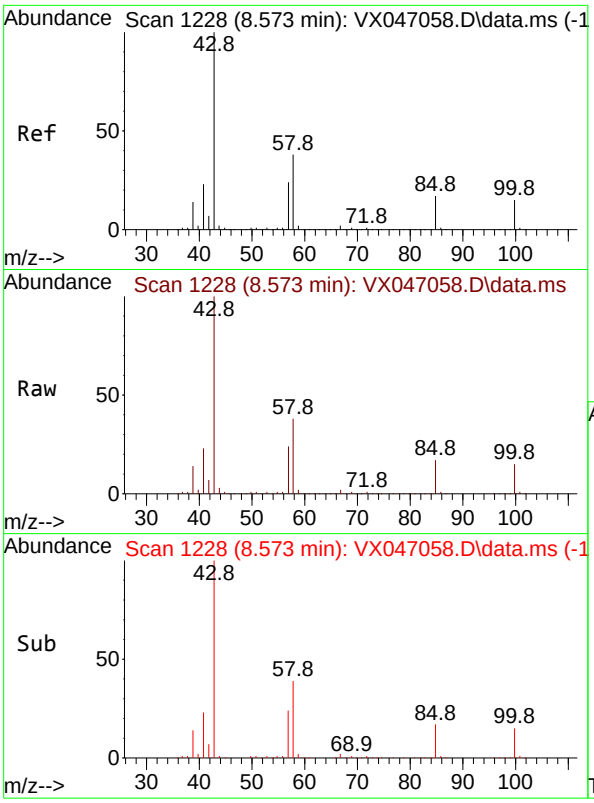


#50
Toluene-d8
Concen: 46.217 ug/l
RT: 8.652 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 98 Resp: 477108

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9



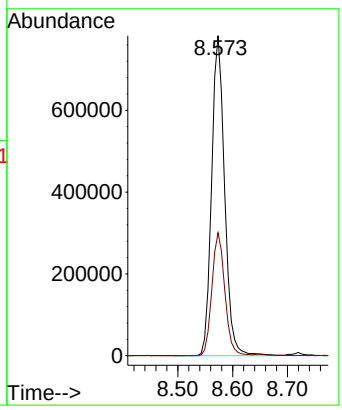


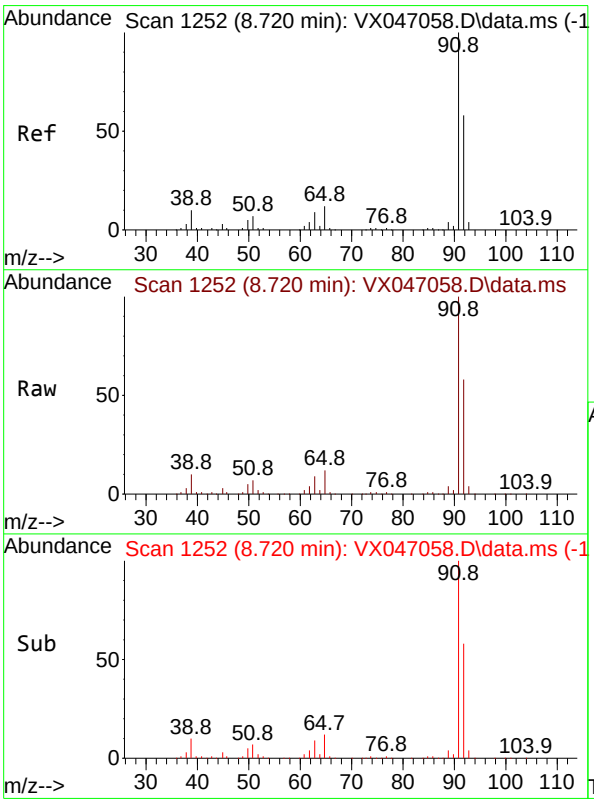
#51
4-Methyl-2-Pentanone
Concen: 276.384 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 1282299

Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.6	45.8

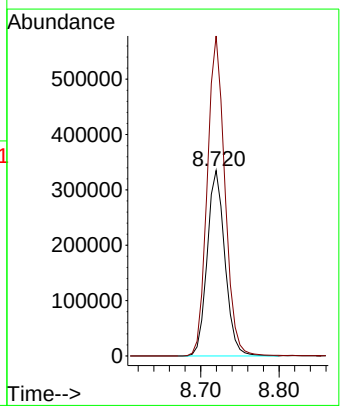


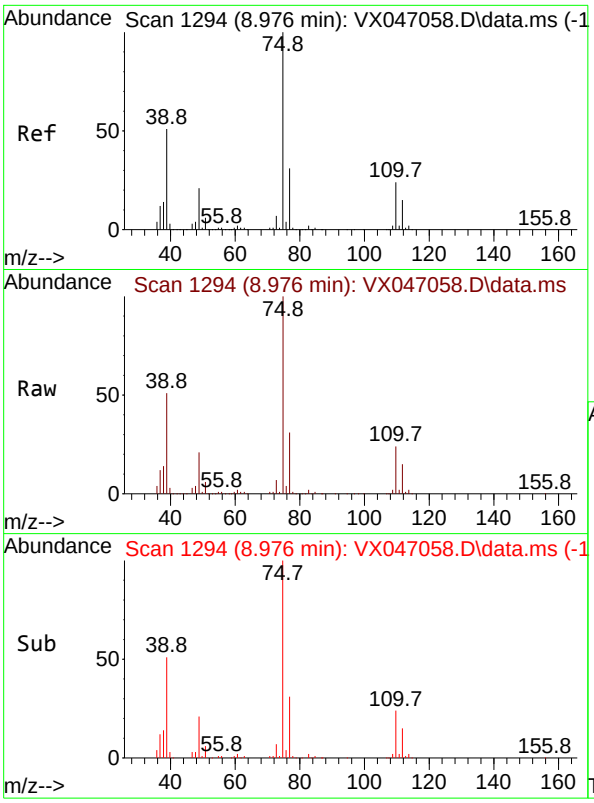


#52
Toluene
Concen: 54.288 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 92 Resp: 524916

Ion	Ratio	Lower	Upper
92	100		
91	172.4	137.9	206.9



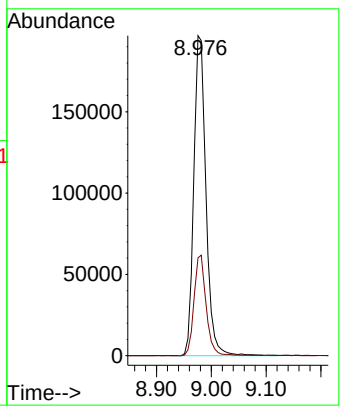


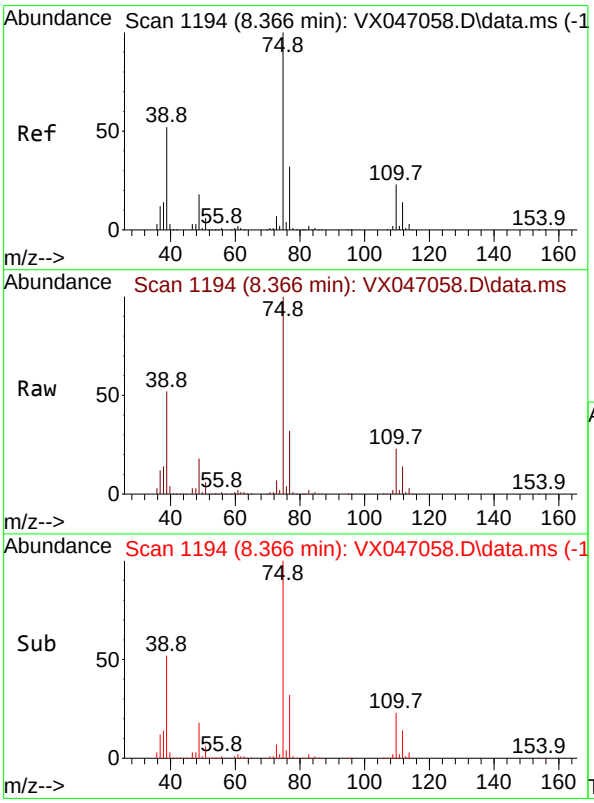
#53
t-1,3-Dichloropropene
Concen: 55.044 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 305568

Ion	Ratio	Lower	Upper
75	100		
77	30.6	24.5	36.7

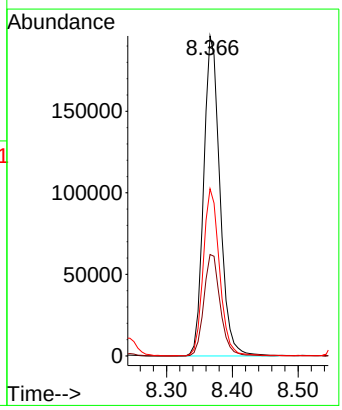


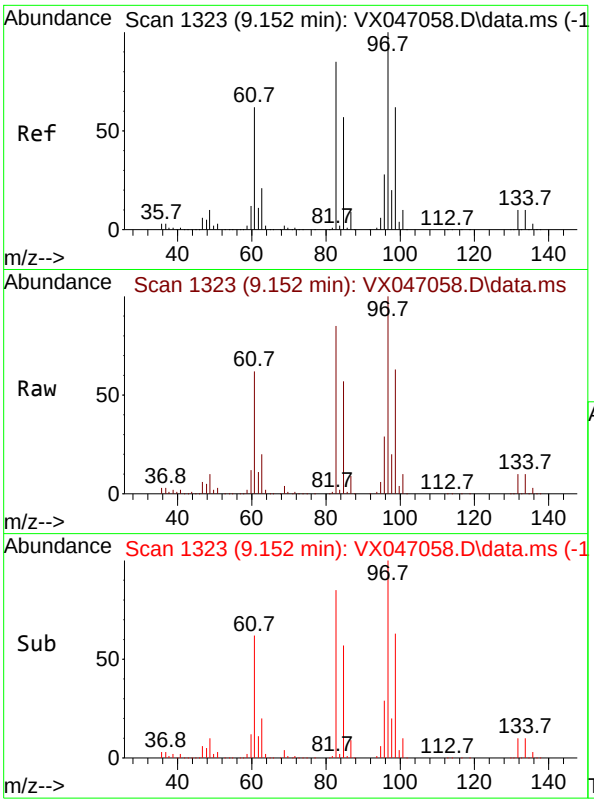


#54
cis-1,3-Dichloropropene
Concen: 55.475 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 75 Resp: 337057

Ion	Ratio	Lower	Upper
75	100		
77	31.7	25.4	38.0
39	52.2	41.8	62.6



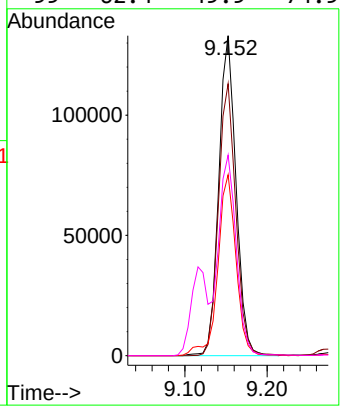


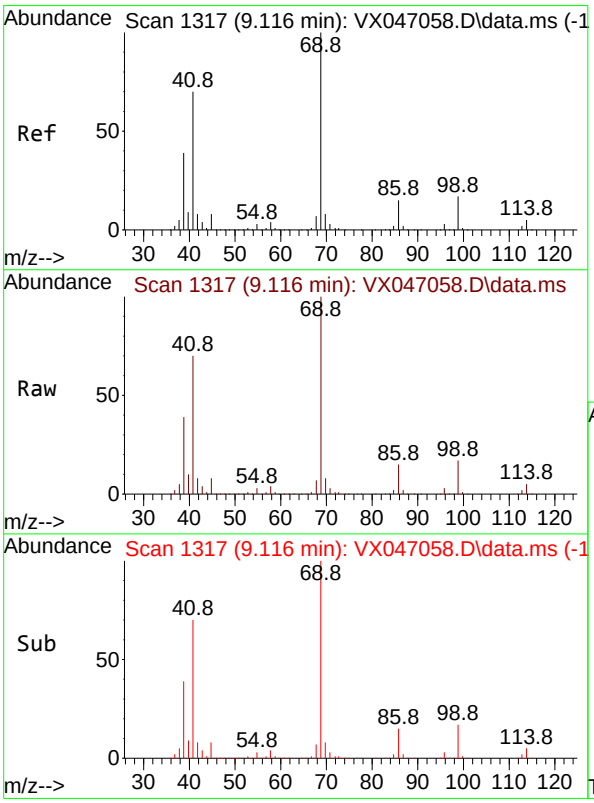
#55
1,1,2-Trichloroethane
Concen: 53.587 ug/l
RT: 9.152 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 97 Resp: 194314

Ion	Ratio	Lower	Upper
97	100		
83	85.0	68.0	102.0
85	56.5	45.2	67.8
99	62.4	49.9	74.9

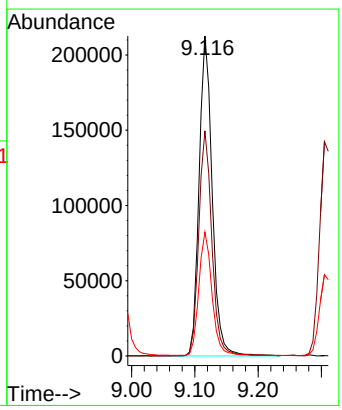


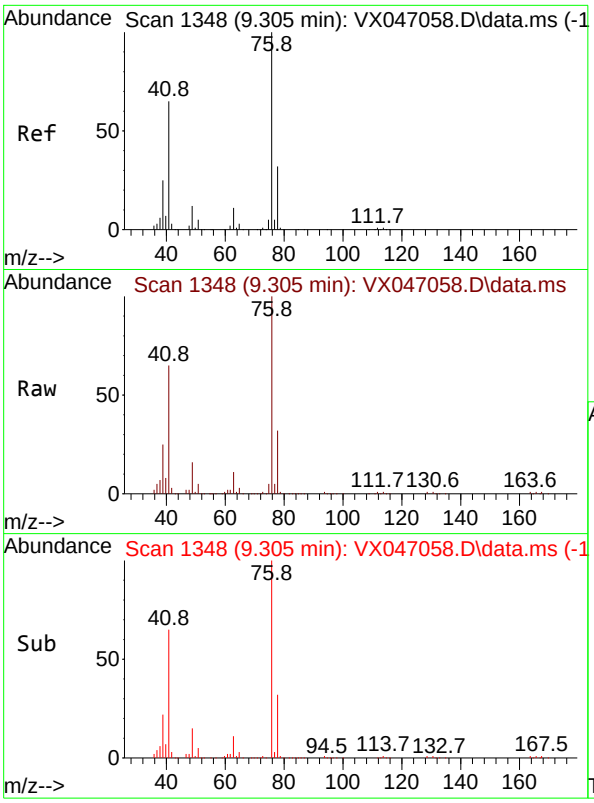


#56
Ethyl methacrylate
Concen: 57.281 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 69 Resp: 307494

Ion	Ratio	Lower	Upper
69	100		
41	70.1	56.1	84.1
39	38.9	31.1	46.7



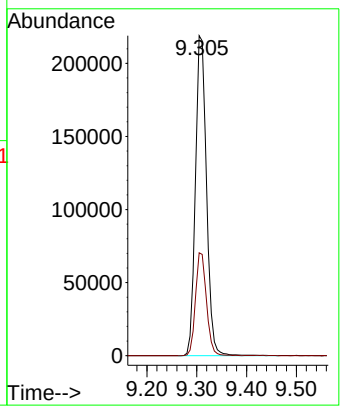


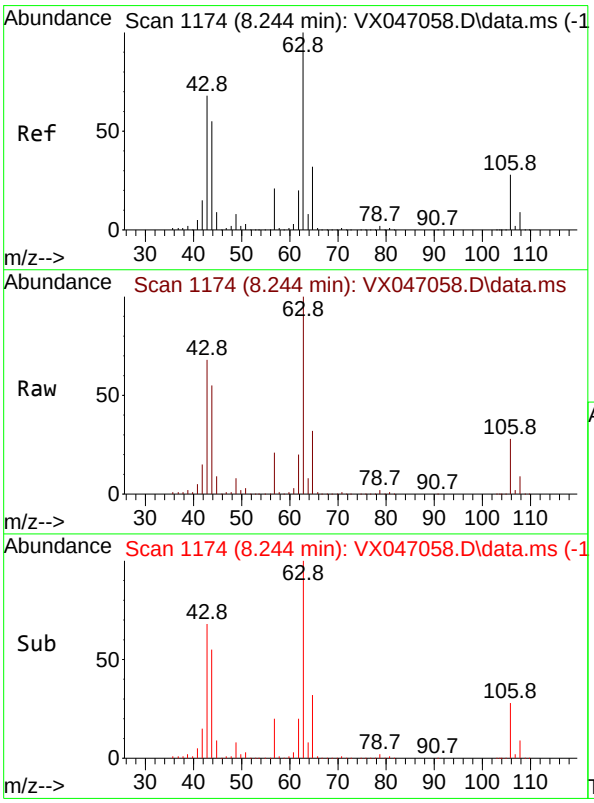
#57
1,3-Dichloropropane
Concen: 53.491 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 76 Resp: 337106

Ion	Ratio	Lower	Upper
76	100		
78	31.9	25.5	38.3

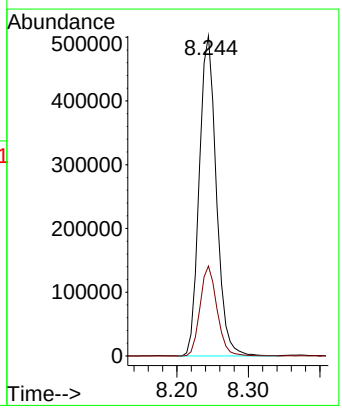


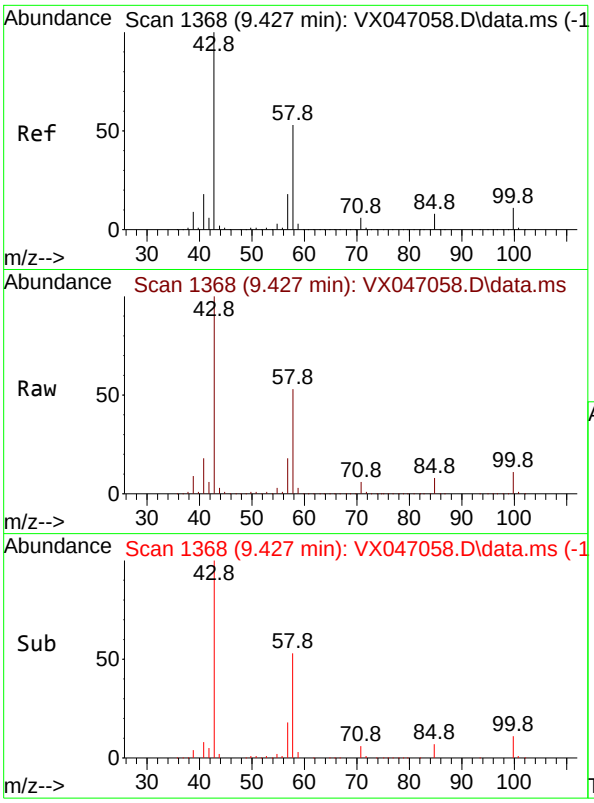


#58
2-Chloroethyl Vinyl ether
Concen: 278.917 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 63 Resp: 833190

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.2	33.4



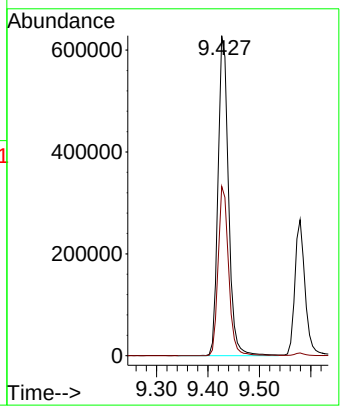


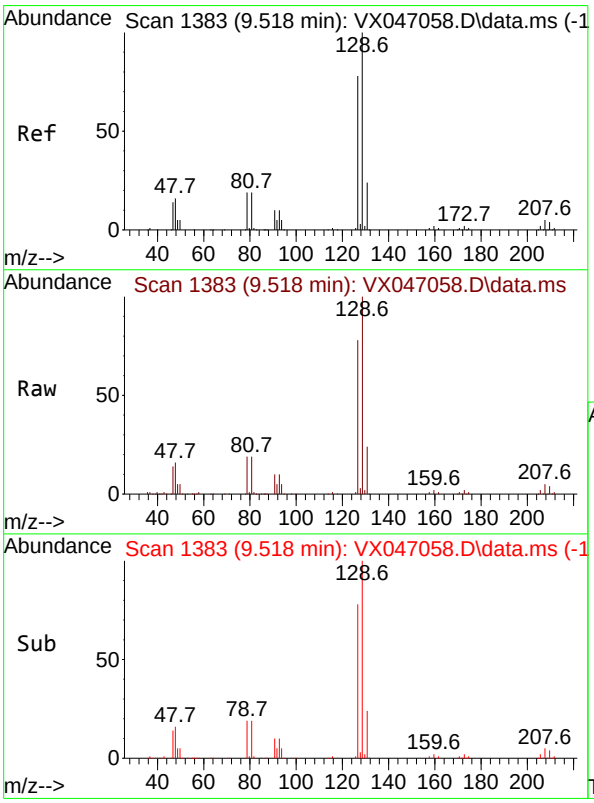
#59
2-Hexanone
Concen: 289.252 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 43 Resp: 886635

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5

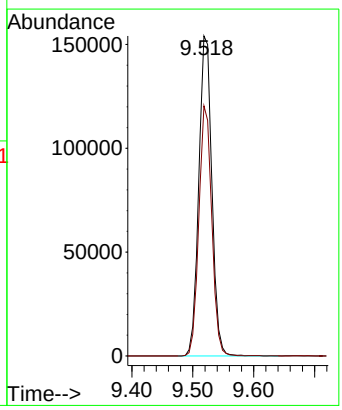


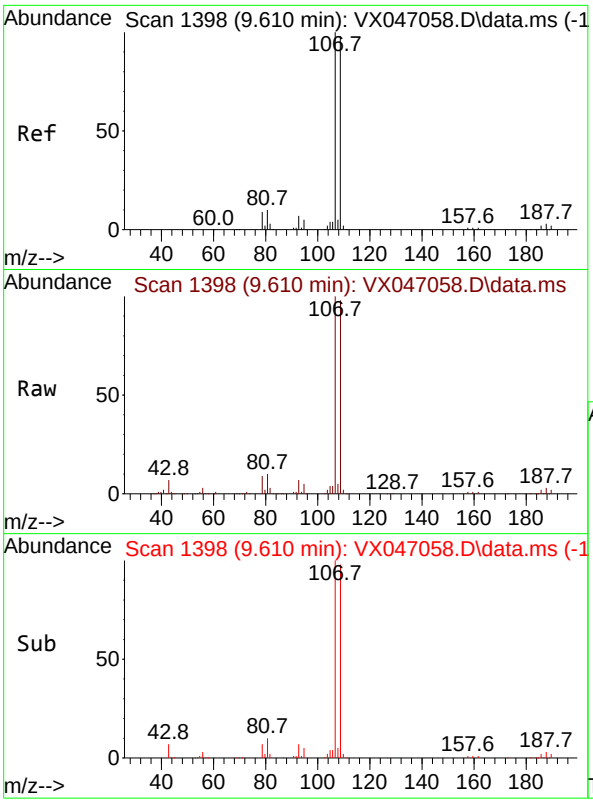


#60
Dibromochloromethane
Concen: 53.881 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:129 Resp: 229147

Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.6	115.8



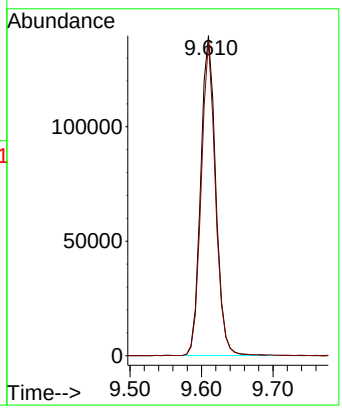


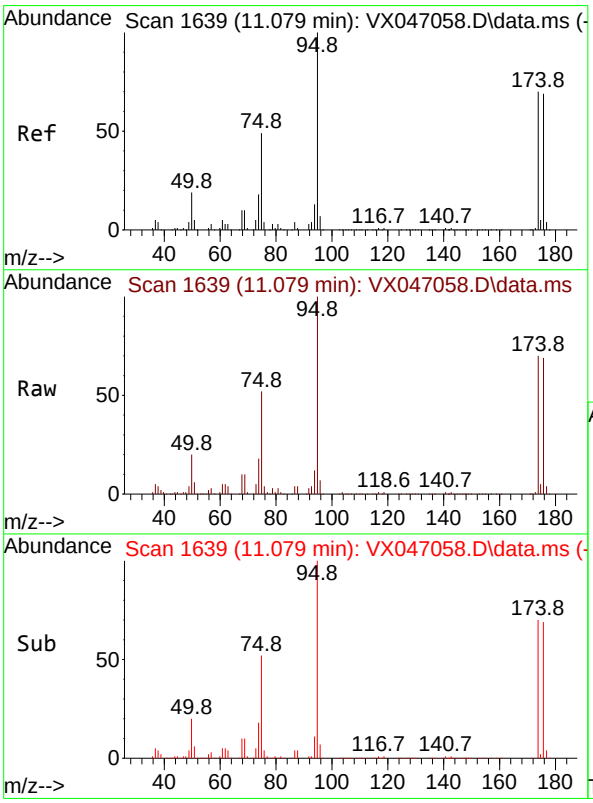
#61
1,2-Dibromoethane
Concen: 53.823 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:107 Resp: 204078

Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.6	112.0

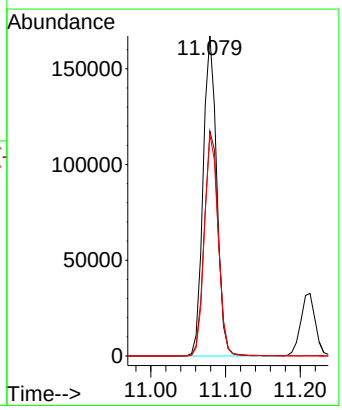


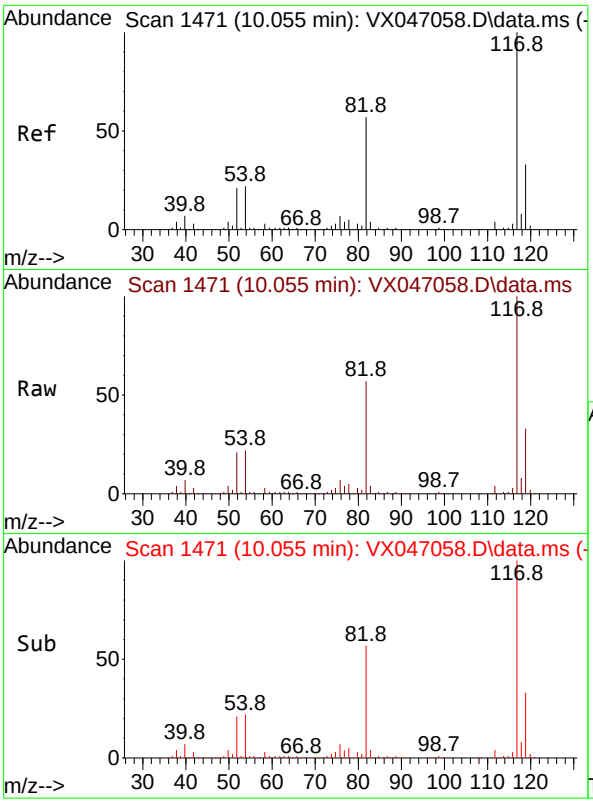


#62
4-Bromofluorobenzene
Concen: 47.473 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 95 Resp: 211198

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	144.6
176	69.8	0.0	139.6



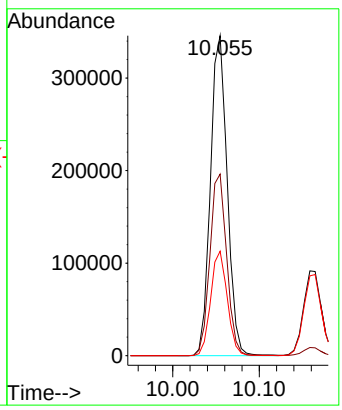


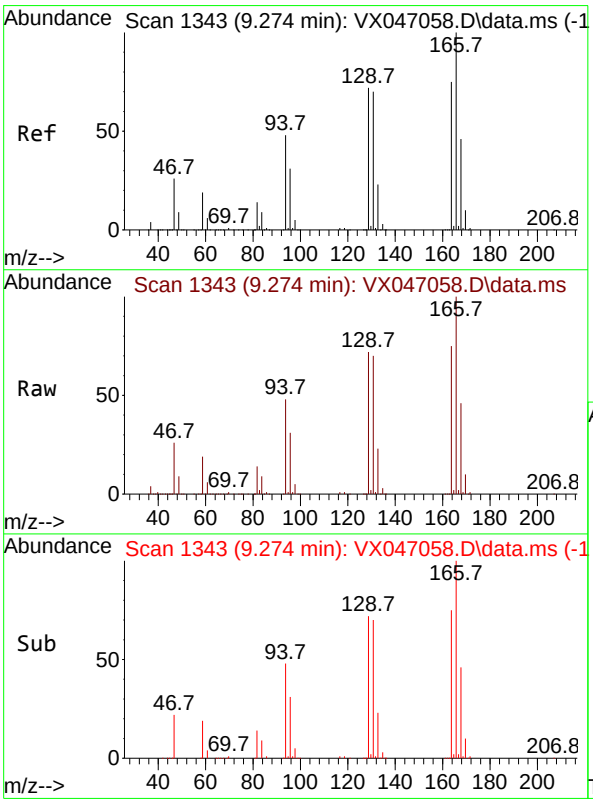
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:117 Resp: 464565

Ion	Ratio	Lower	Upper
117	100		
82	56.8	45.4	68.2
119	32.6	26.1	39.1

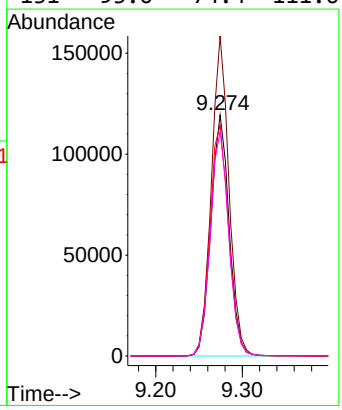


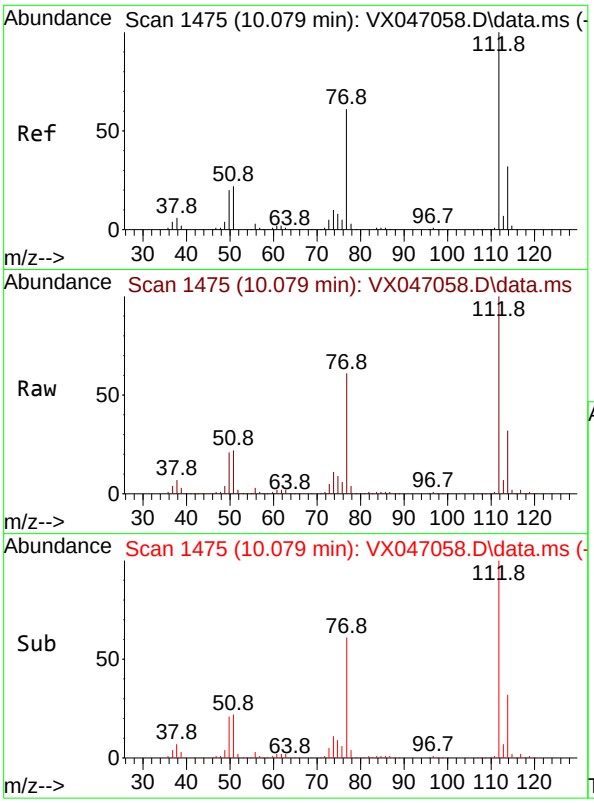


#64
Tetrachloroethene
Concen: 52.173 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:164 Resp: 174727

Ion	Ratio	Lower	Upper
164	100		
166	132.8	106.2	159.4
129	95.7	76.6	114.8
131	93.0	74.4	111.6



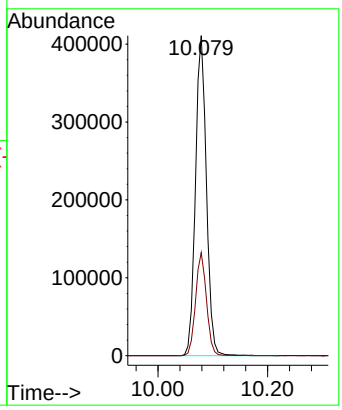


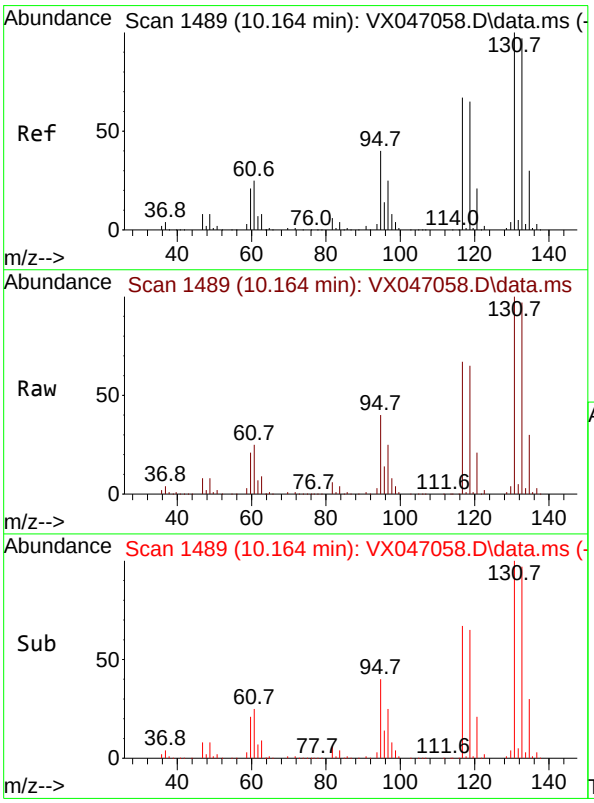
#65
Chlorobenzene
Concen: 52.530 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:112 Resp: 571696

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.8	38.6

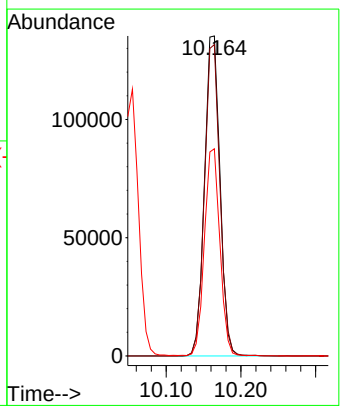


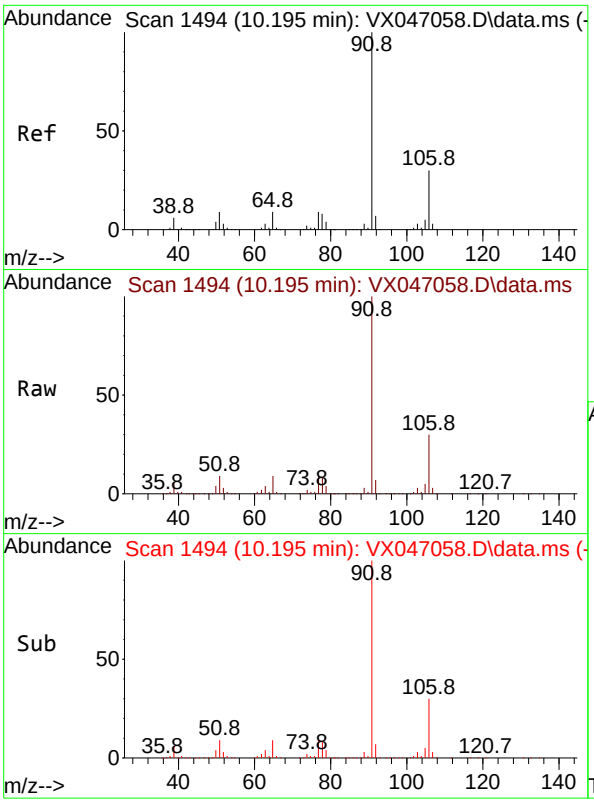


#66
1,1,1,2-Tetrachloroethane
Concen: 53.158 ug/l
RT: 10.164 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:131 Resp: 194777

Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.4	145.3
119	64.7	32.4	97.0



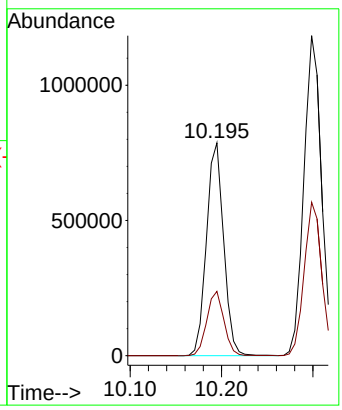


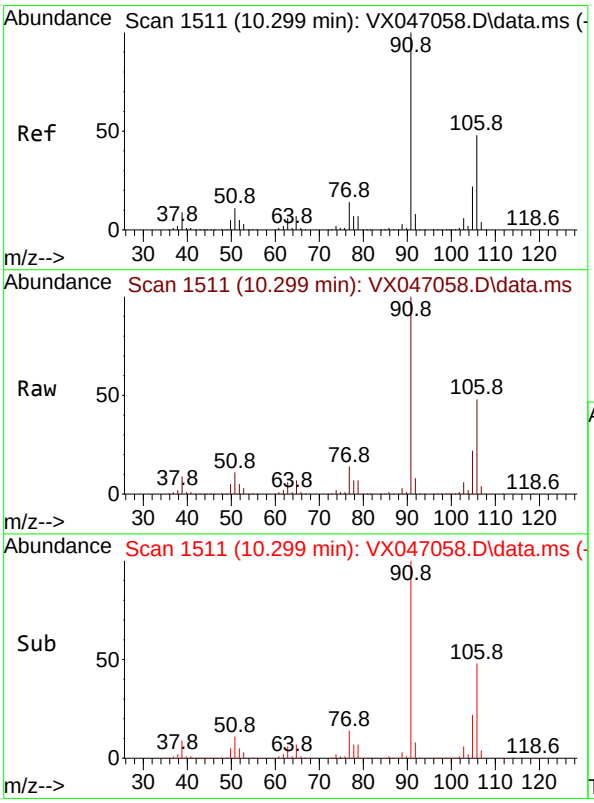
#67
Ethyl Benzene
Concen: 53.812 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 1023986

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4

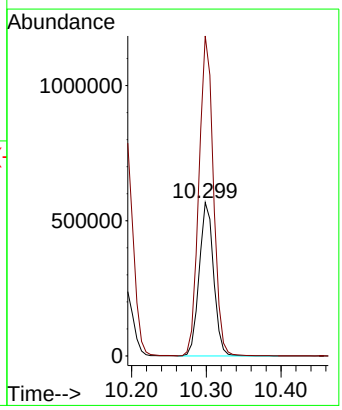


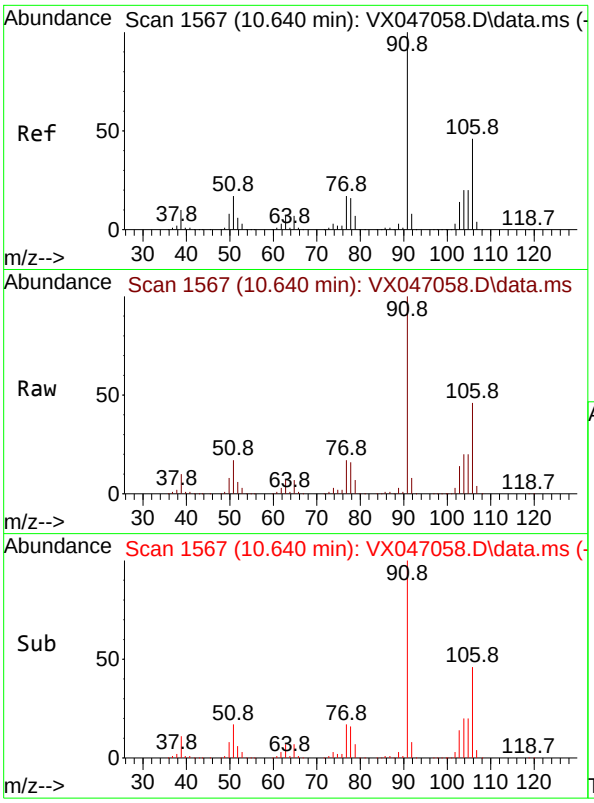


#68
m/p-Xylenes
Concen: 106.683 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:106 Resp: 759689

Ion	Ratio	Lower	Upper
106	100		
91	209.2	167.4	251.0



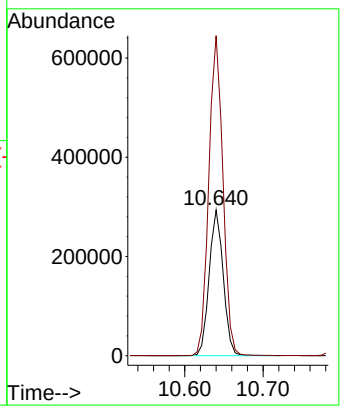


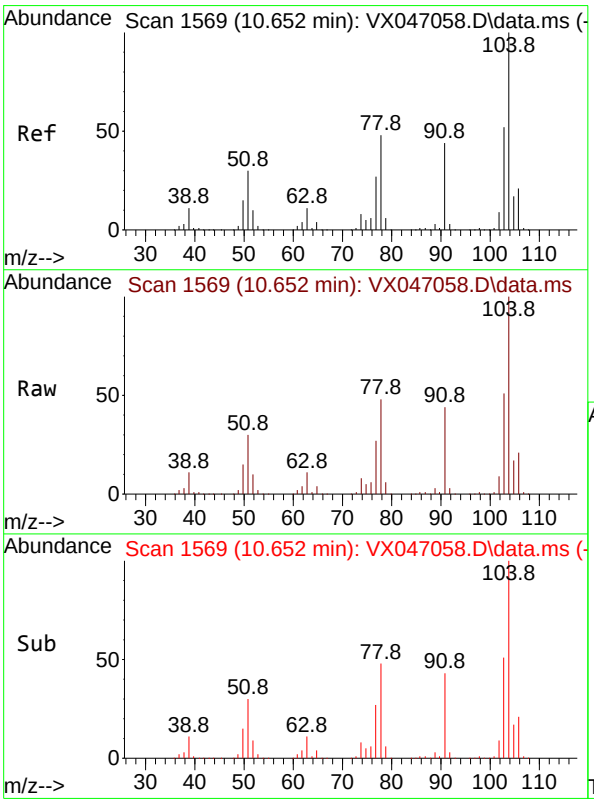
#69
o-Xylene
Concen: 53.834 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:106 Resp: 364689

Ion	Ratio	Lower	Upper
106	100		
91	220.7	110.3	331.0

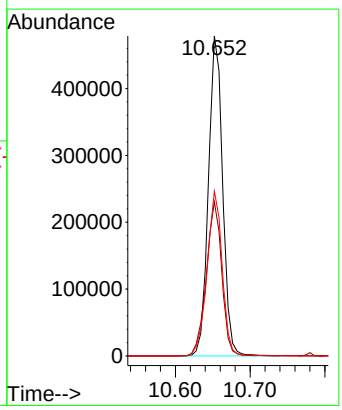


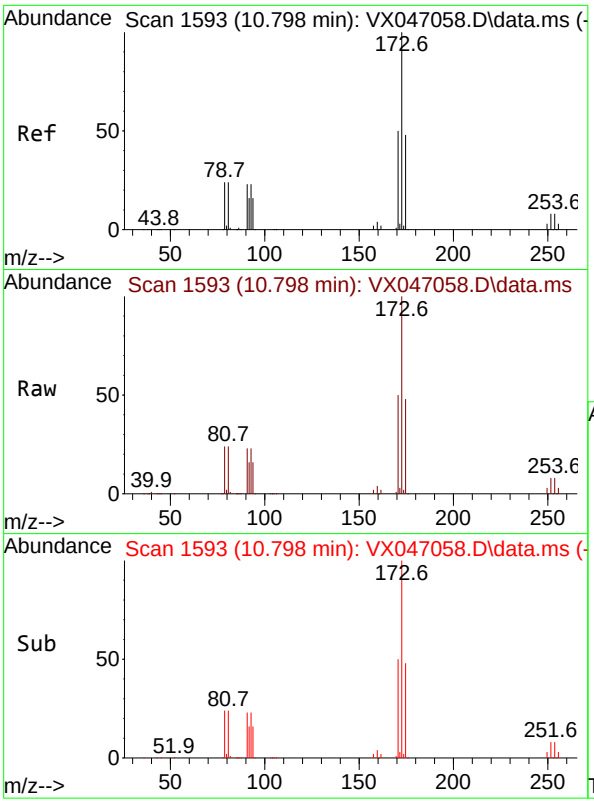


#70
Styrene
Concen: 54.447 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:104 Resp: 632474

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.0	63.0
103	54.7	43.8	65.6



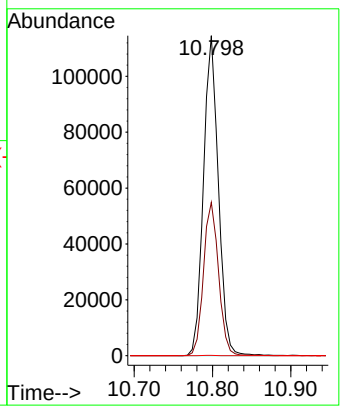


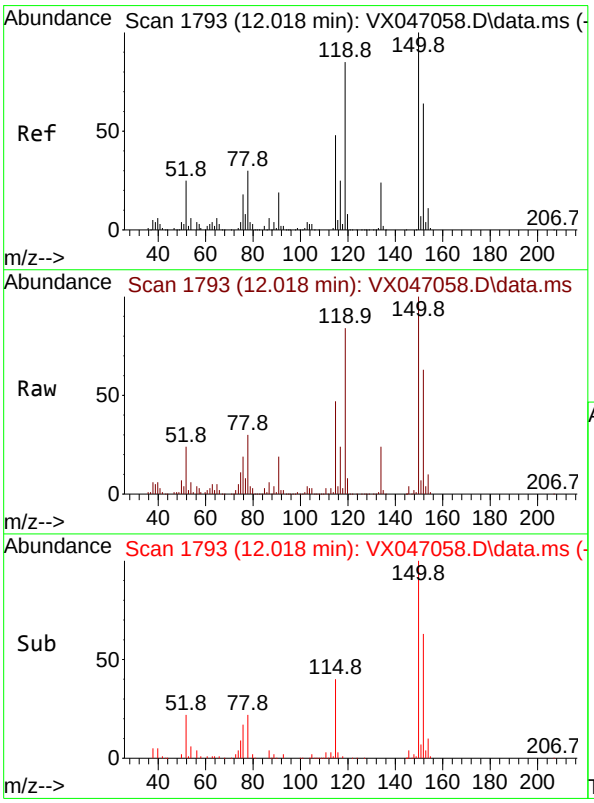
#71
Bromoform
Concen: 54.228 ug/l
RT: 10.798 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:173 Resp: 150938

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.1	0.1	0.1

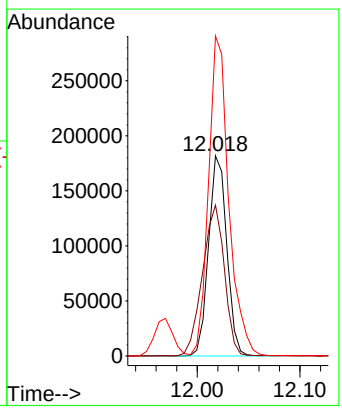


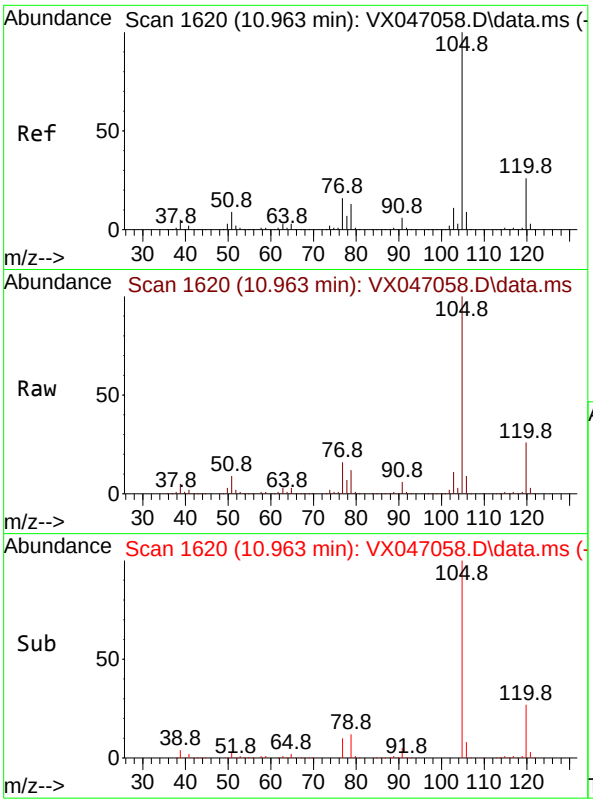


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:152 Resp: 223799

Ion	Ratio	Lower	Upper
152	100		
115	91.1	45.6	136.7
150	177.3	0.0	354.6



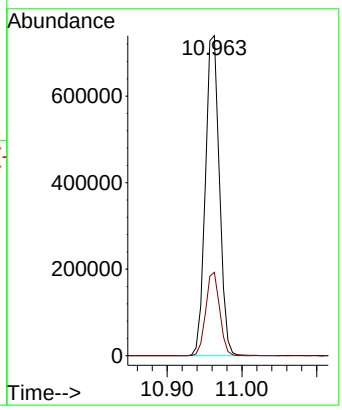


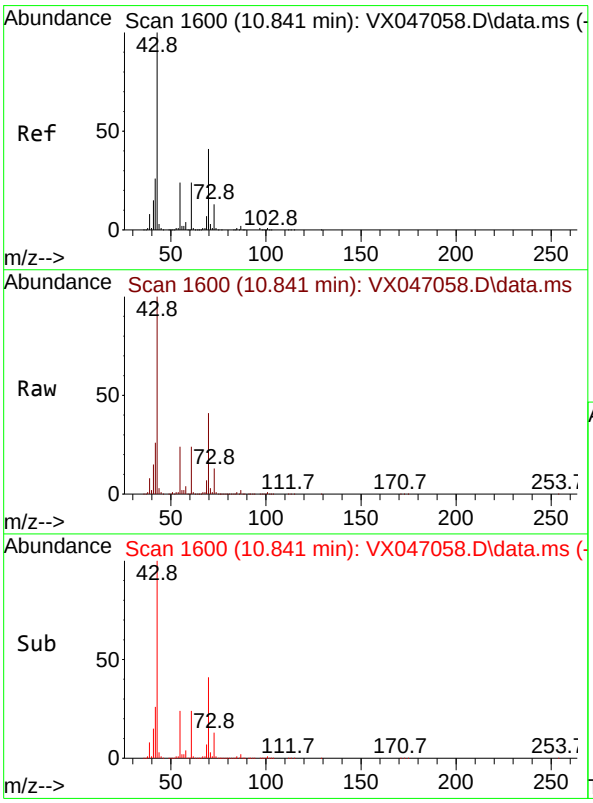
#73
Isopropylbenzene
Concen: 54.621 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 964411

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

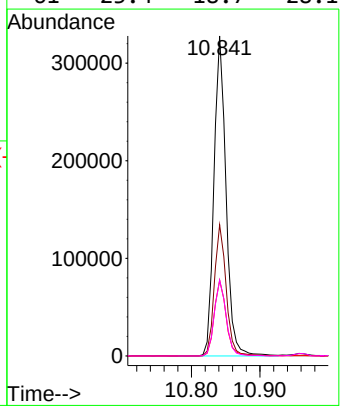


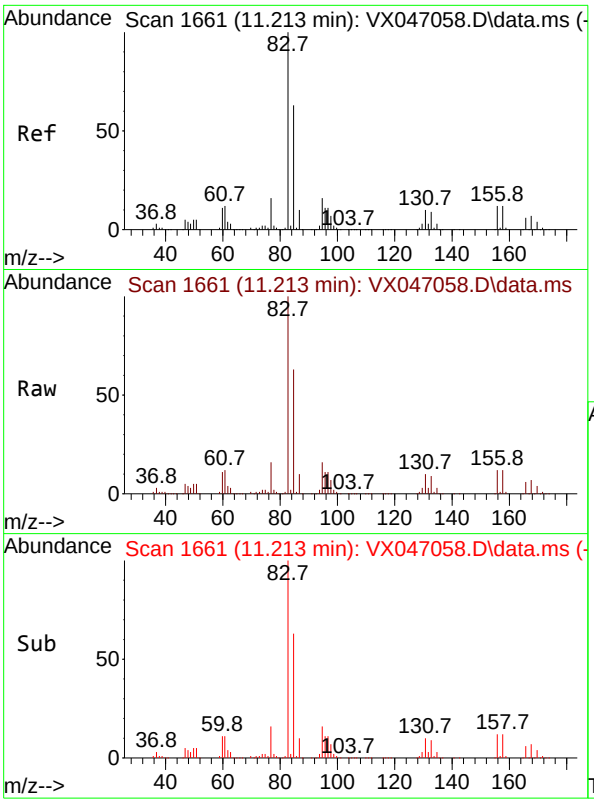


#74
N-amyl acetate
Concen: 56.697 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 43 Resp: 399297

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.3	48.5
55	23.6	18.9	28.3
61	23.4	18.7	28.1



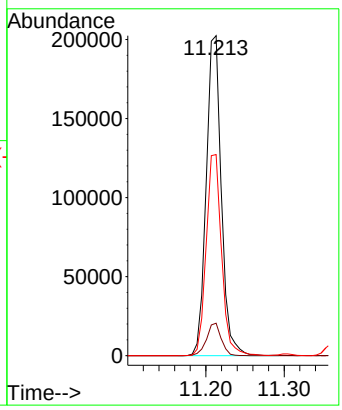


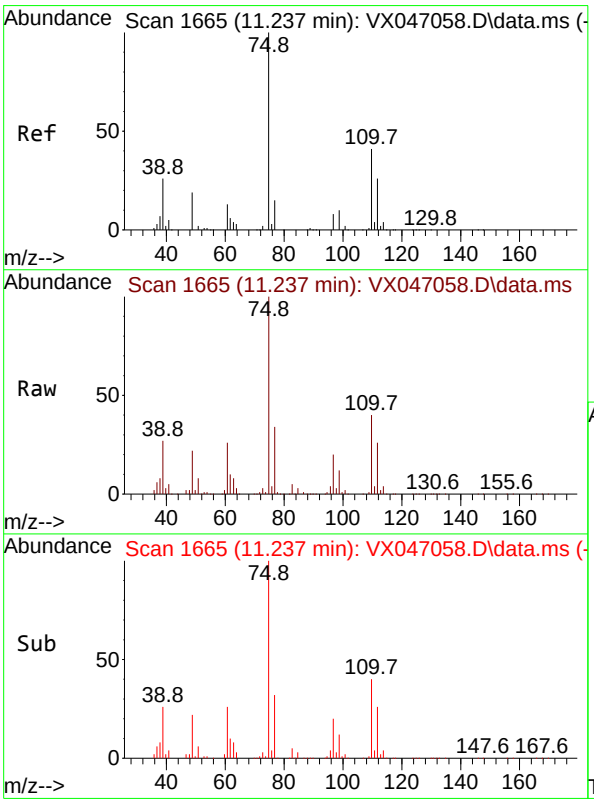
#75
1,1,2,2-Tetrachloroethane
Concen: 53.670 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 83 Resp: 270685

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	64.1	32.0	96.2

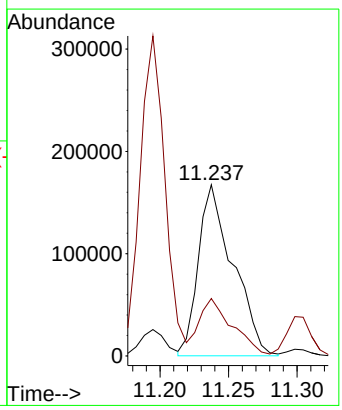


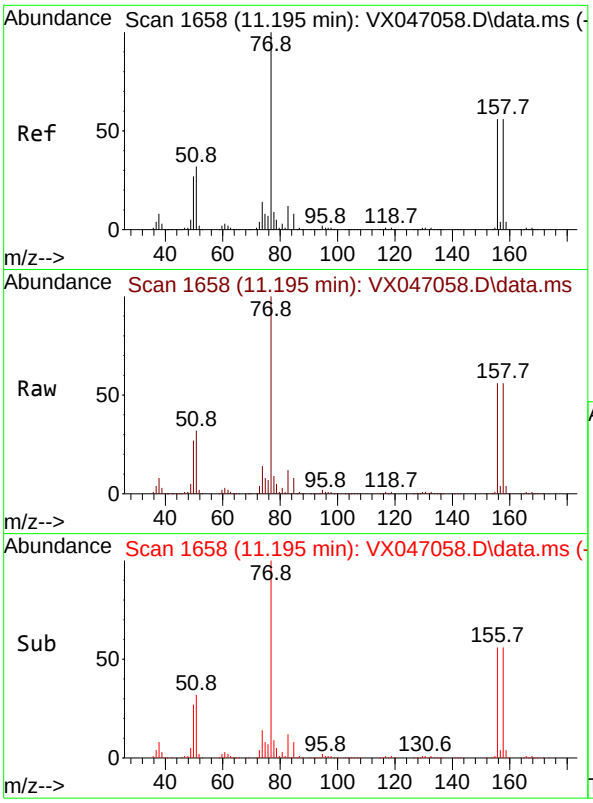


#76
1,2,3-Trichloropropane
Concen: 71.150 ug/l
RT: 11.237 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 75 Resp: 294731

Ion	Ratio	Lower	Upper
75	100		
77	32.6	21.6	65.0



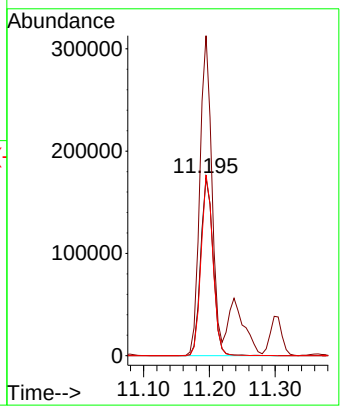


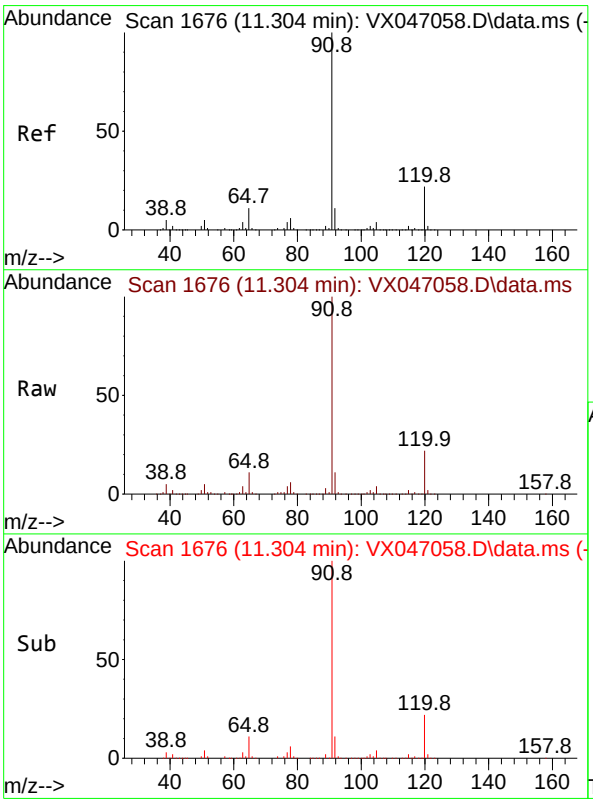
#77
Bromobenzene
Concen: 53.727 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:156 Resp: 227531

Ion	Ratio	Lower	Upper
156	100		
77	174.6	87.3	261.9
158	97.7	48.9	146.6

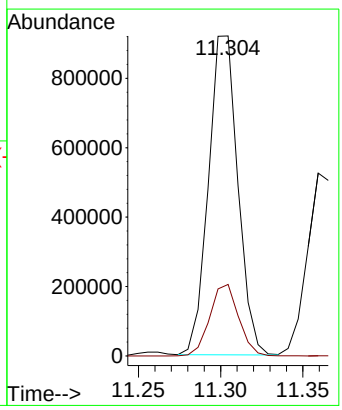


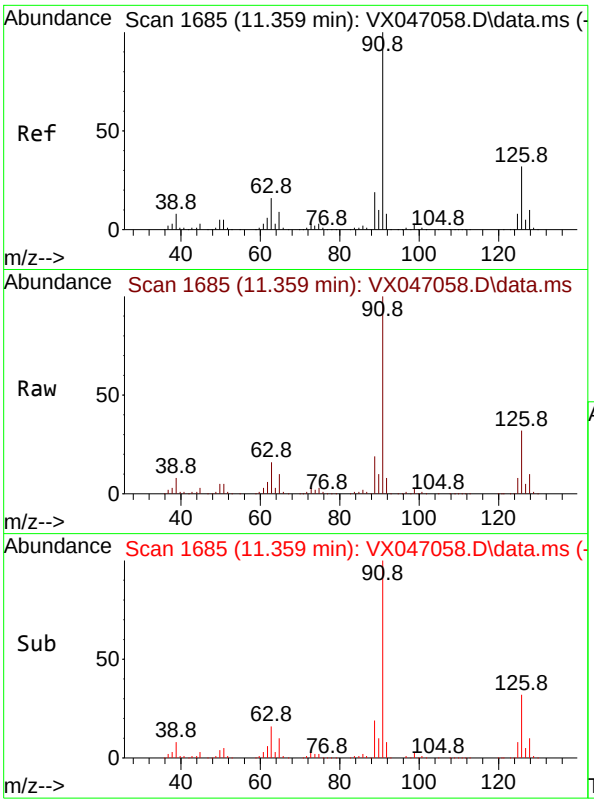


#78
n-propylbenzene
Concen: 54.290 ug/l
RT: 11.304 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 91 Resp: 1145472

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0



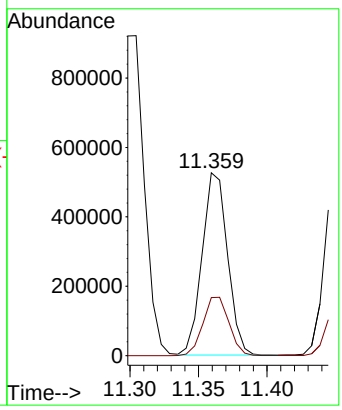


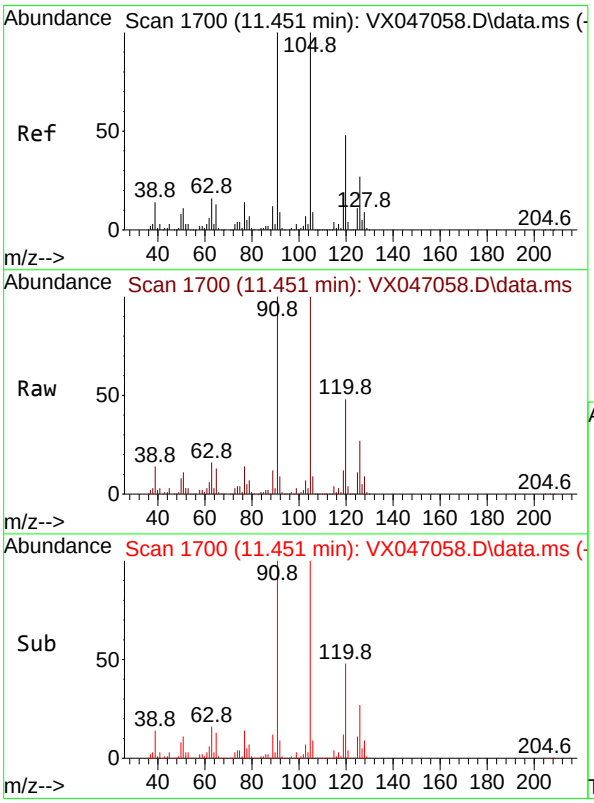
#79
2-Chlorotoluene
Concen: 53.739 ug/l
RT: 11.359 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 677779

Ion	Ratio	Lower	Upper
91	100		
126	32.9	16.4	49.4

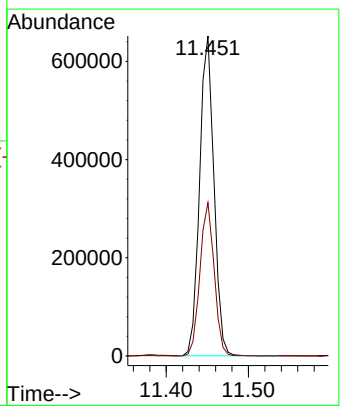


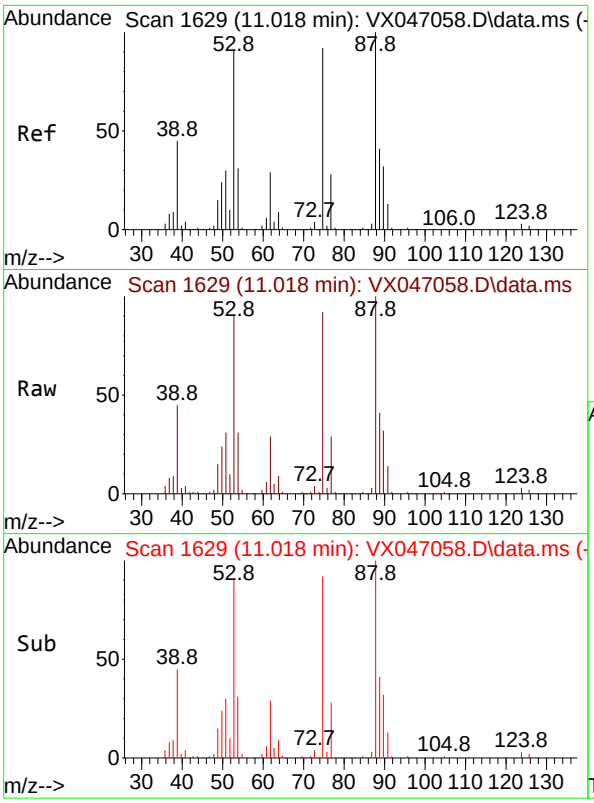


#80
1,3,5-Trimethylbenzene
Concen: 54.057 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:105 Resp: 788518

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.5



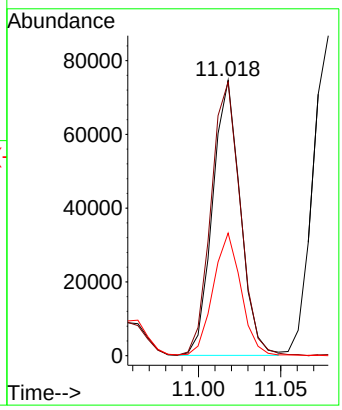


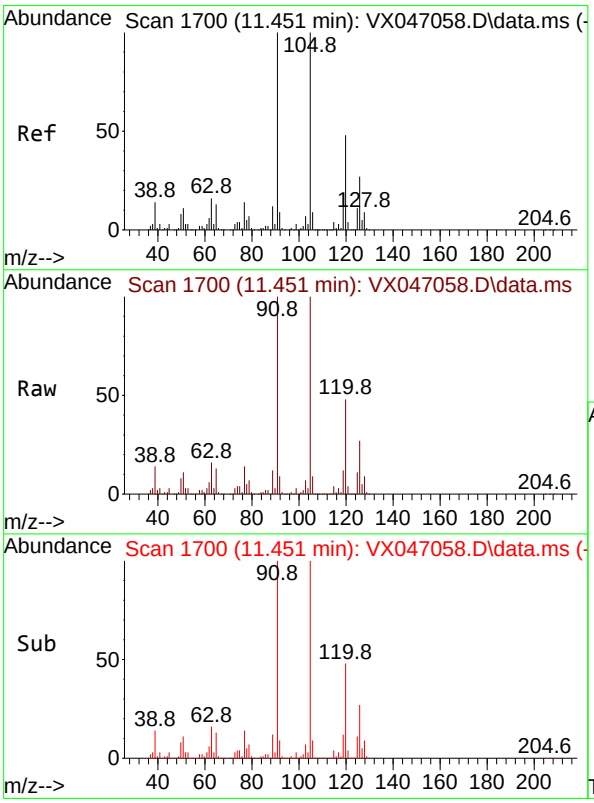
#81
trans-1,4-Dichloro-2-butene
Concen: 54.445 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 75 Resp: 87538

Ion	Ratio	Lower	Upper
75	100		
53	105.3	84.2	126.4
89	45.0	36.0	54.0

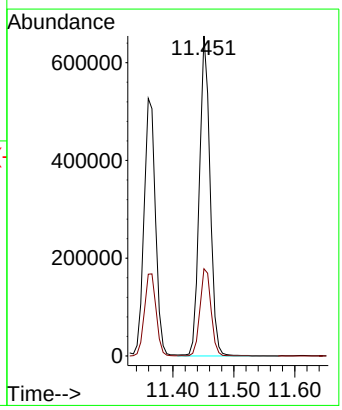


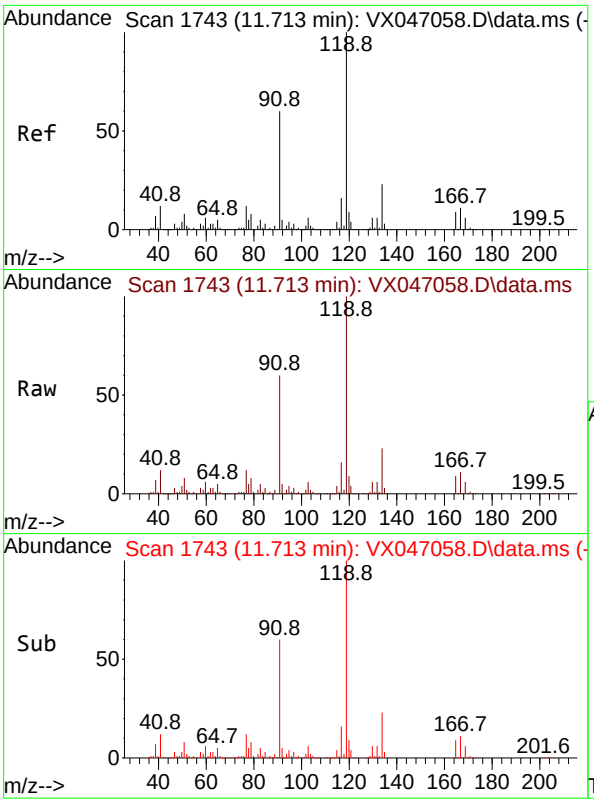


#82
4-Chlorotoluene
Concen: 54.249 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 91 Resp: 798628

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.3



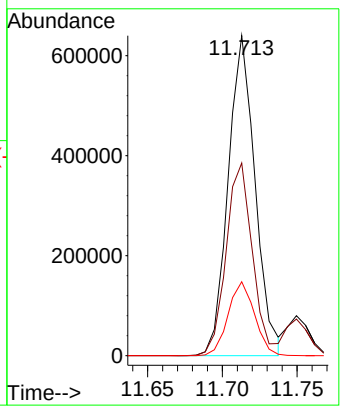


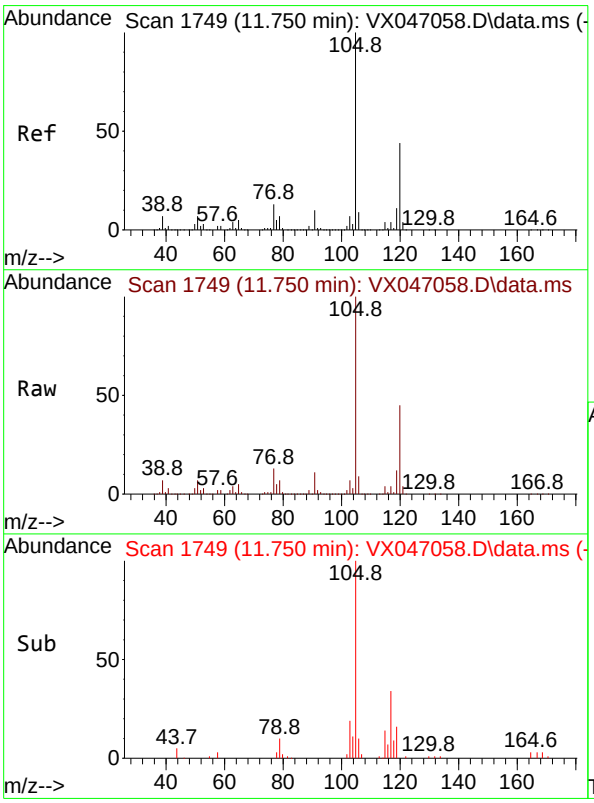
#83
tert-Butylbenzene
Concen: 54.819 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:119 Resp: 802592

Ion	Ratio	Lower	Upper
119	100		
91	59.2	29.6	88.8
134	22.7	11.4	34.1

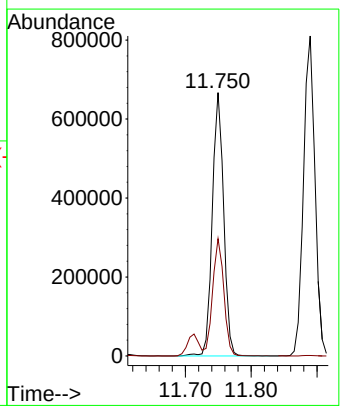


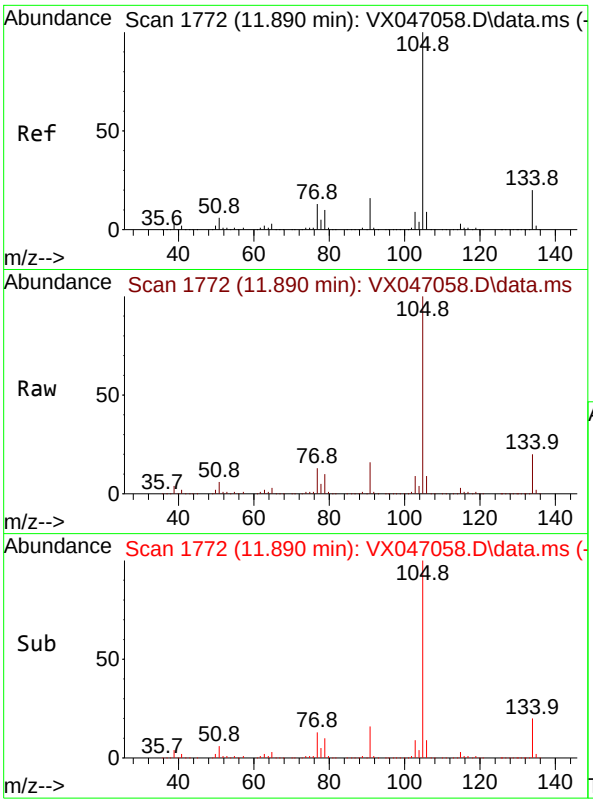


#84
1,2,4-Trimethylbenzene
Concen: 55.018 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:105 Resp: 800479

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.0	66.0



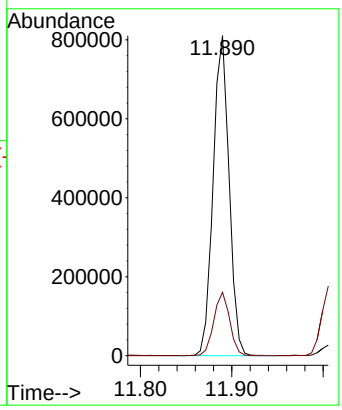


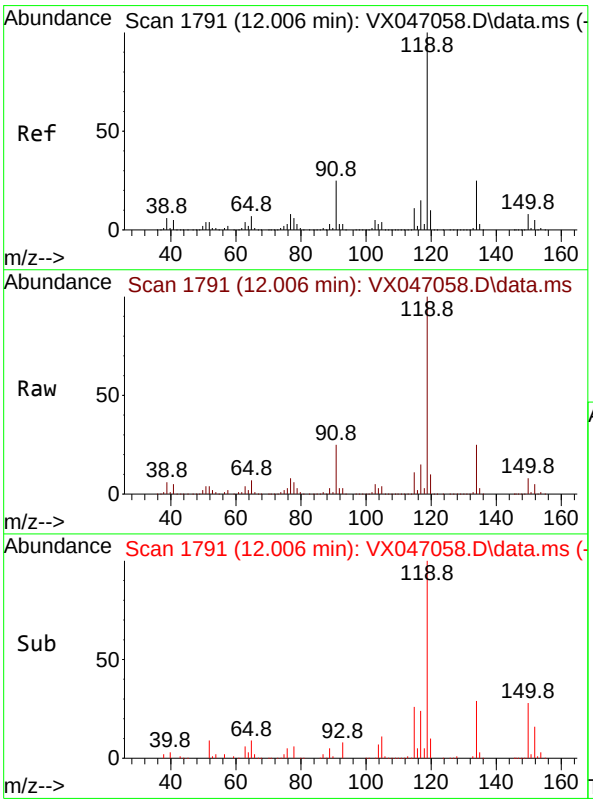
#85
sec-Butylbenzene
Concen: 53.809 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:105 Resp: 984328

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7

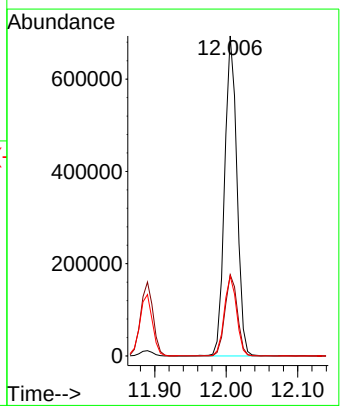


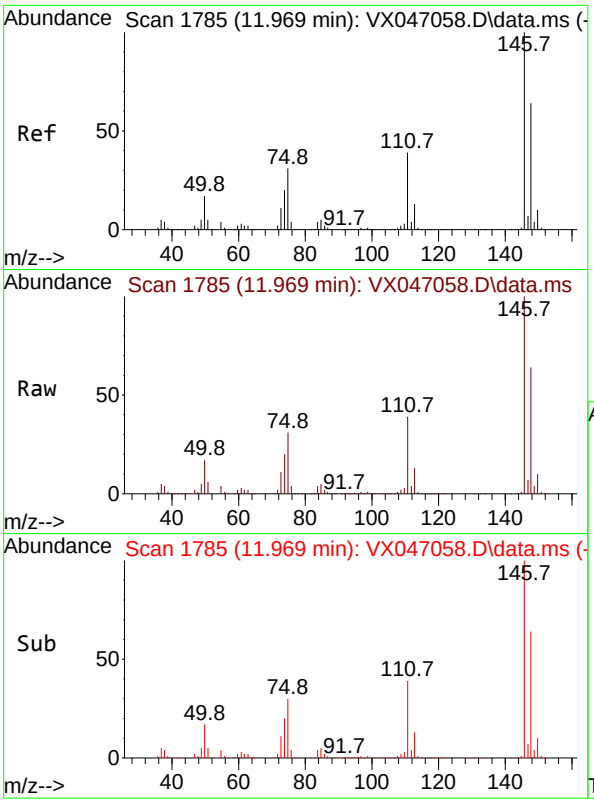


#86
p-Isopropyltoluene
Concen: 54.651 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:119 Resp: 829044

Ion	Ratio	Lower	Upper
119	100		
134	25.6	12.8	38.4
91	24.9	12.4	37.4



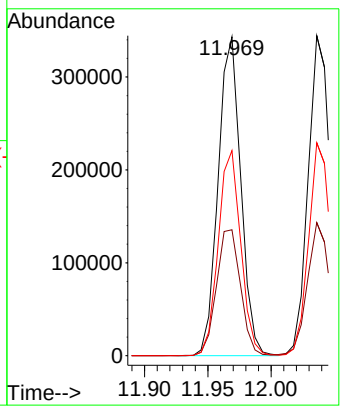


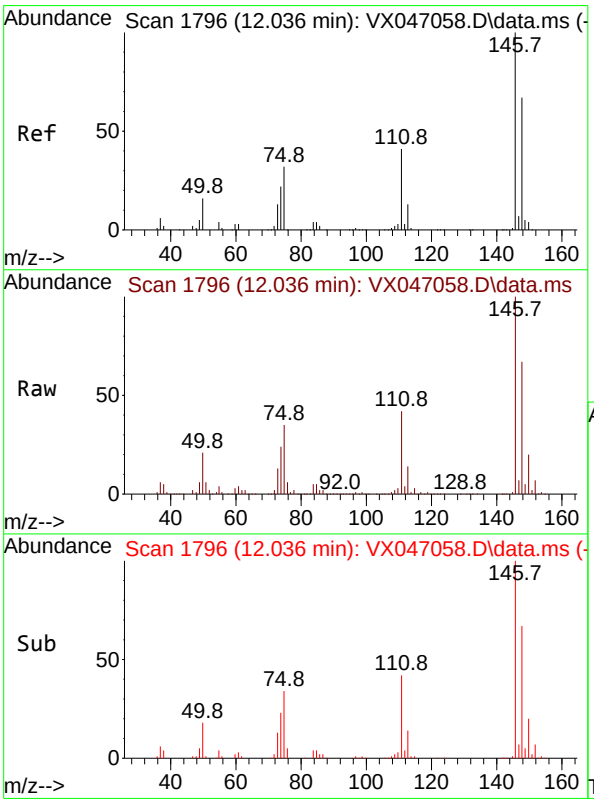
#87
1,3-Dichlorobenzene
Concen: 53.079 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 427108

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	64.0	32.0	96.0

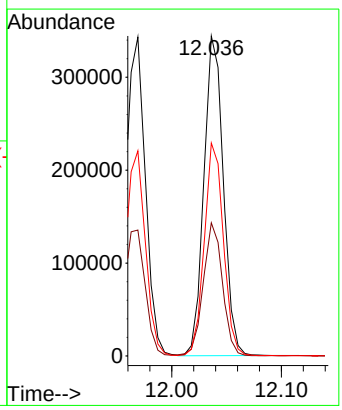


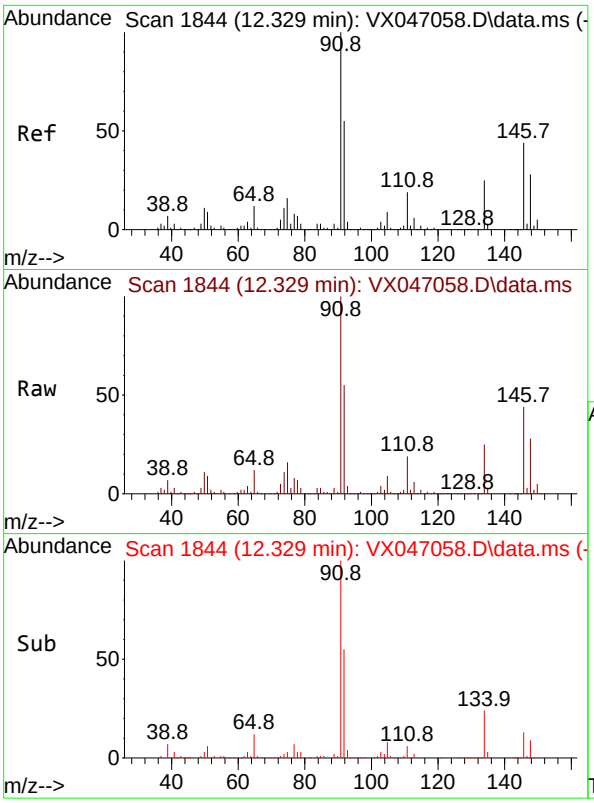


#88
1,4-Dichlorobenzene
Concen: 51.978 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:146 Resp: 423743

Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.6	61.9
148	65.9	33.0	98.9



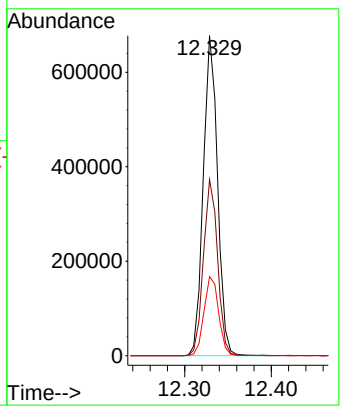


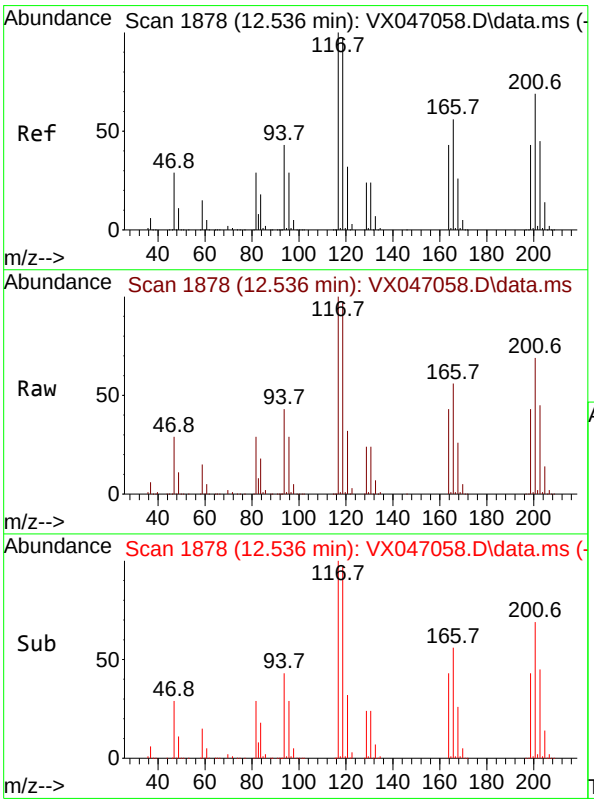
#89
n-Butylbenzene
Concen: 54.372 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion: 91 Resp: 773506

Ion	Ratio	Lower	Upper
91	100		
92	55.0	27.5	82.5
134	25.5	12.8	38.3

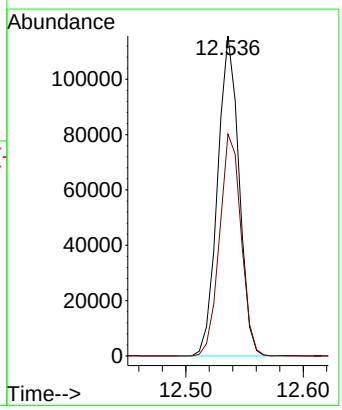


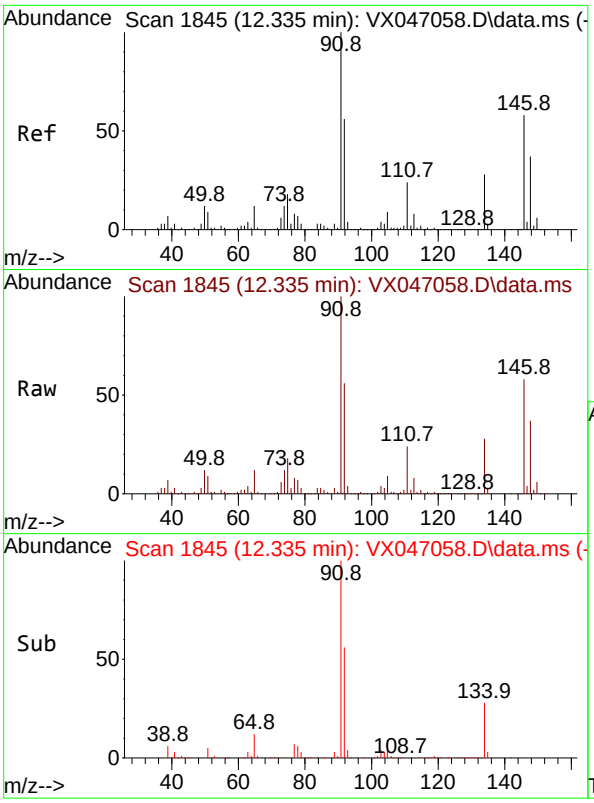


#90
Hexachloroethane
Concen: 54.011 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:117 Resp: 146577

Ion	Ratio	Lower	Upper
117	100		
201	69.7	34.8	104.5



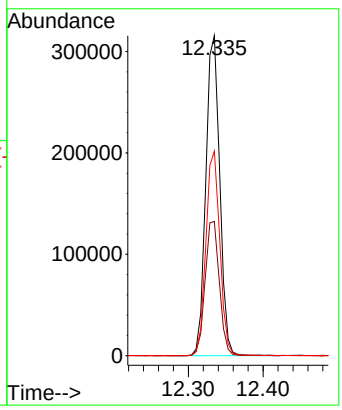


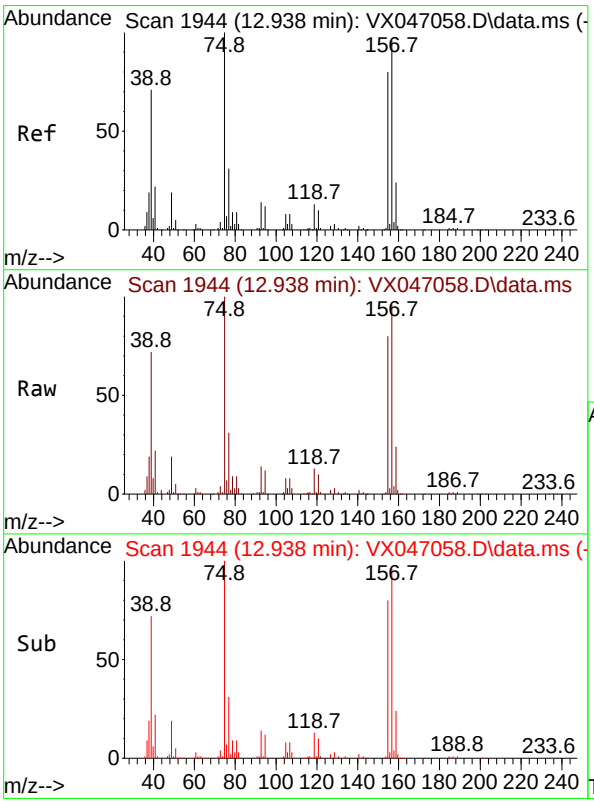
#91
1,2-Dichlorobenzene
Concen: 53.076 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:146 Resp: 408192

Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.6
148	63.8	31.9	95.7

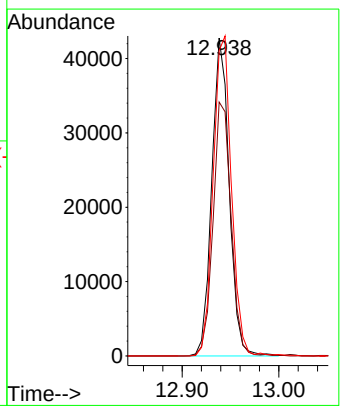


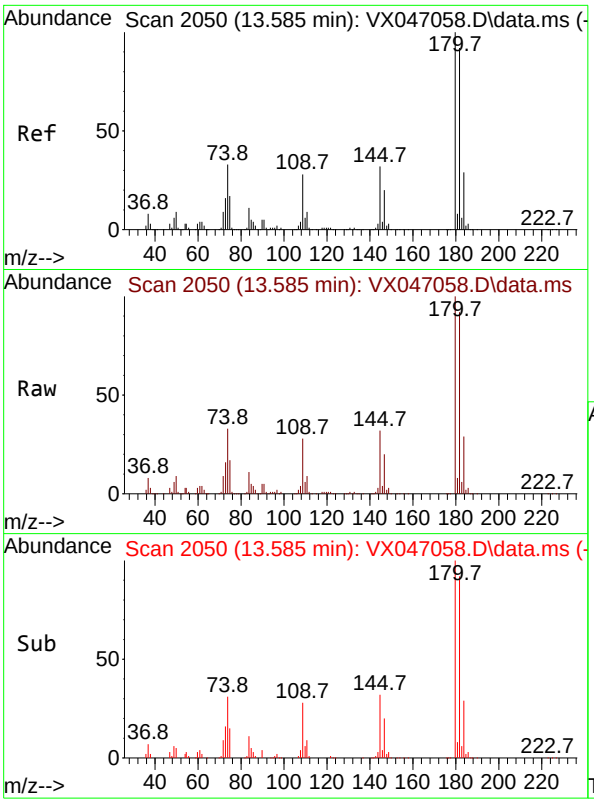


#92
1,2-Dibromo-3-Chloropropane
Concen: 55.328 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion: 75 Resp: 53563

Ion	Ratio	Lower	Upper
75	100		
155	82.7	41.3	124.1
157	105.5	52.8	158.3



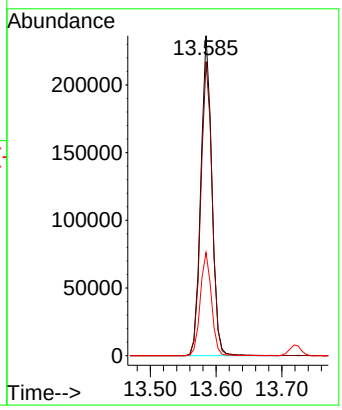


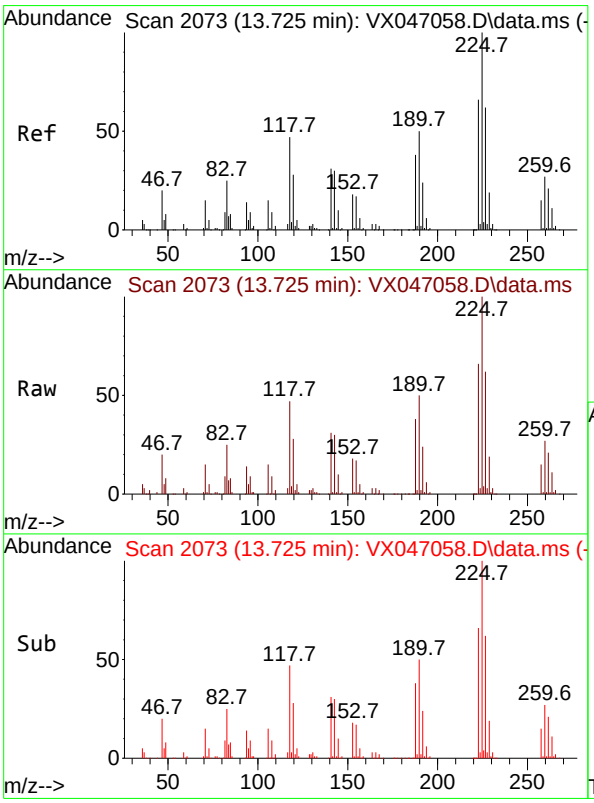
#93
1,2,4-Trichlorobenzene
Concen: 53.926 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:180 Resp: 274012

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	32.7	16.4	49.1

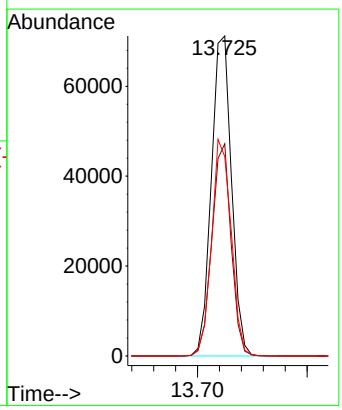


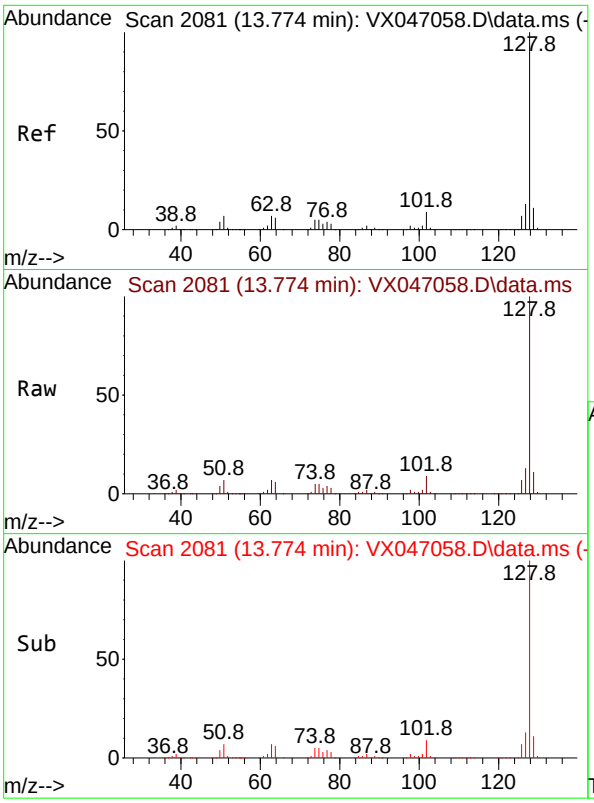


#94
Hexachlorobutadiene
Concen: 52.553 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:225 Resp: 90816

Ion	Ratio	Lower	Upper
225	100		
223	63.3	31.6	95.0
227	65.7	32.9	98.6



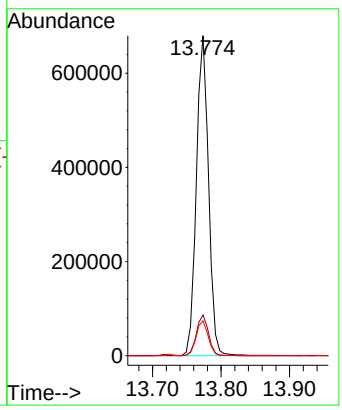


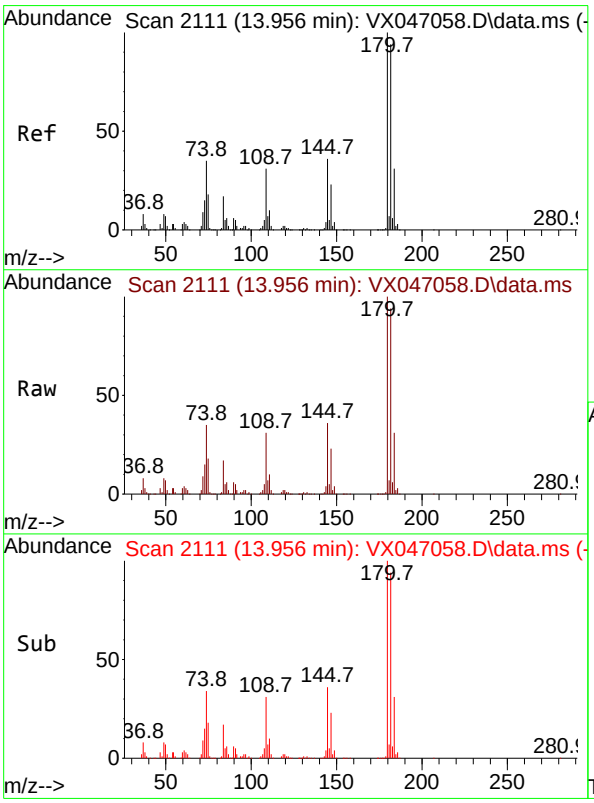
#95
Naphthalene
Concen: 56.390 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Tgt Ion:128 Resp: 839990

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.8	8.6	13.0

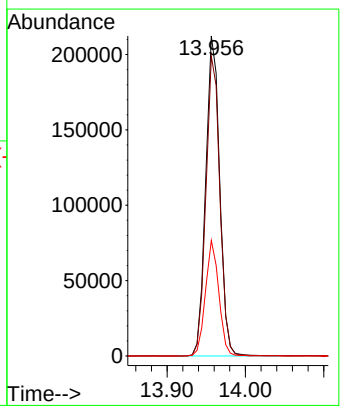




#96
1,2,3-Trichlorobenzene
Concen: 53.580 ug/l
RT: 13.956 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047058.D
Acq: 21 Jul 2025 10:50

Tgt Ion:180 Resp: 262282

Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	34.7	17.3	52.0



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

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

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	266722	104.648	ug/l		99
42) 1,2-Dichloroethane	6.092	62	514986	95.493	ug/l		99
43) Isopropyl Acetate	6.342	43	782743	103.002	ug/l		99
44) Trichloroethene	7.129	130	372515	94.887	ug/l		99
45) 1,2-Dichloropropane	7.434	63	364769	95.131	ug/l		97
46) Dibromomethane	7.586	93	262070	97.464	ug/l		100
47) Bromodichloromethane	7.824	83	545715	95.349	ug/l		98
48) Methyl methacrylate	7.696	41	406578	98.210	ug/l		100
49) 1,4-Dioxane	7.659	88	97685	2074.633	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	2213299	490.000	ug/l		100
52) Toluene	8.720	92	900379	95.648	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	550435	101.846	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	595662	100.700	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	333552	94.482	ug/l		99
56) Ethyl methacrylate	9.116	69	546929	104.649	ug/l		99
57) 1,3-Dichloropropane	9.311	76	579525	94.454	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.244	63	1489901	512.296	ug/l		100
59) 2-Hexanone	9.433	43	1534390	514.162	ug/l		99
60) Dibromochloromethane	9.519	129	400453	96.718	ug/l		100
61) 1,2-Dibromoethane	9.610	107	350348	94.909	ug/l		99
64) Tetrachloroethene	9.275	164	299042	93.490	ug/l		96
65) Chlorobenzene	10.079	112	988883	95.134	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	338141	96.621	ug/l		99
67) Ethyl Benzene	10.195	91	1752485	96.425	ug/l		99
68) m/p-Xylenes	10.299	106	1302405	191.494	ug/l		99
69) o-Xylene	10.640	106	624795	96.565	ug/l		99
70) Styrene	10.652	104	1072801	96.694	ug/l		100
71) Bromoform	10.799	173	259124	97.473	ug/l	#	99
73) Isopropylbenzene	10.963	105	1645804	99.034	ug/l		100
74) N-amyl acetate	10.841	43	698465	105.369	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	457057	96.283	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	514787	132.033	ug/l		82
77) Bromobenzene	11.195	156	389788	97.789	ug/l		99
78) n-propylbenzene	11.305	91	1945548	97.969	ug/l		99
79) 2-Chlorotoluene	11.366	91	1150165	96.889	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	1340151	97.612	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	158030	104.426	ug/l		97
82) 4-Chlorotoluene	11.451	91	1340796	96.766	ug/l		99
83) tert-Butylbenzene	11.713	119	1347206	97.765	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	1346982	98.362	ug/l		99
85) sec-Butylbenzene	11.890	105	1682208	97.702	ug/l		100
86) p-Isopropyltoluene	12.006	119	1404678	98.379	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	717851	94.782	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	726014	94.617	ug/l		98
89) n-Butylbenzene	12.329	91	1323274	98.826	ug/l		100
90) Hexachloroethane	12.536	117	260929	102.152	ug/l		100
91) 1,2-Dichlorobenzene	12.329	146	684462	94.557	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	97209	106.683	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	481866	100.755	ug/l		100
94) Hexachlorobutadiene	13.725	225	165153	101.539	ug/l		98
95) Naphthalene	13.774	128	1474039	105.135	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	464244	100.760	ug/l		100

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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

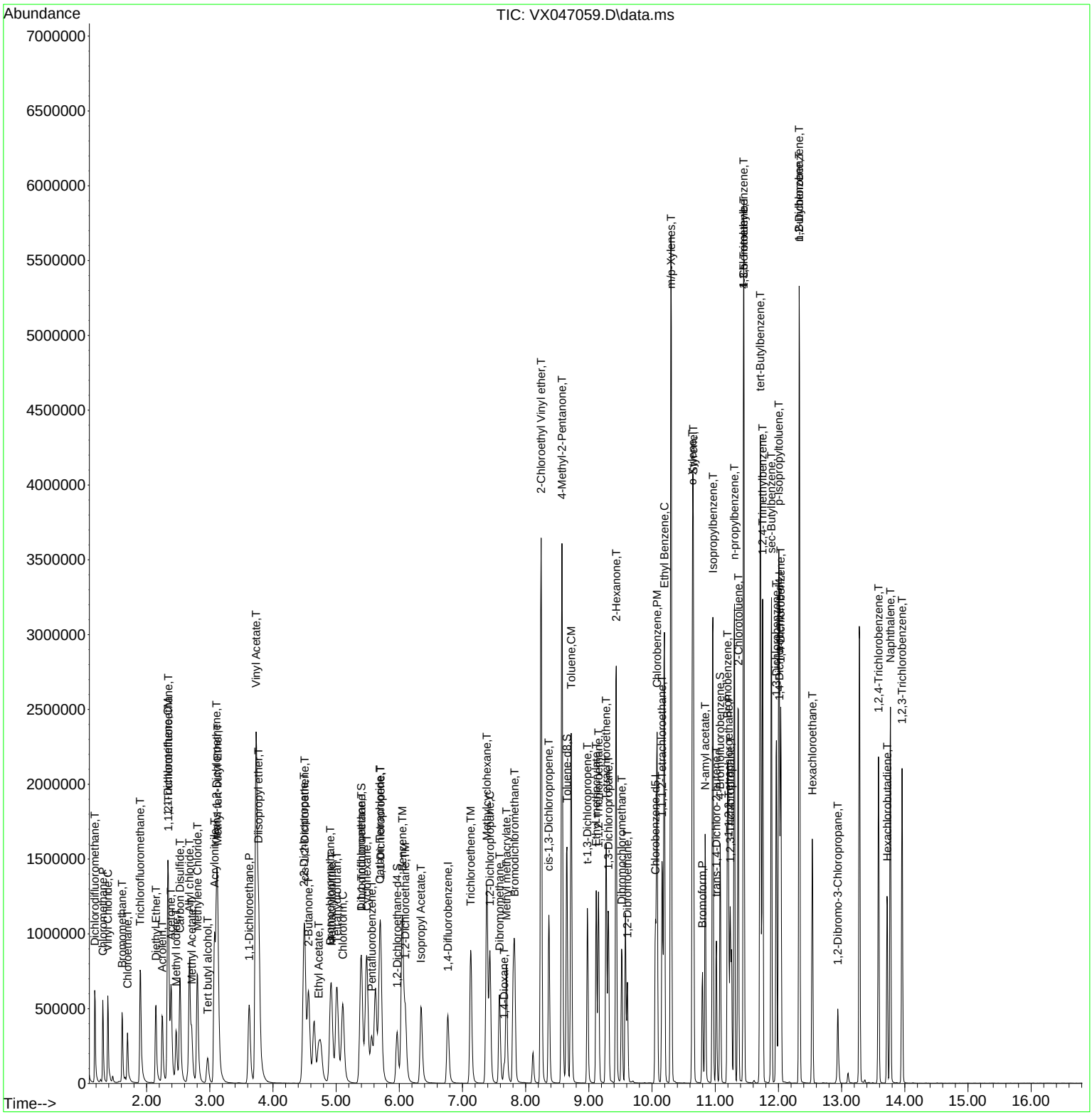
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

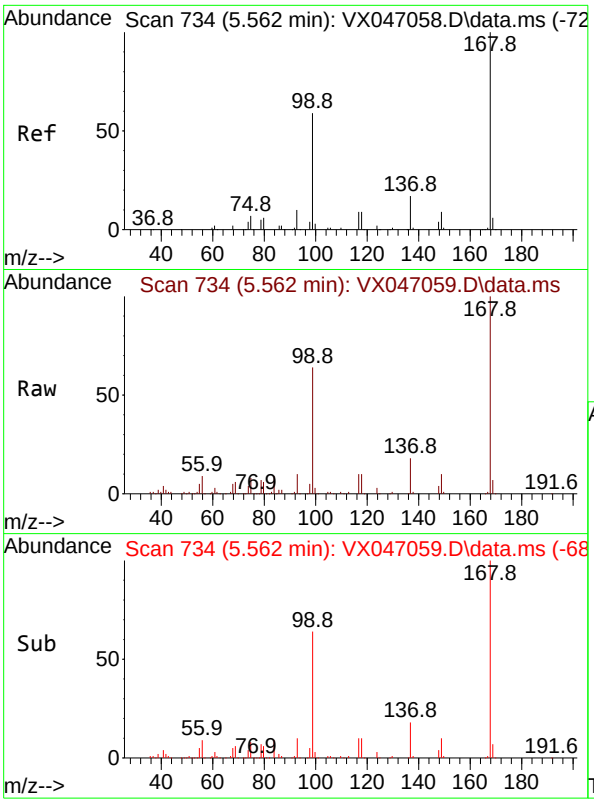
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

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



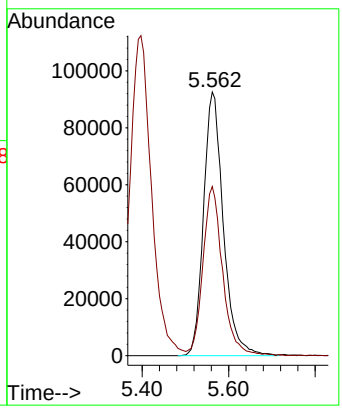


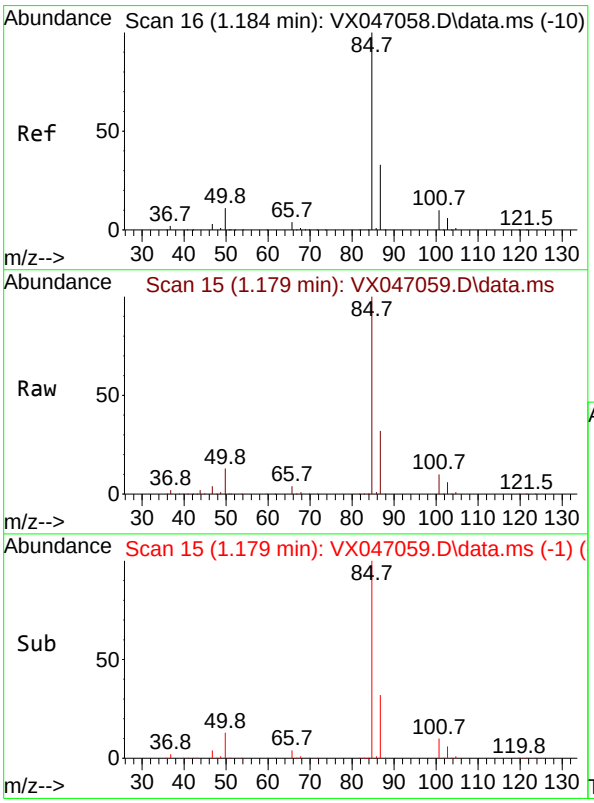
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:168 Resp: 293211

Ion	Ratio	Lower	Upper
168	100		
99	63.8	48.0	72.0

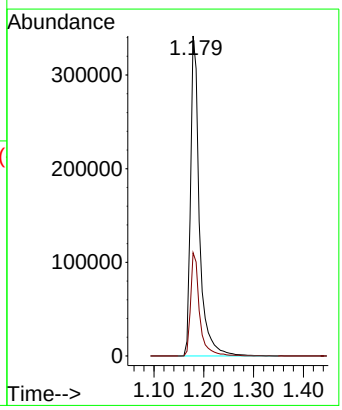


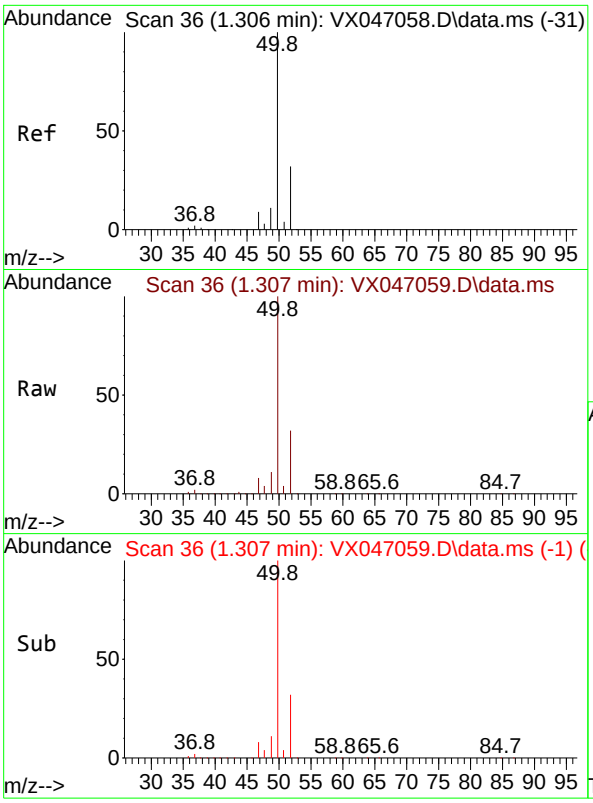


#2
Dichlorodifluoromethane
Concen: 108.536 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 85 Resp: 422702

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8



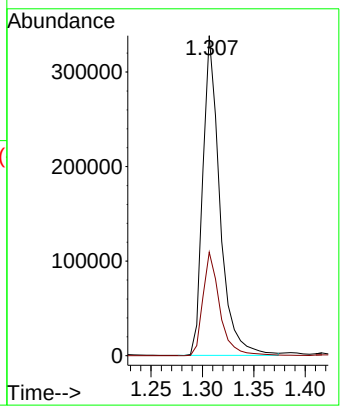


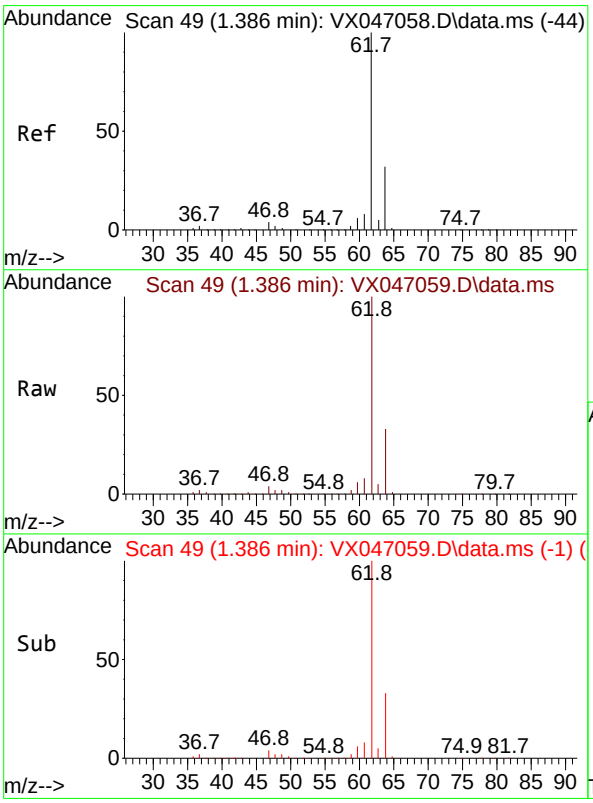
#3
Chloromethane
Concen: 101.483 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 50 Resp: 390958

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.4	38.2

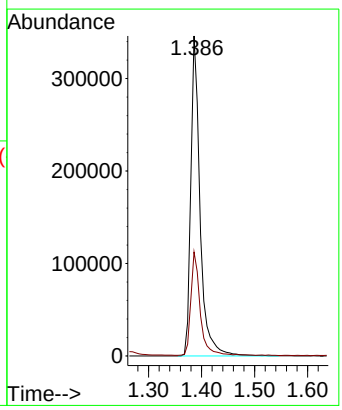


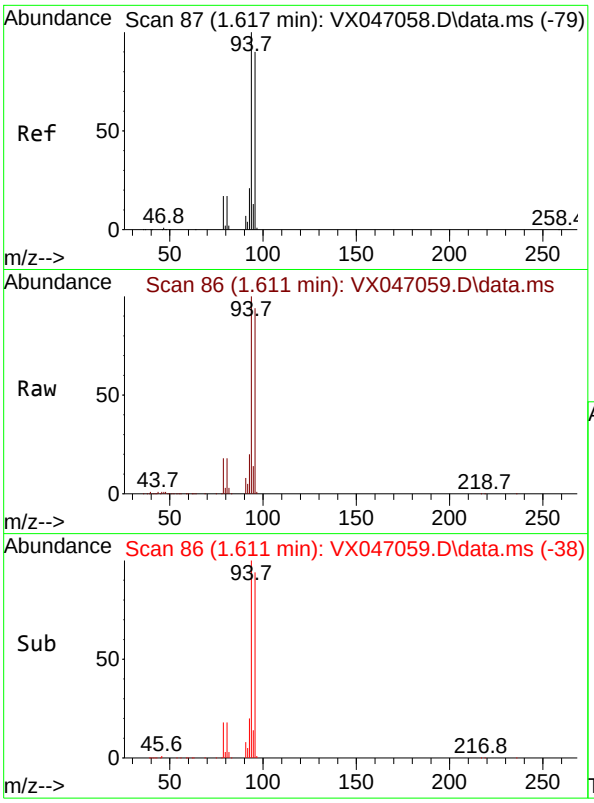


#4
Vinyl Chloride
Concen: 101.428 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 62 Resp: 420036

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8



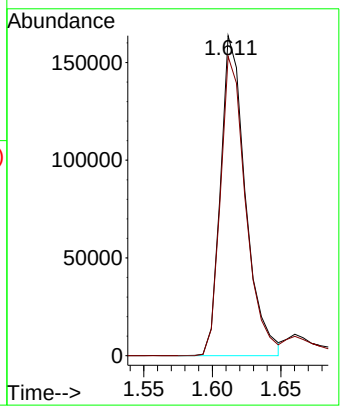


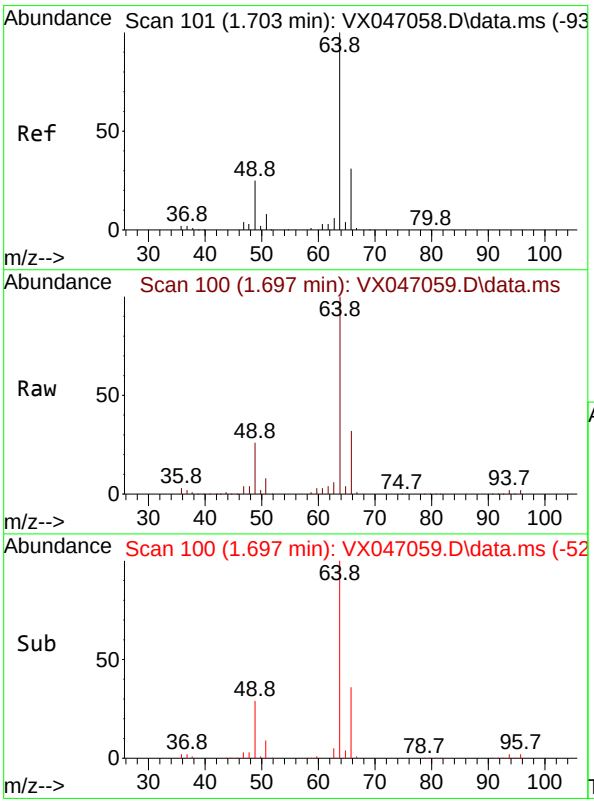
#5
Bromomethane
Concen: 92.097 ug/l
RT: 1.611 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 94 Resp: 207177

Ion	Ratio	Lower	Upper
94	100		
96	94.6	72.3	108.5

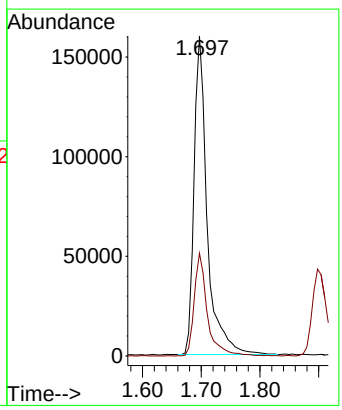


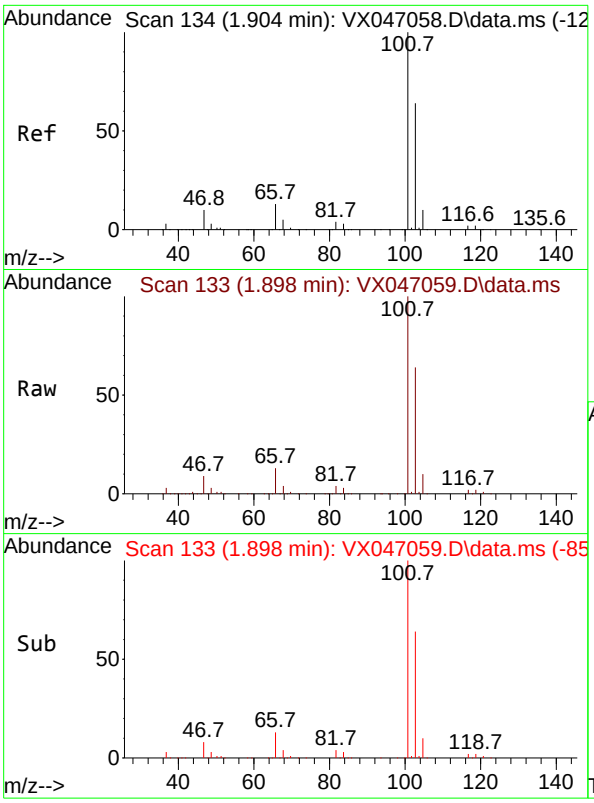


#6
Chloroethane
Concen: 91.235 ug/l
RT: 1.697 min Scan# 100
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 64 Resp: 248151

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.0	37.6



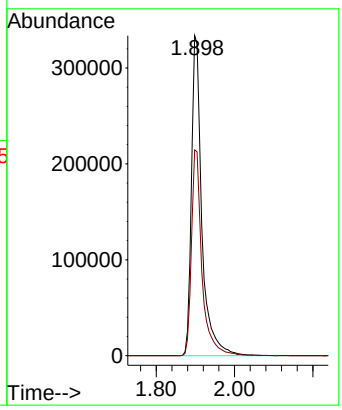


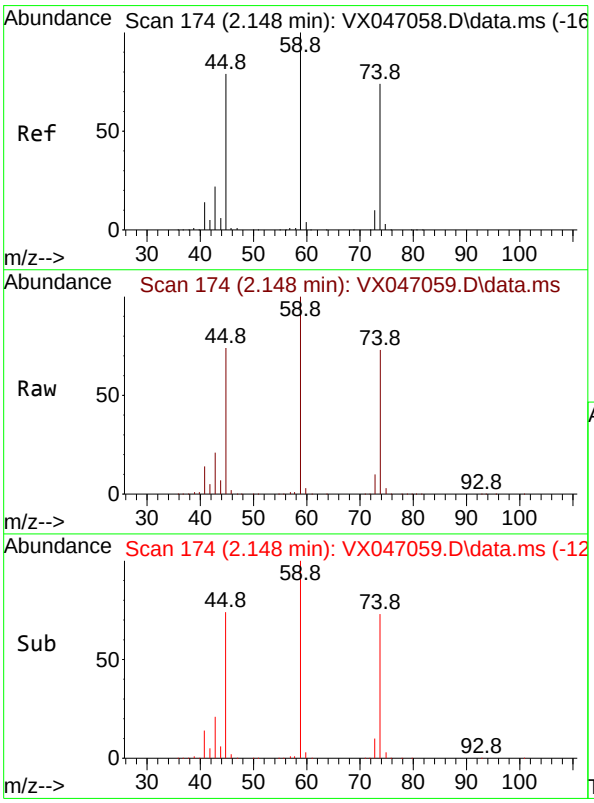
#7
Trichlorofluoromethane
Concen: 100.093 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 618083

Ion	Ratio	Lower	Upper
101	100		
103	64.3	50.9	76.3

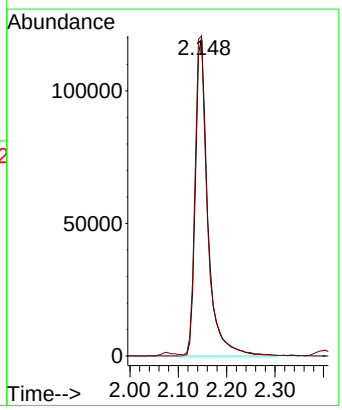


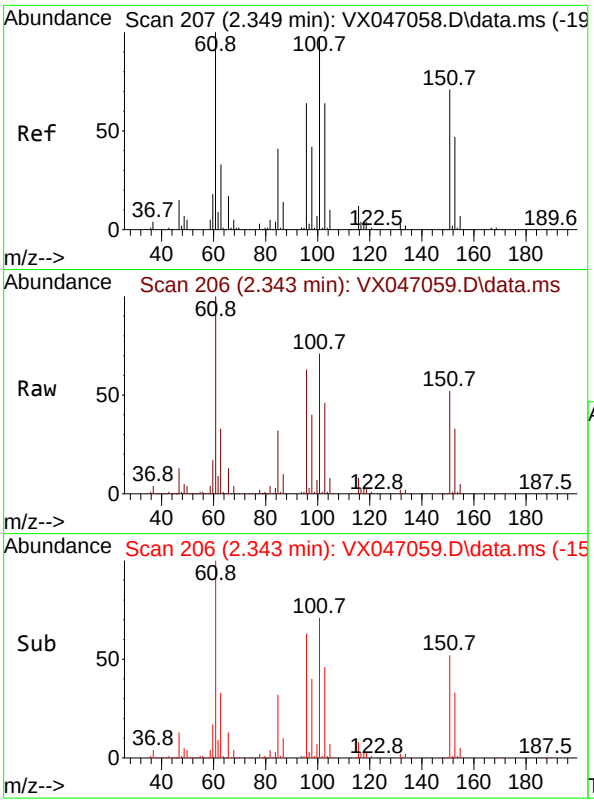


#8
Diethyl Ether
Concen: 98.730 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 74 Resp: 214962

Ion	Ratio	Lower	Upper
74	100		
45	101.2	53.0	159.0



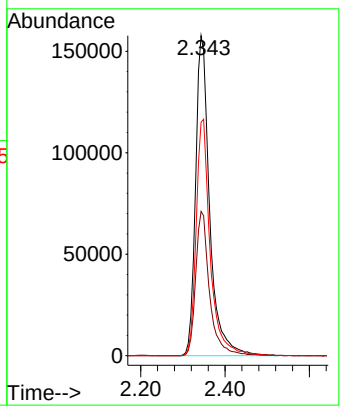


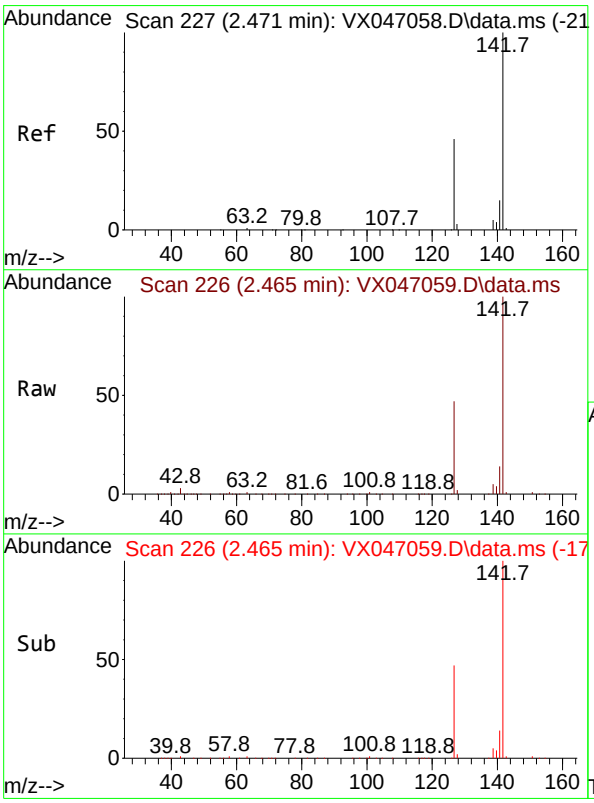
#9
1,1,2-Trichlorotrifluoroethane
Concen: 98.771 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:101 Resp: 367465

Ion	Ratio	Lower	Upper
101	100		
85	44.5	35.4	53.0
151	73.7	59.2	88.8

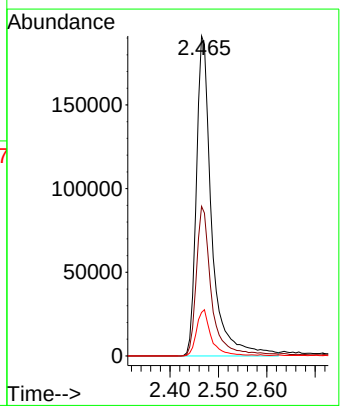


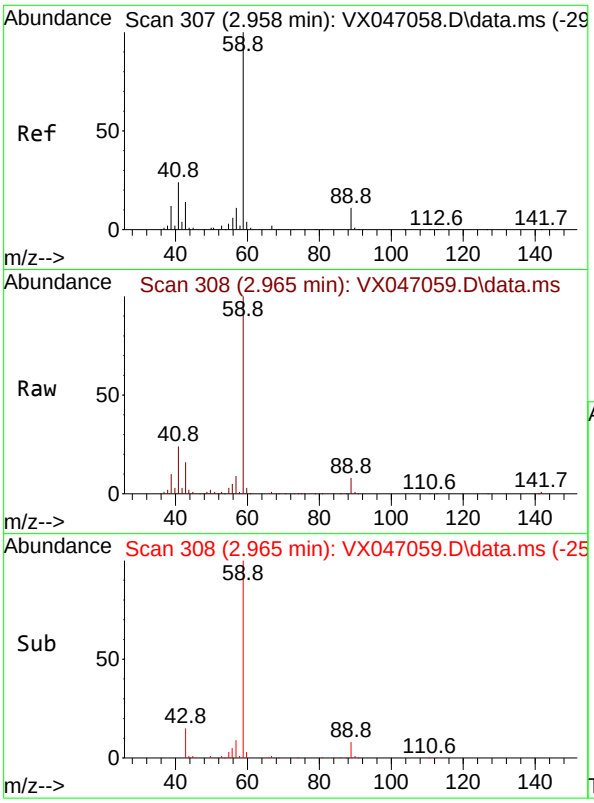


#10
Methyl Iodide
Concen: 111.100 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:142 Resp: 421251

Ion	Ratio	Lower	Upper
142	100		
127	46.5	36.6	54.8
141	13.7	10.9	16.3



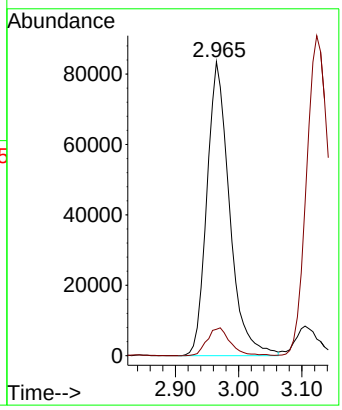


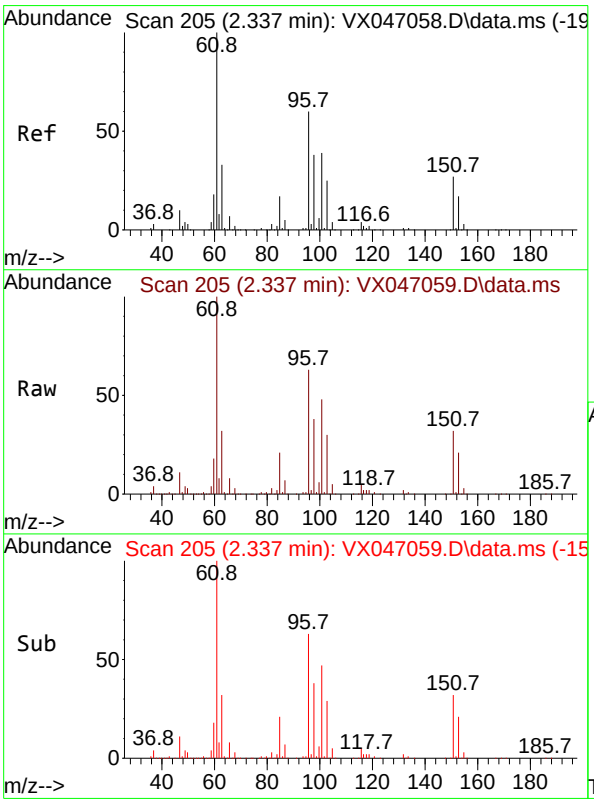
#11
Tert butyl alcohol
Concen: 496.373 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 59 Resp: 207609

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7

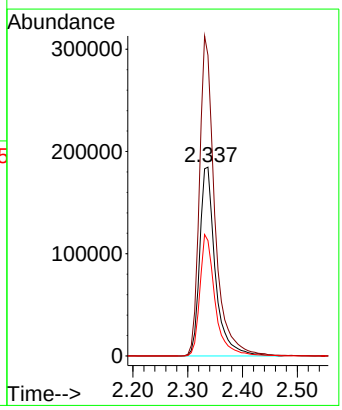


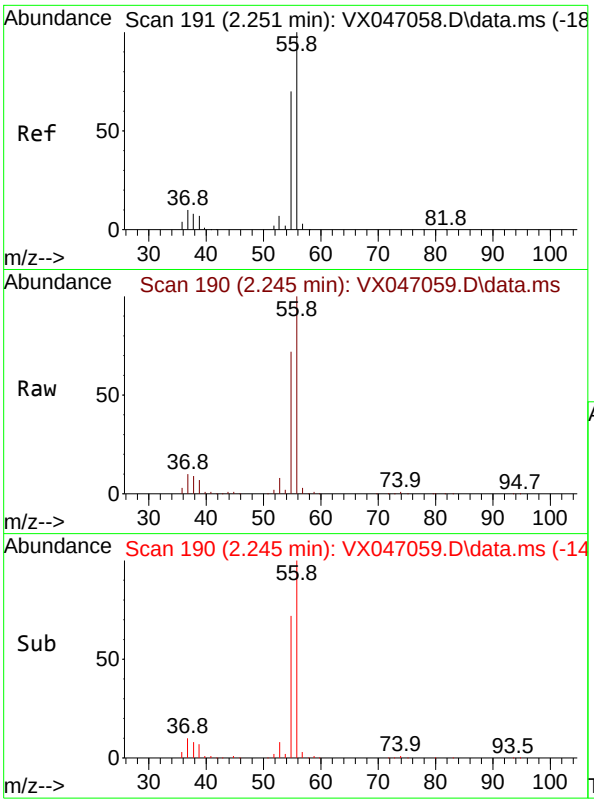


#12
1,1-Dichloroethene
Concen: 99.237 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 96 Resp: 365672

Ion	Ratio	Lower	Upper
96	100		
61	159.2	132.6	198.8
98	61.1	50.2	75.4



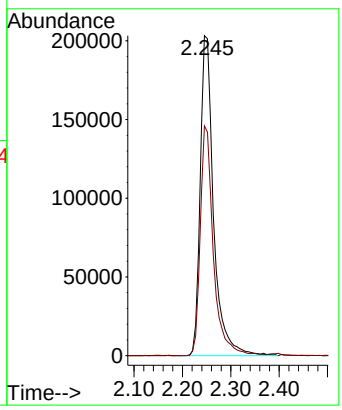


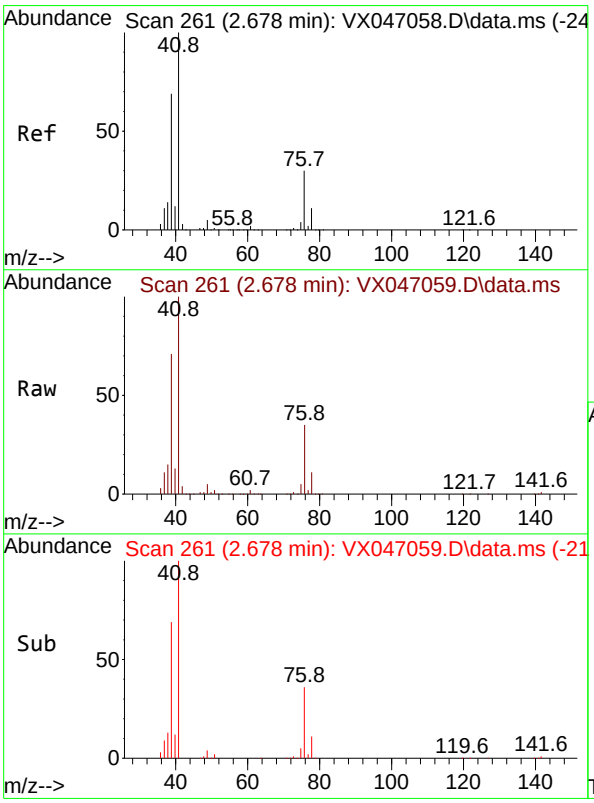
#13
Acrolein
Concen: 496.280 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 390297

Ion	Ratio	Lower	Upper
56	100		
55	70.6	55.7	83.5

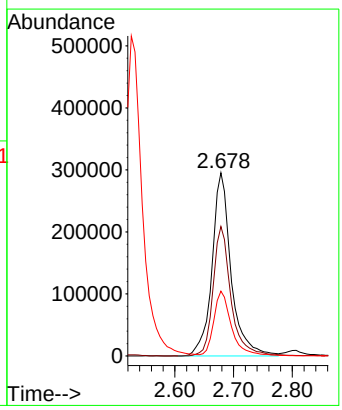


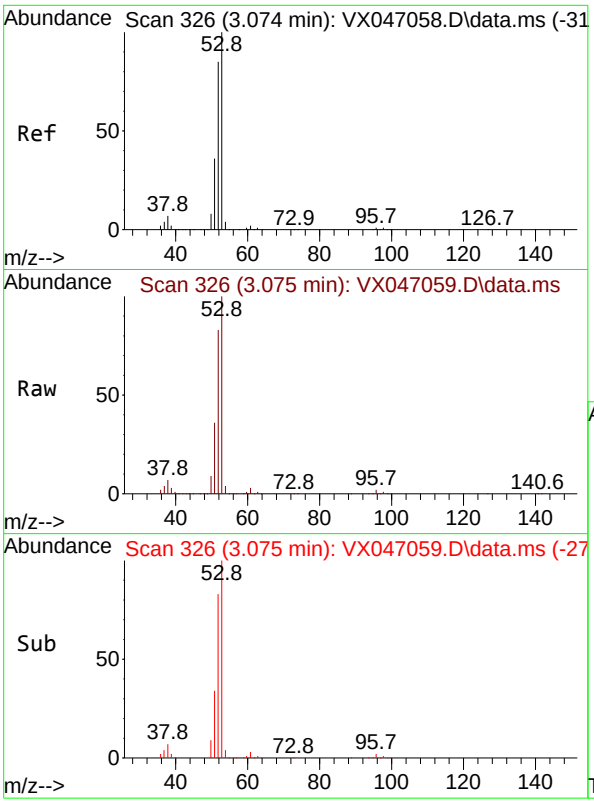


#14
Allyl chloride
Concen: 100.294 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 41 Resp: 668038

Ion	Ratio	Lower	Upper
41	100		
39	66.1	52.6	78.8
76	32.9	25.7	38.5



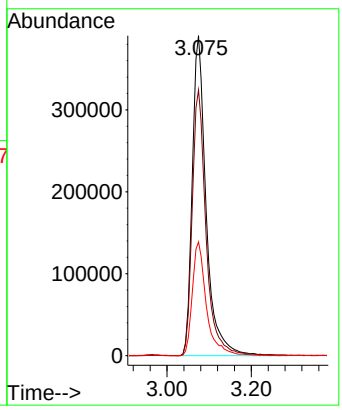


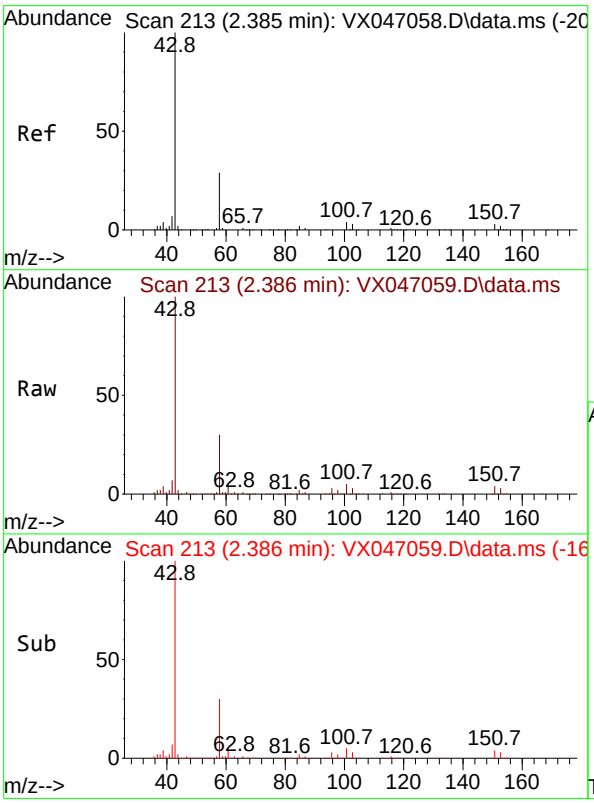
#15
Acrylonitrile
Concen: 514.199 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 53 Resp: 895719

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	36.3	28.8	43.2

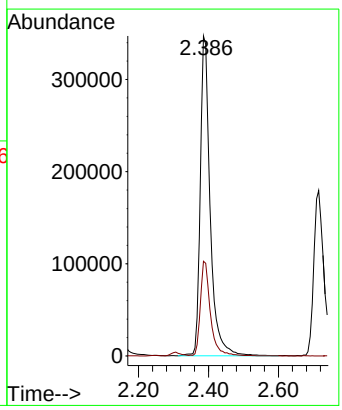


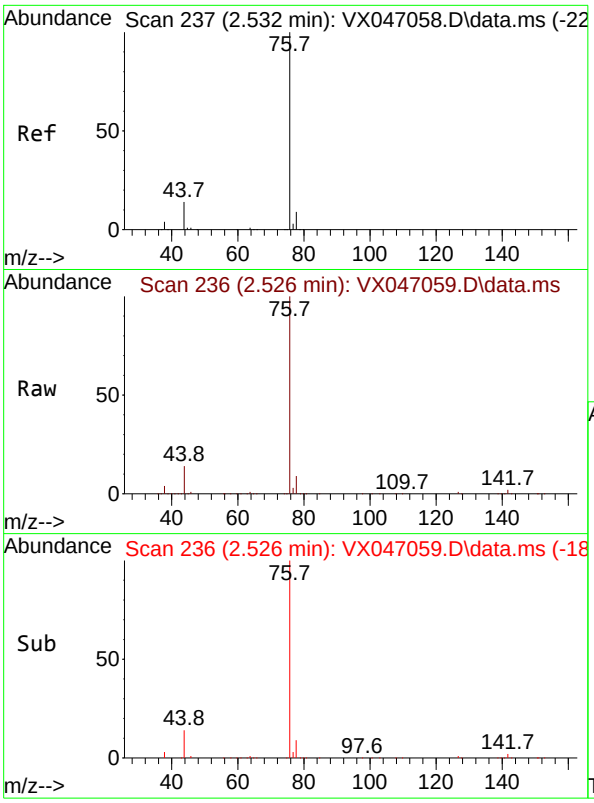


#16
Acetone
Concen: 465.214 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 43 Resp: 680698

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.0	36.0



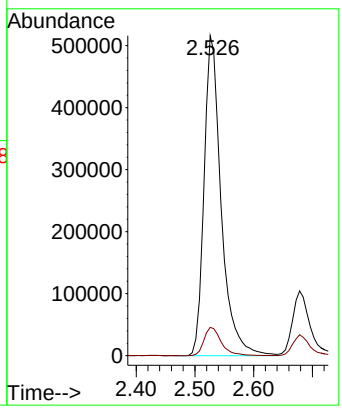


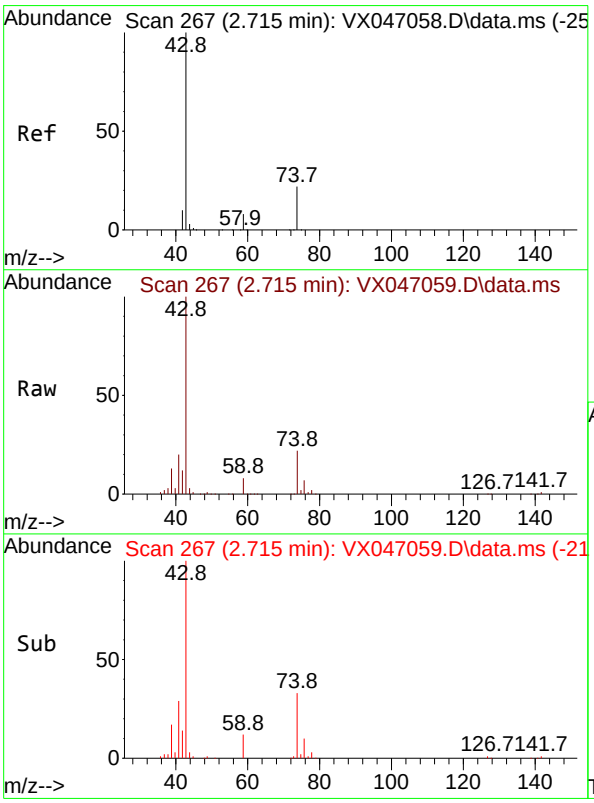
#17
Carbon Disulfide
Concen: 98.086 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 1045599

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.0	10.4

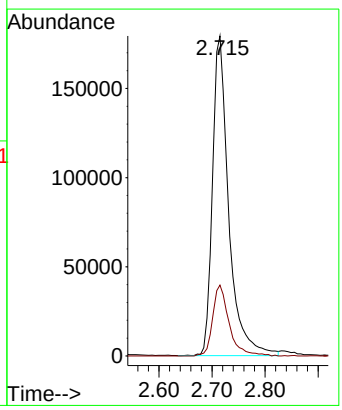


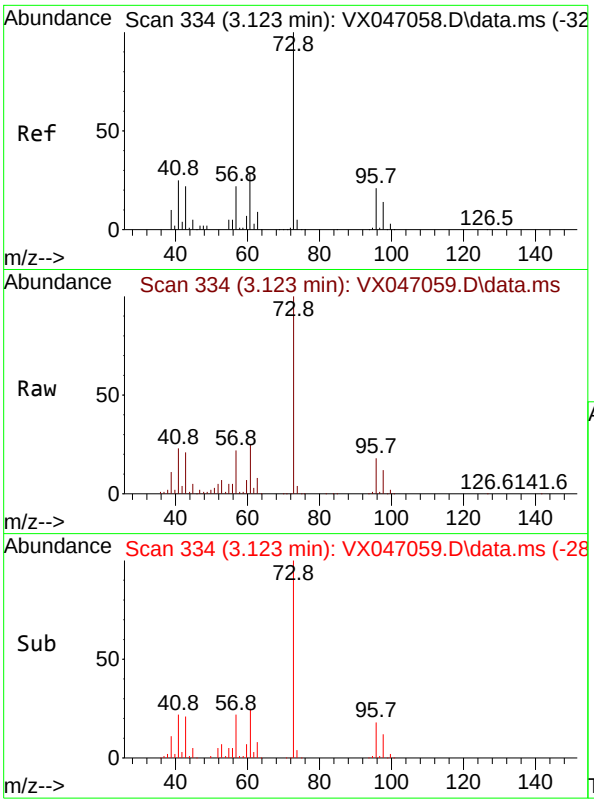


#18
Methyl Acetate
Concen: 98.118 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 43 Resp: 381521

Ion	Ratio	Lower	Upper
43	100		
74	22.5	17.7	26.5



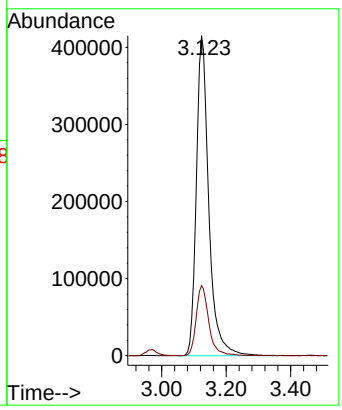


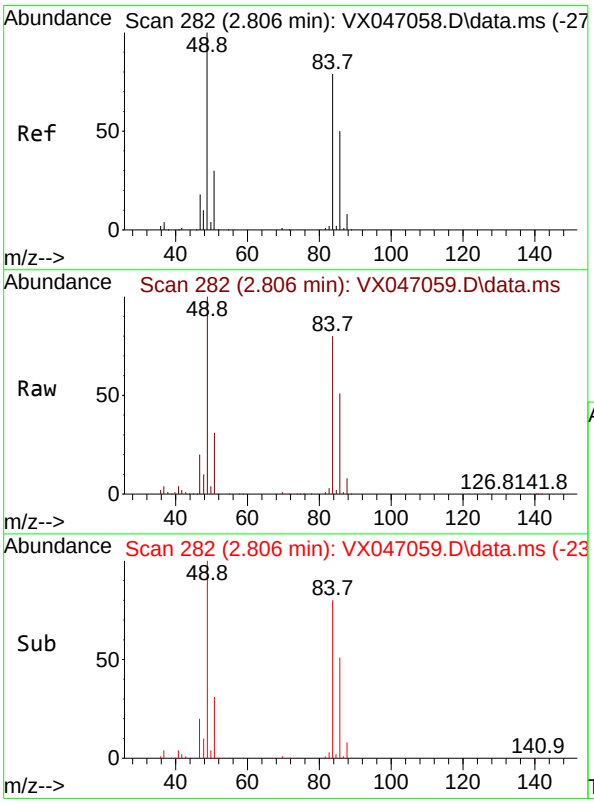
#19
Methyl tert-butyl Ether
Concen: 98.907 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 73 Resp: 1109184

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

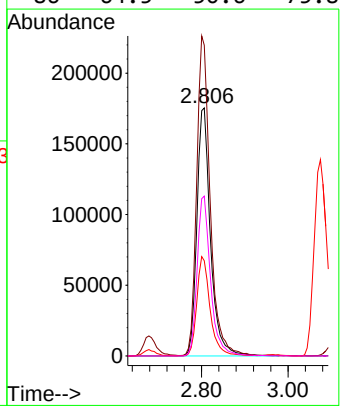


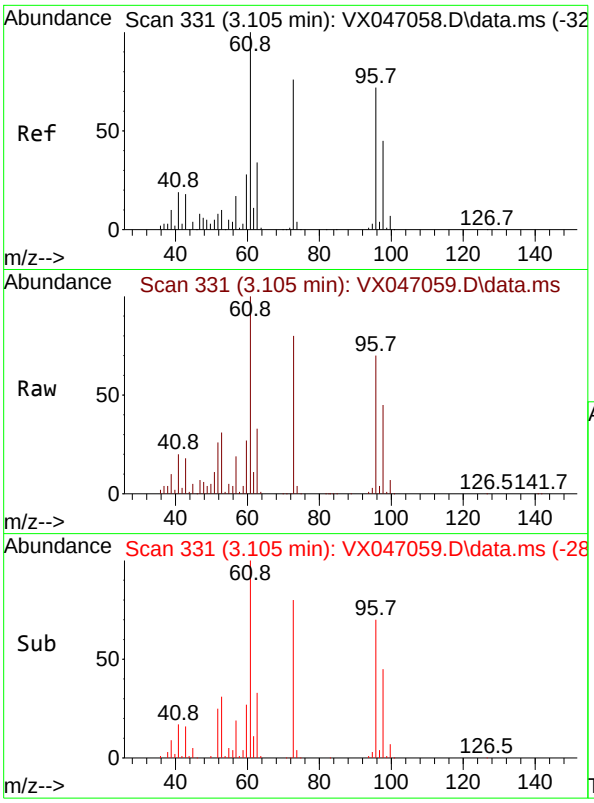


#20
Methylene Chloride
Concen: 95.122 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 84 Resp: 382904

Ion	Ratio	Lower	Upper
84	100		
49	125.1	101.6	152.4
51	38.3	30.3	45.5
86	64.5	50.6	75.8



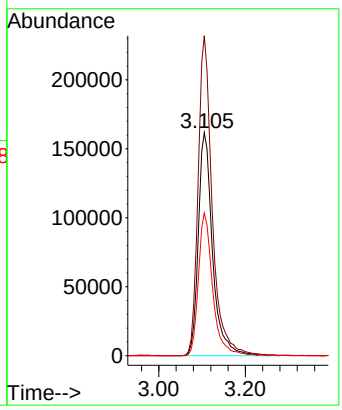


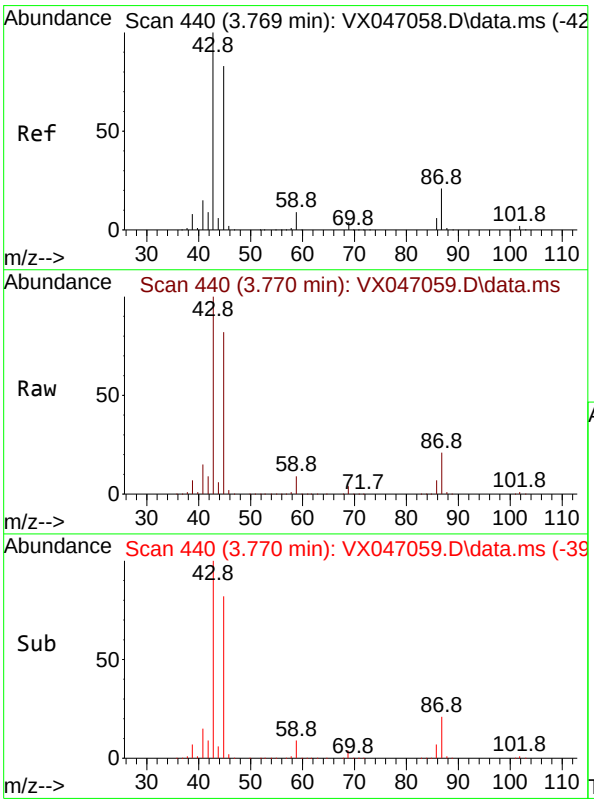
#21
trans-1,2-Dichloroethene
Concen: 98.339 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 370810

Ion	Ratio	Lower	Upper
96	100		
61	143.5	111.1	166.7
98	64.0	49.6	74.4

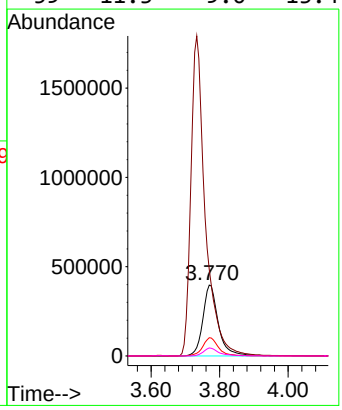


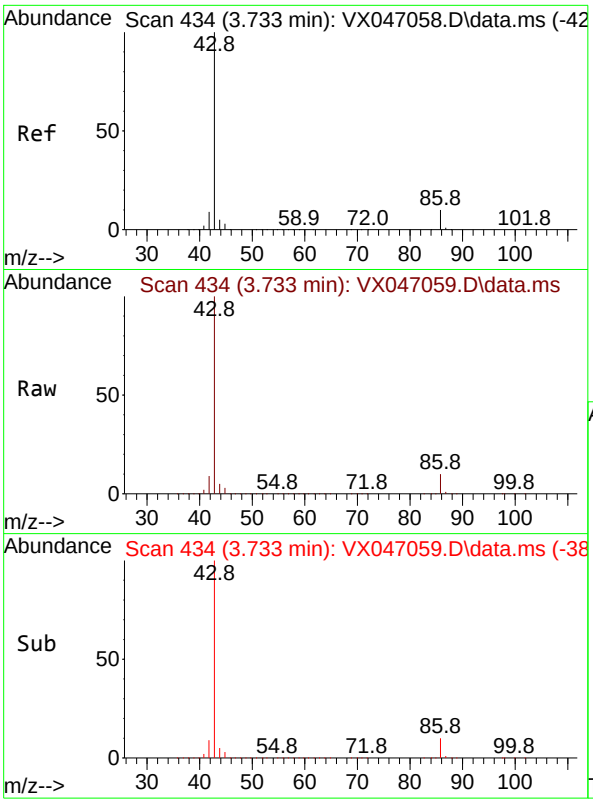


#22
Diisopropyl ether
Concen: 97.342 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 45 Resp: 1246566

Ion	Ratio	Lower	Upper
45	100		
43	121.8	96.8	145.2
87	25.7	20.5	30.7
59	11.3	9.0	13.4



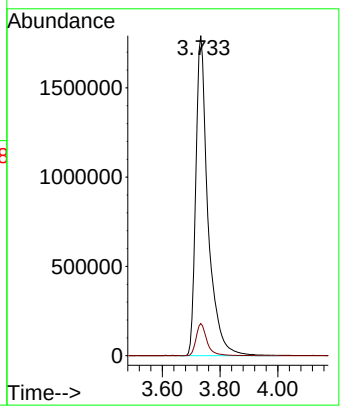


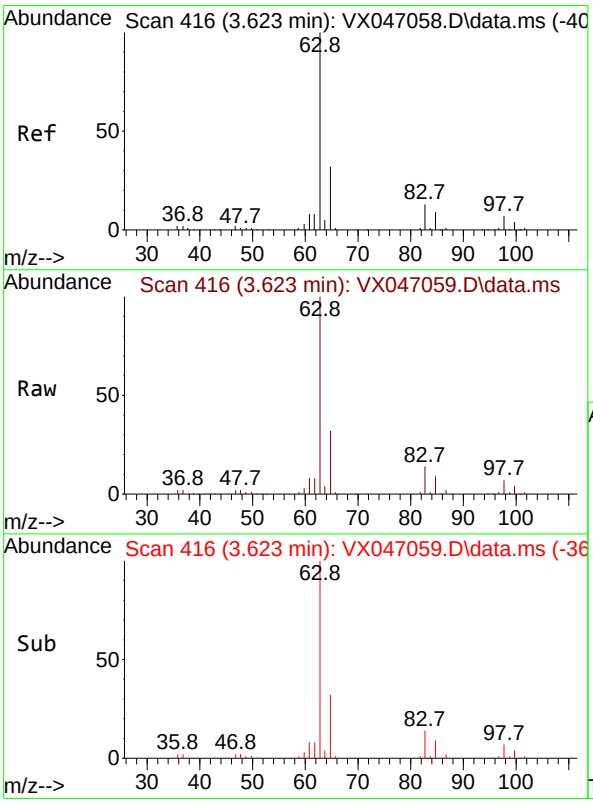
#23
Vinyl Acetate
Concen: 511.682 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 5255654

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

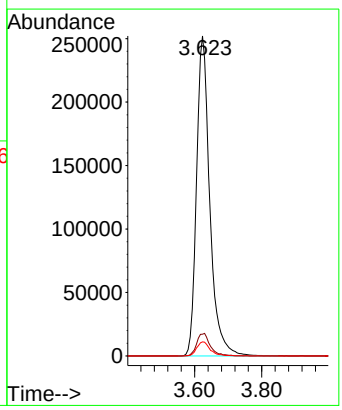


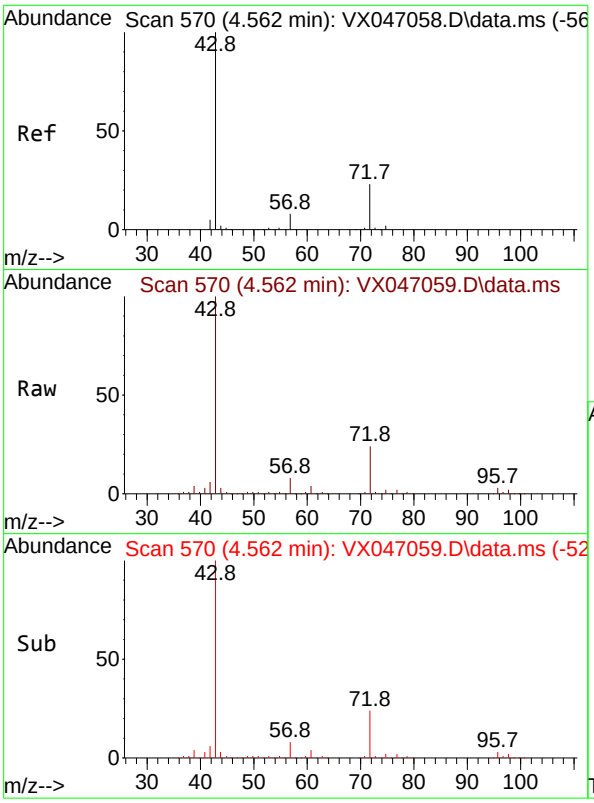


#24
1,1-Dichloroethane
Concen: 96.903 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 63 Resp: 690059

Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.6	10.8
100	4.4	2.3	6.8



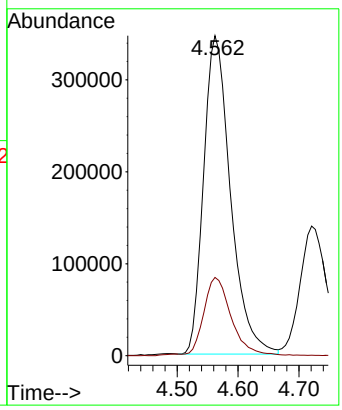


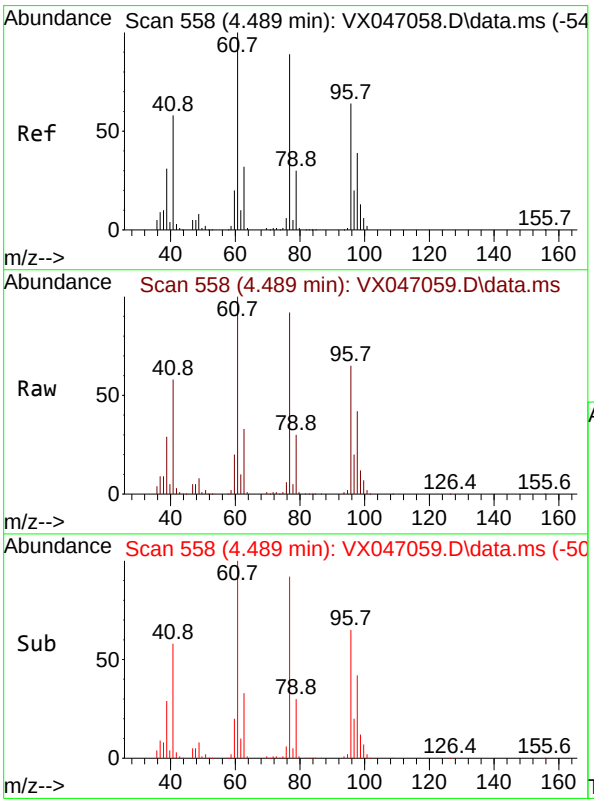
#25
2-Butanone
Concen: 499.825 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1064894

Ion	Ratio	Lower	Upper
43	100		
72	24.2	18.8	28.2

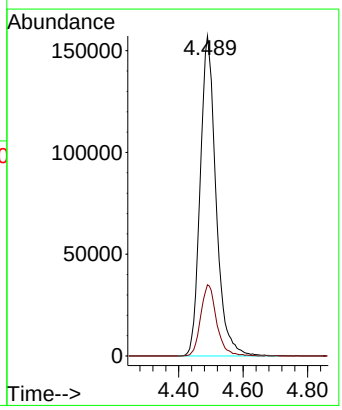


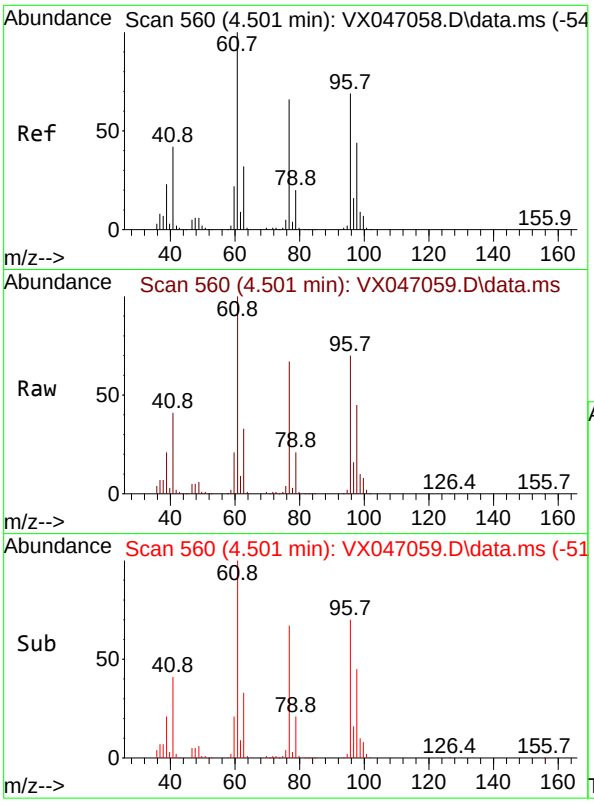


#26
2,2-Dichloropropane
Concen: 96.986 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 77 Resp: 534633

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.1



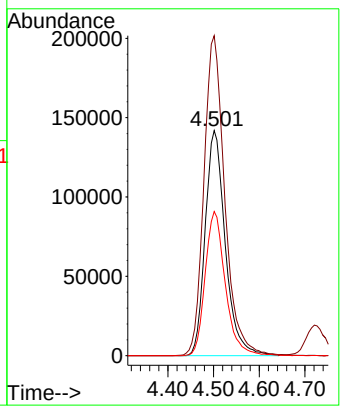


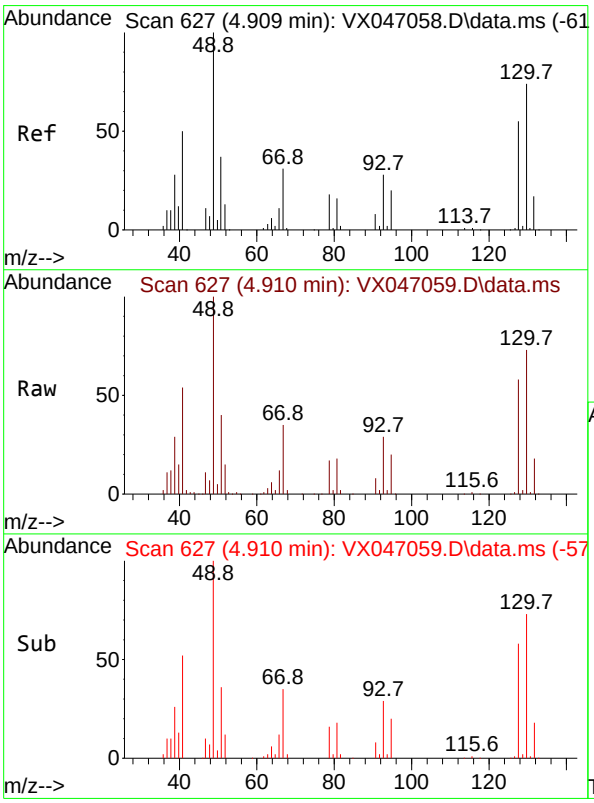
#27
cis-1,2-Dichloroethene
Concen: 97.026 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 96 Resp: 433236

Ion	Ratio	Lower	Upper
96	100		
61	147.5	0.0	298.6
98	64.3	0.0	128.8

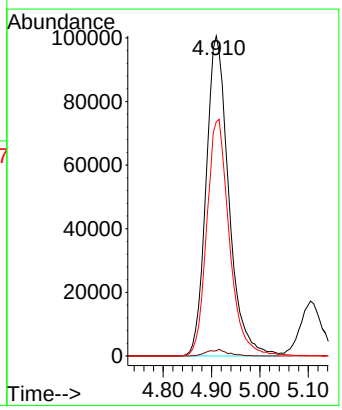


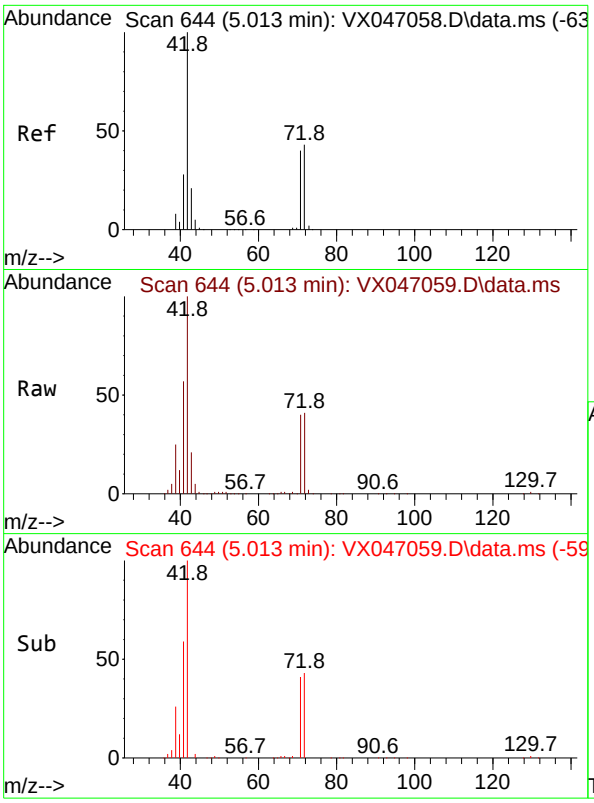


#28
Bromochloromethane
Concen: 99.974 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 49 Resp: 327531

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.6	59.0	88.4



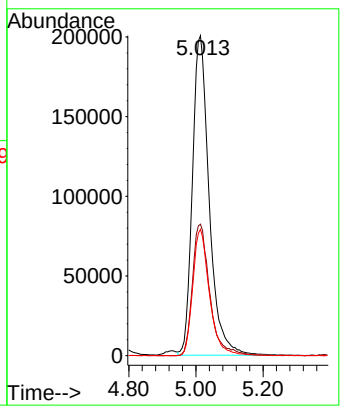


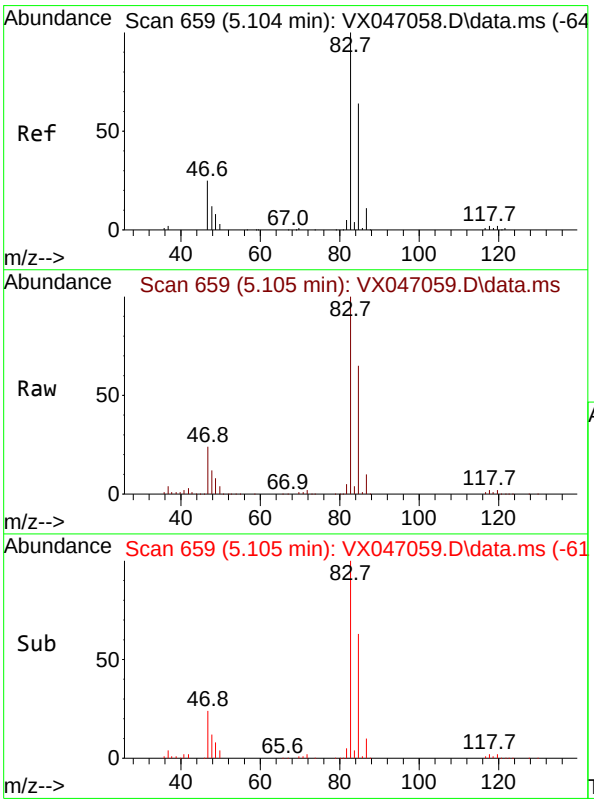
#29
Tetrahydrofuran
Concen: 506.702 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 42 Resp: 696538

Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.7	50.5
71	39.4	31.0	46.4

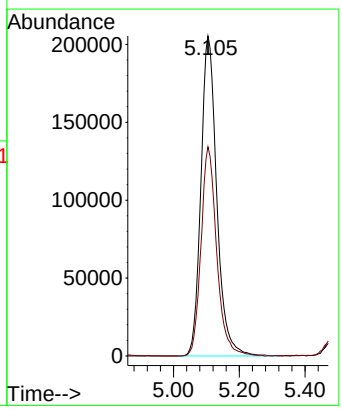


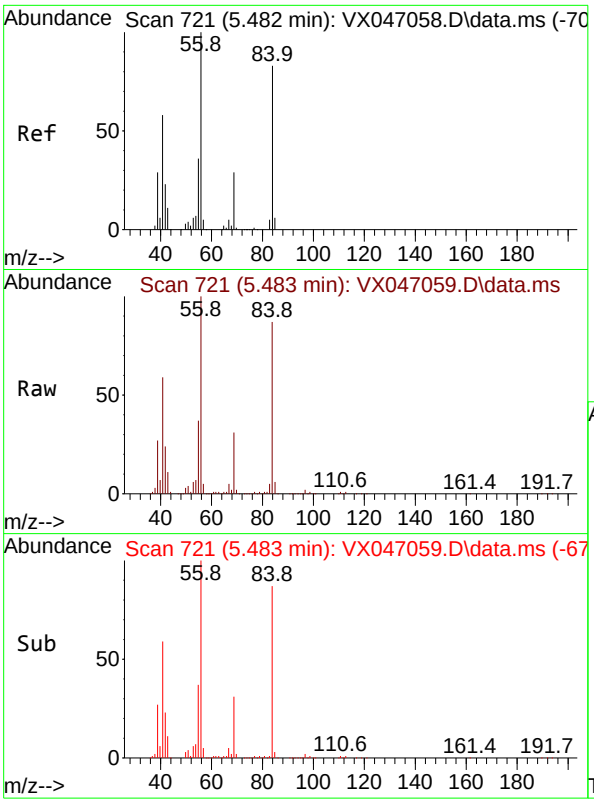


#30
Chloroform
Concen: 95.036 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 83 Resp: 688904

Ion	Ratio	Lower	Upper
83	100		
85	65.4	50.9	76.3



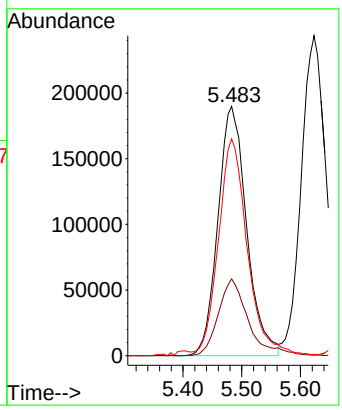


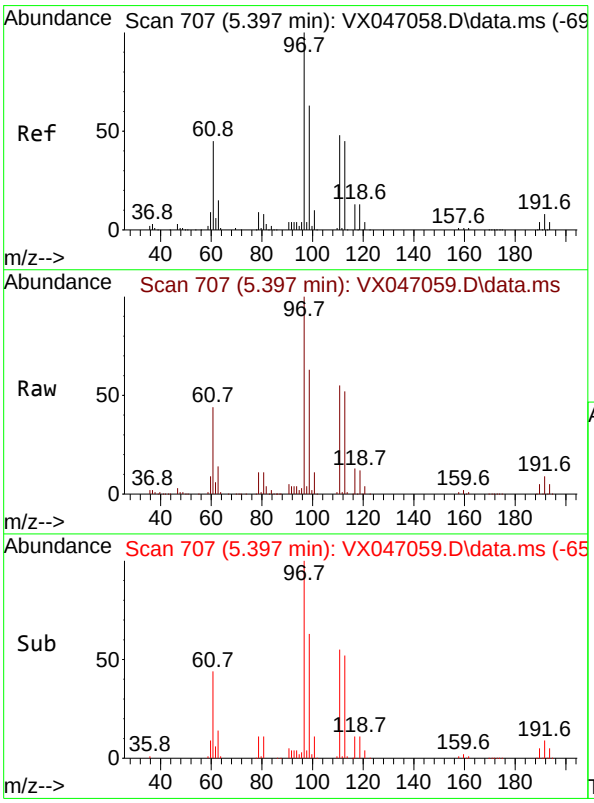
#31
Cyclohexane
Concen: 94.354 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 56 Resp: 644257

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.3	34.9
84	85.3	66.5	99.7

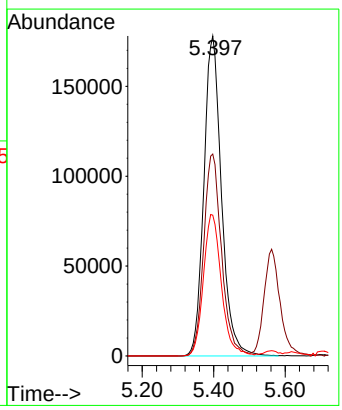


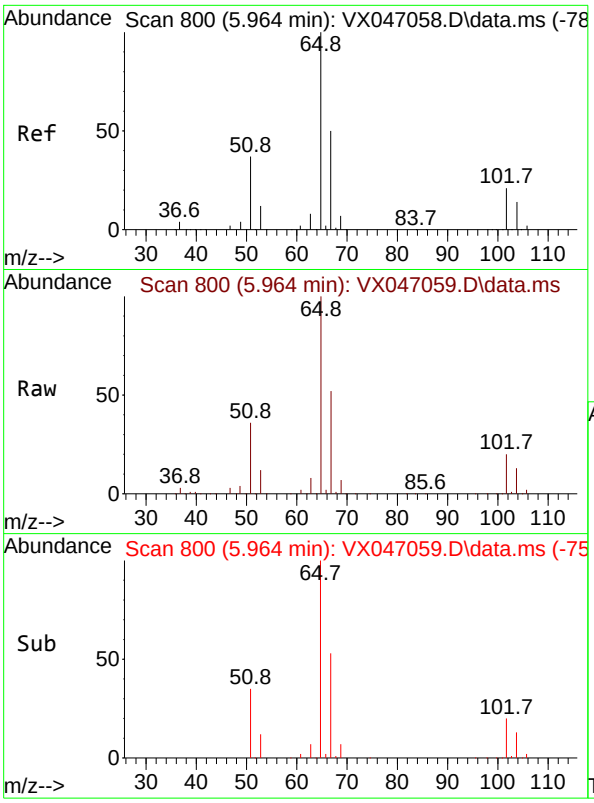


#32
1,1,1-Trichloroethane
Concen: 96.931 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 97 Resp: 610295

Ion	Ratio	Lower	Upper
97	100		
99	63.7	51.2	76.8
61	45.1	37.1	55.7



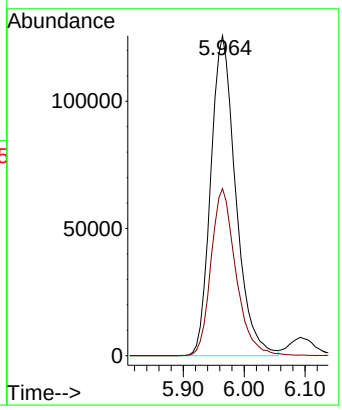


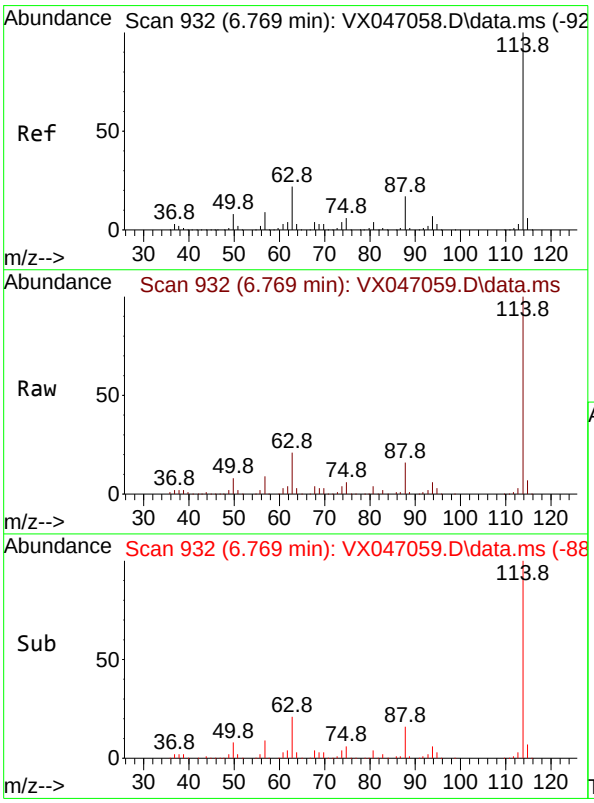
#33
1,2-Dichloroethane-d4
Concen: 98.067 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 65 Resp: 358189

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	104.8

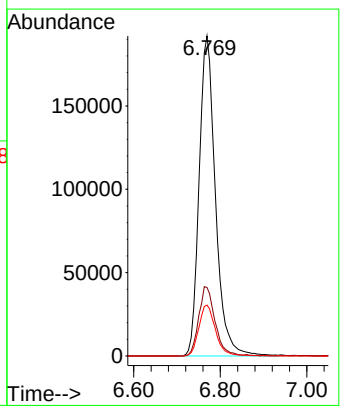


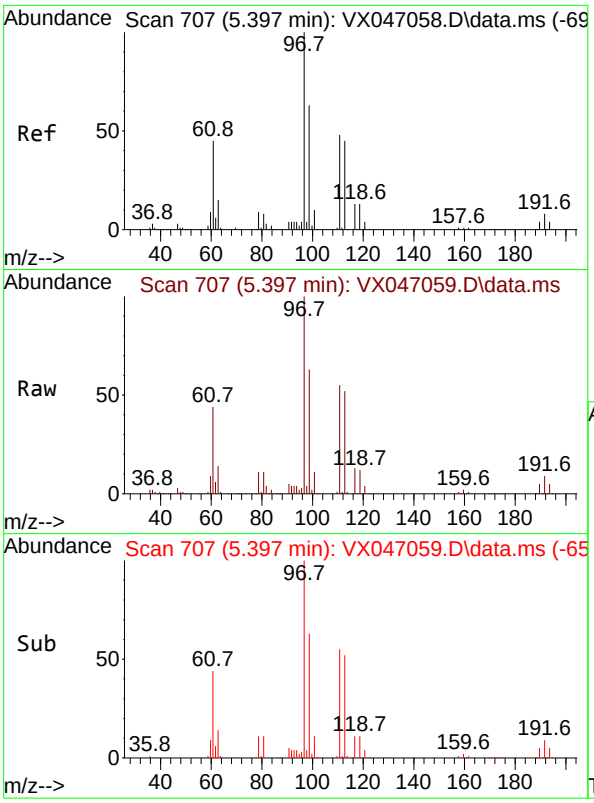


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:114 Resp: 502636

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	43.2
88	15.9	0.0	33.8



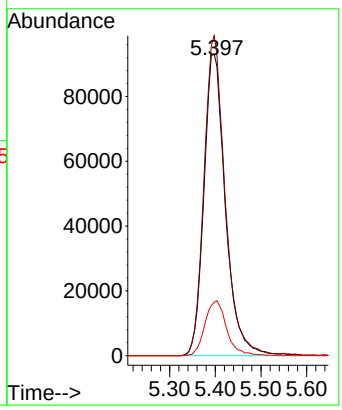


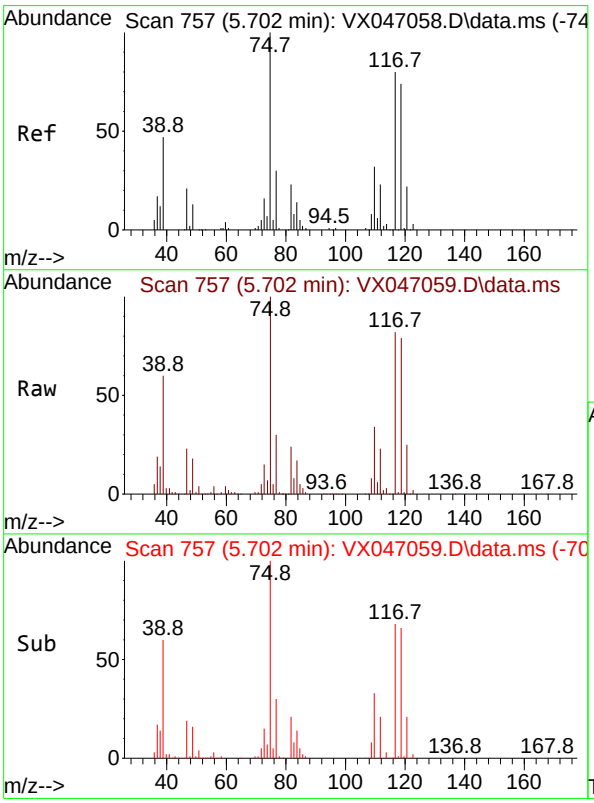
#35
Dibromofluoromethane
Concen: 97.981 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:113 Resp: 304077

Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	124.0
192	18.4	14.9	22.3

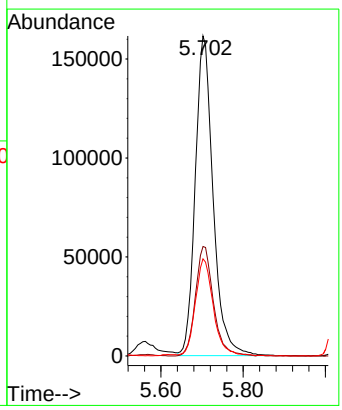


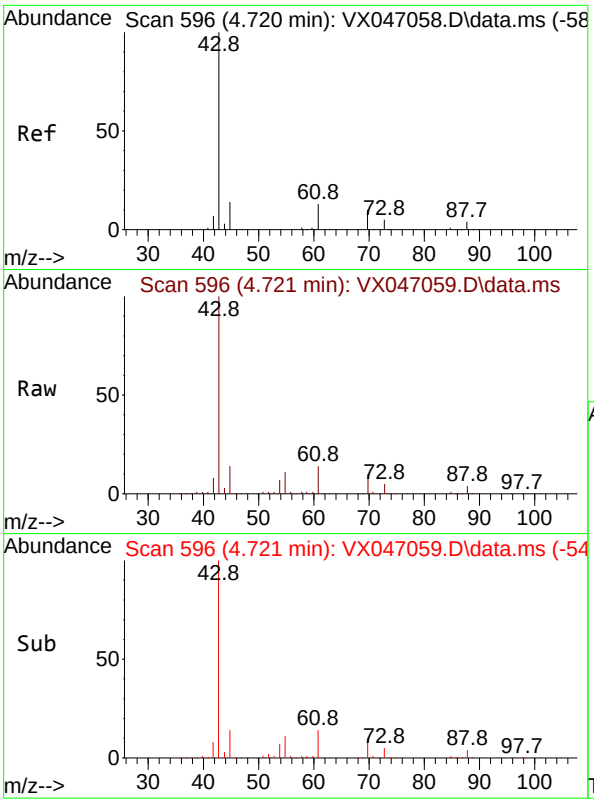


#36
1,1-Dichloropropene
Concen: 92.052 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 75 Resp: 486962

Ion	Ratio	Lower	Upper
75	100		
110	34.5	17.2	51.5
77	30.5	25.1	37.7



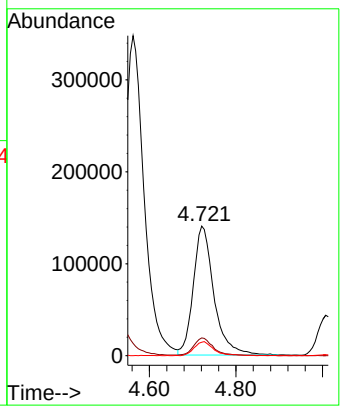


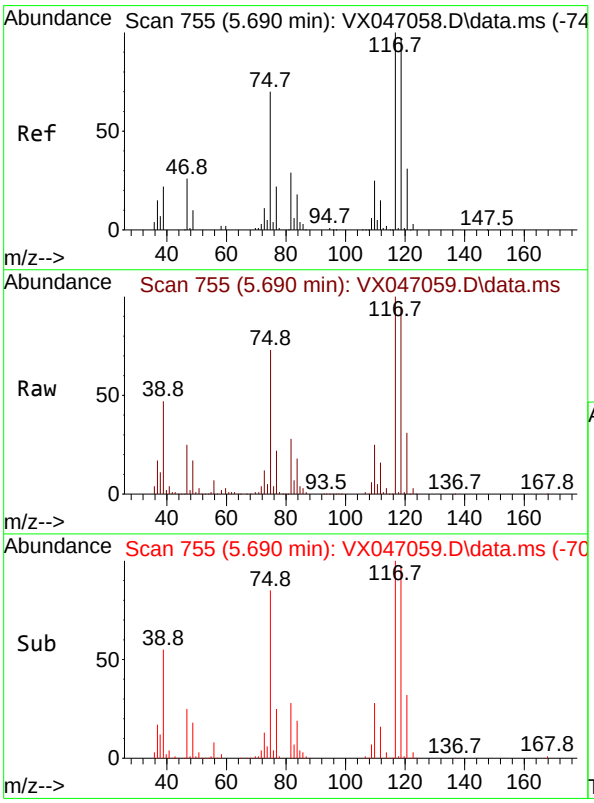
#37
Ethyl Acetate
Concen: 99.573 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 464215

Ion	Ratio	Lower	Upper
43	100		
61	13.0	10.2	15.2
70	10.3	8.1	12.1

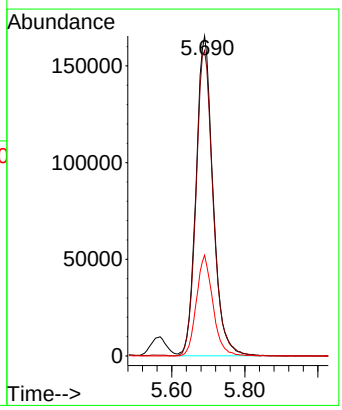


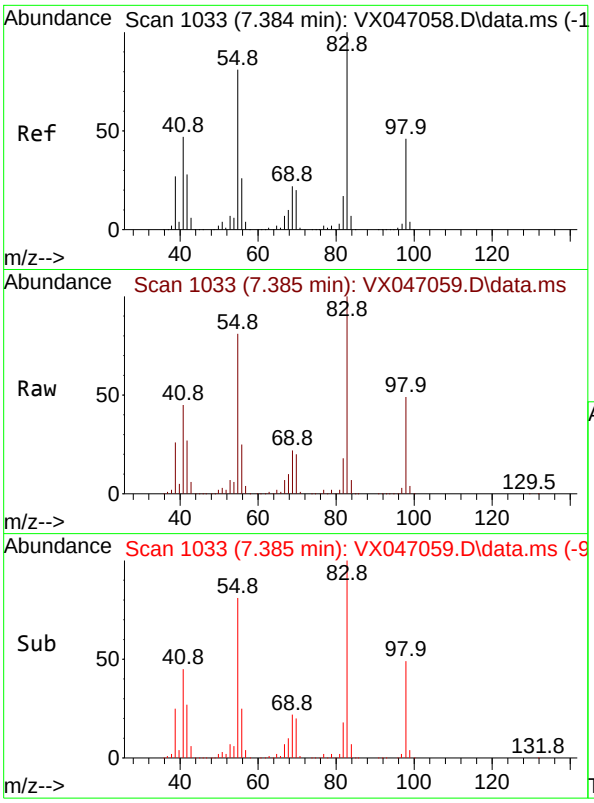


#38
Carbon Tetrachloride
Concen: 94.597 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:117 Resp: 534117

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	115.0
121	31.5	24.4	36.6



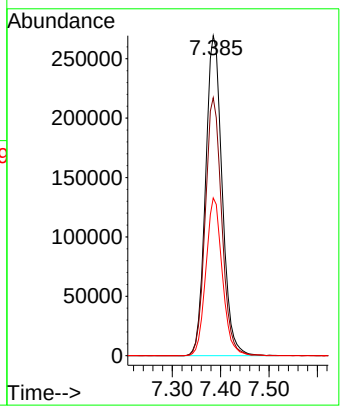


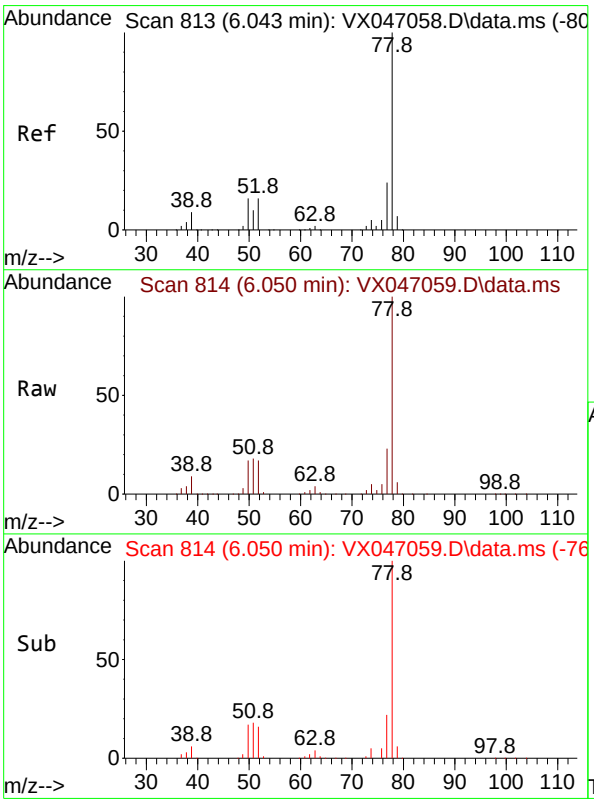
#39
Methylcyclohexane
Concen: 97.426 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 643495

Ion	Ratio	Lower	Upper
83	100		
55	80.6	64.5	96.7
98	49.3	36.9	55.3

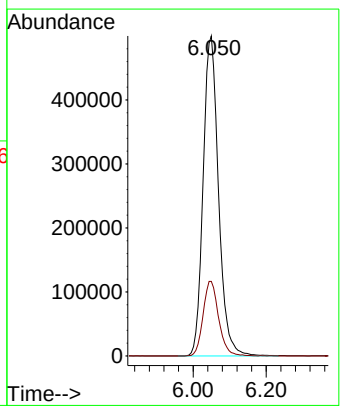


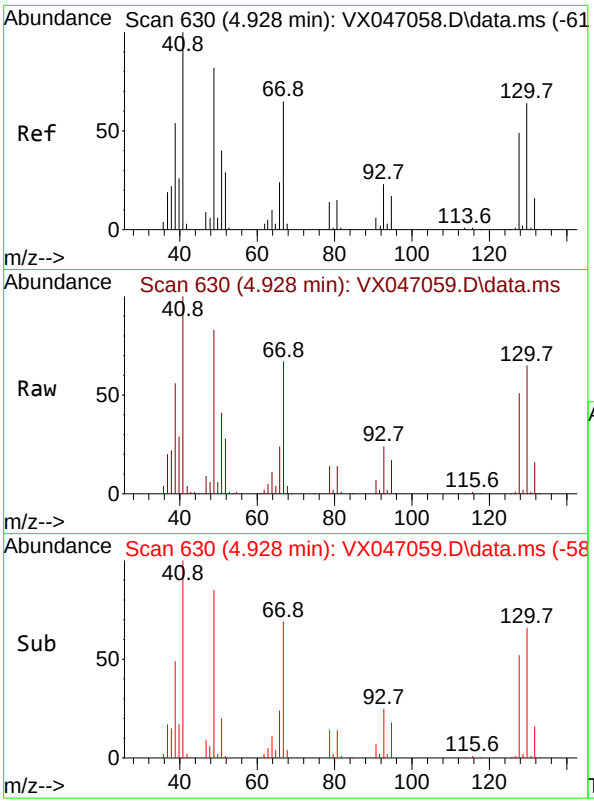


#40
Benzene
Concen: 95.282 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 78 Resp: 1458721

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4



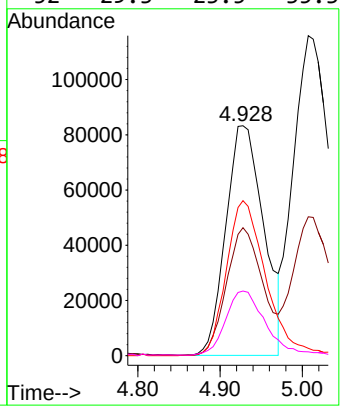


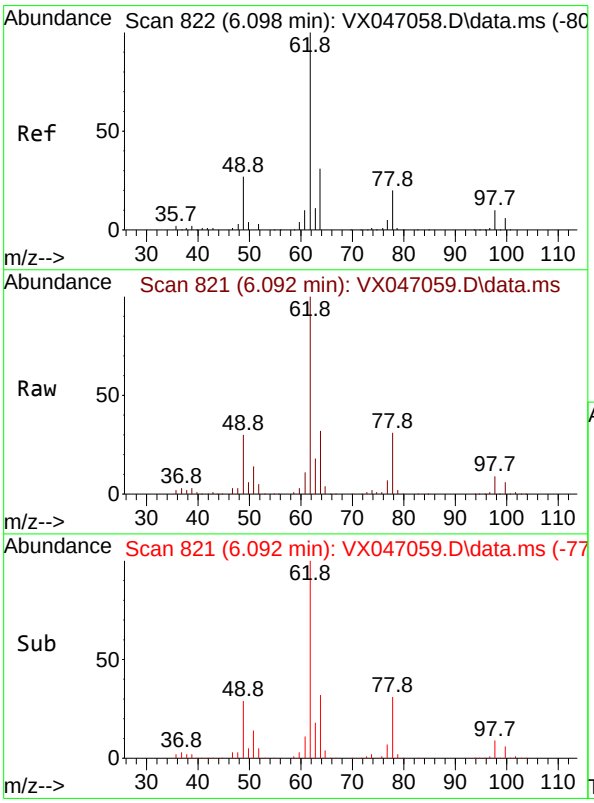
#41
Methacrylonitrile
Concen: 104.648 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 41 Resp: 266722

Ion	Ratio	Lower	Upper
41	100		
39	53.6	44.2	66.2
67	71.1	56.4	84.6
52	29.3	23.5	35.3

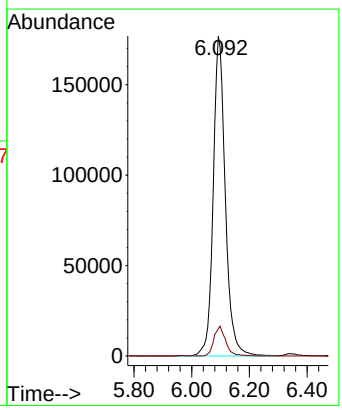


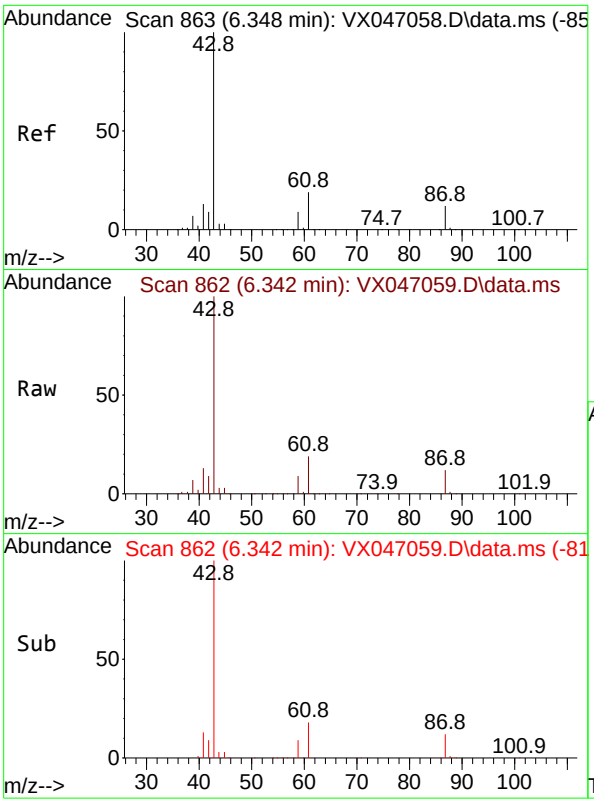


#42
1,2-Dichloroethane
Concen: 95.493 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 62 Resp: 514986

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.8



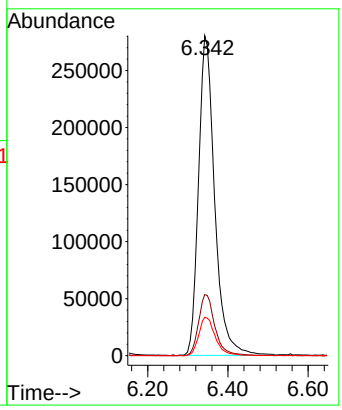


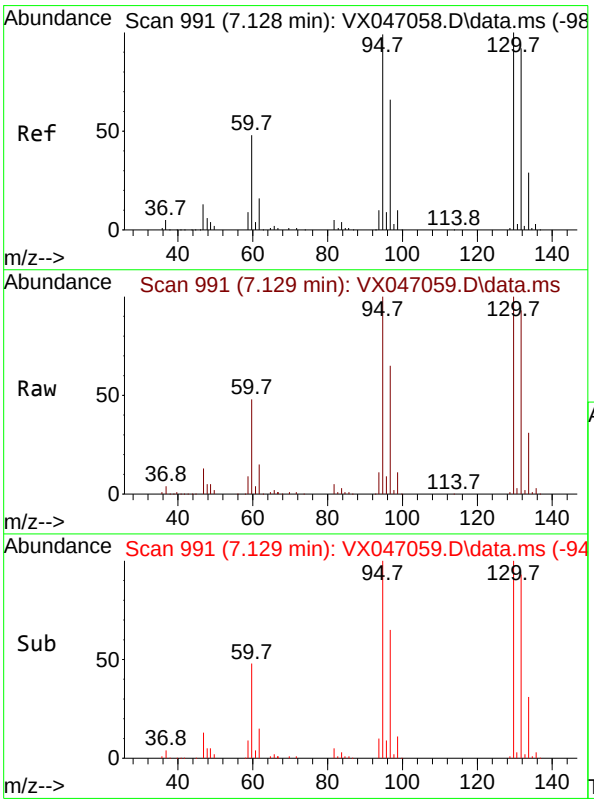
#43
Isopropyl Acetate
Concen: 103.002 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 782743

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.1	22.7
87	12.3	9.7	14.5

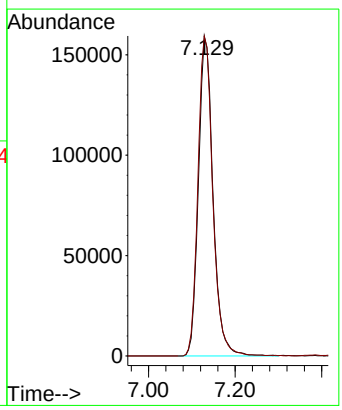


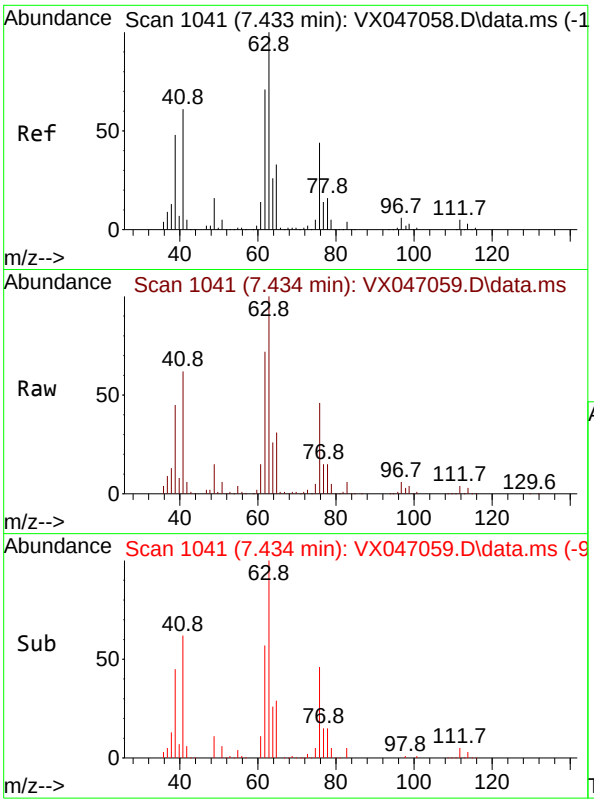


#44
Trichloroethene
Concen: 94.887 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:130 Resp: 372515

Ion	Ratio	Lower	Upper
130	100		
95	99.8	0.0	198.6



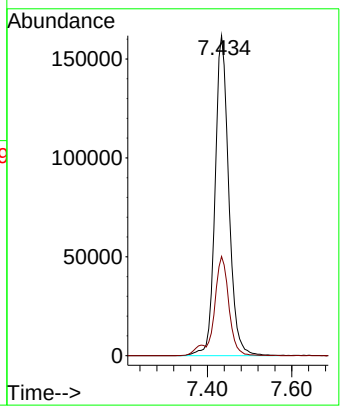


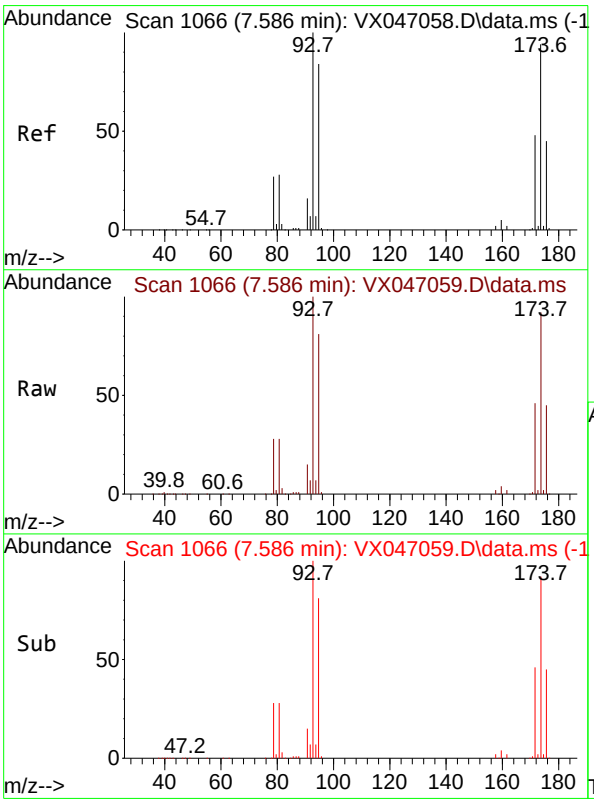
#45
1,2-Dichloropropane
Concen: 95.131 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 63 Resp: 364769

Ion	Ratio	Lower	Upper
63	100		
65	31.0	26.3	39.5

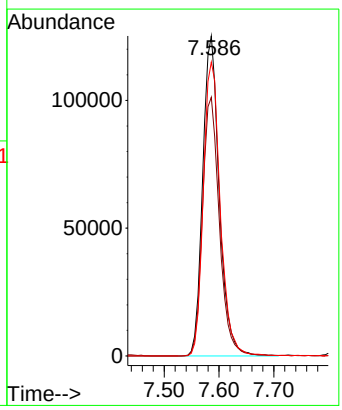


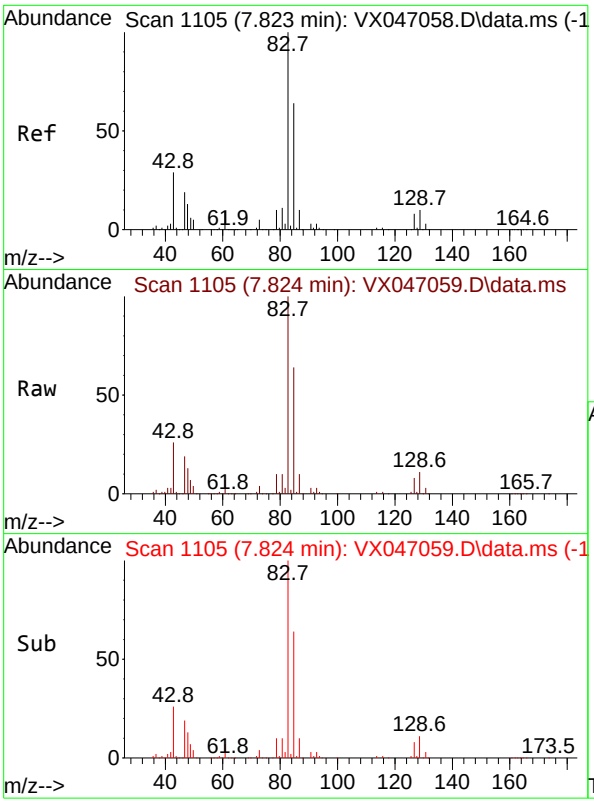


#46
Dibromomethane
Concen: 97.464 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 93 Resp: 262070

Ion	Ratio	Lower	Upper
93	100		
95	82.5	65.9	98.9
174	94.1	74.6	112.0



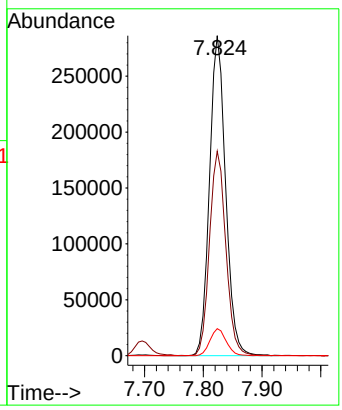


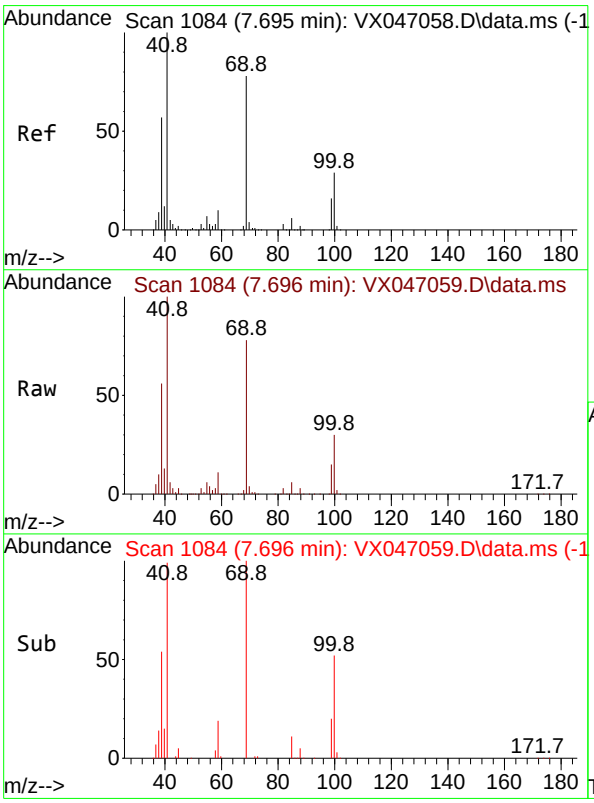
#47
Bromodichloromethane
Concen: 95.349 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 545715

Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.9	74.9
127	8.4	6.6	10.0

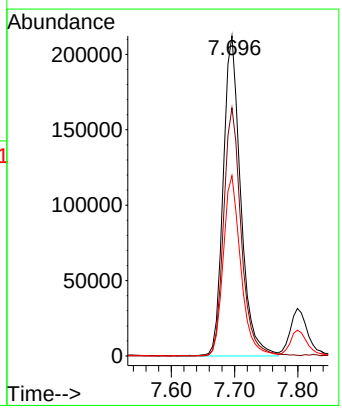


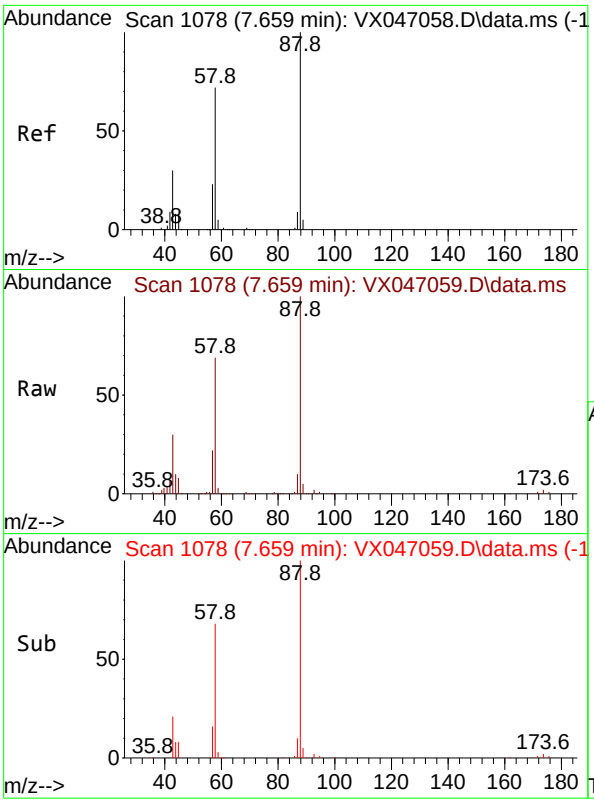


#48
Methyl methacrylate
Concen: 98.210 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 41 Resp: 406578

Ion	Ratio	Lower	Upper
41	100		
69	77.9	62.3	93.5
39	56.4	44.8	67.2



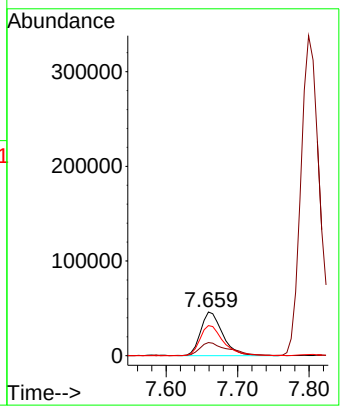


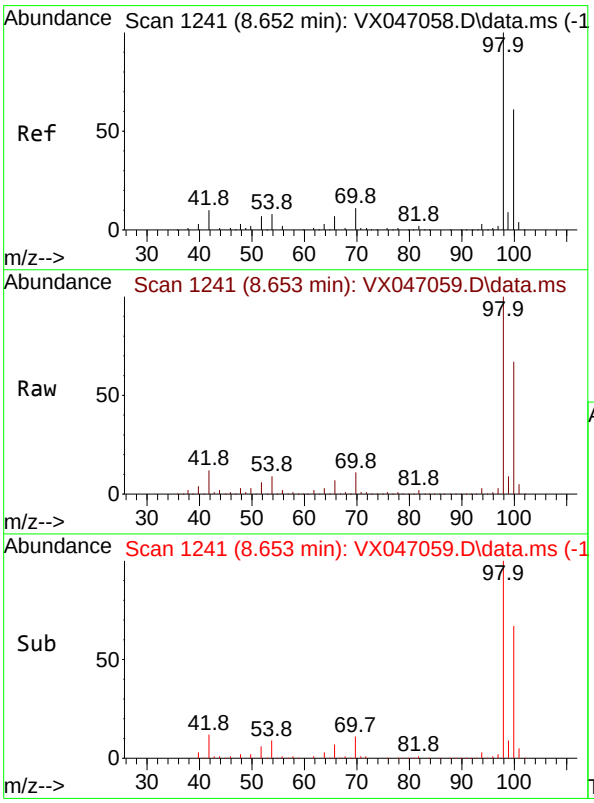
#49
1,4-Dioxane
Concen: 2074.633 ug/l
RT: 7.659 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 88 Resp: 97685

Ion	Ratio	Lower	Upper
88	100		
43	39.0	33.6	50.4
58	73.2	58.8	88.2

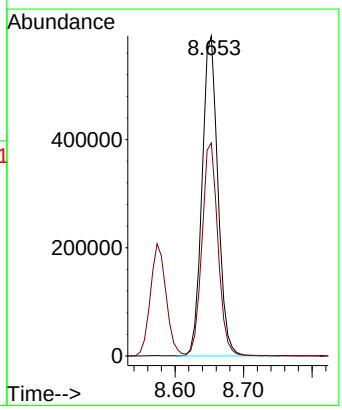


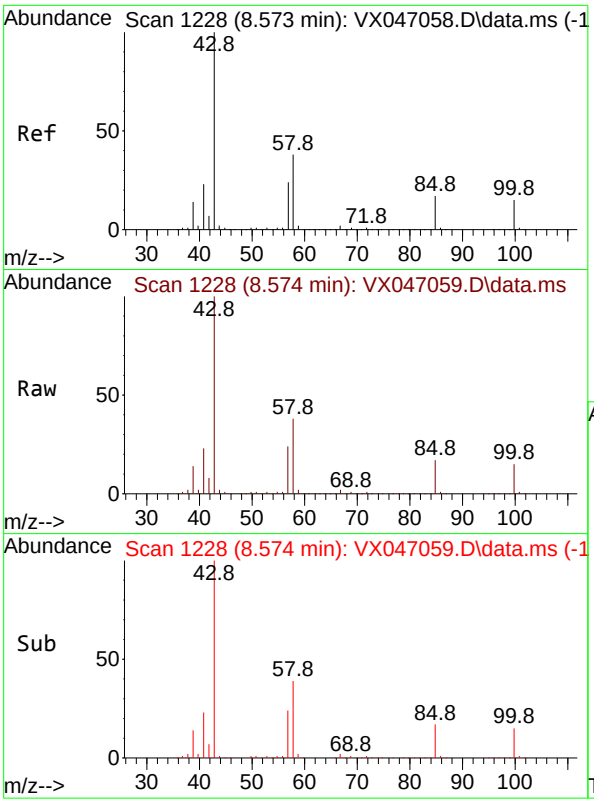


#50
Toluene-d8
Concen: 94.642 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 98 Resp: 951189

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9



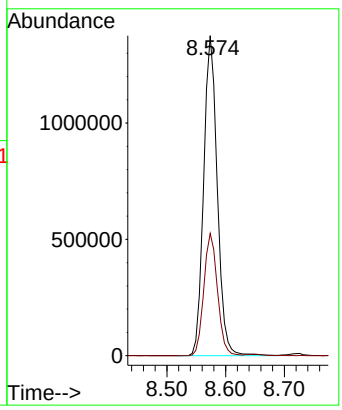


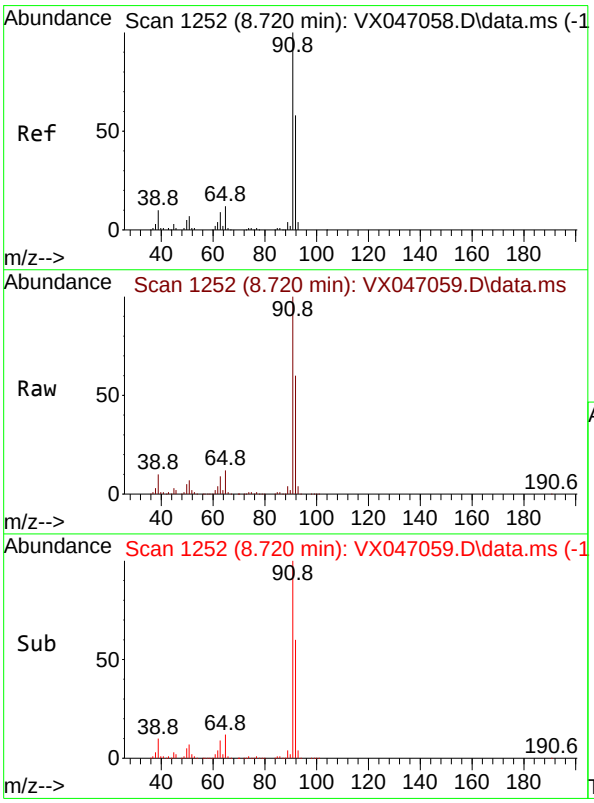
#51
4-Methyl-2-Pentanone
Concen: 490.000 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 2213299

Ion	Ratio	Lower	Upper
43	100		
58	38.3	30.6	45.8

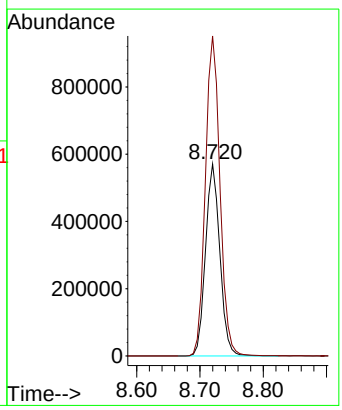


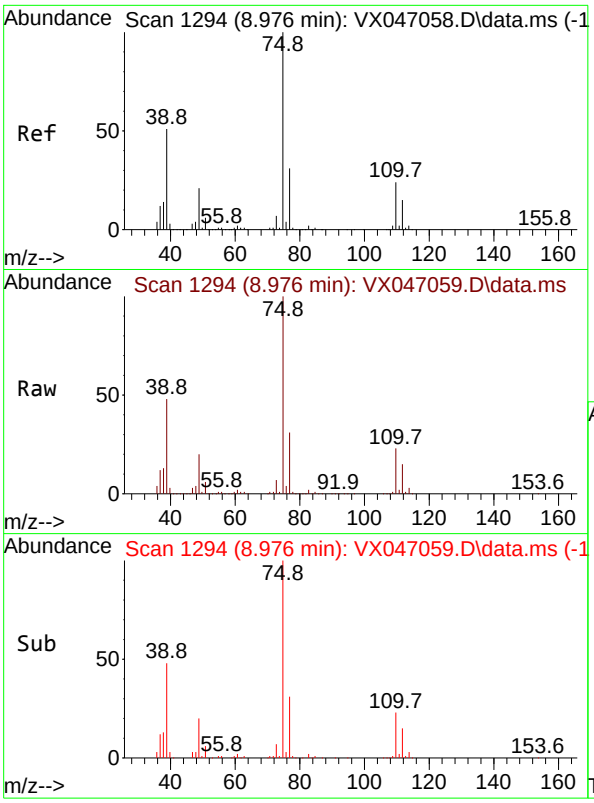


#52
Toluene
Concen: 95.648 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 92 Resp: 900379

Ion	Ratio	Lower	Upper
92	100		
91	169.7	137.9	206.9



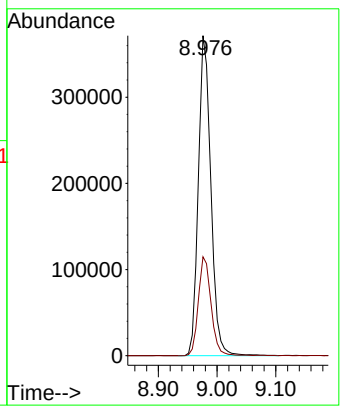


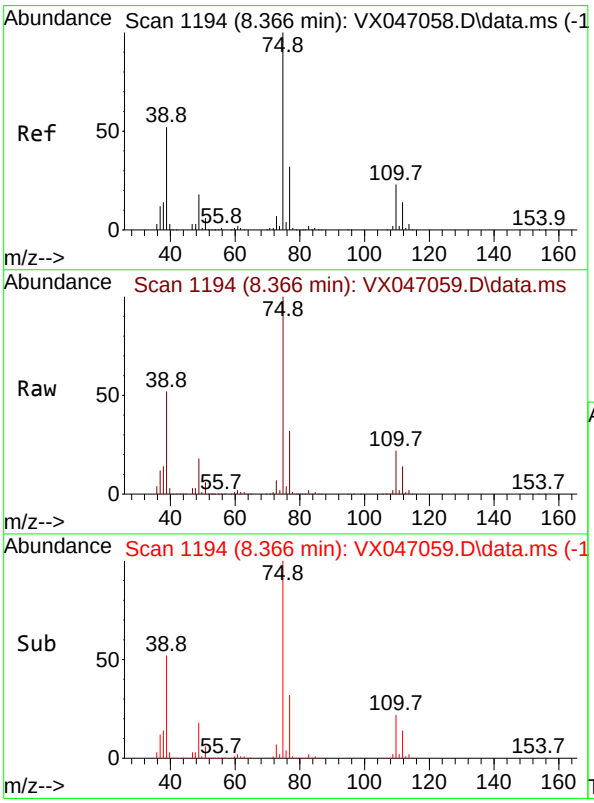
#53
t-1,3-Dichloropropene
Concen: 101.846 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 550435

Ion	Ratio	Lower	Upper
75	100		
77	30.9	24.5	36.7

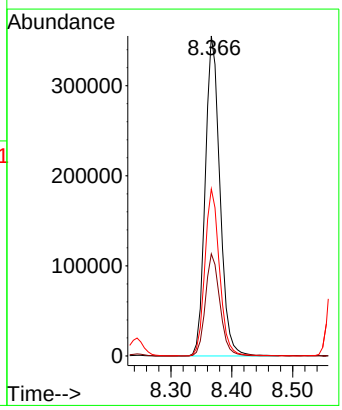


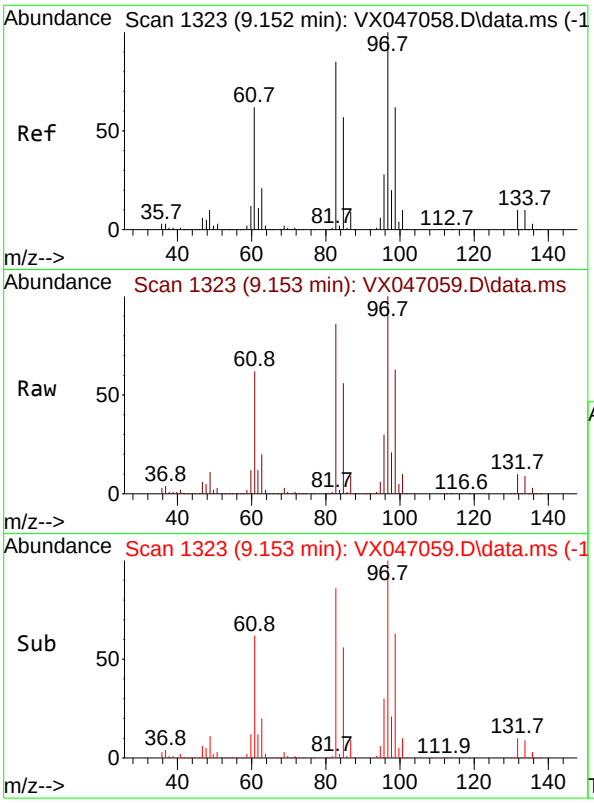


#54
cis-1,3-Dichloropropene
Concen: 100.700 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 75 Resp: 595662

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	52.1	41.8	62.6



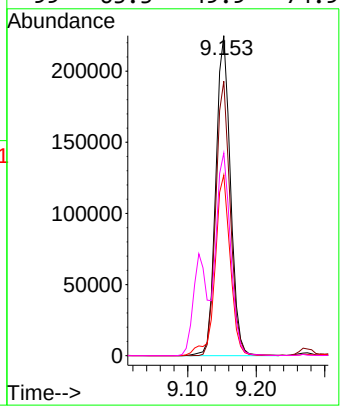


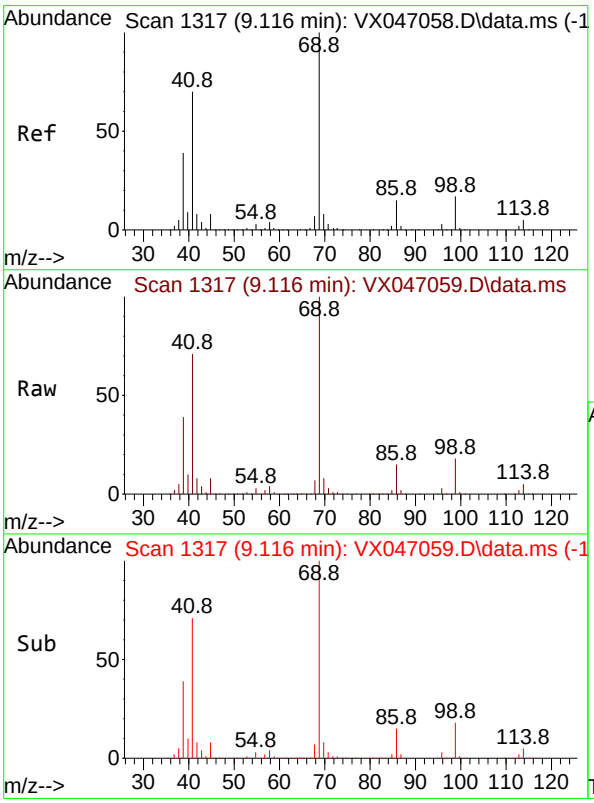
#55
1,1,2-Trichloroethane
Concen: 94.482 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 97 Resp: 333552

Ion	Ratio	Lower	Upper
97	100		
83	85.8	68.0	102.0
85	56.5	45.2	67.8
99	63.3	49.9	74.9

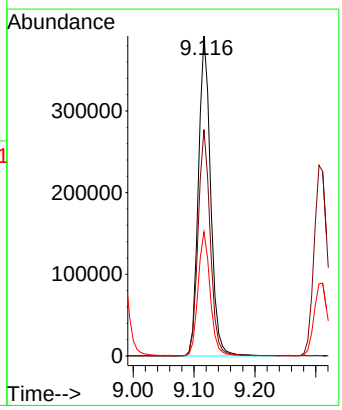


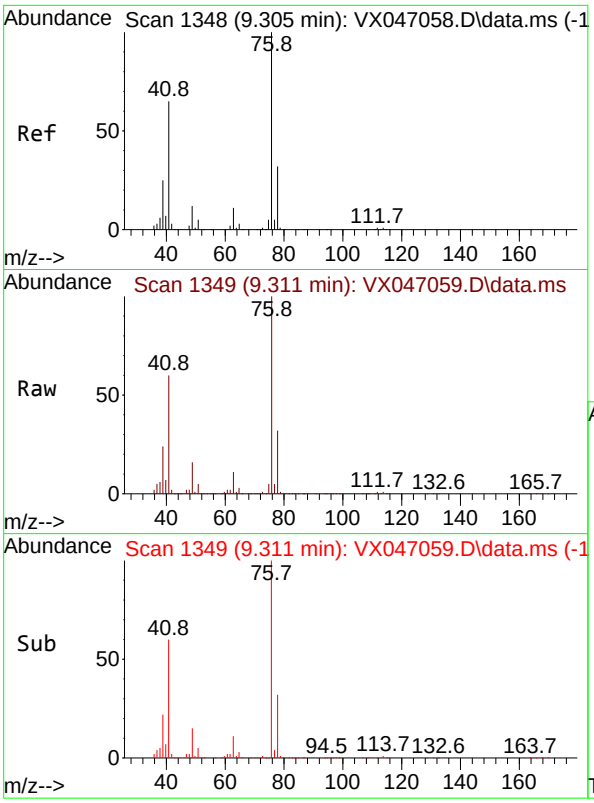


#56
Ethyl methacrylate
Concen: 104.649 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 69 Resp: 546929

Ion	Ratio	Lower	Upper
69	100		
41	70.7	56.1	84.1
39	38.2	31.1	46.7



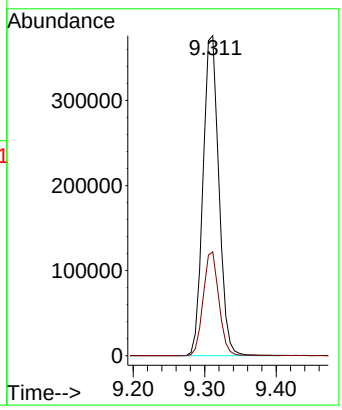


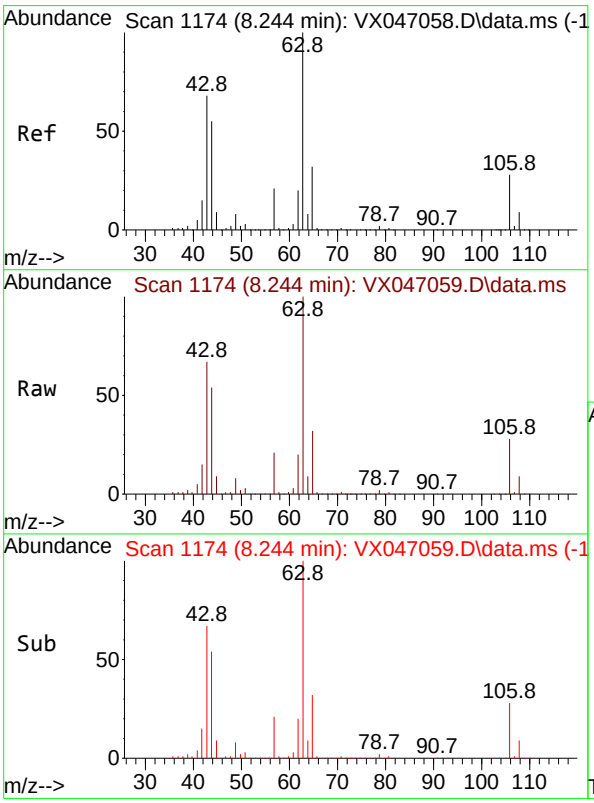
#57
1,3-Dichloropropane
Concen: 94.454 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 76 Resp: 579525

Ion	Ratio	Lower	Upper
76	100		
78	32.2	25.5	38.3

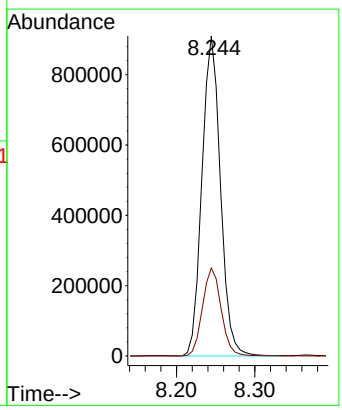


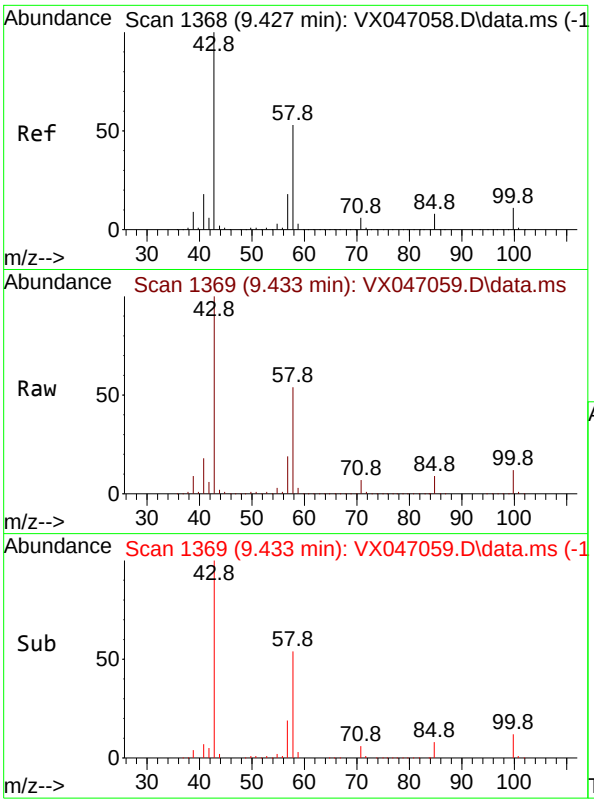


#58
2-Chloroethyl Vinyl ether
Concen: 512.296 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 63 Resp: 1489901

Ion	Ratio	Lower	Upper
63	100		
106	27.7	22.2	33.4



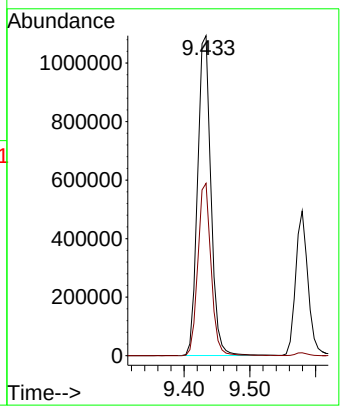


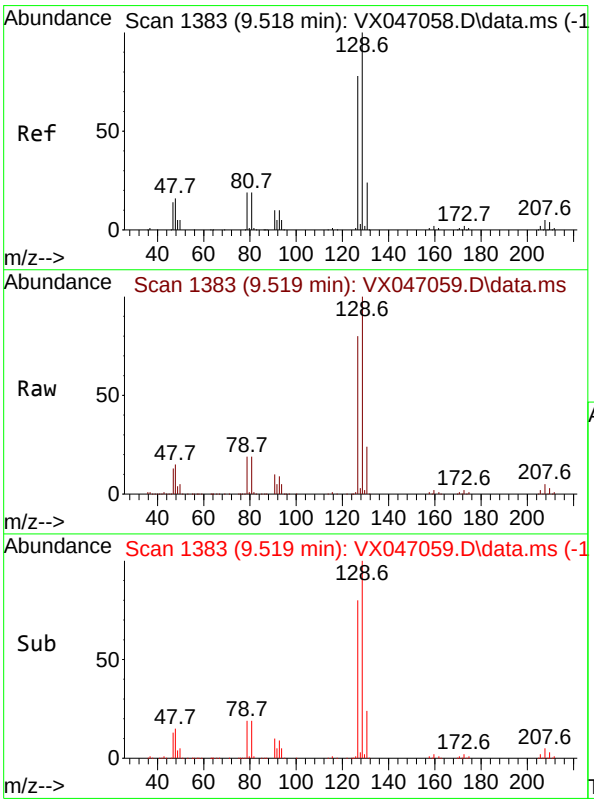
#59
2-Hexanone
Concen: 514.162 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 43 Resp: 1534390

Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.5	79.5

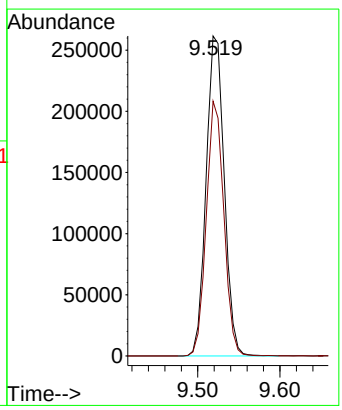


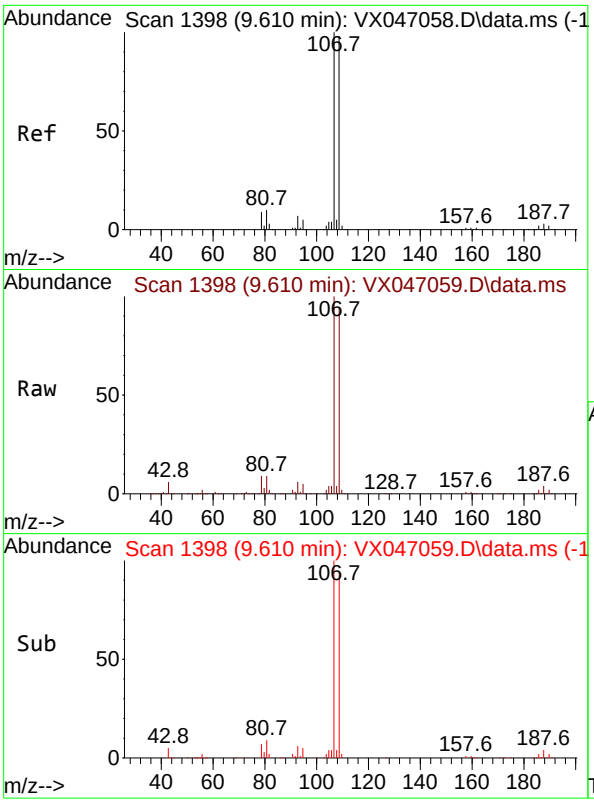


#60
Dibromochloromethane
Concen: 96.718 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:129 Resp: 400453

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8



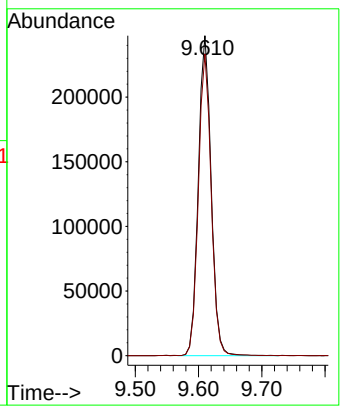


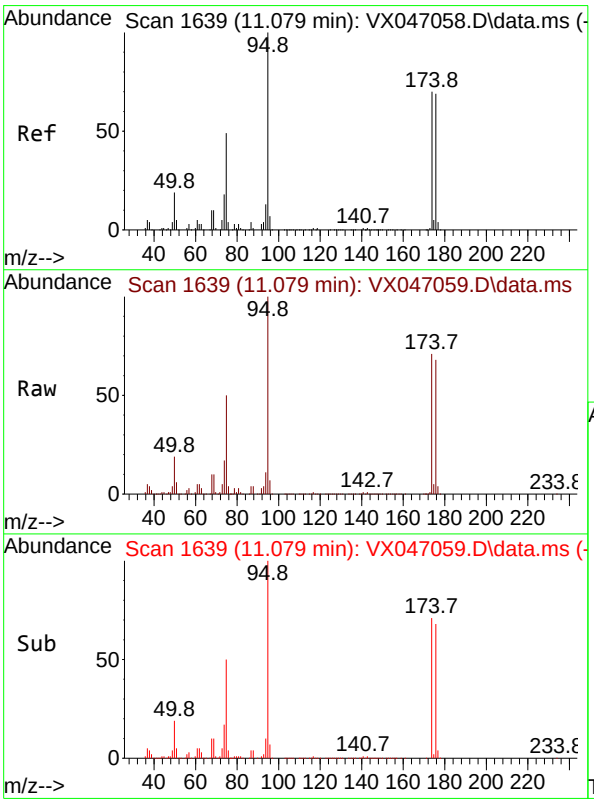
#61
1,2-Dibromoethane
Concen: 94.909 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:107 Resp: 350348

Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.6	112.0

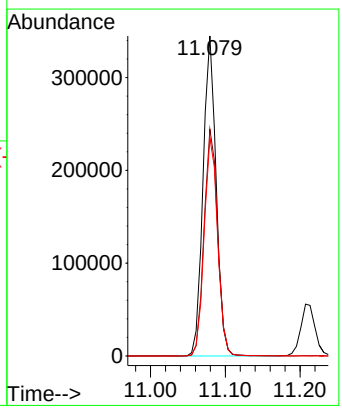


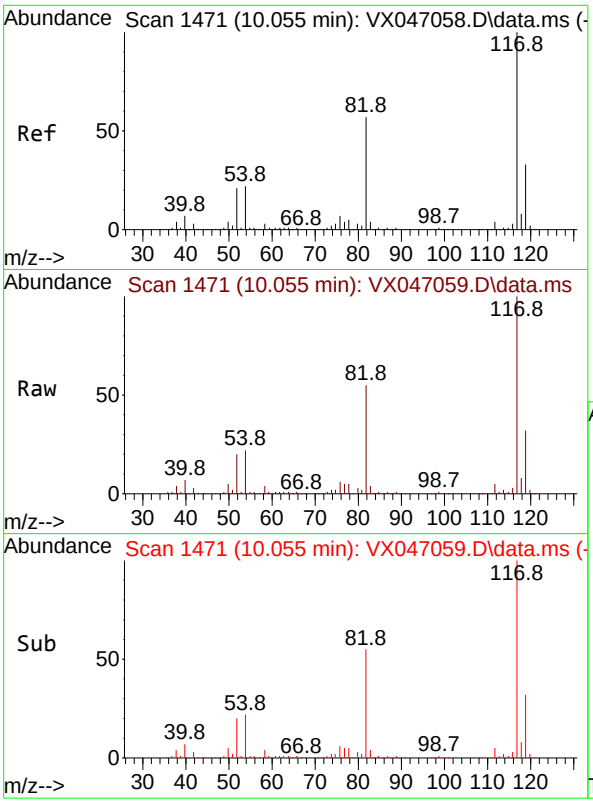


#62
4-Bromofluorobenzene
Concen: 96.692 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 95 Resp: 418790

Ion	Ratio	Lower	Upper
95	100		
174	73.6	0.0	144.6
176	70.3	0.0	139.6



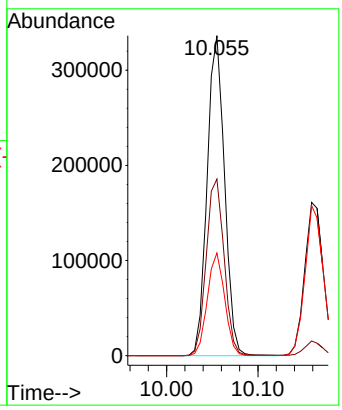


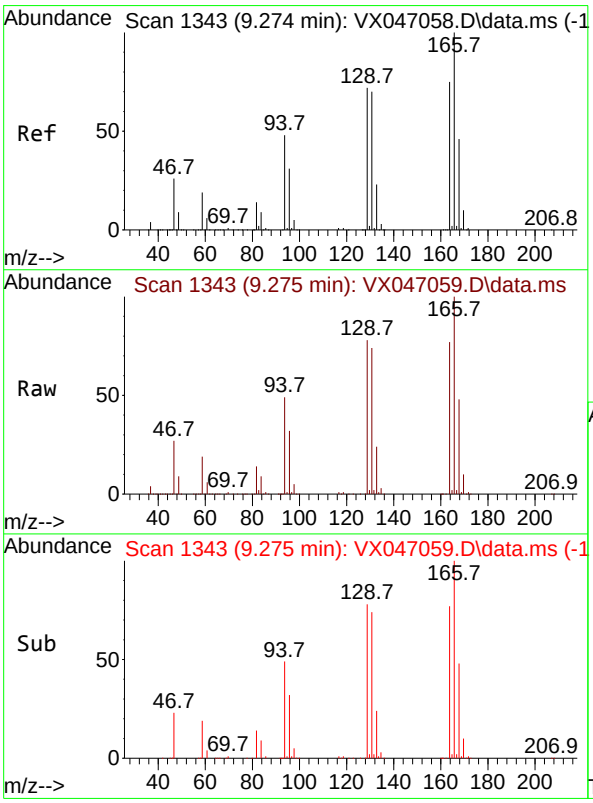
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:117 Resp: 443709

Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.4	68.2
119	32.1	26.1	39.1

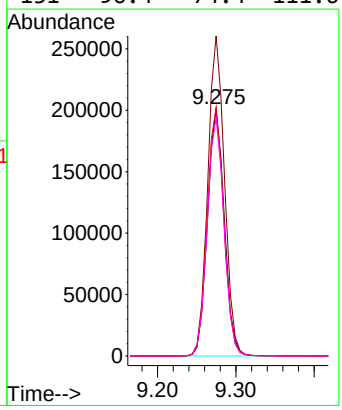


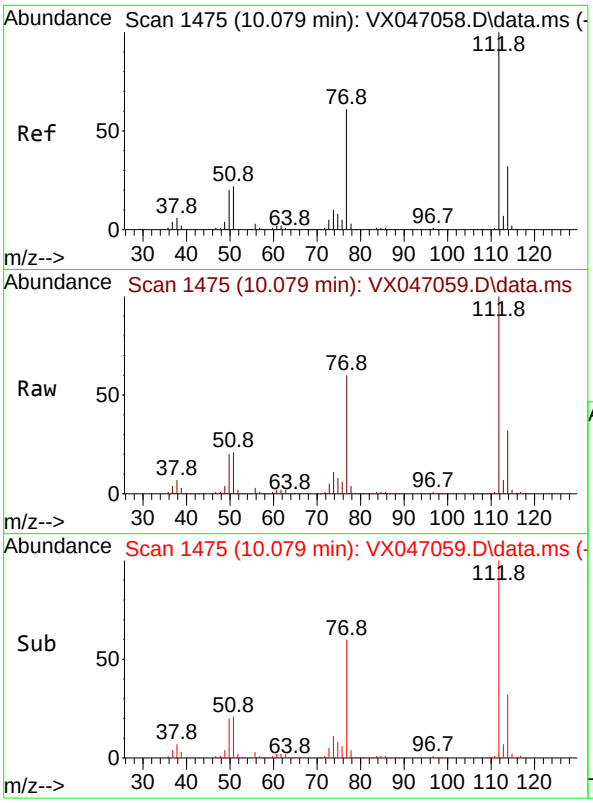


#64
Tetrachloroethene
Concen: 93.490 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:164 Resp: 299042

Ion	Ratio	Lower	Upper
164	100		
166	129.5	106.2	159.4
129	100.5	76.6	114.8
131	96.4	74.4	111.6



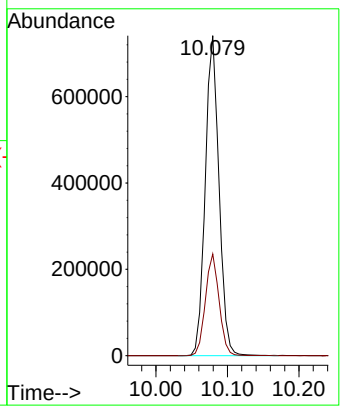


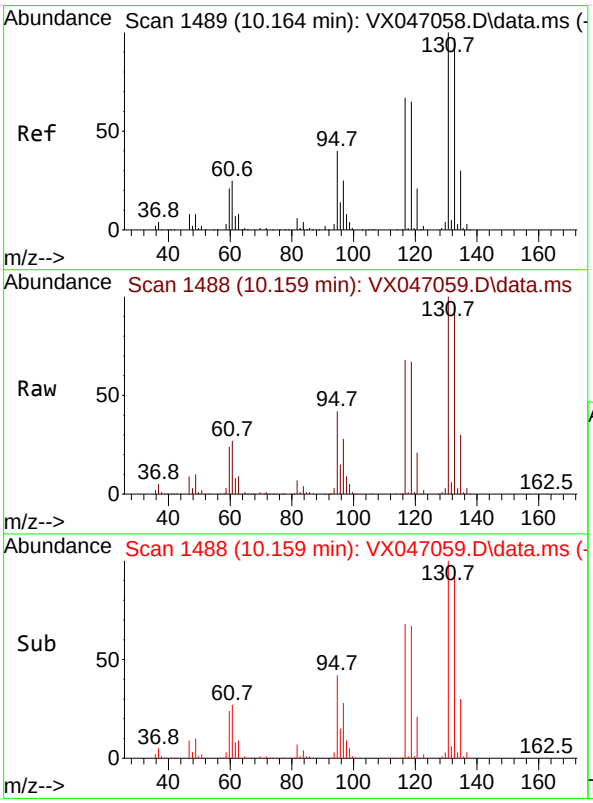
#65
Chlorobenzene
Concen: 95.134 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:112 Resp: 988883

Ion	Ratio	Lower	Upper
112	100		
114	31.8	25.8	38.6

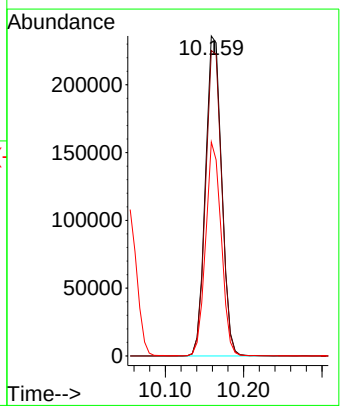


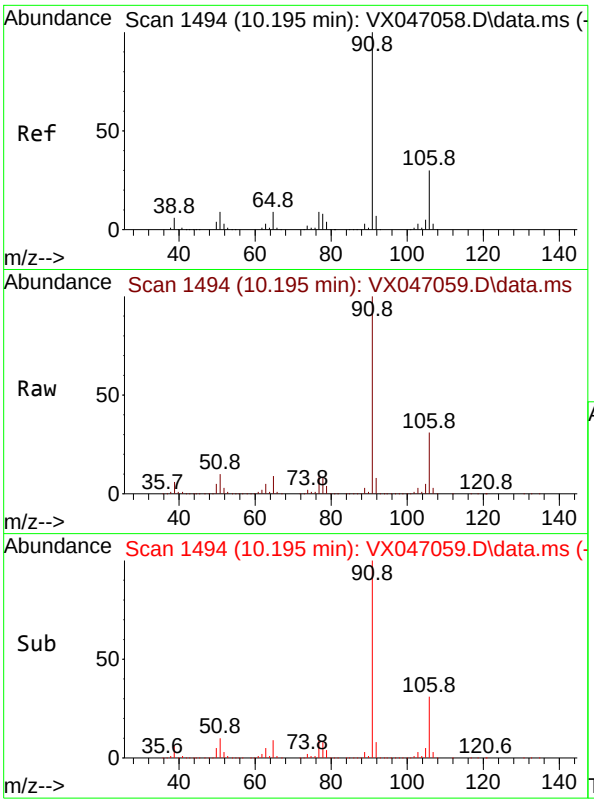


#66
1,1,1,2-Tetrachloroethane
Concen: 96.621 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:131 Resp: 338141

Ion	Ratio	Lower	Upper
131	100		
133	95.7	48.4	145.3
119	64.2	32.4	97.0



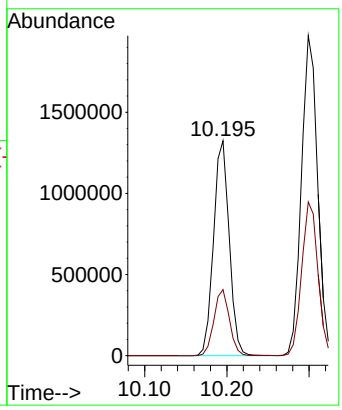


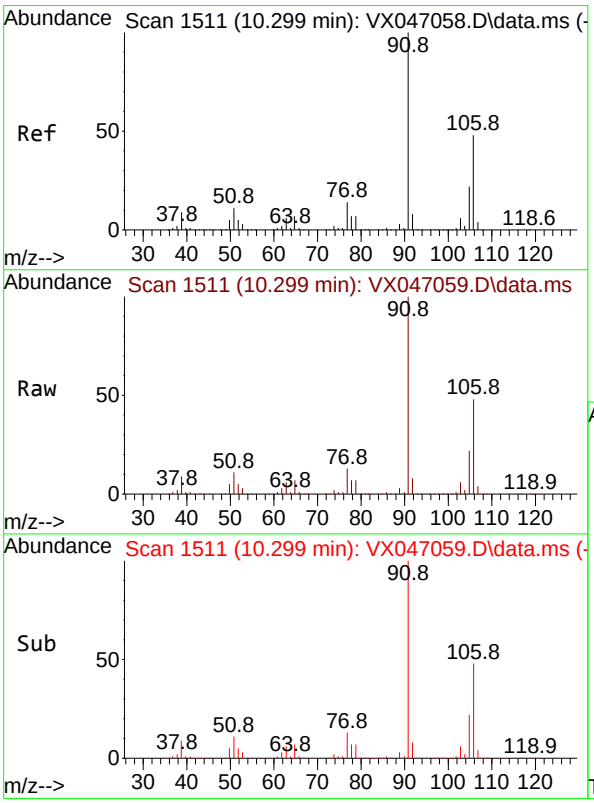
#67
Ethyl Benzene
Concen: 96.425 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1752485

Ion	Ratio	Lower	Upper
91	100		
106	30.7	24.2	36.4

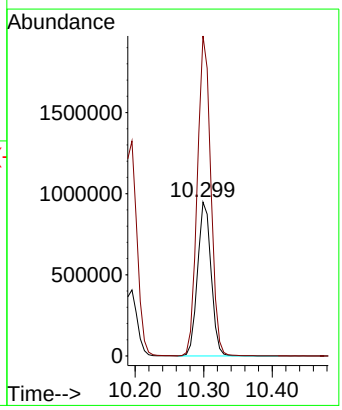


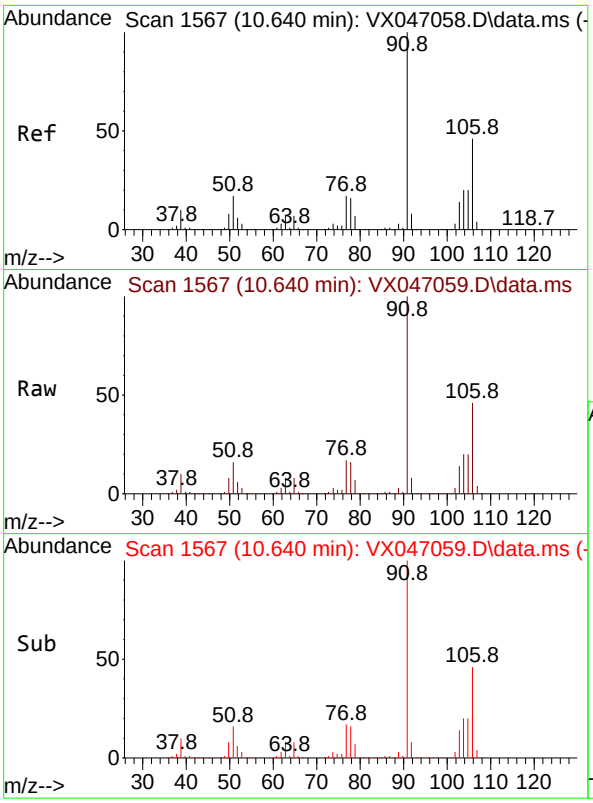


#68
m/p-Xylenes
Concen: 191.494 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:106 Resp: 1302405

Ion	Ratio	Lower	Upper
106	100		
91	206.9	167.4	251.0



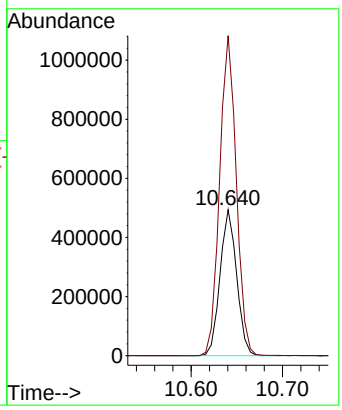


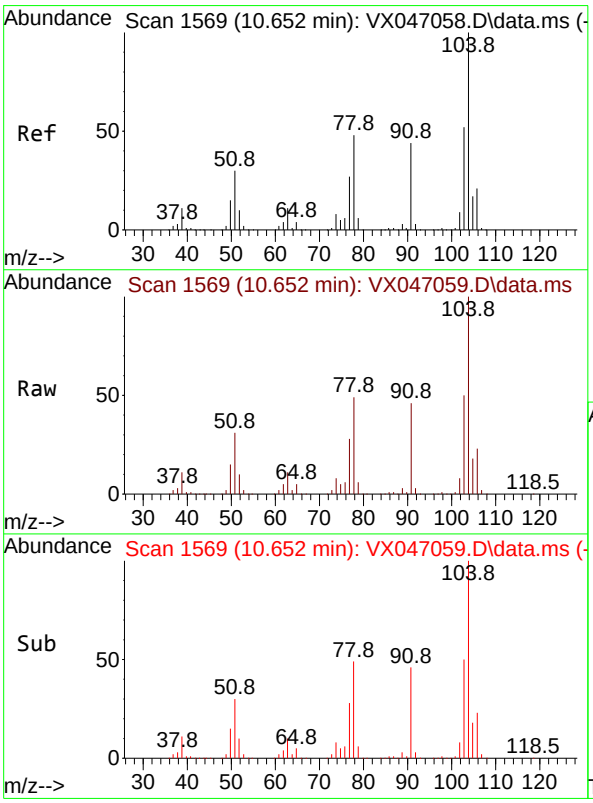
#69
o-Xylene
Concen: 96.565 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:106 Resp: 624795

Ion	Ratio	Lower	Upper
106	100		
91	219.8	110.3	331.0

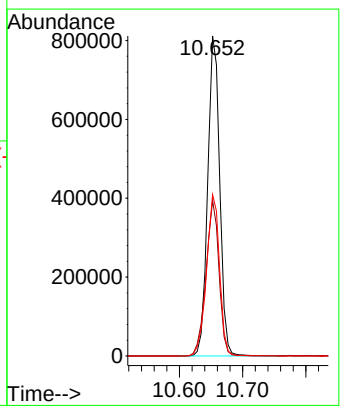


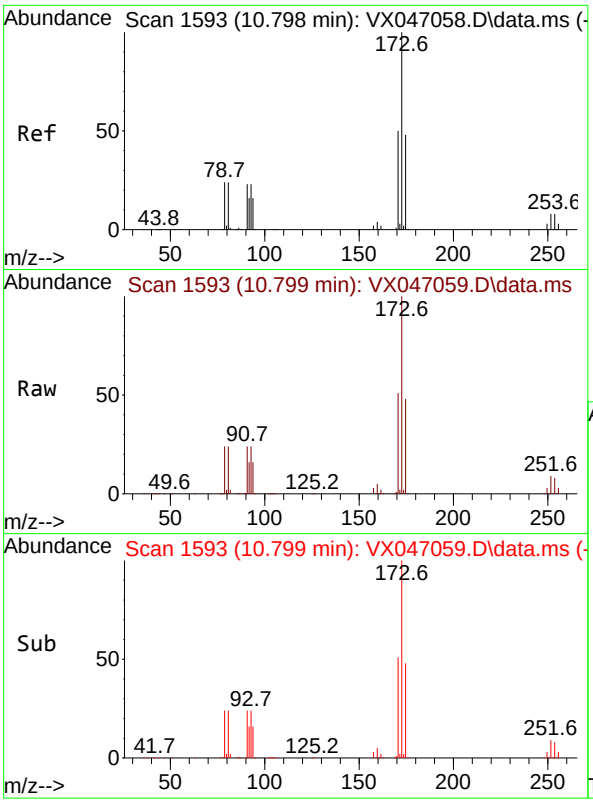


#70
Styrene
Concen: 96.694 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:104 Resp: 1072801

Ion	Ratio	Lower	Upper
104	100		
78	52.8	42.0	63.0
103	54.7	43.8	65.6



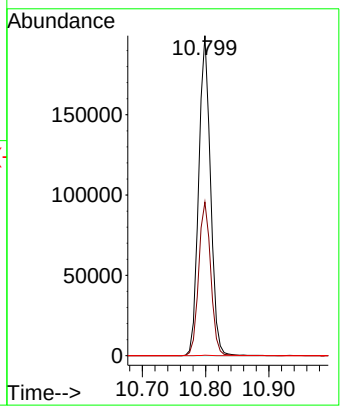


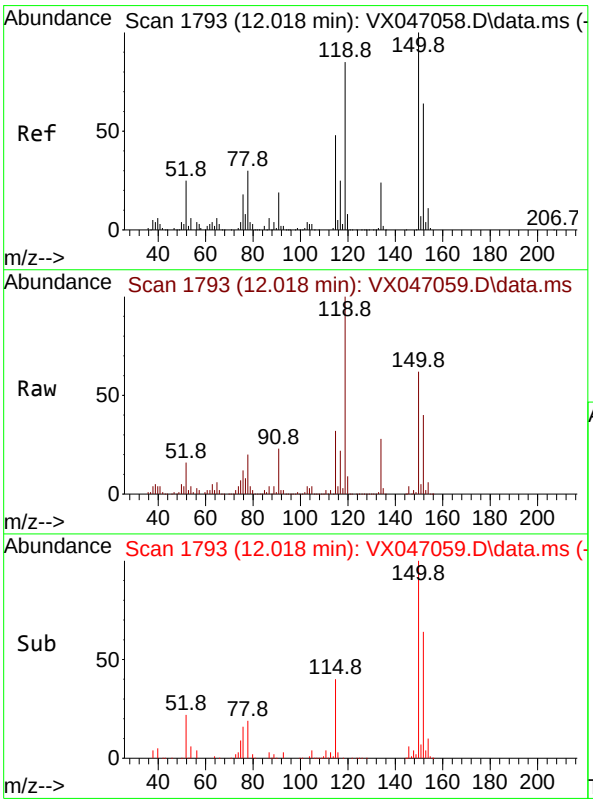
#71
Bromoform
Concen: 97.473 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:173 Resp: 259124

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.1	0.1	0.1#

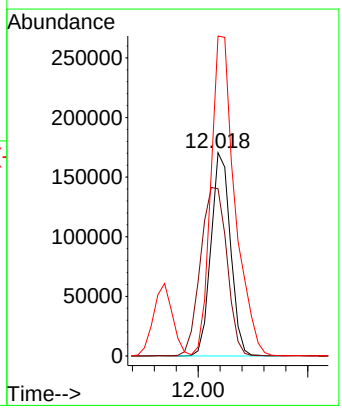


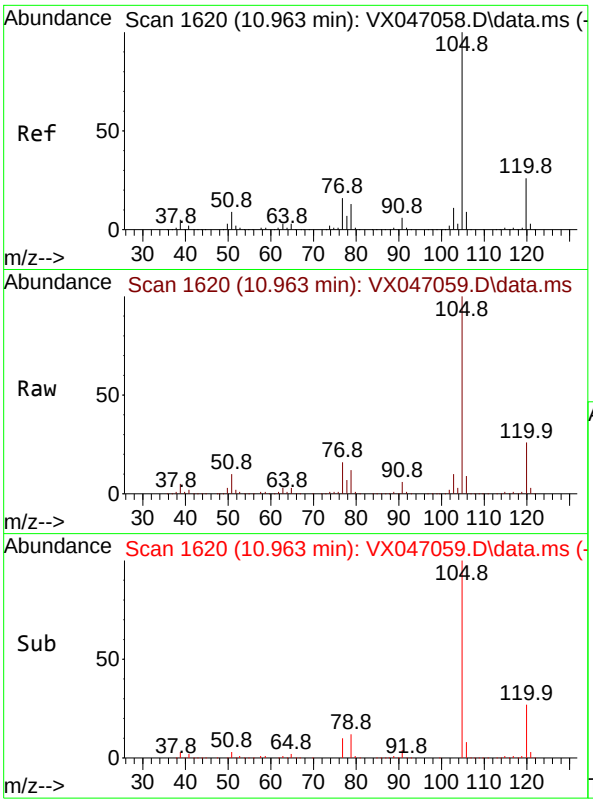


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:152 Resp: 210644

Ion	Ratio	Lower	Upper
152	100		
115	112.2	45.6	136.7
150	193.3	0.0	354.6



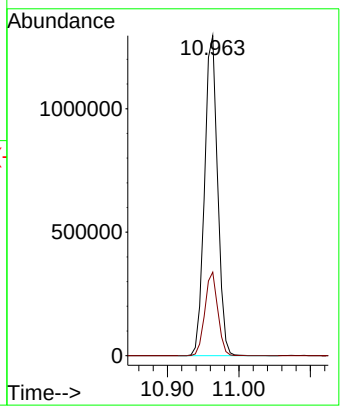


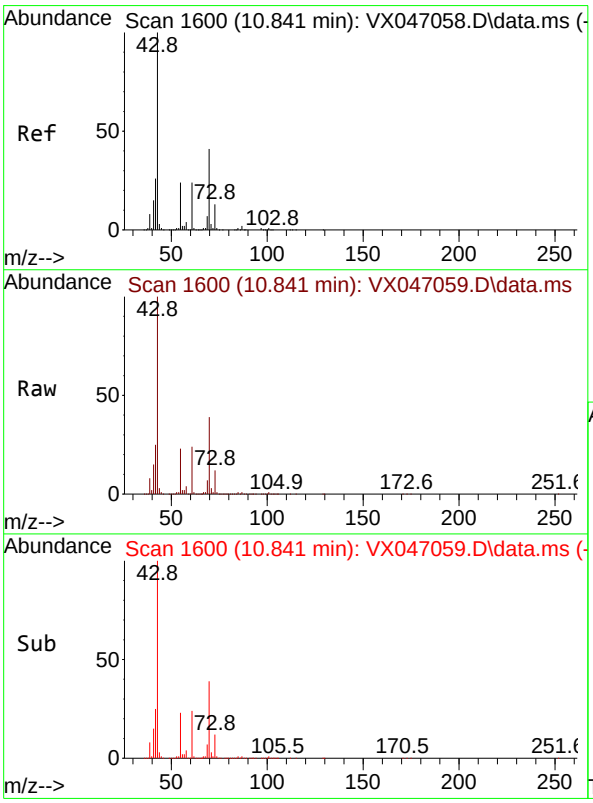
#73
Isopropylbenzene
Concen: 99.034 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1645804

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

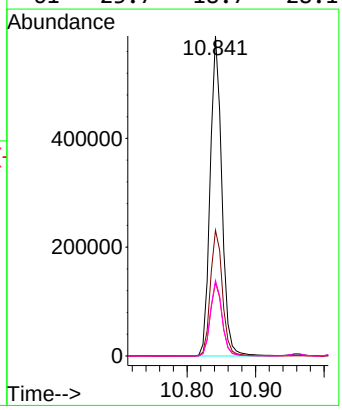


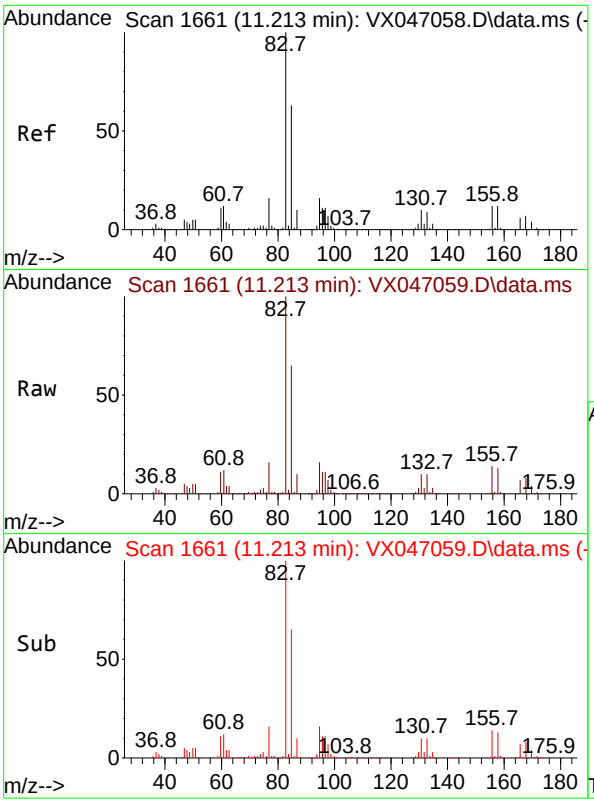


#74
N-amyl acetate
Concen: 105.369 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 43 Resp: 698465

Ion	Ratio	Lower	Upper
43	100		
70	40.5	32.3	48.5
55	23.3	18.9	28.3
61	23.7	18.7	28.1



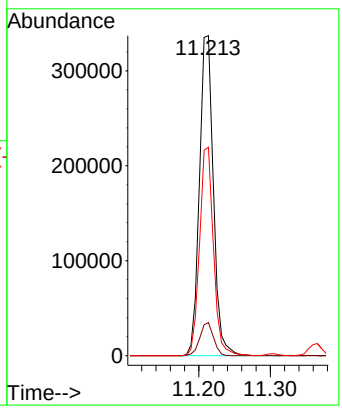


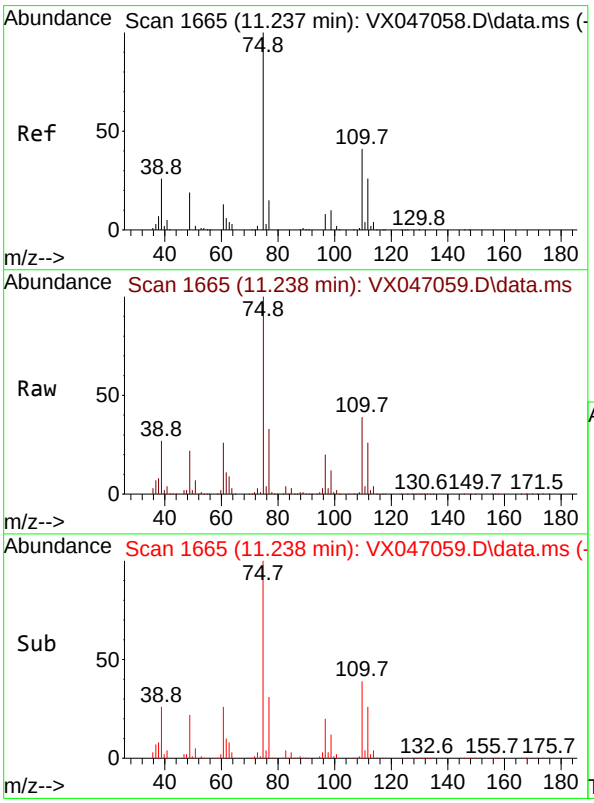
#75
1,1,2,2-Tetrachloroethane
Concen: 96.283 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 83 Resp: 457057

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	64.8	32.0	96.2

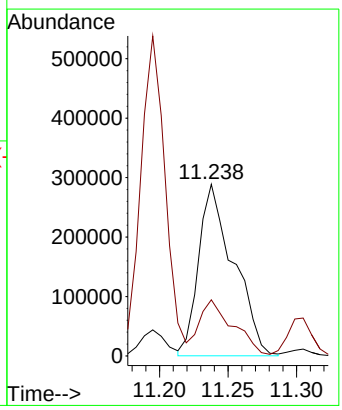


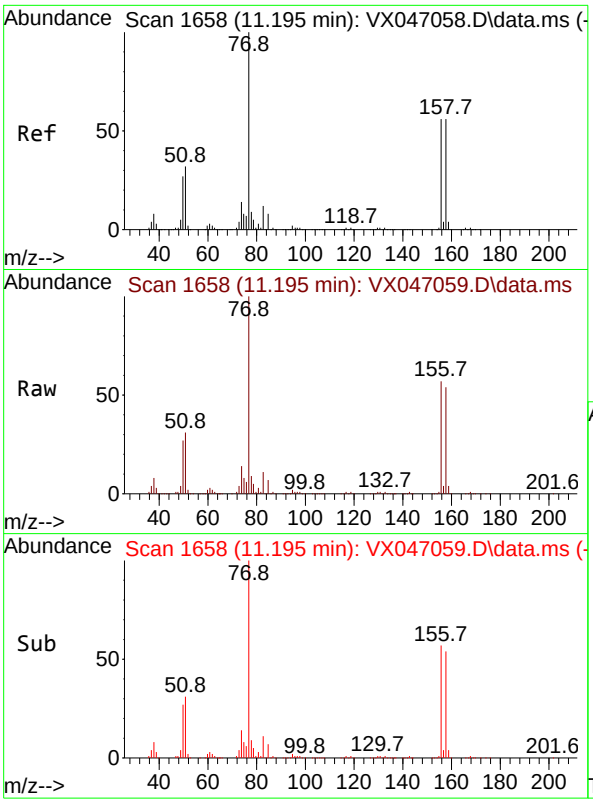


#76
1,2,3-Trichloropropane
Concen: 132.033 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 75 Resp: 514787

Ion	Ratio	Lower	Upper
75	100		
77	31.8	21.6	65.0



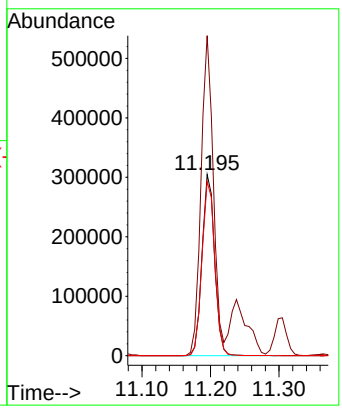


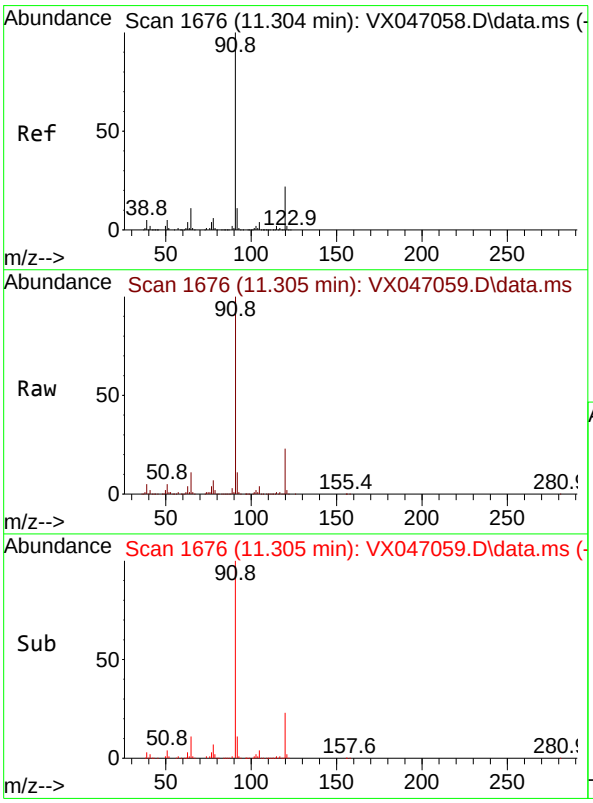
#77
Bromobenzene
Concen: 97.789 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:156 Resp: 389788

Ion	Ratio	Lower	Upper
156	100		
77	172.5	87.3	261.9
158	97.8	48.9	146.6

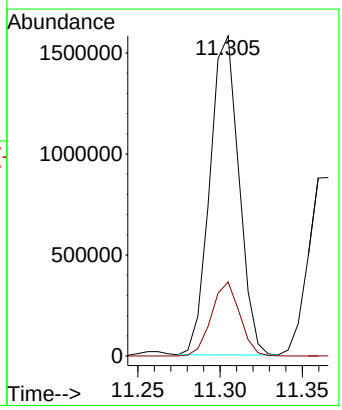


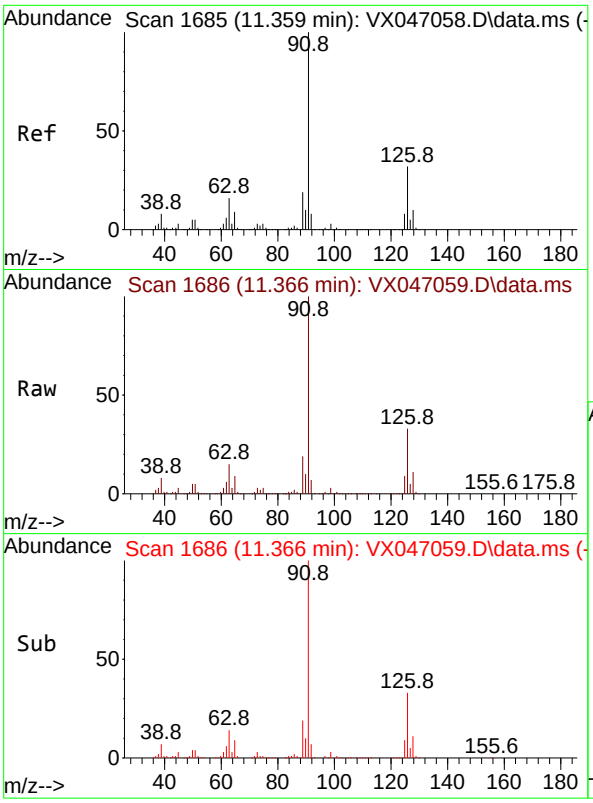


#78
n-propylbenzene
Concen: 97.969 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 91 Resp: 1945548

Ion	Ratio	Lower	Upper
91	100		
120	22.5	11.0	33.0



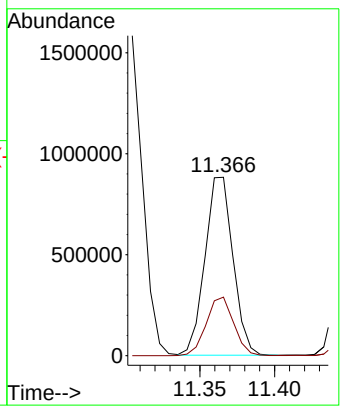


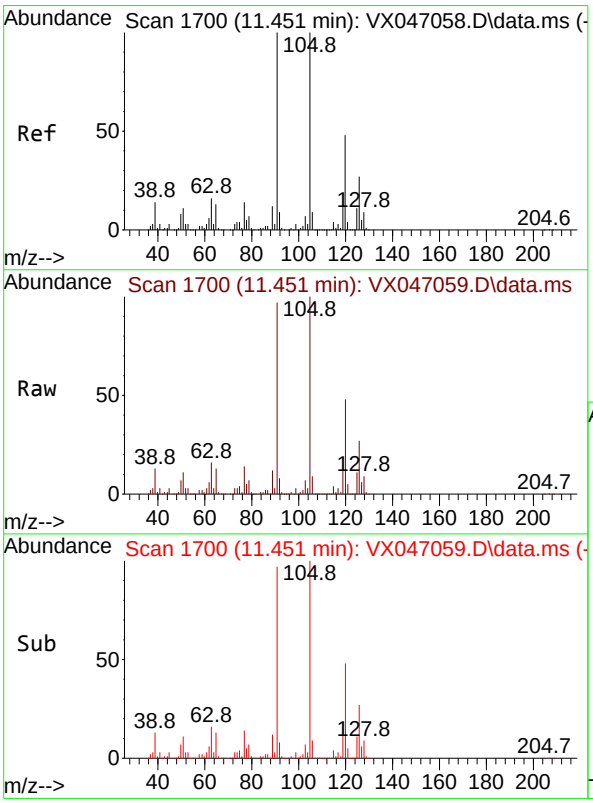
#79
2-Chlorotoluene
Concen: 96.889 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1150165

Ion	Ratio	Lower	Upper
91	100		
126	32.3	16.4	49.4

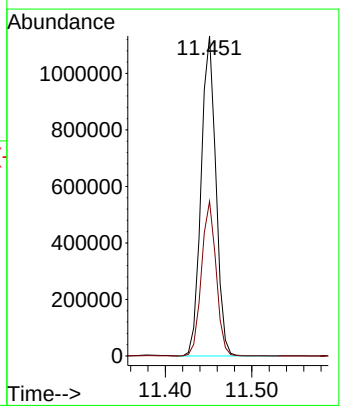


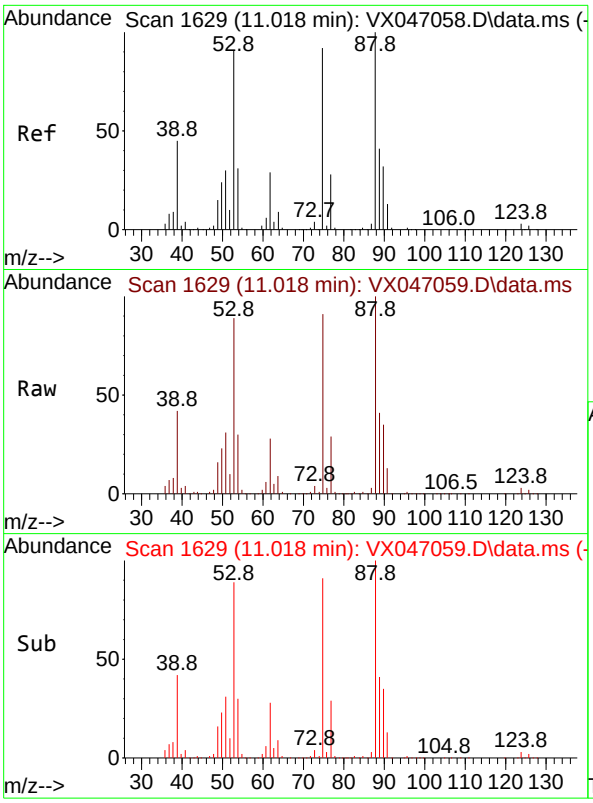


#80
1,3,5-Trimethylbenzene
Concen: 97.612 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:105 Resp: 1340151

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.8	71.5



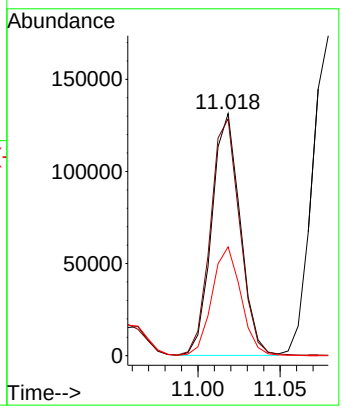


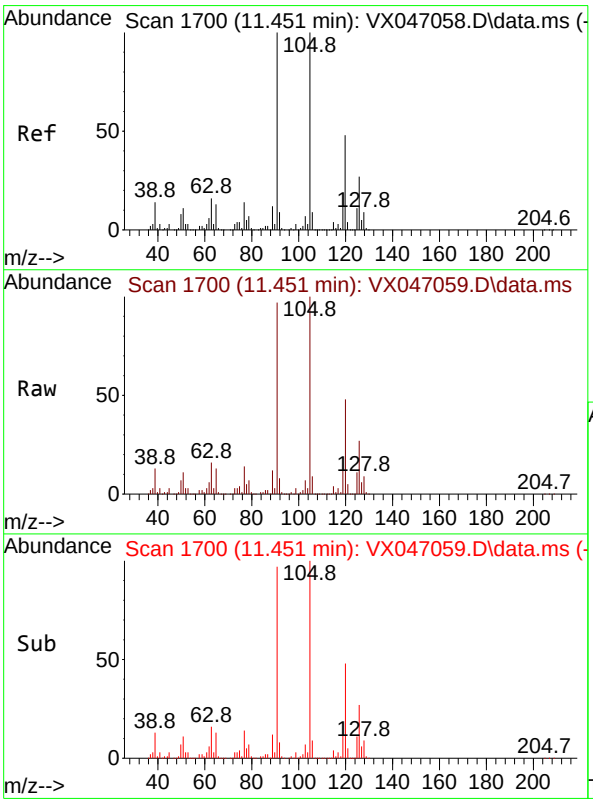
#81
trans-1,4-Dichloro-2-butene
Concen: 104.426 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 75 Resp: 158030

Ion	Ratio	Lower	Upper
75	100		
53	101.5	84.2	126.4
89	45.8	36.0	54.0

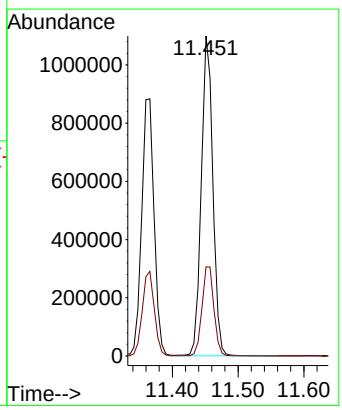


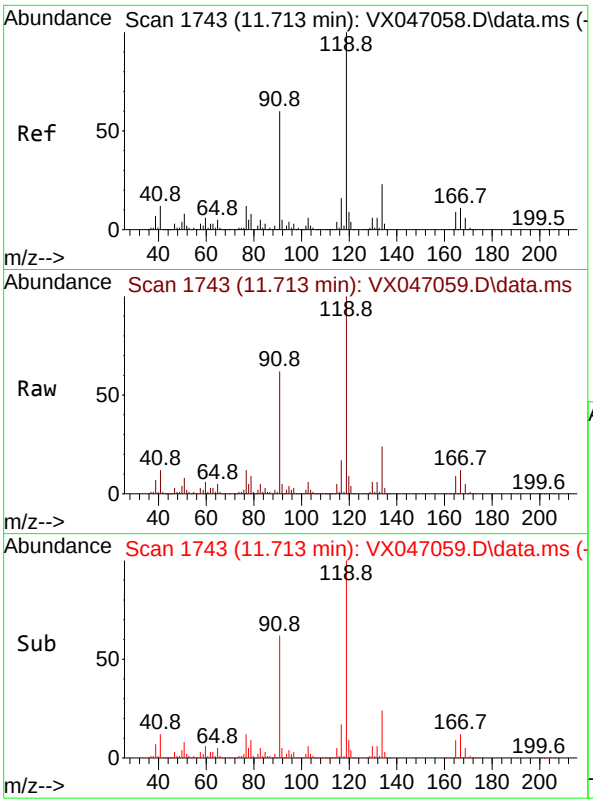


#82
4-Chlorotoluene
Concen: 96.766 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 91 Resp: 1340796

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.1	42.3



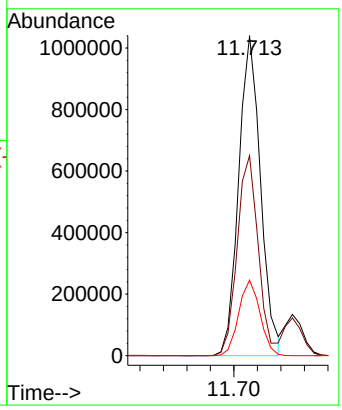


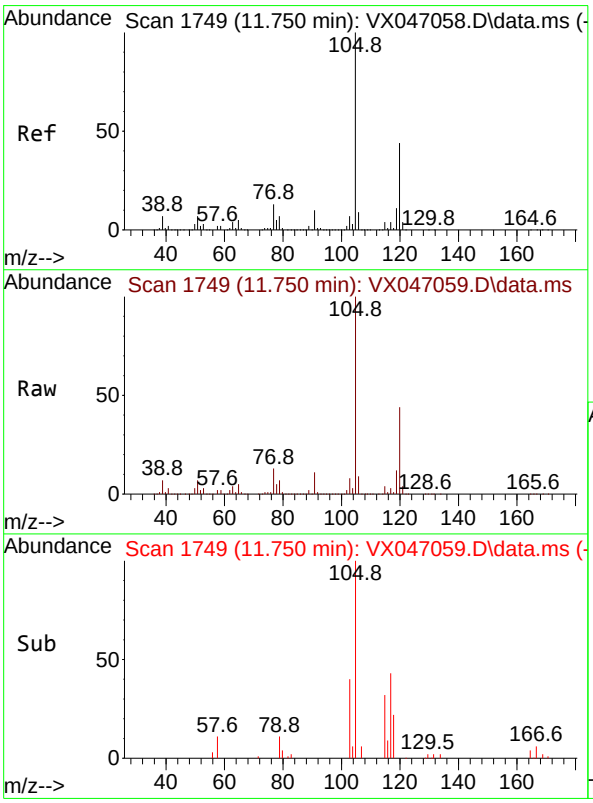
#83
tert-Butylbenzene
Concen: 97.765 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:119 Resp: 1347206

Ion	Ratio	Lower	Upper
119	100		
91	60.5	29.6	88.8
134	23.0	11.4	34.1

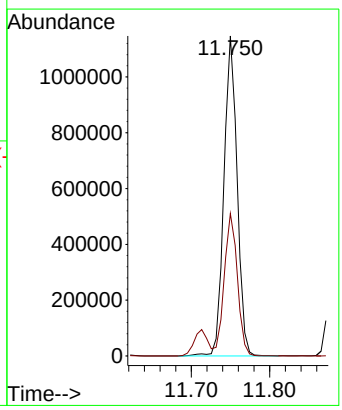


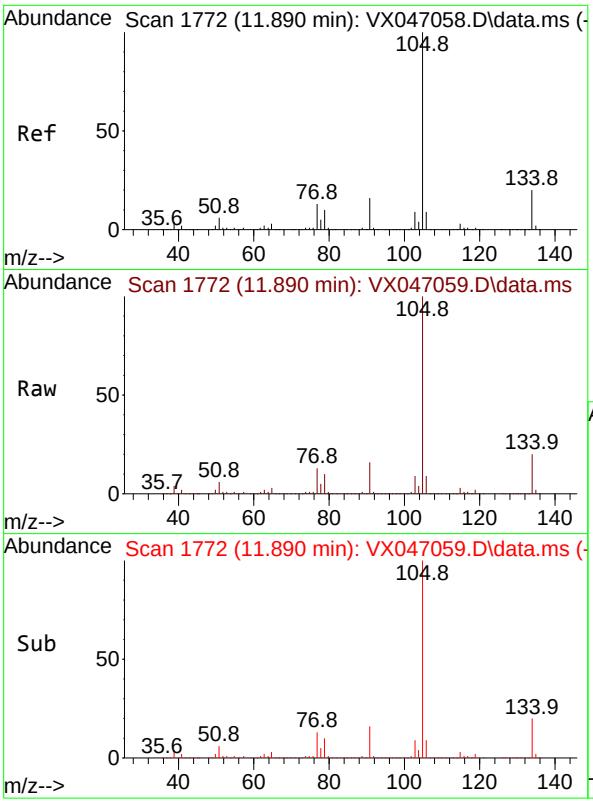


#84
1,2,4-Trimethylbenzene
Concen: 98.362 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:105 Resp: 1346982

Ion	Ratio	Lower	Upper
105	100		
120	44.4	22.0	66.0



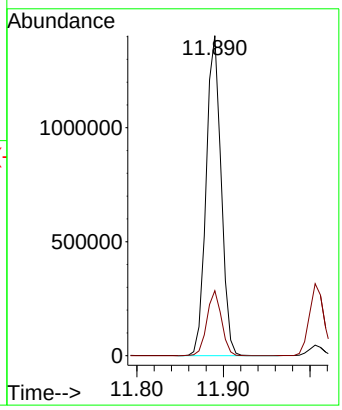


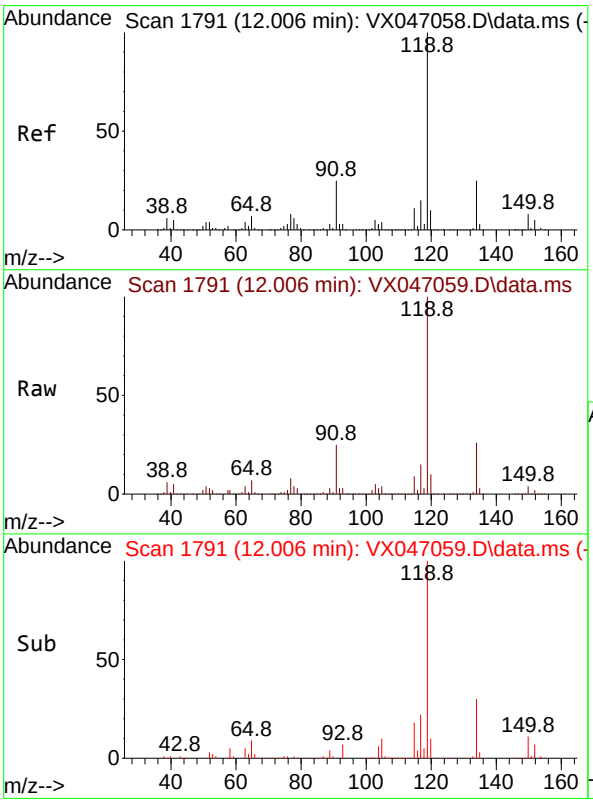
#85
sec-Butylbenzene
Concen: 97.702 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:105 Resp: 1682208

Ion	Ratio	Lower	Upper
105	100		
134	19.8	9.9	29.7

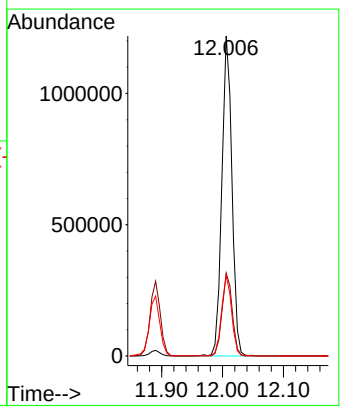


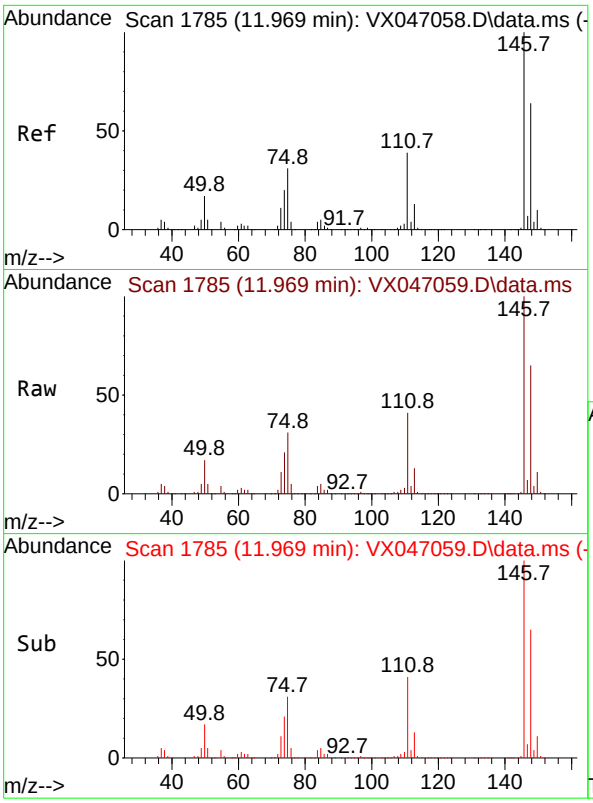


#86
p-Isopropyltoluene
Concen: 98.379 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:119 Resp: 1404678

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.0	12.4	37.4



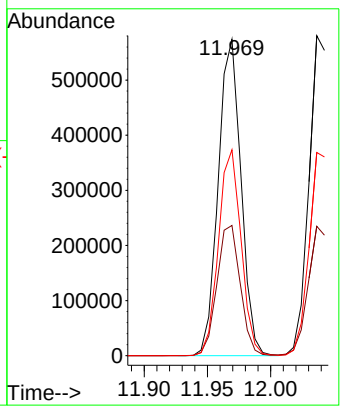


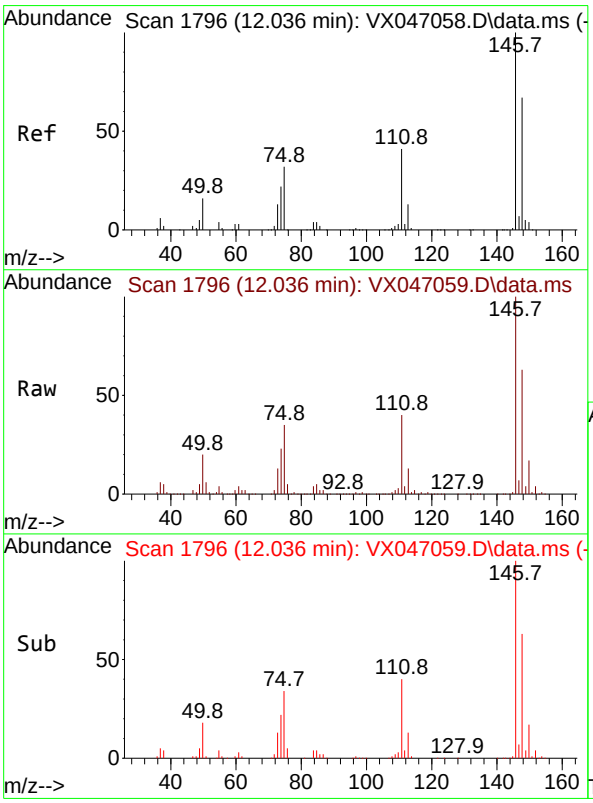
#87
1,3-Dichlorobenzene
Concen: 94.782 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 717851

Ion	Ratio	Lower	Upper
146	100		
111	42.2	21.0	63.0
148	64.6	32.0	96.0

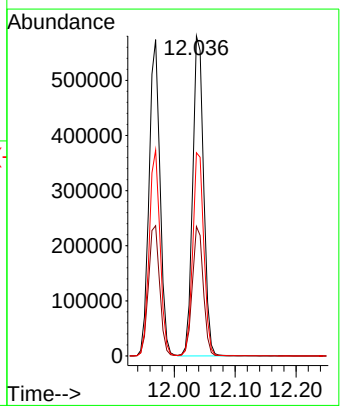


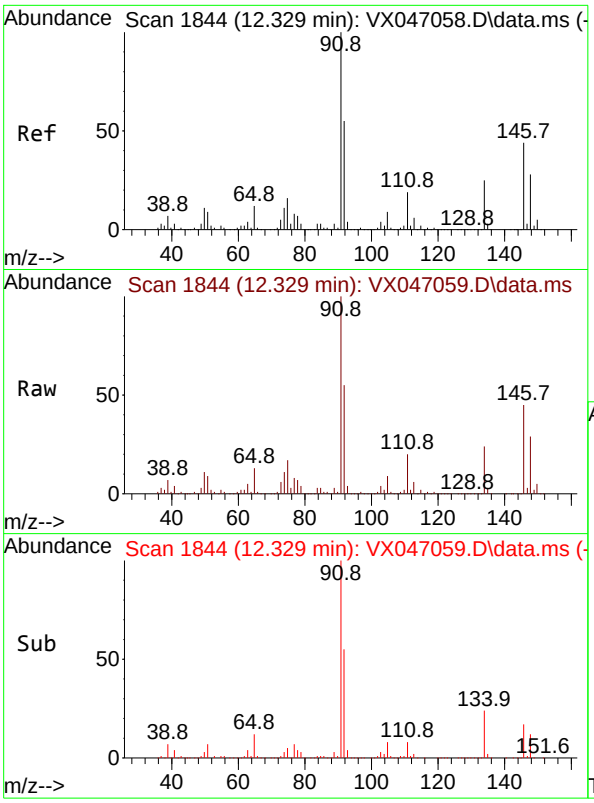


#88
1,4-Dichlorobenzene
Concen: 94.617 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:146 Resp: 726014

Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.6	61.9
148	64.2	33.0	98.9



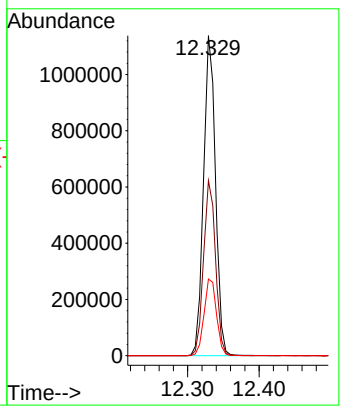


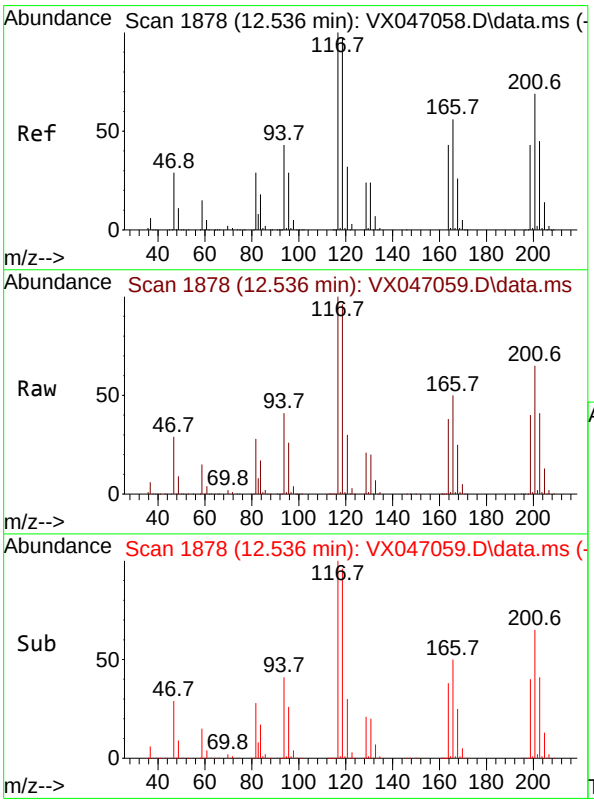
#89
n-Butylbenzene
Concen: 98.826 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion: 91 Resp: 1323274

Ion	Ratio	Lower	Upper
91	100		
92	54.9	27.5	82.5
134	25.0	12.8	38.3

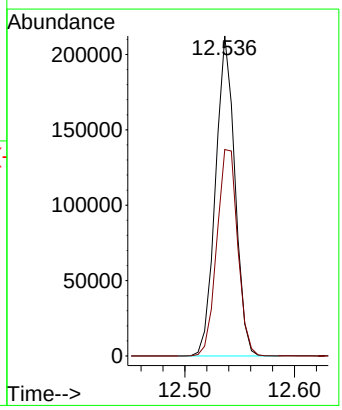


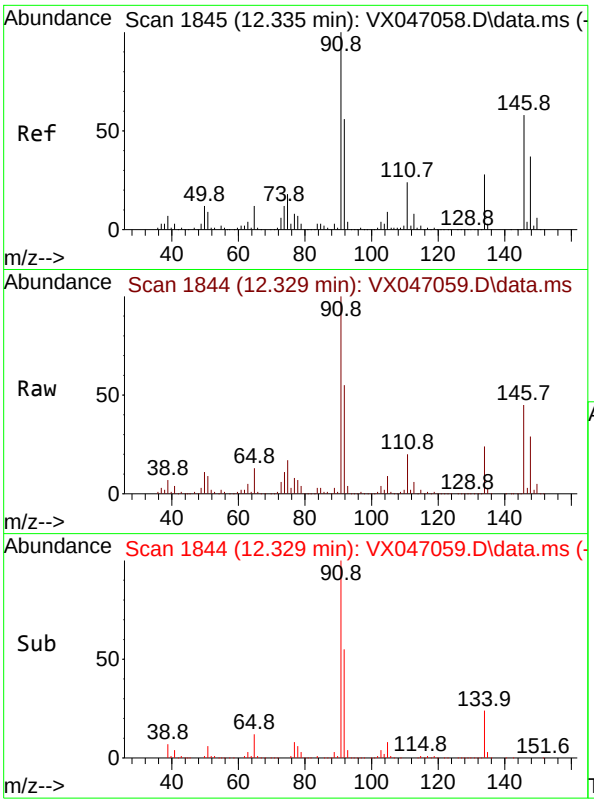


#90
Hexachloroethane
Concen: 102.152 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:117 Resp: 260929

Ion	Ratio	Lower	Upper
117	100		
201	69.6	34.8	104.5



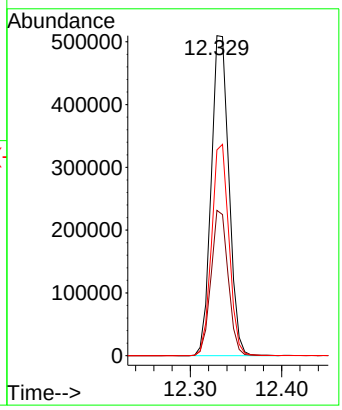


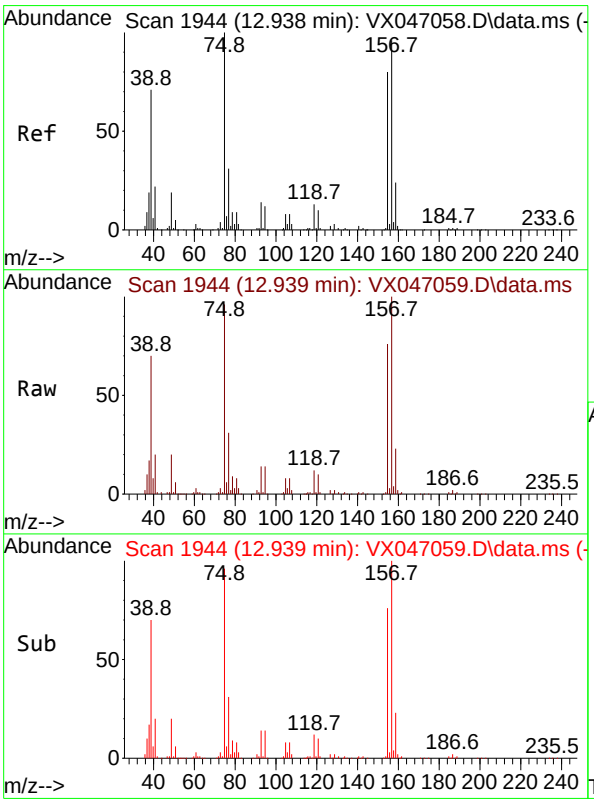
#91
1,2-Dichlorobenzene
Concen: 94.557 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:146 Resp: 684462

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	64.6
148	64.8	31.9	95.7

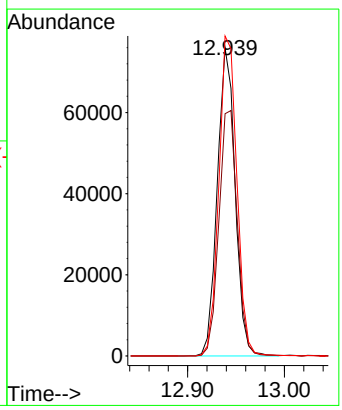


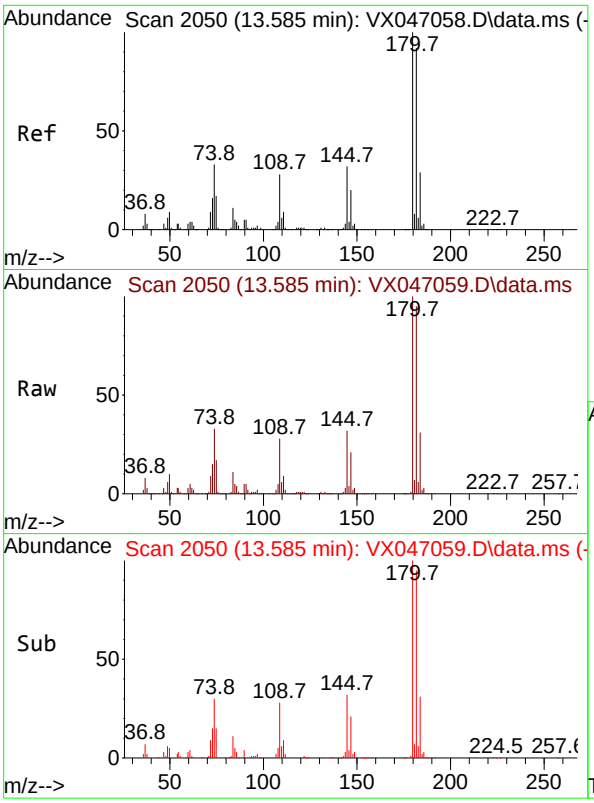


#92
1,2-Dibromo-3-Chloropropane
Concen: 106.683 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion: 75 Resp: 97209

Ion	Ratio	Lower	Upper
75	100		
155	82.3	41.3	124.1
157	104.9	52.8	158.3



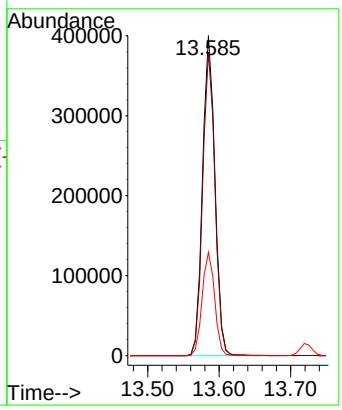


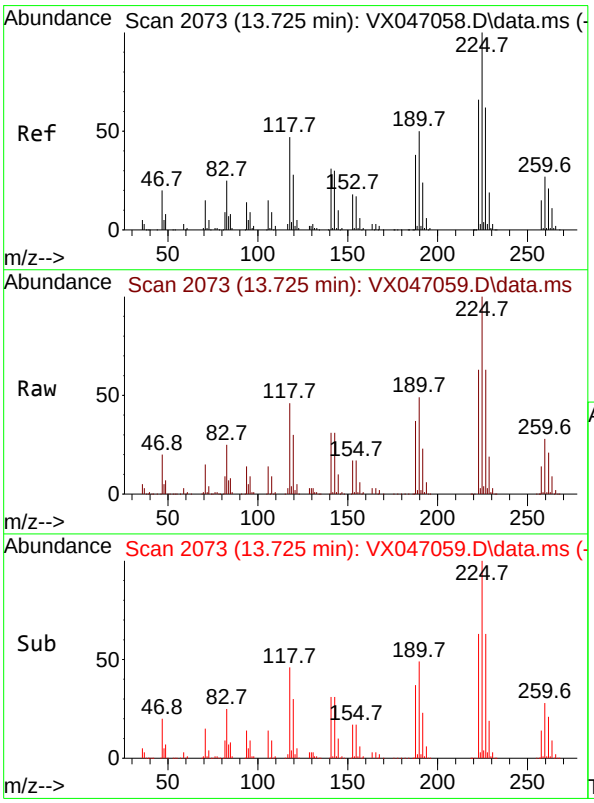
#93
1,2,4-Trichlorobenzene
Concen: 100.755 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:180 Resp: 481866

Ion	Ratio	Lower	Upper
180	100		
182	94.4	47.3	141.8
145	32.6	16.4	49.1

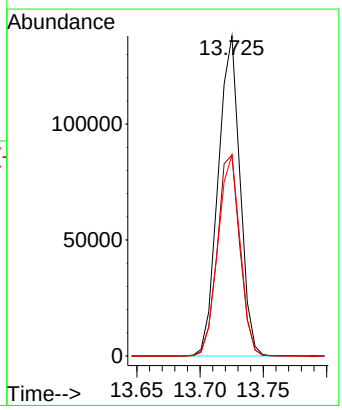


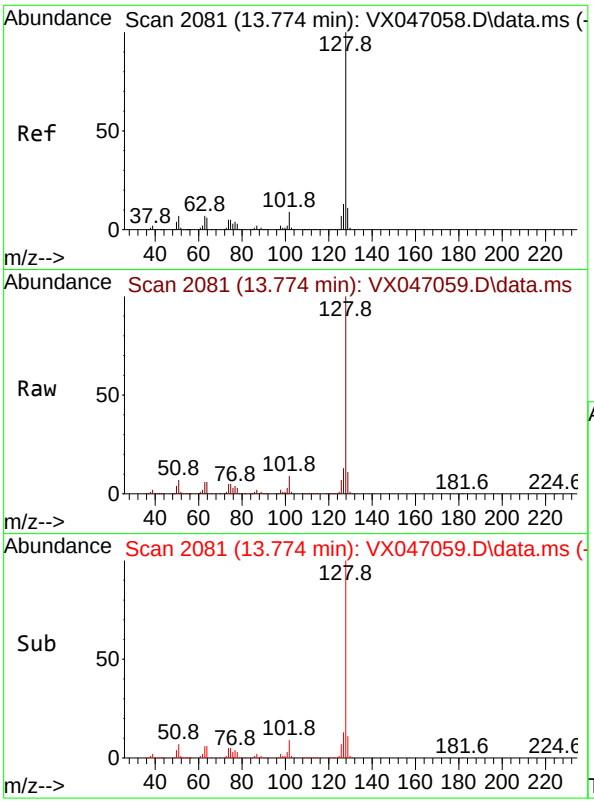


#94
Hexachlorobutadiene
Concen: 101.539 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:225 Resp: 165153

Ion	Ratio	Lower	Upper
225	100		
223	64.9	31.6	95.0
227	63.9	32.9	98.6



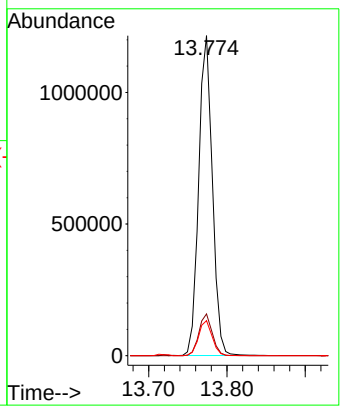


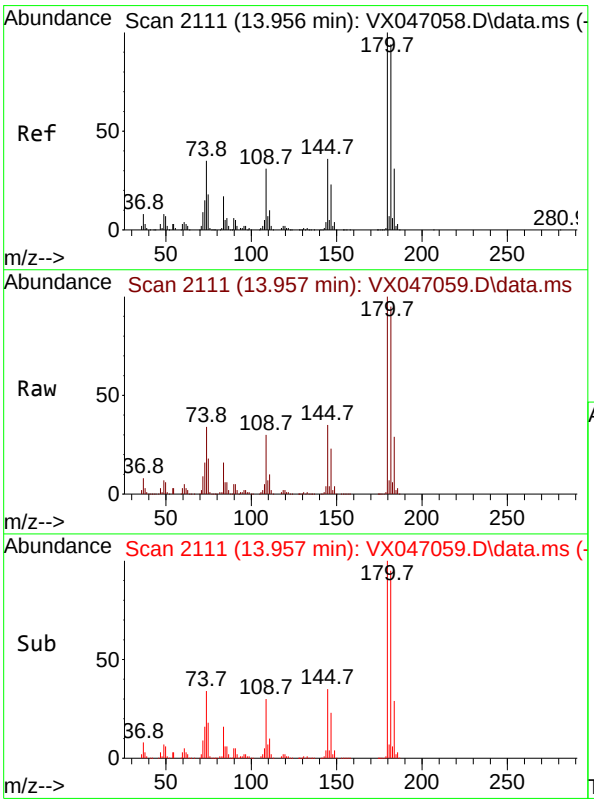
#95
Naphthalene
Concen: 105.135 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Tgt Ion:128 Resp: 1474039

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.9	8.6	13.0

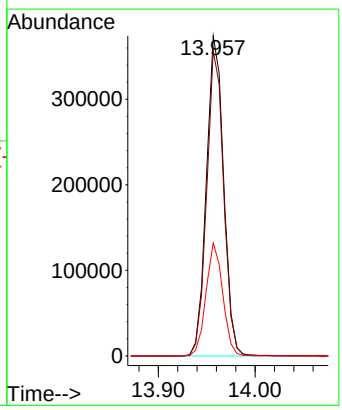




#96
1,2,3-Trichlorobenzene
Concen: 100.760 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047059.D
Acq: 21 Jul 2025 11:11

Tgt Ion:180 Resp: 464244

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.6
145	34.4	17.3	52.0



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

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

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	373711	154.886	ug/l		98
42) 1,2-Dichloroethane	6.092	62	737991	144.555	ug/l		99
43) Isopropyl Acetate	6.342	43	1145157	159.182	ug/l		99
44) Trichloroethene	7.129	130	547123	147.215	ug/l		97
45) 1,2-Dichloropropane	7.434	63	529204	145.791	ug/l		97
46) Dibromomethane	7.586	93	381666	149.938	ug/l		99
47) Bromodichloromethane	7.824	83	794793	146.693	ug/l		99
48) Methyl methacrylate	7.696	41	589190	150.339	ug/l		99
49) 1,4-Dioxane	7.665	88	141473	3173.881	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	3143746	735.203	ug/l		100
52) Toluene	8.720	92	1298426	145.703	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	802670	156.884	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	876033	156.442	ug/l		100
55) 1,1,2-Trichloroethane	9.153	97	478247	143.101	ug/l		99
56) Ethyl methacrylate	9.116	69	791875	160.053	ug/l		99
57) 1,3-Dichloropropane	9.305	76	823631	141.802	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	2120903	770.350	ug/l		99
59) 2-Hexanone	9.433	43	2172764	769.096	ug/l		99
60) Dibromochloromethane	9.519	129	583183	148.786	ug/l		99
61) 1,2-Dibromoethane	9.610	107	500995	143.366	ug/l		99
64) Tetrachloroethene	9.275	164	433805	142.999	ug/l		98
65) Chlorobenzene	10.079	112	1432482	145.306	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	495347	149.242	ug/l		98
67) Ethyl Benzene	10.195	91	2508990	145.559	ug/l		100
68) m/p-Xylenes	10.299	106	1848008	286.495	ug/l		98
69) o-Xylene	10.640	106	897705	146.292	ug/l		100
70) Styrene	10.653	104	1538516	146.214	ug/l		99
71) Bromoform	10.799	173	377881	149.877	ug/l	#	100
73) Isopropylbenzene	10.963	105	2341028	151.299	ug/l		99
74) N-amyl acetate	10.842	43	1017450	164.856	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	649081	146.858	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	737375	203.126	ug/l		82
77) Bromobenzene	11.195	156	555966	149.806	ug/l		99
78) n-propylbenzene	11.305	91	2790577	150.924	ug/l		99
79) 2-Chlorotoluene	11.366	91	1641174	148.487	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	1921023	150.280	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	234105	166.150	ug/l		95
82) 4-Chlorotoluene	11.451	91	1901346	147.381	ug/l		99
83) tert-Butylbenzene	11.713	119	1941048	151.288	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	1923088	150.829	ug/l		100
85) sec-Butylbenzene	11.890	105	2386553	148.873	ug/l		100
86) p-Isopropyltoluene	12.006	119	2001346	150.546	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	1044993	148.192	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	1039670	145.525	ug/l		98
89) n-Butylbenzene	12.329	91	1874924	150.392	ug/l		99
90) Hexachloroethane	12.536	117	376780	158.429	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	994860	147.614	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	142395	167.843	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	691853	155.373	ug/l		100
94) Hexachlorobutadiene	13.725	225	224504	148.249	ug/l		97
95) Naphthalene	13.774	128	2171681	166.363	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	662501	154.436	ug/l		99

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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

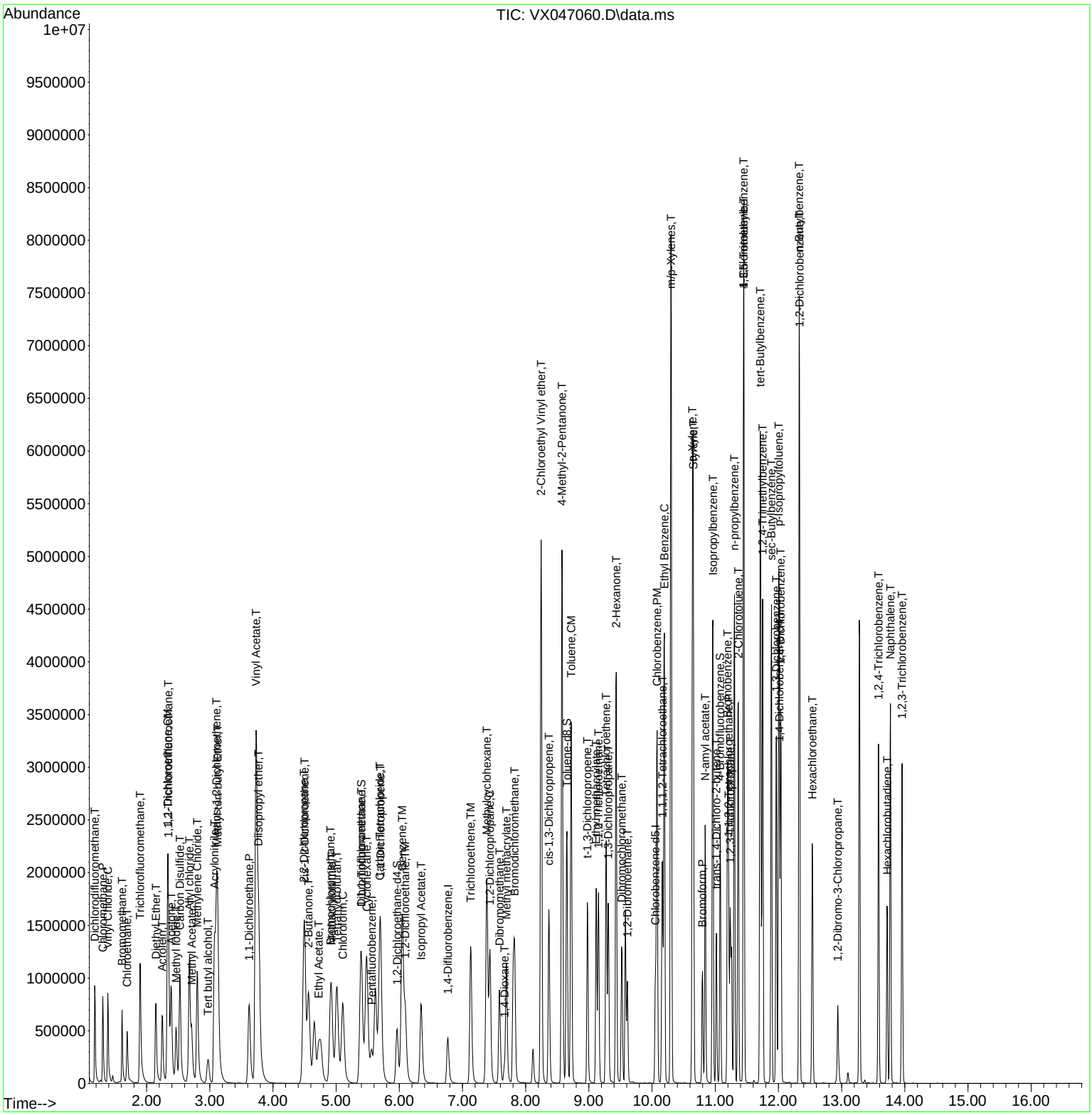
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

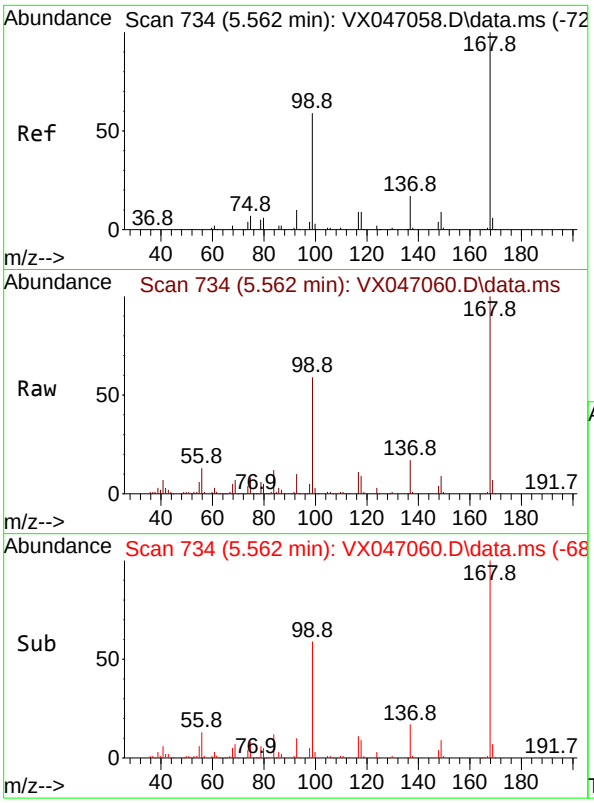
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

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



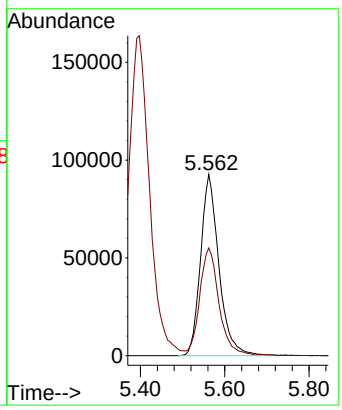


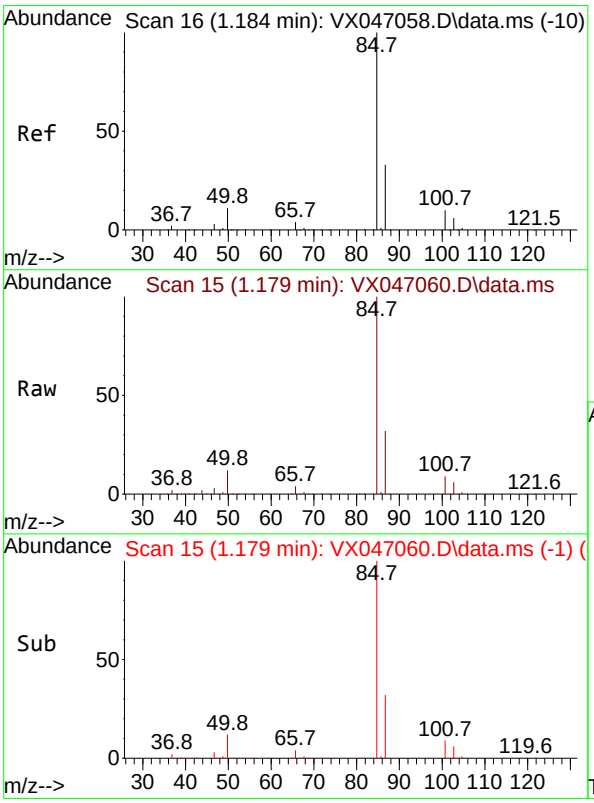
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:168 Resp: 281238

Ion	Ratio	Lower	Upper
168	100		
99	59.4	48.0	72.0

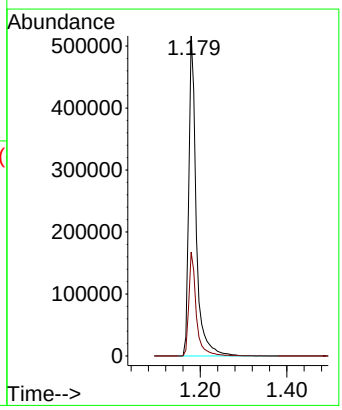


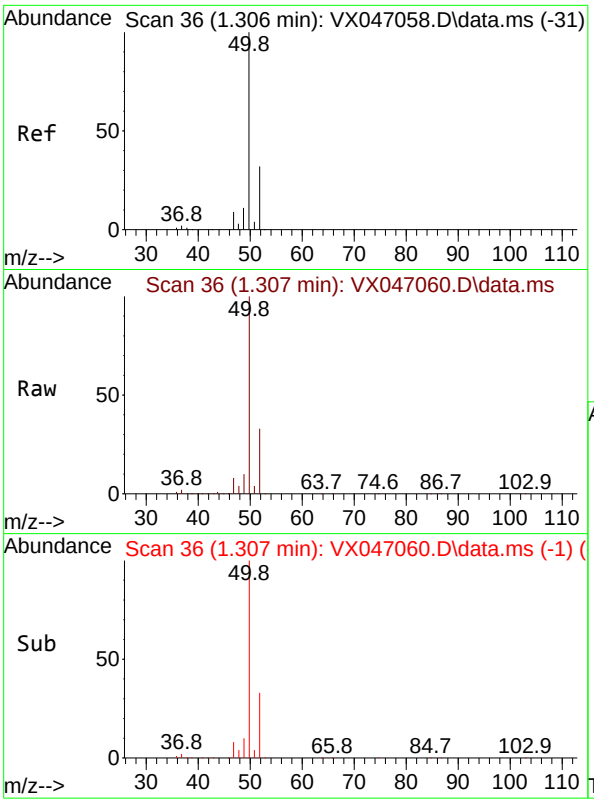


#2
Dichlorodifluoromethane
Concen: 164.628 ug/l
RT: 1.179 min Scan# 15
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 85 Resp: 614977

Ion	Ratio	Lower	Upper
85	100		
87	32.4	16.6	49.8



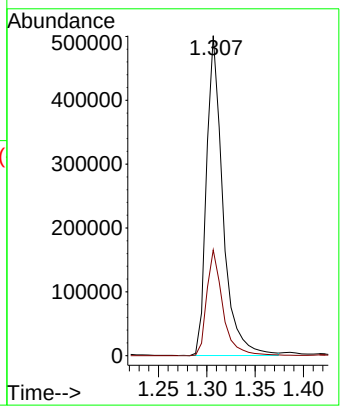


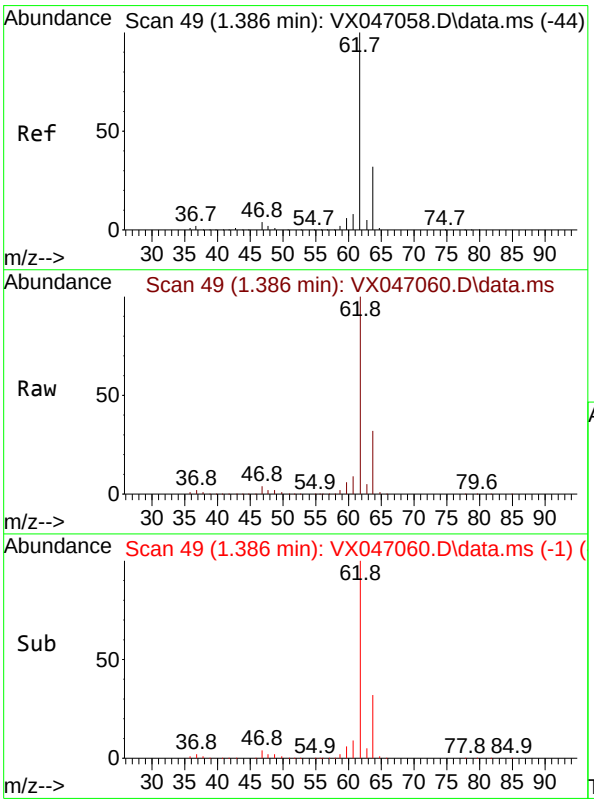
#3
Chloromethane
Concen: 160.024 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 50 Resp: 591309

Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.4	38.2

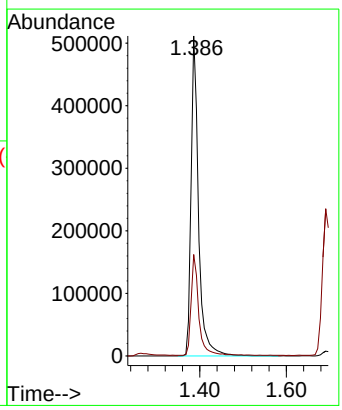


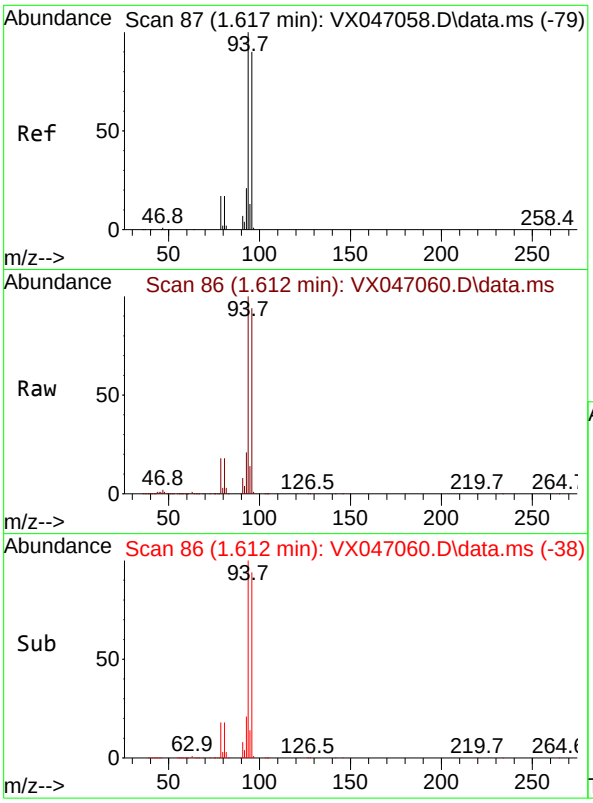


#4
Vinyl Chloride
Concen: 153.566 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 62 Resp: 609982

Ion	Ratio	Lower	Upper
62	100		
64	31.5	25.2	37.8



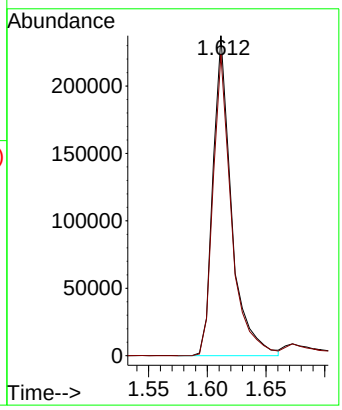


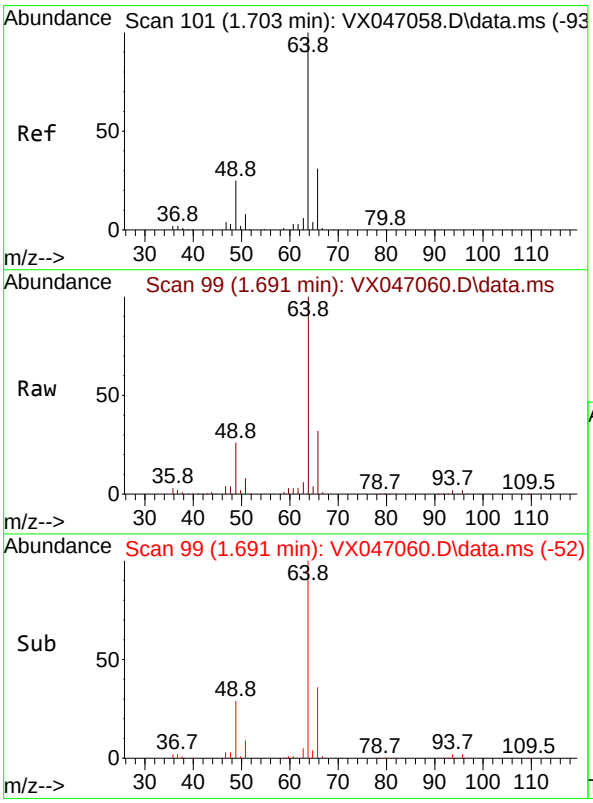
#5
Bromomethane
Concen: 120.842 ug/l
RT: 1.612 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 94 Resp: 260740

Ion	Ratio	Lower	Upper
94	100		
96	94.1	72.3	108.5

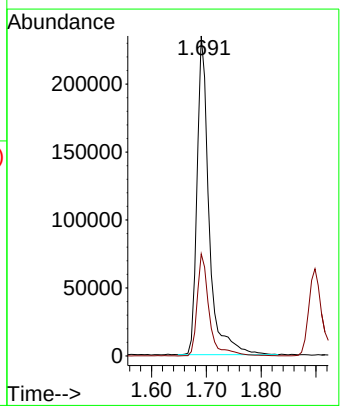


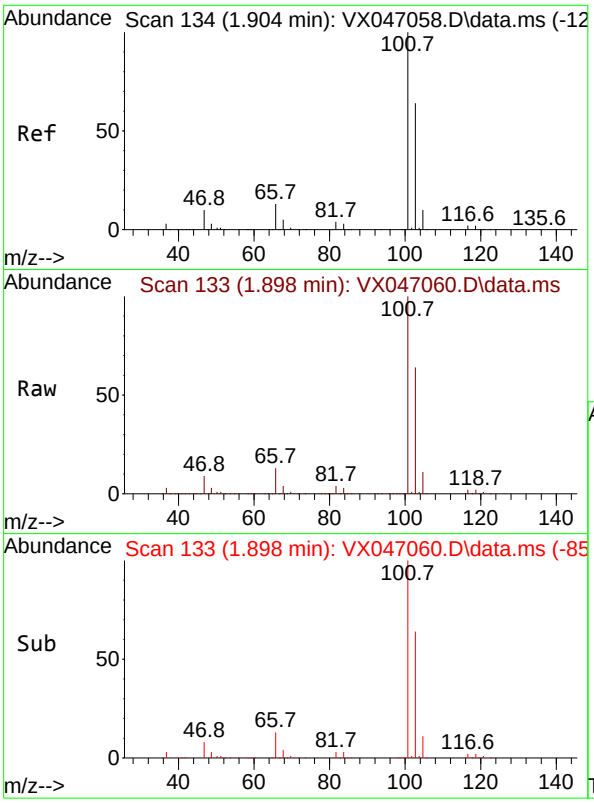


#6
Chloroethane
Concen: 137.087 ug/l
RT: 1.691 min Scan# 99
Delta R.T. -0.012 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 64 Resp: 357637

Ion	Ratio	Lower	Upper
64	100		
66	32.0	25.0	37.6



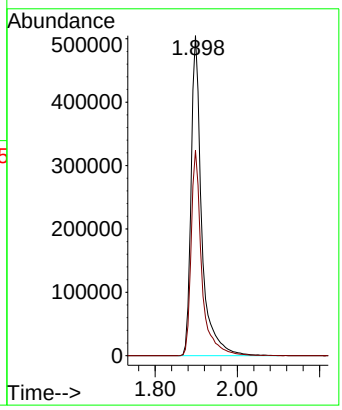


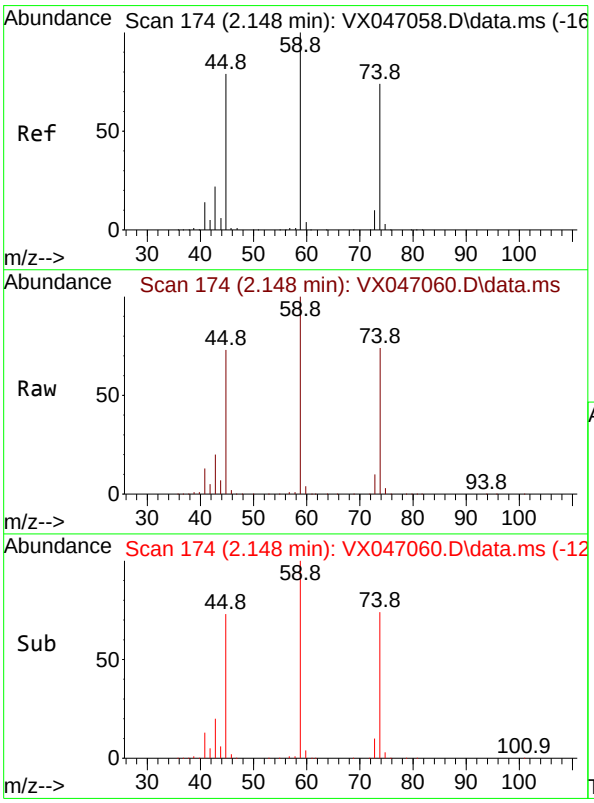
#7
Trichlorofluoromethane
Concen: 152.614 ug/l
RT: 1.898 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 903925

Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.9	76.3

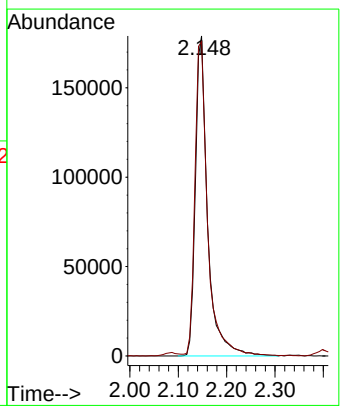


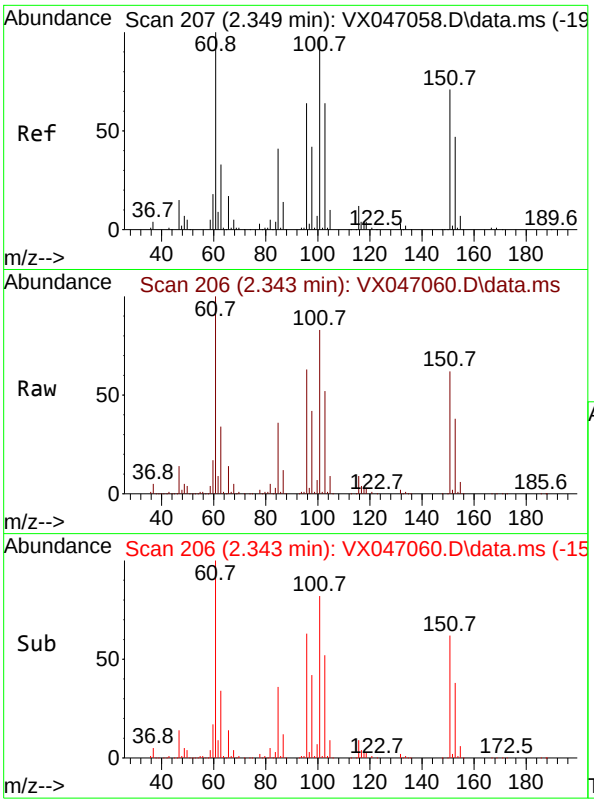


#8
Diethyl Ether
Concen: 149.683 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 74 Resp: 312592

Ion	Ratio	Lower	Upper
74	100		
45	101.9	53.0	159.0



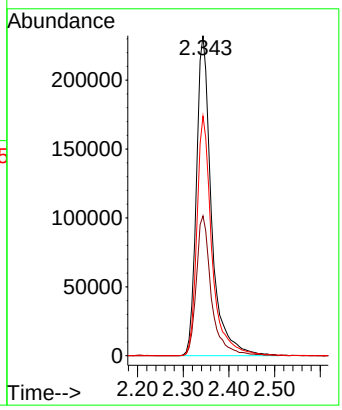


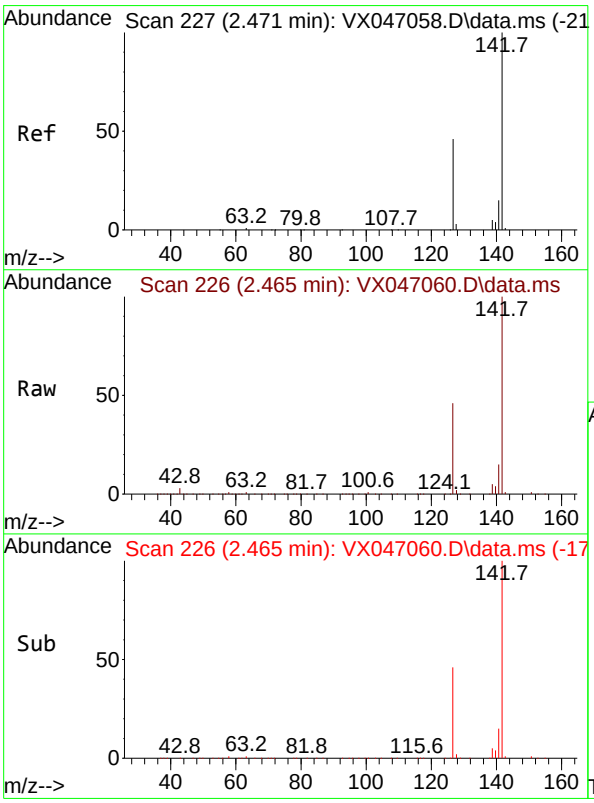
#9
1,1,2-Trichlorotrifluoroethane
Concen: 149.251 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:101 Resp: 532594

Ion	Ratio	Lower	Upper
101	100		
85	43.8	35.4	53.0
151	74.8	59.2	88.8

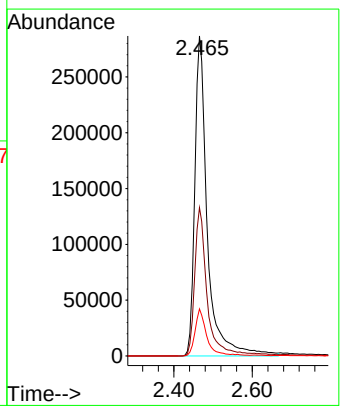


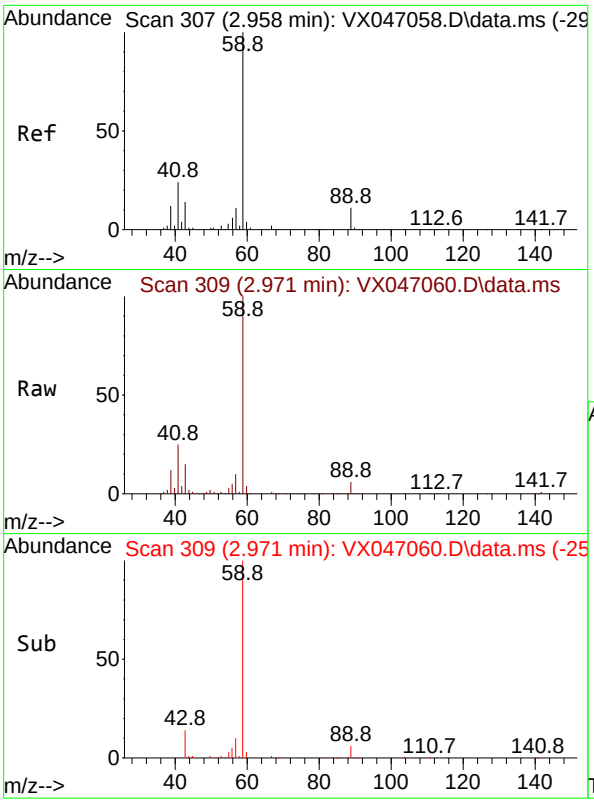


#10
Methyl Iodide
Concen: 176.203 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:142 Resp: 640817

Ion	Ratio	Lower	Upper
142	100		
127	46.4	36.6	54.8
141	13.8	10.9	16.3



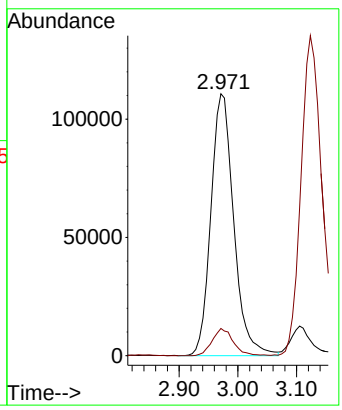


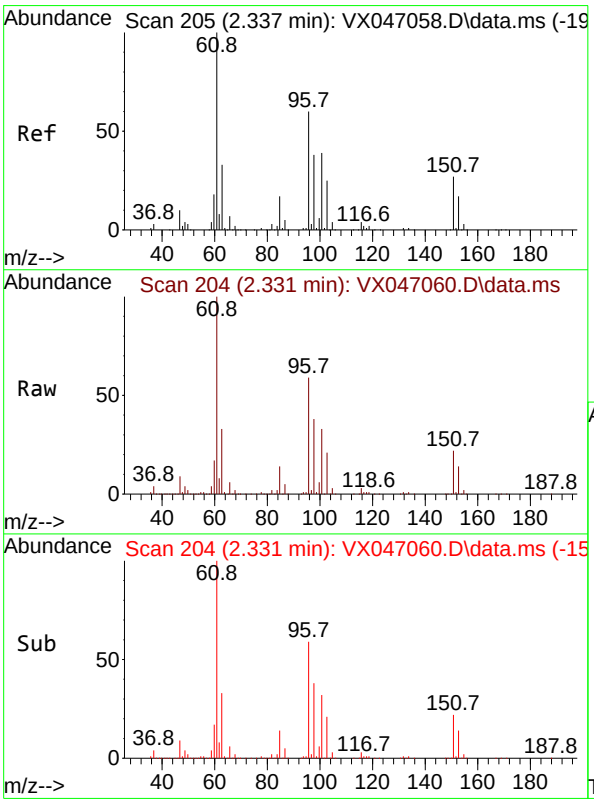
#11
Tert butyl alcohol
Concen: 752.233 ug/l
RT: 2.971 min Scan# 3
Delta R.T. 0.013 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 59 Resp: 299604

Ion	Ratio	Lower	Upper
59	100		
57	9.6	8.5	12.7

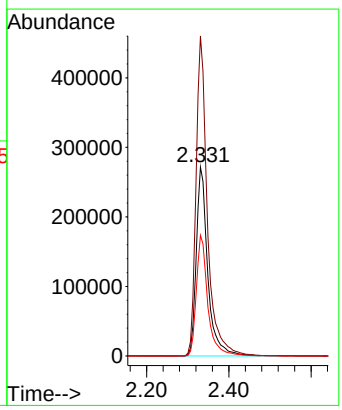


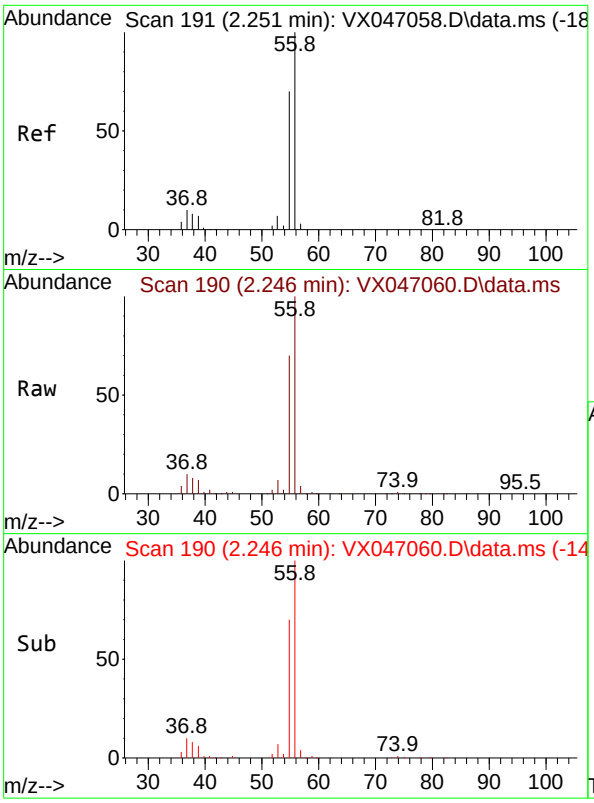


#12
1,1-Dichloroethene
Concen: 149.314 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 96 Resp: 527730

Ion	Ratio	Lower	Upper
96	100		
61	169.3	132.6	198.8
98	63.9	50.2	75.4



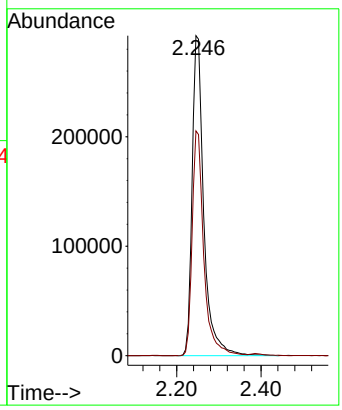


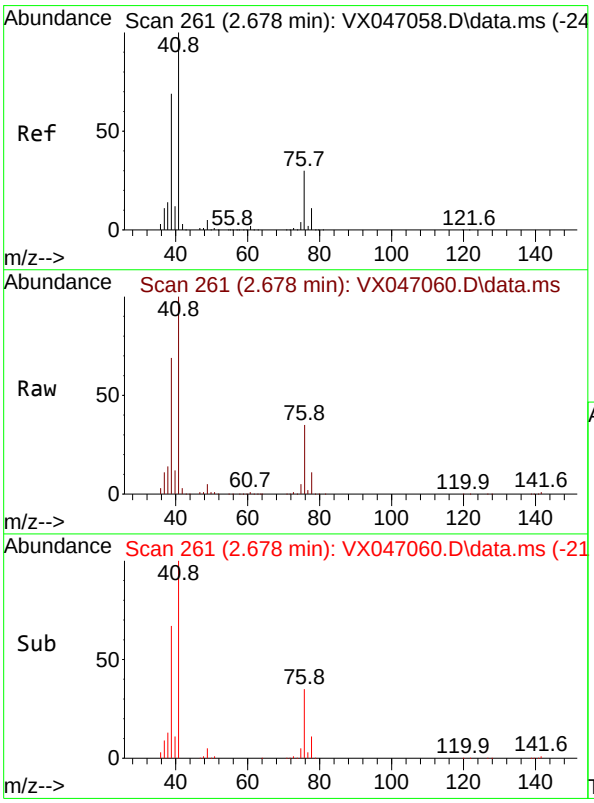
#13
Acrolein
Concen: 746.645 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 563218

Ion	Ratio	Lower	Upper
56	100		
55	70.1	55.7	83.5

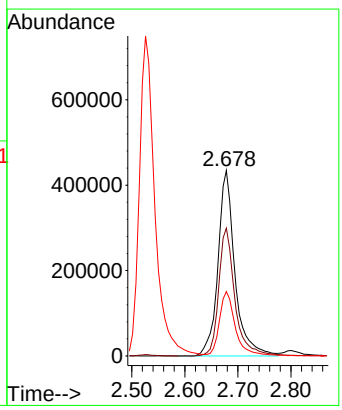


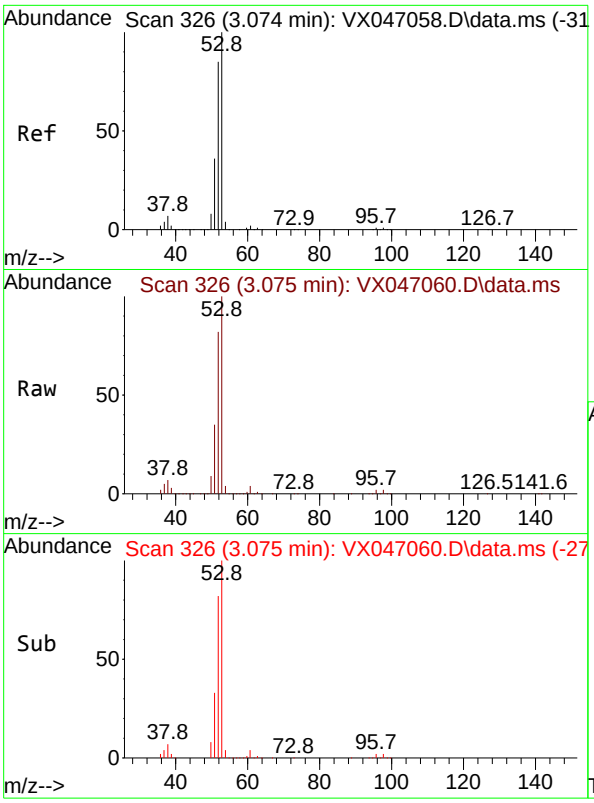


#14
Allyl chloride
Concen: 150.960 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 41 Resp: 964459

Ion	Ratio	Lower	Upper
41	100		
39	66.1	52.6	78.8
76	32.7	25.7	38.5



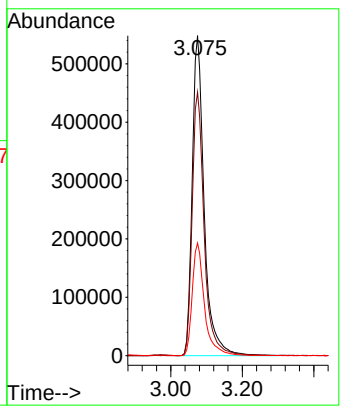


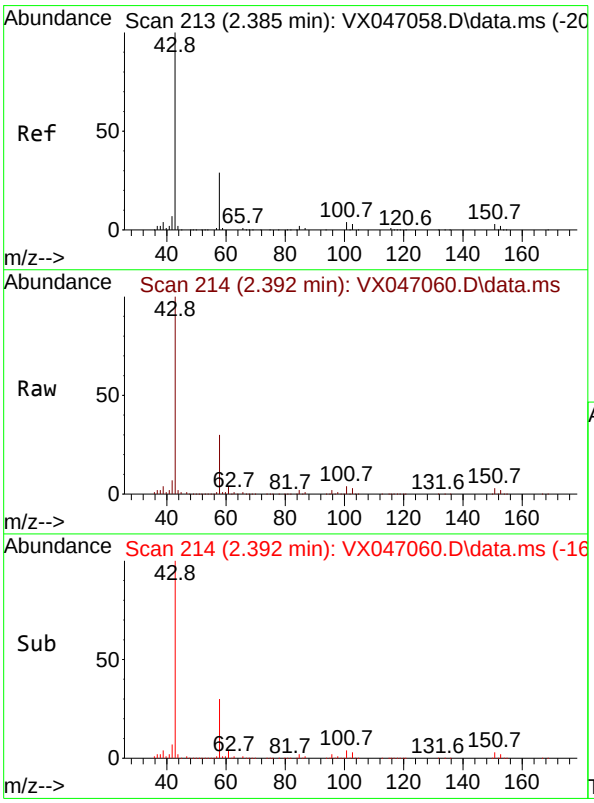
#15
Acrylonitrile
Concen: 762.599 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 53 Resp: 1274179

Ion	Ratio	Lower	Upper
53	100		
52	82.9	65.7	98.5
51	36.0	28.8	43.2

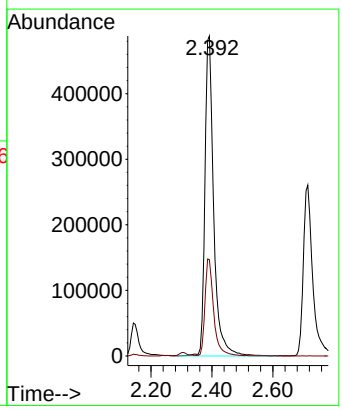


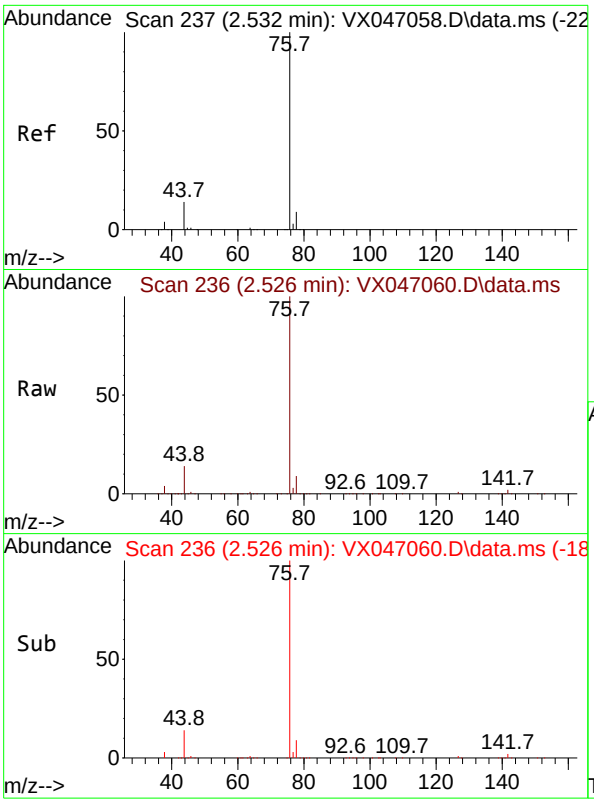


#16
Acetone
Concen: 695.175 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 975640

Ion	Ratio	Lower	Upper
43	100		
58	30.1	24.0	36.0



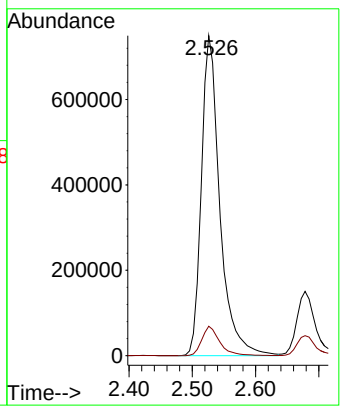


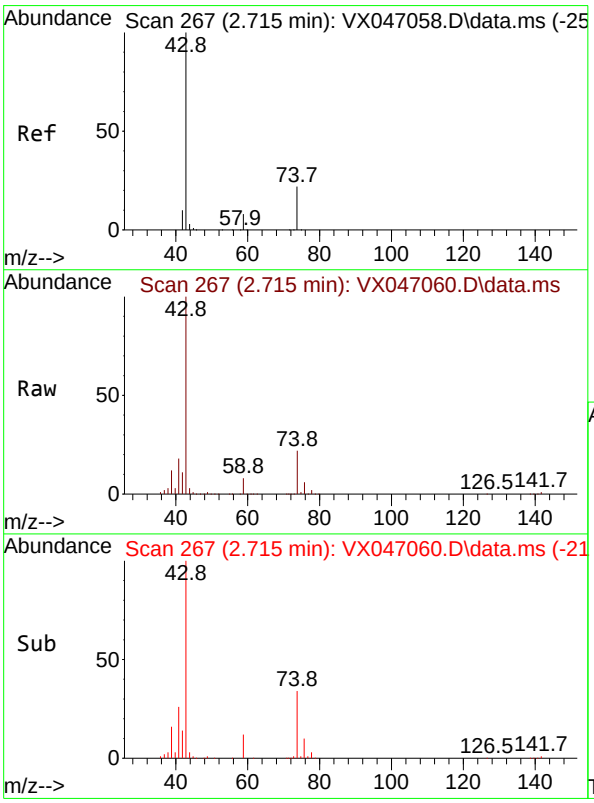
#17
Carbon Disulfide
Concen: 148.974 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 1523226

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

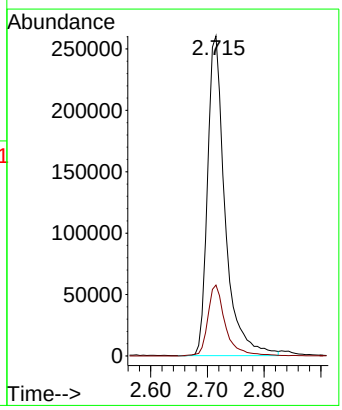


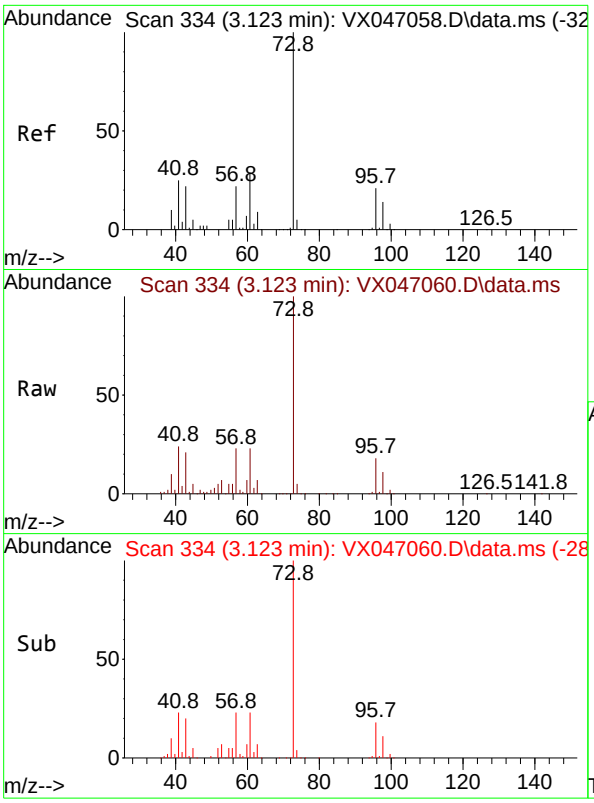


#18
Methyl Acetate
Concen: 149.722 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 558406

Ion	Ratio	Lower	Upper
43	100		
74	22.6	17.7	26.5



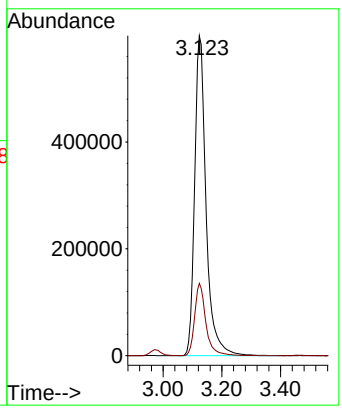


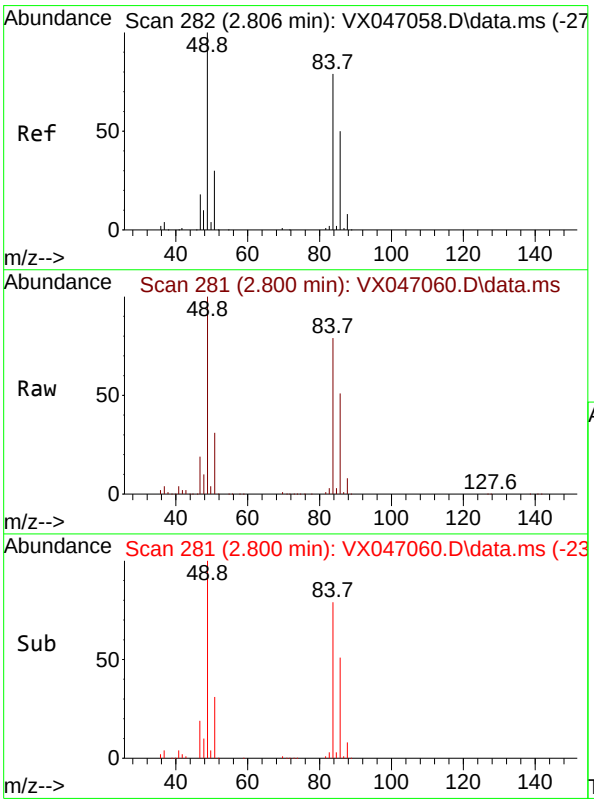
#19
Methyl tert-butyl Ether
Concen: 150.323 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 73 Resp: 1616941

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5

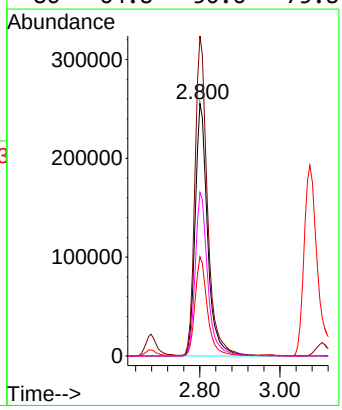


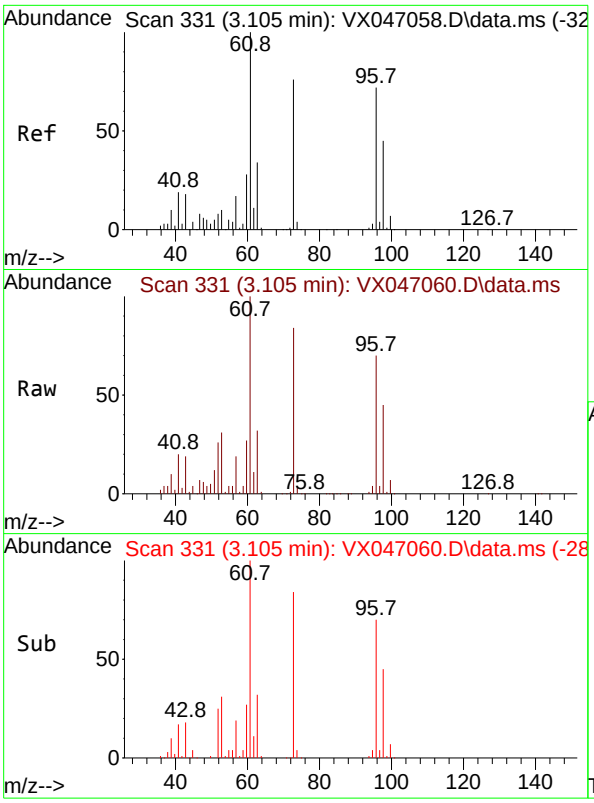


#20
Methylene Chloride
Concen: 142.156 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 84 Resp: 548865

Ion	Ratio	Lower	Upper
84	100		
49	126.6	101.6	152.4
51	39.2	30.3	45.5
86	64.8	50.6	75.8



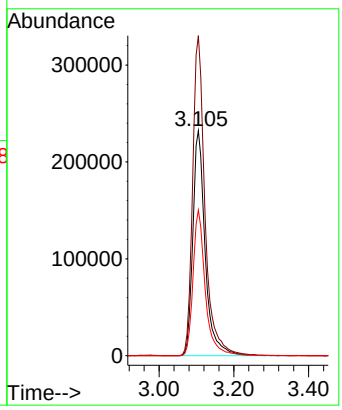


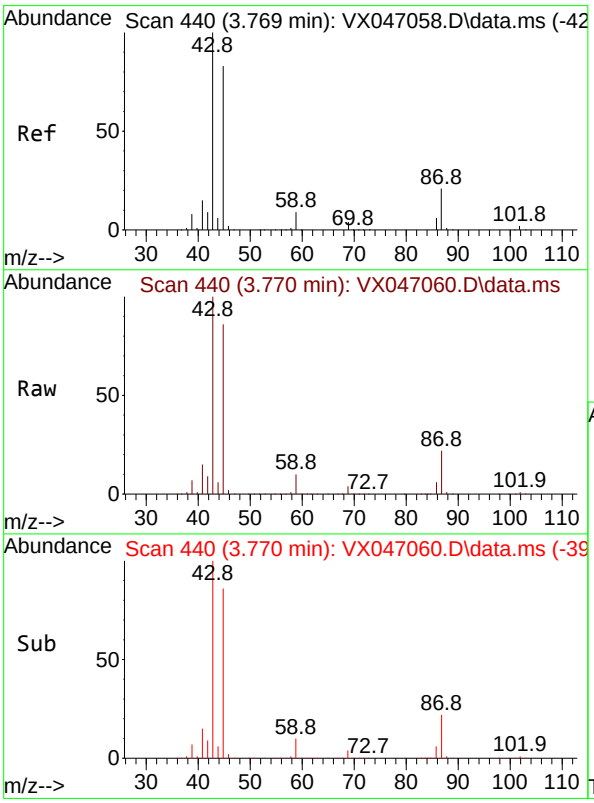
#21
trans-1,2-Dichloroethene
Concen: 147.371 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 533003

Ion	Ratio	Lower	Upper
96	100		
61	142.3	111.1	166.7
98	64.7	49.6	74.4

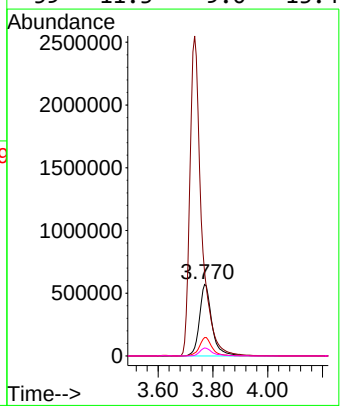


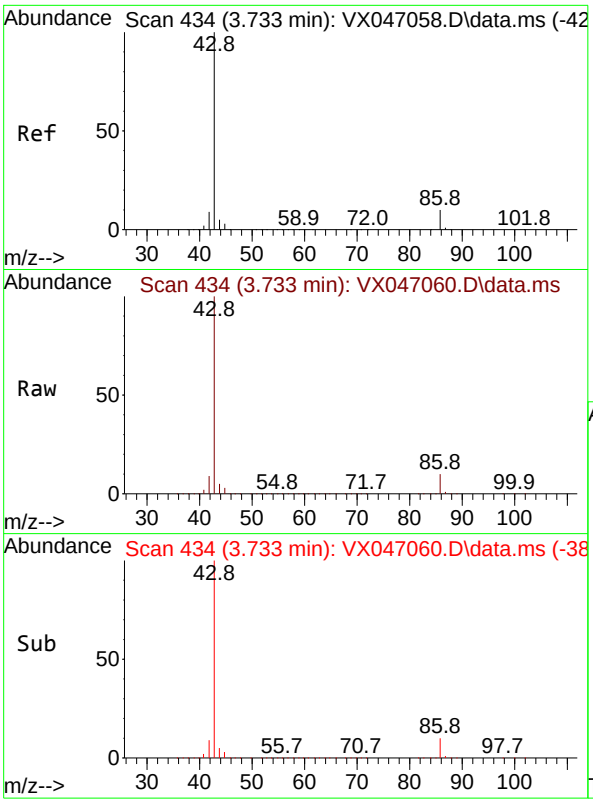


#22
Diisopropyl ether
Concen: 145.892 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 45 Resp: 1792018

Ion	Ratio	Lower	Upper
45	100		
43	116.8	96.8	145.2
87	25.8	20.5	30.7
59	11.3	9.0	13.4



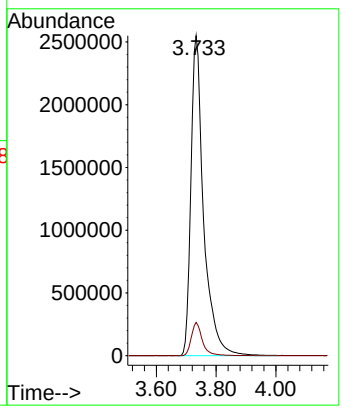


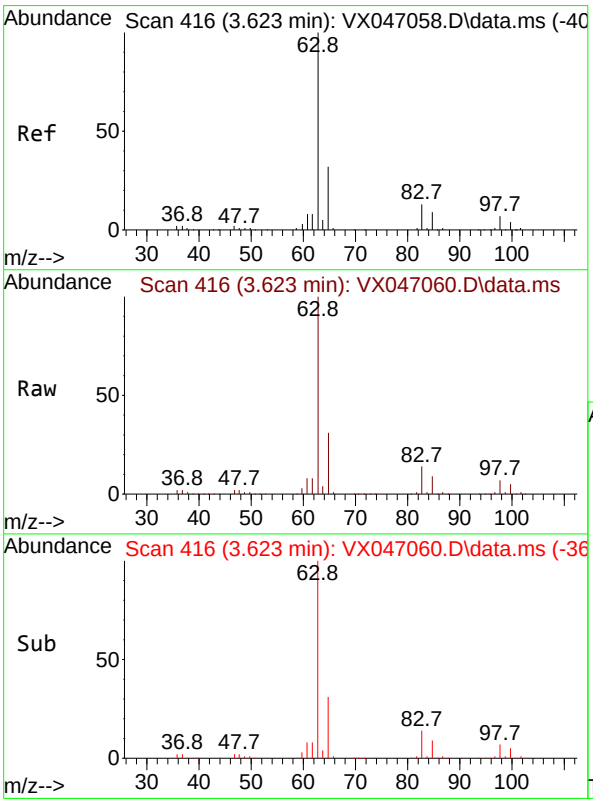
#23
Vinyl Acetate
Concen: 762.847 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 7515505

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.1	12.1

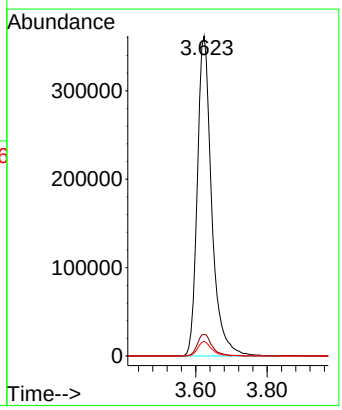


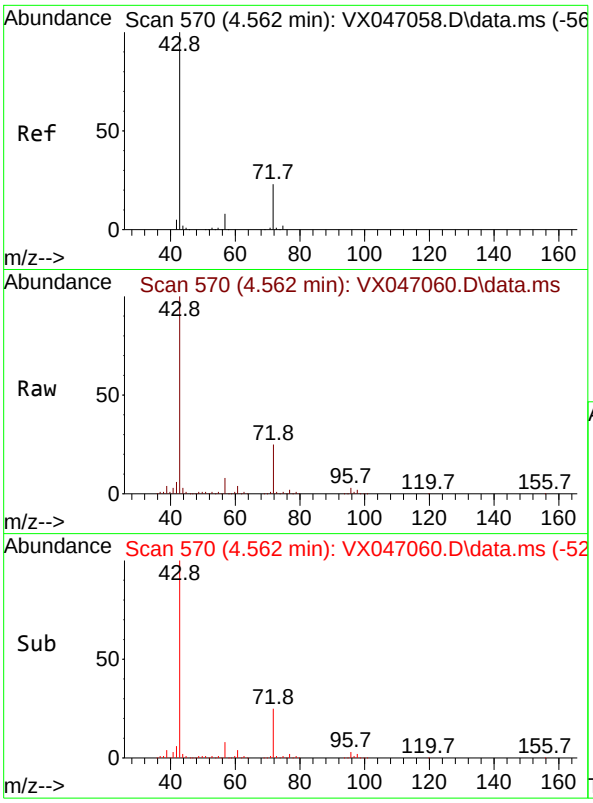


#24
1,1-Dichloroethane
Concen: 147.421 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 63 Resp: 1006940

Ion	Ratio	Lower	Upper
63	100		
98	6.7	3.6	10.8
100	4.6	2.3	6.8



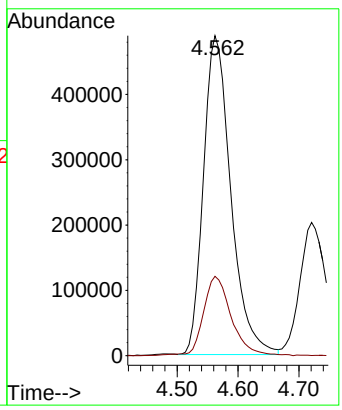


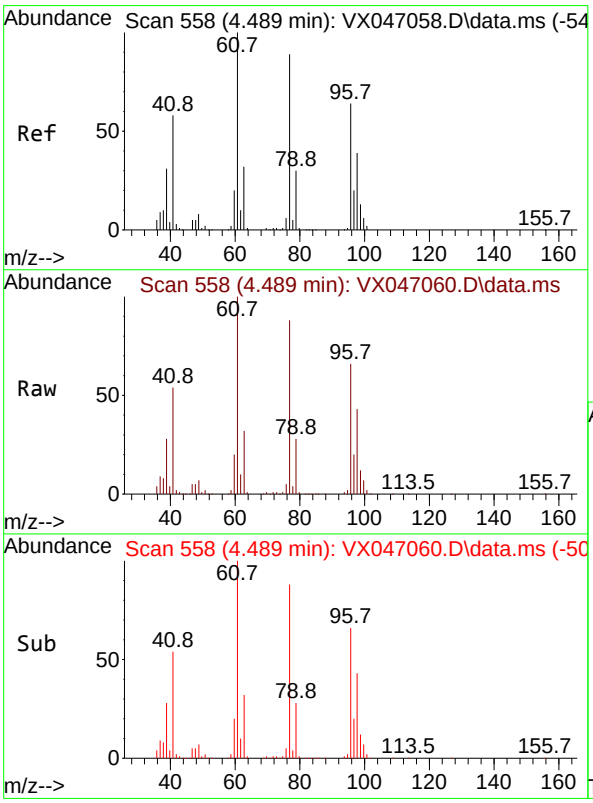
#25
2-Butanone
Concen: 746.280 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1525049

Ion	Ratio	Lower	Upper
43	100		
72	24.5	18.8	28.2

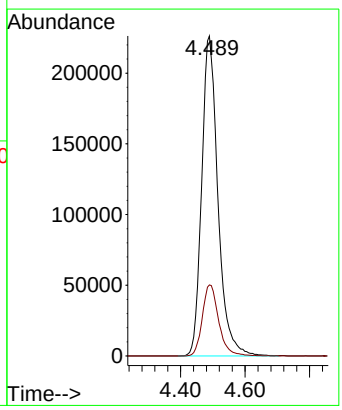


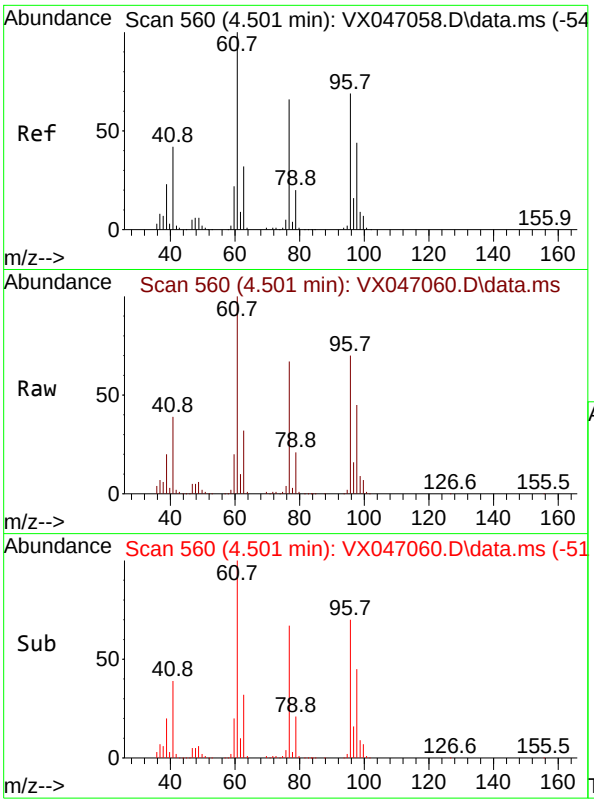


#26
2,2-Dichloropropane
Concen: 149.478 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 77 Resp: 790347

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.1



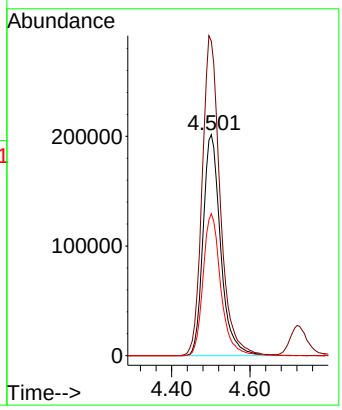


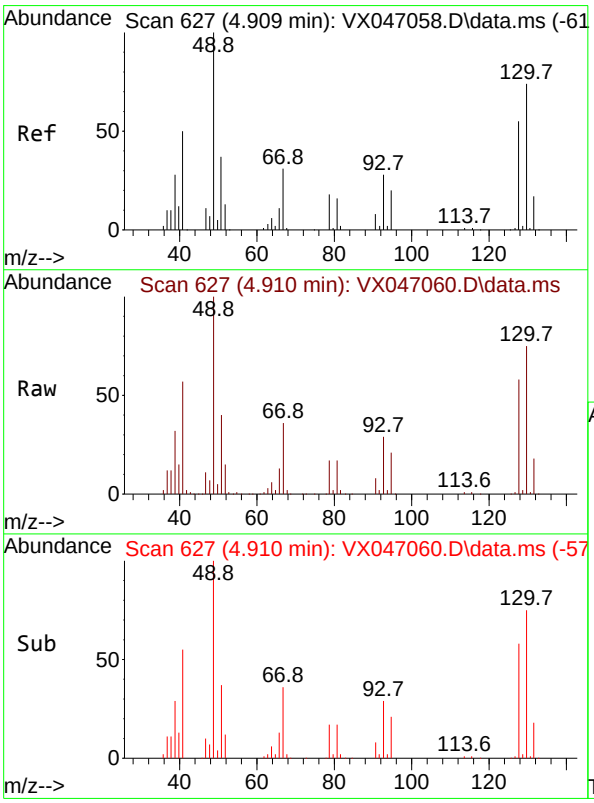
#27
cis-1,2-Dichloroethene
Concen: 146.469 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 96 Resp: 627302

Ion	Ratio	Lower	Upper
96	100		
61	148.2	0.0	298.6
98	64.7	0.0	128.8

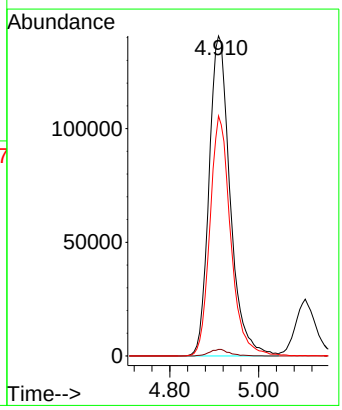


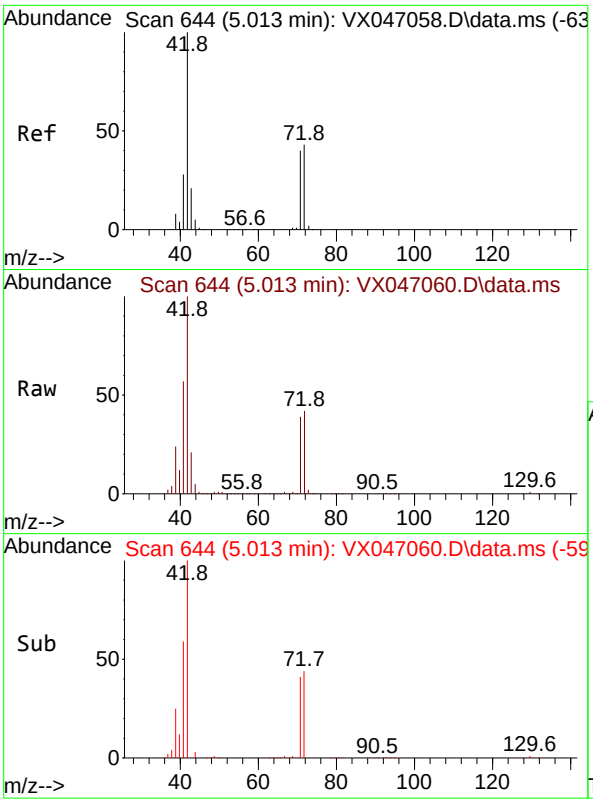


#28
Bromochloromethane
Concen: 147.764 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 49 Resp: 464333

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	73.5	59.0	88.4



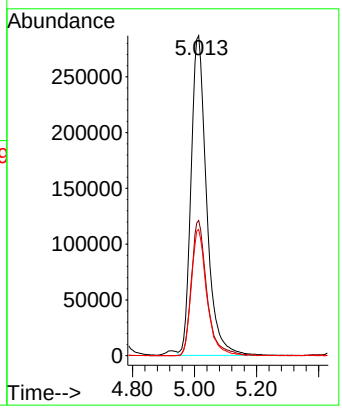


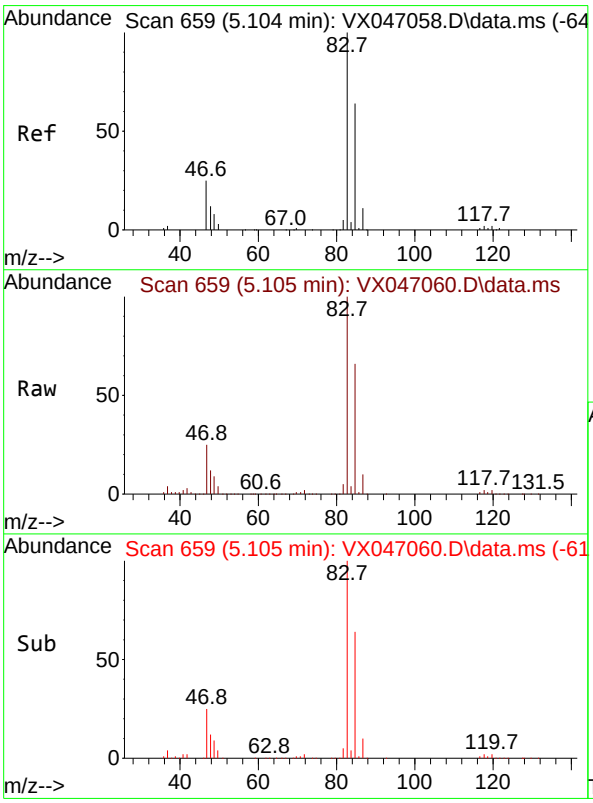
#29
Tetrahydrofuran
Concen: 755.168 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 42 Resp: 995703

Ion	Ratio	Lower	Upper
42	100		
72	42.5	33.7	50.5
71	39.2	31.0	46.4

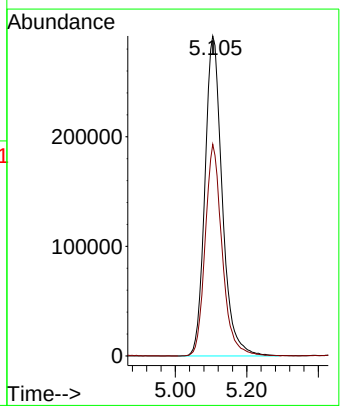


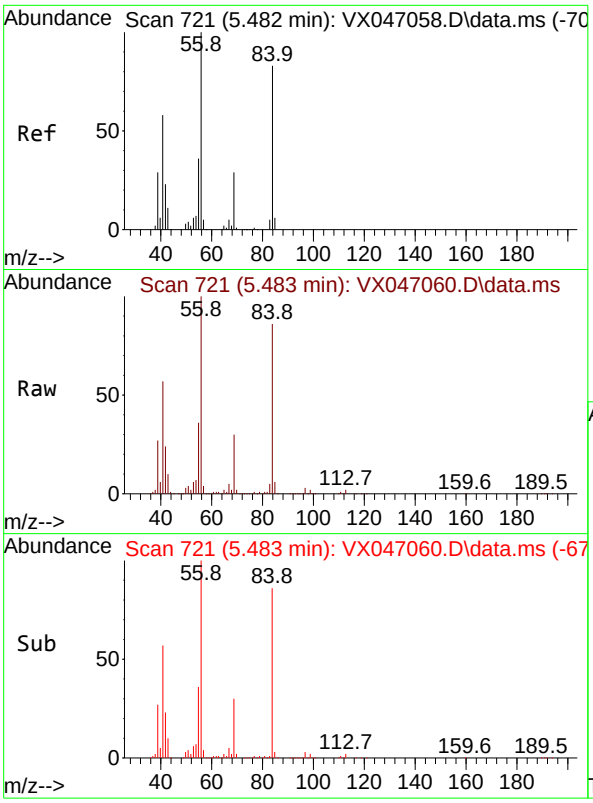


#30
Chloroform
Concen: 141.308 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 83 Resp: 982491

Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.9	76.3



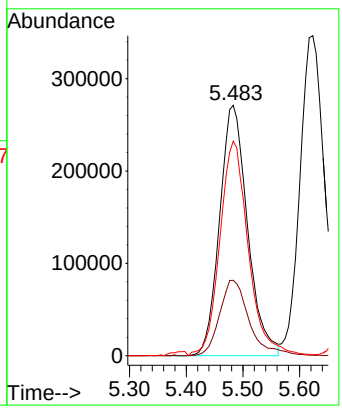


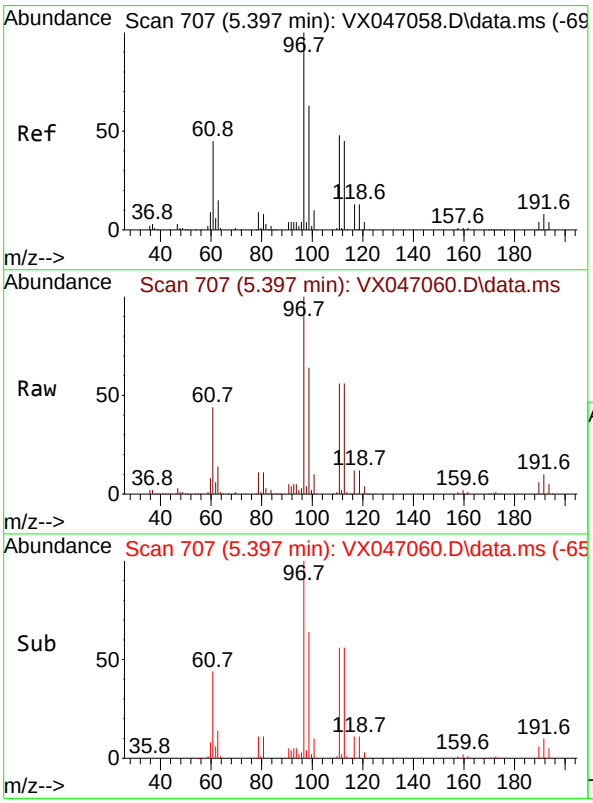
#31
Cyclohexane
Concen: 141.781 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 56 Resp: 928560

Ion	Ratio	Lower	Upper
56	100		
69	29.7	23.3	34.9
84	84.1	66.5	99.7

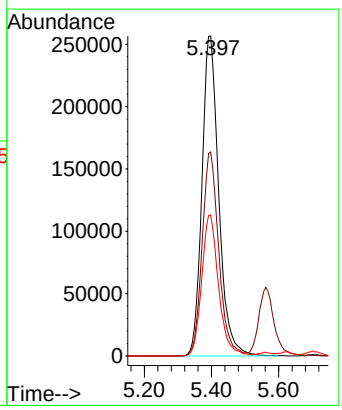


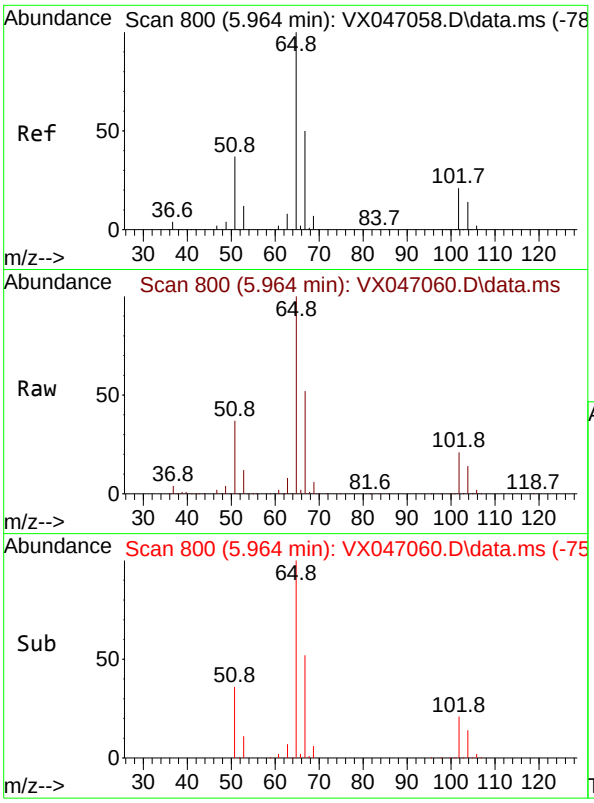


#32
1,1,1-Trichloroethane
Concen: 147.721 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 97 Resp: 892102

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	44.2	37.1	55.7



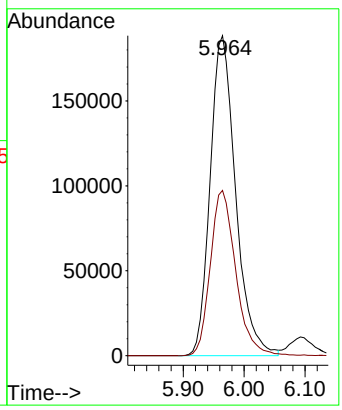


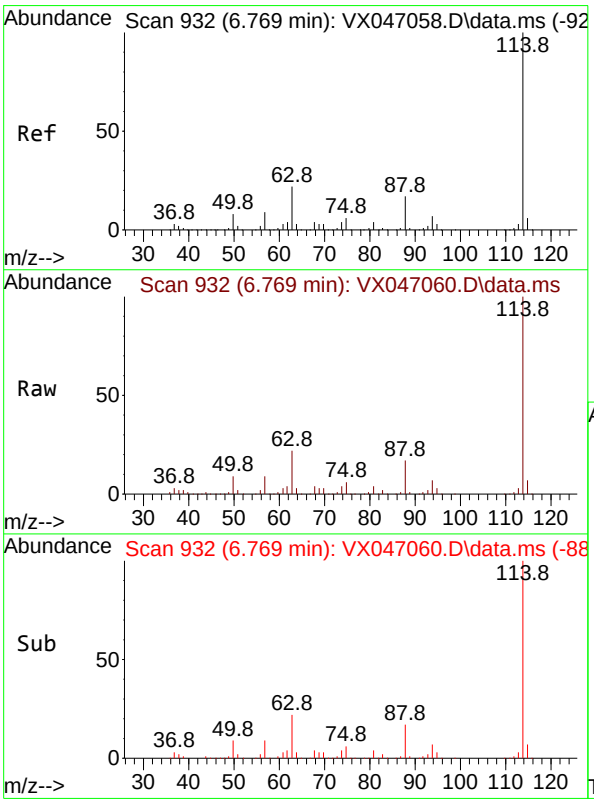
#33
1,2-Dichloroethane-d4
Concen: 156.279 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 65 Resp: 547497

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8

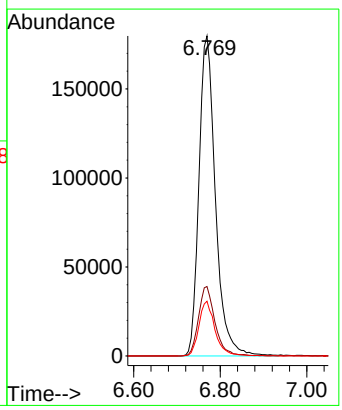


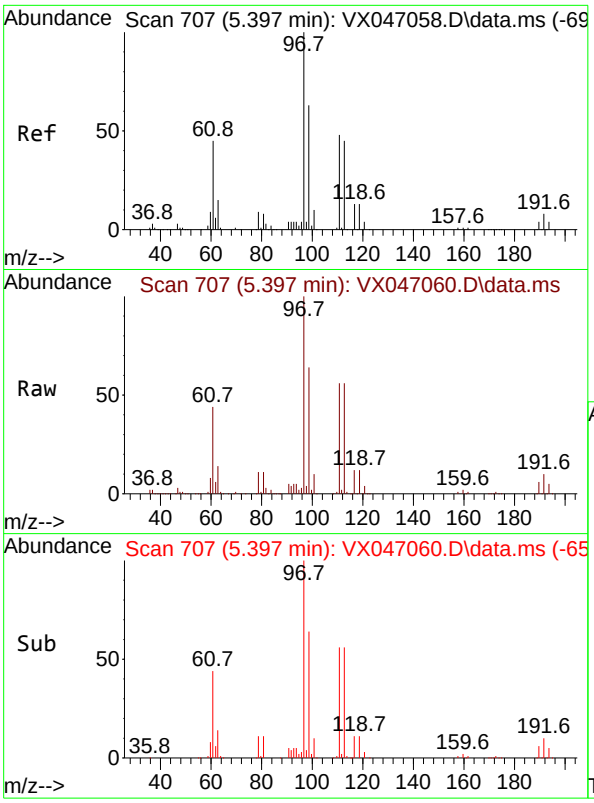


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:114 Resp: 475828

Ion	Ratio	Lower	Upper
114	100		
63	21.7	0.0	43.2
88	17.1	0.0	33.8



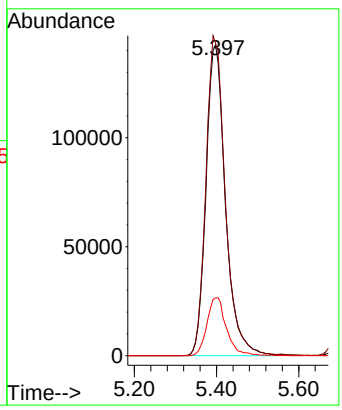


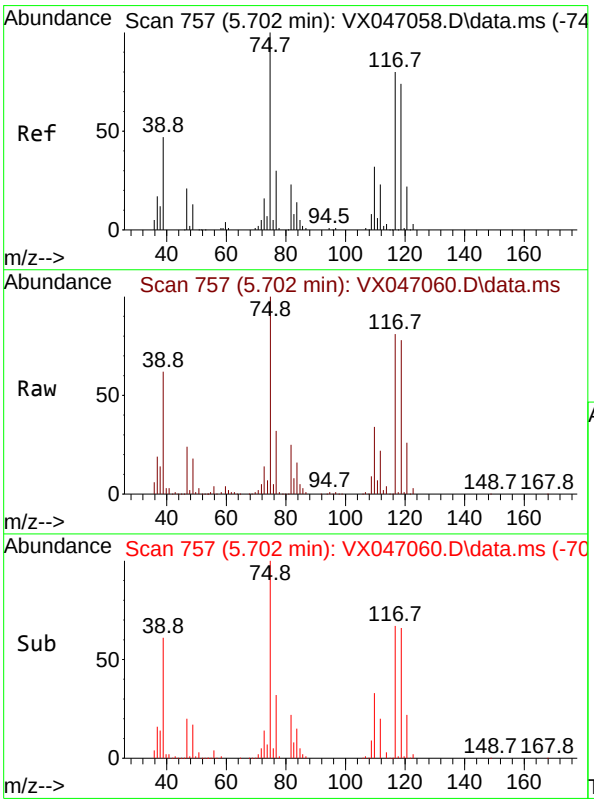
#35
Dibromofluoromethane
Concen: 159.361 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:113 Resp: 468188

Ion	Ratio	Lower	Upper
113	100		
111	102.9	82.6	124.0
192	18.6	14.9	22.3

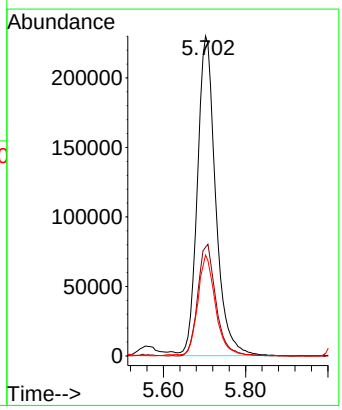


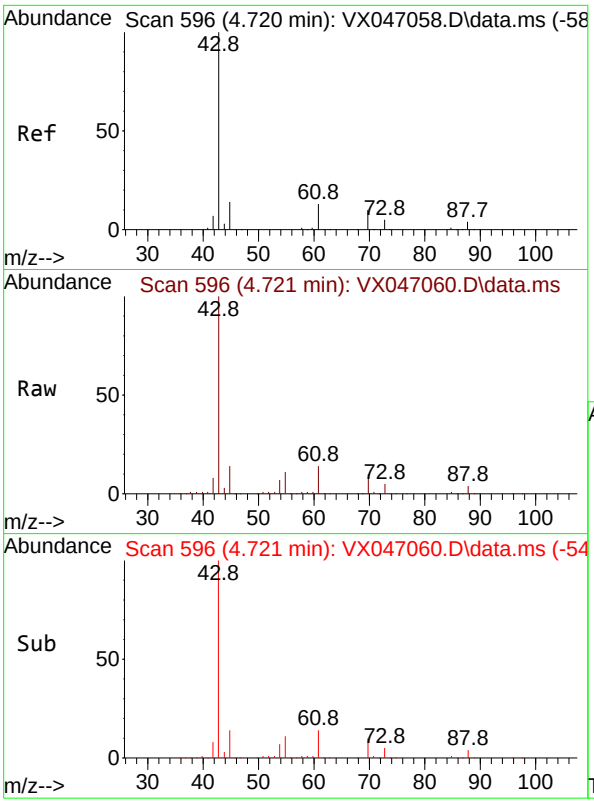


#36
1,1-Dichloropropene
Concen: 141.221 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 75 Resp: 707227

Ion	Ratio	Lower	Upper
75	100		
110	35.0	17.2	51.5
77	30.7	25.1	37.7



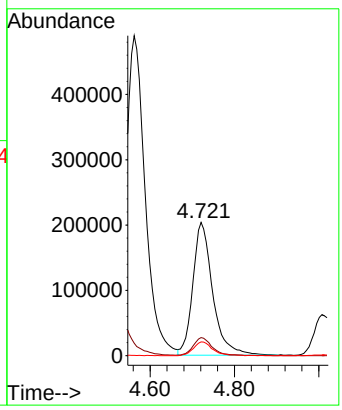


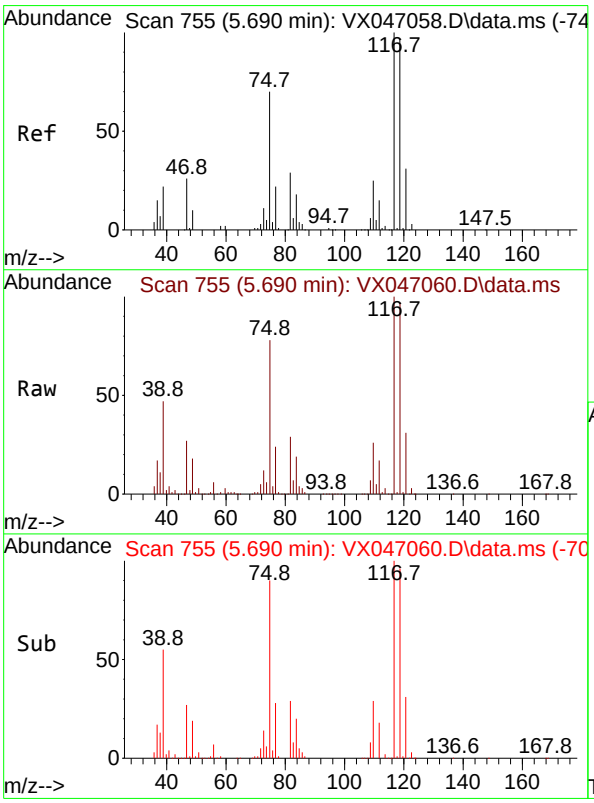
#37
Ethyl Acetate
Concen: 150.587 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 664604

Ion	Ratio	Lower	Upper
43	100		
61	13.2	10.2	15.2
70	10.1	8.1	12.1

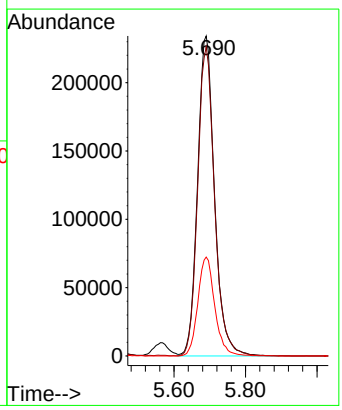


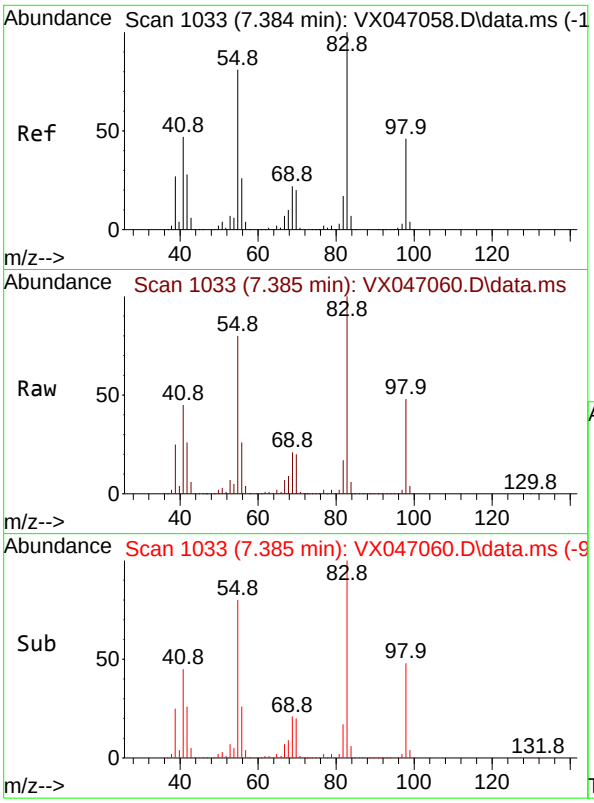


#38
Carbon Tetrachloride
Concen: 144.260 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:117 Resp: 771081

Ion	Ratio	Lower	Upper
117	100		
119	96.6	76.6	115.0
121	30.9	24.4	36.6



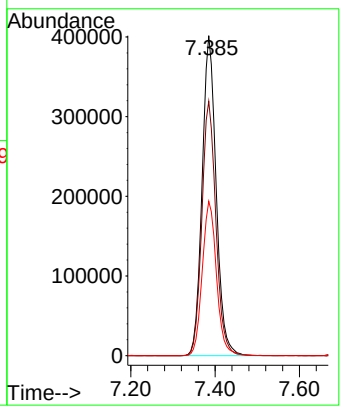


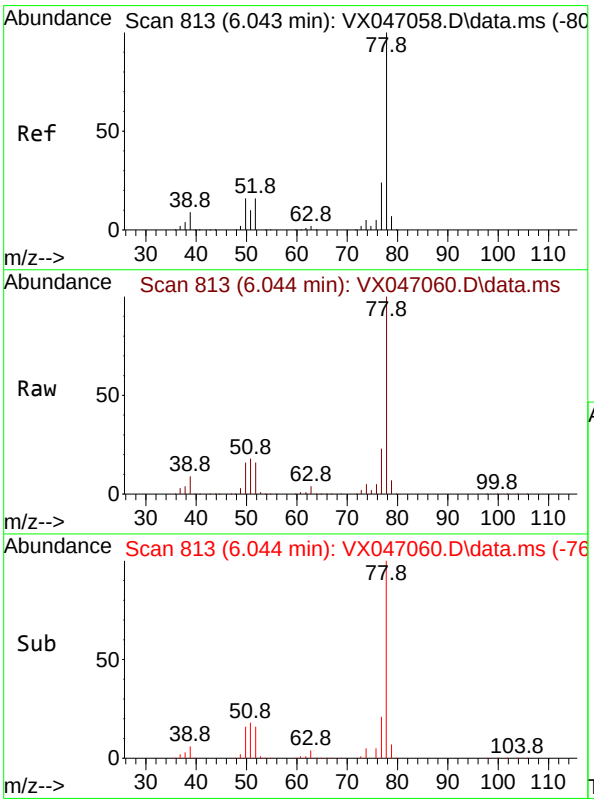
#39
Methylcyclohexane
Concen: 149.137 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 932504

Ion	Ratio	Lower	Upper
83	100		
55	79.5	64.5	96.7
98	48.2	36.9	55.3

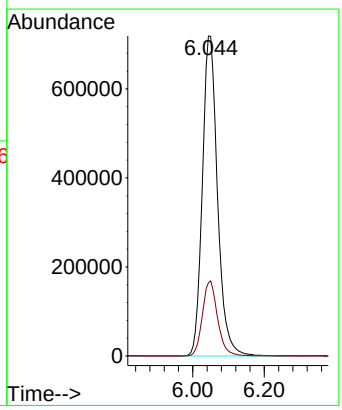


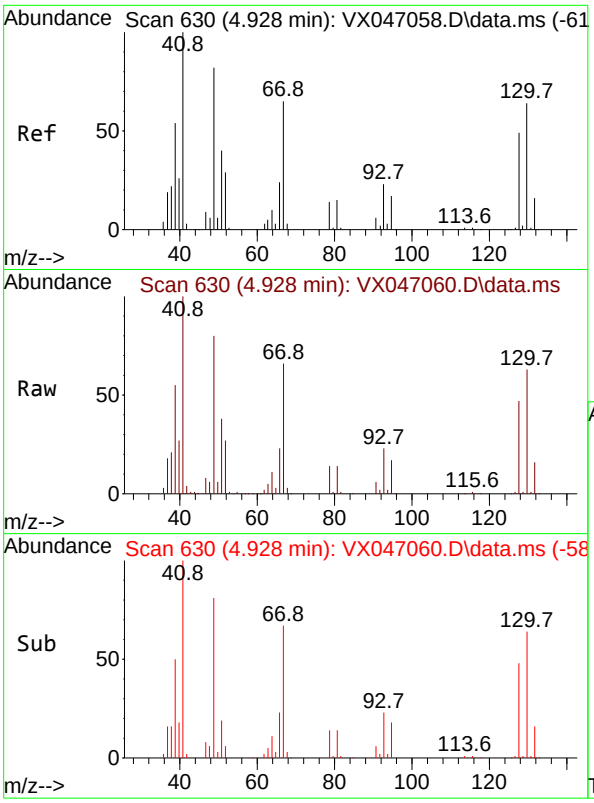


#40
Benzene
Concen: 145.777 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 78 Resp: 2112753

Ion	Ratio	Lower	Upper
78	100		
77	22.9	19.0	28.4



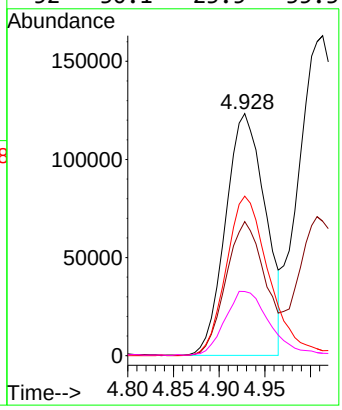


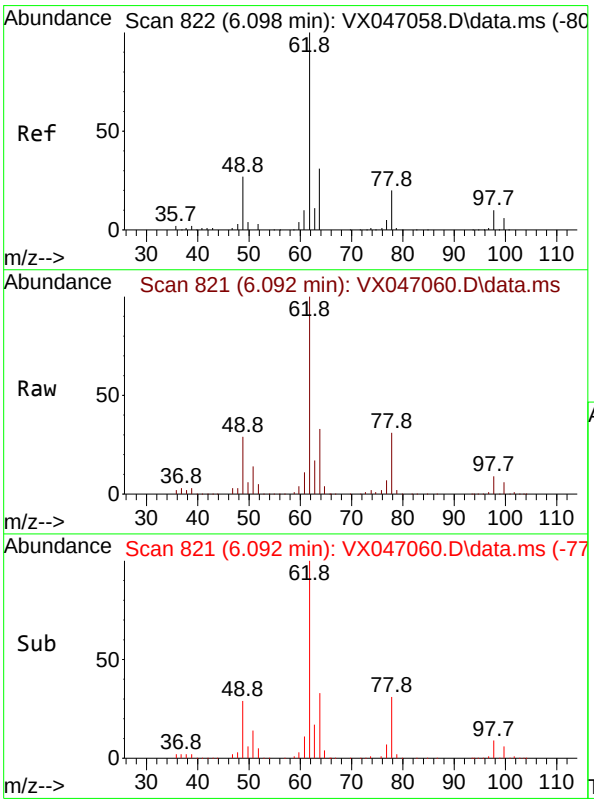
#41
Methacrylonitrile
Concen: 154.886 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 41 Resp: 373711

Ion	Ratio	Lower	Upper
41	100		
39	54.1	44.2	66.2
67	72.4	56.4	84.6
52	30.1	23.5	35.3

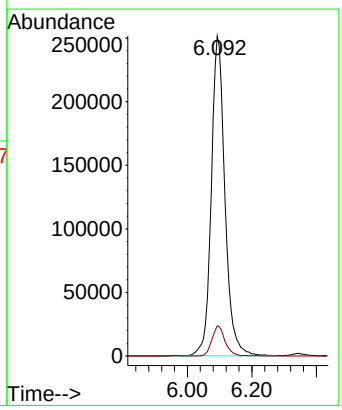


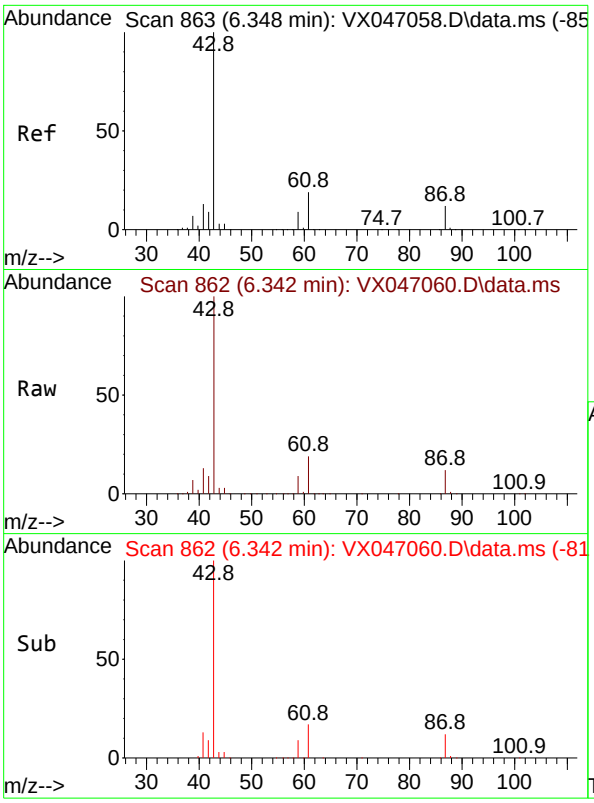


#42
1,2-Dichloroethane
Concen: 144.555 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 62 Resp: 737991

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.8



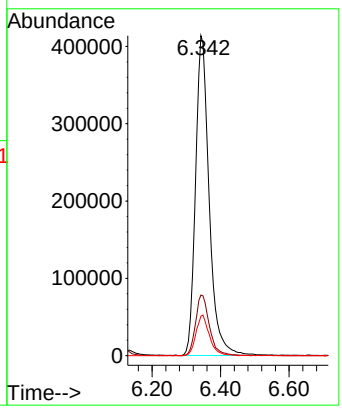


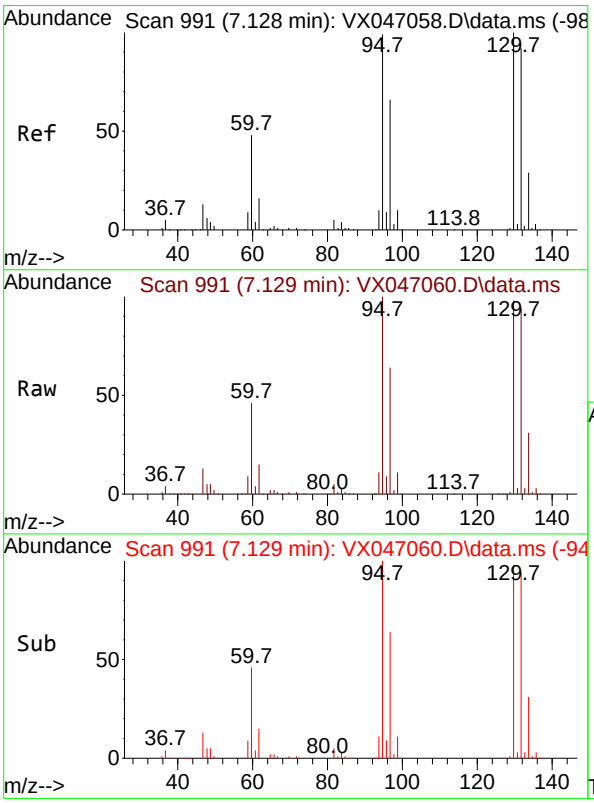
#43
Isopropyl Acetate
Concen: 159.182 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 1145157

Ion	Ratio	Lower	Upper
43	100		
61	19.4	15.1	22.7
87	12.5	9.7	14.5

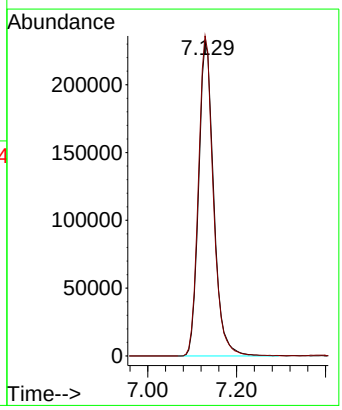


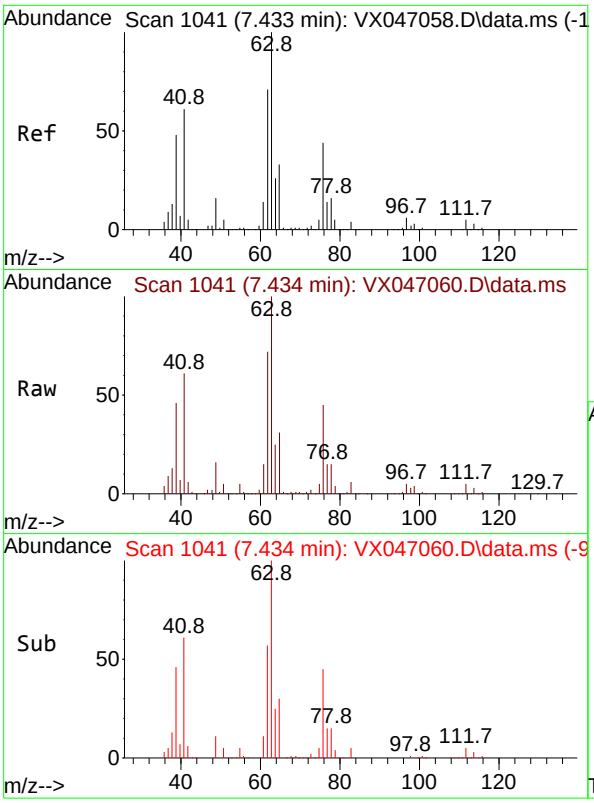


#44
Trichloroethene
Concen: 147.215 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:130 Resp: 547123

Ion	Ratio	Lower	Upper
130	100		
95	101.8	0.0	198.6



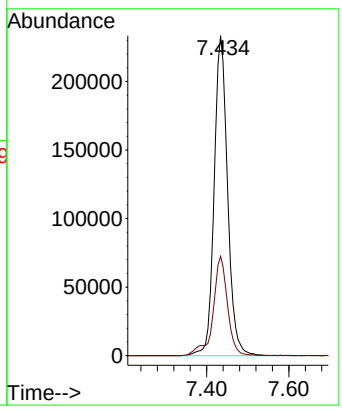


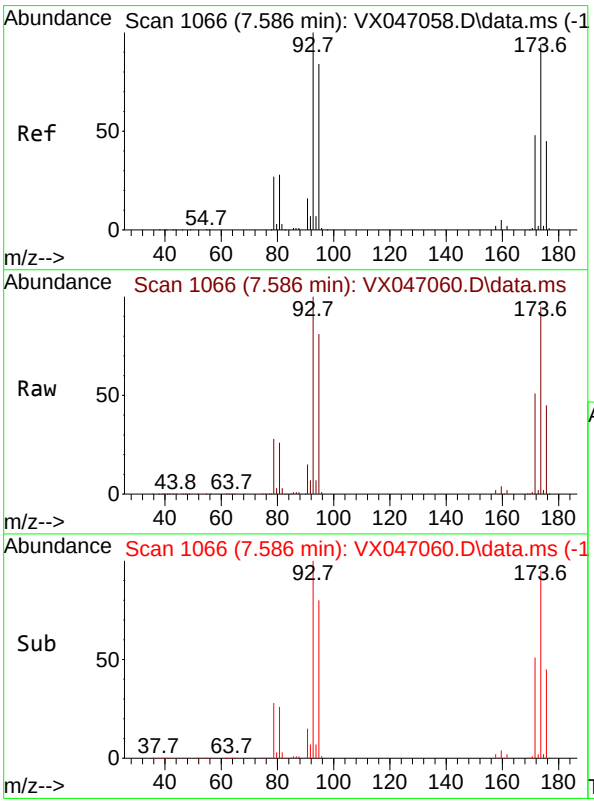
#45
1,2-Dichloropropane
Concen: 145.791 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 63 Resp: 529204

Ion	Ratio	Lower	Upper
63	100		
65	31.1	26.3	39.5

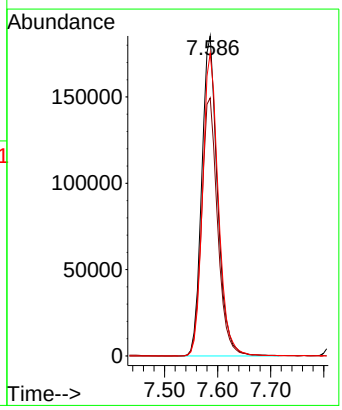


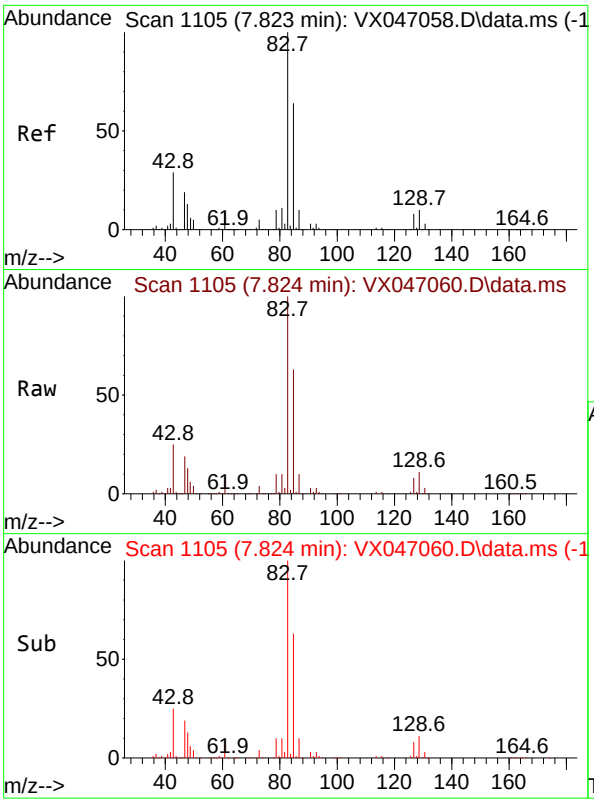


#46
Dibromomethane
Concen: 149.938 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 93 Resp: 381666

Ion	Ratio	Lower	Upper
93	100		
95	81.9	65.9	98.9
174	94.8	74.6	112.0



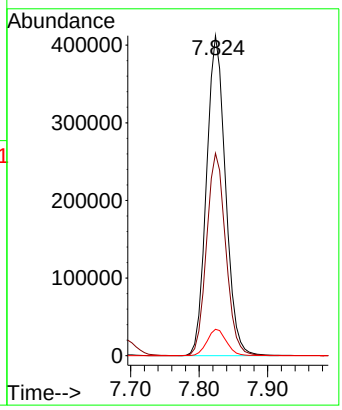


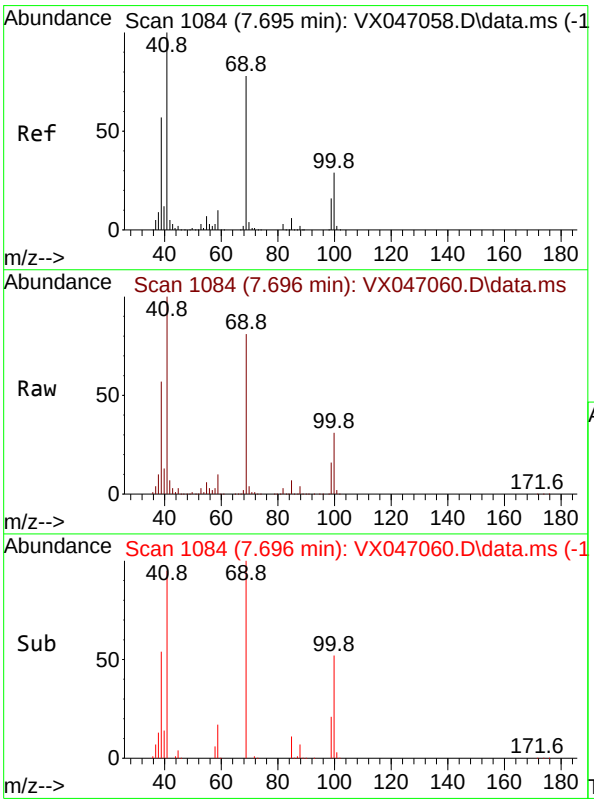
#47
Bromodichloromethane
Concen: 146.693 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 794793

Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.9	74.9
127	8.2	6.6	10.0

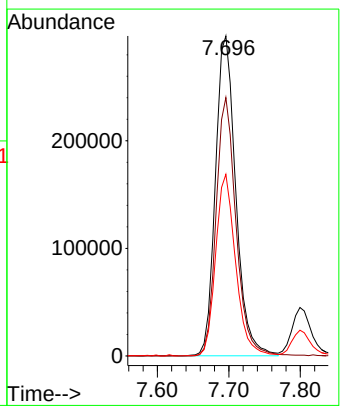


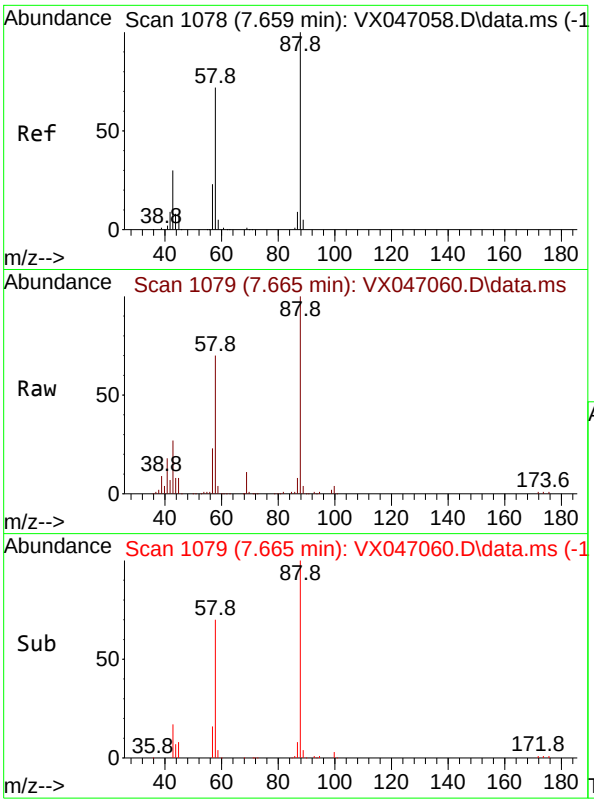


#48
Methyl methacrylate
Concen: 150.339 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 41 Resp: 589190

Ion	Ratio	Lower	Upper
41	100		
69	79.1	62.3	93.5
39	55.7	44.8	67.2



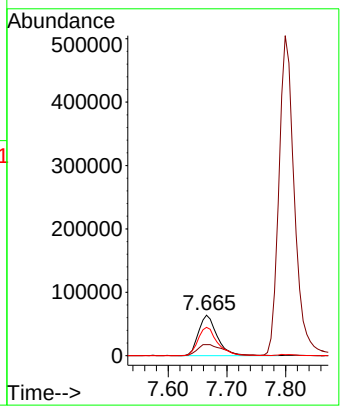


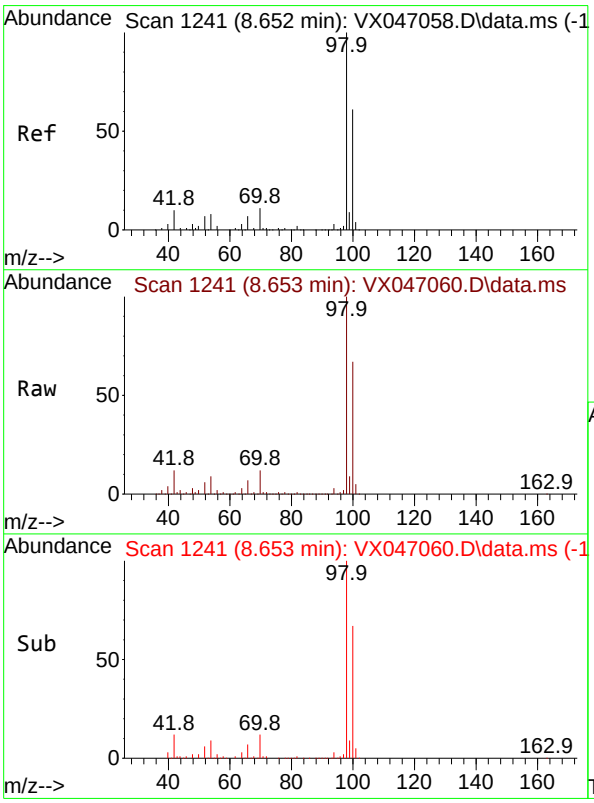
#49
1,4-Dioxane
Concen: 3173.881 ug/l
RT: 7.665 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 88 Resp: 141473

Ion	Ratio	Lower	Upper
88	100		
43	37.9	33.6	50.4
58	72.9	58.8	88.2

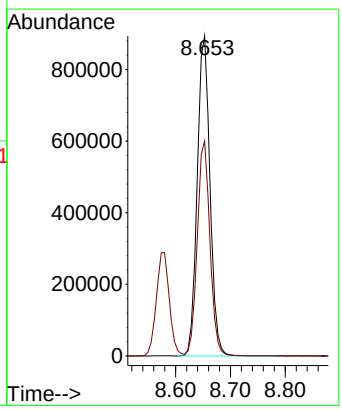


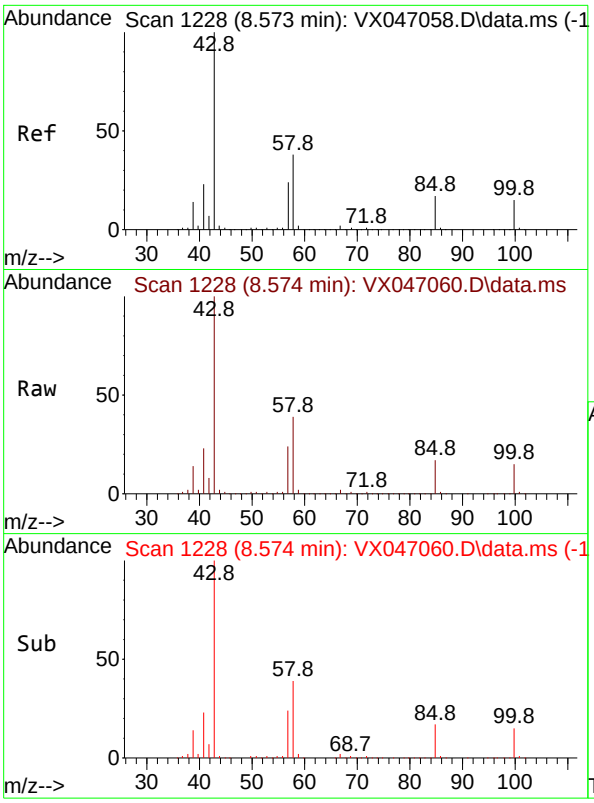


#50
Toluene-d8
Concen: 152.197 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 98 Resp: 1448057

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9



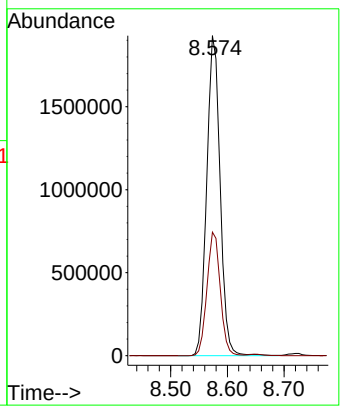


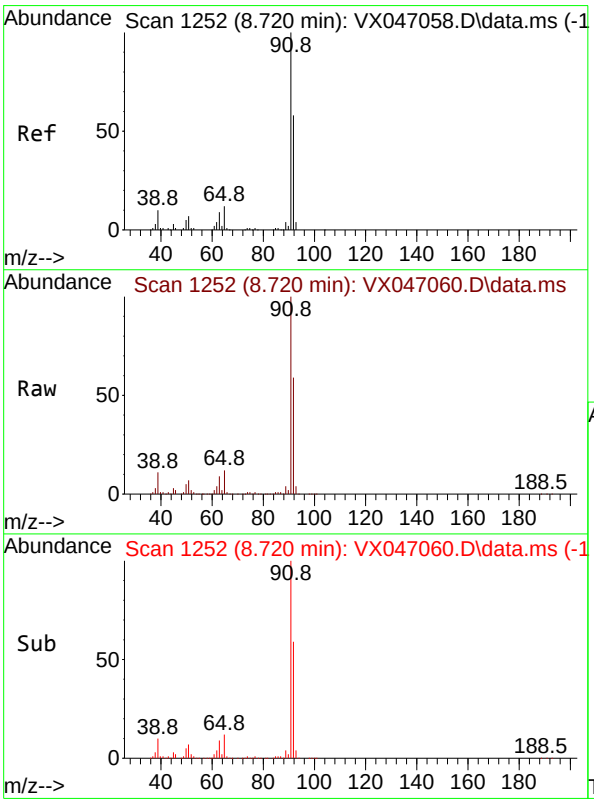
#51
4-Methyl-2-Pentanone
Concen: 735.203 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 3143746

Ion	Ratio	Lower	Upper
43	100		
58	38.5	30.6	45.8

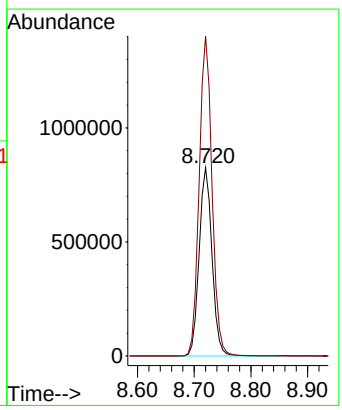


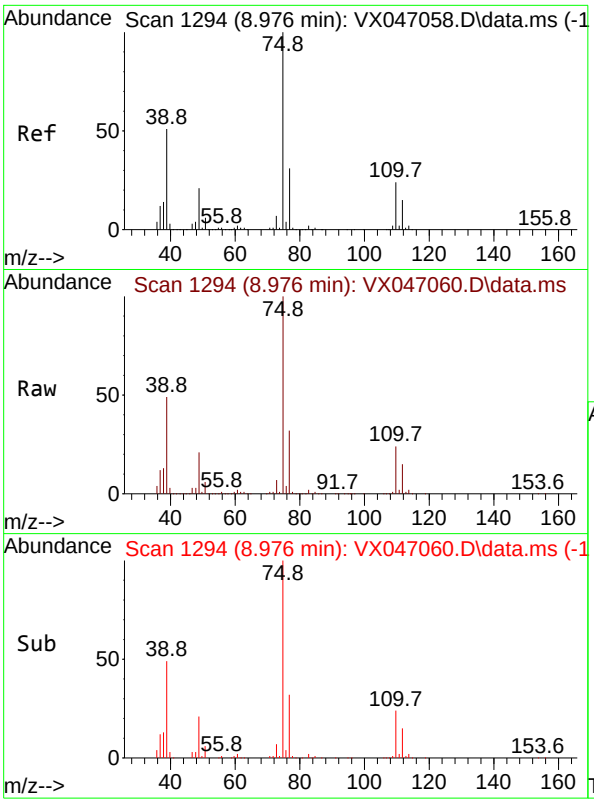


#52
Toluene
Concen: 145.703 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 92 Resp: 1298426

Ion	Ratio	Lower	Upper
92	100		
91	169.8	137.9	206.9



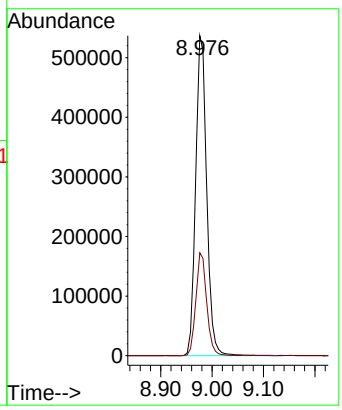


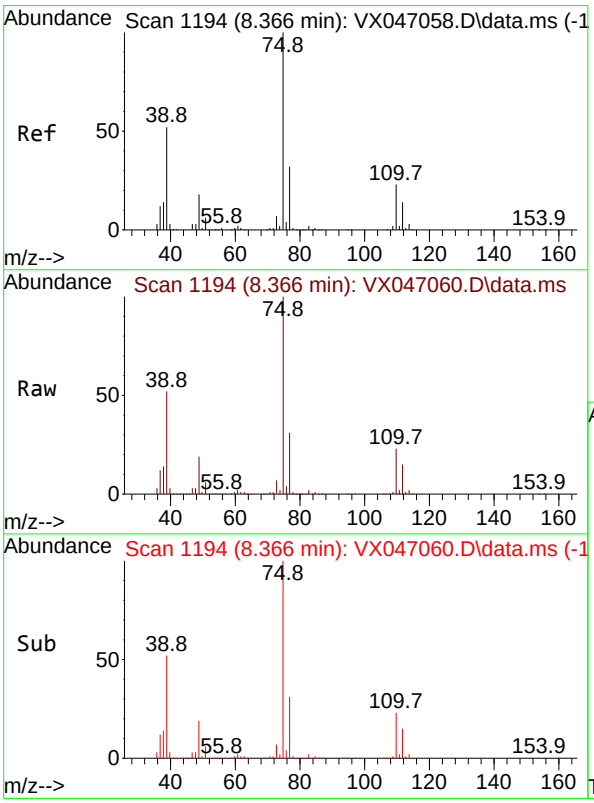
#53
t-1,3-Dichloropropene
Concen: 156.884 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 802670

Ion	Ratio	Lower	Upper
75	100		
77	32.1	24.5	36.7

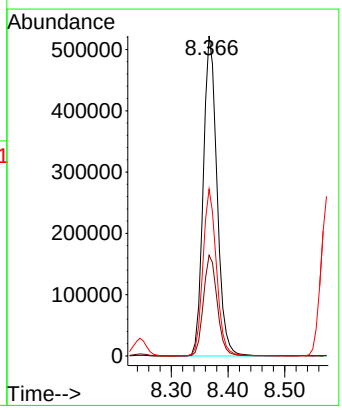


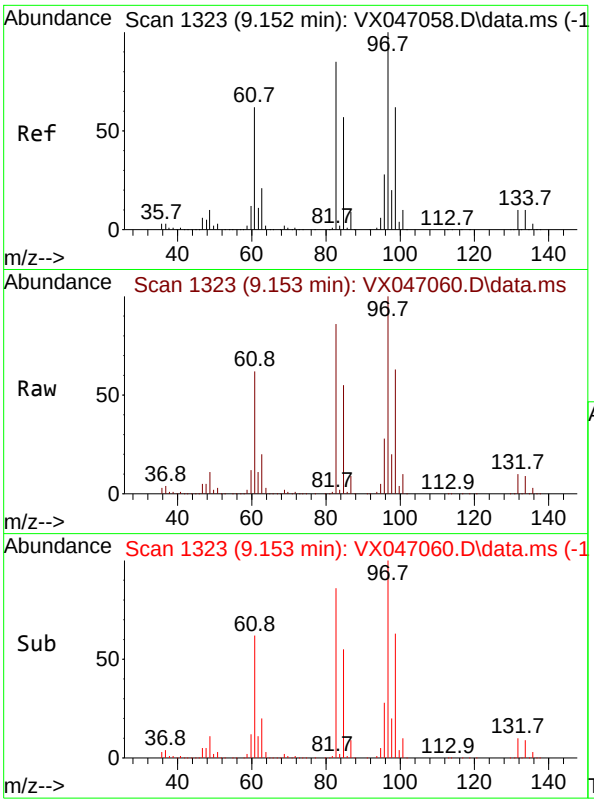


#54
cis-1,3-Dichloropropene
Concen: 156.442 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 75 Resp: 876033

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	52.1	41.8	62.6



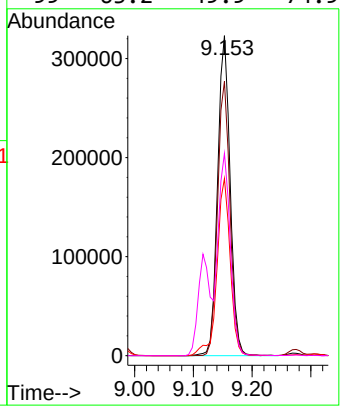


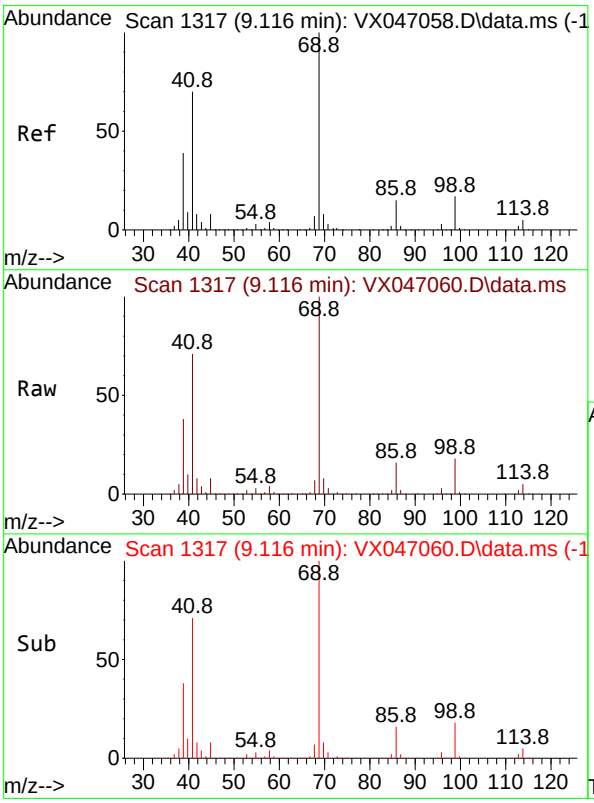
#55
1,1,2-Trichloroethane
Concen: 143.101 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 97 Resp: 478247

Ion	Ratio	Lower	Upper
97	100		
83	85.7	68.0	102.0
85	55.4	45.2	67.8
99	63.2	49.9	74.9

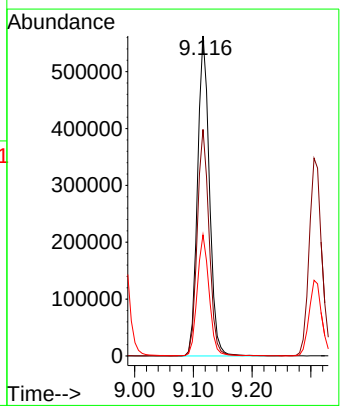


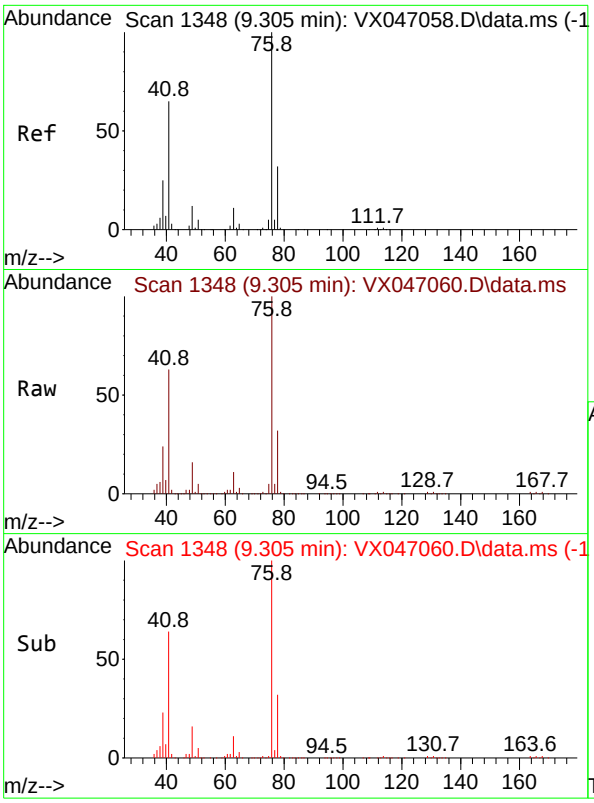


#56
Ethyl methacrylate
Concen: 160.053 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 69 Resp: 791875

Ion	Ratio	Lower	Upper
69	100		
41	70.6	56.1	84.1
39	37.6	31.1	46.7



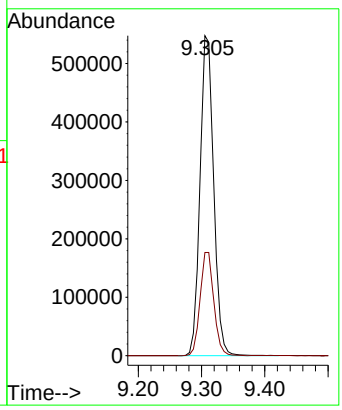


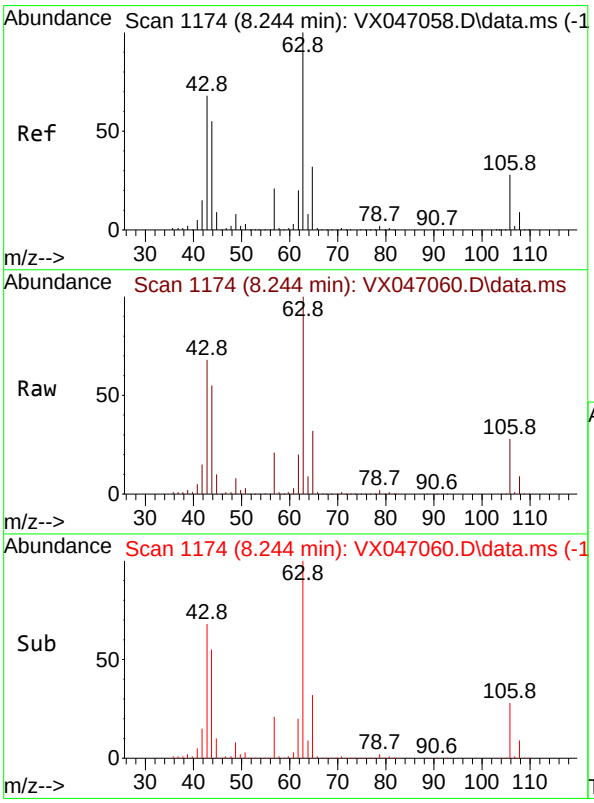
#57
1,3-Dichloropropane
Concen: 141.802 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 76 Resp: 823631

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

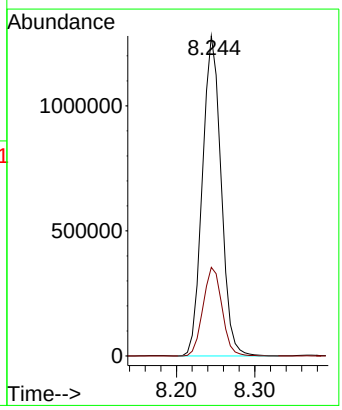


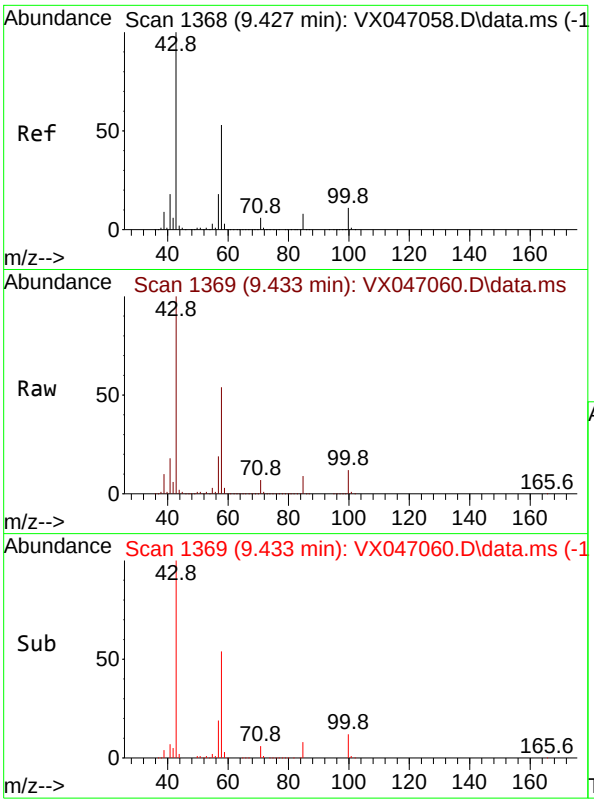


#58
2-Chloroethyl Vinyl ether
Concen: 770.350 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 63 Resp: 2120903

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.2	33.4



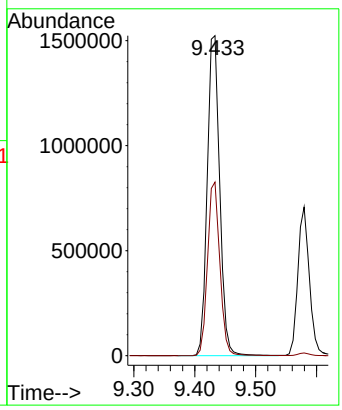


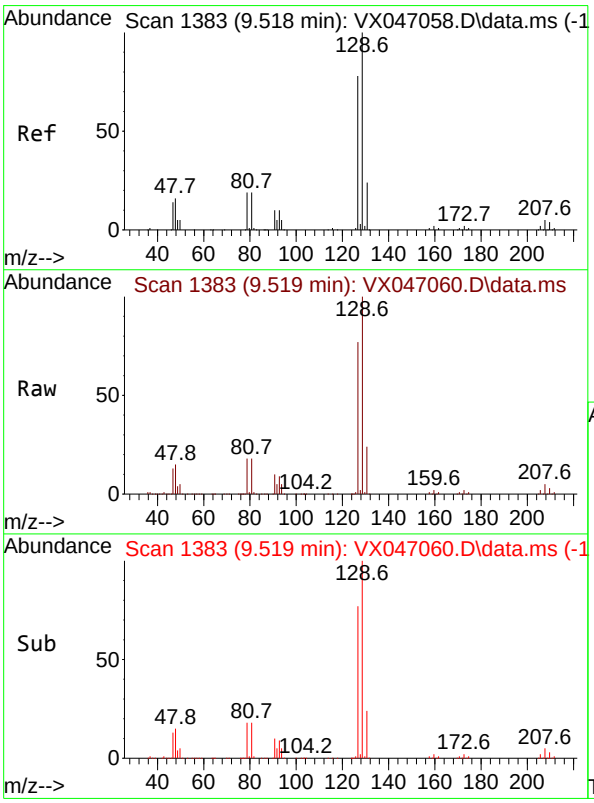
#59
2-Hexanone
Concen: 769.096 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 43 Resp: 2172764

Ion	Ratio	Lower	Upper
43	100		
58	53.5	26.5	79.5

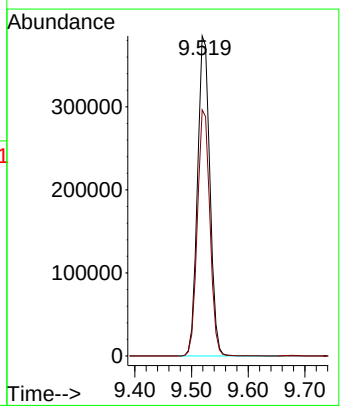


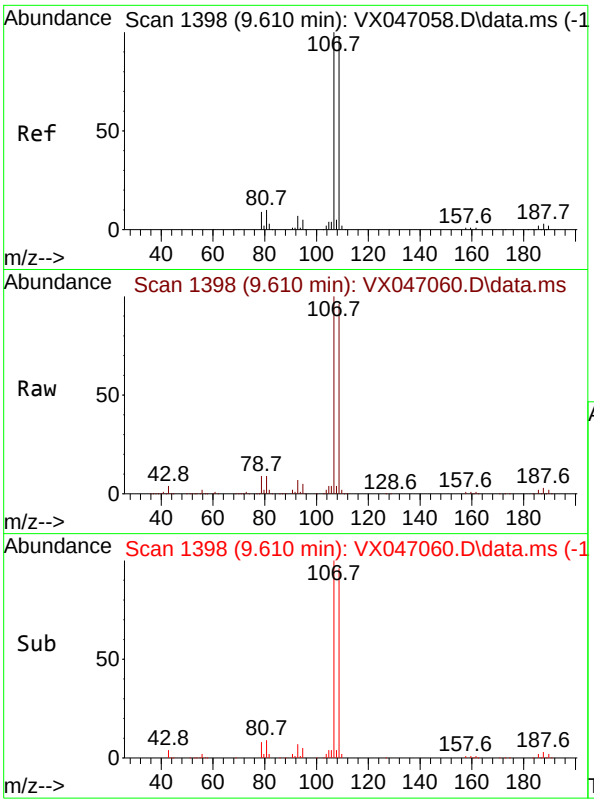


#60
Dibromochloromethane
Concen: 148.786 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:129 Resp: 583183

Ion	Ratio	Lower	Upper
129	100		
127	77.7	38.6	115.8



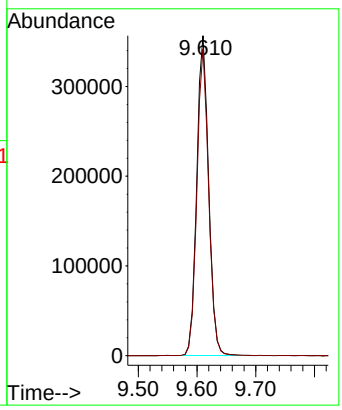


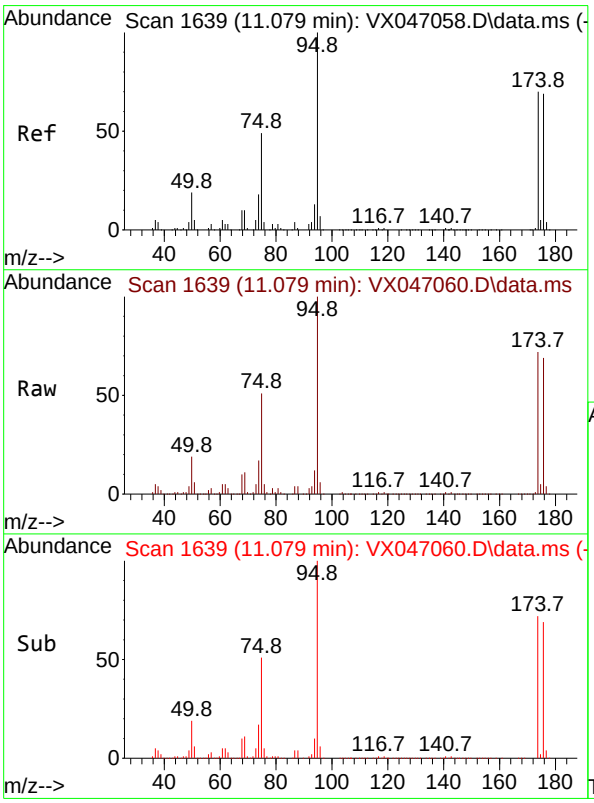
#61
1,2-Dibromoethane
Concen: 143.366 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:107 Resp: 500995

Ion	Ratio	Lower	Upper
107	100		
109	94.7	74.6	112.0

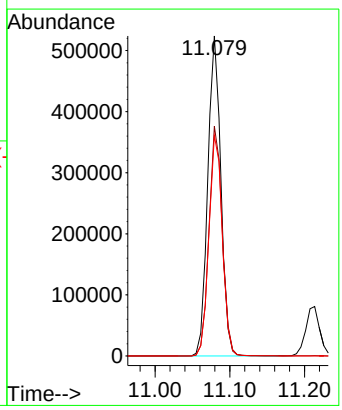


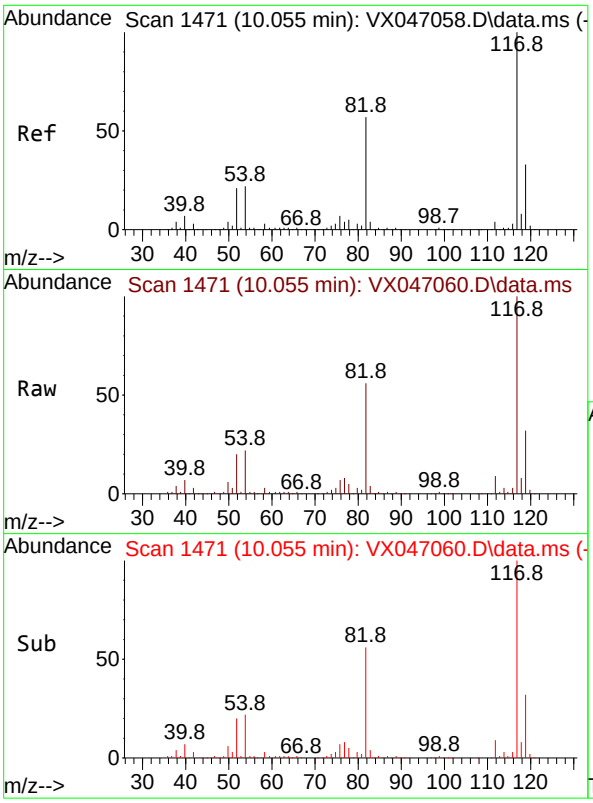


#62
4-Bromofluorobenzene
Concen: 154.987 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 95 Resp: 635473

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	144.6
176	70.6	0.0	139.6



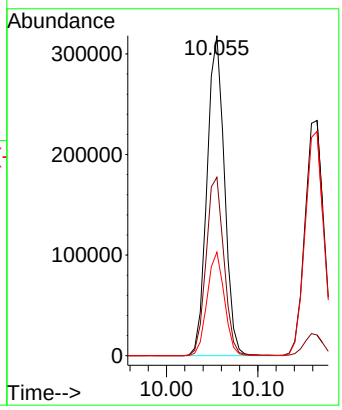


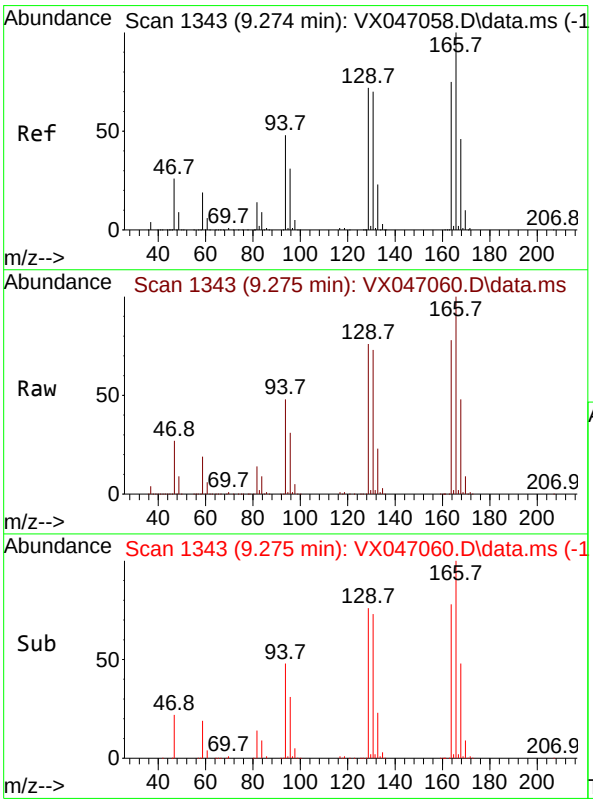
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:117 Resp: 420817

Ion	Ratio	Lower	Upper
117	100		
82	55.7	45.4	68.2
119	32.3	26.1	39.1

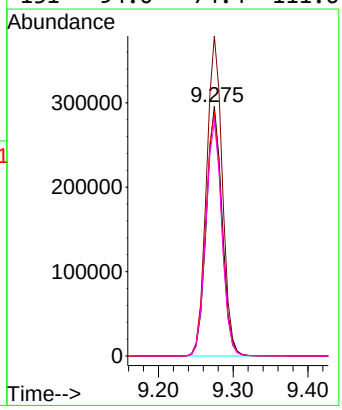


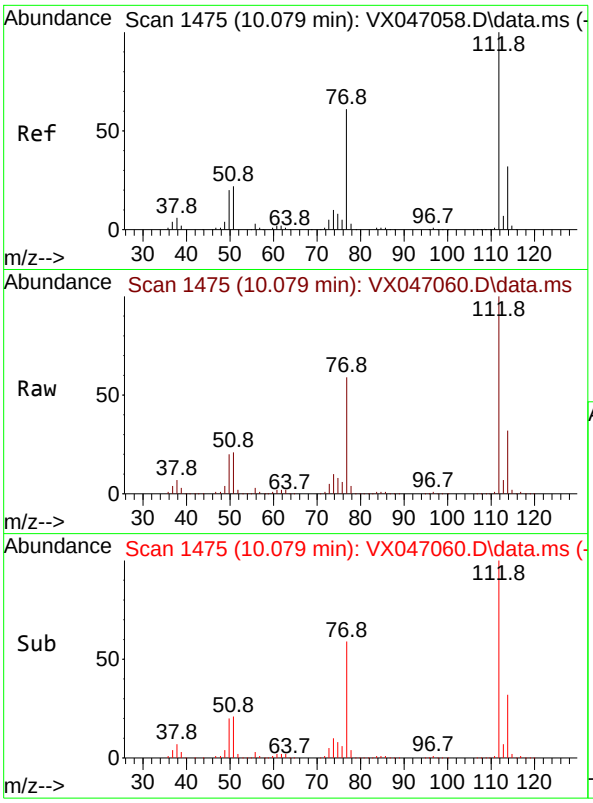


#64
Tetrachloroethene
Concen: 142.999 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:164 Resp: 433805

Ion	Ratio	Lower	Upper
164	100		
166	128.3	106.2	159.4
129	97.6	76.6	114.8
131	94.0	74.4	111.6



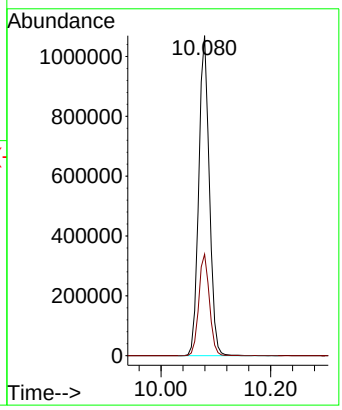


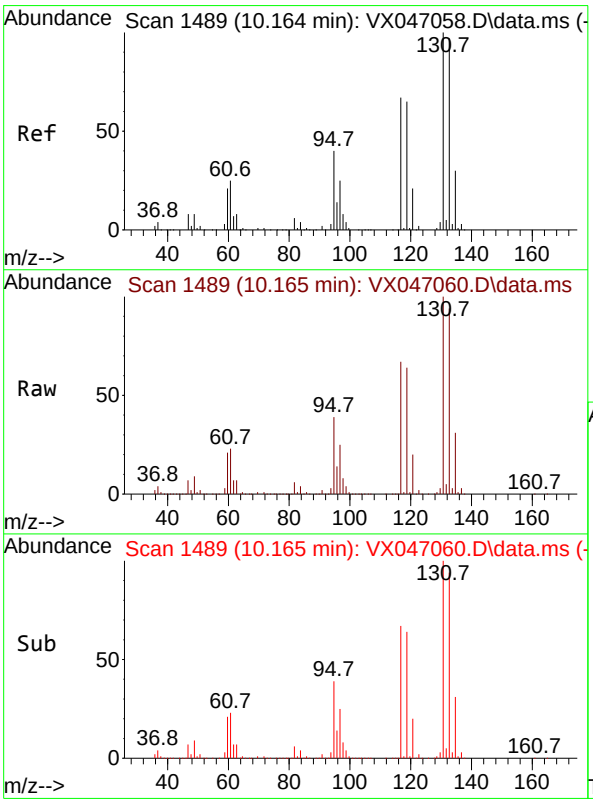
#65
Chlorobenzene
Concen: 145.306 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:112 Resp: 1432482

Ion	Ratio	Lower	Upper
112	100		
114	31.7	25.8	38.6

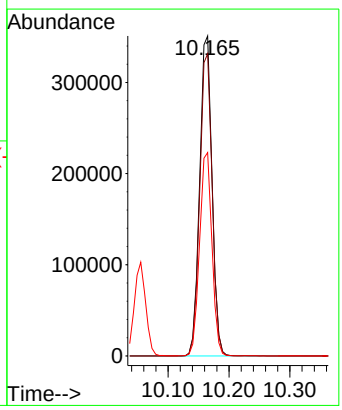


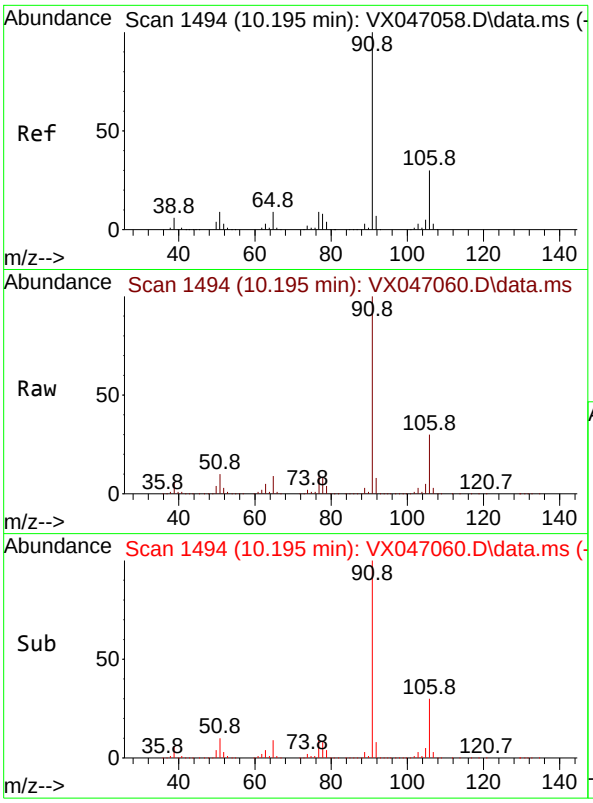


#66
1,1,1,2-Tetrachloroethane
Concen: 149.242 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:131 Resp: 495347

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.4	145.3
119	63.9	32.4	97.0



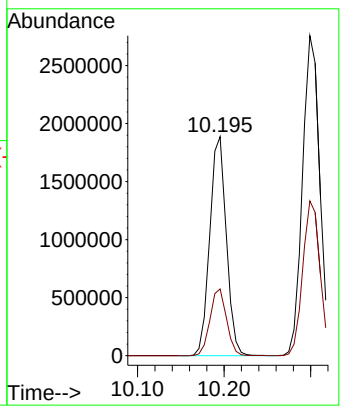


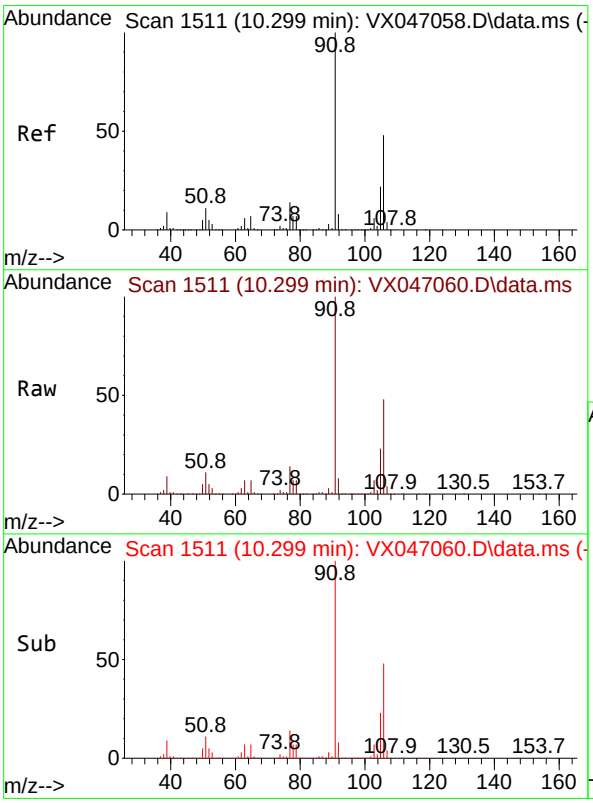
#67
Ethyl Benzene
Concen: 145.559 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 2508990

Ion	Ratio	Lower	Upper
91	100		
106	30.5	24.2	36.4

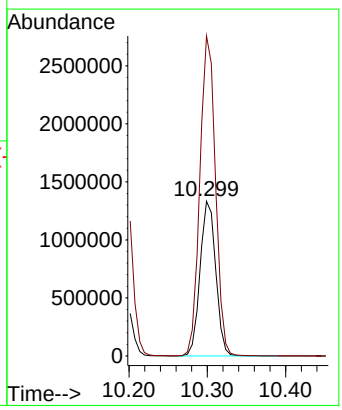


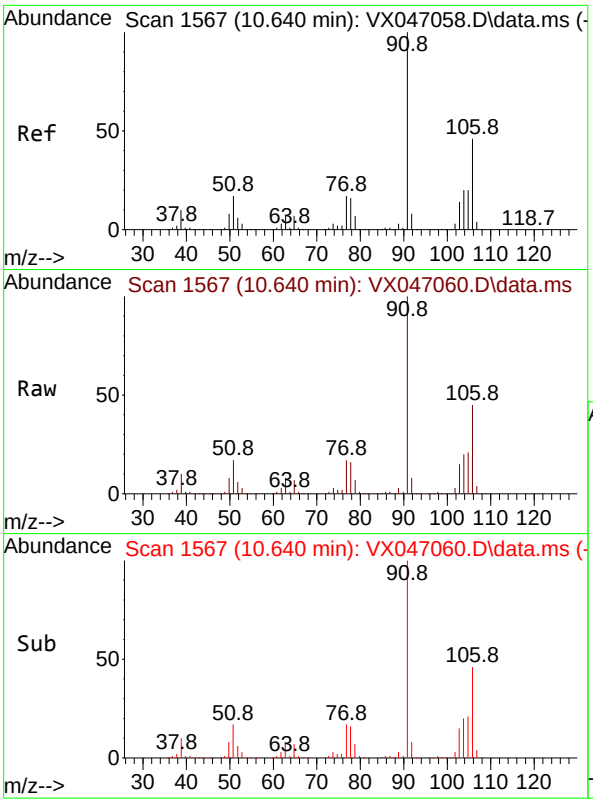


#68
m/p-Xylenes
Concen: 286.495 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:106 Resp: 1848008

Ion	Ratio	Lower	Upper
106	100		
91	206.7	167.4	251.0



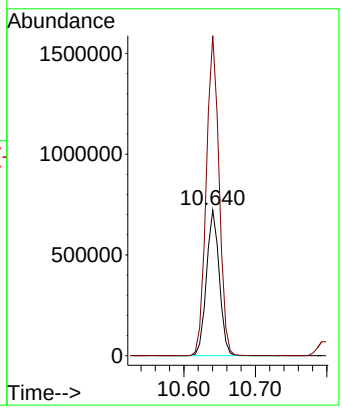


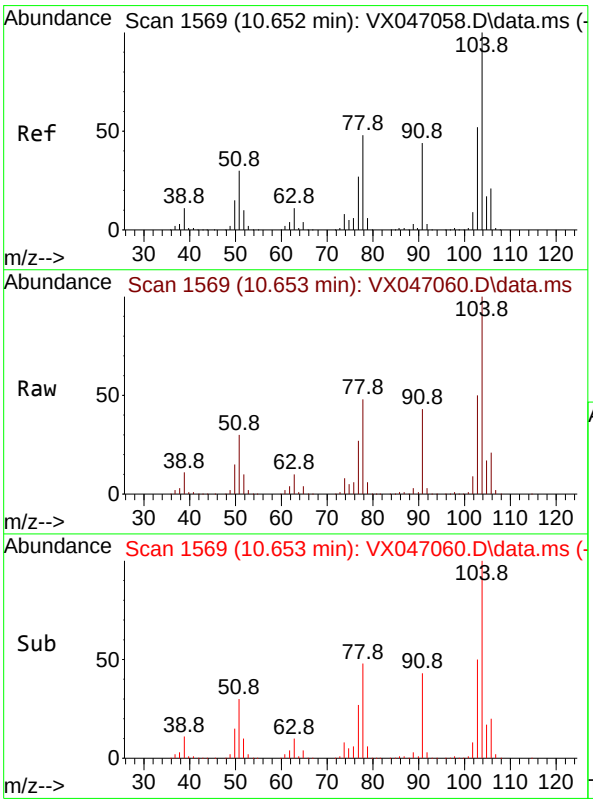
#69
o-Xylene
Concen: 146.292 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:106 Resp: 897705

Ion	Ratio	Lower	Upper
106	100		
91	220.4	110.3	331.0

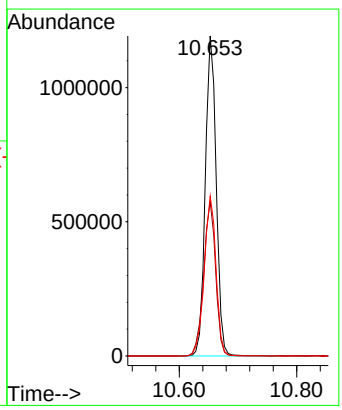


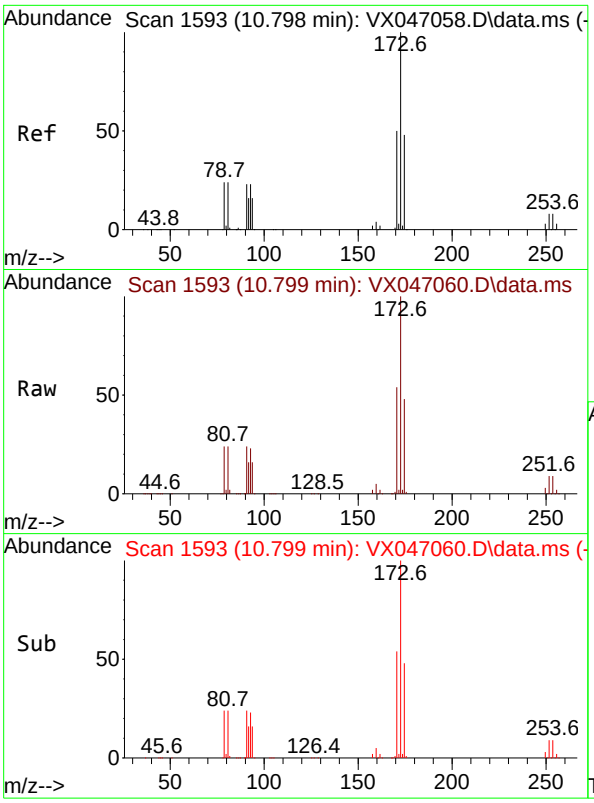


#70
Styrene
Concen: 146.214 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:104 Resp: 1538516

Ion	Ratio	Lower	Upper
104	100		
78	53.1	42.0	63.0
103	54.3	43.8	65.6



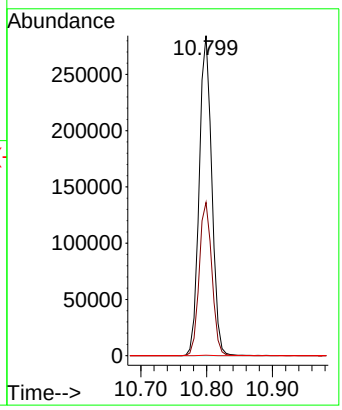


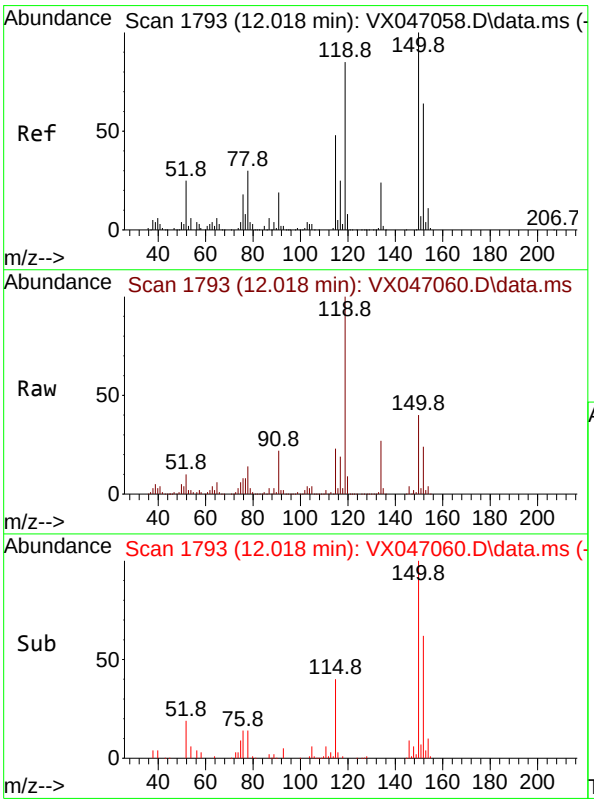
#71
Bromoform
Concen: 149.877 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:173 Resp: 377881

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.1	0.1	0.1#

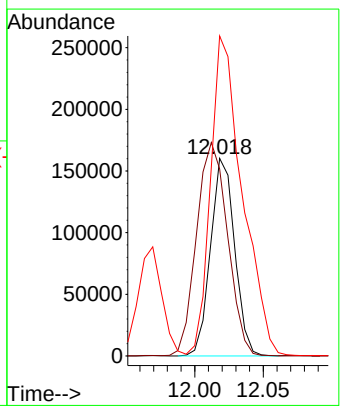


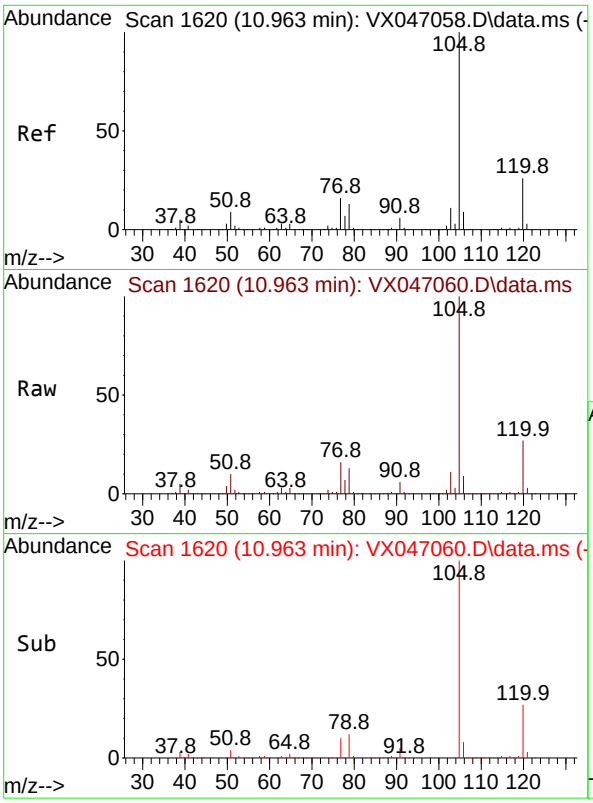


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:152 Resp: 196123

Ion	Ratio	Lower	Upper
152	100		
115	139.4	45.6	136.7#
150	213.4	0.0	354.6



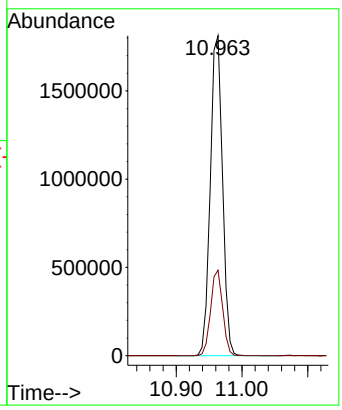


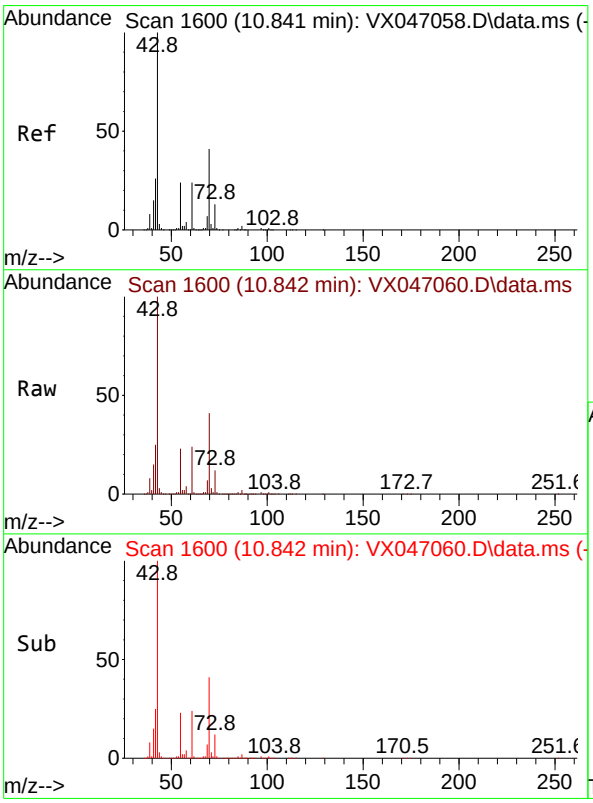
#73
Isopropylbenzene
Concen: 151.299 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2341028

Ion	Ratio	Lower	Upper
105	100		
120	26.3	12.9	38.7

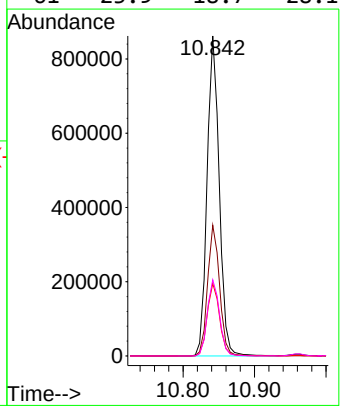


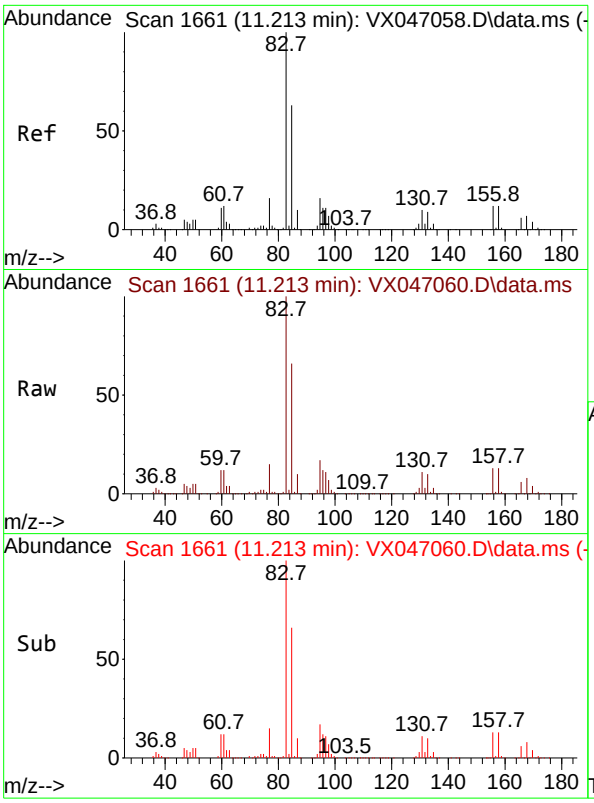


#74
N-amyl acetate
Concen: 164.856 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 43 Resp: 1017450

Ion	Ratio	Lower	Upper
43	100		
70	40.3	32.3	48.5
55	23.1	18.9	28.3
61	23.9	18.7	28.1



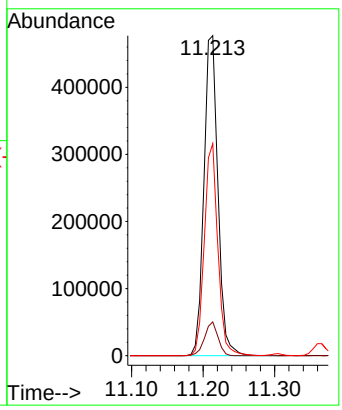


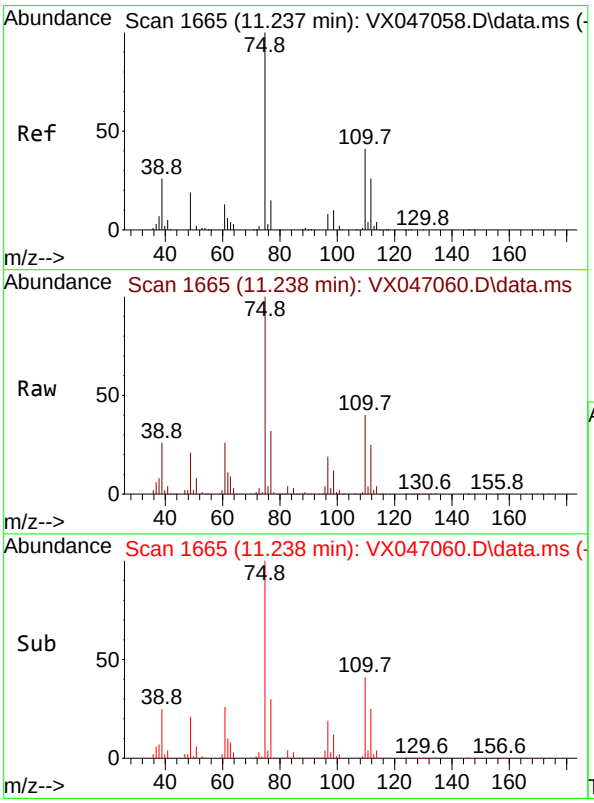
#75
1,1,2,2-Tetrachloroethane
Concen: 146.858 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 83 Resp: 649081

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	63.9	32.0	96.2

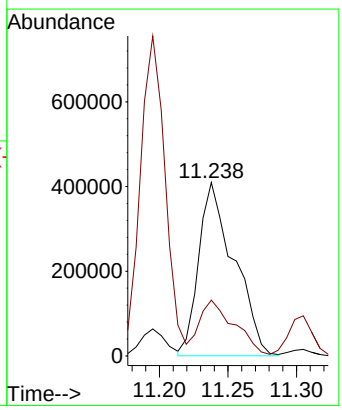


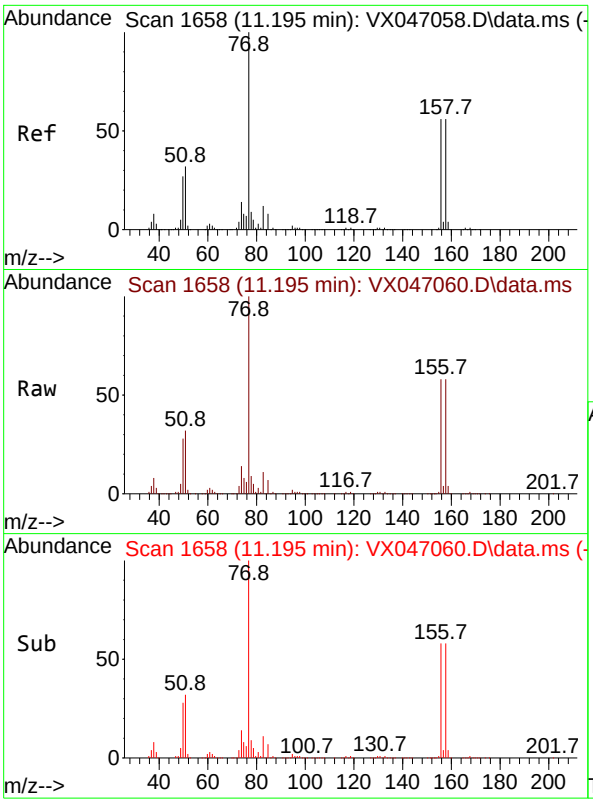


#76
1,2,3-Trichloropropane
Concen: 203.126 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 75 Resp: 737375

Ion	Ratio	Lower	Upper
75	100		
77	32.1	21.6	65.0



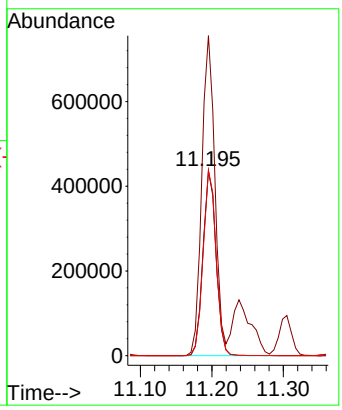


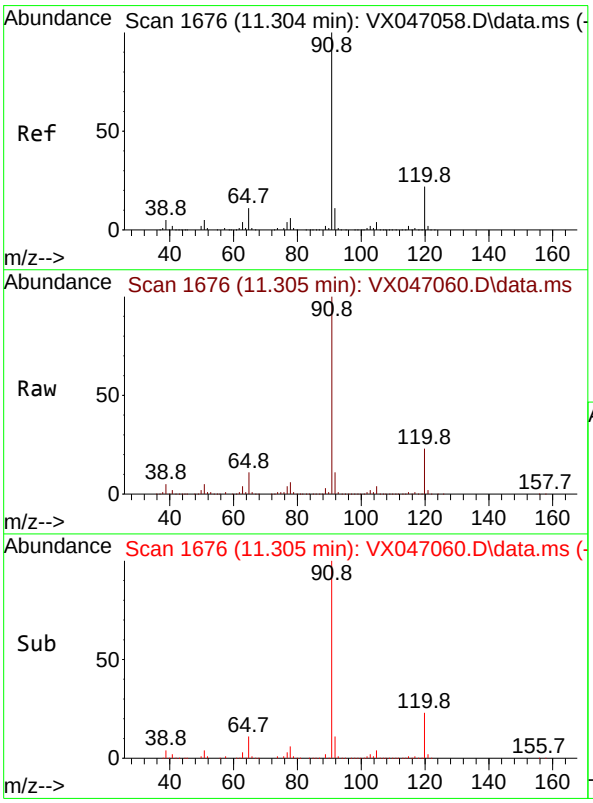
#77
Bromobenzene
Concen: 149.806 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:156 Resp: 555966

Ion	Ratio	Lower	Upper
156	100		
77	172.6	87.3	261.9
158	99.3	48.9	146.6

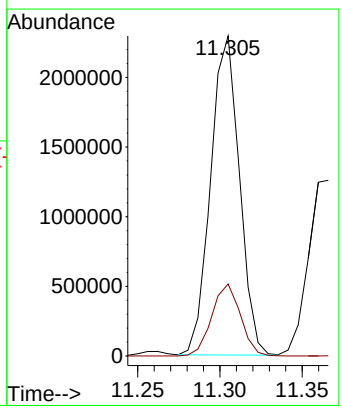


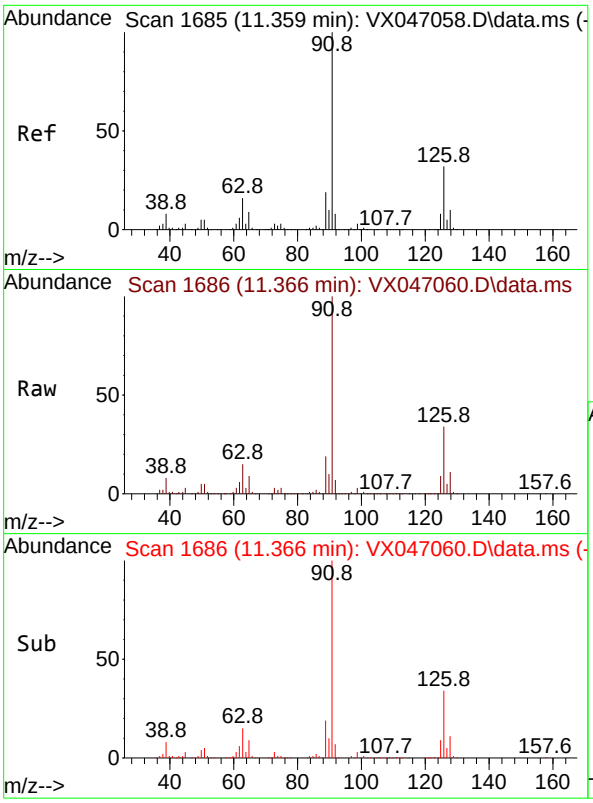


#78
n-propylbenzene
Concen: 150.924 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 91 Resp: 2790577

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0



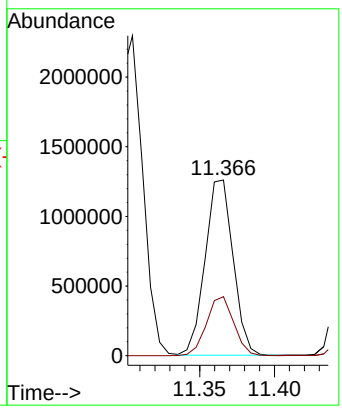


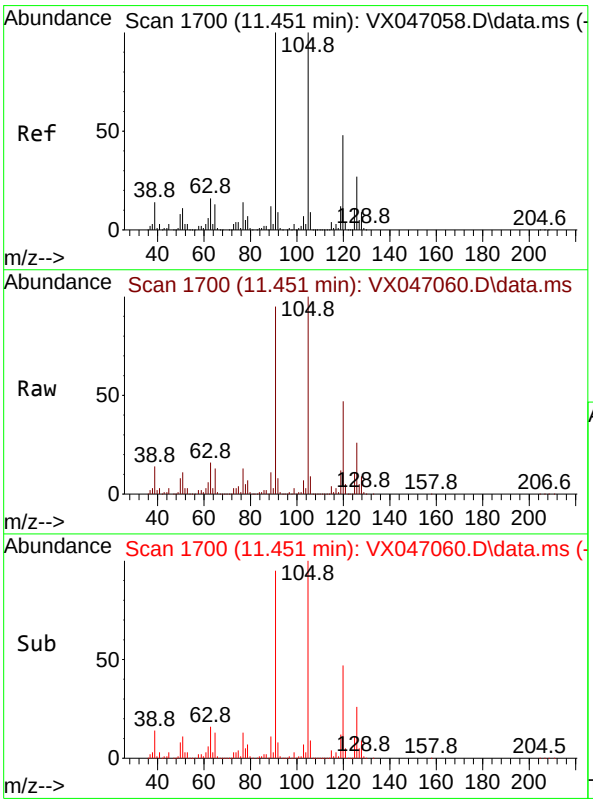
#79
2-Chlorotoluene
Concen: 148.487 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1641174

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

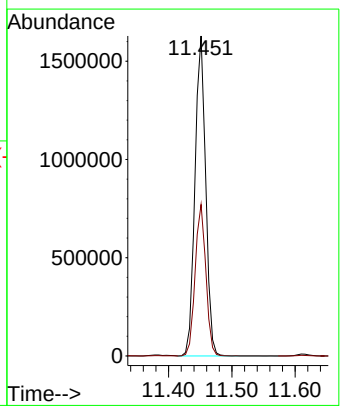


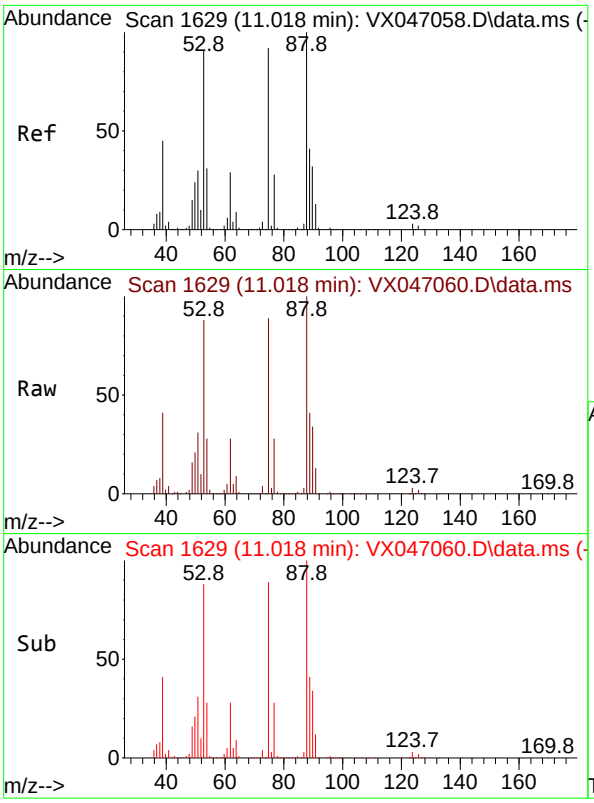


#80
1,3,5-Trimethylbenzene
Concen: 150.280 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:105 Resp: 1921023

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.5



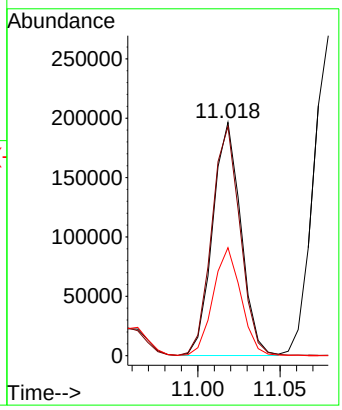


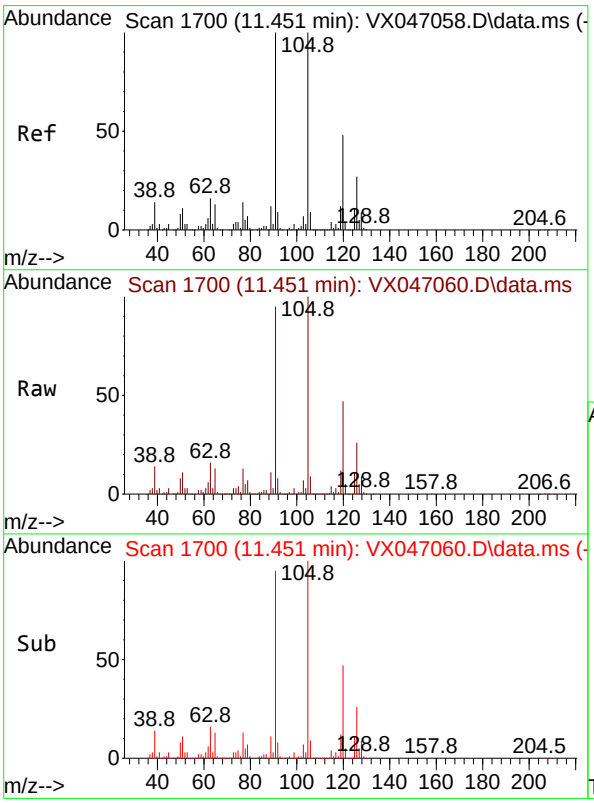
#81
trans-1,4-Dichloro-2-butene
Concen: 166.150 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 75 Resp: 234105

Ion	Ratio	Lower	Upper
75	100		
53	99.1	84.2	126.4
89	45.9	36.0	54.0

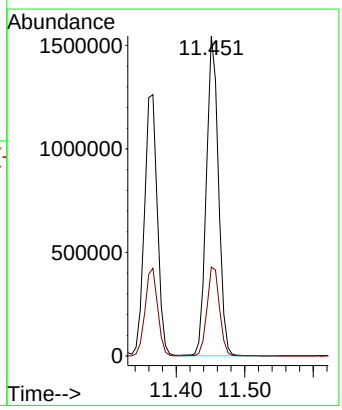


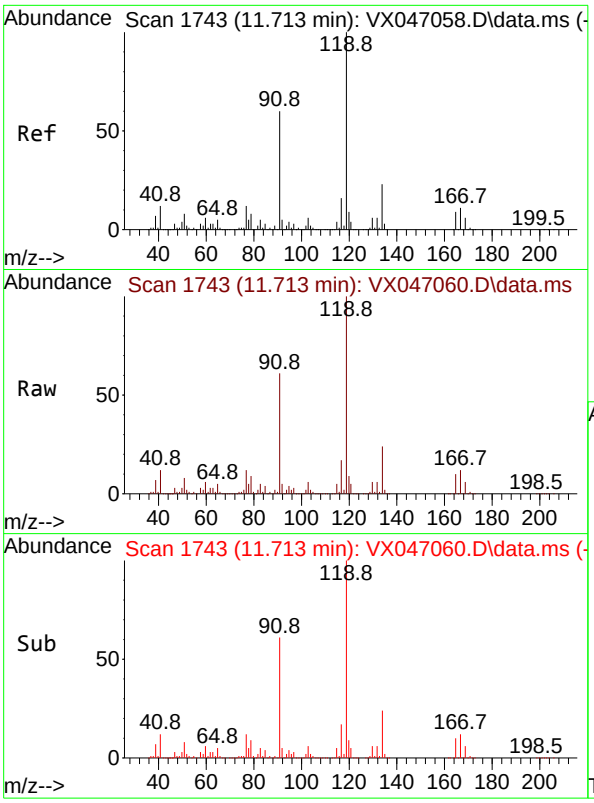


#82
4-Chlorotoluene
Concen: 147.381 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 91 Resp: 1901346

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.1	42.3



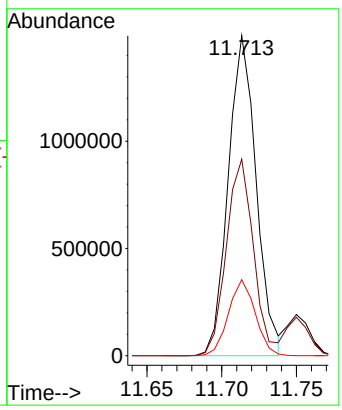


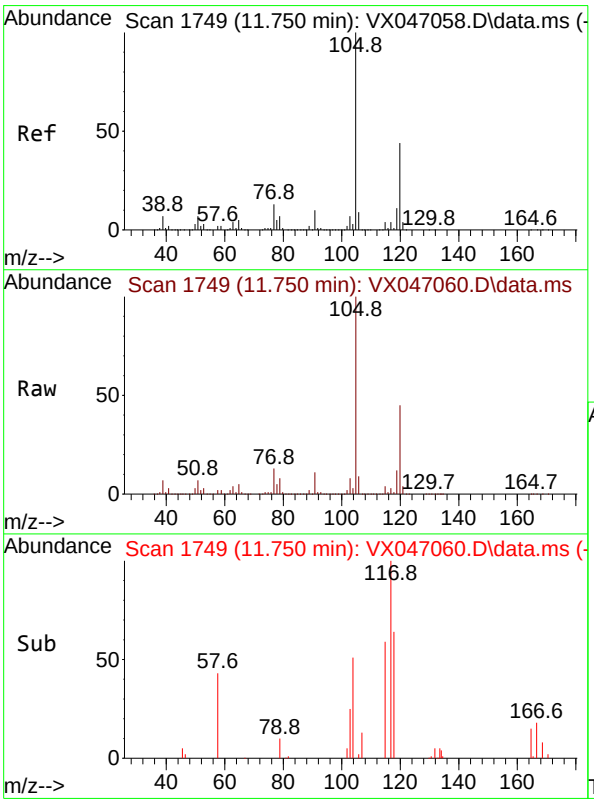
#83
tert-Butylbenzene
Concen: 151.288 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:119 Resp: 1941048

Ion	Ratio	Lower	Upper
119	100		
91	59.8	29.6	88.8
134	22.8	11.4	34.1

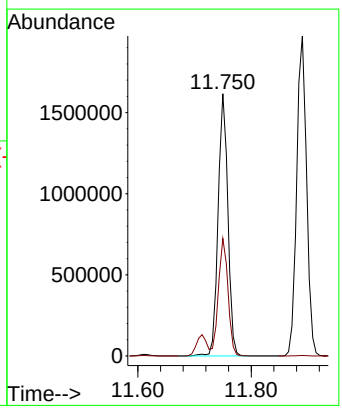


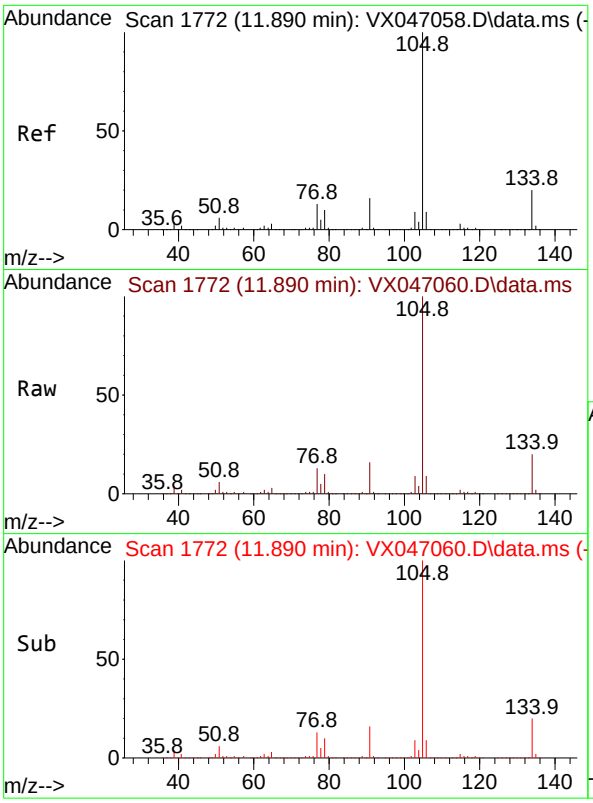


#84
1,2,4-Trimethylbenzene
Concen: 150.829 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:105 Resp: 1923088

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.0	66.0



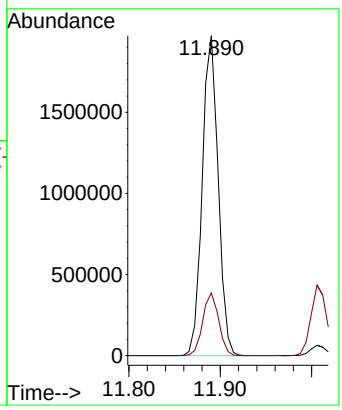


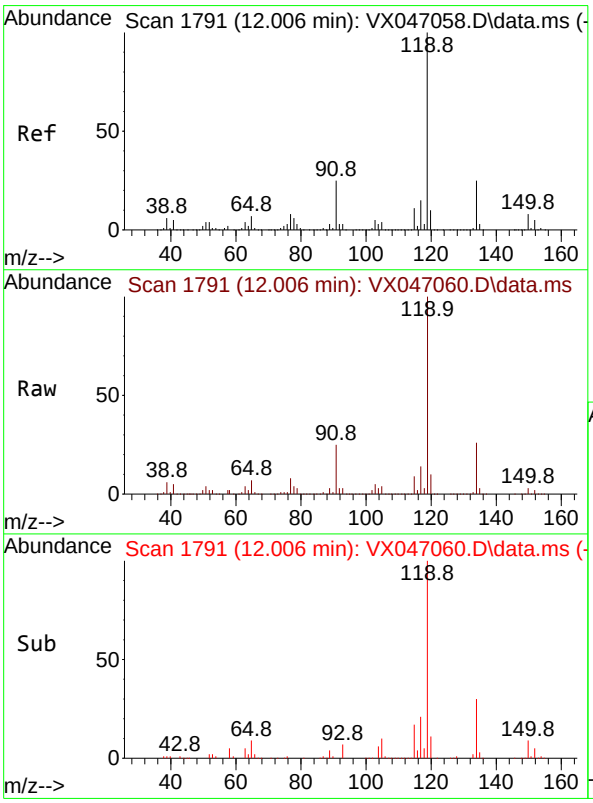
#85
sec-Butylbenzene
Concen: 148.873 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:105 Resp: 2386553

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.9	29.7

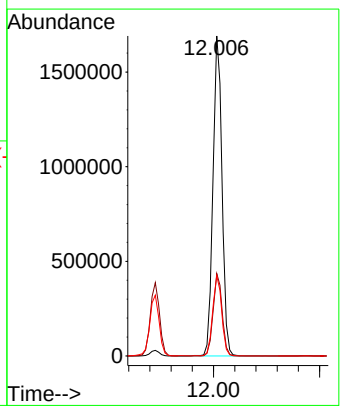


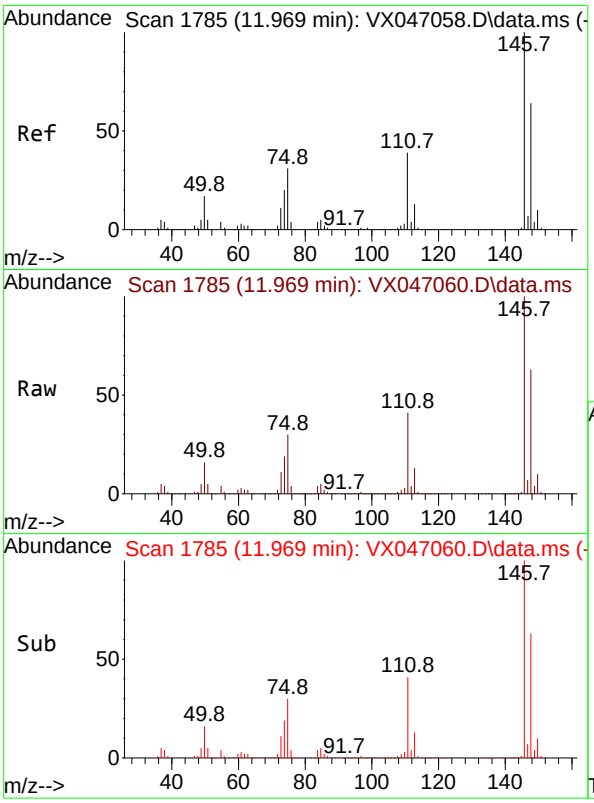


#86
p-Isopropyltoluene
Concen: 150.546 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:119 Resp: 2001346

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	25.0	12.4	37.4



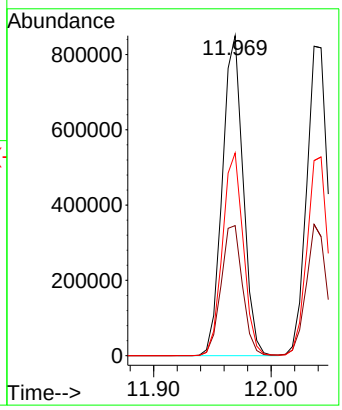


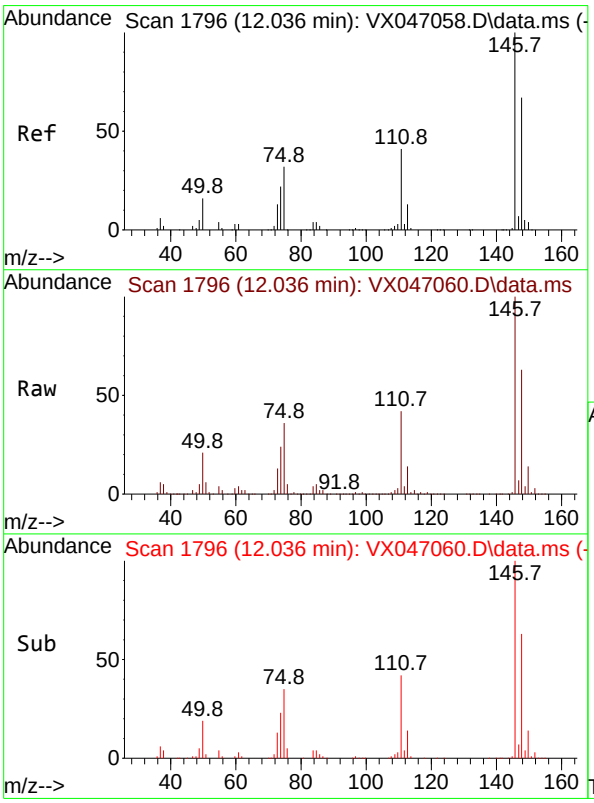
#87
1,3-Dichlorobenzene
Concen: 148.192 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 1044993

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.6	32.0	96.0

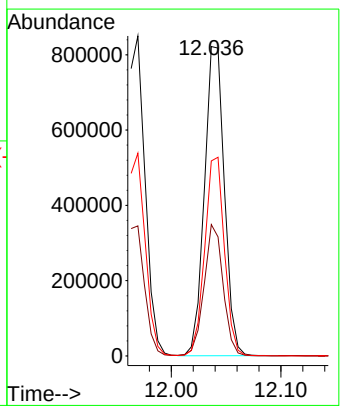


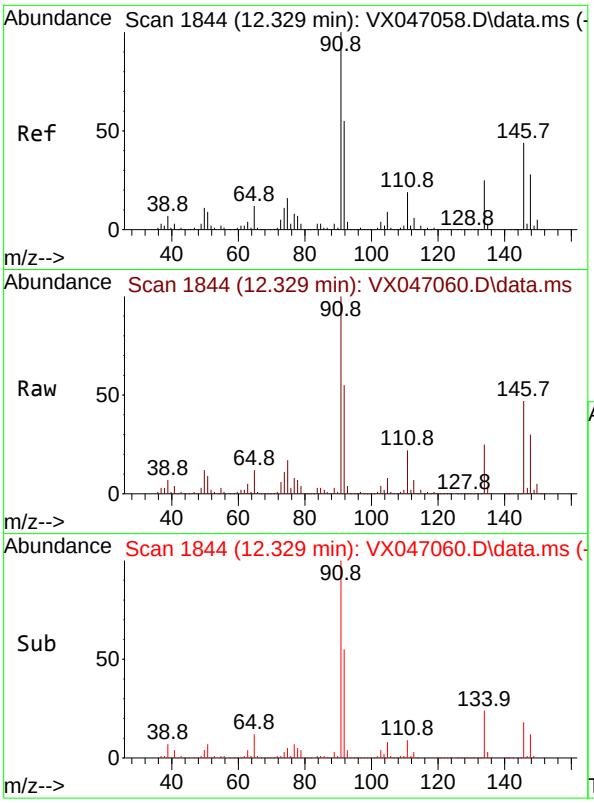


#88
1,4-Dichlorobenzene
Concen: 145.525 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:146 Resp: 1039670

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.9
148	63.7	33.0	98.9



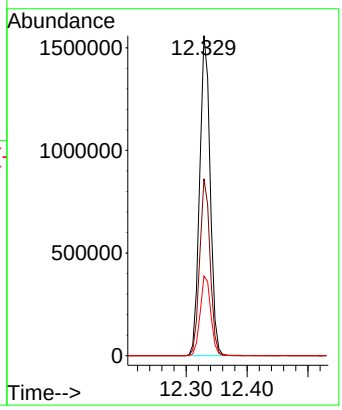


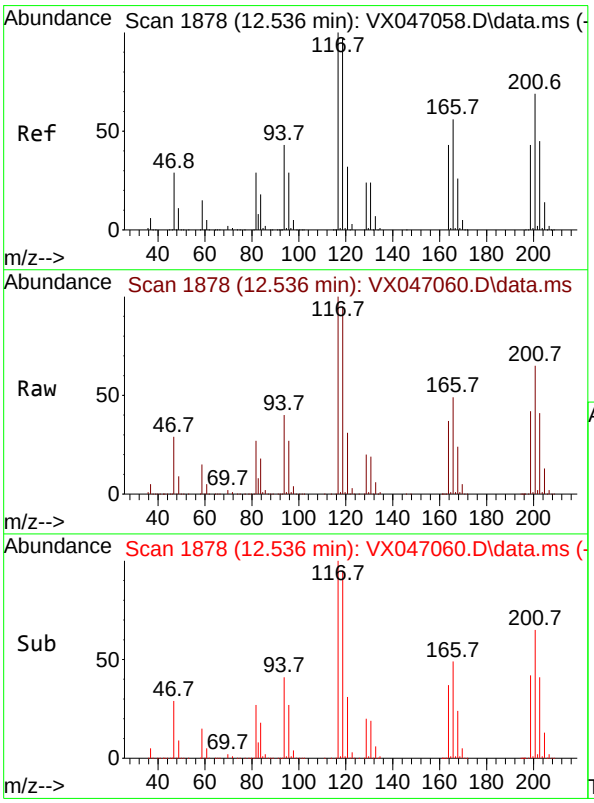
#89
n-Butylbenzene
Concen: 150.392 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion: 91 Resp: 1874924

Ion	Ratio	Lower	Upper
91	100		
92	54.7	27.5	82.5
134	25.2	12.8	38.3

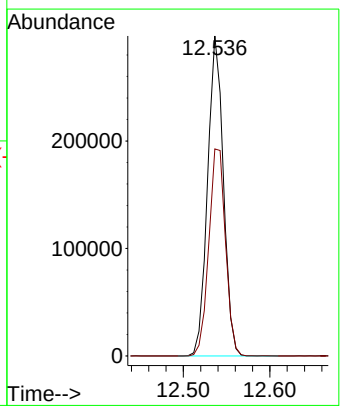


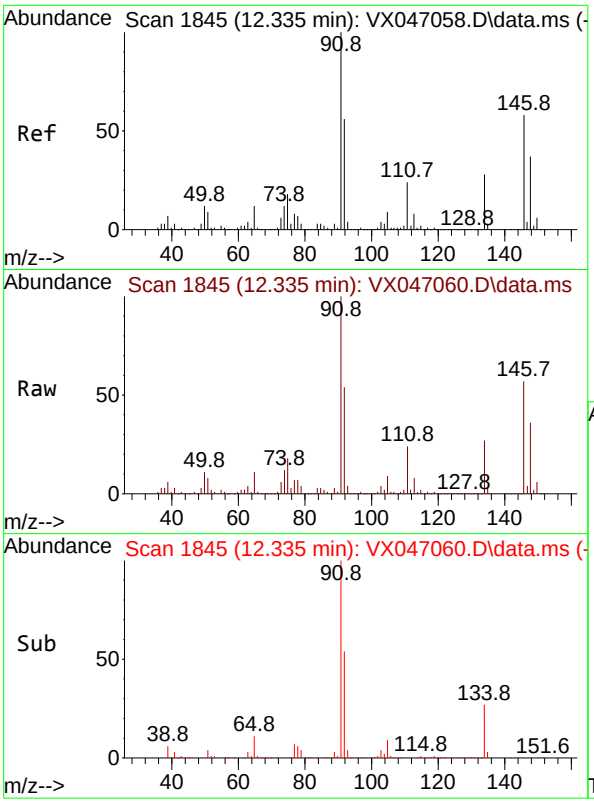


#90
Hexachloroethane
Concen: 158.429 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:117 Resp: 376780

Ion	Ratio	Lower	Upper
117	100		
201	68.5	34.8	104.5



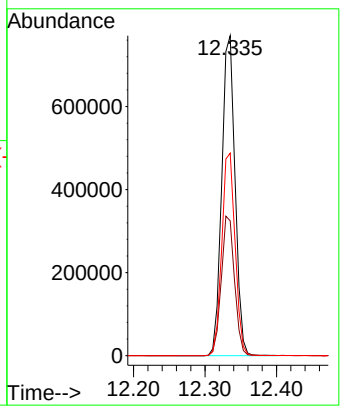


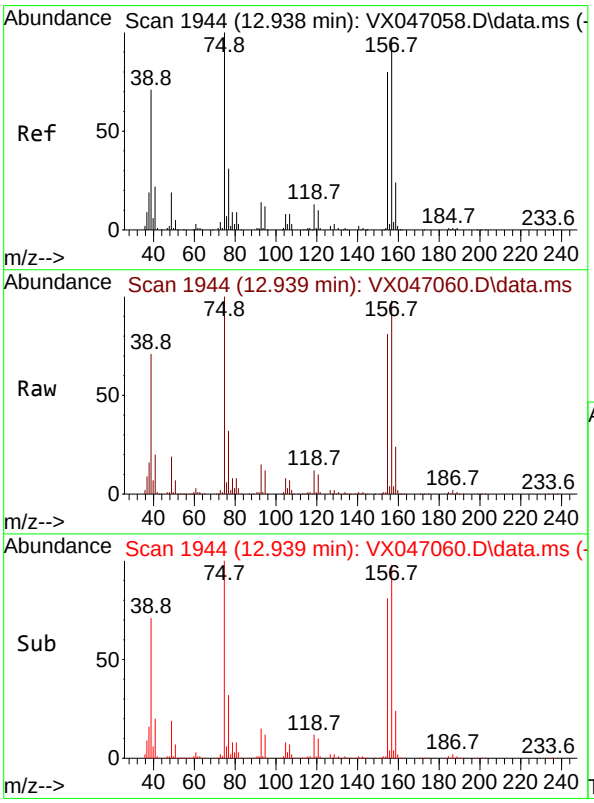
#91
1,2-Dichlorobenzene
Concen: 147.614 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:146 Resp: 994860

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	63.8	31.9	95.7

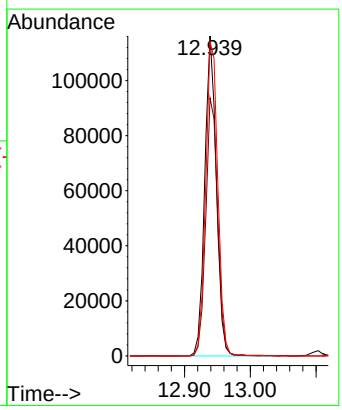


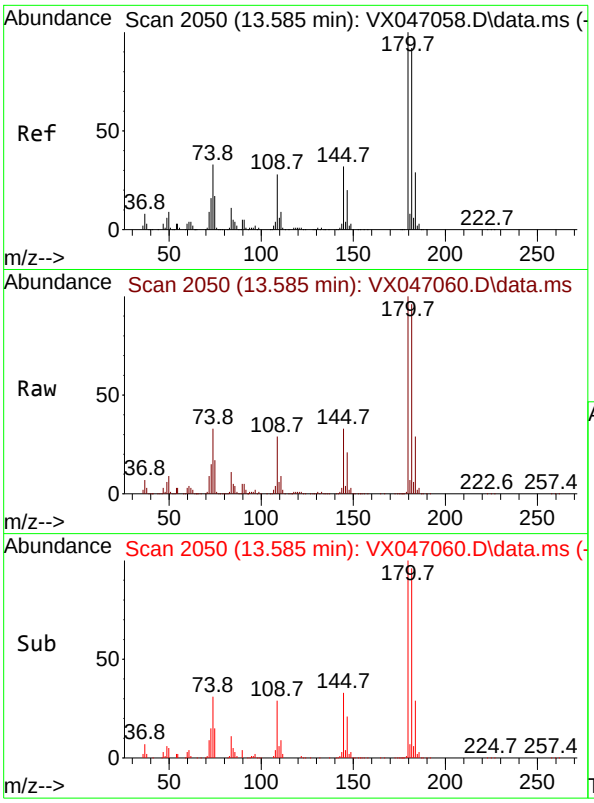


#92
1,2-Dibromo-3-Chloropropane
Concen: 167.843 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion: 75 Resp: 142395

Ion	Ratio	Lower	Upper
75	100		
155	83.1	41.3	124.1
157	103.2	52.8	158.3



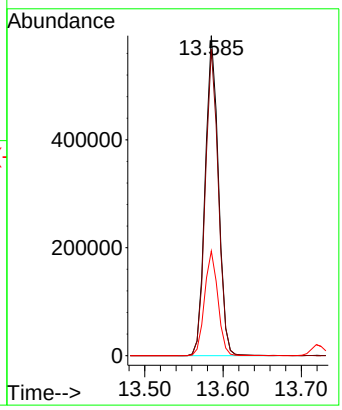


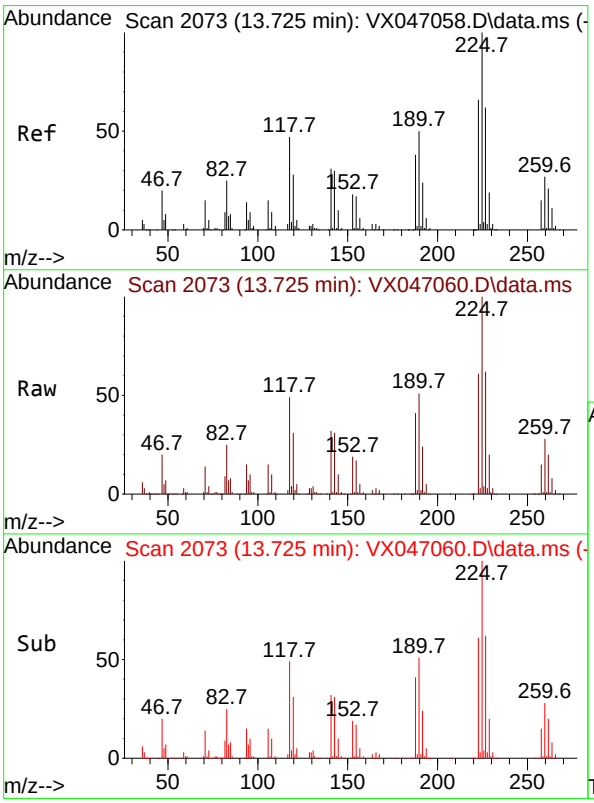
#93
1,2,4-Trichlorobenzene
Concen: 155.373 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:180 Resp: 691853

Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.3	141.8
145	32.9	16.4	49.1

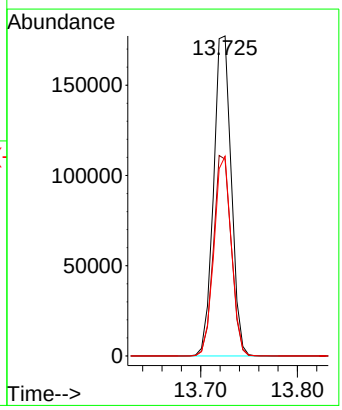


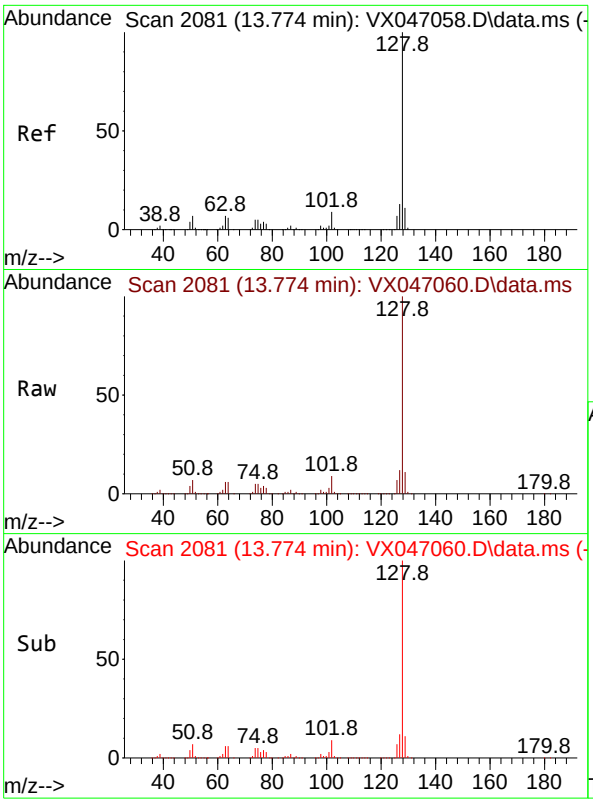


#94
Hexachlorobutadiene
Concen: 148.249 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:225 Resp: 224504

Ion	Ratio	Lower	Upper
225	100		
223	62.8	31.6	95.0
227	61.5	32.9	98.6



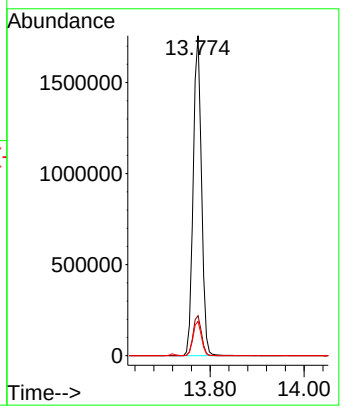


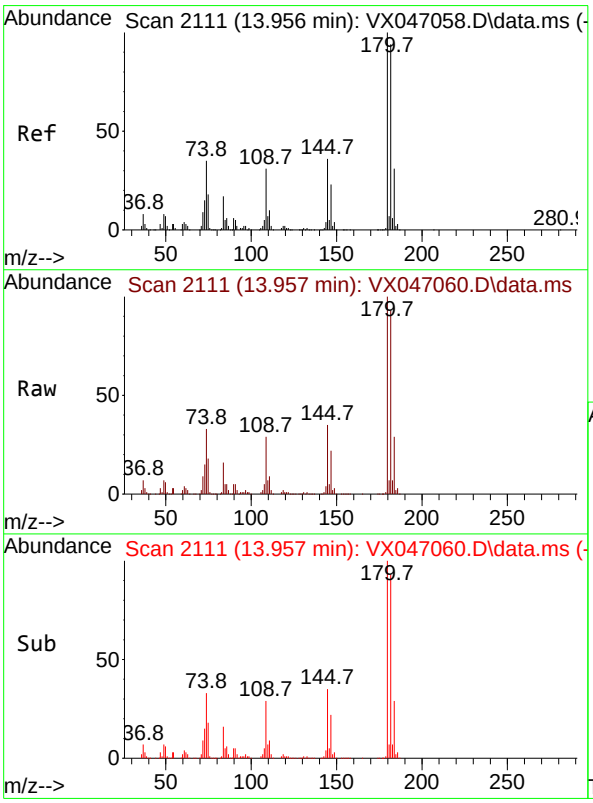
#95
Naphthalene
Concen: 166.363 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Tgt Ion:128 Resp: 2171681

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.6	13.0

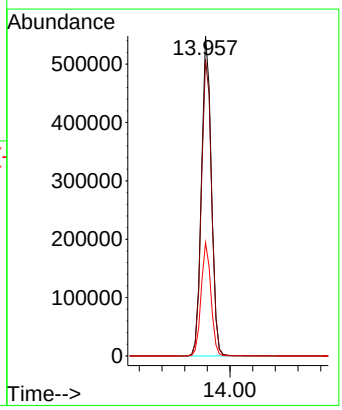




#96
1,2,3-Trichlorobenzene
Concen: 154.436 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047060.D
Acq: 21 Jul 2025 11:32

Tgt Ion:180 Resp: 662501

Ion	Ratio	Lower	Upper
180	100		
182	95.4	46.9	140.6
145	35.0	17.3	52.0



Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

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

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.916	41	138183	45.816	ug/l	97
42) 1,2-Dichloroethane	6.086	62	283205	44.378	ug/l	99
43) Isopropyl Acetate	6.336	43	409733	45.564	ug/l	99
44) Trichloroethene	7.123	130	202817	43.658	ug/l	98
45) 1,2-Dichloropropane	7.428	63	200065	44.093	ug/l	98
46) Dibromomethane	7.580	93	143569	45.121	ug/l	99
47) Bromodichloromethane	7.818	83	301133	44.463	ug/l	99
48) Methyl methacrylate	7.690	41	208228	42.505	ug/l	99
49) 1,4-Dioxane	7.653	88	50734	910.550	ug/l	99
51) 4-Methyl-2-Pentanone	8.568	43	1164013	217.774	ug/l	100
52) Toluene	8.714	92	498799	44.778	ug/l	97
53) t-1,3-Dichloropropene	8.976	75	290633	45.444	ug/l	98
54) cis-1,3-Dichloropropene	8.366	75	322967	46.140	ug/l	98
55) 1,1,2-Trichloroethane	9.147	97	180762	43.270	ug/l	99
56) Ethyl methacrylate	9.116	69	286552	46.334	ug/l	100
57) 1,3-Dichloropropane	9.305	76	314736	43.350	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.238	63	774980	225.188	ug/l	100
59) 2-Hexanone	9.427	43	807822	228.755	ug/l	100
60) Dibromochloromethane	9.519	129	216749	44.239	ug/l	100
61) 1,2-Dibromoethane	9.604	107	188713	43.202	ug/l	99
64) Tetrachloroethene	9.269	164	164447	44.131	ug/l	96
65) Chlorobenzene	10.073	112	536664	44.318	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	181544	44.529	ug/l	99
67) Ethyl Benzene	10.189	91	952288	44.977	ug/l	100
68) m/p-Xylenes	10.299	106	709639	89.564	ug/l	100
69) o-Xylene	10.640	106	341662	45.328	ug/l	99
70) Styrene	10.653	104	589610	45.618	ug/l	100
71) Bromoform	10.799	173	136594	44.106	ug/l	100
73) Isopropylbenzene	10.957	105	903154	46.708	ug/l	100
74) N-amyl acetate	10.842	43	360744	46.238	ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	248756	45.037	ug/l	99
76) 1,2,3-Trichloropropane	11.238	75	270356	59.595	ug/l	82
77) Bromobenzene	11.195	156	215391	46.441	ug/l	98
78) n-propylbenzene	11.299	91	1081658	46.812	ug/l	100
79) 2-Chlorotoluene	11.360	91	631252	45.702	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	737827	46.187	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.012	75	79906	45.380	ug/l	97
82) 4-Chlorotoluene	11.451	91	749299	46.476	ug/l	99
83) tert-Butylbenzene	11.713	119	752650	46.942	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	744757	46.741	ug/l	99
85) sec-Butylbenzene	11.890	105	934198	46.632	ug/l	99
86) p-Isopropyltoluene	12.006	119	773508	46.560	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	400520	45.450	ug/l	99
88) 1,4-Dichlorobenzene	12.036	146	398497	44.634	ug/l	98
89) n-Butylbenzene	12.329	91	735386	47.201	ug/l	99
90) Hexachloroethane	12.536	117	138697	46.667	ug/l	97
91) 1,2-Dichlorobenzene	12.329	146	373286	44.320	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	47608	44.904	ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	261487	46.990	ug/l	99
94) Hexachlorobutadiene	13.725	225	86113	45.502	ug/l	99
95) Naphthalene	13.774	128	755367	46.304	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	241137	44.980	ug/l	98

Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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

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

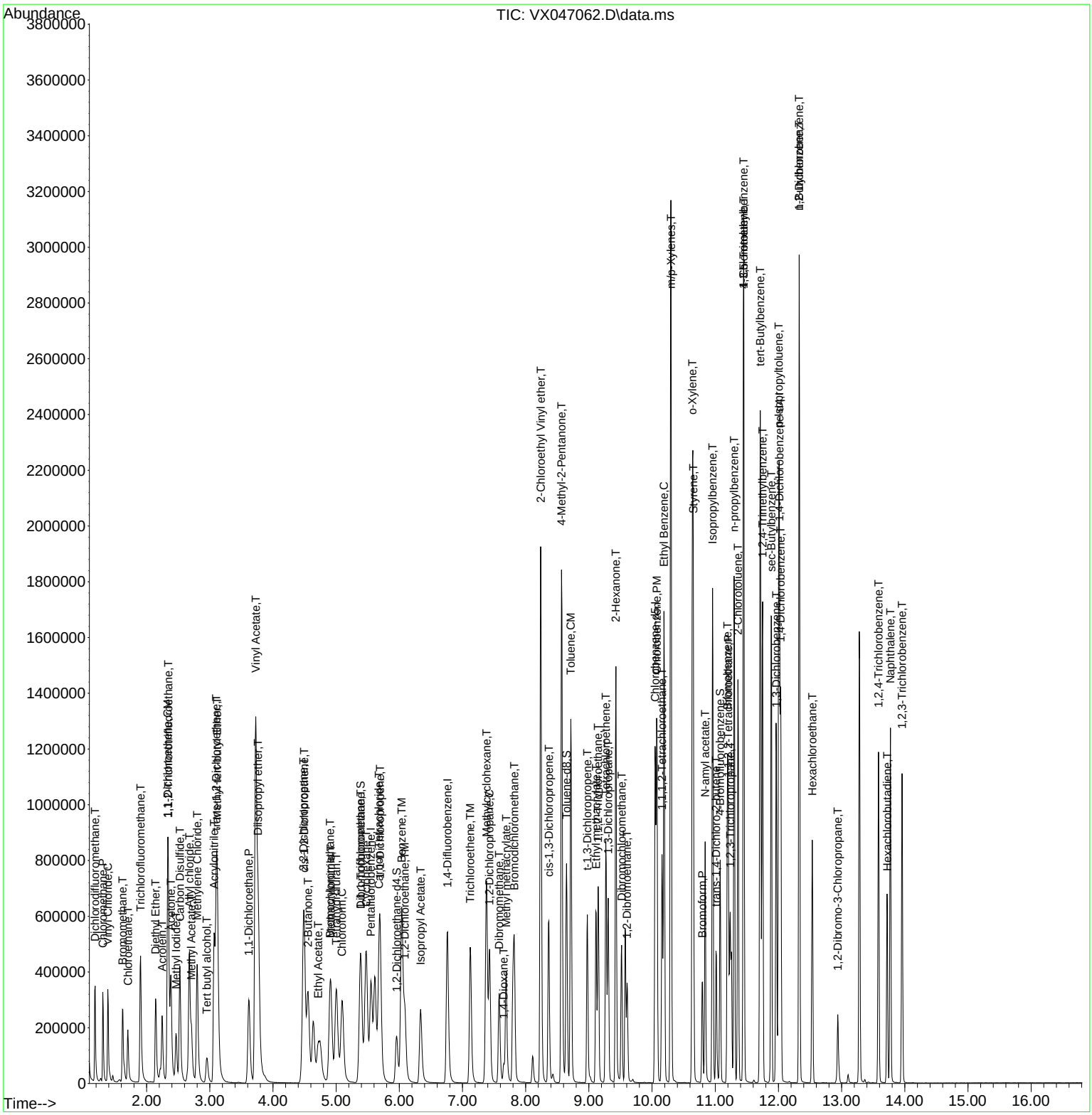
(#) = qualifier out of range (m) = manual integration (+) = signals summed

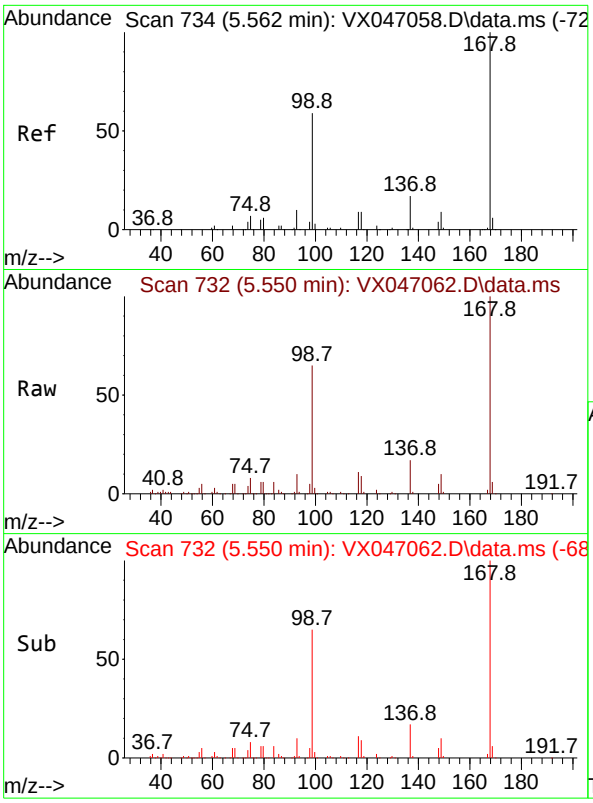
Quantitation Report (Not Reviewed)

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

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

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



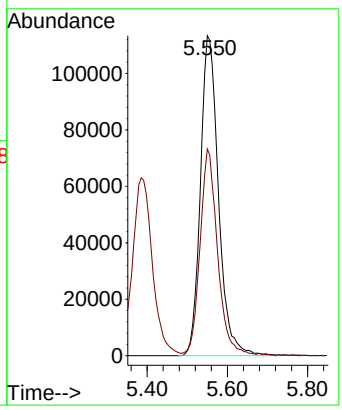


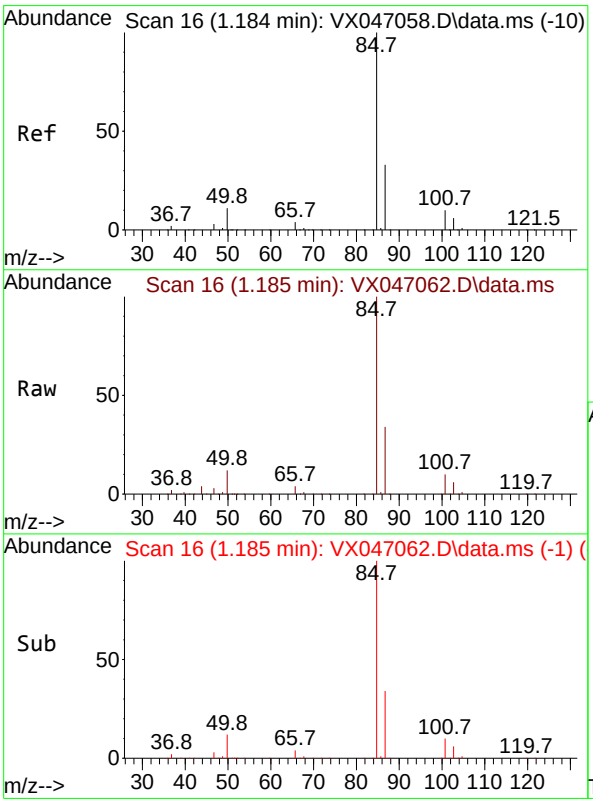
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:168 Resp: 353932

Ion	Ratio	Lower	Upper
168	100		
99	64.3	48.0	72.0

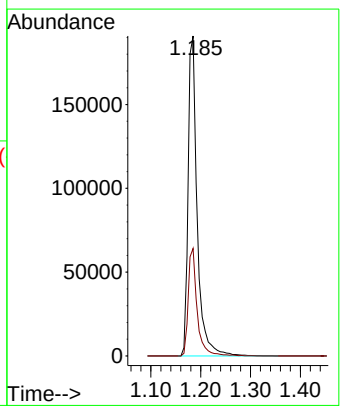


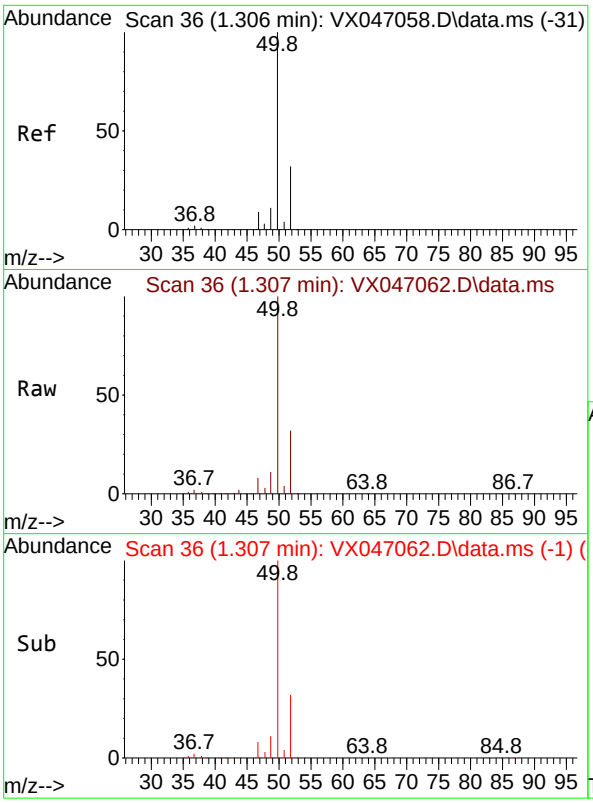


#2
Dichlorodifluoromethane
Concen: 51.252 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 85 Resp: 240944

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.6	49.8



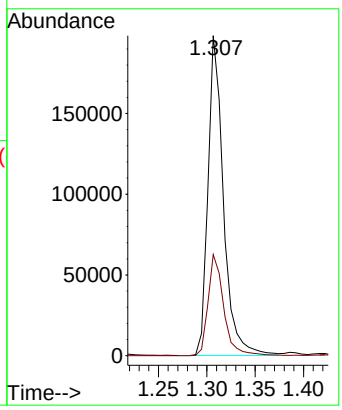


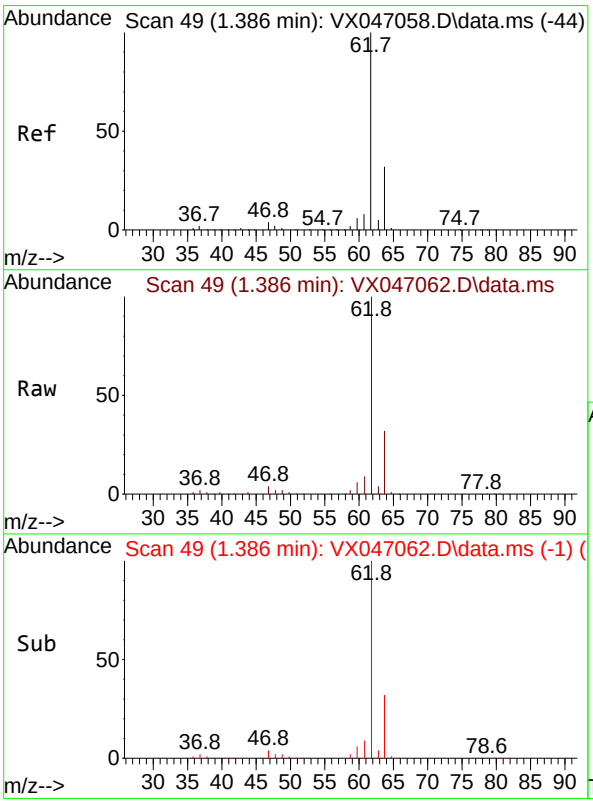
#3
Chloromethane
Concen: 47.383 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 50 Resp: 220344

Ion	Ratio	Lower	Upper
50	100		
52	31.6	25.4	38.2

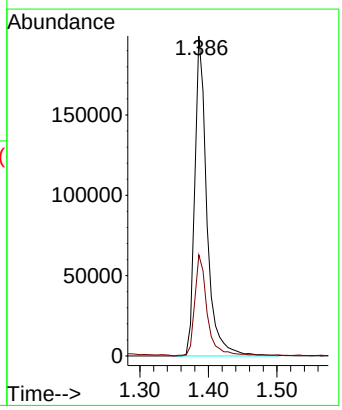


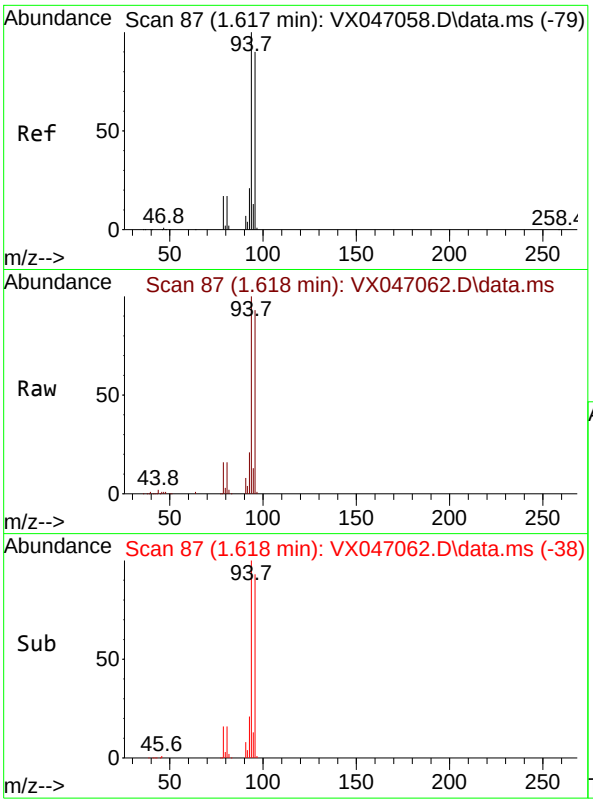


#4
Vinyl Chloride
Concen: 48.838 ug/l
RT: 1.386 min Scan# 49
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 62 Resp: 244133

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.2	37.8



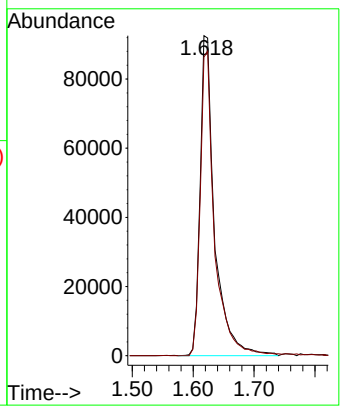


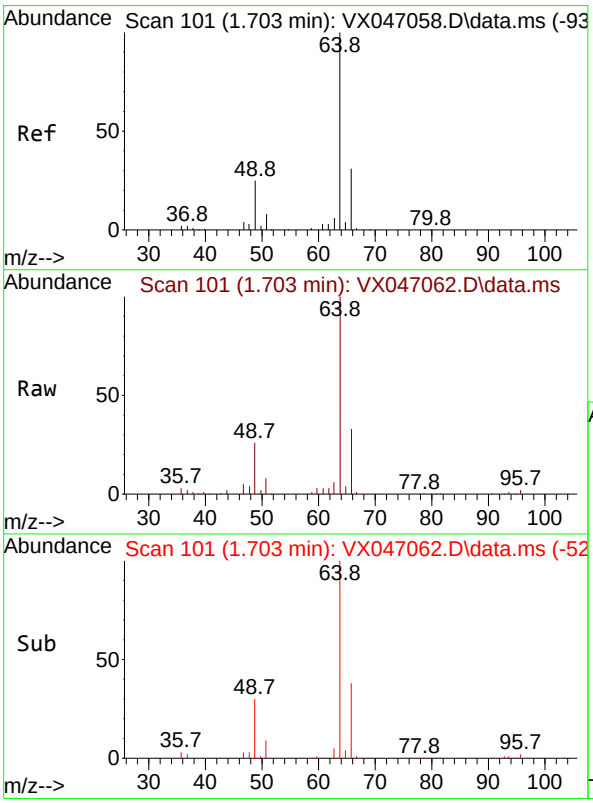
#5
Bromomethane
Concen: 56.435 ug/l
RT: 1.618 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 94 Resp: 153243

Ion	Ratio	Lower	Upper
94	100		
96	93.3	72.3	108.5

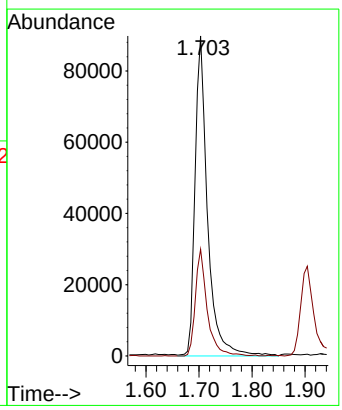


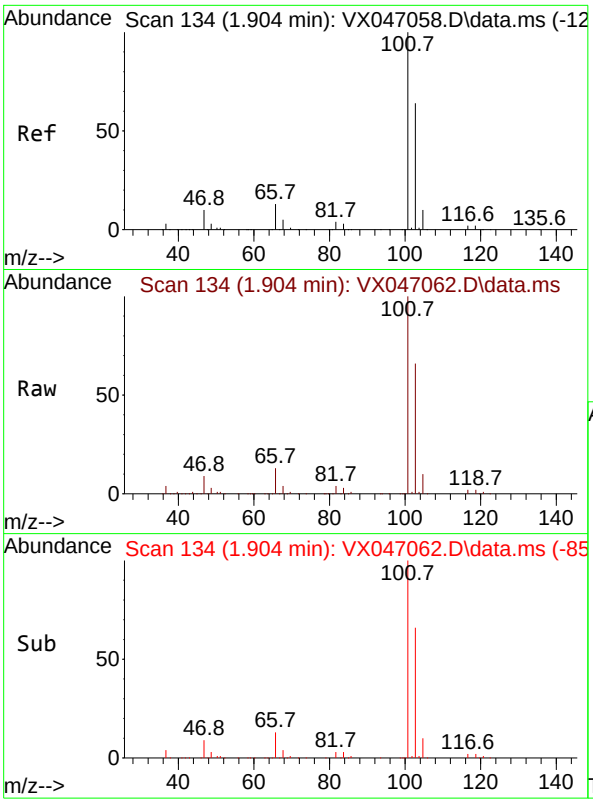


#6
Chloroethane
Concen: 44.676 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 64 Resp: 146679

Ion	Ratio	Lower	Upper
64	100		
66	33.3	25.0	37.6



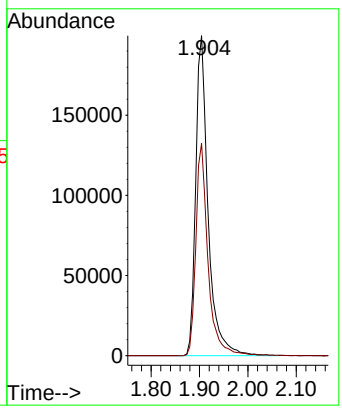


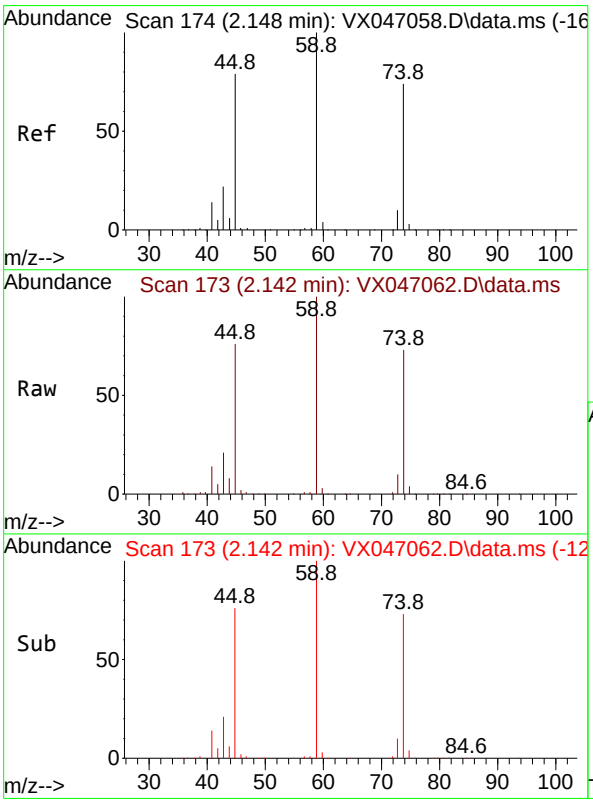
#7
Trichlorofluoromethane
Concen: 47.552 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:101 Resp: 354446

Ion	Ratio	Lower	Upper
101	100		
103	66.4	50.9	76.3

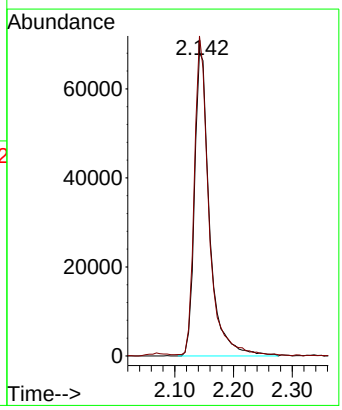


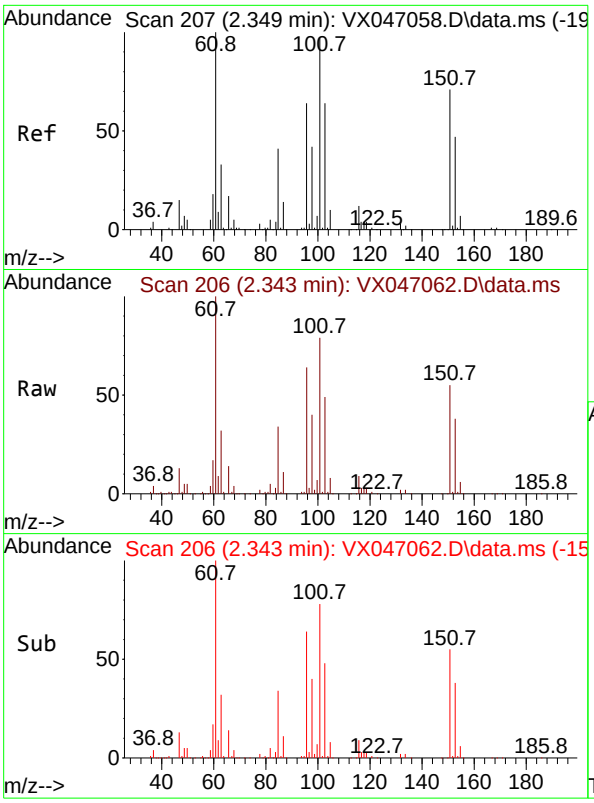


#8
Diethyl Ether
Concen: 46.477 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 74 Resp: 122150

Ion	Ratio	Lower	Upper
74	100		
45	101.7	53.0	159.0



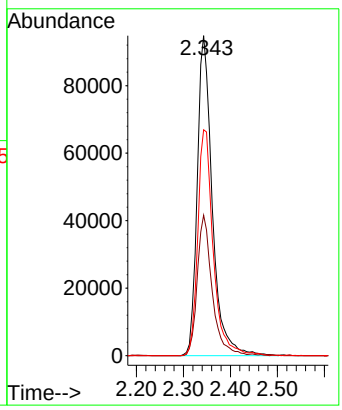


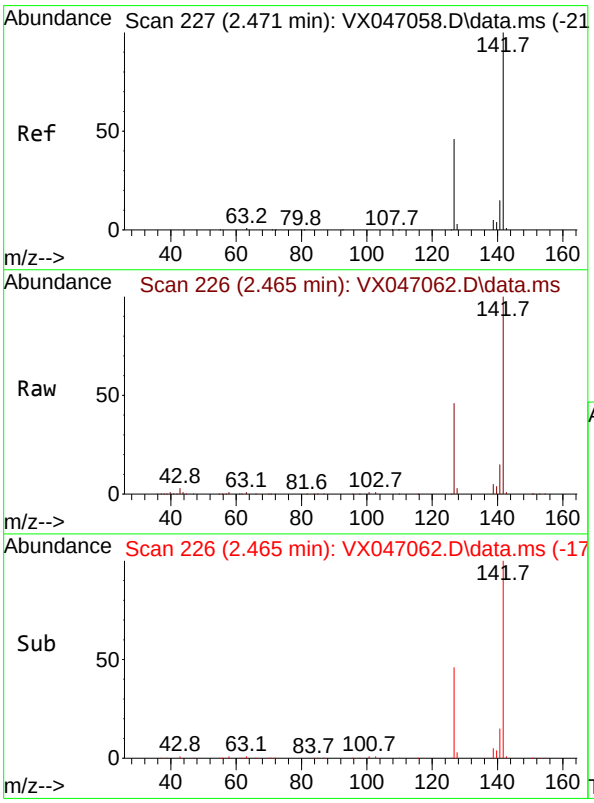
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.104 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:101 Resp: 211536

Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.4	53.0
151	72.8	59.2	88.8

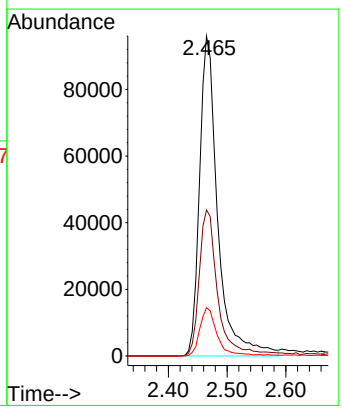


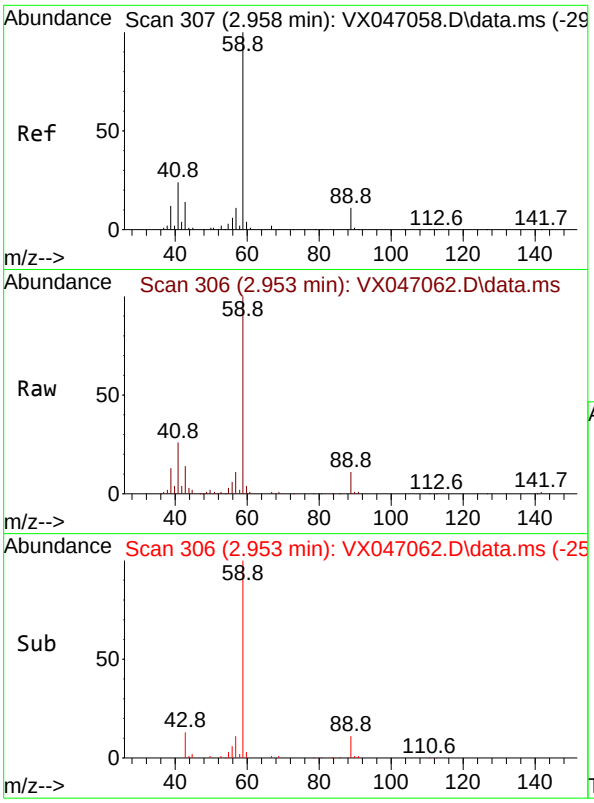


#10
Methyl Iodide
Concen: 45.047 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:142 Resp: 206176

Ion	Ratio	Lower	Upper
142	100		
127	47.4	36.6	54.8
141	14.6	10.9	16.3



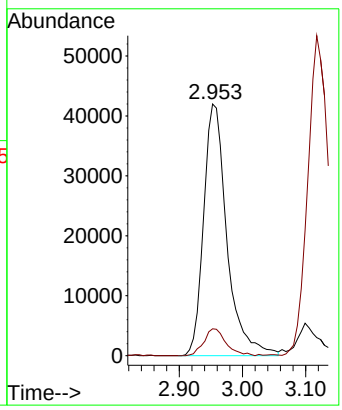


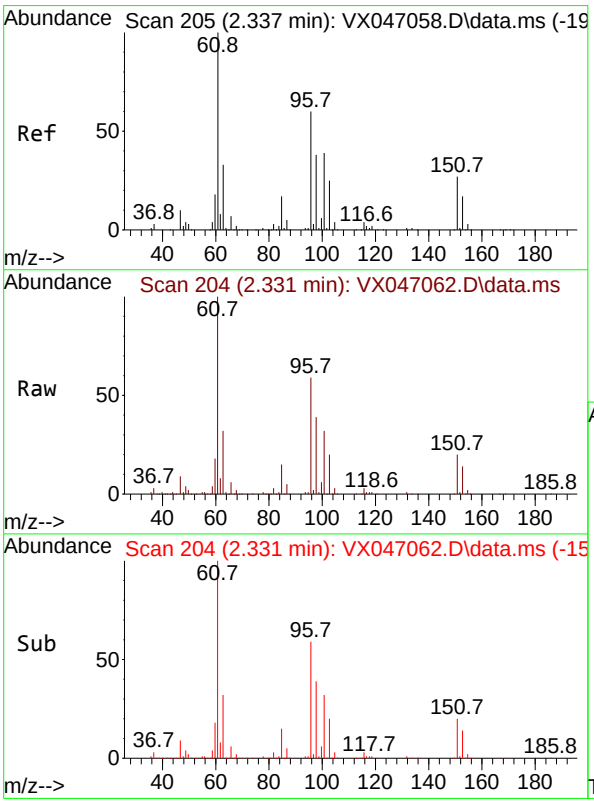
#11
Tert butyl alcohol
Concen: 207.194 ug/l
RT: 2.953 min Scan# 3
Delta R.T. -0.005 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 59 Resp: 107694

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

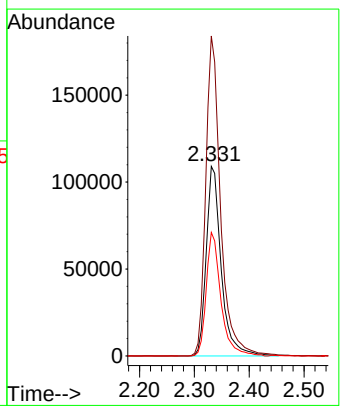


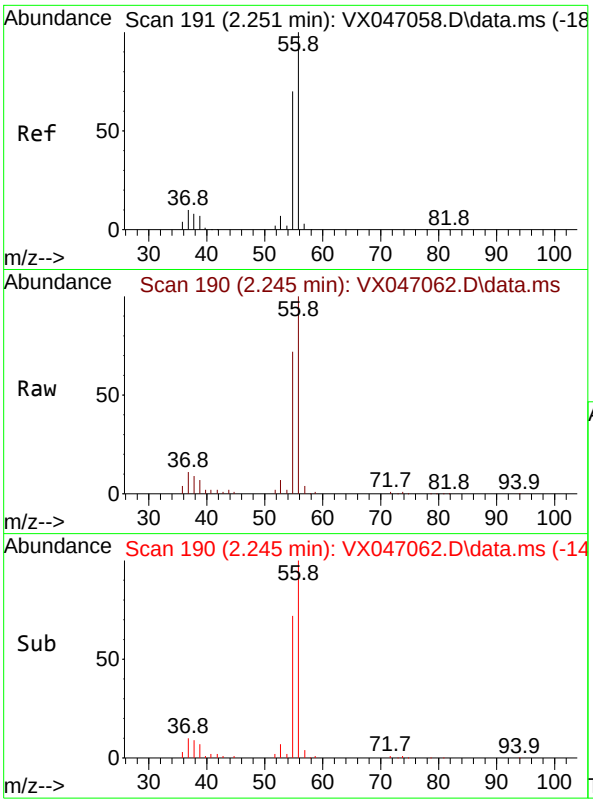


#12
1,1-Dichloroethene
Concen: 46.555 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 96 Resp: 207074

Ion	Ratio	Lower	Upper
96	100		
61	168.8	132.6	198.8
98	65.2	50.2	75.4



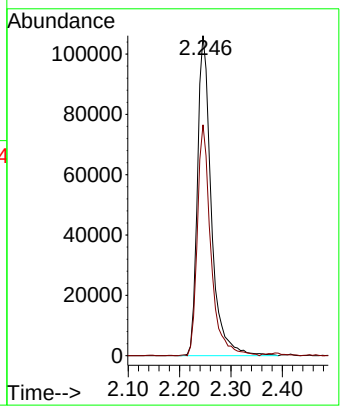


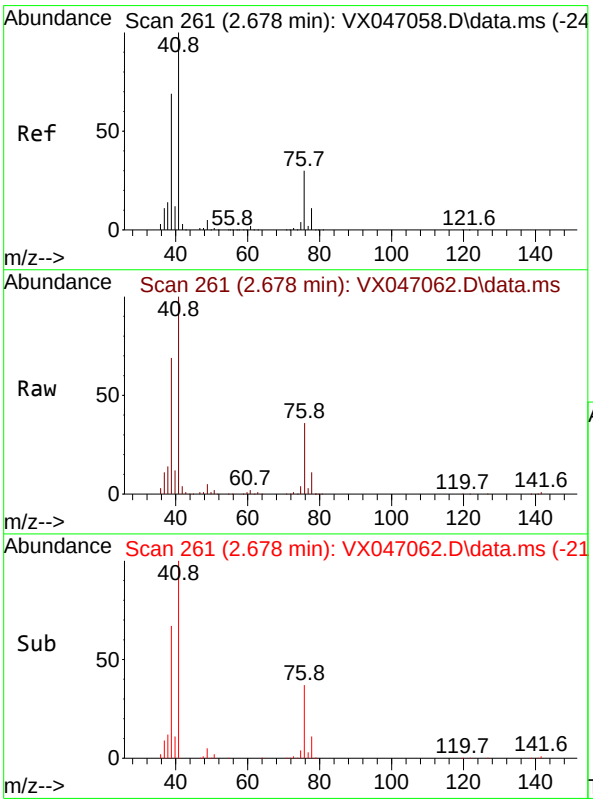
#13
Acrolein
Concen: 208.477 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 56 Resp: 197909

Ion	Ratio	Lower	Upper
56	100		
55	70.5	55.7	83.5

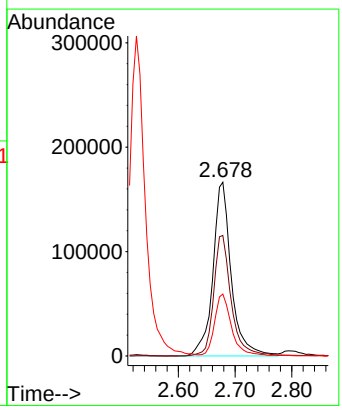


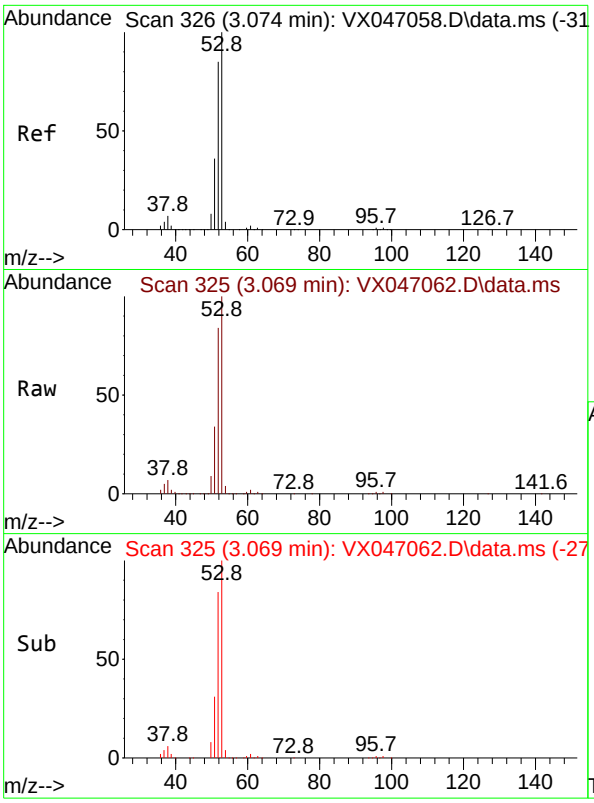


#14
Allyl chloride
Concen: 46.743 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 41 Resp: 375824

Ion	Ratio	Lower	Upper
41	100		
39	66.4	52.6	78.8
76	32.7	25.7	38.5



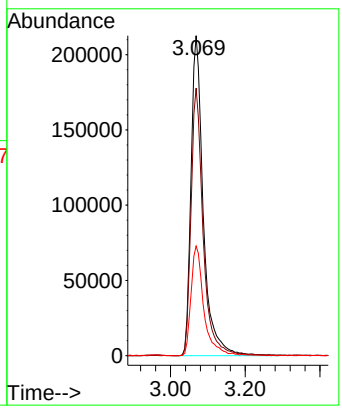


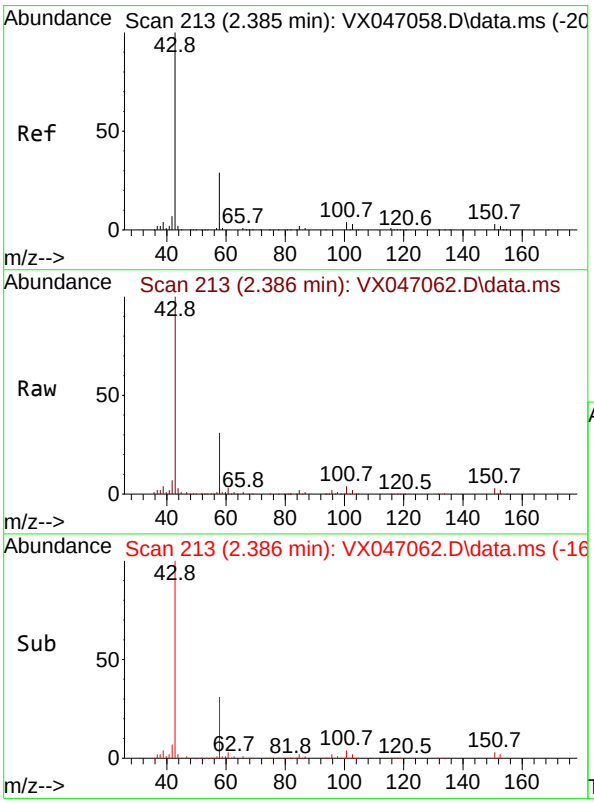
#15
Acrylonitrile
Concen: 230.845 ug/l
RT: 3.069 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 53 Resp: 485401

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	36.0	28.8	43.2

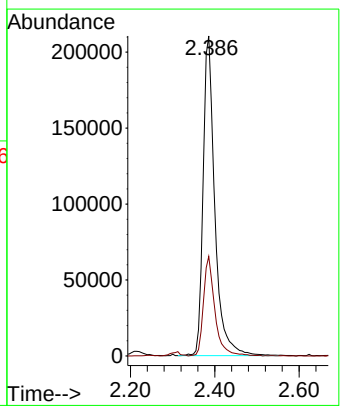


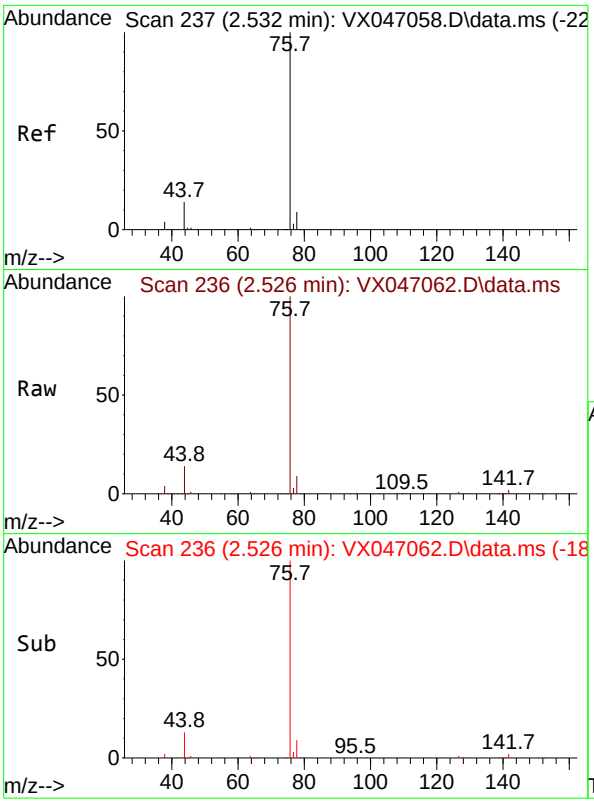


#16
Acetone
Concen: 230.823 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 43 Resp: 407681

Ion	Ratio	Lower	Upper
43	100		
58	32.5	24.0	36.0



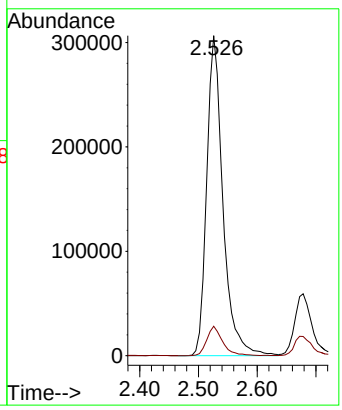


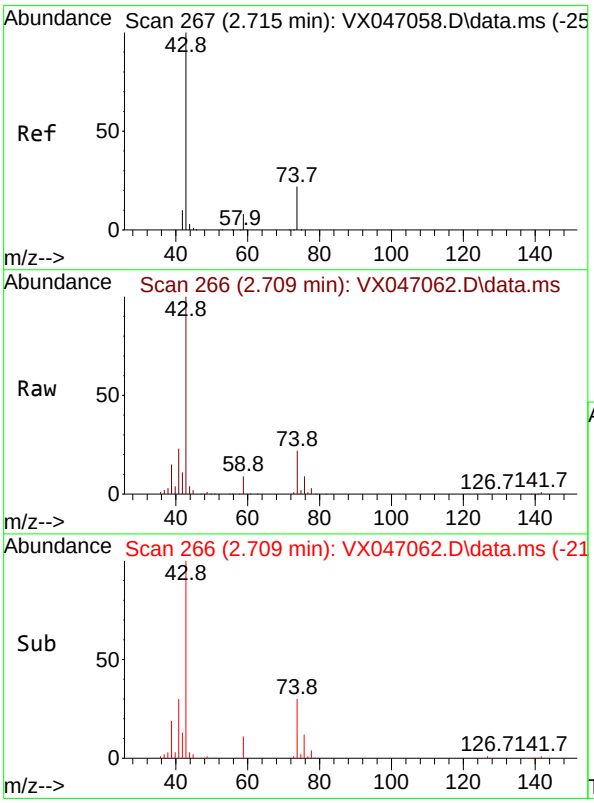
#17
Carbon Disulfide
Concen: 45.742 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 76 Resp: 588590

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

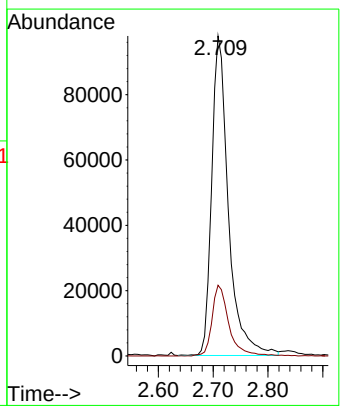


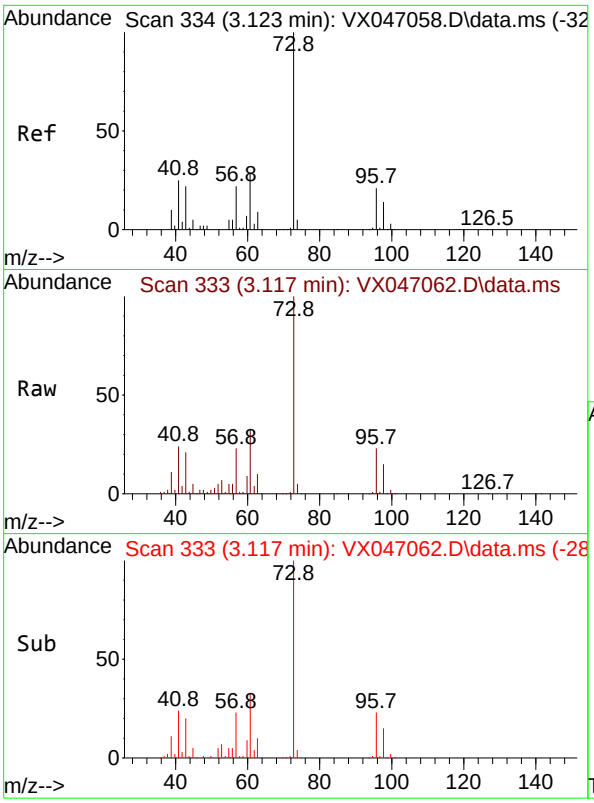


#18
Methyl Acetate
Concen: 44.045 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 43 Resp: 206733

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.7	26.5



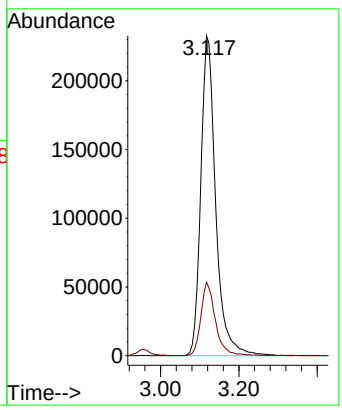


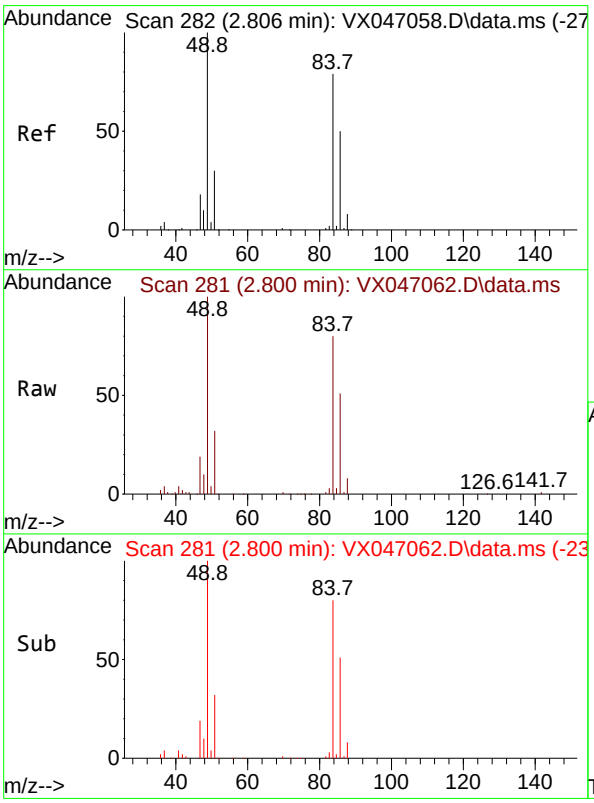
#19
Methyl tert-butyl Ether
Concen: 45.291 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 73 Resp: 613097

Ion	Ratio	Lower	Upper
73	100		
57	22.9	17.7	26.5

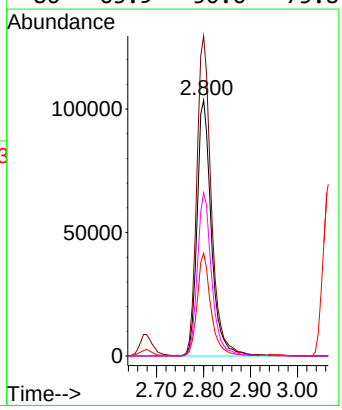


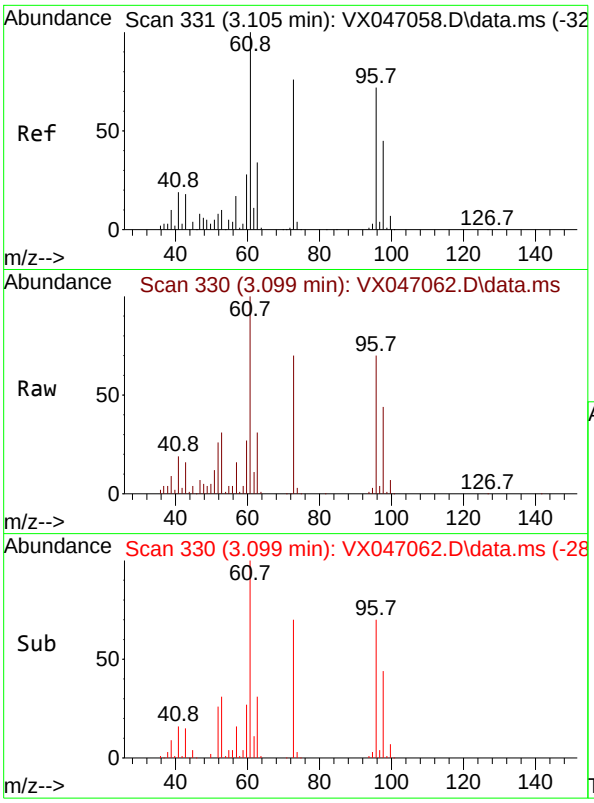


#20
Methylene Chloride
Concen: 45.041 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 84 Resp: 218853

Ion	Ratio	Lower	Upper
84	100		
49	124.9	101.6	152.4
51	40.2	30.3	45.5
86	63.9	50.6	75.8



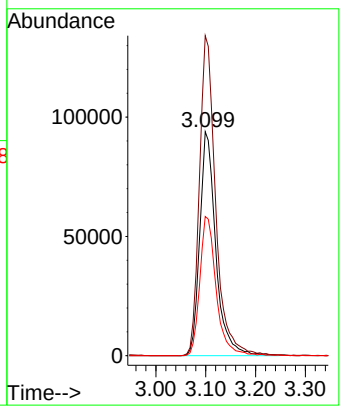


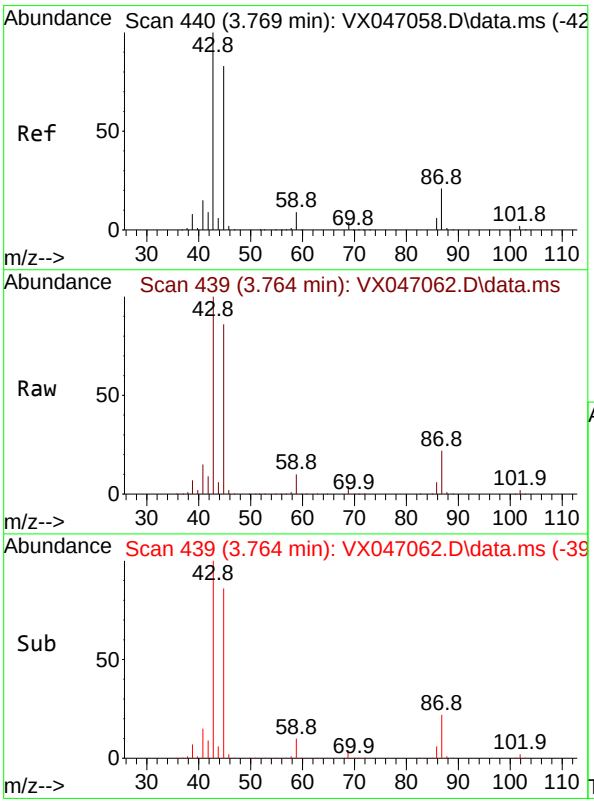
#21
trans-1,2-Dichloroethene
Concen: 46.188 ug/l
RT: 3.099 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 96 Resp: 210229

Ion	Ratio	Lower	Upper
96	100		
61	142.8	111.1	166.7
98	62.1	49.6	74.4

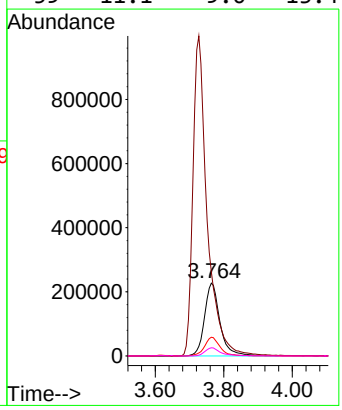


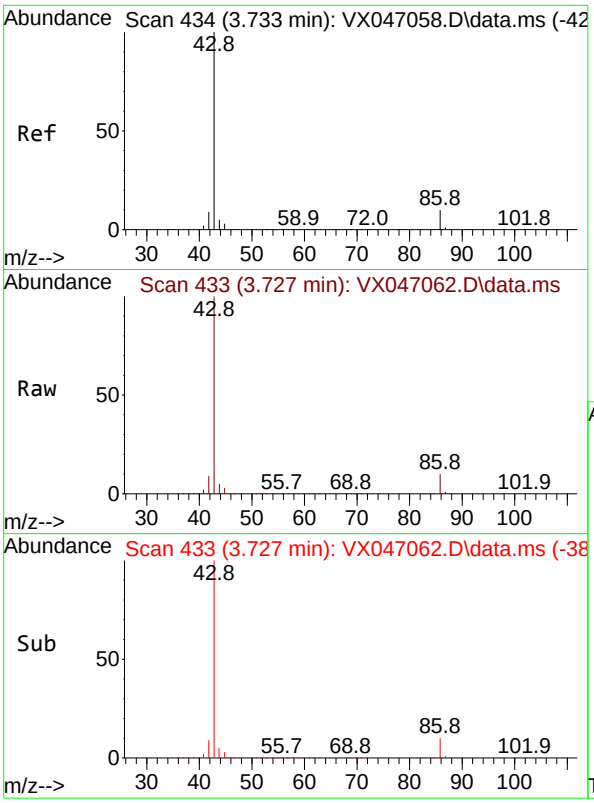


#22
Diisopropyl ether
Concen: 46.119 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 45 Resp: 712919

Ion	Ratio	Lower	Upper
45	100		
43	115.6	96.8	145.2
87	25.8	20.5	30.7
59	11.1	9.0	13.4



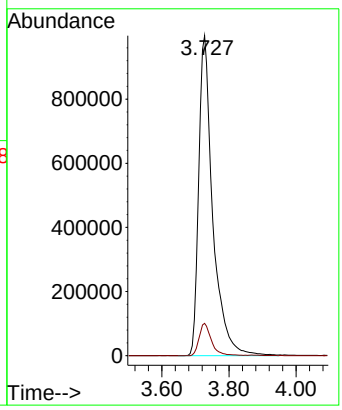


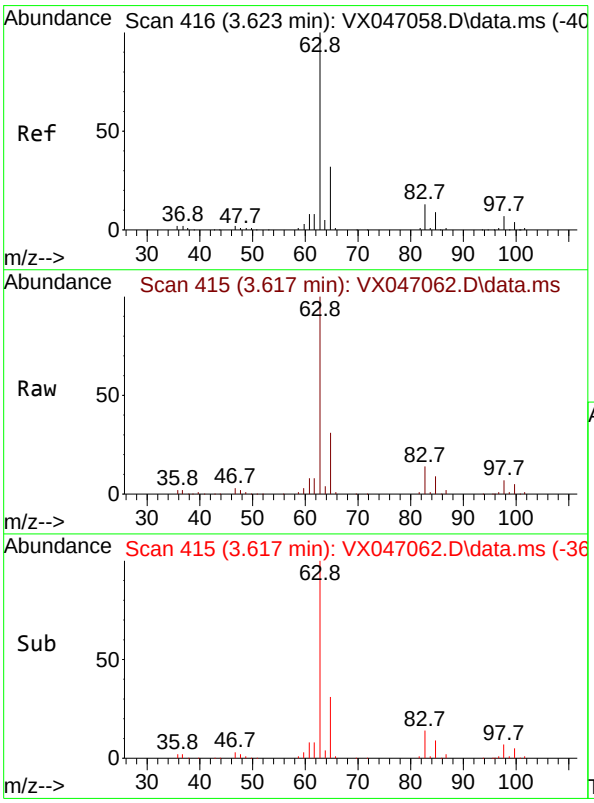
#23
Vinyl Acetate
Concen: 233.940 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 43 Resp: 2900485

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

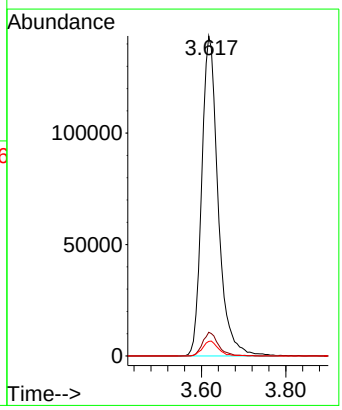


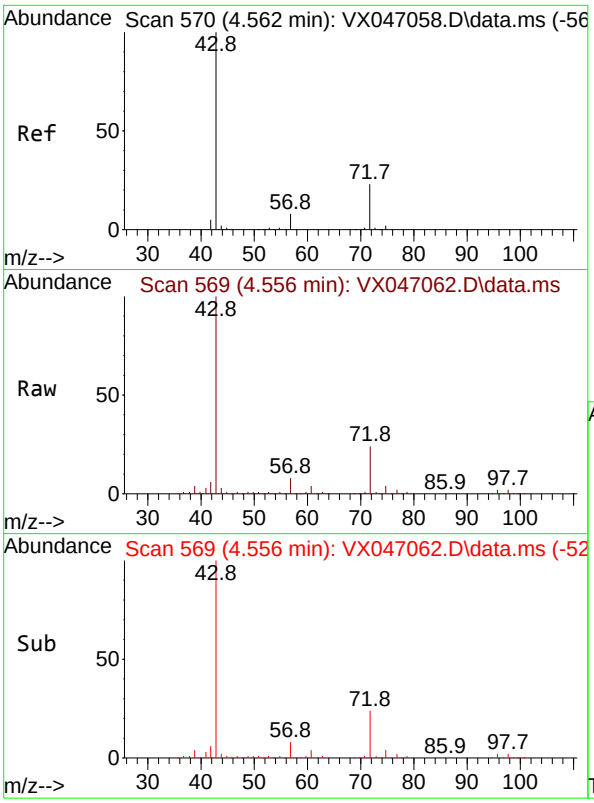


#24
1,1-Dichloroethane
Concen: 45.165 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 63 Resp: 388232

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.5	2.3	6.8



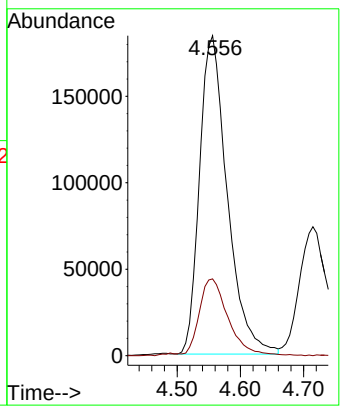


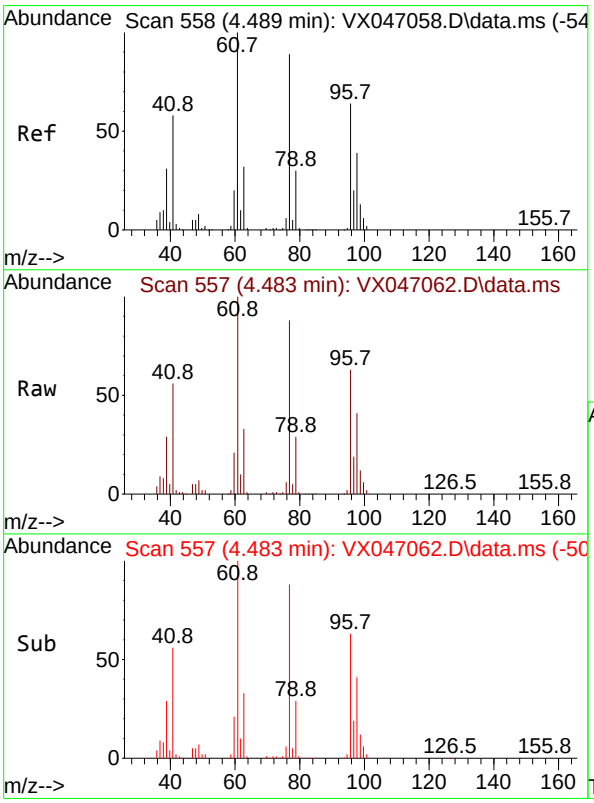
#25
2-Butanone
Concen: 218.892 ug/l
RT: 4.556 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 43 Resp: 562934

Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.8	28.2

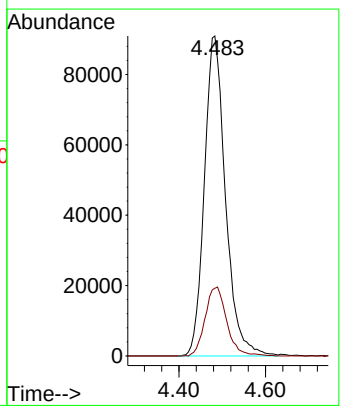


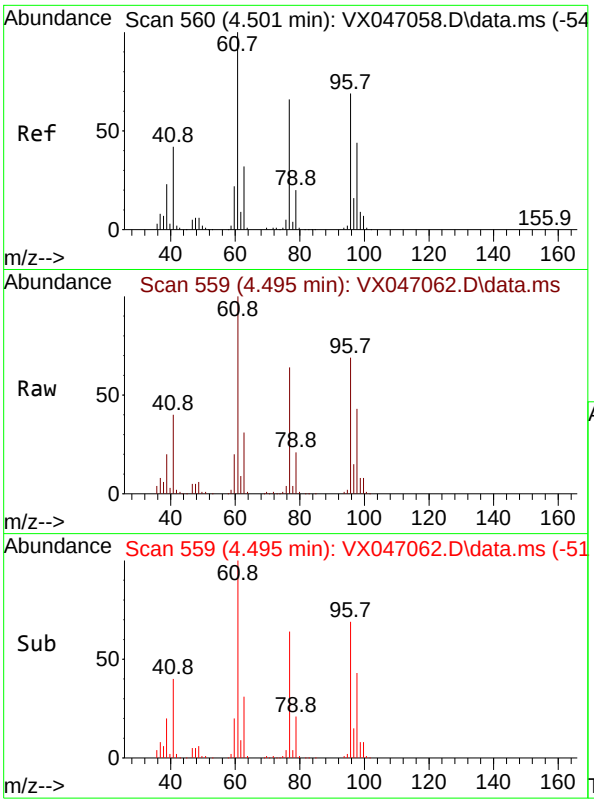


#26
2,2-Dichloropropane
Concen: 46.290 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 77 Resp: 308018

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.4	34.1



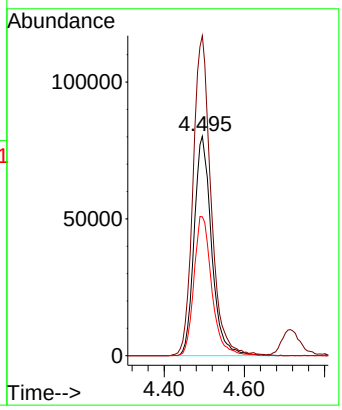


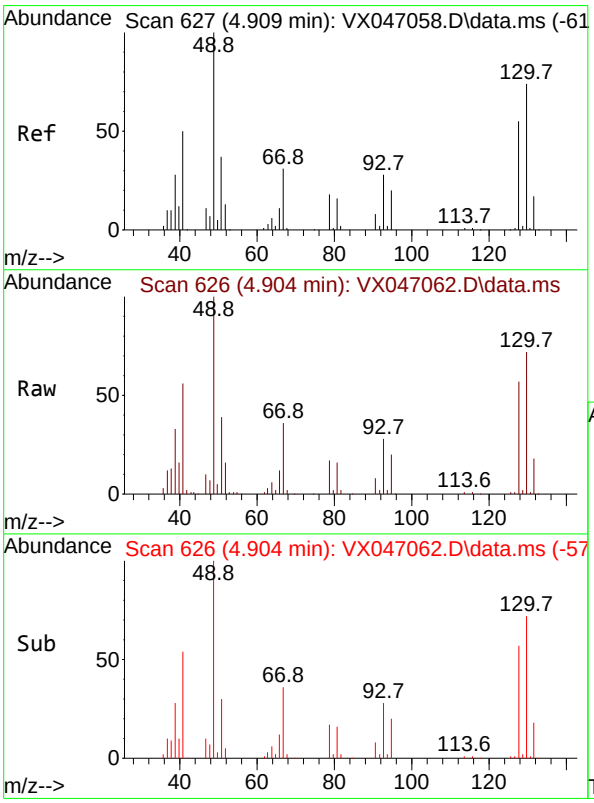
#27
cis-1,2-Dichloroethene
Concen: 44.906 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 96 Resp: 242036

Ion	Ratio	Lower	Upper
96	100		
61	150.3	0.0	298.6
98	64.8	0.0	128.8

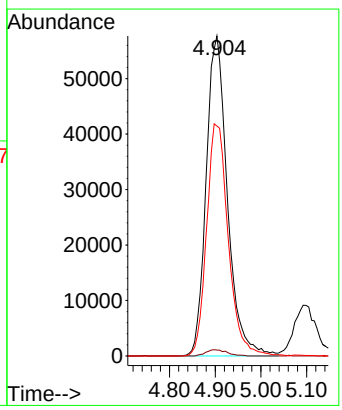


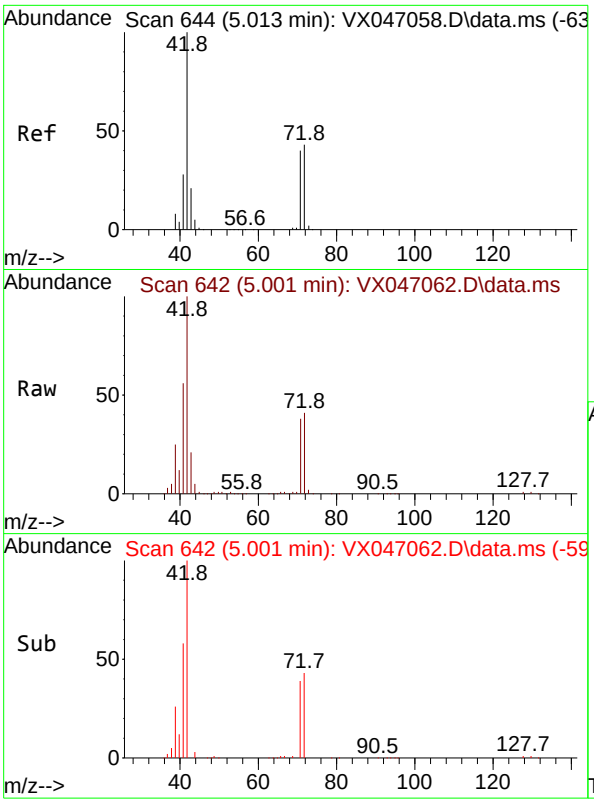


#28
Bromochloromethane
Concen: 47.168 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 49 Resp: 186533

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.9	59.0	88.4



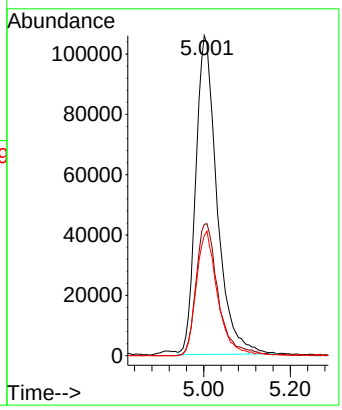


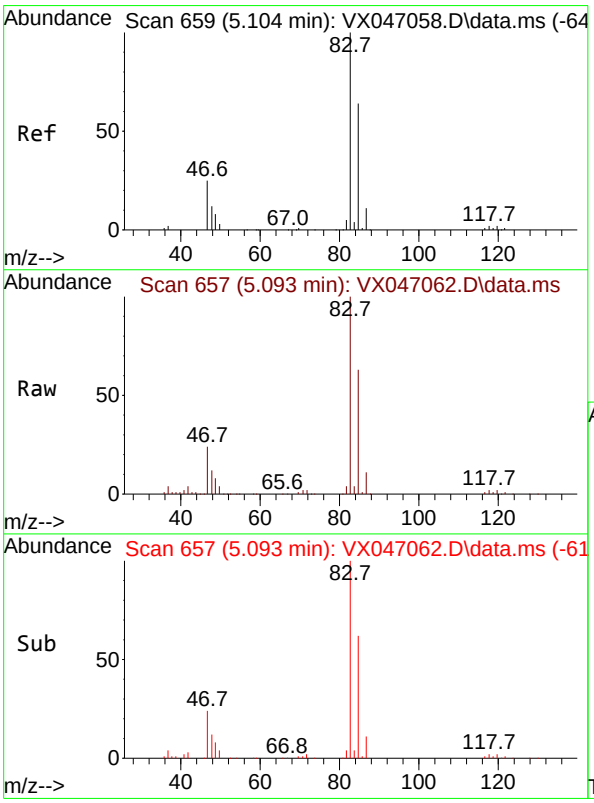
#29
Tetrahydrofuran
Concen: 217.460 ug/l
RT: 5.001 min Scan# 64
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 42 Resp: 360837

Ion	Ratio	Lower	Upper
42	100		
72	43.1	33.7	50.5
71	39.5	31.0	46.4

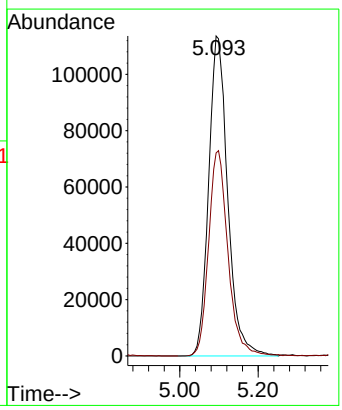


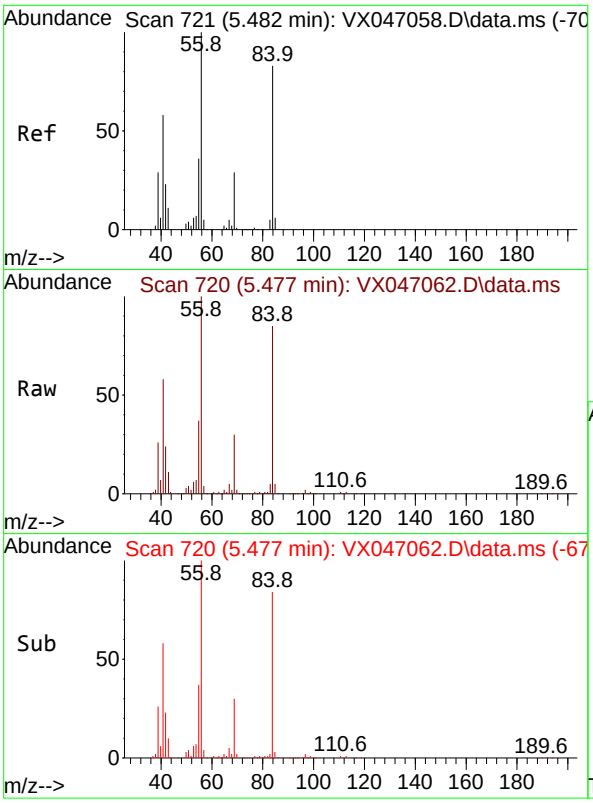


#30
Chloroform
Concen: 43.731 ug/l
RT: 5.093 min Scan# 657
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 83 Resp: 382651

Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.9	76.3



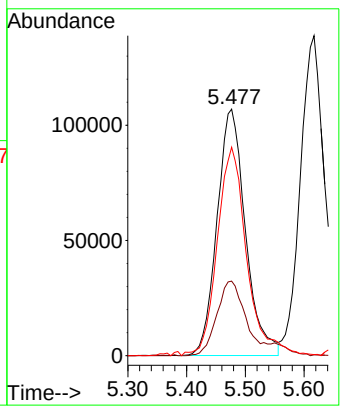


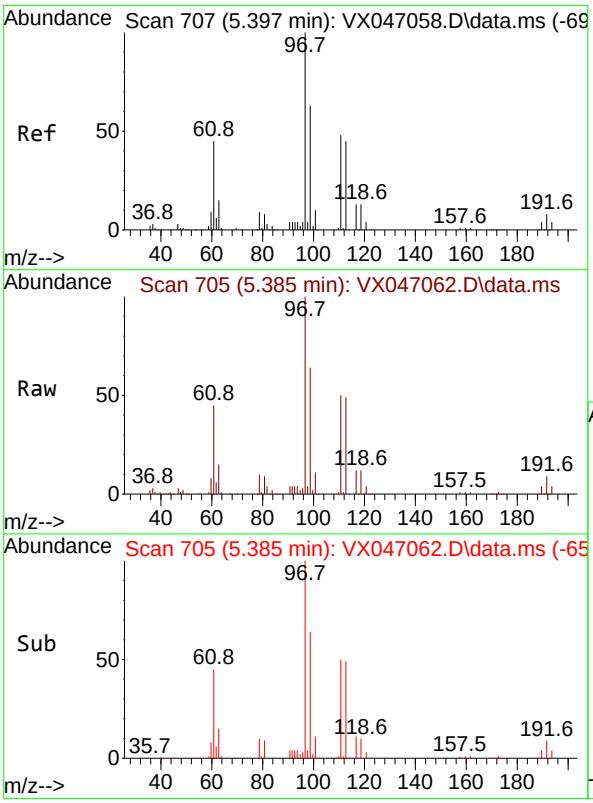
#31
Cyclohexane
Concen: 43.618 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 56 Resp: 359502

Ion	Ratio	Lower	Upper
56	100		
69	30.2	23.3	34.9
84	82.9	66.5	99.7

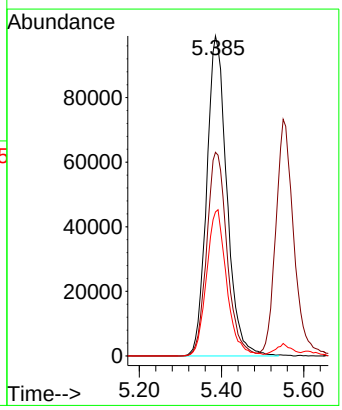


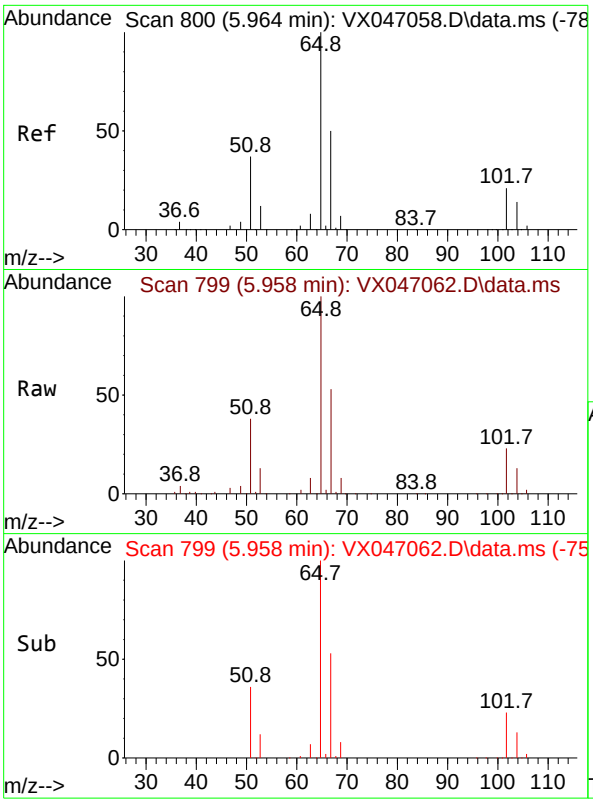


#32
1,1,1-Trichloroethane
Concen: 44.331 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 97 Resp: 336918

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	45.8	37.1	55.7



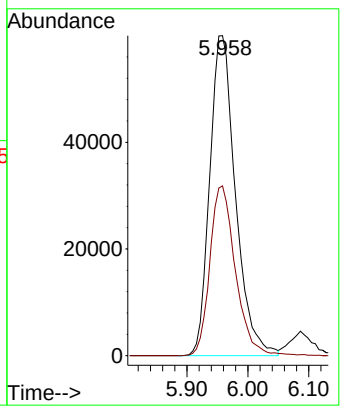


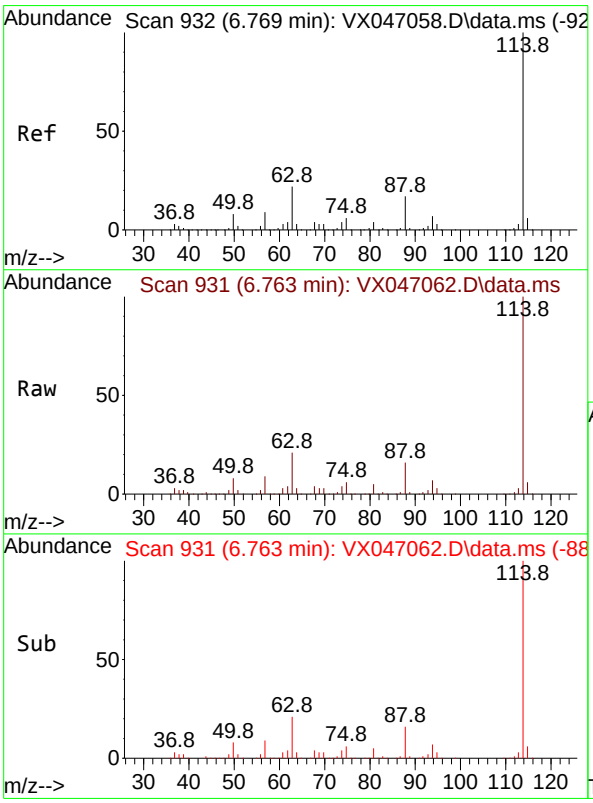
#33
1,2-Dichloroethane-d4
Concen: 40.022 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 65 Resp: 176451

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.8

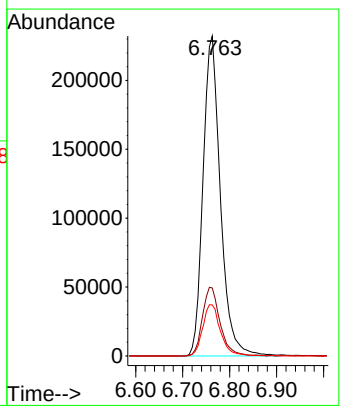


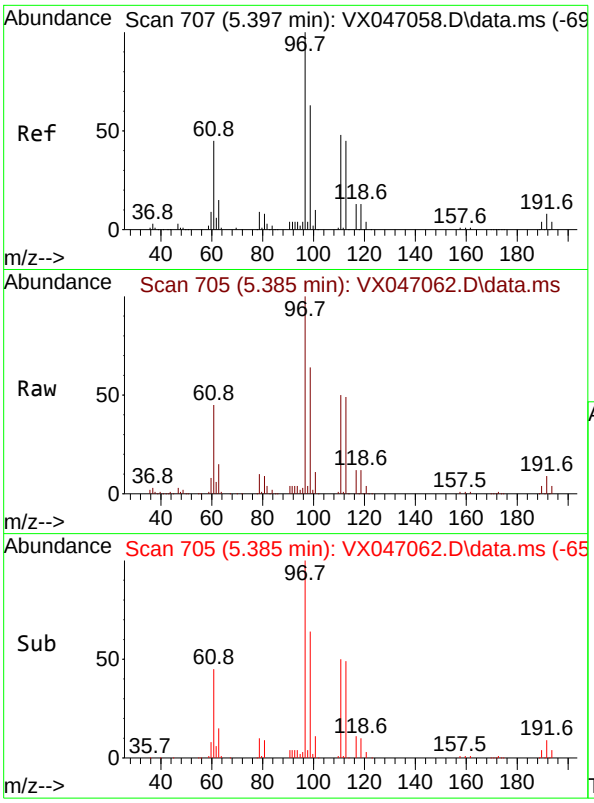


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:114 Resp: 594788

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.2
88	15.9	0.0	33.8



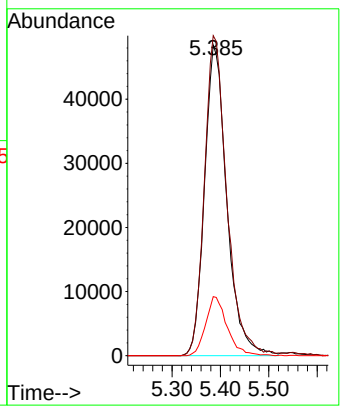


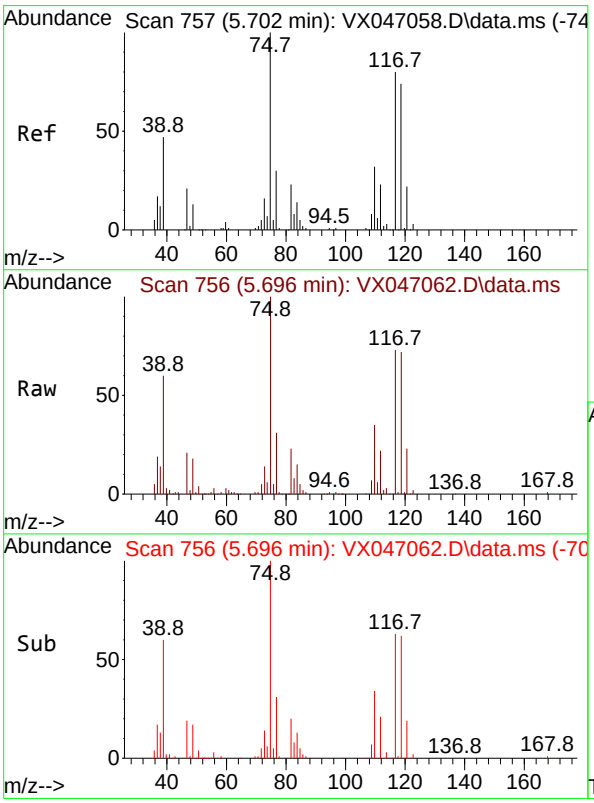
#35
Dibromofluoromethane
Concen: 42.247 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:113 Resp: 155150

Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.6	124.0
192	18.3	14.9	22.3

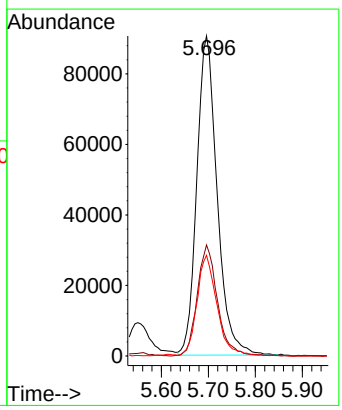


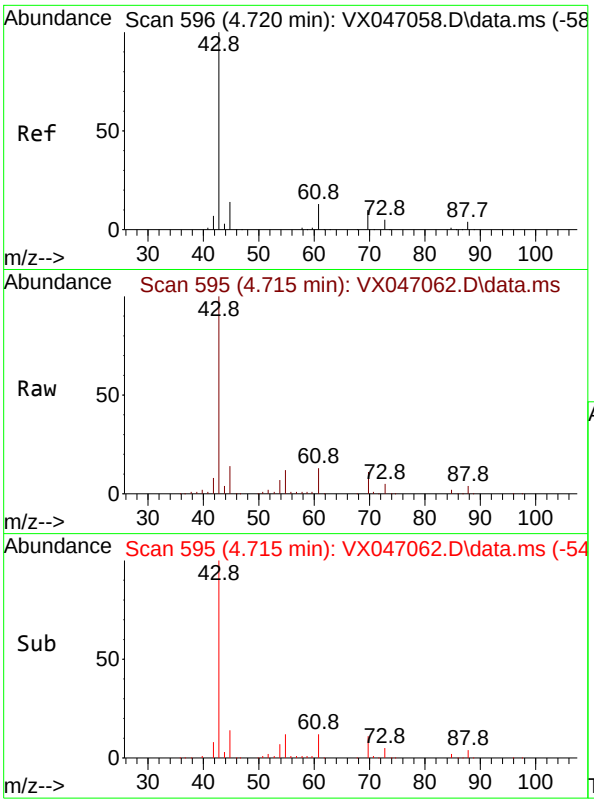


#36
1,1-Dichloropropene
Concen: 43.463 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 75 Resp: 272074

Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.2	51.5
77	30.6	25.1	37.7



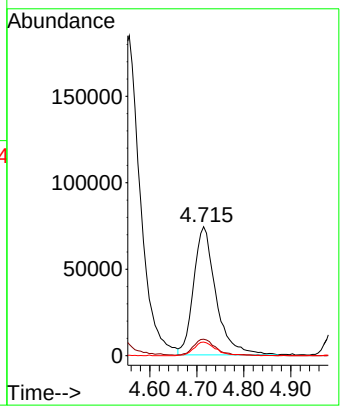


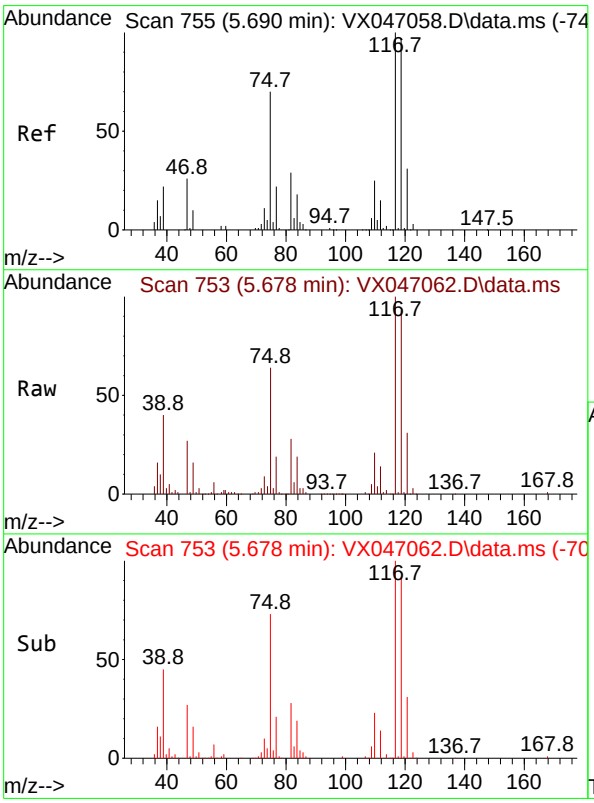
#37
Ethyl Acetate
Concen: 42.381 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 43 Resp: 244468

Ion	Ratio	Lower	Upper
43	100		
61	12.4	10.2	15.2
70	10.7	8.1	12.1

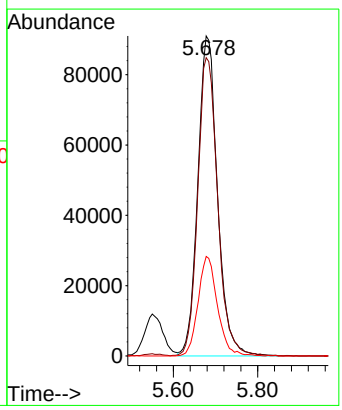


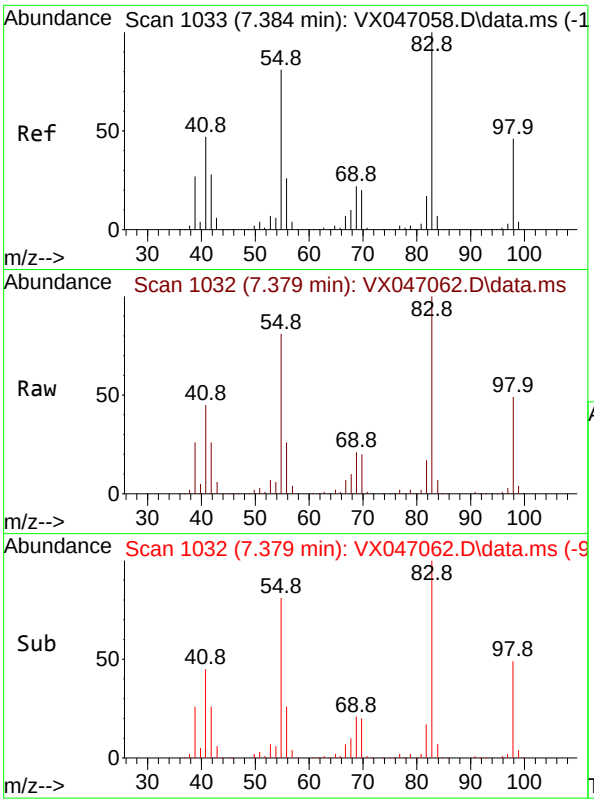


#38
Carbon Tetrachloride
Concen: 44.259 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:117 Resp: 295708

Ion	Ratio	Lower	Upper
117	100		
119	93.1	76.6	115.0
121	31.1	24.4	36.6



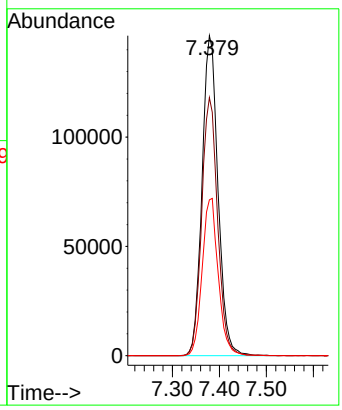


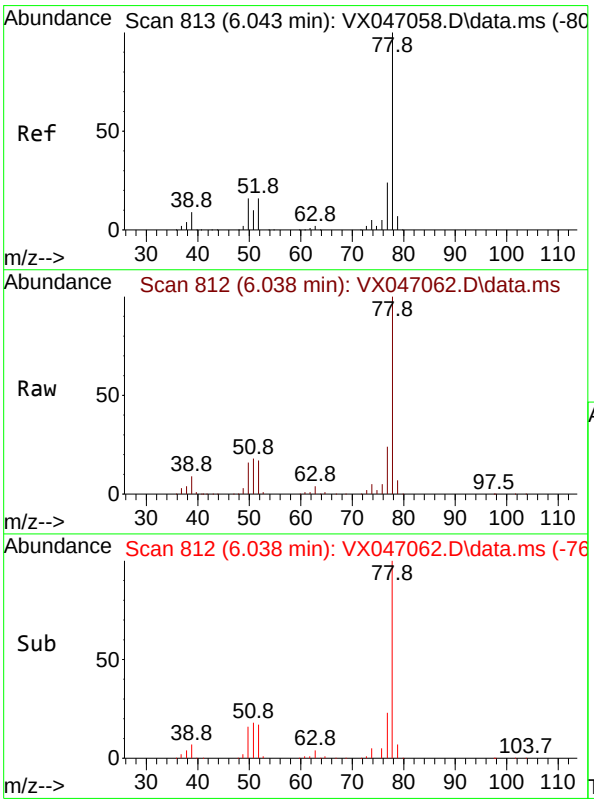
#39
Methylcyclohexane
Concen: 44.136 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 83 Resp: 344962

Ion	Ratio	Lower	Upper
83	100		
55	80.7	64.5	96.7
98	48.7	36.9	55.3

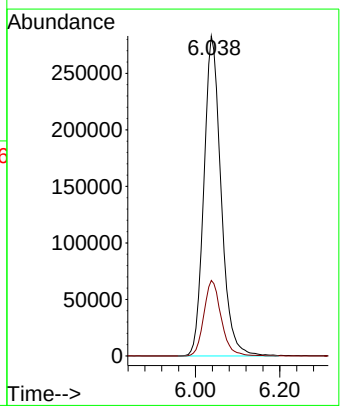


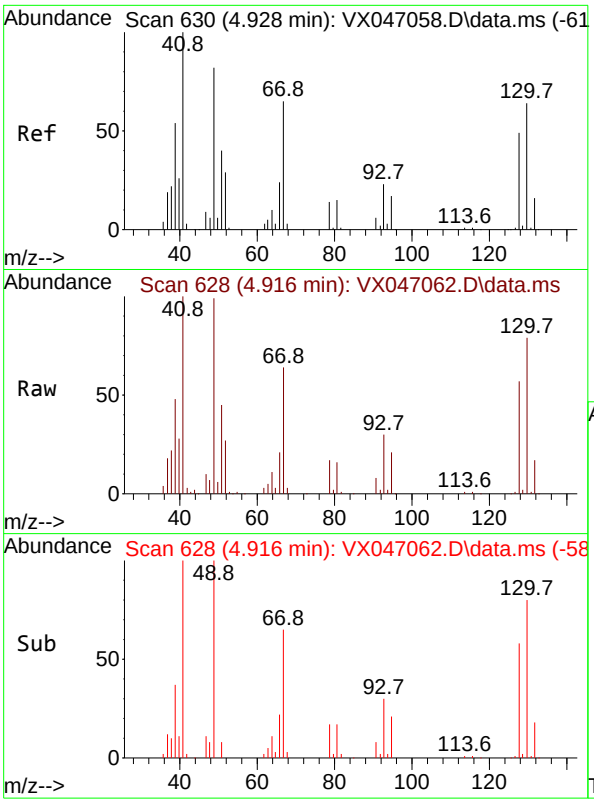


#40
Benzene
Concen: 44.304 ug/l
RT: 6.038 min Scan# 812
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 78 Resp: 802625

Ion	Ratio	Lower	Upper
78	100		
77	23.6	19.0	28.4



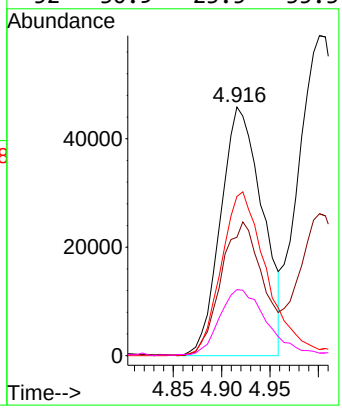


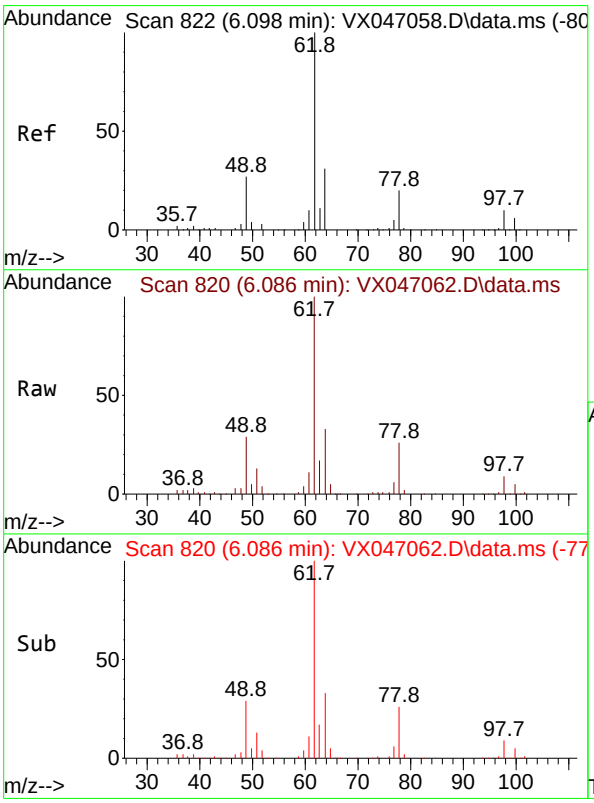
#41
Methacrylonitrile
Concen: 45.816 ug/l
RT: 4.916 min Scan# 6
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 41 Resp: 138183

Ion	Ratio	Lower	Upper
41	100		
39	53.7	44.2	66.2
67	73.0	56.4	84.6
52	30.9	23.5	35.3

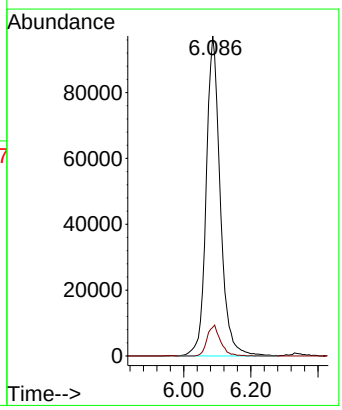


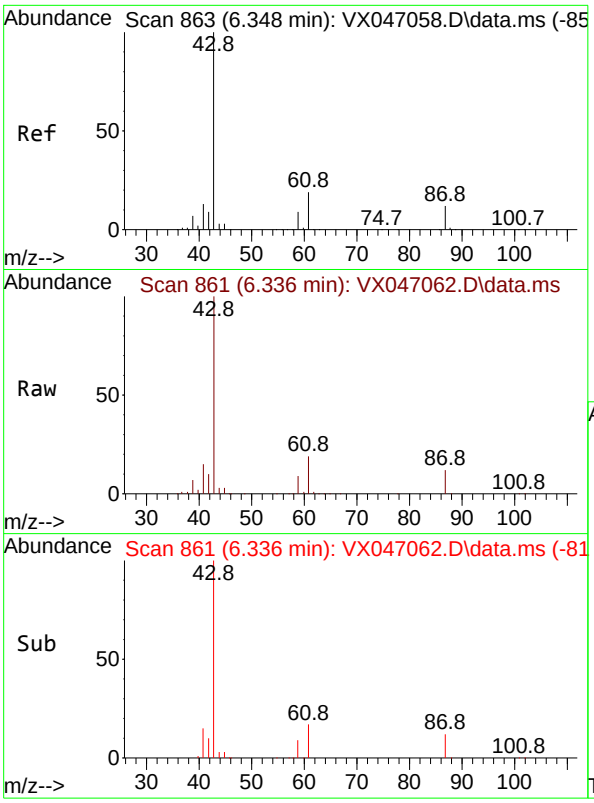


#42
1,2-Dichloroethane
Concen: 44.378 ug/l
RT: 6.086 min Scan# 820
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 62 Resp: 283205

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8



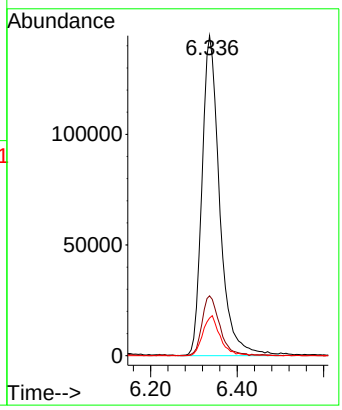


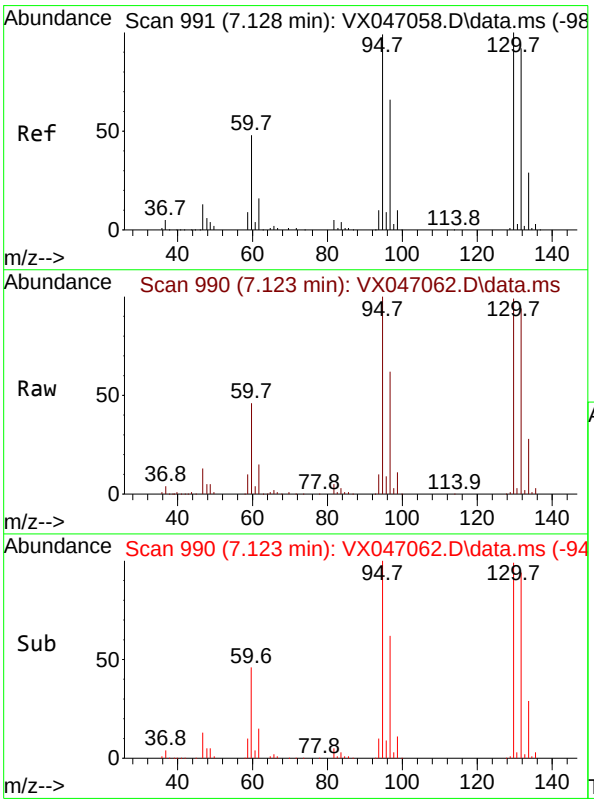
#43
Isopropyl Acetate
Concen: 45.564 ug/l
RT: 6.336 min Scan# 8
Delta R.T. -0.012 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 43 Resp: 409733

Ion	Ratio	Lower	Upper
43	100		
61	18.6	15.1	22.7
87	12.3	9.7	14.5

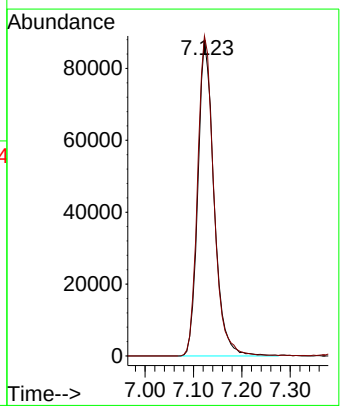


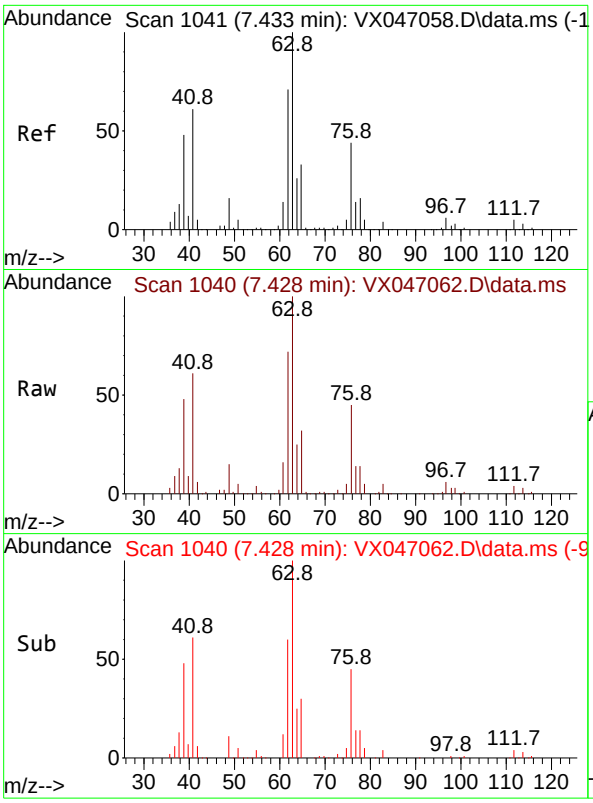


#44
Trichloroethene
Concen: 43.658 ug/l
RT: 7.123 min Scan# 990
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:130 Resp: 202817

Ion	Ratio	Lower	Upper
130	100		
95	101.2	0.0	198.6



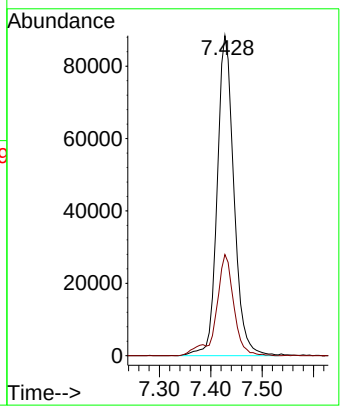


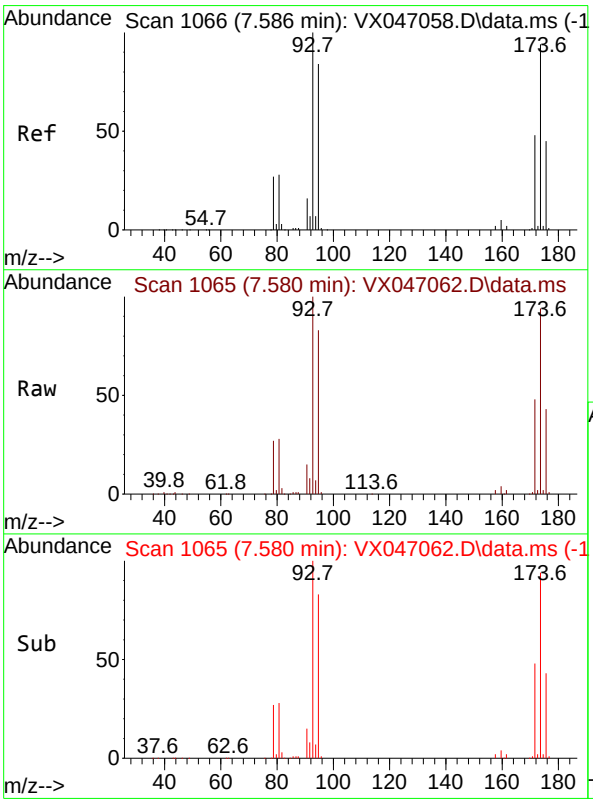
#45
1,2-Dichloropropane
Concen: 44.093 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 63 Resp: 200065

Ion	Ratio	Lower	Upper
63	100		
65	31.6	26.3	39.5

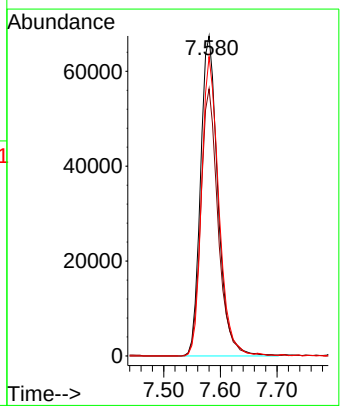


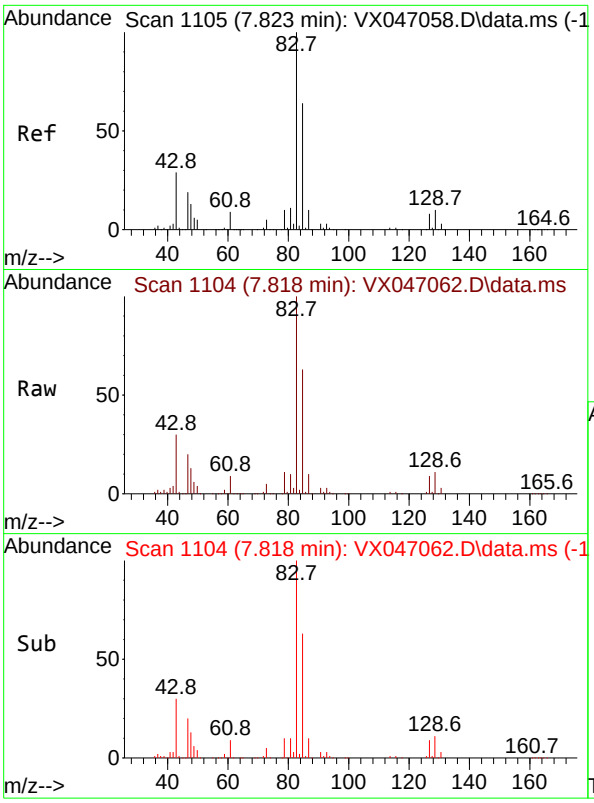


#46
Dibromomethane
Concen: 45.121 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 93 Resp: 143569

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.9	98.9
174	92.1	74.6	112.0



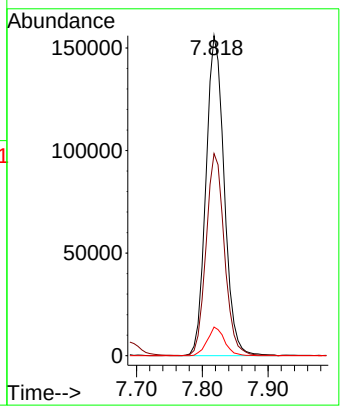


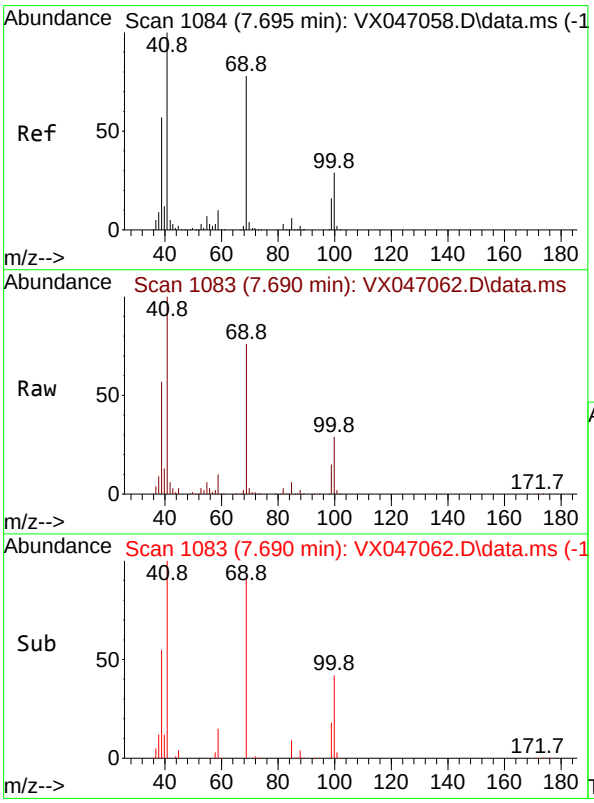
#47
Bromodichloromethane
Concen: 44.463 ug/l
RT: 7.818 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 83 Resp: 301133

Ion	Ratio	Lower	Upper
83	100		
85	63.2	49.9	74.9
127	8.9	6.6	10.0

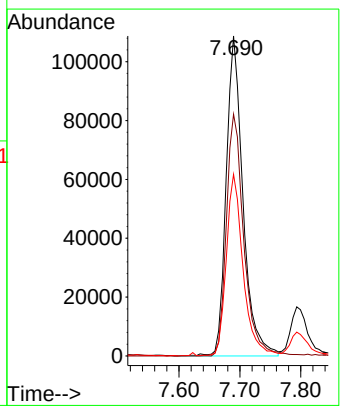


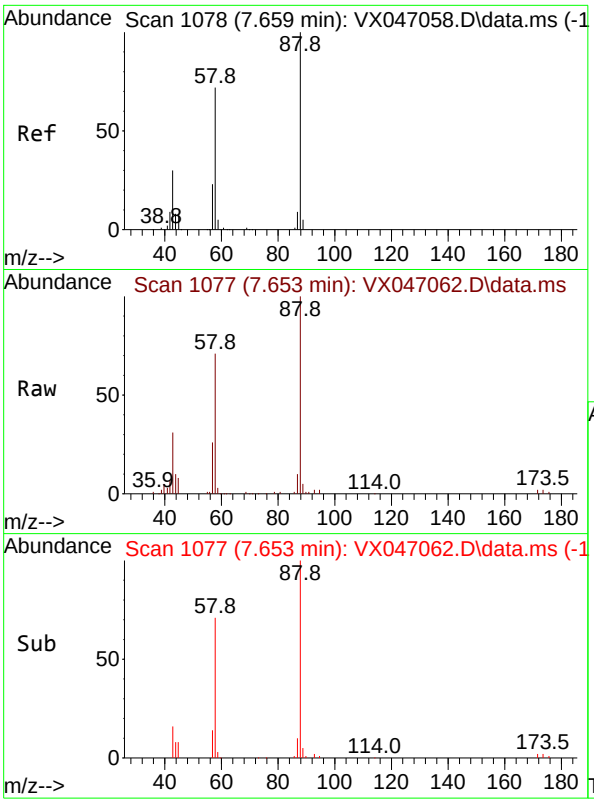


#48
Methyl methacrylate
Concen: 42.505 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 41 Resp: 208228

Ion	Ratio	Lower	Upper
41	100		
69	78.4	62.3	93.5
39	56.5	44.8	67.2



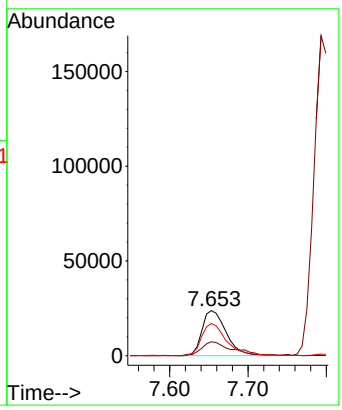


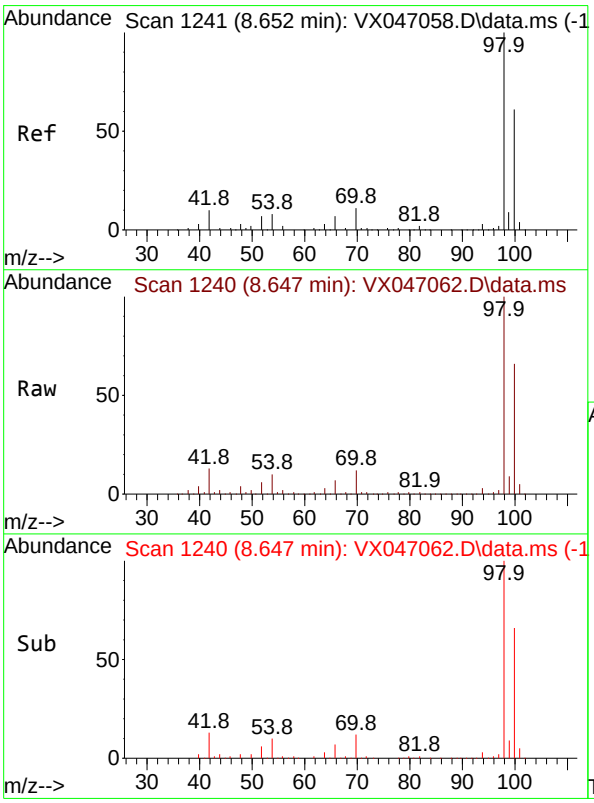
#49
1,4-Dioxane
Concen: 910.550 ug/l
RT: 7.653 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 88 Resp: 50734

Ion	Ratio	Lower	Upper
88	100		
43	40.4	33.6	50.4
58	73.8	58.8	88.2

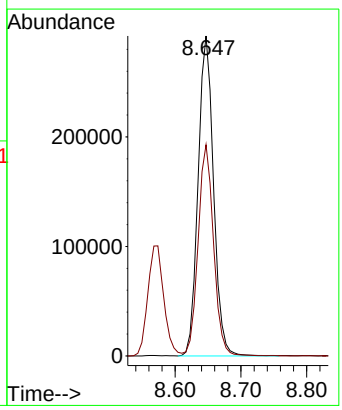


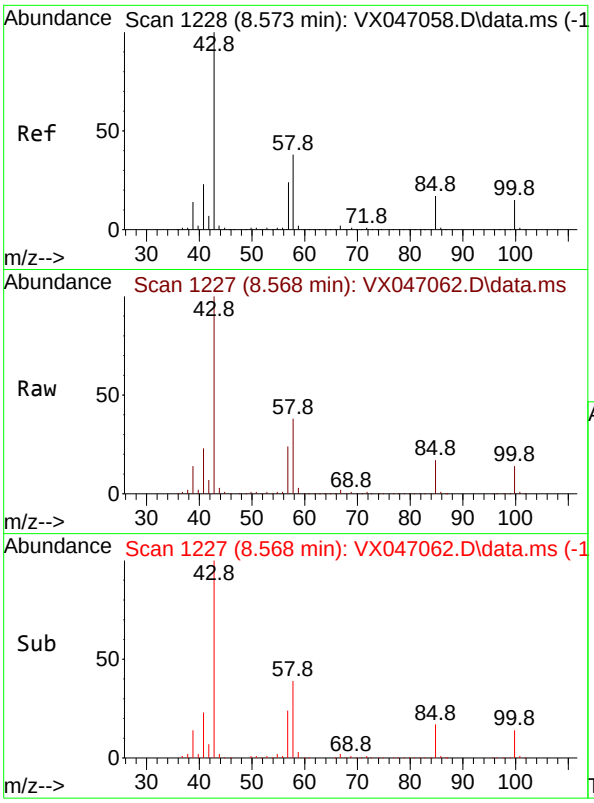


#50
Toluene-d8
Concen: 40.102 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 98 Resp: 476939

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.3	79.9



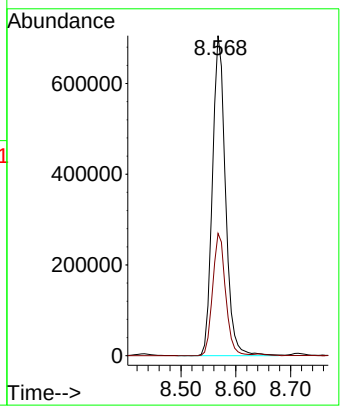


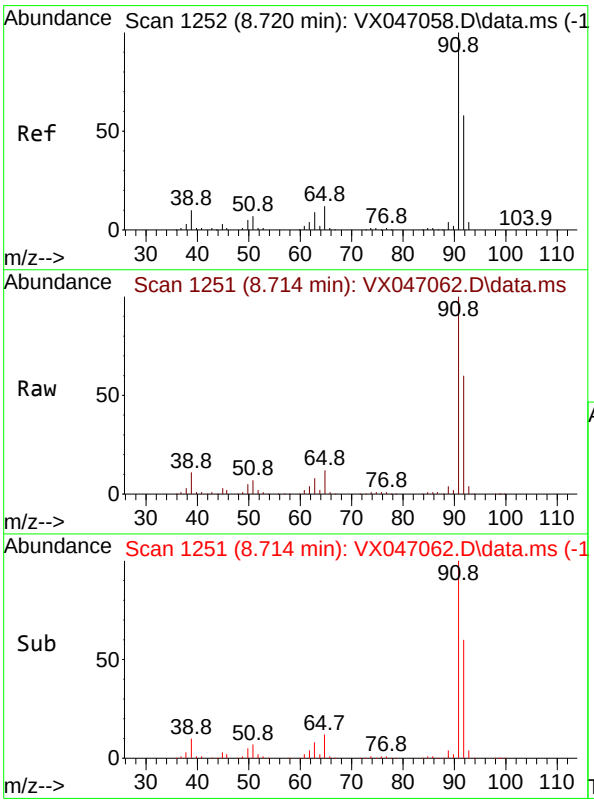
#51
4-Methyl-2-Pentanone
Concen: 217.774 ug/l
RT: 8.568 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 43 Resp: 1164013

Ion	Ratio	Lower	Upper
43	100		
58	37.9	30.6	45.8

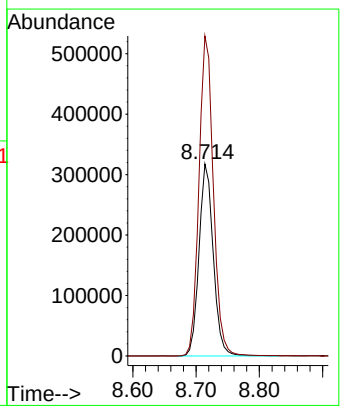


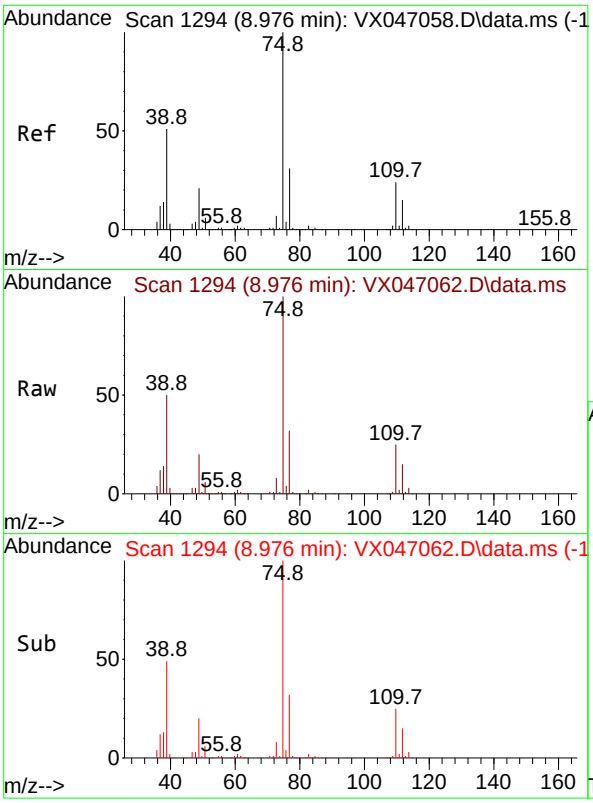


#52
Toluene
Concen: 44.778 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 92 Resp: 498799

Ion	Ratio	Lower	Upper
92	100		
91	168.3	137.9	206.9



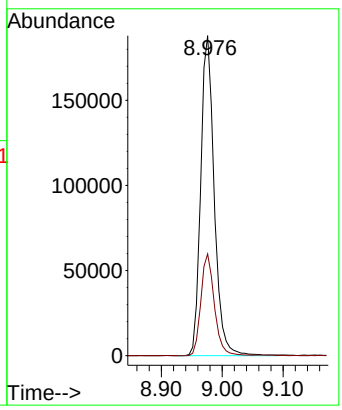


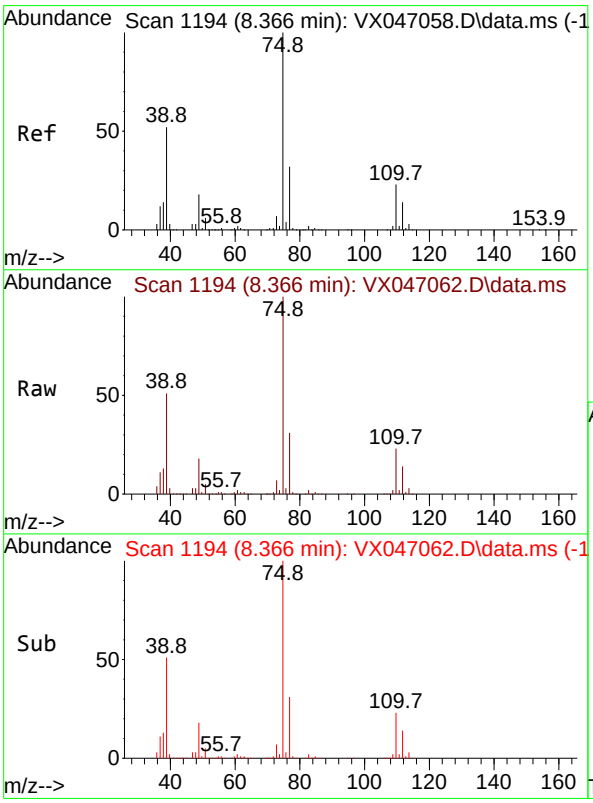
#53
t-1,3-Dichloropropene
Concen: 45.444 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 75 Resp: 290633

Ion	Ratio	Lower	Upper
75	100		
77	31.8	24.5	36.7

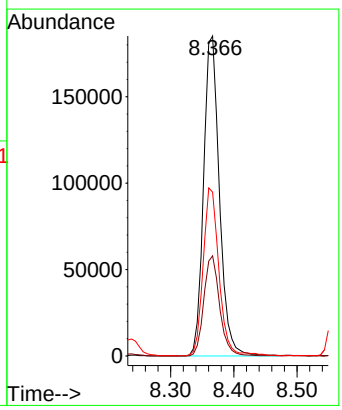


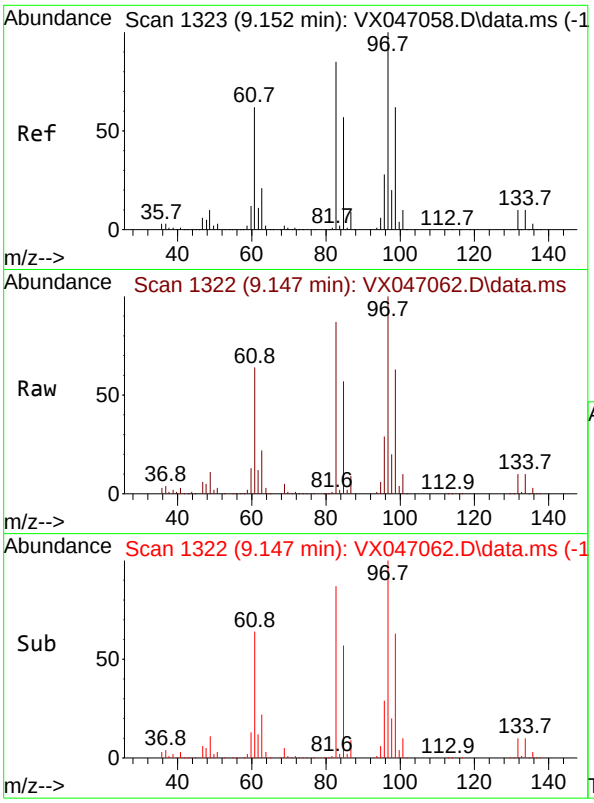


#54
cis-1,3-Dichloropropene
Concen: 46.140 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 75 Resp: 322967

Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.4	38.0
39	50.6	41.8	62.6



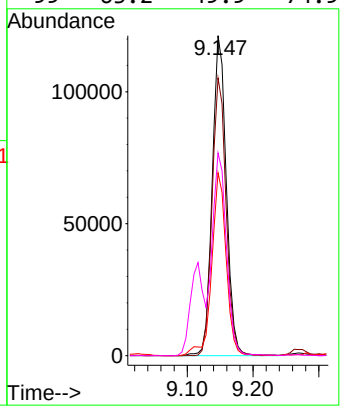


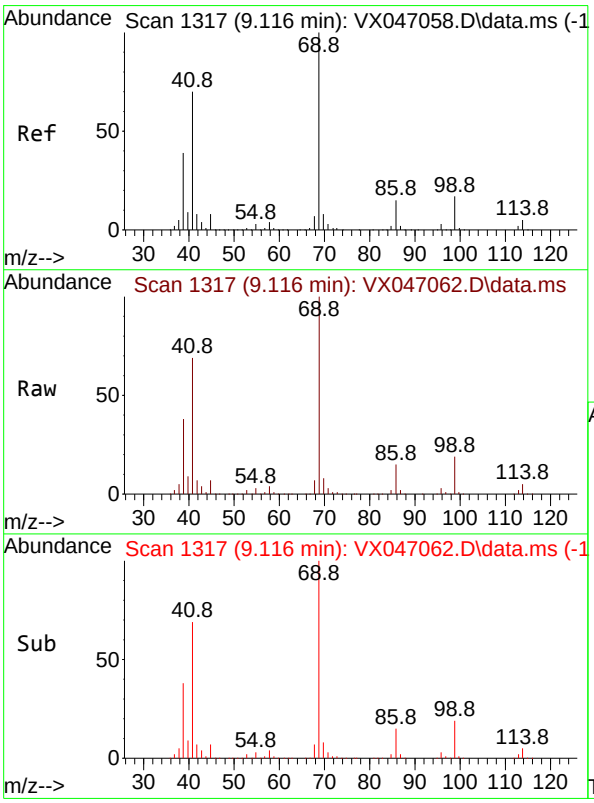
#55
1,1,2-Trichloroethane
Concen: 43.270 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 97 Resp: 180762

Ion	Ratio	Lower	Upper
97	100		
83	86.8	68.0	102.0
85	57.1	45.2	67.8
99	63.2	49.9	74.9

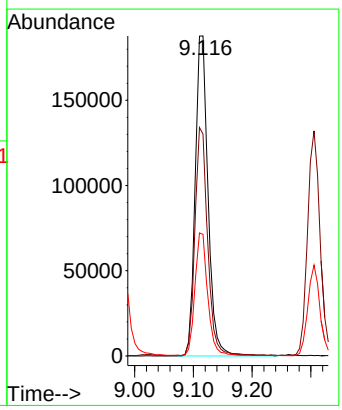


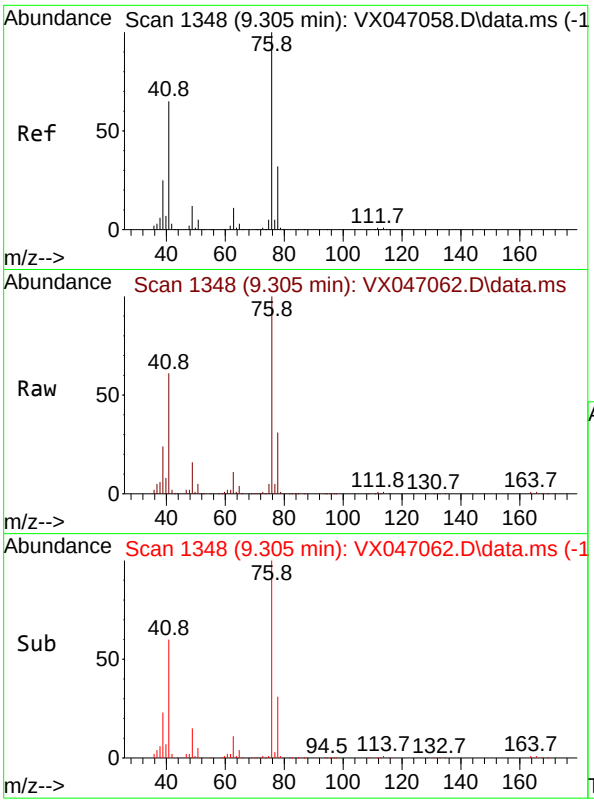


#56
Ethyl methacrylate
Concen: 46.334 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 69 Resp: 286552

Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.1	84.1
39	38.3	31.1	46.7



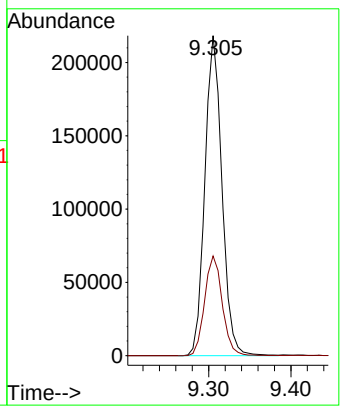


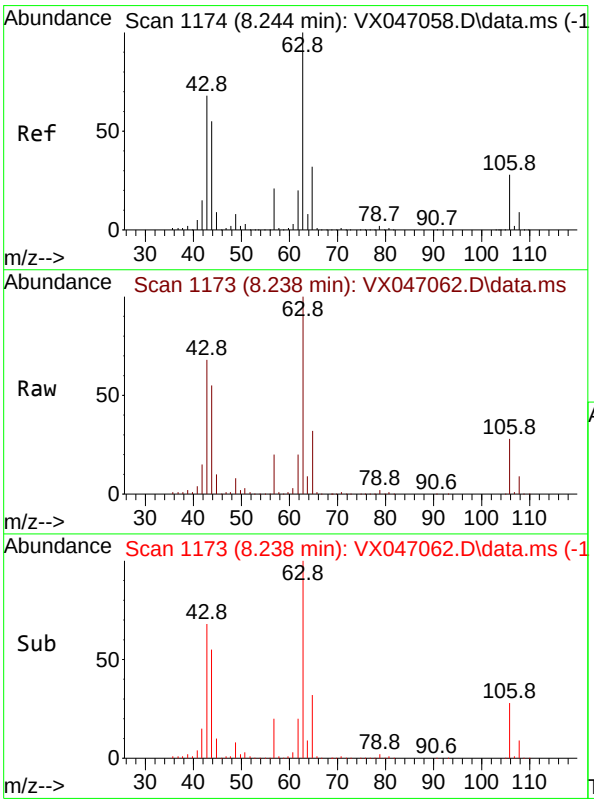
#57
1,3-Dichloropropane
Concen: 43.350 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 76 Resp: 314736

Ion	Ratio	Lower	Upper
76	100		
78	32.3	25.5	38.3

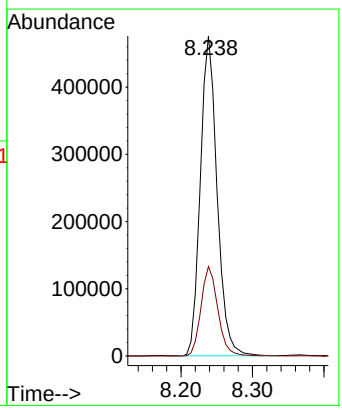


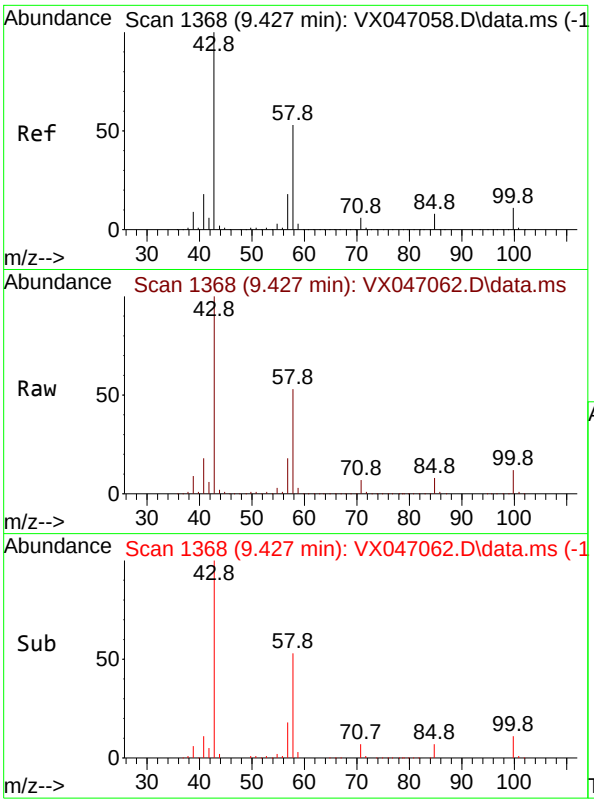


#58
2-Chloroethyl Vinyl ether
Concen: 225.188 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 63 Resp: 774980

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.2	33.4



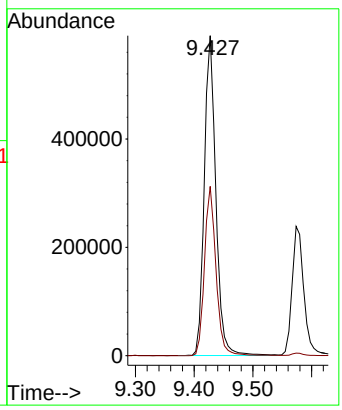


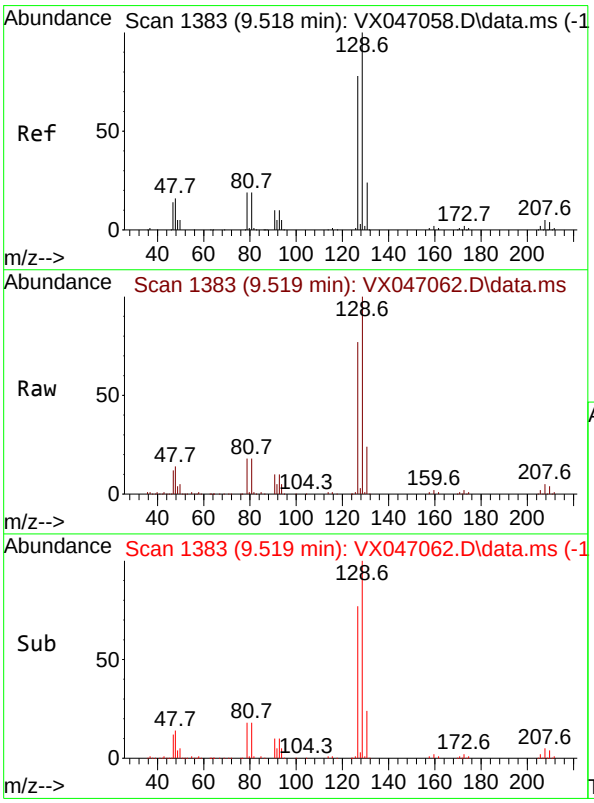
#59
2-Hexanone
Concen: 228.755 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 43 Resp: 807822

Ion	Ratio	Lower	Upper
43	100		
58	52.8	26.5	79.5

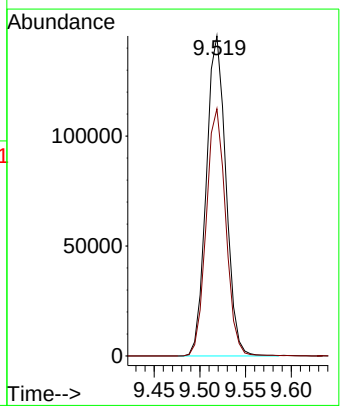


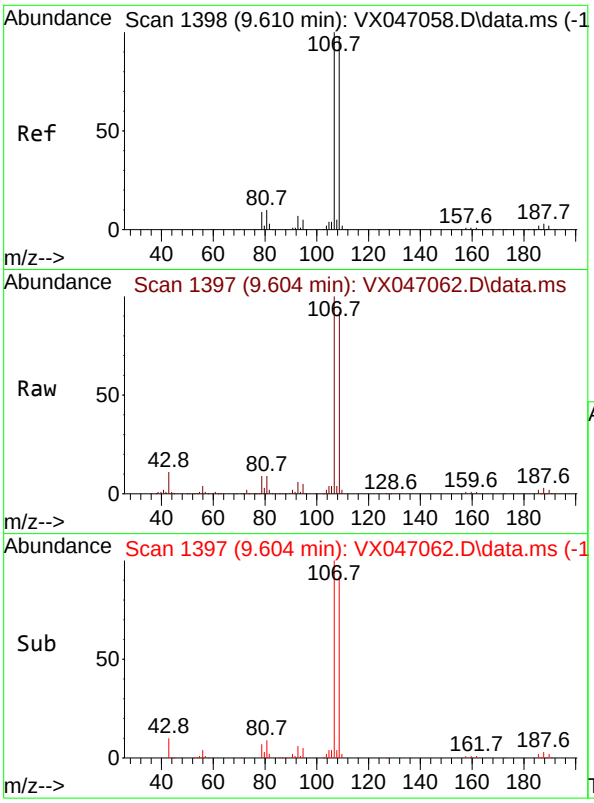


#60
Dibromochloromethane
Concen: 44.239 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:129 Resp: 216749

Ion	Ratio	Lower	Upper
129	100		
127	76.8	38.6	115.8



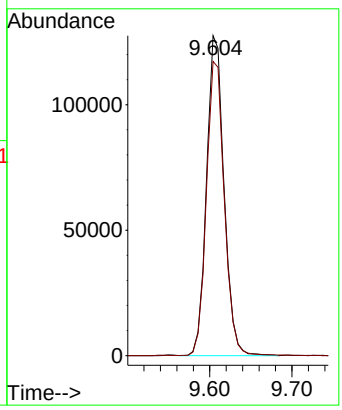


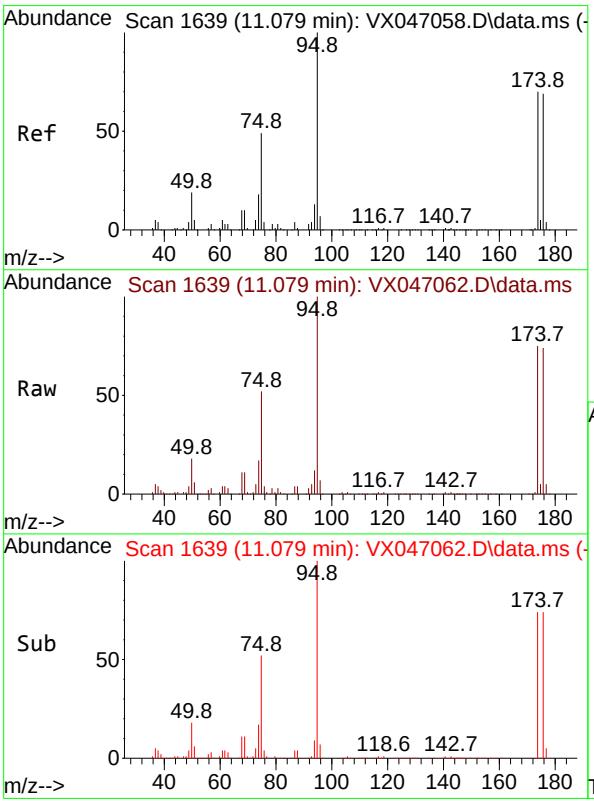
#61
1,2-Dibromoethane
Concen: 43.202 ug/l
RT: 9.604 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:107 Resp: 188713

Ion	Ratio	Lower	Upper
107	100		
109	94.2	74.6	112.0

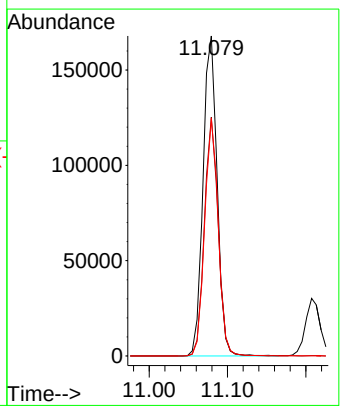


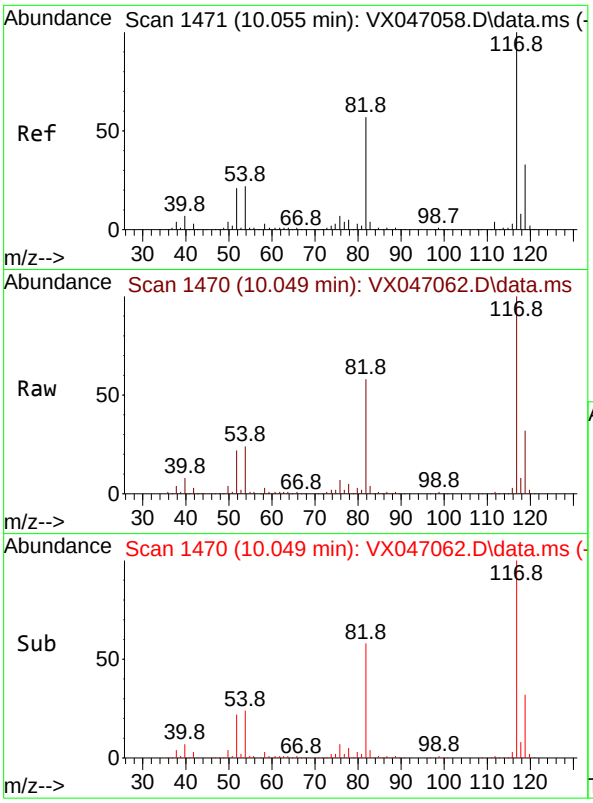


#62
4-Bromofluorobenzene
Concen: 40.779 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 95 Resp: 209003

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	144.6
176	71.8	0.0	139.6



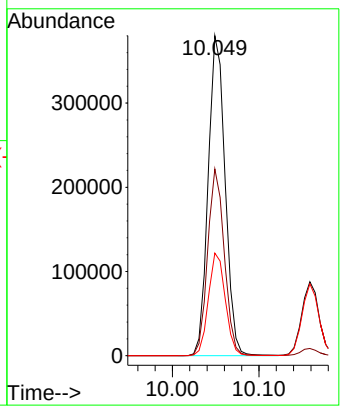


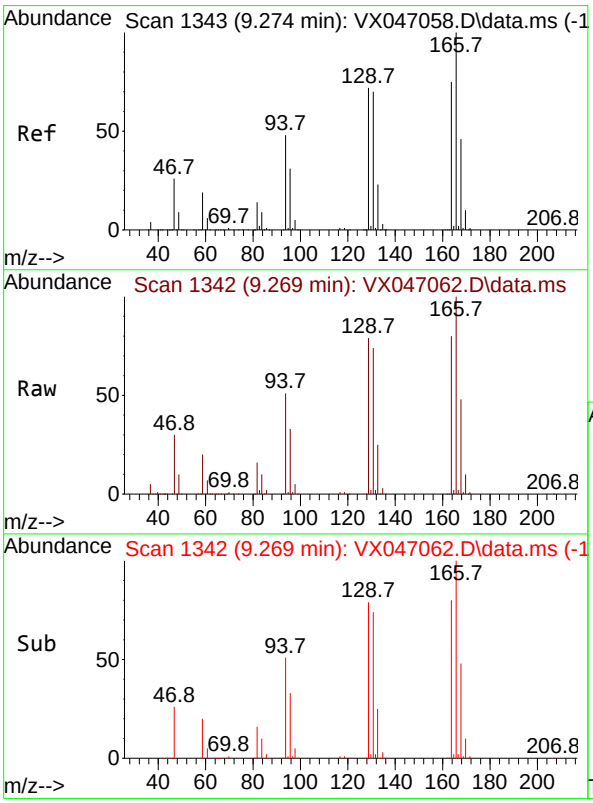
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:117 Resp: 516907

Ion	Ratio	Lower	Upper
117	100		
82	58.4	45.4	68.2
119	32.1	26.1	39.1

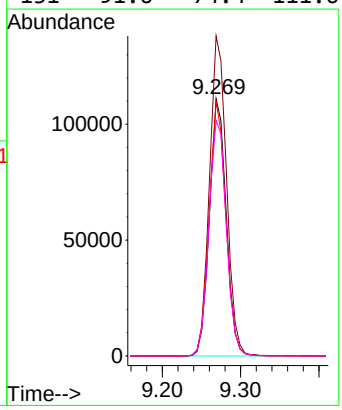


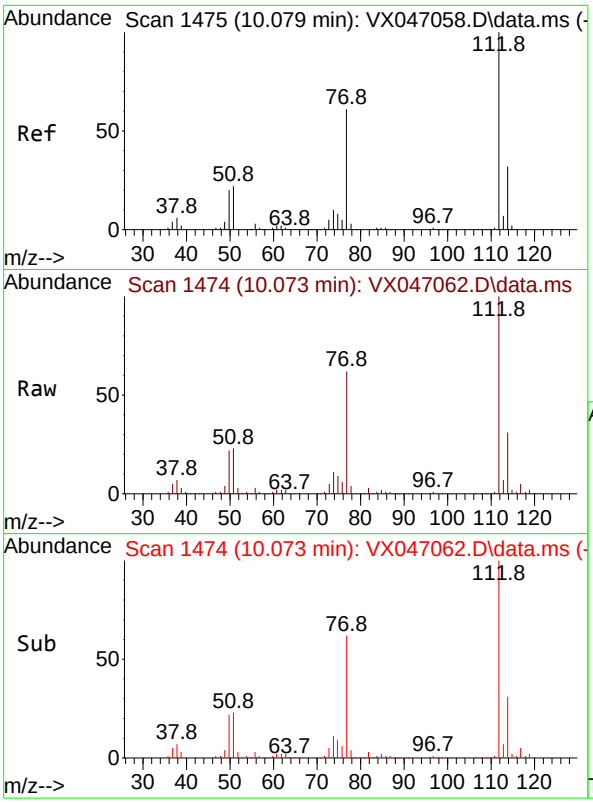


#64
Tetrachloroethene
Concen: 44.131 ug/l
RT: 9.269 min Scan# 1342
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:164 Resp: 164447

Ion	Ratio	Lower	Upper
164	100		
166	124.5	106.2	159.4
129	98.9	76.6	114.8
131	91.6	74.4	111.6



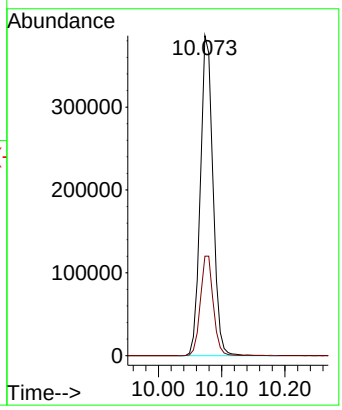


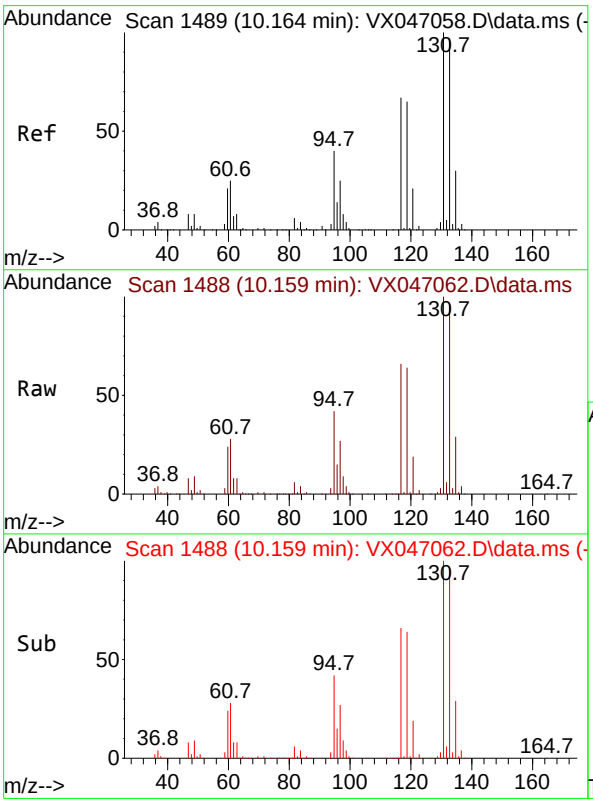
#65
Chlorobenzene
Concen: 44.318 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:112 Resp: 536664

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.8	38.6

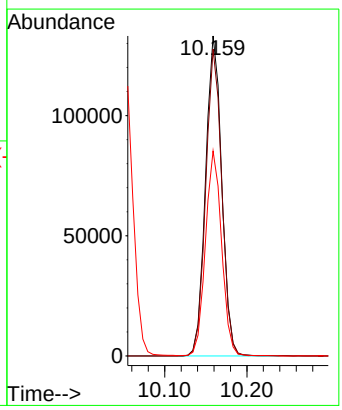


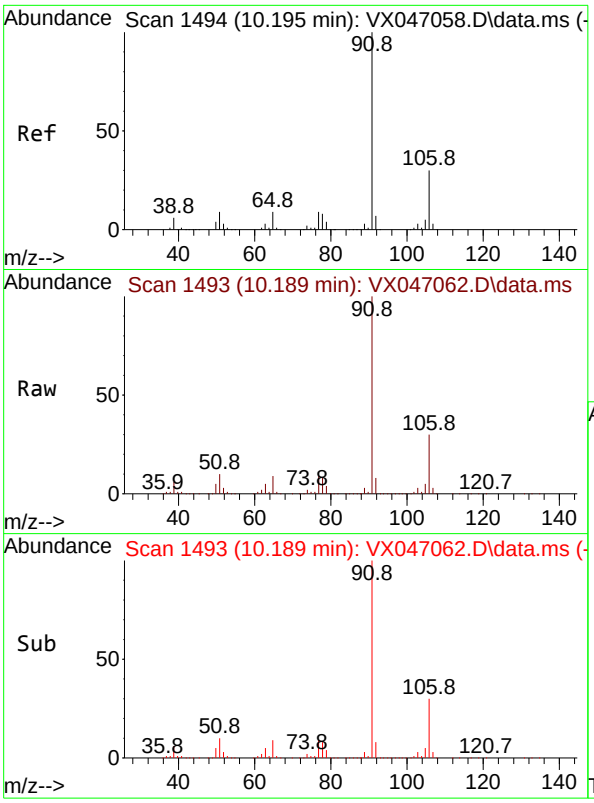


#66
1,1,1,2-Tetrachloroethane
Concen: 44.529 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:131 Resp: 181544

Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.4	145.3
119	63.9	32.4	97.0



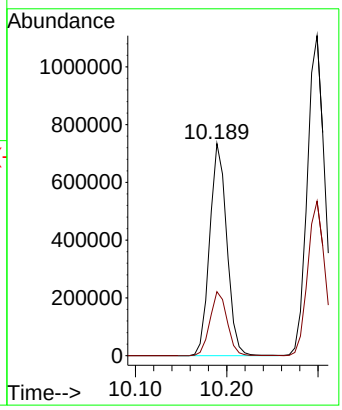


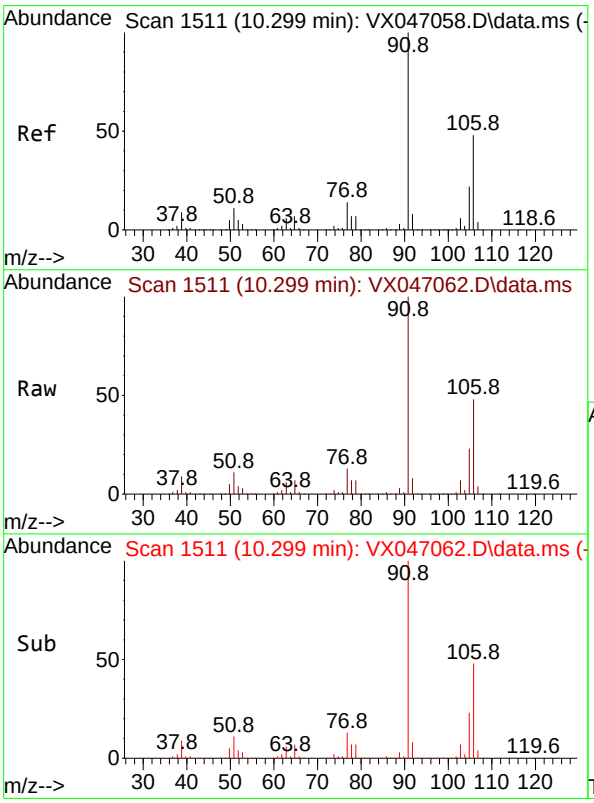
#67
Ethyl Benzene
Concen: 44.977 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 91 Resp: 952288

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.2	36.4

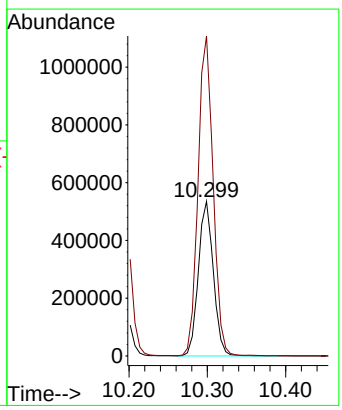


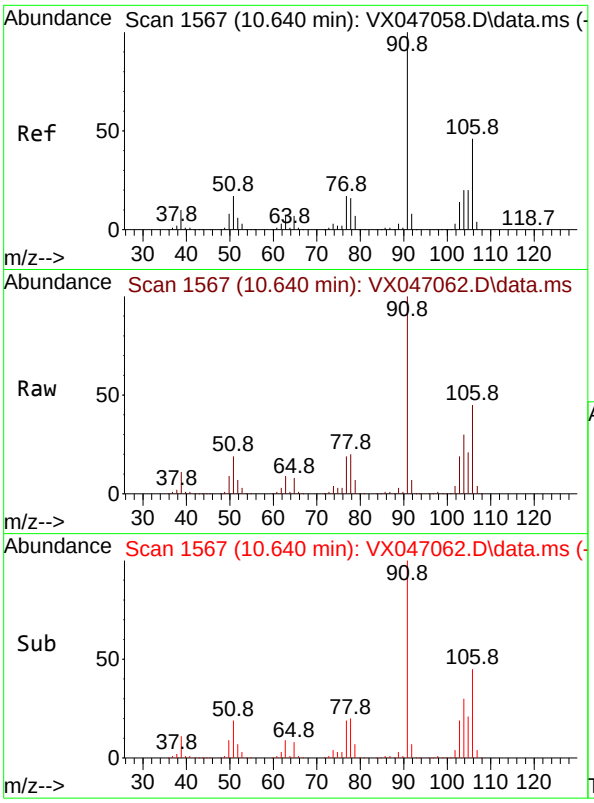


#68
m/p-Xylenes
Concen: 89.564 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:106 Resp: 709639

Ion	Ratio	Lower	Upper
106	100		
91	209.3	167.4	251.0



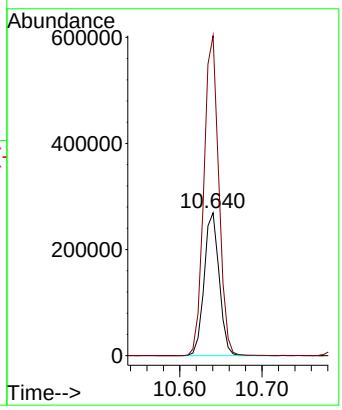


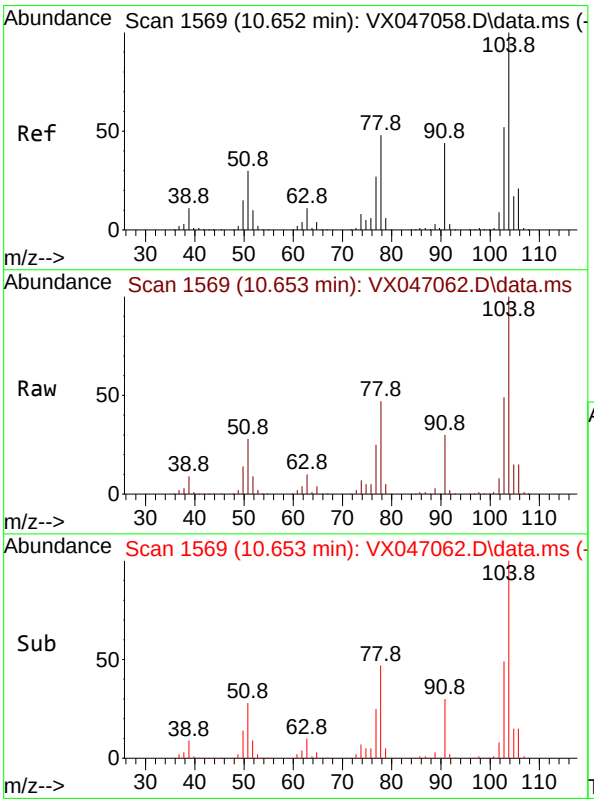
#69
o-Xylene
Concen: 45.328 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:106 Resp: 341662

Ion	Ratio	Lower	Upper
106	100		
91	222.1	110.3	331.0

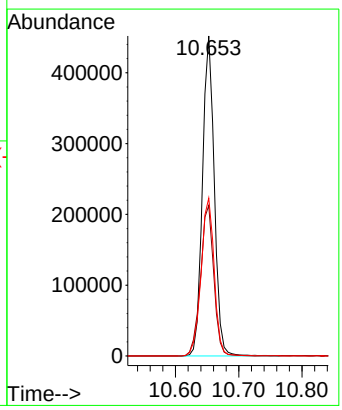


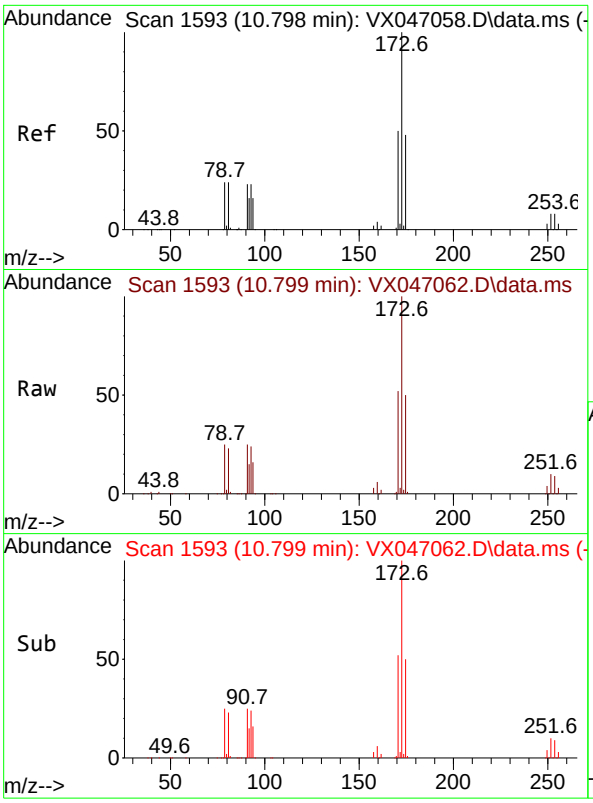


#70
Styrene
Concen: 45.618 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:104 Resp: 589610

Ion	Ratio	Lower	Upper
104	100		
78	52.6	42.0	63.0
103	54.7	43.8	65.6



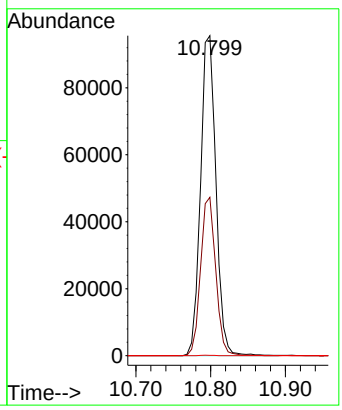


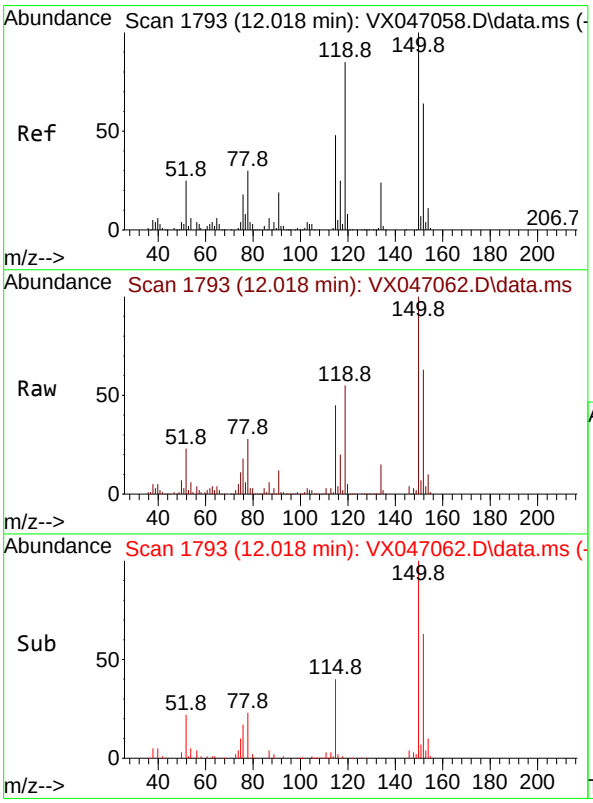
#71
Bromoform
Concen: 44.106 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:173 Resp: 136594

Ion	Ratio	Lower	Upper
173	100		
175	48.7	24.2	72.6
254	0.1	0.1	0.1

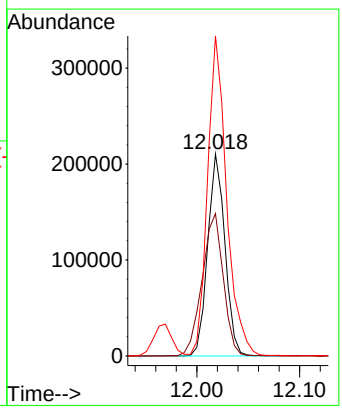


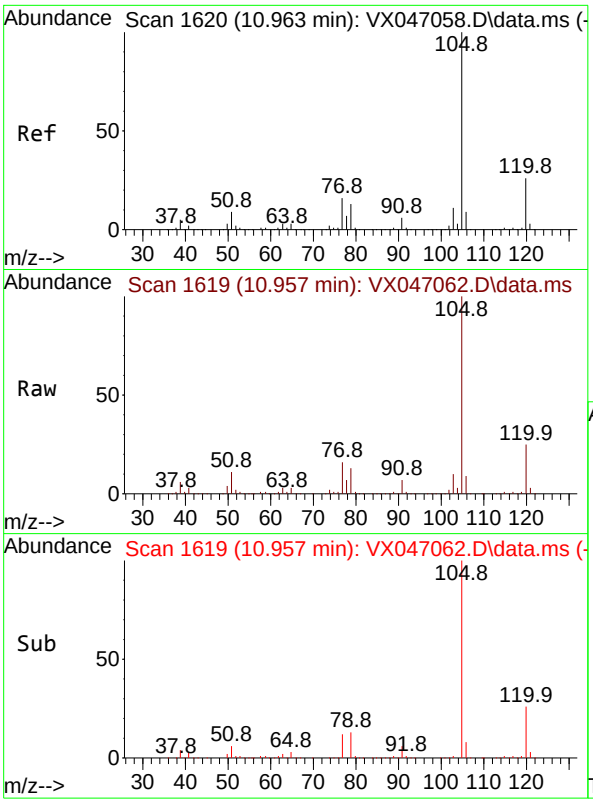


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:152 Resp: 245093

Ion	Ratio	Lower	Upper
152	100		
115	86.9	45.6	136.7
150	175.5	0.0	354.6



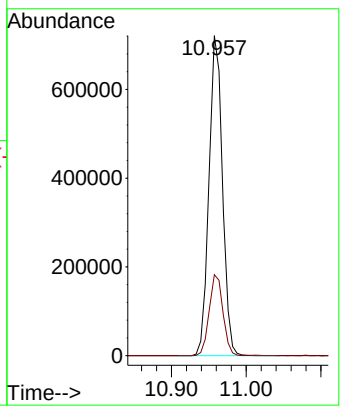


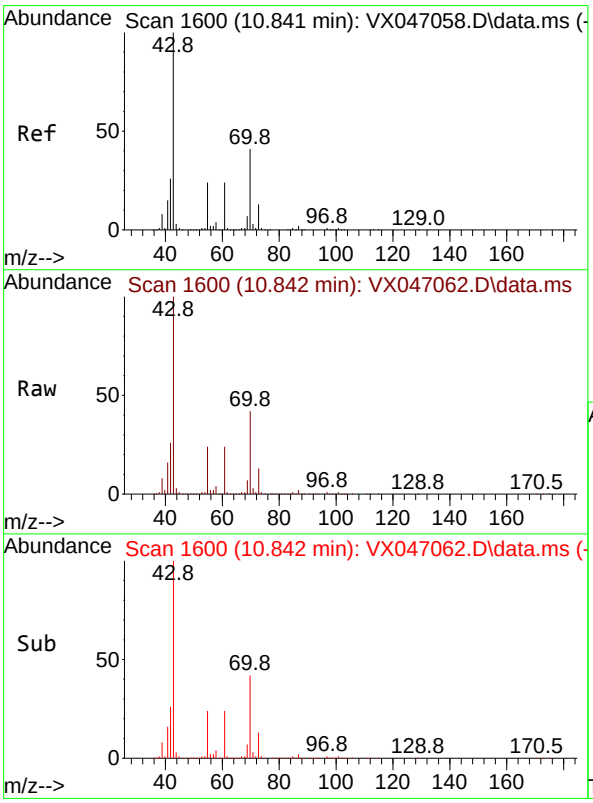
#73
Isopropylbenzene
Concen: 46.708 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:105 Resp: 903154

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

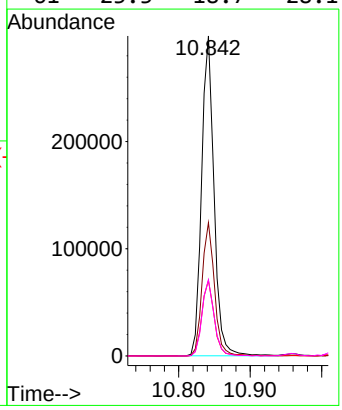


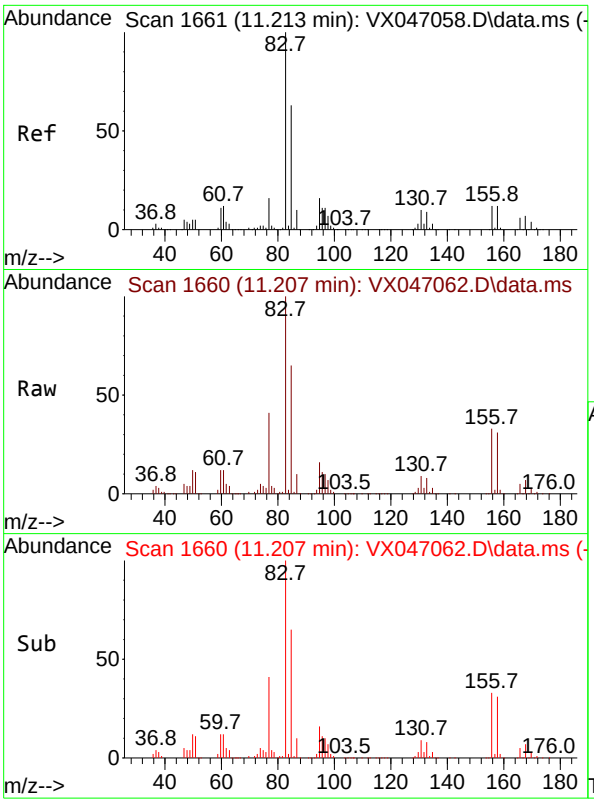


#74
N-amyl acetate
Concen: 46.238 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 43 Resp: 360744

Ion	Ratio	Lower	Upper
43	100		
70	41.5	32.3	48.5
55	23.8	18.9	28.3
61	23.3	18.7	28.1



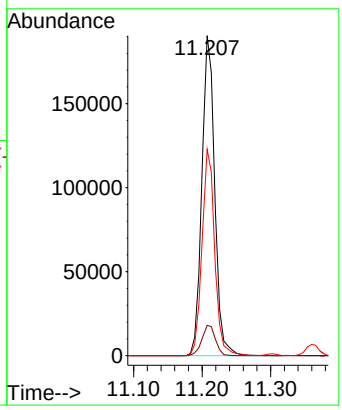


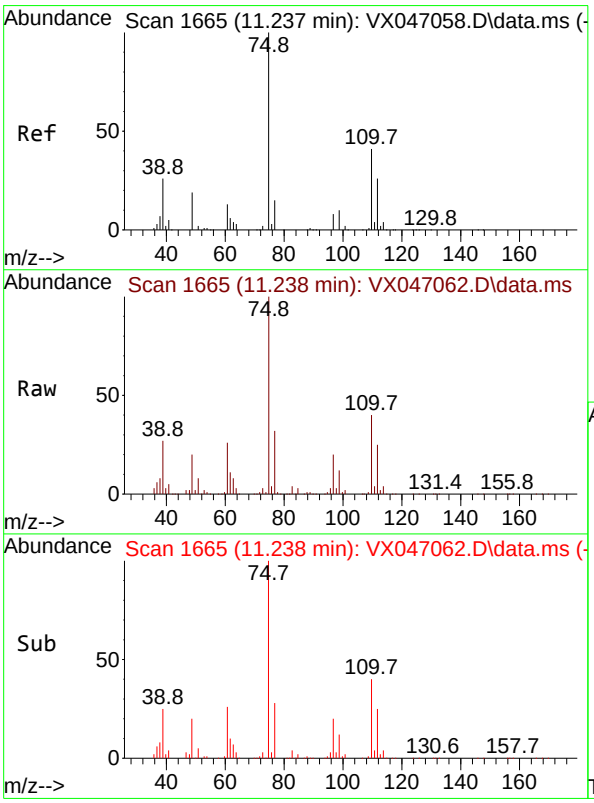
#75
1,1,2,2-Tetrachloroethane
Concen: 45.037 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 83 Resp: 248756

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	63.7	32.0	96.2

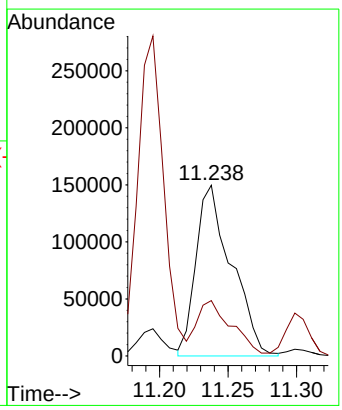


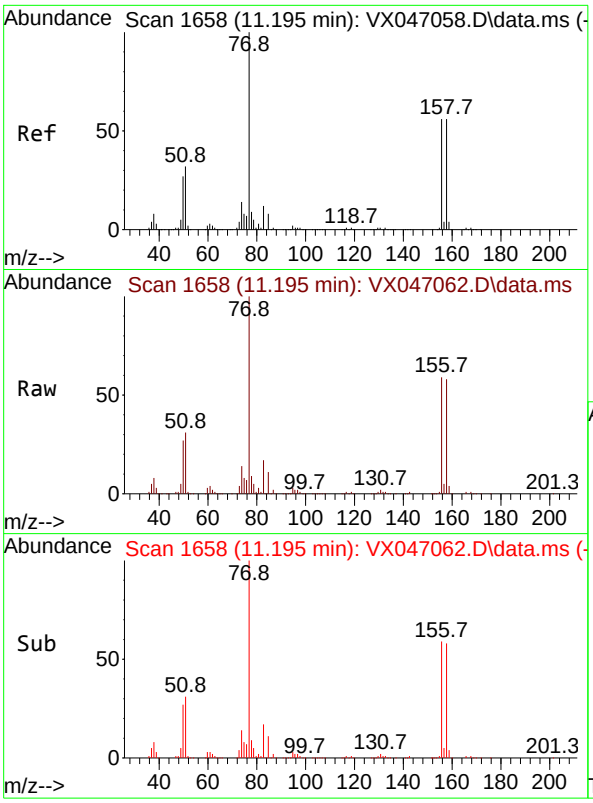


#76
1,2,3-Trichloropropane
Concen: 59.595 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 75 Resp: 270356

Ion	Ratio	Lower	Upper
75	100		
77	31.8	21.6	65.0



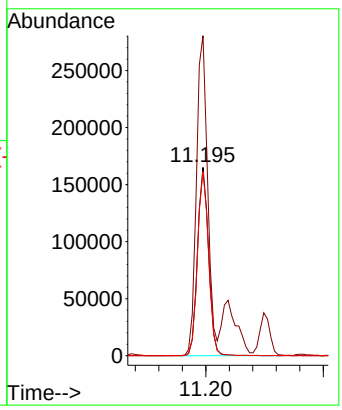


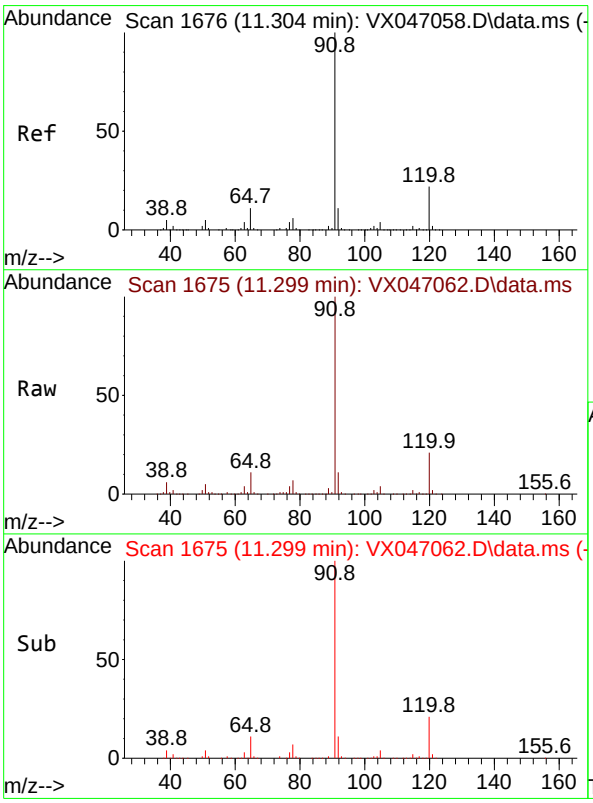
#77
Bromobenzene
Concen: 46.441 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:156 Resp: 215391

Ion	Ratio	Lower	Upper
156	100		
77	171.7	87.3	261.9
158	97.1	48.9	146.6

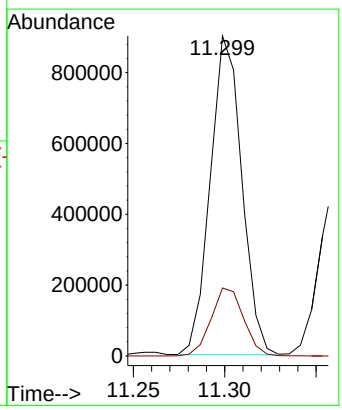


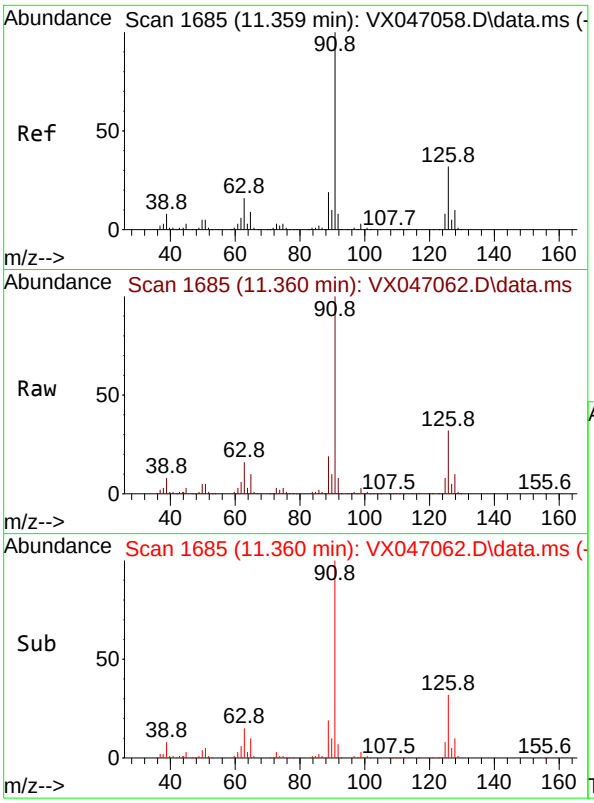


#78
n-propylbenzene
Concen: 46.812 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 91 Resp: 1081658

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0



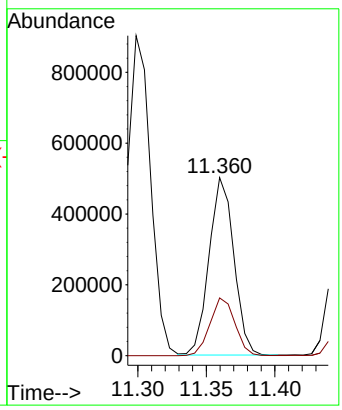


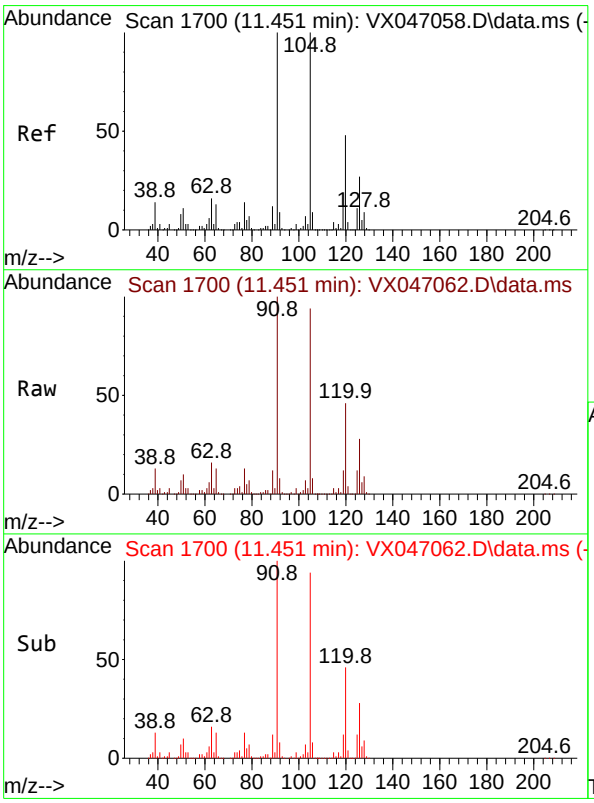
#79
2-Chlorotoluene
Concen: 45.702 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 91 Resp: 631252

Ion	Ratio	Lower	Upper
91	100		
126	32.8	16.4	49.4

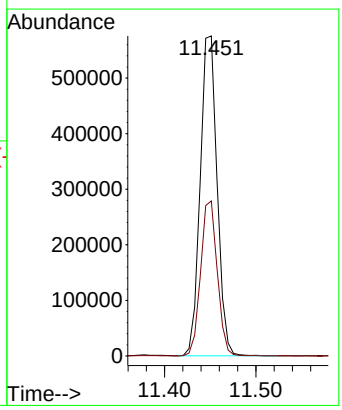


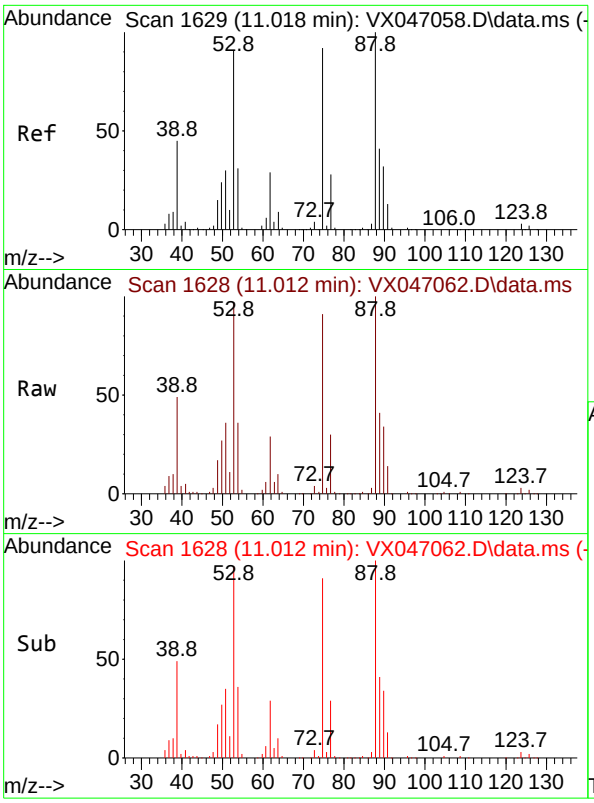


#80
1,3,5-Trimethylbenzene
Concen: 46.187 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:105 Resp: 737827

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.5



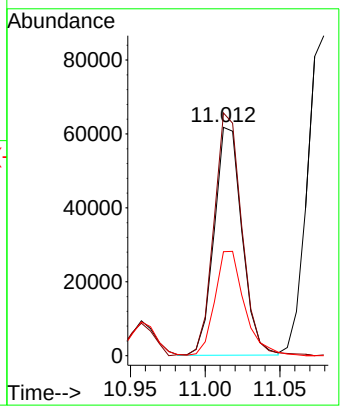


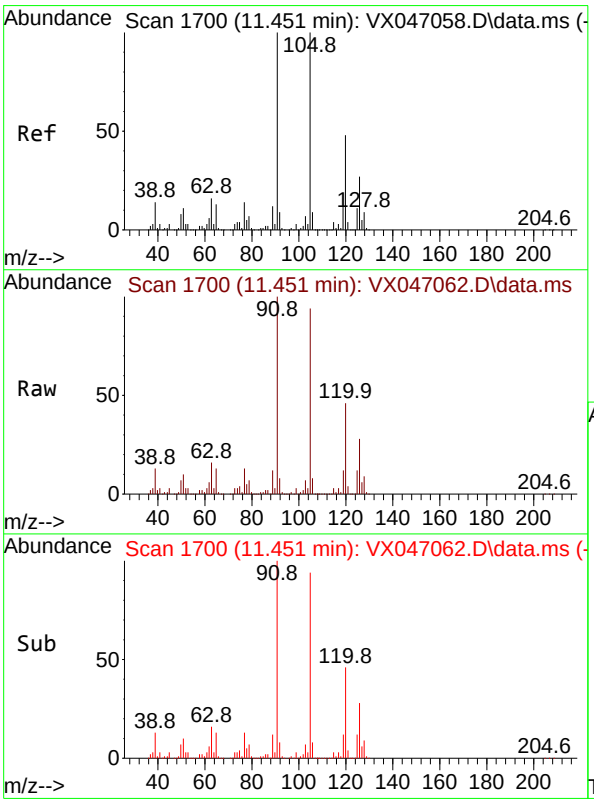
#81
trans-1,4-Dichloro-2-butene
Concen: 45.380 ug/l
RT: 11.012 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 75 Resp: 79906

Ion	Ratio	Lower	Upper
75	100		
53	106.6	84.2	126.4
89	48.7	36.0	54.0

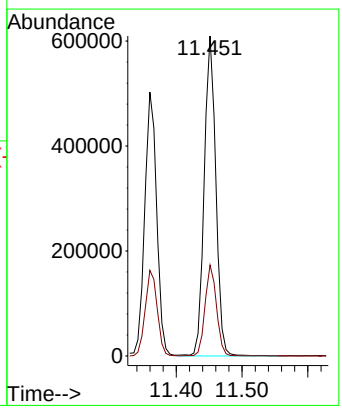


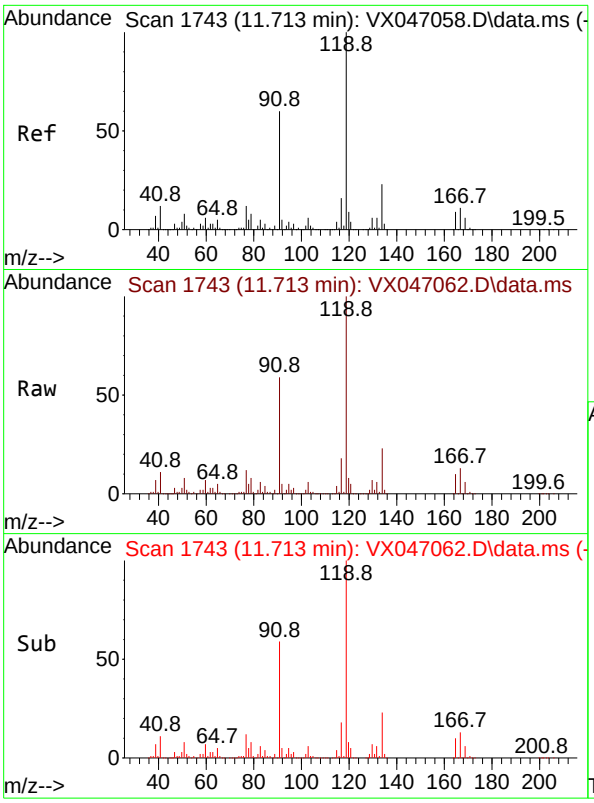


#82
4-Chlorotoluene
Concen: 46.476 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 91 Resp: 749299

Ion	Ratio	Lower	Upper
91	100		
126	27.9	14.1	42.3



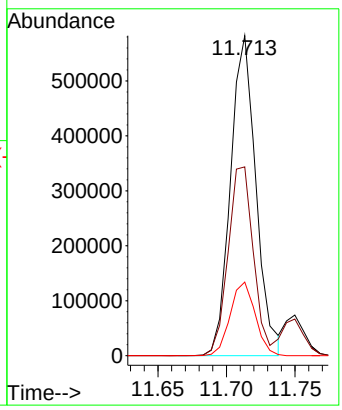


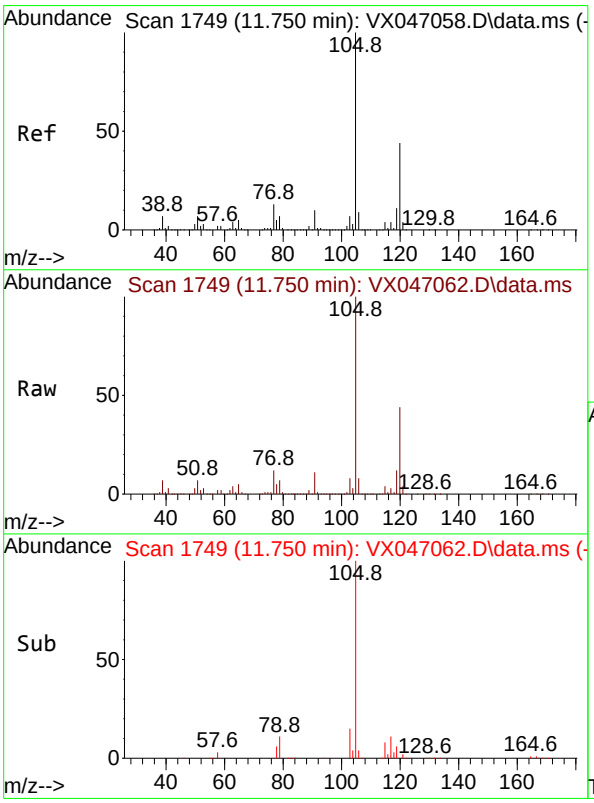
#83
tert-Butylbenzene
Concen: 46.942 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:119 Resp: 752650

Ion	Ratio	Lower	Upper
119	100		
91	58.7	29.6	88.8
134	22.7	11.4	34.1

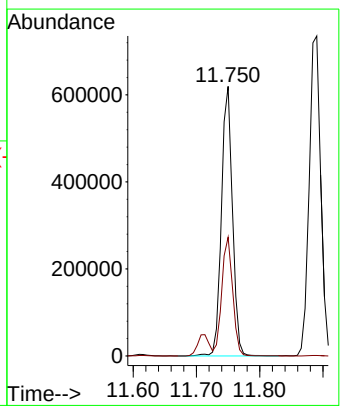


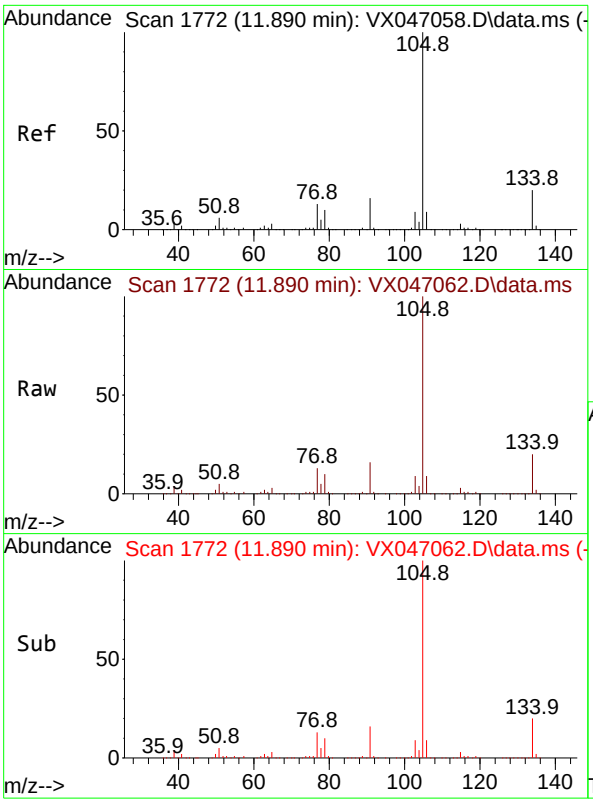


#84
1,2,4-Trimethylbenzene
Concen: 46.741 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:105 Resp: 744757

Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.0	66.0



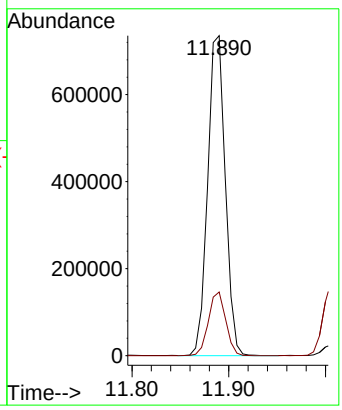


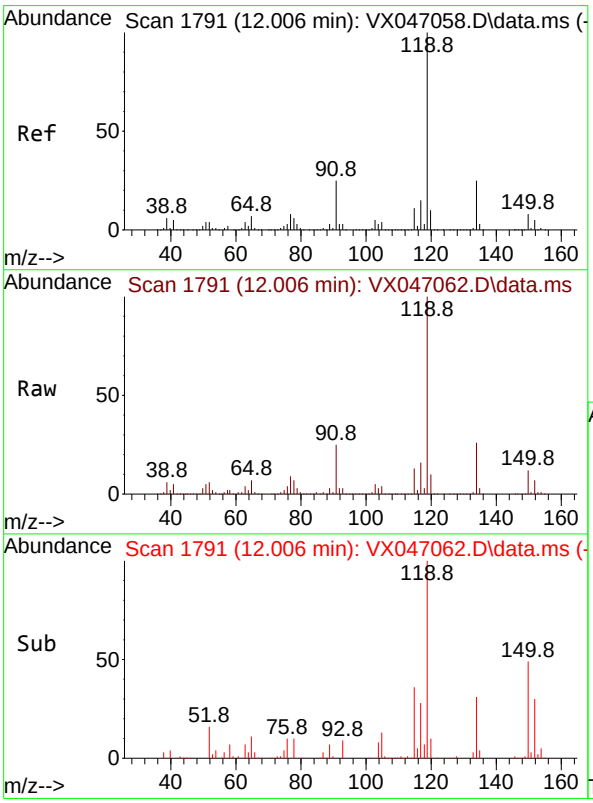
#85
sec-Butylbenzene
Concen: 46.632 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:105 Resp: 934198

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7

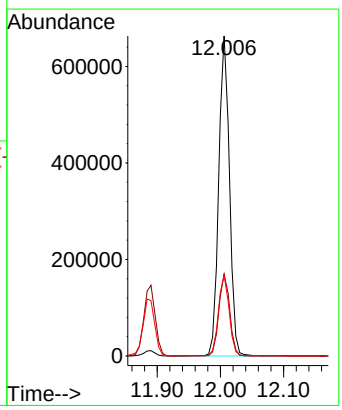


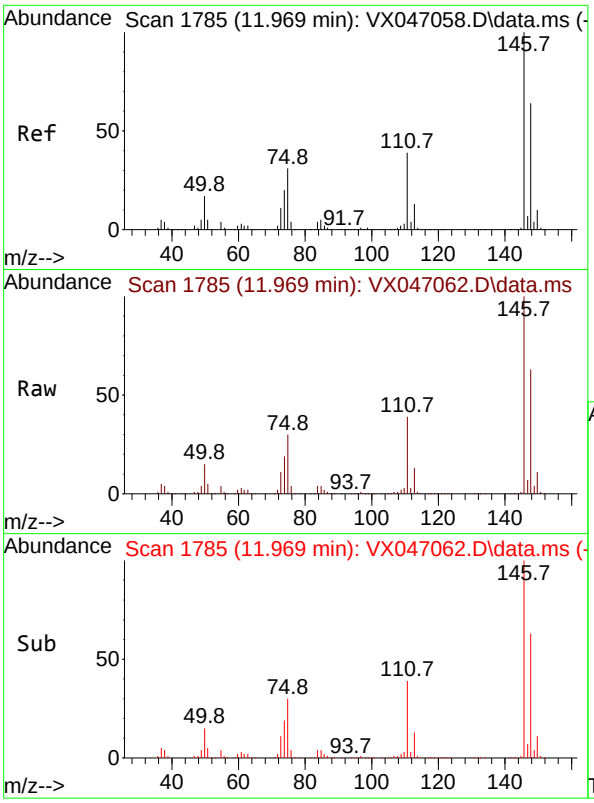


#86
p-Isopropyltoluene
Concen: 46.560 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:119 Resp: 773508

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	25.2	12.4	37.4



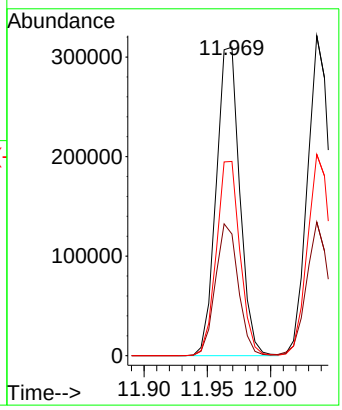


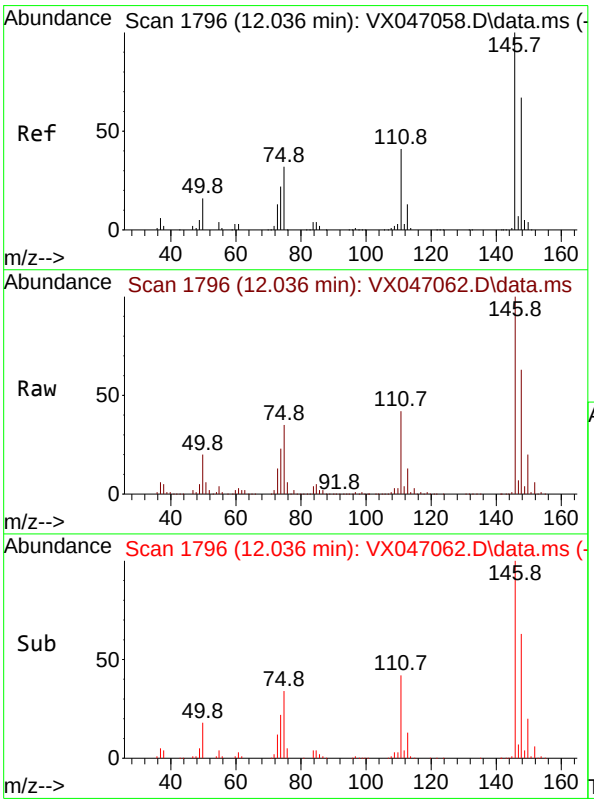
#87
1,3-Dichlorobenzene
Concen: 45.450 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:146 Resp: 400520

Ion	Ratio	Lower	Upper
146	100		
111	41.7	21.0	63.0
148	63.2	32.0	96.0

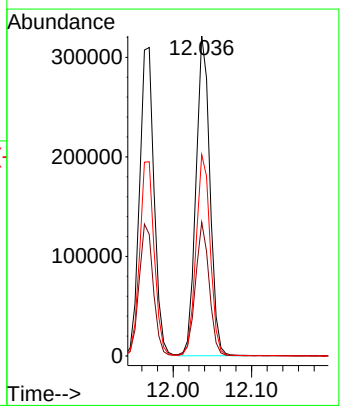


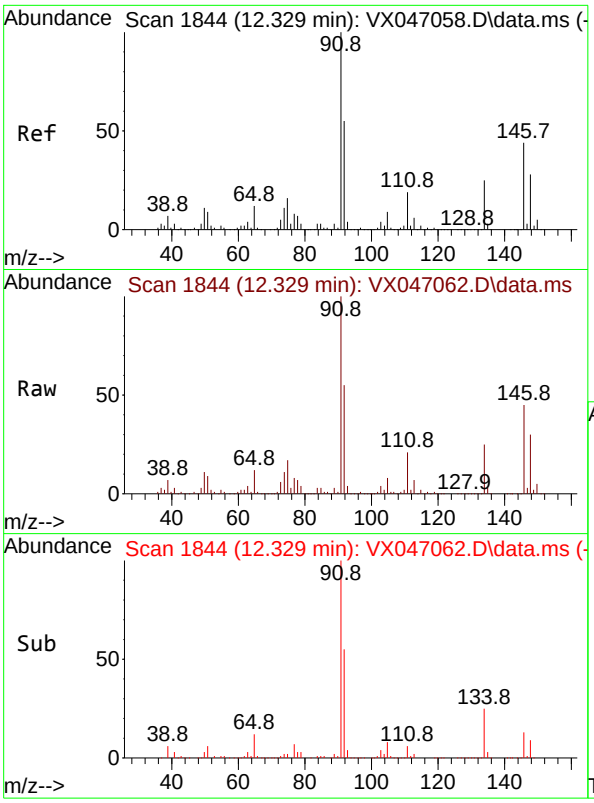


#88
1,4-Dichlorobenzene
Concen: 44.634 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:146 Resp: 398497

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.9
148	63.9	33.0	98.9



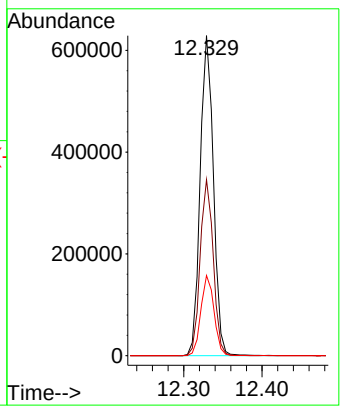


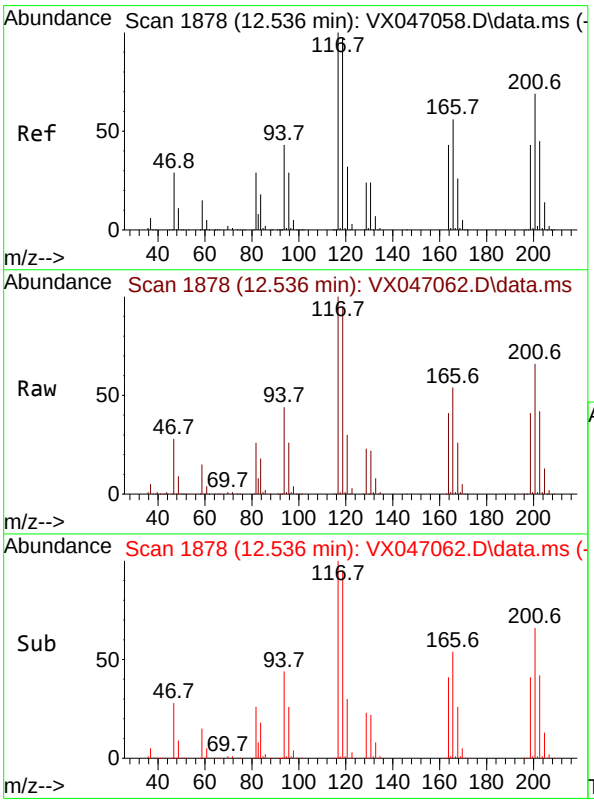
#89
n-Butylbenzene
Concen: 47.201 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion: 91 Resp: 735386

Ion	Ratio	Lower	Upper
91	100		
92	54.6	27.5	82.5
134	25.0	12.8	38.3

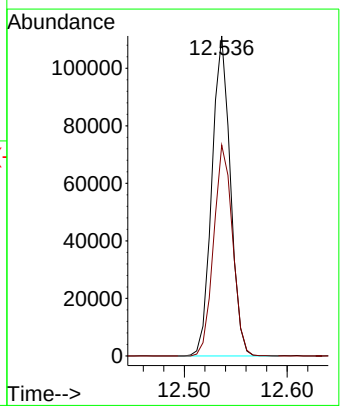


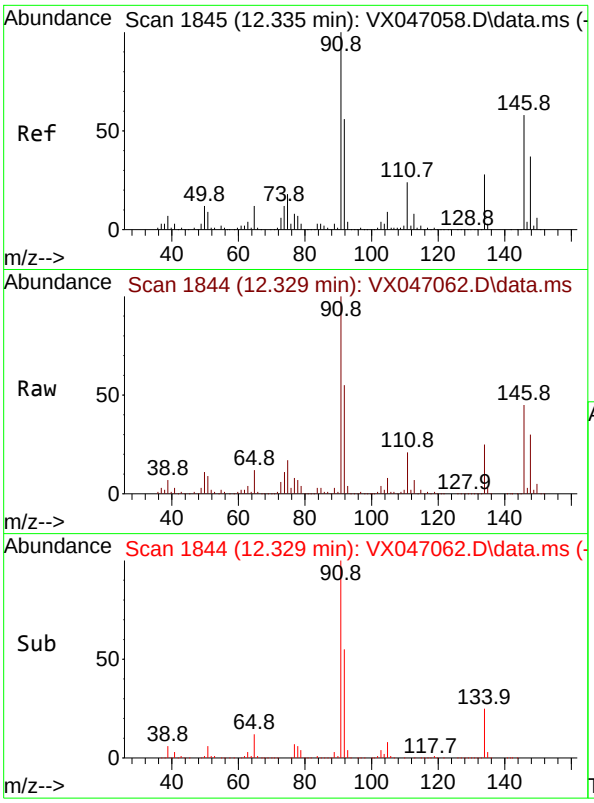


#90
Hexachloroethane
Concen: 46.667 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:117 Resp: 138697

Ion	Ratio	Lower	Upper
117	100		
201	67.6	34.8	104.5



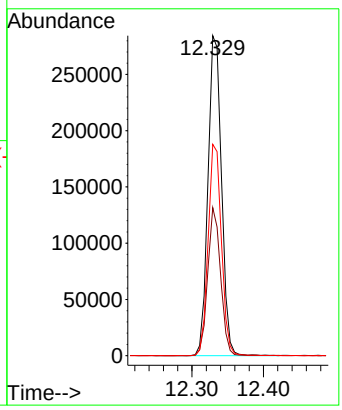


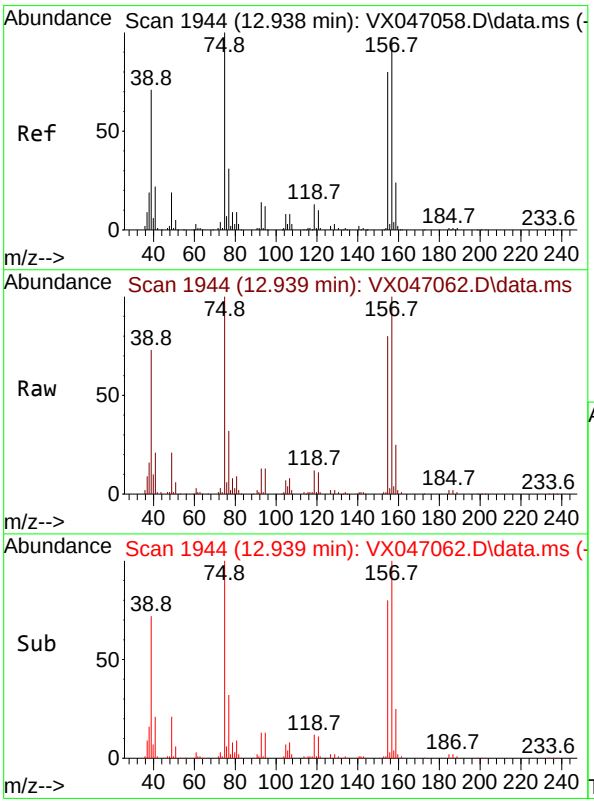
#91
1,2-Dichlorobenzene
Concen: 44.320 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:146 Resp: 373286

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	64.9	31.9	95.7

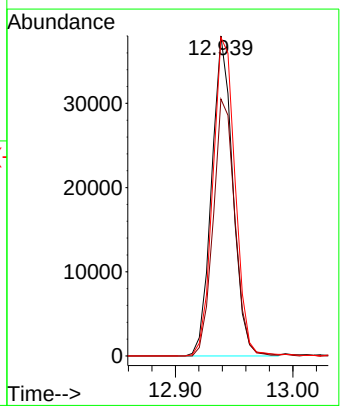


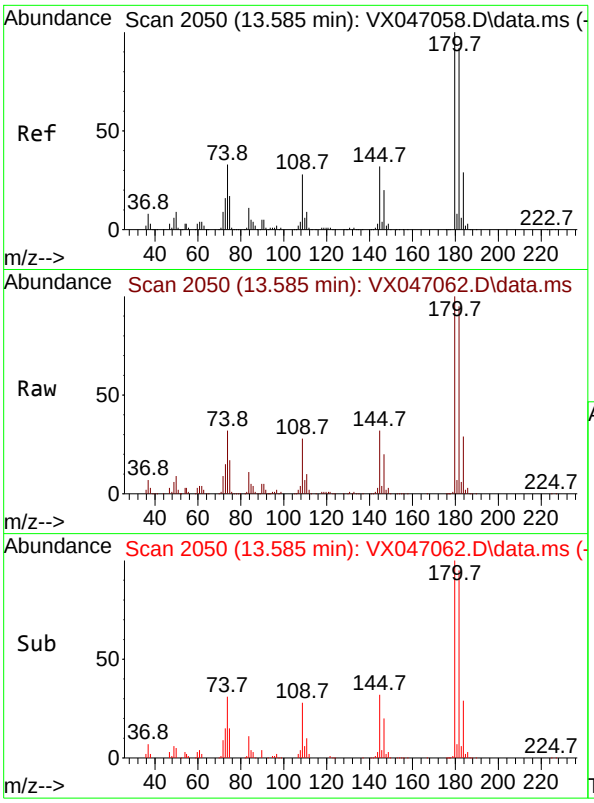


#92
1,2-Dibromo-3-Chloropropane
Concen: 44.904 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion: 75 Resp: 47608

Ion	Ratio	Lower	Upper
75	100		
155	82.0	41.3	124.1
157	105.2	52.8	158.3



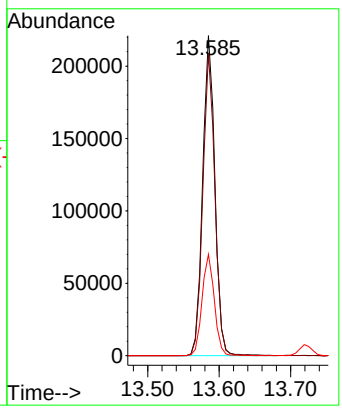


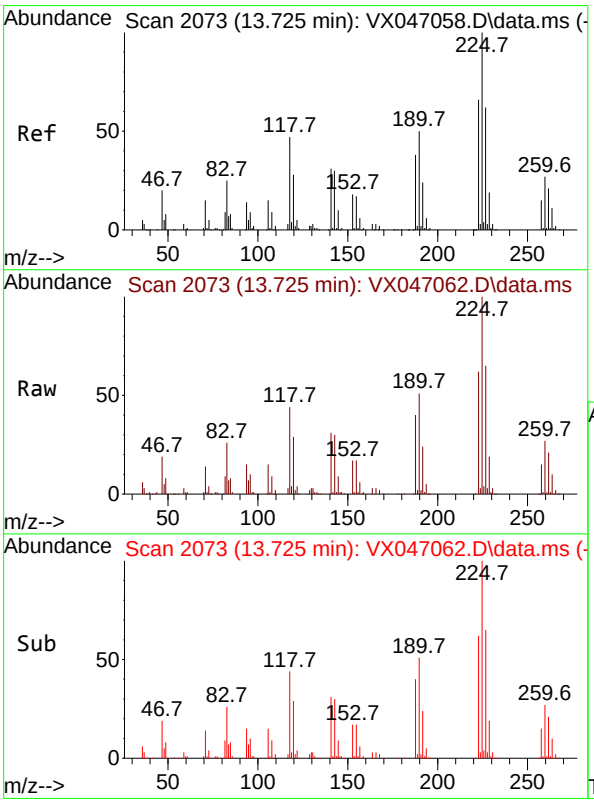
#93
1,2,4-Trichlorobenzene
Concen: 46.990 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:180 Resp: 261487

Ion	Ratio	Lower	Upper
180	100		
182	93.7	47.3	141.8
145	31.9	16.4	49.1

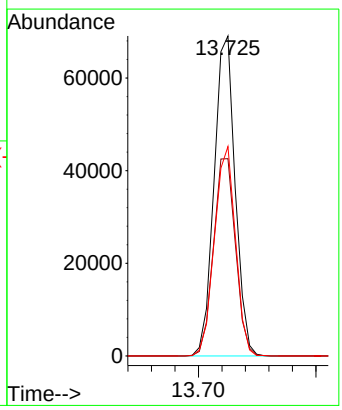


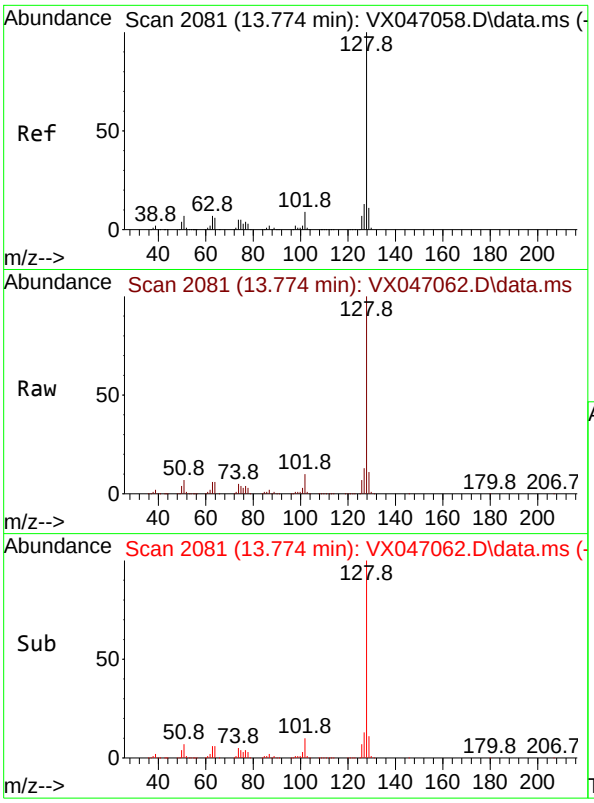


#94
Hexachlorobutadiene
Concen: 45.502 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:225 Resp: 86113

Ion	Ratio	Lower	Upper
225	100		
223	64.6	31.6	95.0
227	65.3	32.9	98.6



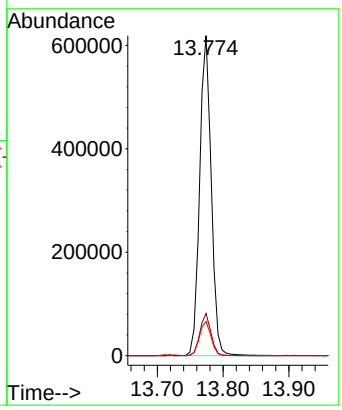


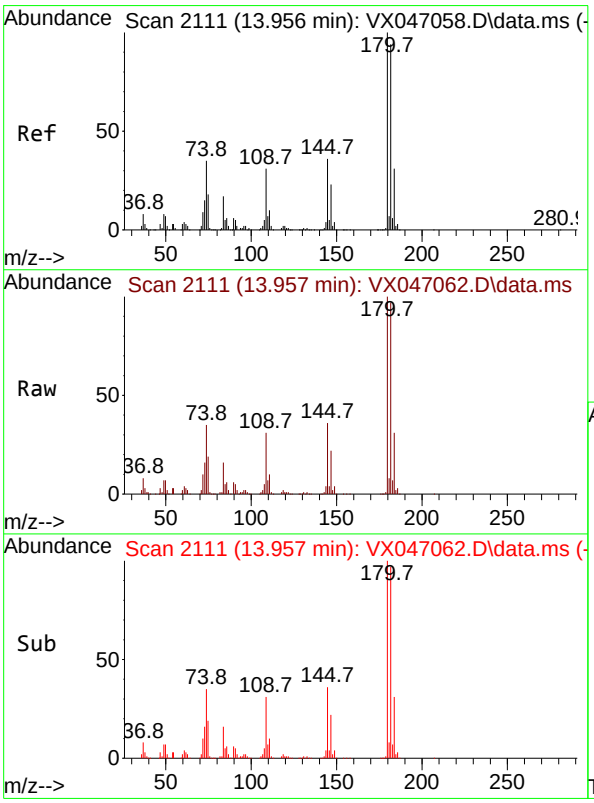
#95
Naphthalene
Concen: 46.304 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Instrument :
MSVOA_X
ClientSampleId :
ICVVX072125

Tgt Ion:128 Resp: 755367

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.7	8.6	13.0

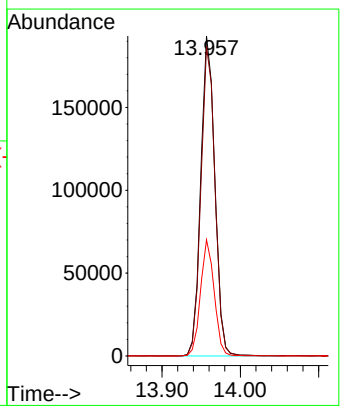




#96
1,2,3-Trichlorobenzene
Concen: 44.980 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047062.D
Acq: 21 Jul 2025 13:17

Tgt Ion:180 Resp: 241137

Ion	Ratio	Lower	Upper
180	100		
182	96.6	46.9	140.6
145	35.3	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	222209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	370615	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	329997	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	165820	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	129559	46.806	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117			Recovery = 93.620%		
35) Dibromofluoromethane	5.385	113	117517	51.356	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124			Recovery = 102.720%		
50) Toluene-d8	8.647	98	328825	44.372	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112			Recovery = 88.740%#		
62) 4-Bromofluorobenzene	11.079	95	158071	49.497	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123			Recovery = 99.000%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	155590	52.715	ug/l	100
3) Chloromethane	1.307	50	137480	47.089	ug/l	99
4) Vinyl Chloride	1.392	62	157861	50.300	ug/l	99
5) Bromomethane	1.624	94	93907	55.083	ug/l	93
6) Chloroethane	1.703	64	93985	45.596	ug/l	98
7) Trichlorofluoromethane	1.904	101	235450	50.312	ug/l	100
8) Diethyl Ether	2.142	74	84117	50.979	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.343	101	139422	49.450	ug/l	99
10) Methyl Iodide	2.465	142	233157	81.141	ug/l	98
11) Tert butyl alcohol	2.959	59	83732	259.145	ug/l	96
12) 1,1-Dichloroethene	2.331	96	136776	48.979	ug/l	98
13) Acrolein	2.246	56	206229	346.019	ug/l	98
14) Allyl chloride	2.678	41	244509	48.438	ug/l	98
15) Acrylonitrile	3.075	53	342687	259.583	ug/l	99
16) Acetone	2.386	43	290870	262.311	ug/l	99
17) Carbon Disulfide	2.526	76	386866	47.887	ug/l	99
18) Methyl Acetate	2.709	43	170441	57.839	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	450282	52.982	ug/l	100
20) Methylene Chloride	2.800	84	150032	49.181	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	143173	50.102	ug/l	97
22) Diisopropyl ether	3.764	45	493086	50.807	ug/l	93
23) Vinyl Acetate	3.727	43	2086840	268.090	ug/l	99
24) 1,1-Dichloroethane	3.617	63	262729	48.683	ug/l	99
25) 2-Butanone	4.562	43	386326	239.268	ug/l	99
26) 2,2-Dichloropropane	4.483	77	212515	50.870	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	166093	49.083	ug/l	99
28) Bromochloromethane	4.904	49	126965	51.137	ug/l	99
29) Tetrahydrofuran	5.019	42	247390	237.470	ug/l	99
30) Chloroform	5.099	83	270514	49.242	ug/l	99
31) Cyclohexane	5.477	56	241451	46.661	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	235167	49.285	ug/l	99
36) 1,1-Dichloropropene	5.696	75	186422	47.793	ug/l	100
37) Ethyl Acetate	4.715	43	207345	57.688	ug/l	96
38) Carbon Tetrachloride	5.678	117	204829	49.200	ug/l	98
39) Methylcyclohexane	7.379	83	232810	47.804	ug/l	98
40) Benzene	6.044	78	561481	49.740	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	86875	46.227	ug/l		91
42) 1,2-Dichloroethane	6.092	62	205046	51.566	ug/l		99
43) Isopropyl Acetate	6.342	43	307837	54.939	ug/l		99
44) Trichloroethene	7.129	130	142617	49.268	ug/l		98
45) 1,2-Dichloropropane	7.428	63	143089	50.611	ug/l		98
46) Dibromomethane	7.580	93	104791	52.854	ug/l		99
47) Bromodichloromethane	7.818	83	218872	51.865	ug/l		99
48) Methyl methacrylate	7.690	41	155179	50.837	ug/l		97
49) 1,4-Dioxane	7.671	88	33749	972.087	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	882345	264.926	ug/l		98
52) Toluene	8.714	92	348287	50.178	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	209827	52.654	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	225848	51.782	ug/l		96
55) 1,1,2-Trichloroethane	9.147	97	136289	52.358	ug/l		98
56) Ethyl methacrylate	9.116	69	213603	55.430	ug/l		99
57) 1,3-Dichloropropane	9.305	76	233683	51.654	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	507700	236.756	ug/l		99
59) 2-Hexanone	9.427	43	616087	279.986	ug/l		100
60) Dibromochloromethane	9.519	129	163831	53.664	ug/l		100
61) 1,2-Dibromoethane	9.610	107	140997	51.802	ug/l		99
64) Tetrachloroethene	9.275	164	116103	48.805	ug/l		97
65) Chlorobenzene	10.073	112	384598	49.749	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	135093	51.903	ug/l		99
67) Ethyl Benzene	10.189	91	678292	50.181	ug/l		99
68) m/p-Xylenes	10.299	106	507852	100.400	ug/l		99
69) o-Xylene	10.640	106	244621	50.835	ug/l		99
70) Styrene	10.653	104	425811	51.604	ug/l		99
71) Bromoform	10.799	173	105702	53.462	ug/l	#	97
73) Isopropylbenzene	10.957	105	634683	48.515	ug/l		99
74) N-amyl acetate	10.842	43	274324	51.971	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	189270	50.649	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	188422	61.390	ug/l		84
77) Bromobenzene	11.195	156	155095	49.428	ug/l		99
78) n-propylbenzene	11.299	91	754576	48.268	ug/l		100
79) 2-Chlorotoluene	11.360	91	451205	48.283	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	523346	48.423	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	39232	32.932	ug/l		97
82) 4-Chlorotoluene	11.451	91	529783	48.570	ug/l		99
83) tert-Butylbenzene	11.713	119	526971	48.579	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	530631	49.223	ug/l		100
85) sec-Butylbenzene	11.890	105	641966	47.364	ug/l		100
86) p-Isopropyltoluene	12.006	119	536874	47.765	ug/l		100
87) 1,3-Dichlorobenzene	11.963	146	289704	48.591	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	291463	48.252	ug/l		98
89) n-Butylbenzene	12.329	91	496208	47.076	ug/l		99
90) Hexachloroethane	12.536	117	99243	49.356	ug/l		98
91) 1,2-Dichlorobenzene	12.329	146	279057	48.972	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	38332	53.439	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	185818	49.356	ug/l		99
94) Hexachlorobutadiene	13.719	225	59948	46.820	ug/l		99
95) Naphthalene	13.774	128	563399	51.047	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	174714	48.170	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

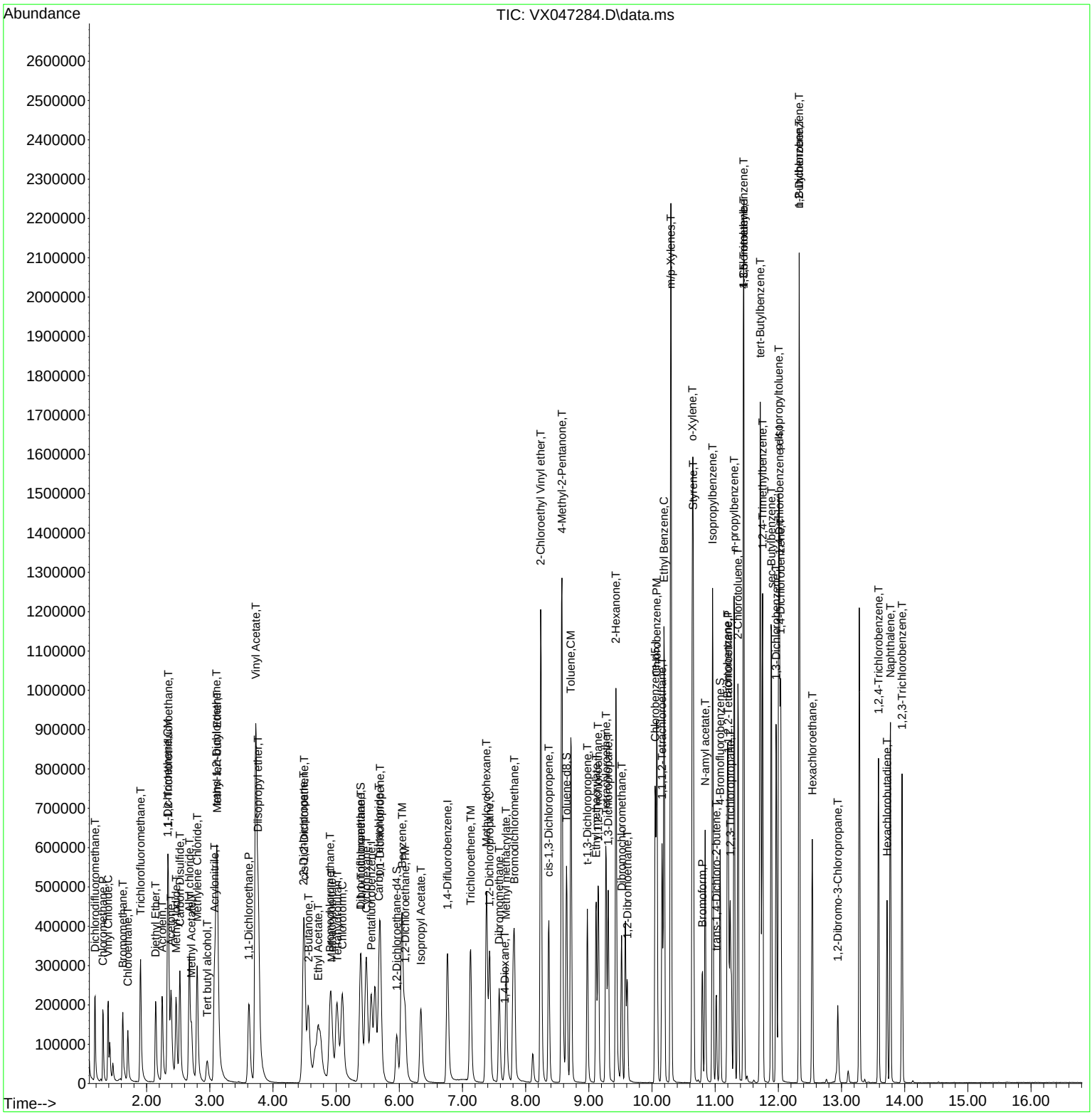
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

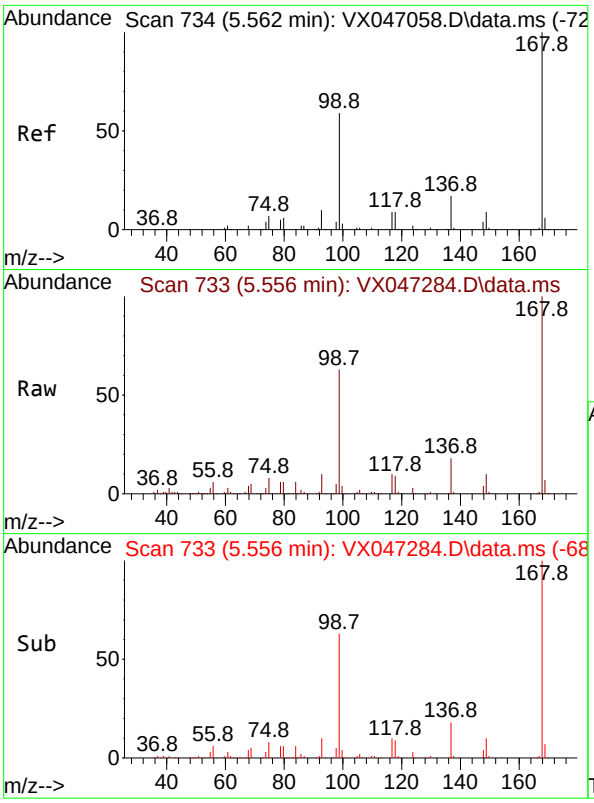
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047284.D
Acq On : 12 Aug 2025 09:53
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 13 01:14:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



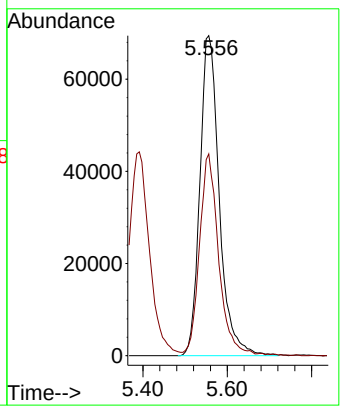


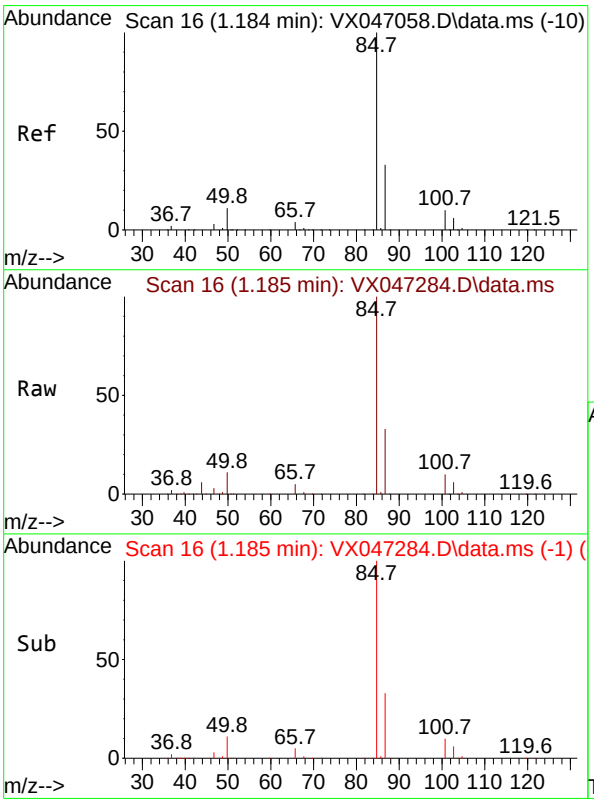
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 222209

Ion	Ratio	Lower	Upper
168	100		
99	62.8	48.0	72.0

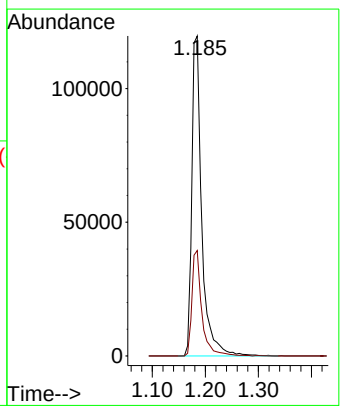


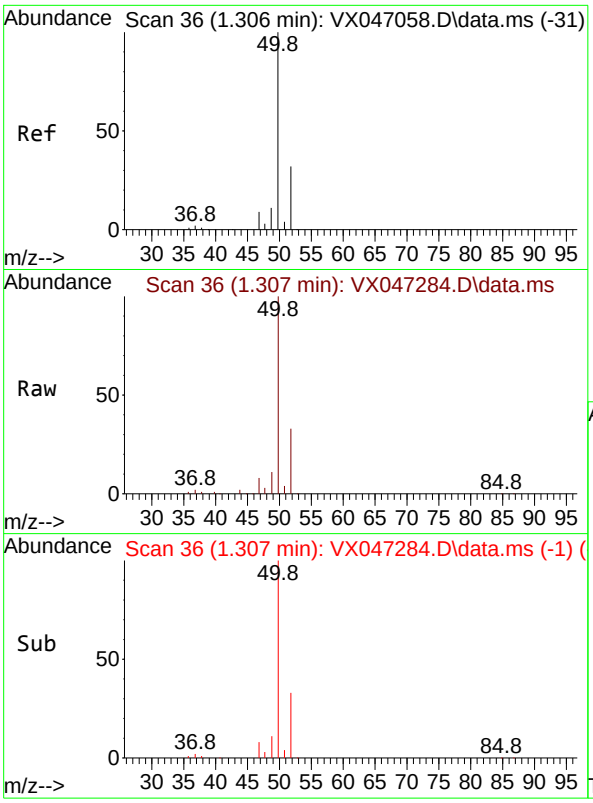


#2
Dichlorodifluoromethane
Concen: 52.715 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 85 Resp: 155590

Ion	Ratio	Lower	Upper
85	100		
87	33.0	16.6	49.8



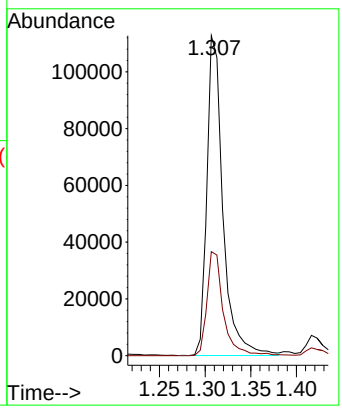


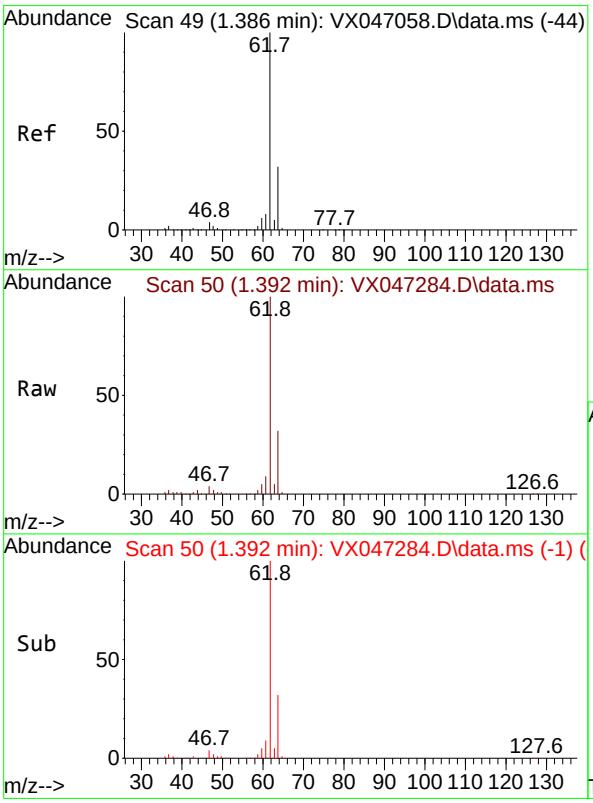
#3
Chloromethane
Concen: 47.089 ug/l
RT: 1.307 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 137480

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.2

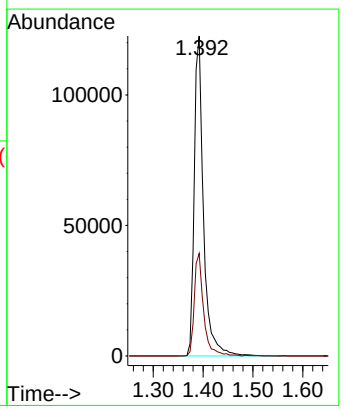


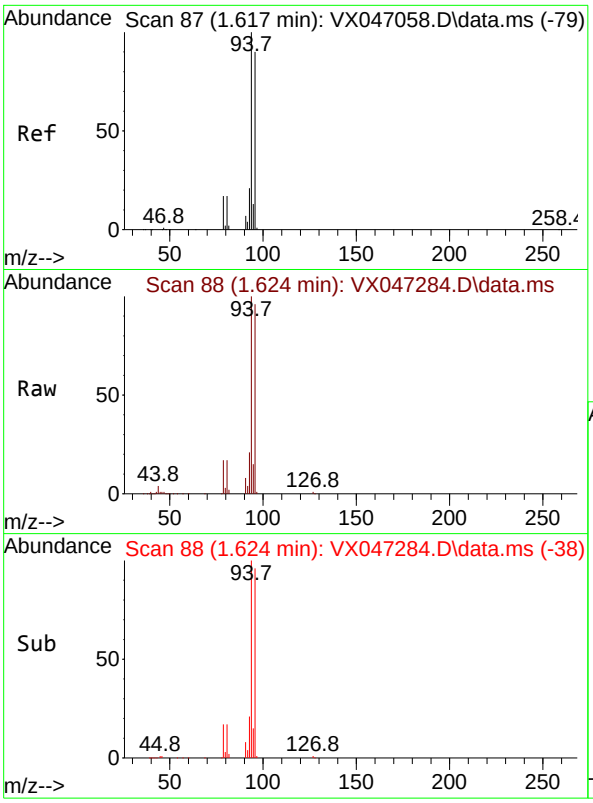


#4
Vinyl Chloride
Concen: 50.300 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 62 Resp: 157861

Ion	Ratio	Lower	Upper
62	100		
64	32.0	25.2	37.8



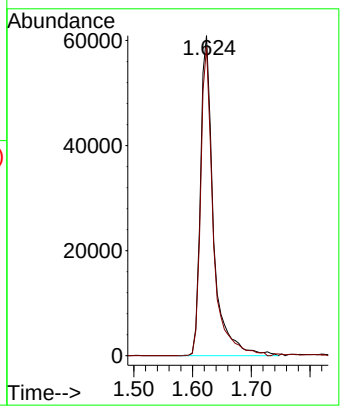


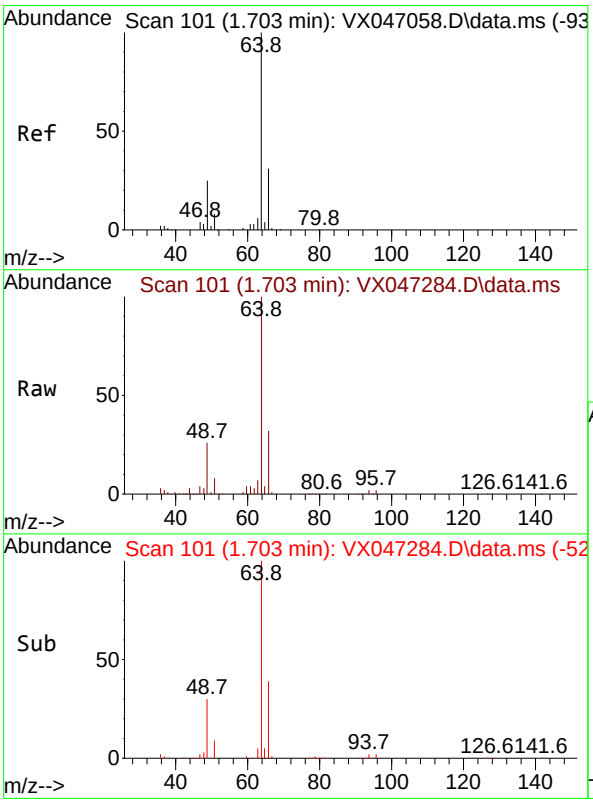
#5
Bromomethane
Concen: 55.083 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 93907

Ion	Ratio	Lower	Upper
94	100		
96	97.4	72.3	108.5

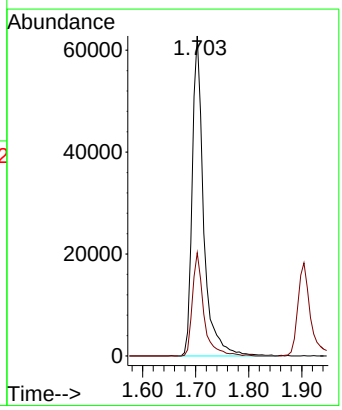


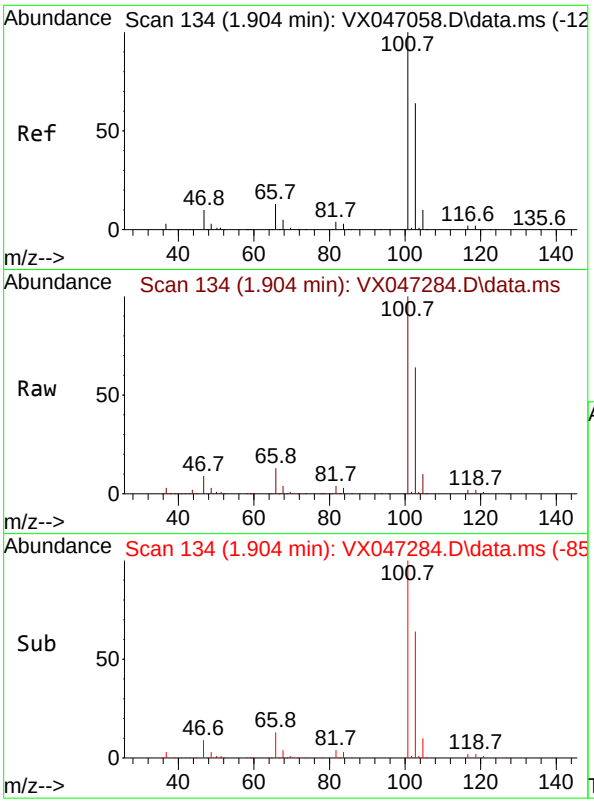


#6
Chloroethane
Concen: 45.596 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 64 Resp: 93985

Ion	Ratio	Lower	Upper
64	100		
66	32.2	25.0	37.6



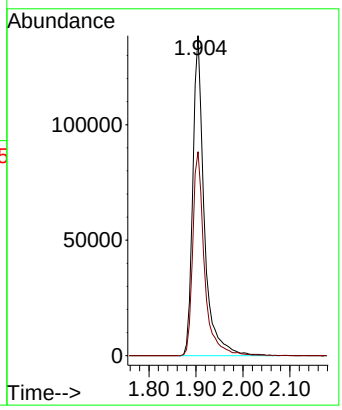


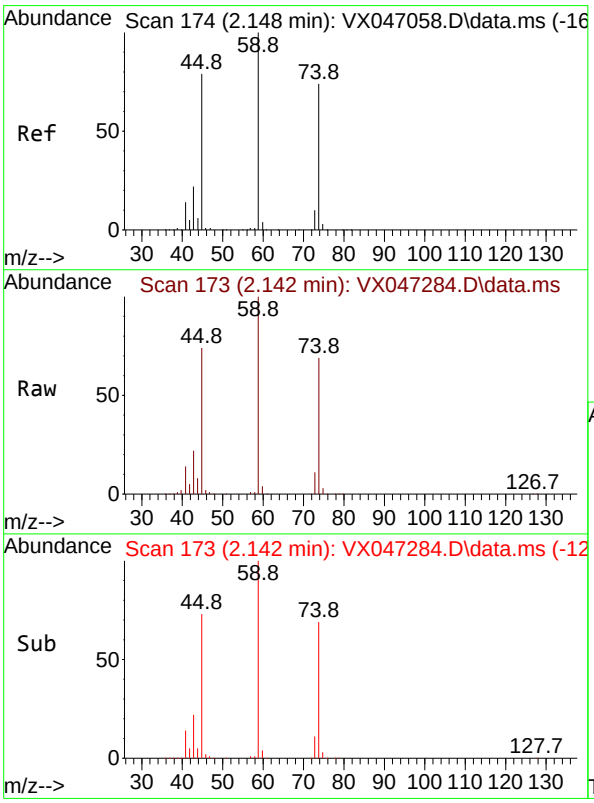
#7
Trichlorofluoromethane
Concen: 50.312 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 235450

Ion	Ratio	Lower	Upper
101	100		
103	63.7	50.9	76.3

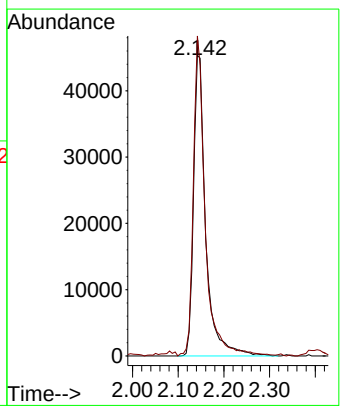


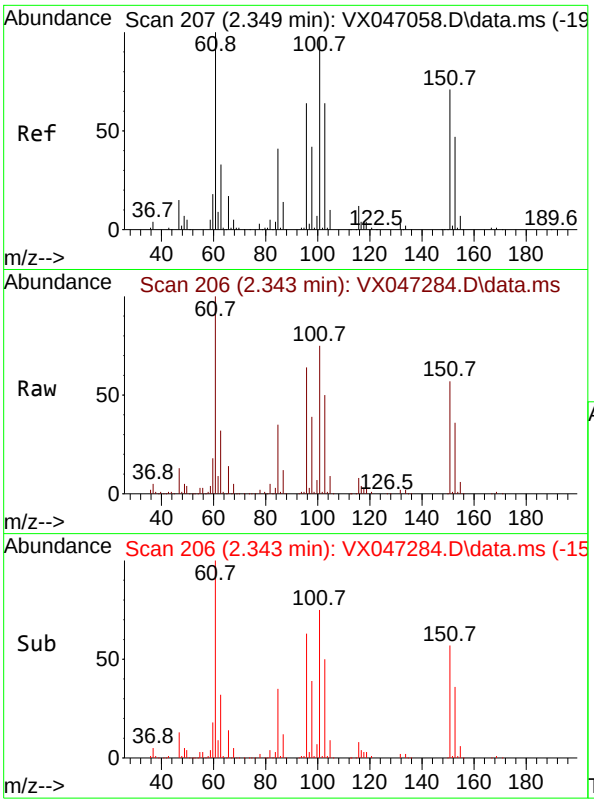


#8
Diethyl Ether
Concen: 50.979 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 74 Resp: 84117

Ion	Ratio	Lower	Upper
74	100		
45	103.5	53.0	159.0



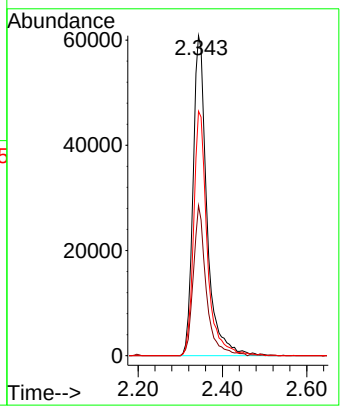


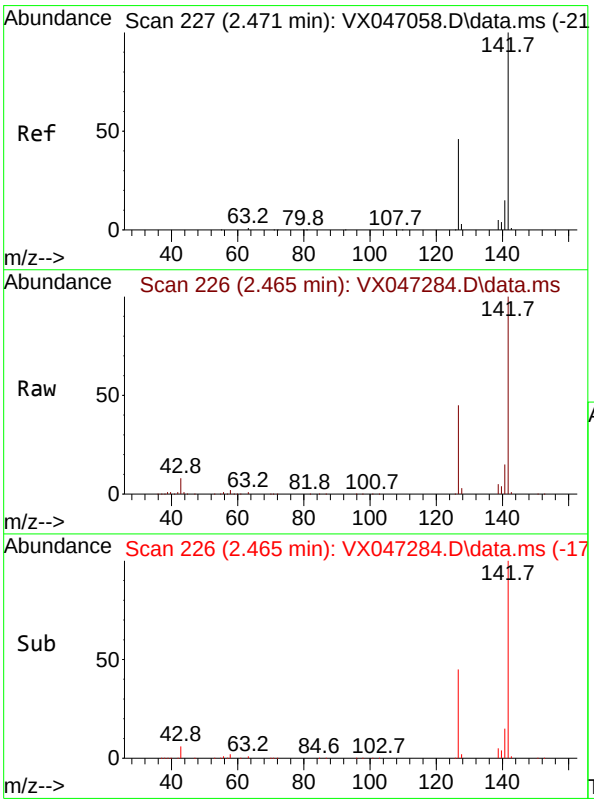
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.450 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 139422

Ion	Ratio	Lower	Upper
101	100		
85	43.7	35.4	53.0
151	74.7	59.2	88.8

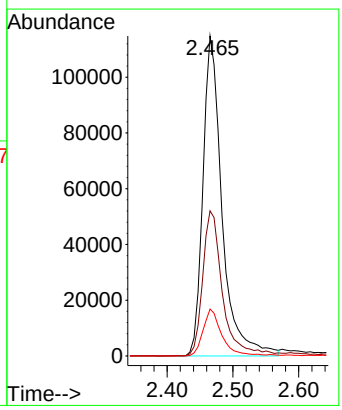


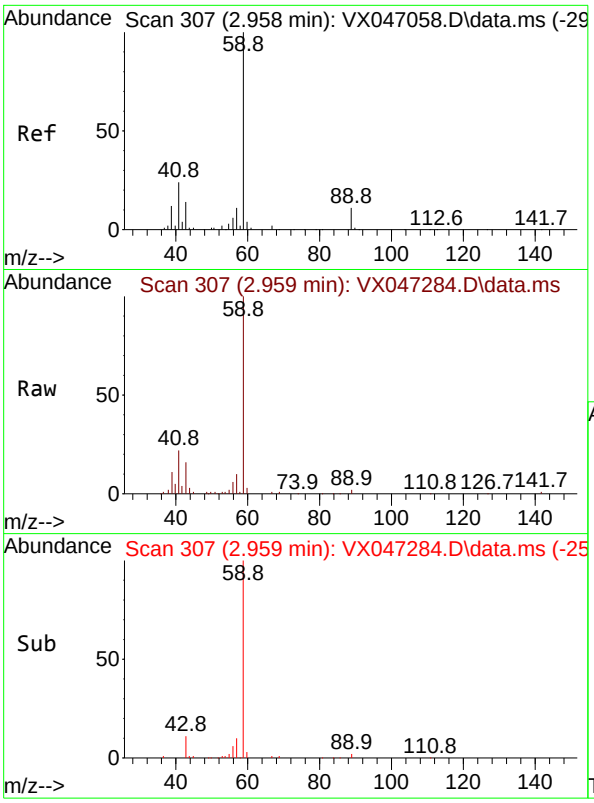


#10
Methyl Iodide
Concen: 81.141 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:142 Resp: 233157

Ion	Ratio	Lower	Upper
142	100		
127	47.1	36.6	54.8
141	14.3	10.9	16.3



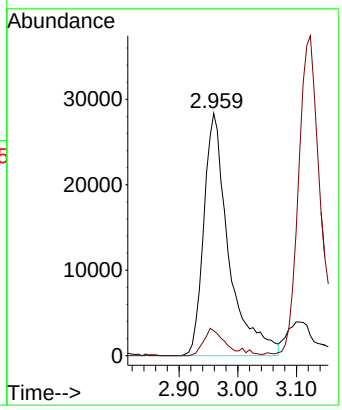


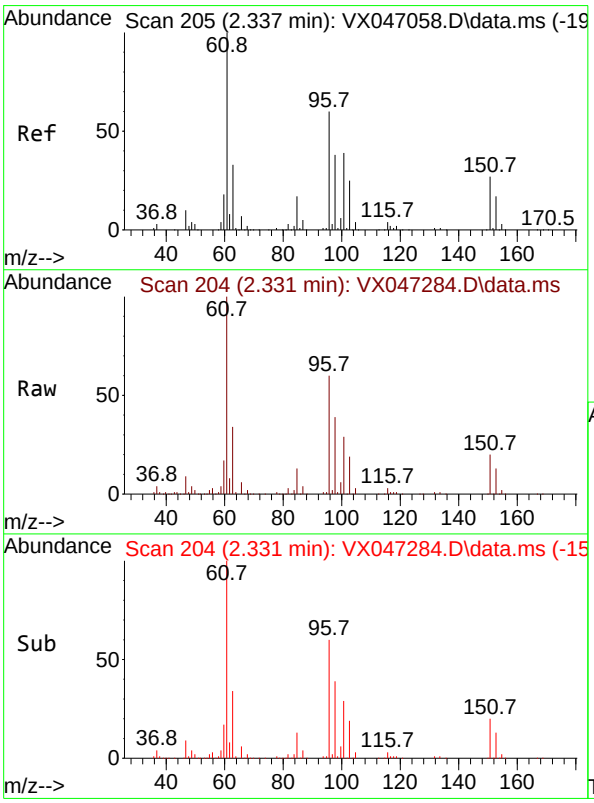
#11
Tert butyl alcohol
Concen: 259.145 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 83732

Ion	Ratio	Lower	Upper
59	100		
57	9.1	8.5	12.7

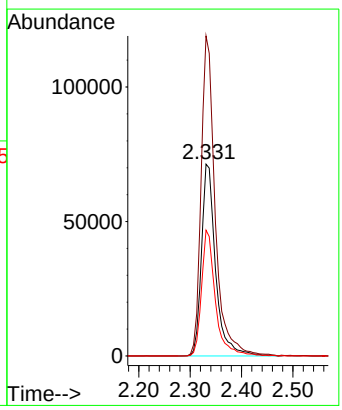


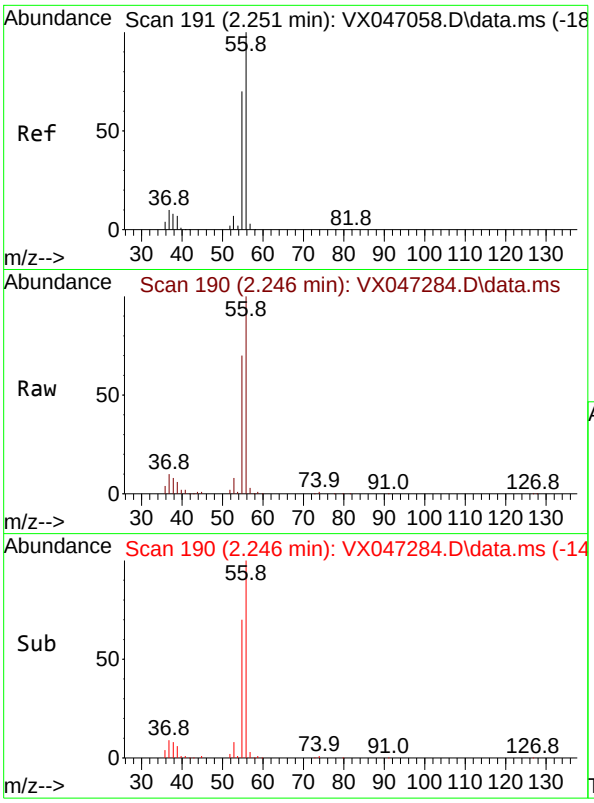


#12
1,1-Dichloroethene
Concen: 48.979 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 96 Resp: 136776

Ion	Ratio	Lower	Upper
96	100		
61	166.8	132.6	198.8
98	67.1	50.2	75.4



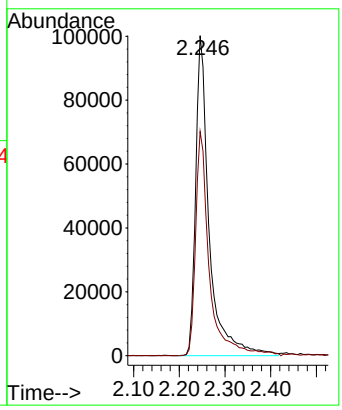


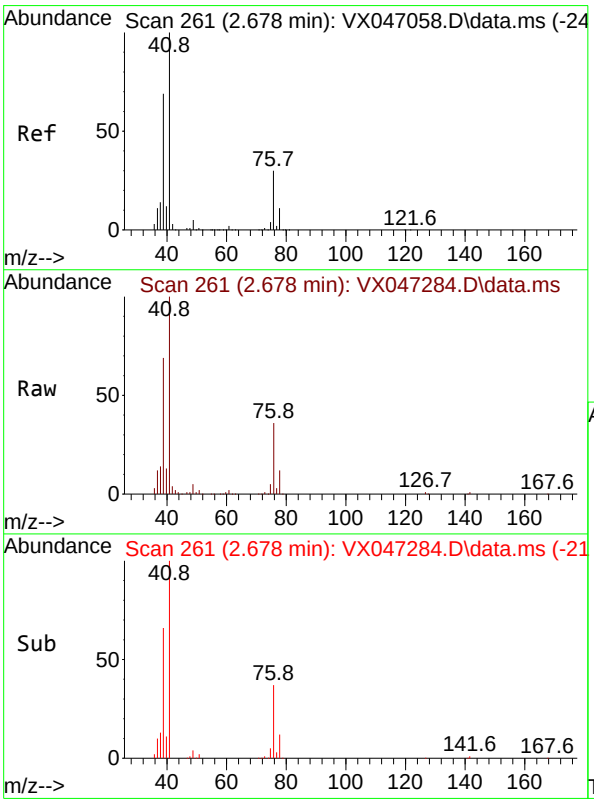
#13
Acrolein
Concen: 346.019 ug/l
RT: 2.246 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 206229

Ion	Ratio	Lower	Upper
56	100		
55	70.9	55.7	83.5

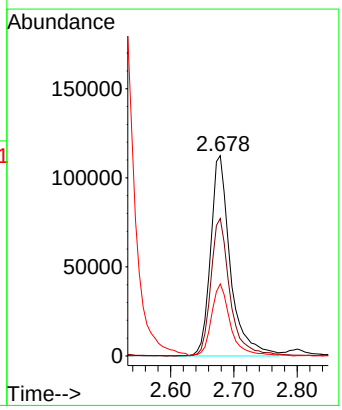


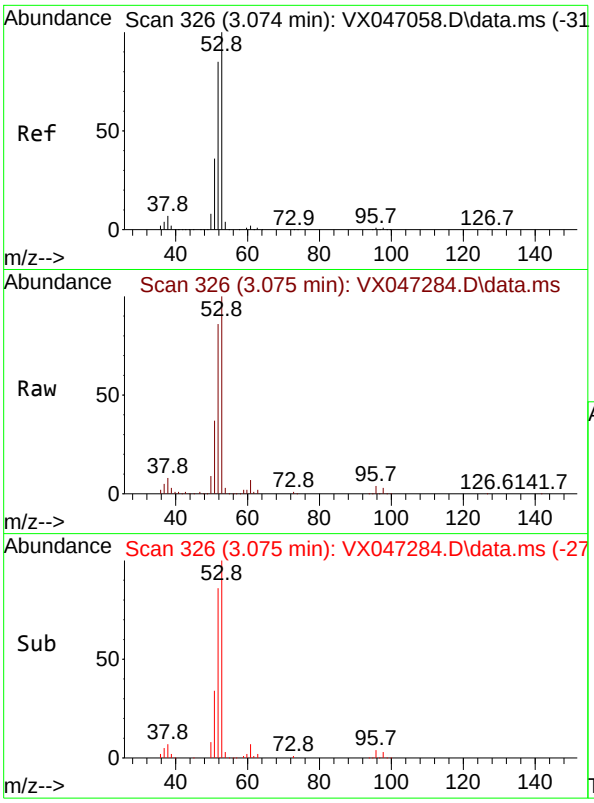


#14
Allyl chloride
Concen: 48.438 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 41 Resp: 244509

Ion	Ratio	Lower	Upper
41	100		
39	67.1	52.6	78.8
76	34.3	25.7	38.5



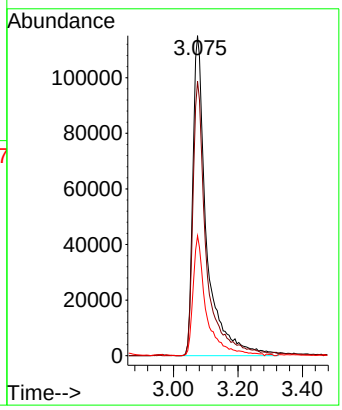


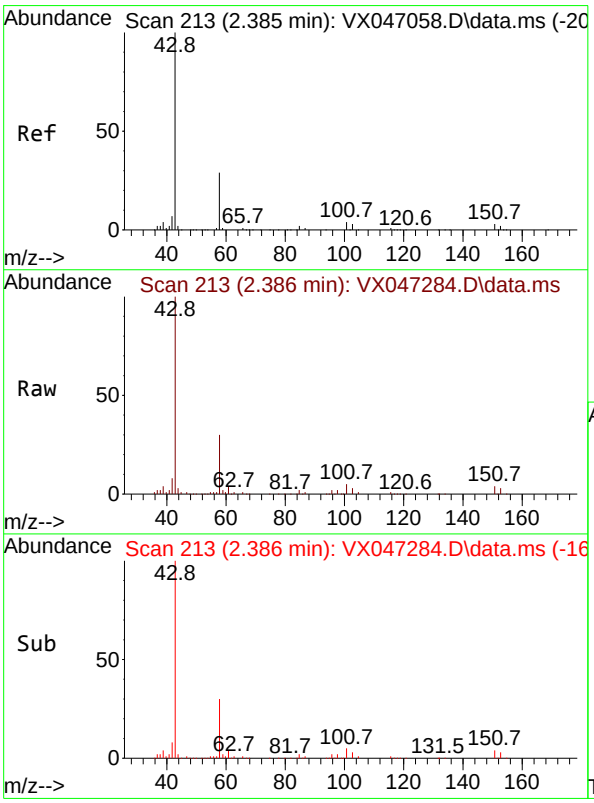
#15
Acrylonitrile
Concen: 259.583 ug/l
RT: 3.075 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 342687

Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.7	98.5
51	36.3	28.8	43.2

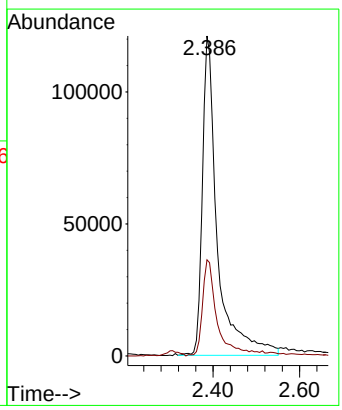


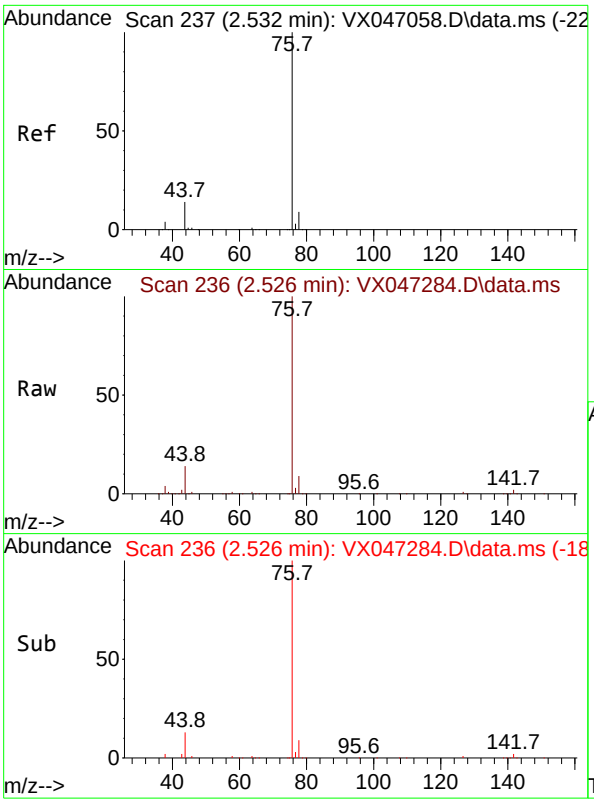


#16
Acetone
Concen: 262.311 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 43 Resp: 290870

Ion	Ratio	Lower	Upper
43	100		
58	29.7	24.0	36.0



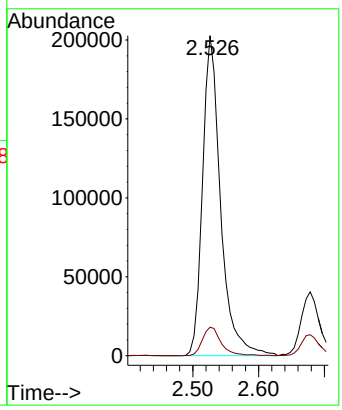


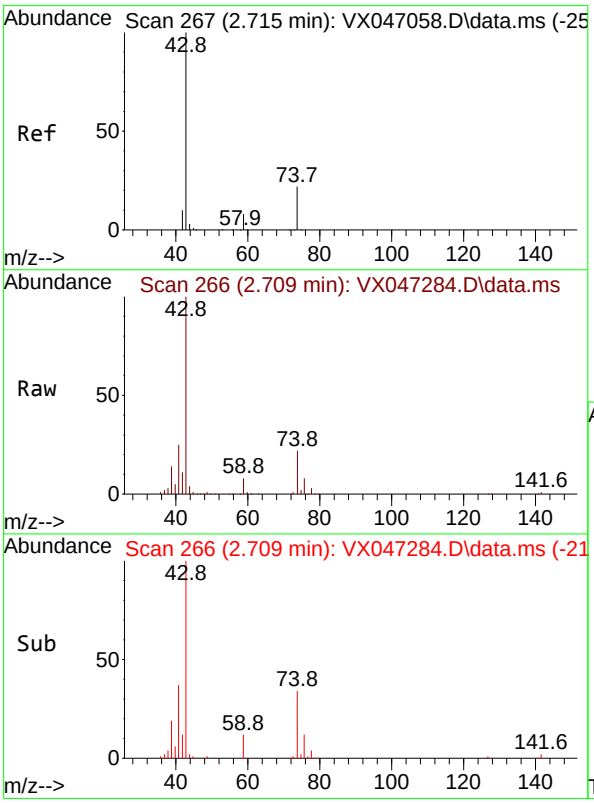
#17
Carbon Disulfide
Concen: 47.887 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 386866

Ion	Ratio	Lower	Upper
76	100		
78	8.9	7.0	10.4

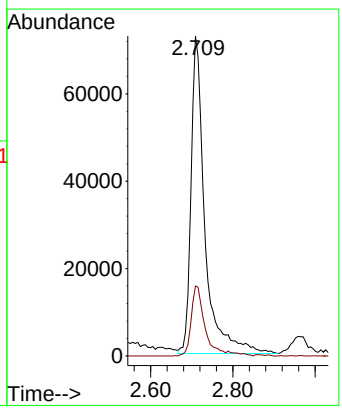


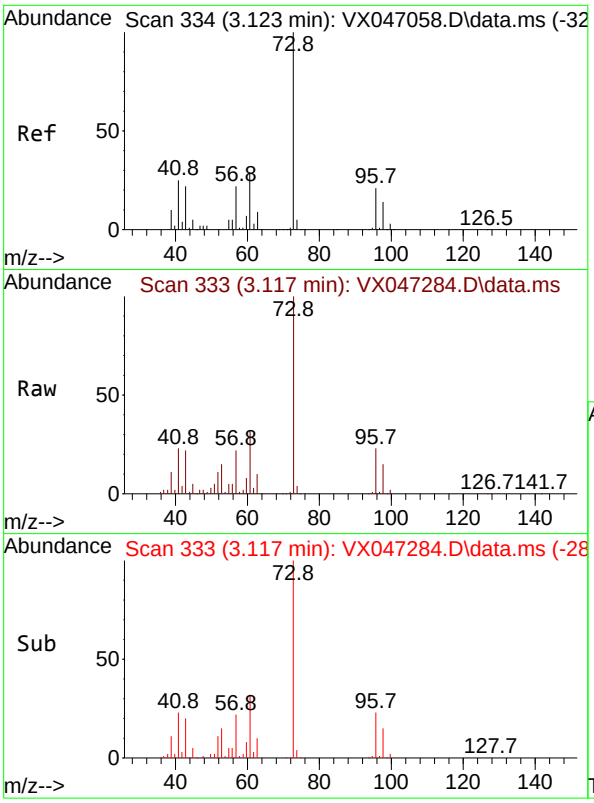


#18
Methyl Acetate
Concen: 57.839 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 43 Resp: 170441

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.7	26.5



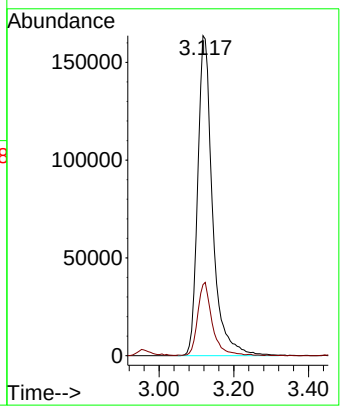


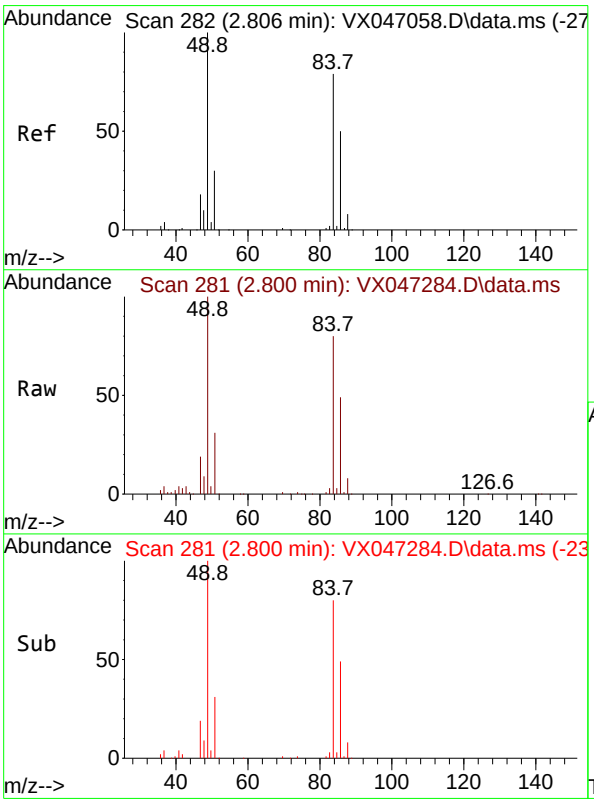
#19
Methyl tert-butyl Ether
Concen: 52.982 ug/l
RT: 3.117 min Scan# 3
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 450282

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

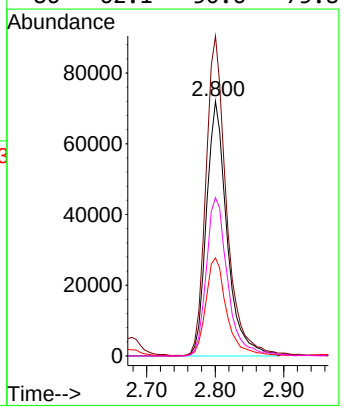


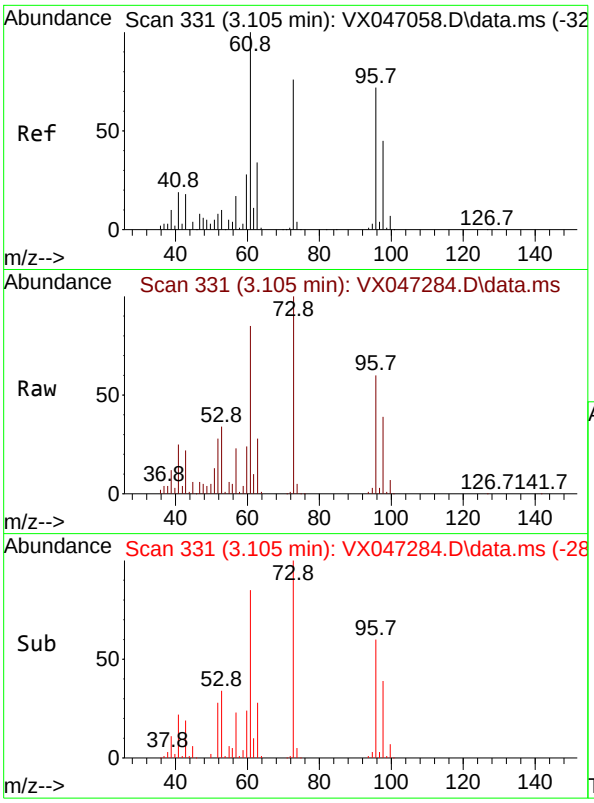


#20
Methylene Chloride
Concen: 49.181 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 84 Resp: 150032

Ion	Ratio	Lower	Upper
84	100		
49	125.4	101.6	152.4
51	38.5	30.3	45.5
86	62.1	50.6	75.8



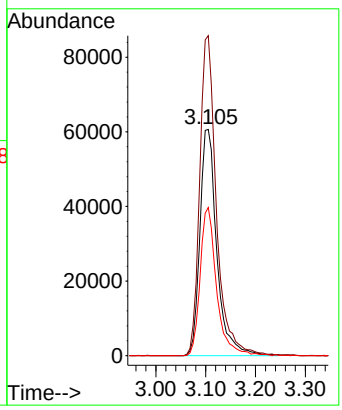


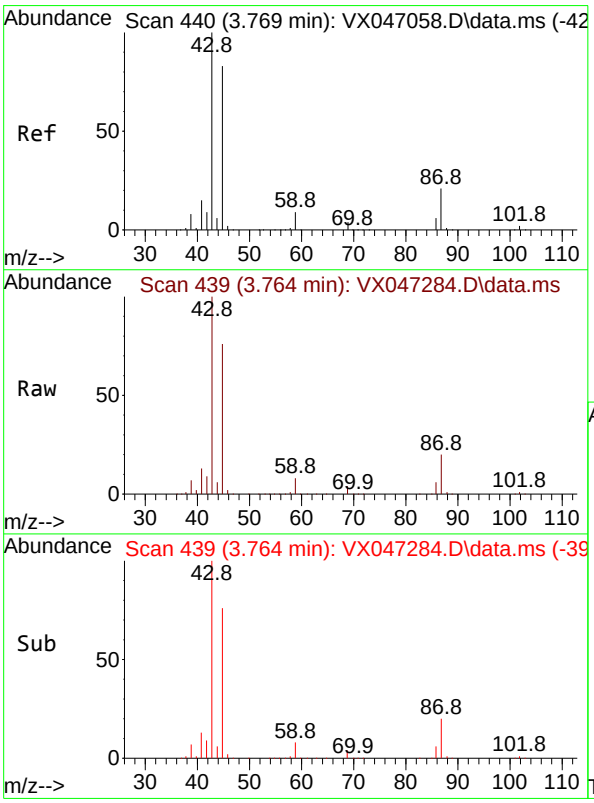
#21
trans-1,2-Dichloroethene
Concen: 50.102 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 143173

Ion	Ratio	Lower	Upper
96	100		
61	141.4	111.1	166.7
98	65.5	49.6	74.4

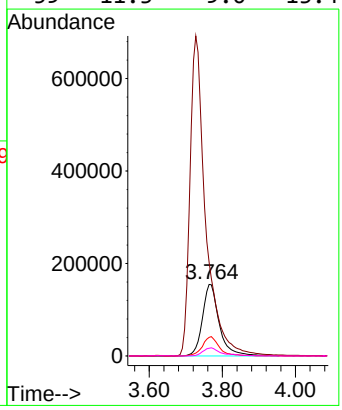


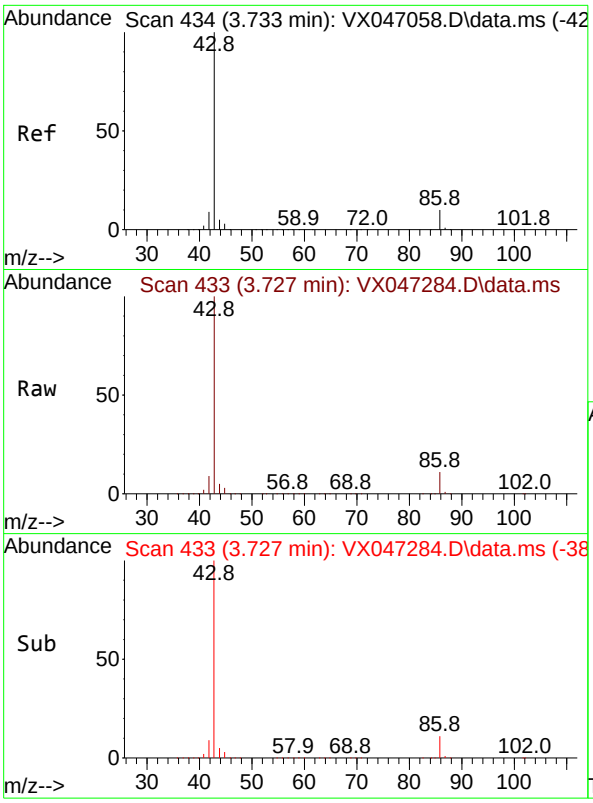


#22
Diisopropyl ether
Concen: 50.807 ug/l
RT: 3.764 min Scan# 439
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 45 Resp: 493086

Ion	Ratio	Lower	Upper
45	100		
43	130.8	96.8	145.2
87	26.0	20.5	30.7
59	11.3	9.0	13.4



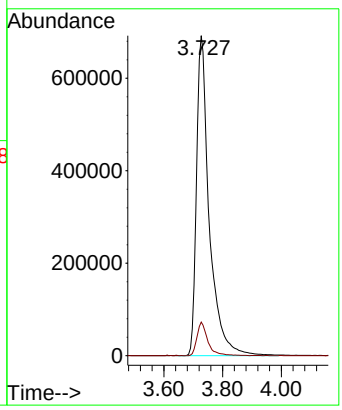


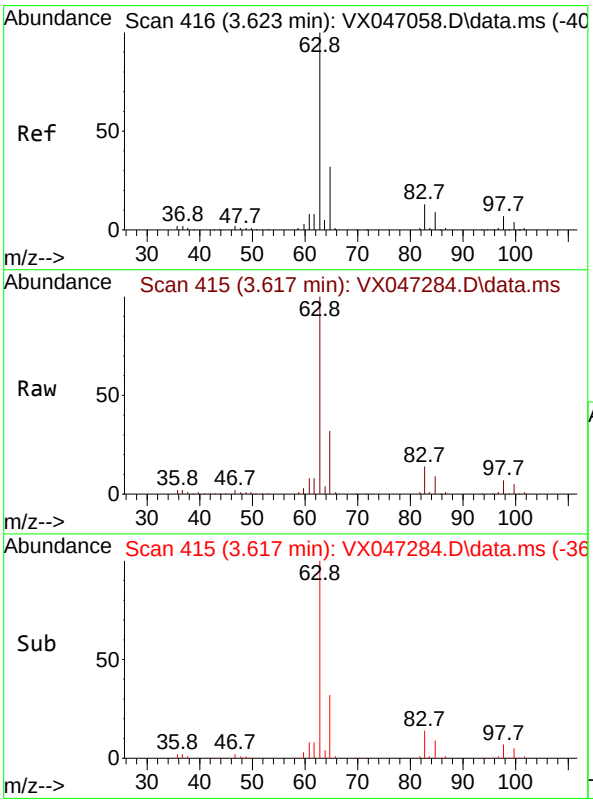
#23
Vinyl Acetate
Concen: 268.090 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 2086840

Ion	Ratio	Lower	Upper
43	100		
86	10.5	8.1	12.1

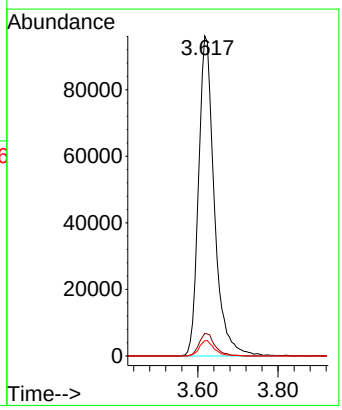


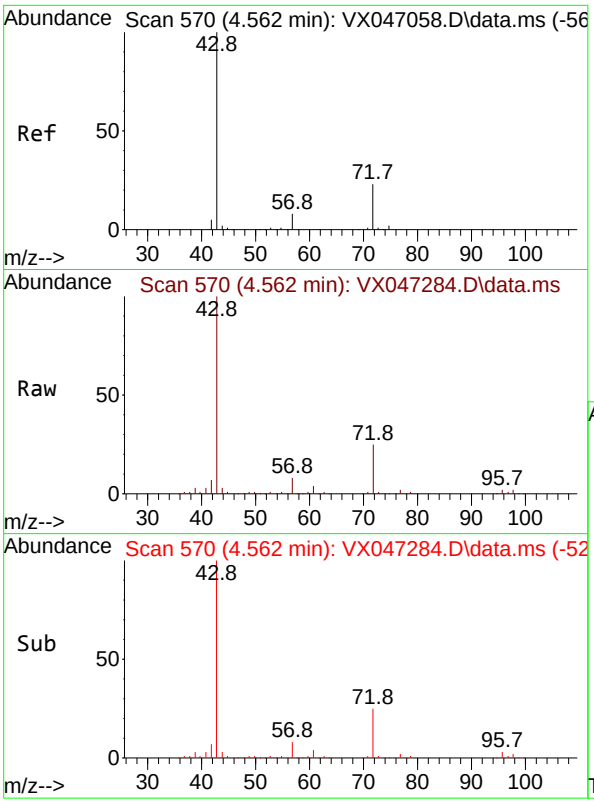


#24
1,1-Dichloroethane
Concen: 48.683 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 63 Resp: 262729

Ion	Ratio	Lower	Upper
63	100		
98	7.1	3.6	10.8
100	4.9	2.3	6.8



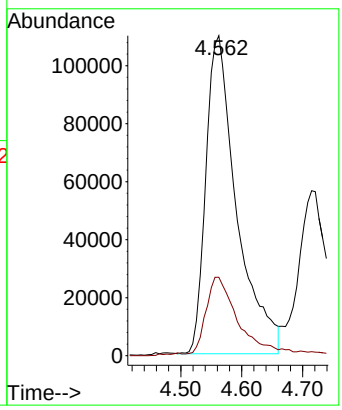


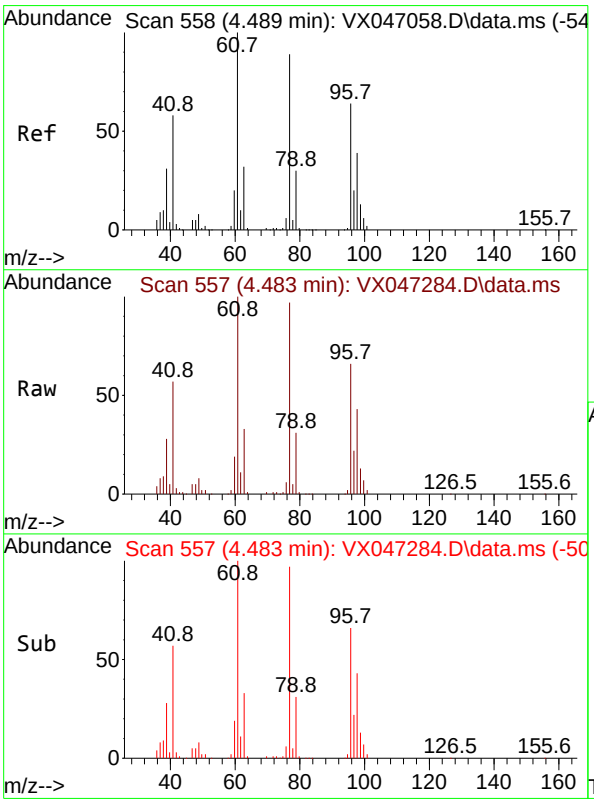
#25
2-Butanone
Concen: 239.268 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 386326

Ion	Ratio	Lower	Upper
43	100		
72	23.8	18.8	28.2

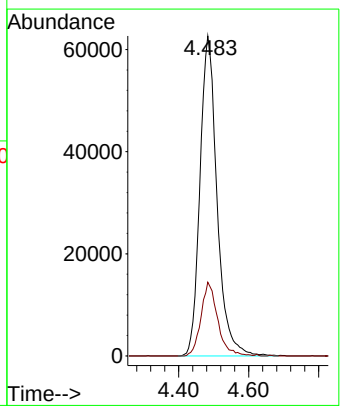


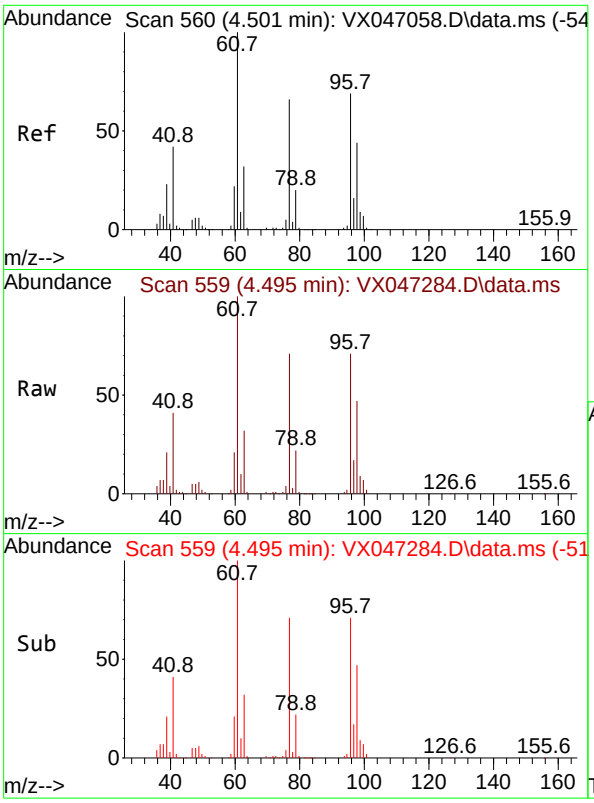


#26
2,2-Dichloropropane
Concen: 50.870 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 77 Resp: 212515

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.1



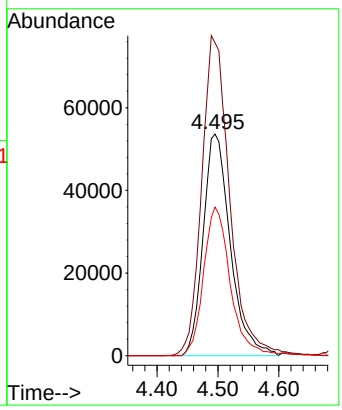


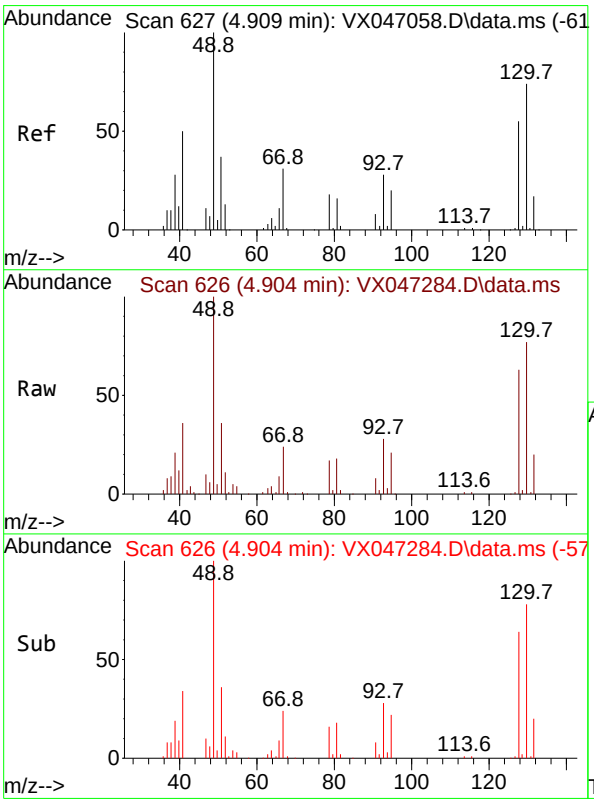
#27
cis-1,2-Dichloroethene
Concen: 49.083 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 166093

Ion	Ratio	Lower	Upper
96	100		
61	149.1	0.0	298.6
98	66.4	0.0	128.8

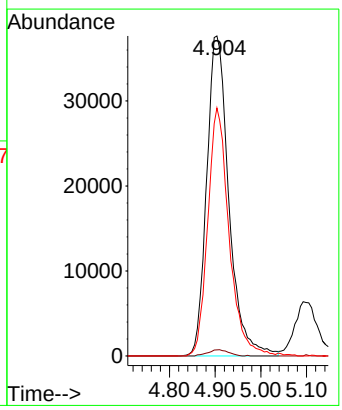


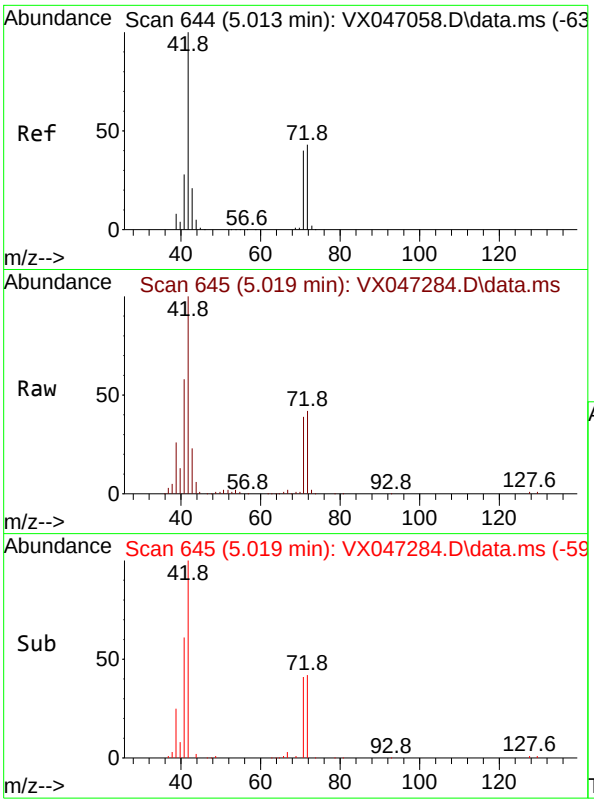


#28
Bromochloromethane
Concen: 51.137 ug/l
RT: 4.904 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 49 Resp: 126965

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	74.3	59.0	88.4



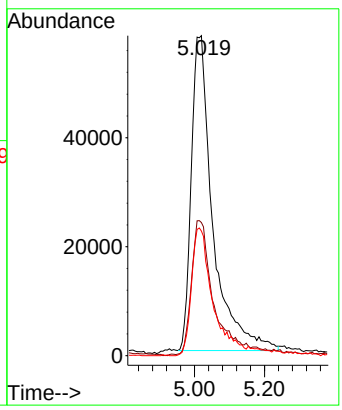


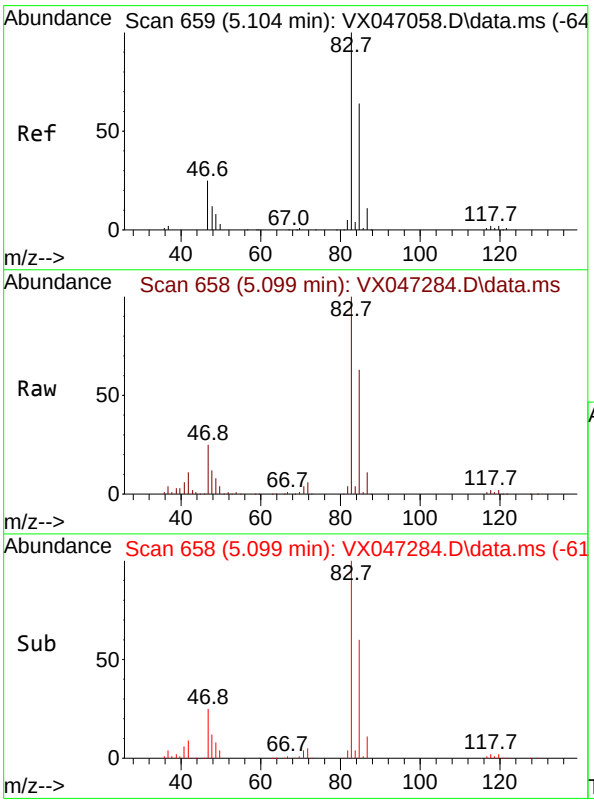
#29
Tetrahydrofuran
Concen: 237.470 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.007 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 247390

Ion	Ratio	Lower	Upper
42	100		
72	42.6	33.7	50.5
71	39.9	31.0	46.4

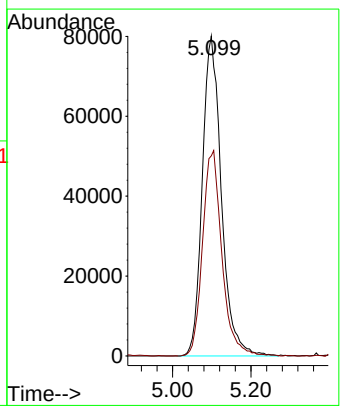


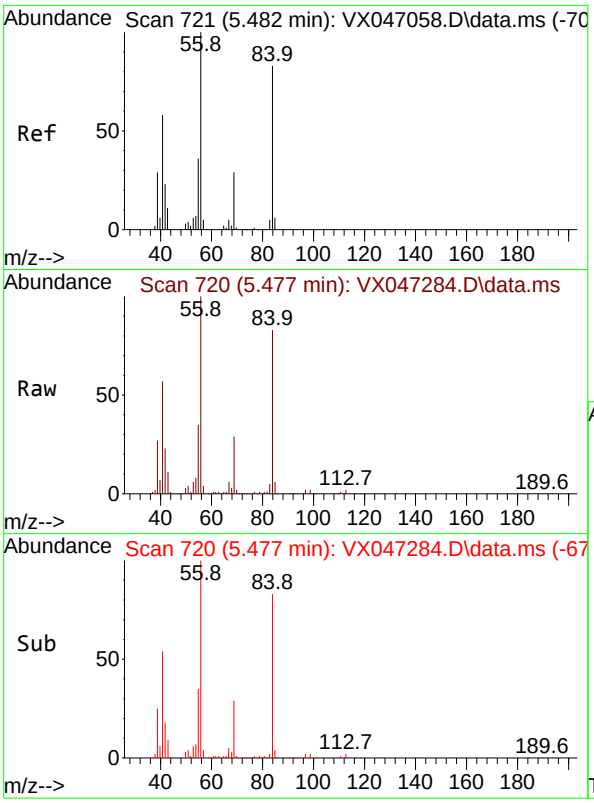


#30
Chloroform
Concen: 49.242 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 83 Resp: 270514

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.9	76.3



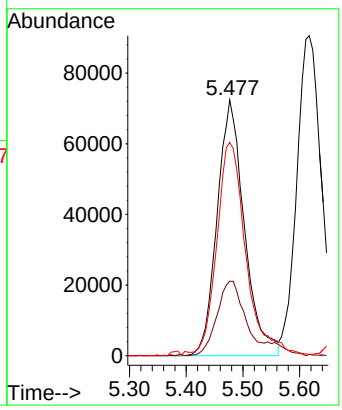


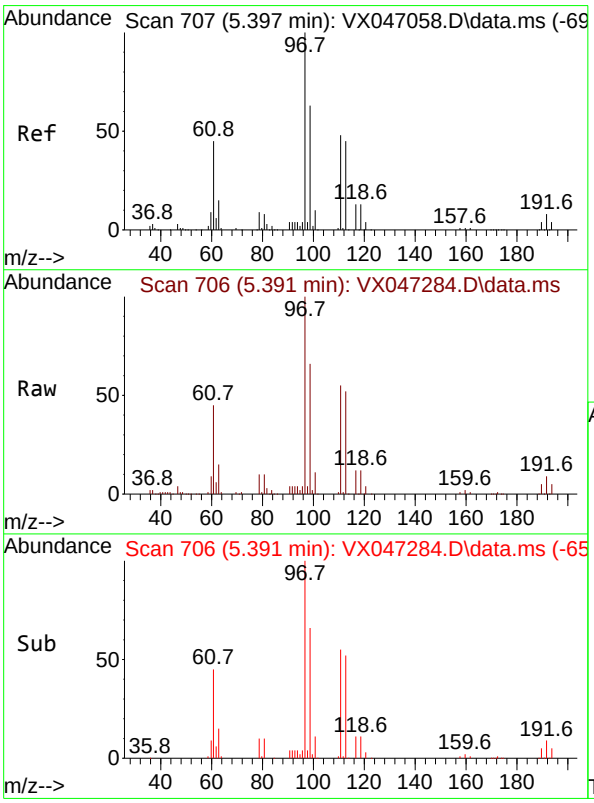
#31
Cyclohexane
Concen: 46.661 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 241451

Ion	Ratio	Lower	Upper
56	100		
69	28.8	23.3	34.9
84	81.7	66.5	99.7

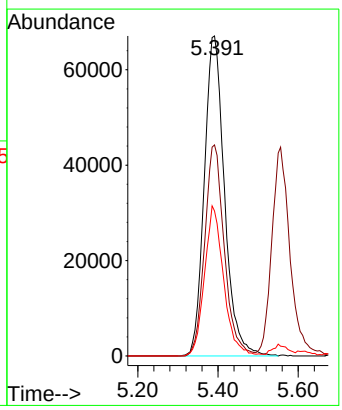


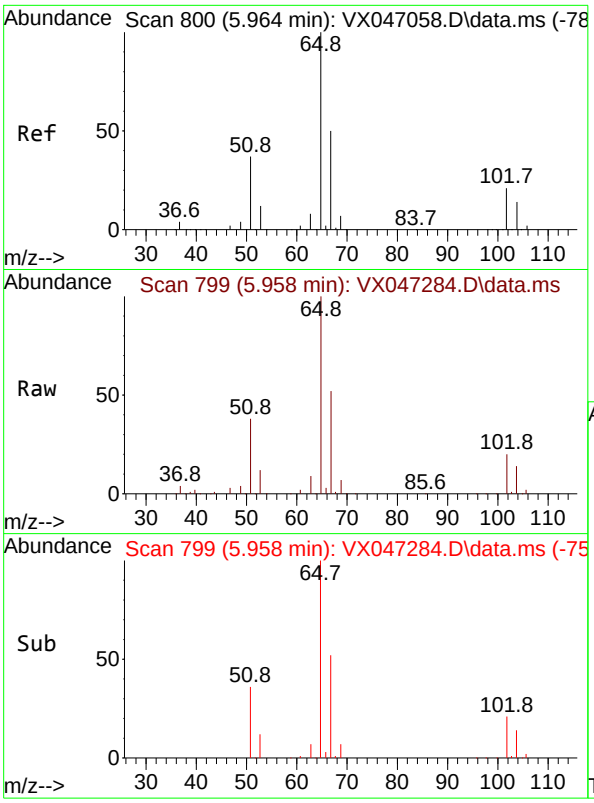


#32
1,1,1-Trichloroethane
Concen: 49.285 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 97 Resp: 235167

Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.2	76.8
61	44.5	37.1	55.7



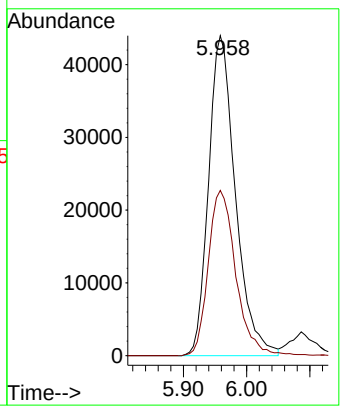


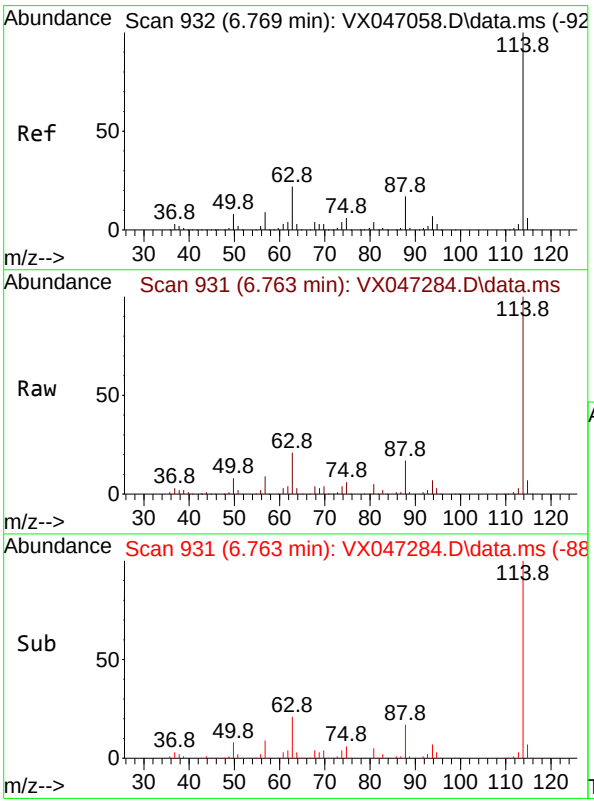
#33
1,2-Dichloroethane-d4
Concen: 46.806 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 129559

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	104.8

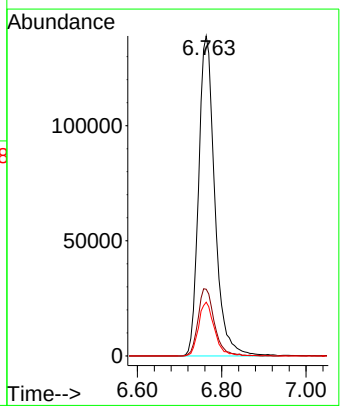


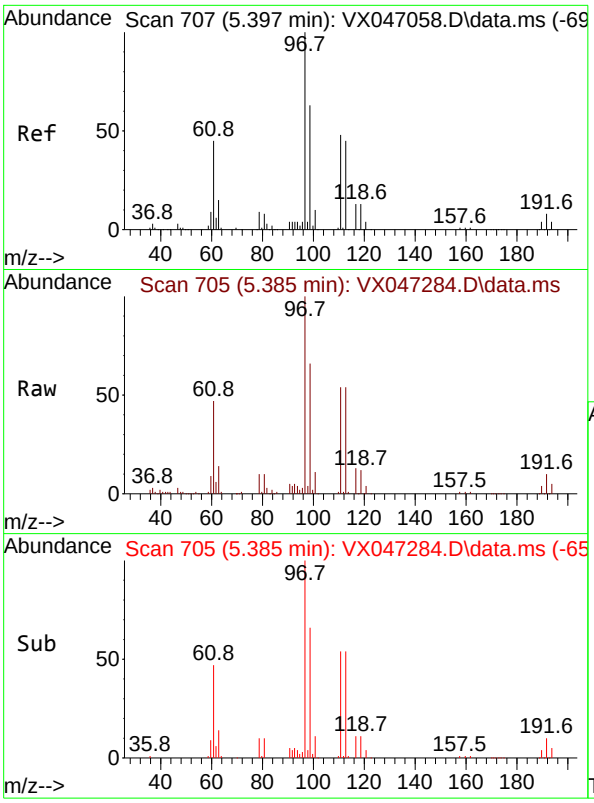


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:114 Resp: 370615

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	43.2
88	16.8	0.0	33.8



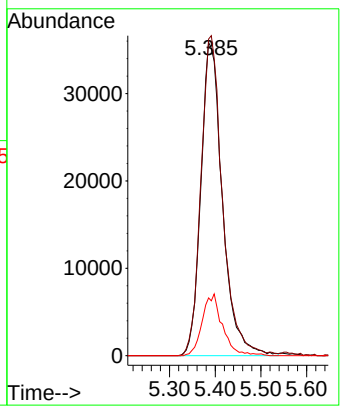


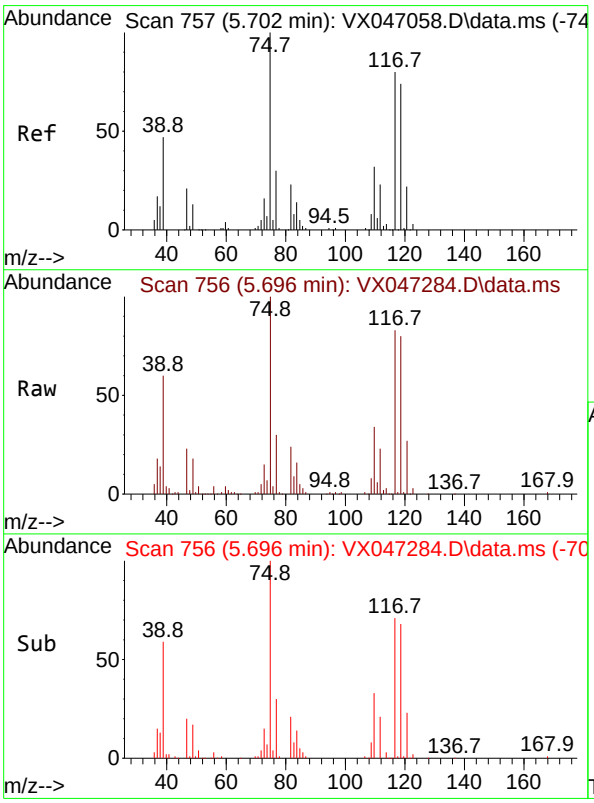
#35
Dibromofluoromethane
Concen: 51.356 ug/l
RT: 5.385 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 117517

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.6	124.0
192	18.5	14.9	22.3

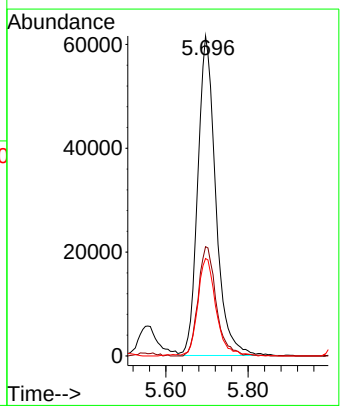


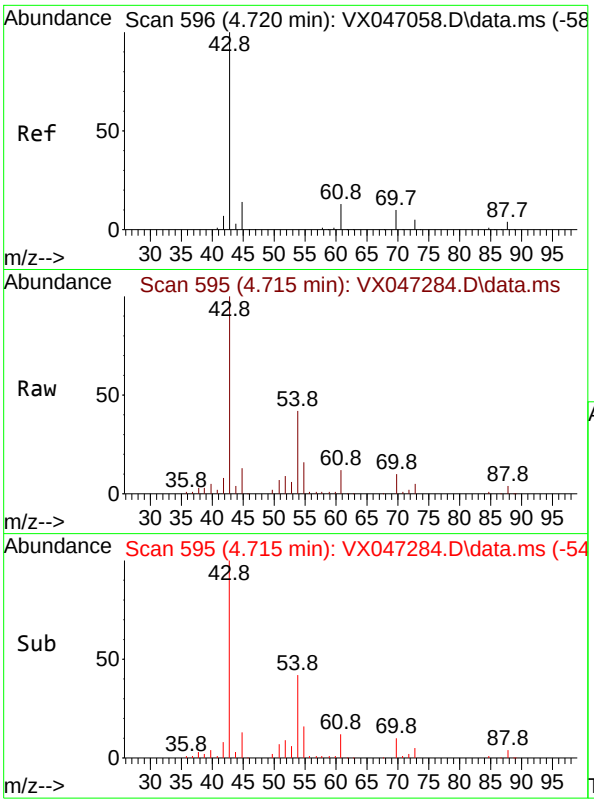


#36
1,1-Dichloropropene
Concen: 47.793 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 75 Resp: 186422

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.2	51.5
77	31.0	25.1	37.7



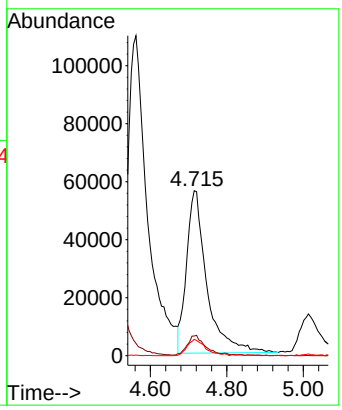


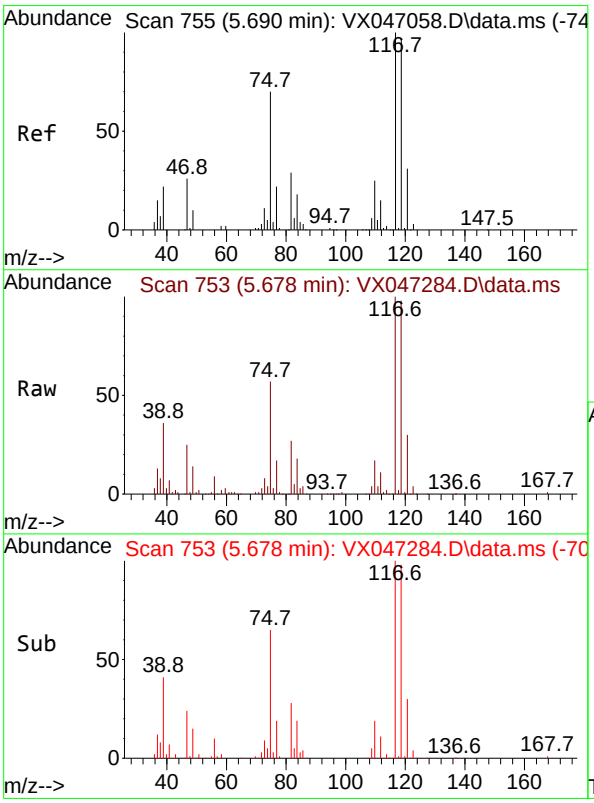
#37
Ethyl Acetate
Concen: 57.688 ug/l
RT: 4.715 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 207345

Ion	Ratio	Lower	Upper
43	100		
61	11.1	10.2	15.2
70	9.0	8.1	12.1

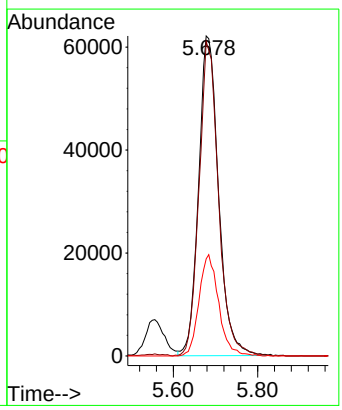


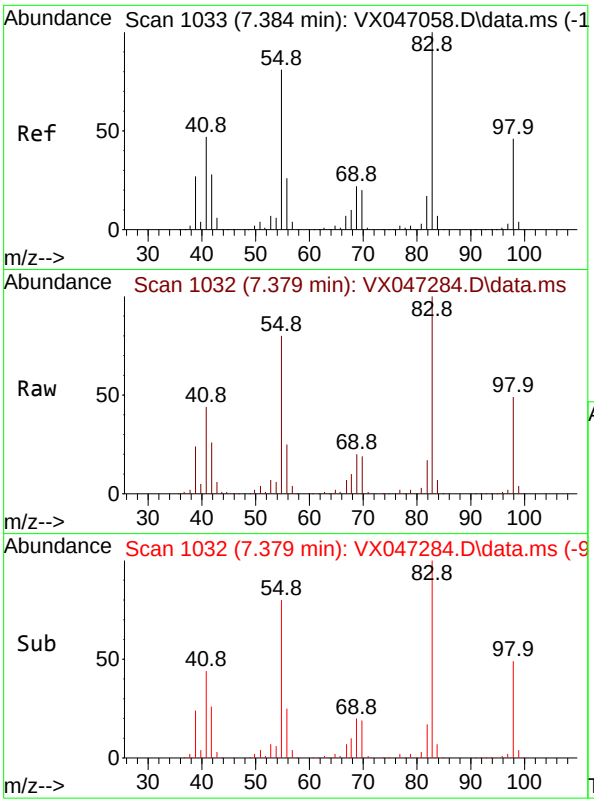


#38
Carbon Tetrachloride
Concen: 49.200 ug/l
RT: 5.678 min Scan# 753
Delta R.T. -0.012 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:117 Resp: 204829

Ion	Ratio	Lower	Upper
117	100		
119	98.4	76.6	115.0
121	30.4	24.4	36.6



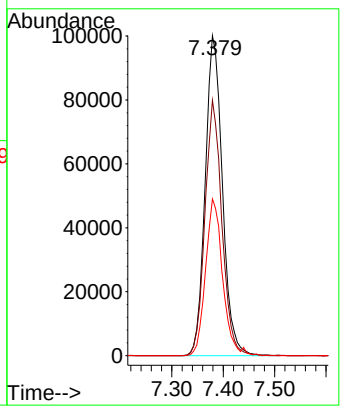


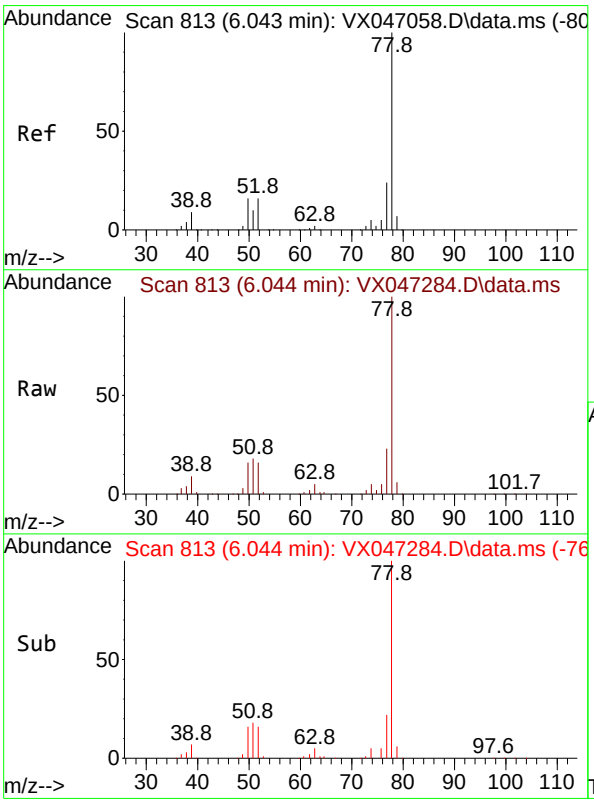
#39
Methylcyclohexane
Concen: 47.804 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 232810

Ion	Ratio	Lower	Upper
83	100		
55	79.8	64.5	96.7
98	49.0	36.9	55.3

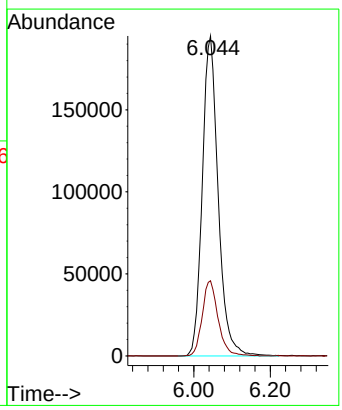


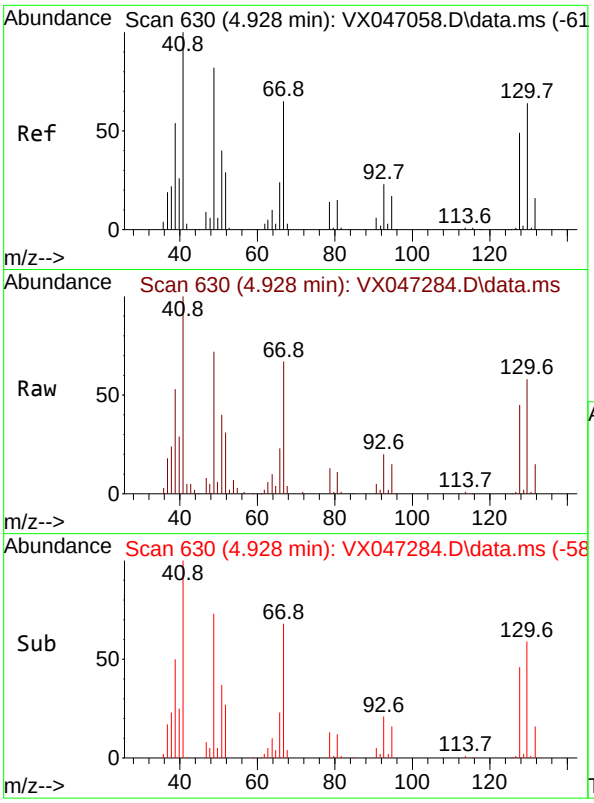


#40
Benzene
Concen: 49.740 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 78 Resp: 561481

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4



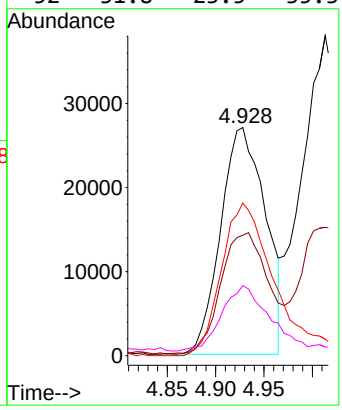


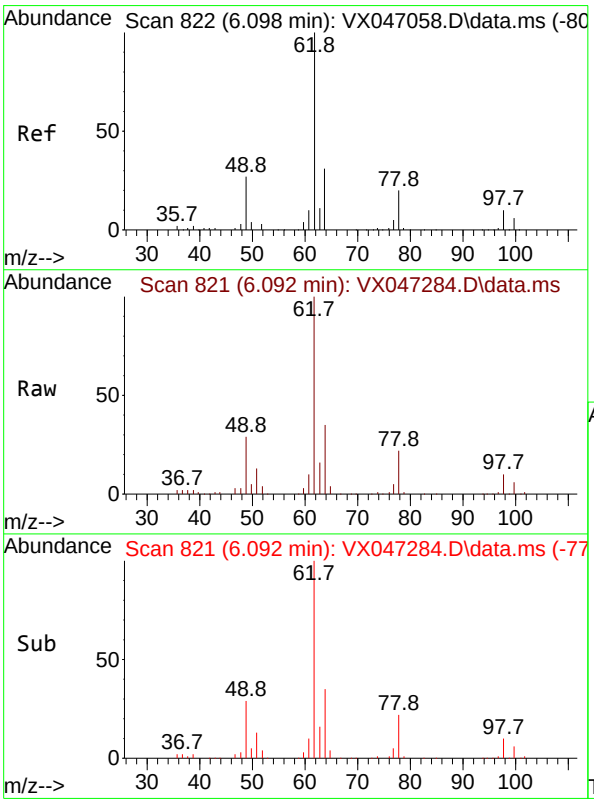
#41
Methacrylonitrile
Concen: 46.227 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 86875

Ion	Ratio	Lower	Upper
41	100		
39	57.6	44.2	66.2
67	83.7	56.4	84.6
52	31.8	23.5	35.3

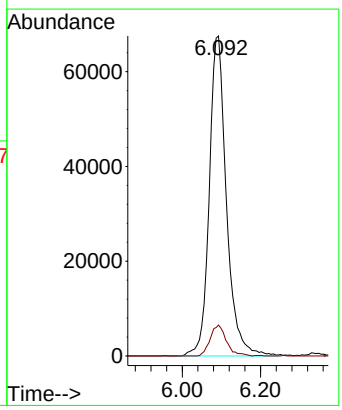


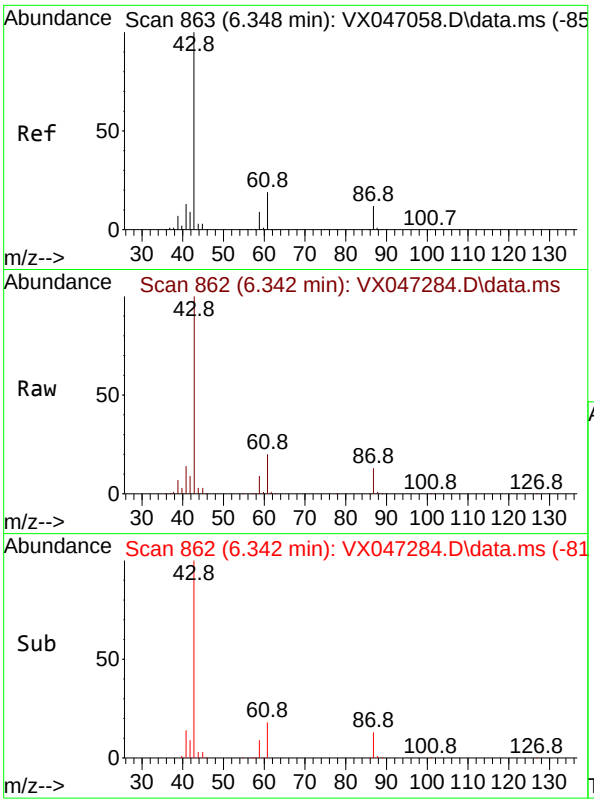


#42
1,2-Dichloroethane
Concen: 51.566 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 62 Resp: 205046

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8



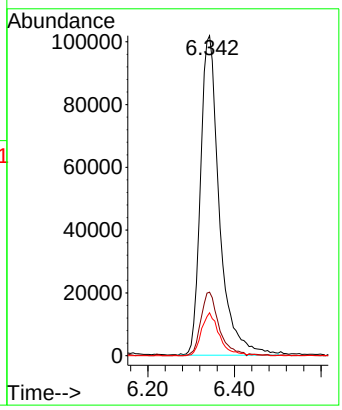


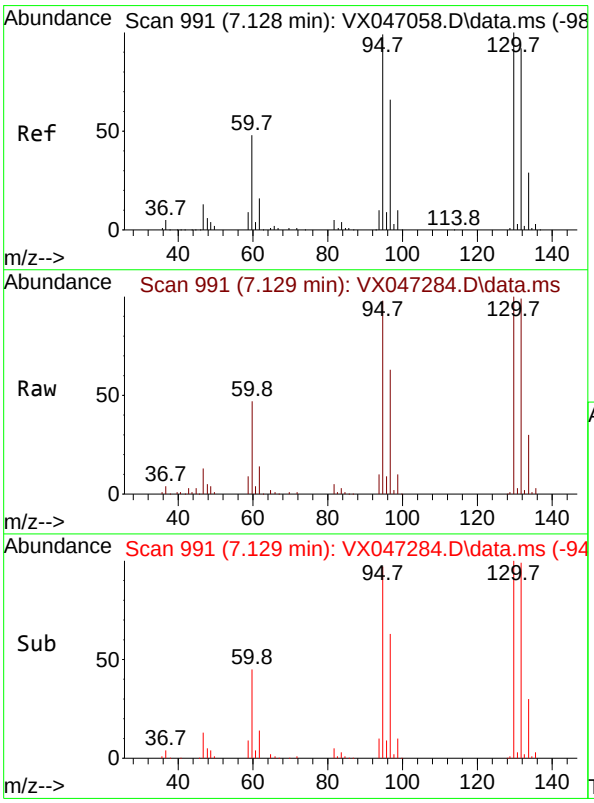
#43
Isopropyl Acetate
Concen: 54.939 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 307837

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	12.9	9.7	14.5

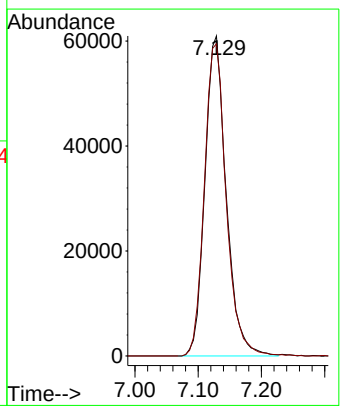


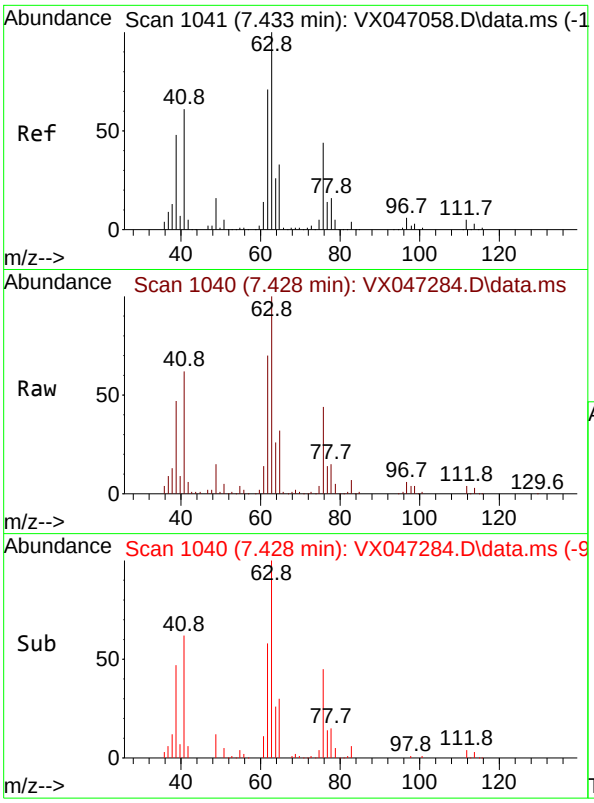


#44
Trichloroethene
Concen: 49.268 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:130 Resp: 142617

Ion	Ratio	Lower	Upper
130	100		
95	97.6	0.0	198.6



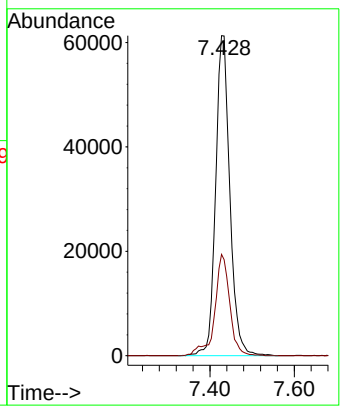


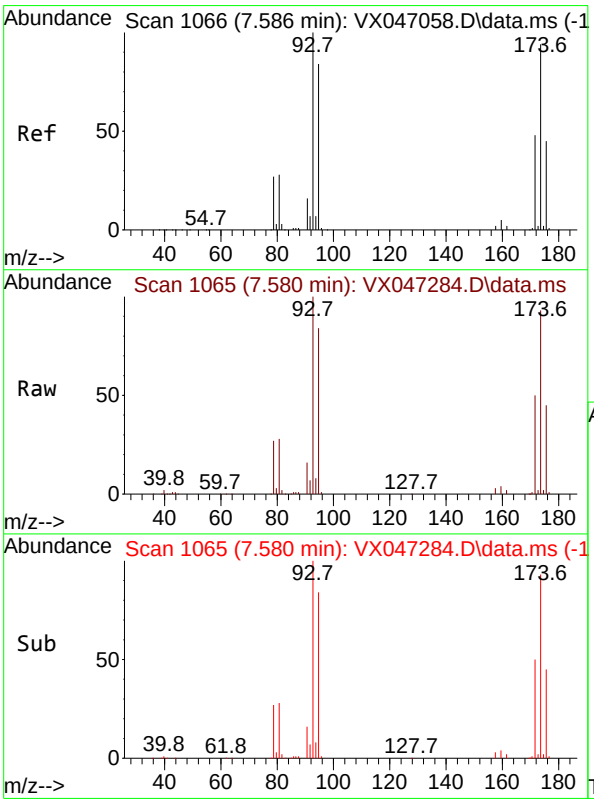
#45
1,2-Dichloropropane
Concen: 50.611 ug/l
RT: 7.428 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 143089

Ion	Ratio	Lower	Upper
63	100		
65	31.6	26.3	39.5

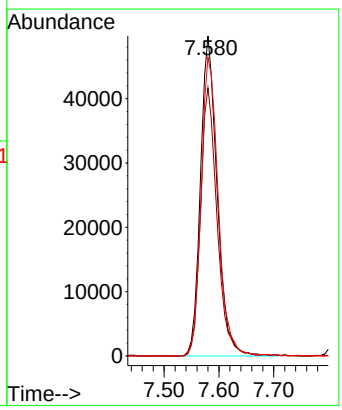


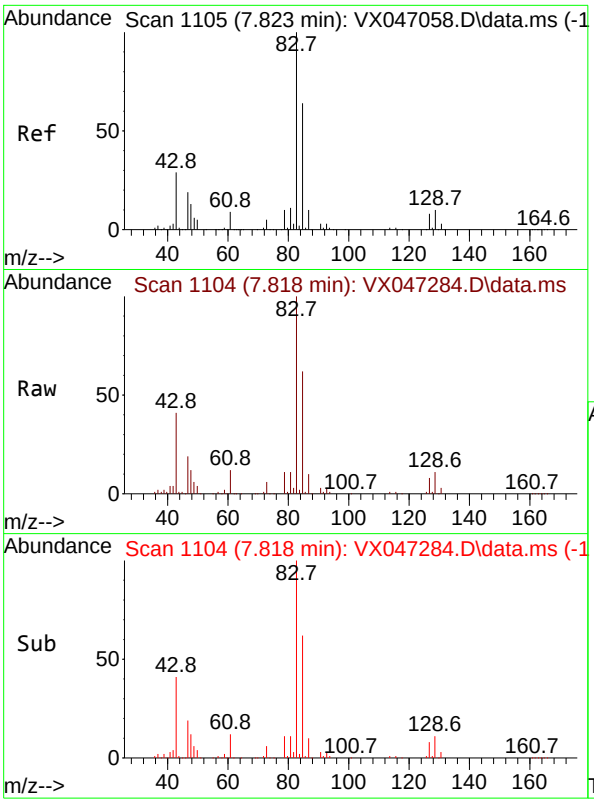


#46
Dibromomethane
Concen: 52.854 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 93 Resp: 104791

Ion	Ratio	Lower	Upper
93	100		
95	83.1	65.9	98.9
174	95.0	74.6	112.0



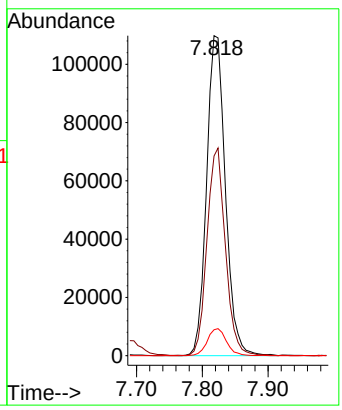


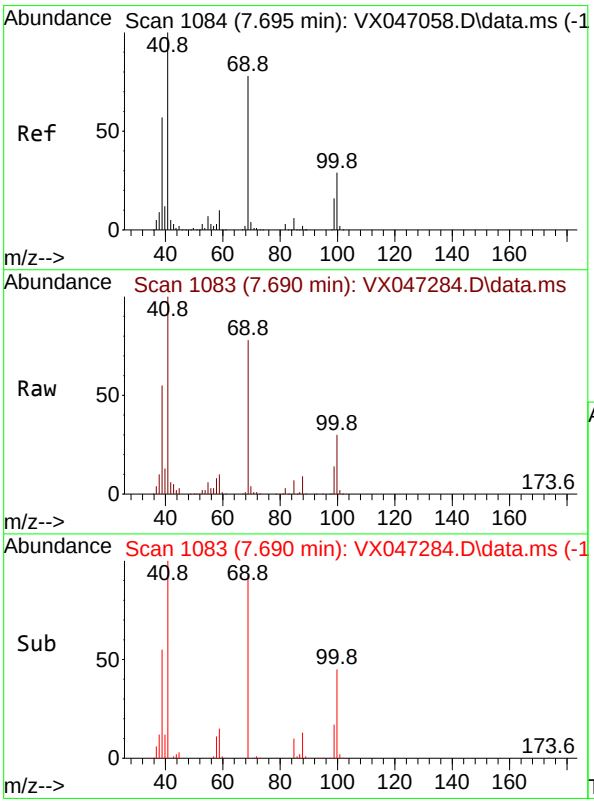
#47
Bromodichloromethane
Concen: 51.865 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 218872

Ion	Ratio	Lower	Upper
83	100		
85	63.1	49.9	74.9
127	8.1	6.6	10.0

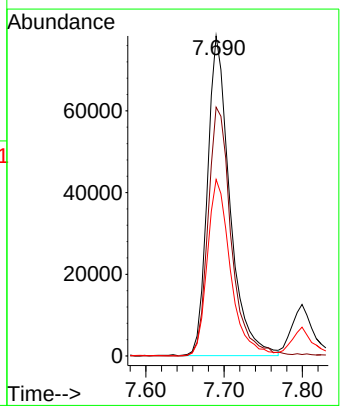


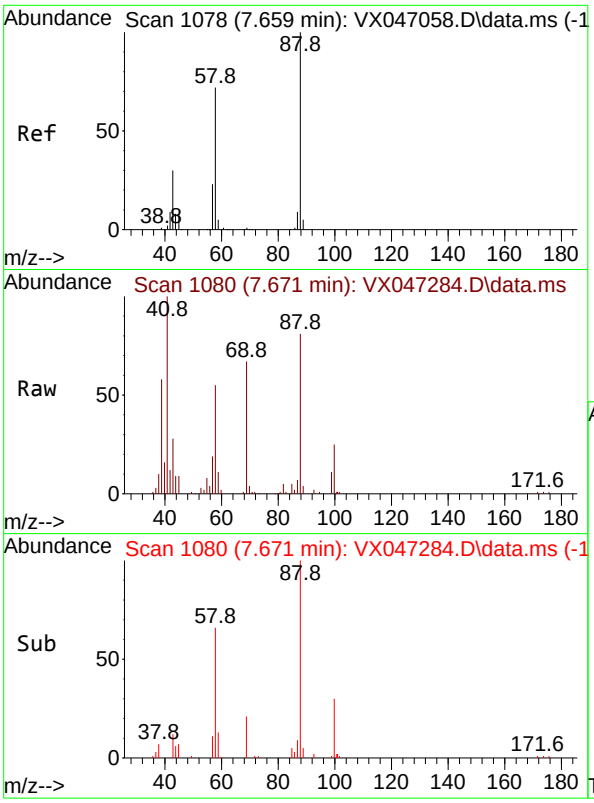


#48
Methyl methacrylate
Concen: 50.837 ug/l
RT: 7.690 min Scan# 1083
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 41 Resp: 155179

Ion	Ratio	Lower	Upper
41	100		
69	80.7	62.3	93.5
39	57.5	44.8	67.2



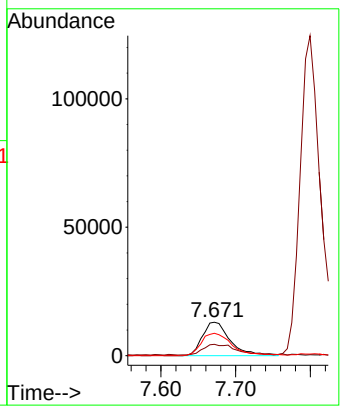


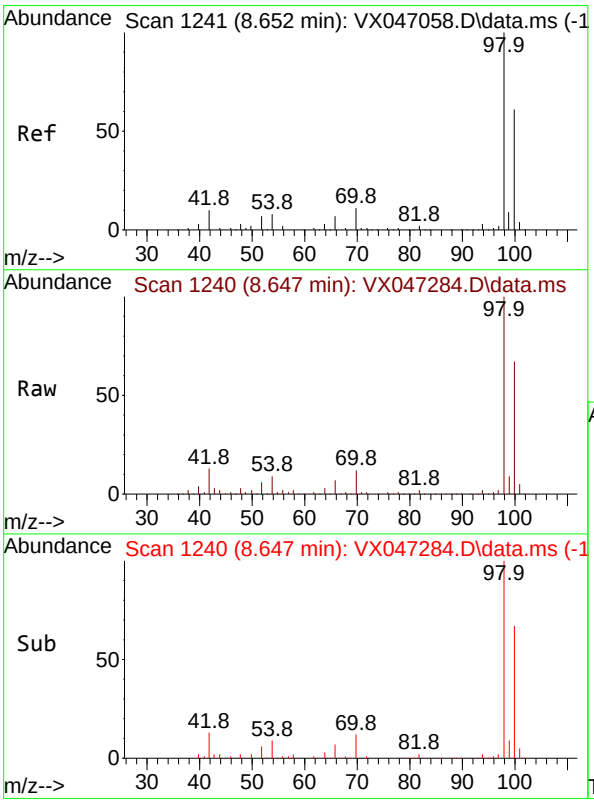
#49
1,4-Dioxane
Concen: 972.087 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 33749

Ion	Ratio	Lower	Upper
88	100		
43	37.2	33.6	50.4
58	74.5	58.8	88.2

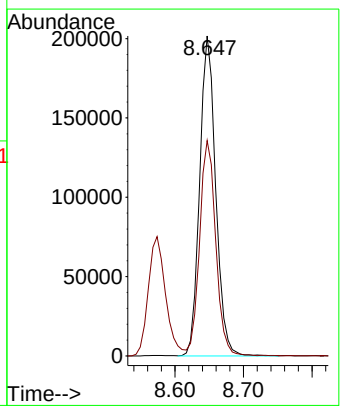


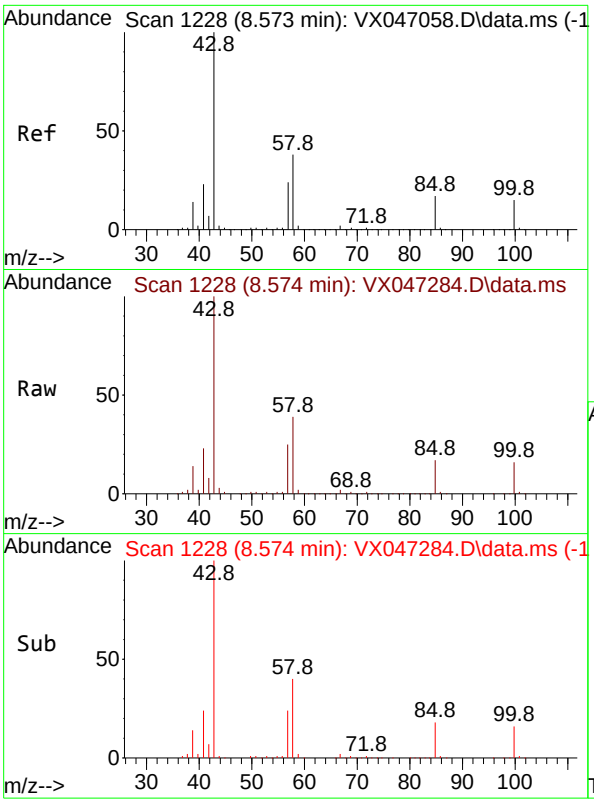


#50
Toluene-d8
Concen: 44.372 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 98 Resp: 328825

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.3	79.9



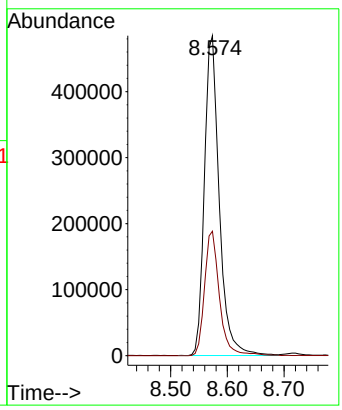


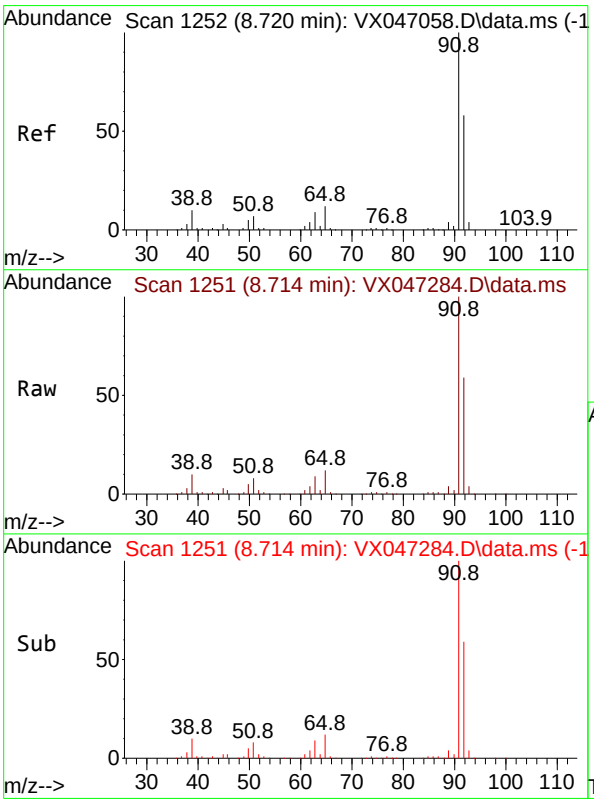
#51
4-Methyl-2-Pentanone
Concen: 264.926 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 882345

Ion	Ratio	Lower	Upper
43	100		
58	39.1	30.6	45.8

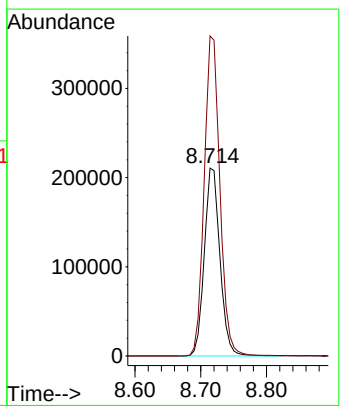


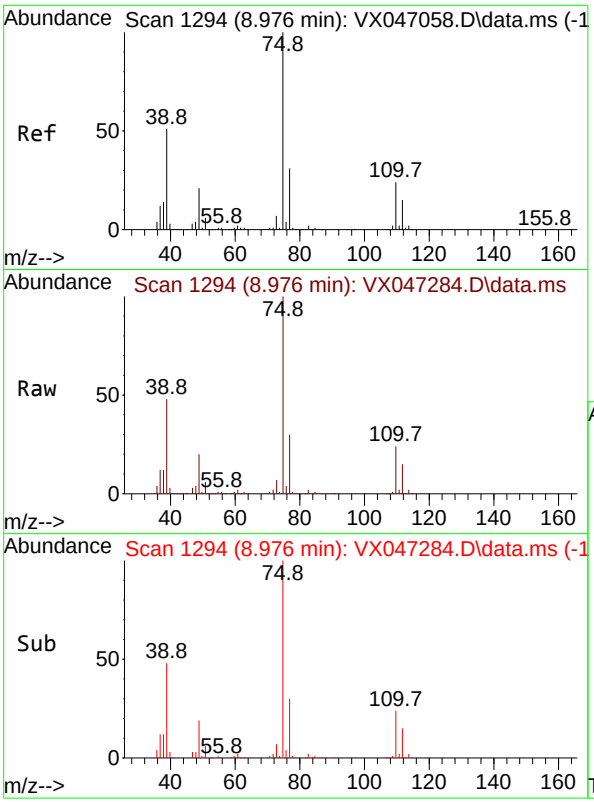


#52
Toluene
Concen: 50.178 ug/l
RT: 8.714 min Scan# 1251
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 92 Resp: 348287

Ion	Ratio	Lower	Upper
92	100		
91	171.3	137.9	206.9



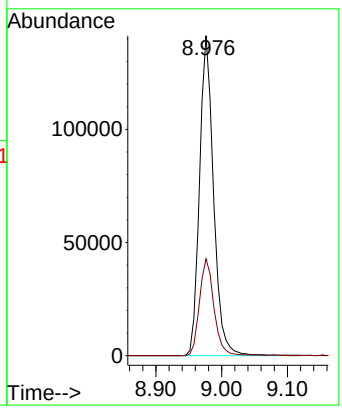


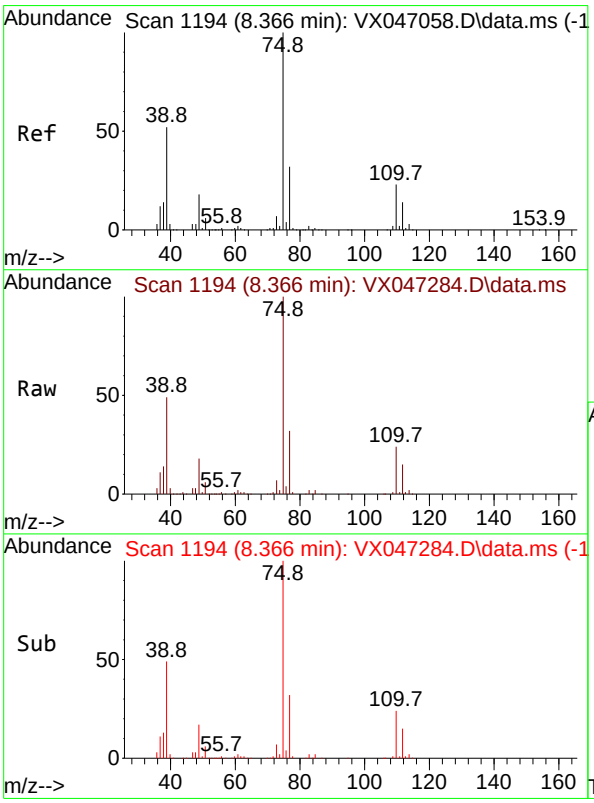
#53
t-1,3-Dichloropropene
Concen: 52.654 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 209827

Ion	Ratio	Lower	Upper
75	100		
77	30.3	24.5	36.7

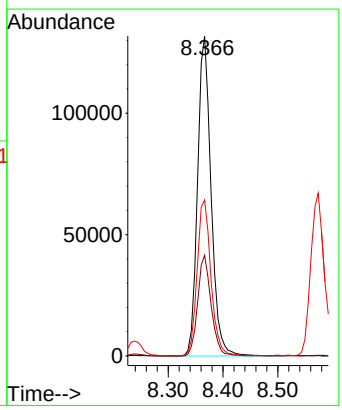


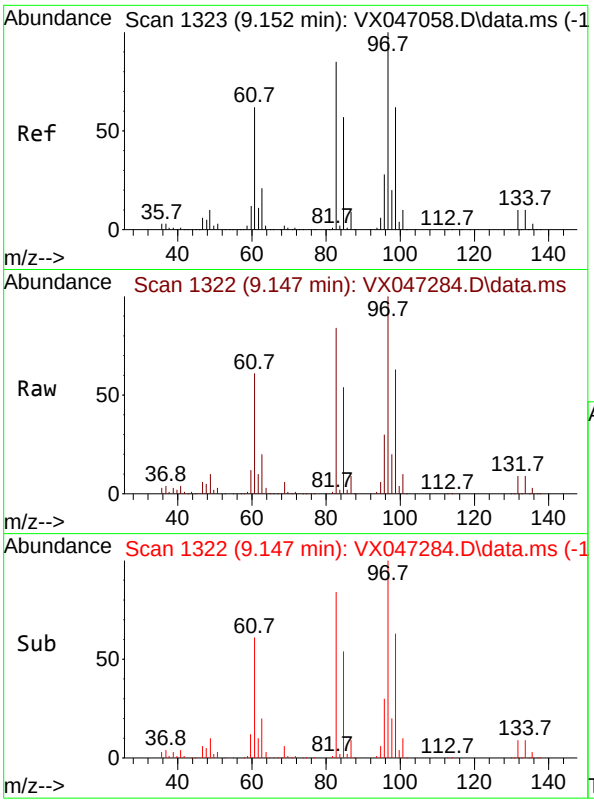


#54
cis-1,3-Dichloropropene
Concen: 51.782 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 75 Resp: 225848

Ion	Ratio	Lower	Upper
75	100		
77	31.5	25.4	38.0
39	48.1	41.8	62.6



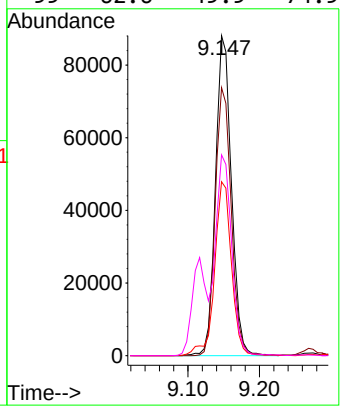


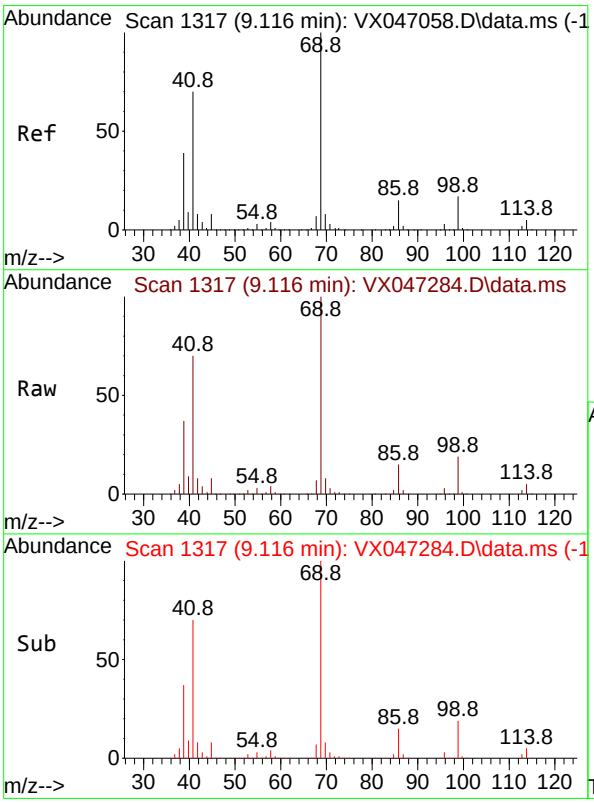
#55
1,1,2-Trichloroethane
Concen: 52.358 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 136289

Ion	Ratio	Lower	Upper
97	100		
83	83.7	68.0	102.0
85	54.3	45.2	67.8
99	62.6	49.9	74.9

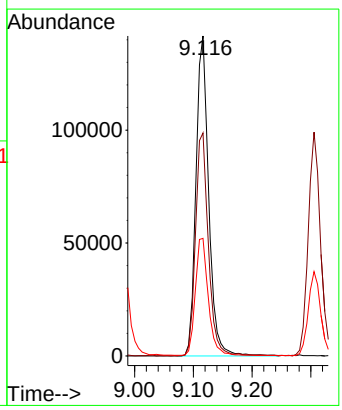


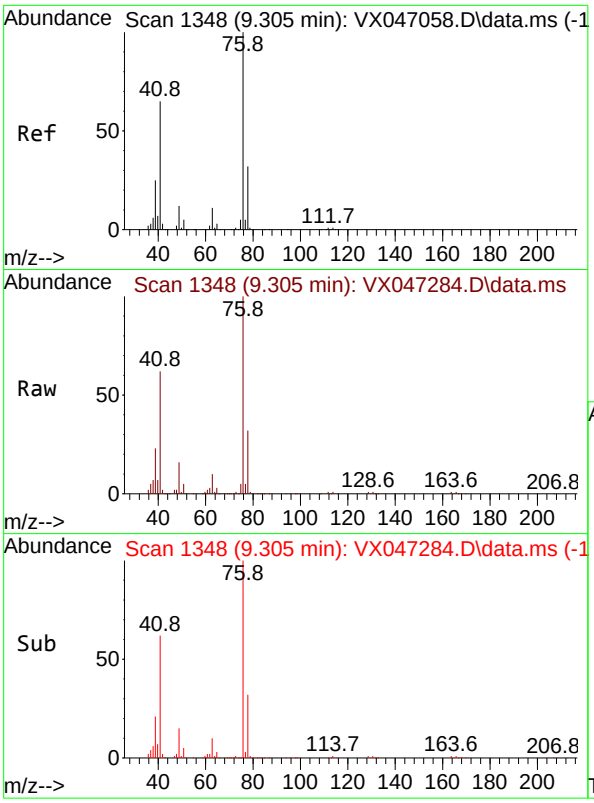


#56
Ethyl methacrylate
Concen: 55.430 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 69 Resp: 213603

Ion	Ratio	Lower	Upper
69	100		
41	70.4	56.1	84.1
39	37.4	31.1	46.7



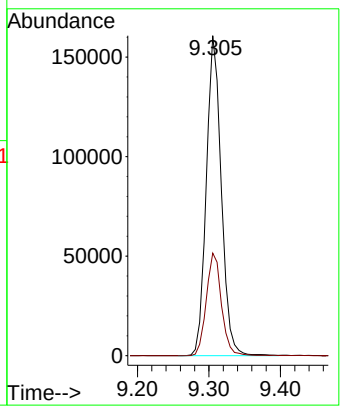


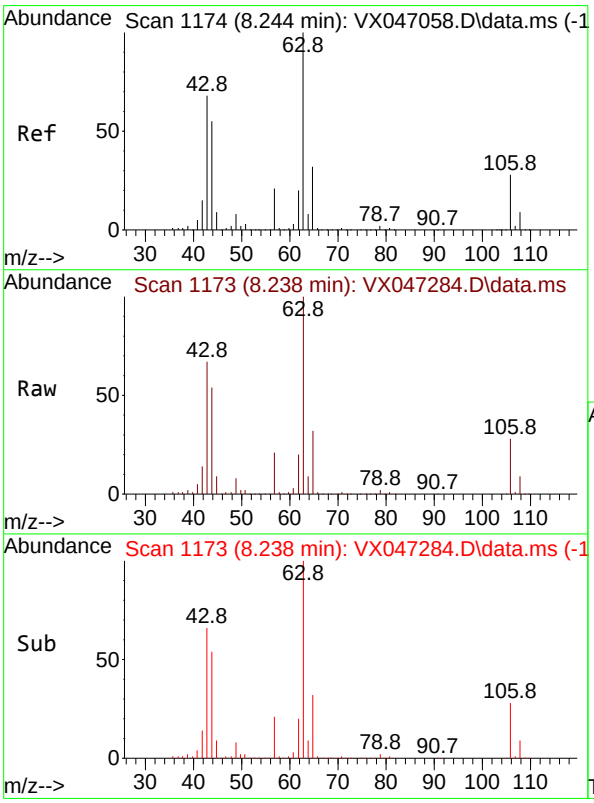
#57
1,3-Dichloropropane
Concen: 51.654 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 233683

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

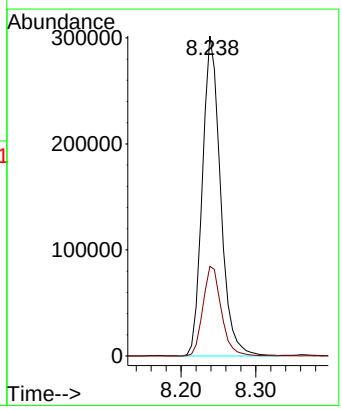


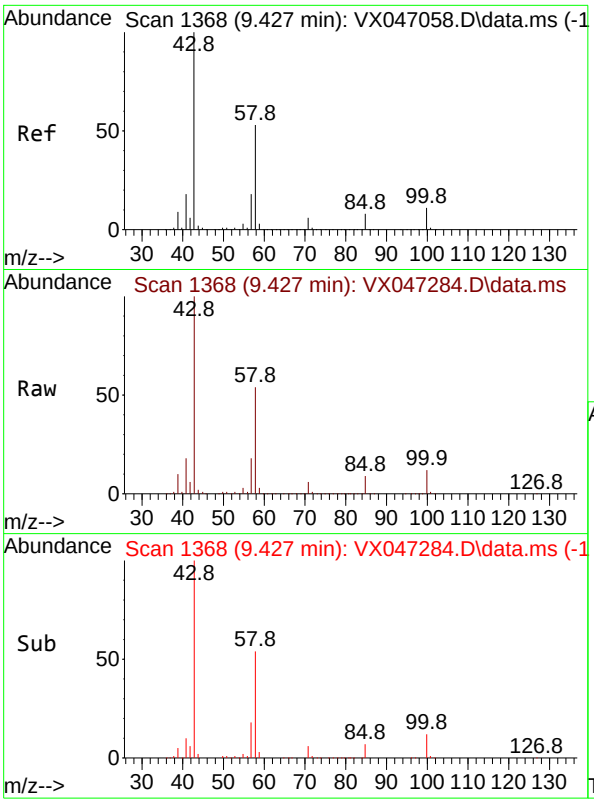


#58
2-Chloroethyl Vinyl ether
Concen: 236.756 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 63 Resp: 507700

Ion	Ratio	Lower	Upper
63	100		
106	28.4	22.2	33.4



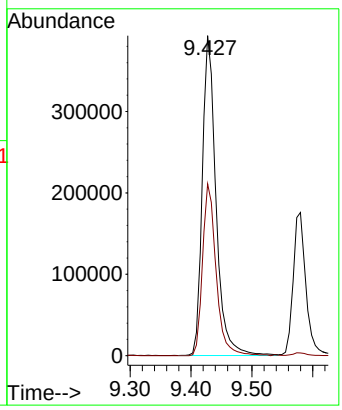


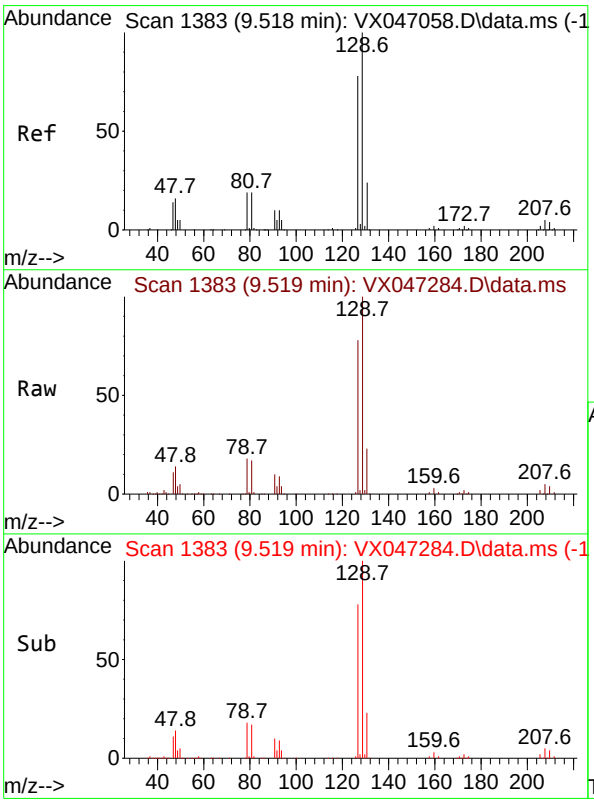
#59
2-Hexanone
Concen: 279.986 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 616087

Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.5	79.5

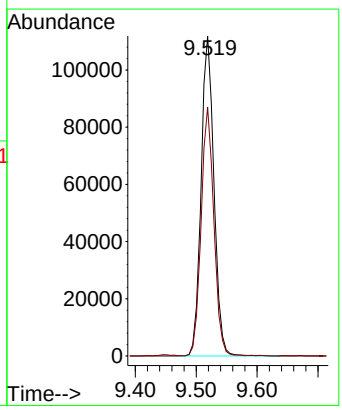


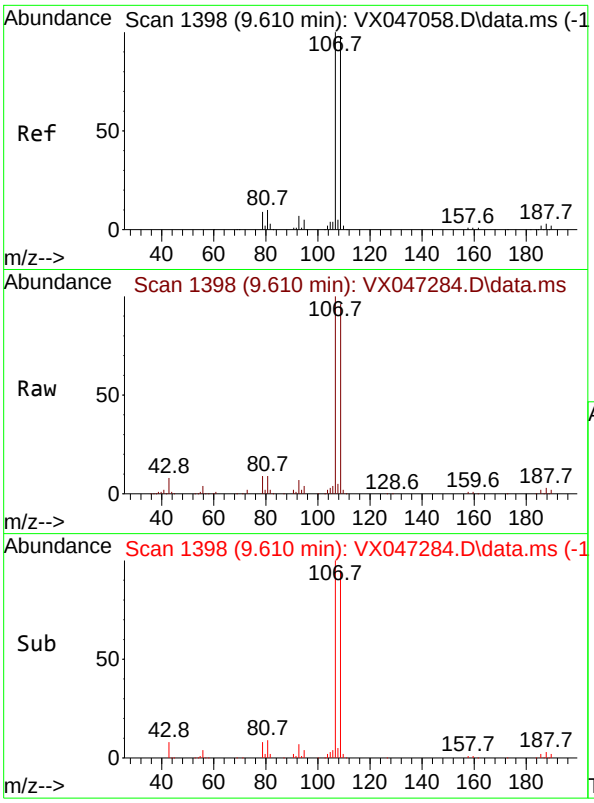


#60
Dibromochloromethane
Concen: 53.664 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:129 Resp: 163831

Ion	Ratio	Lower	Upper
129	100		
127	76.9	38.6	115.8



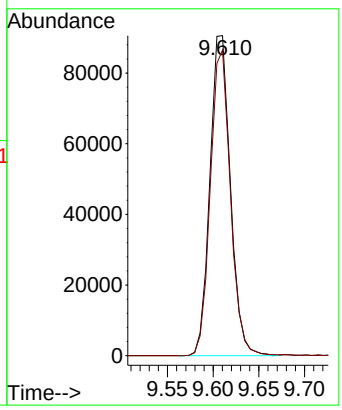


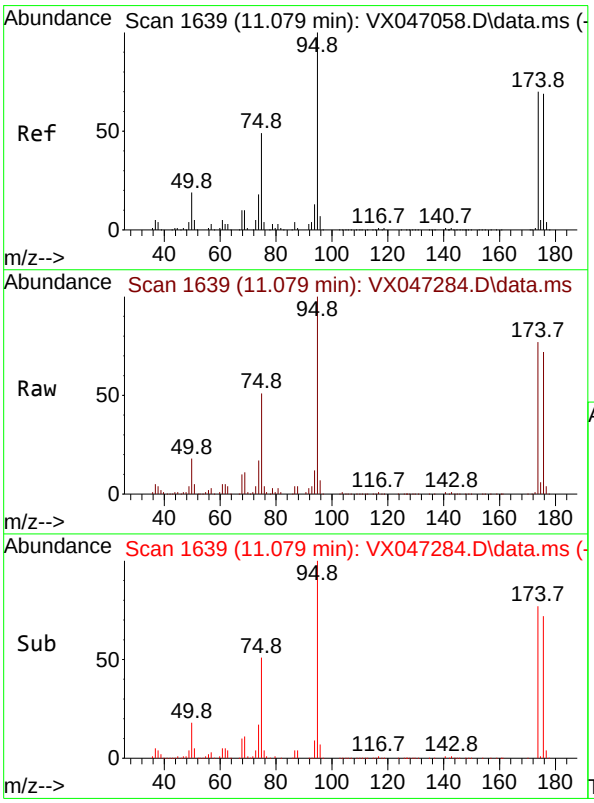
#61
1,2-Dibromoethane
Concen: 51.802 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 140997

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.6	112.0

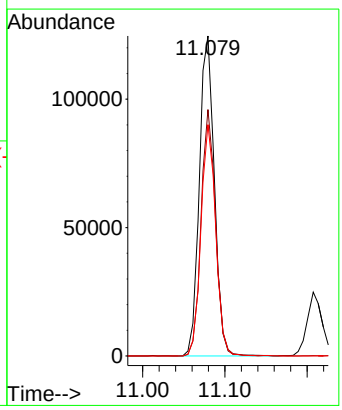


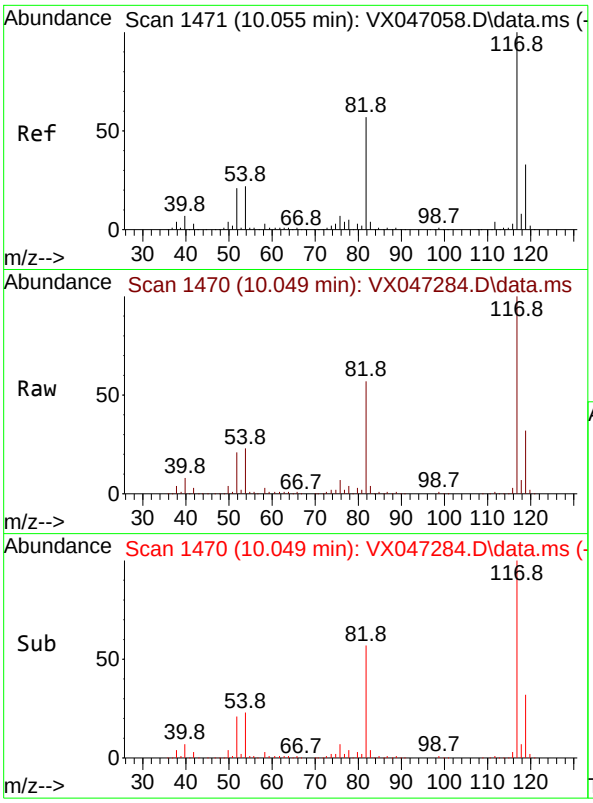


#62
4-Bromofluorobenzene
Concen: 49.497 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 95 Resp: 158071

Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	144.6
176	70.7	0.0	139.6



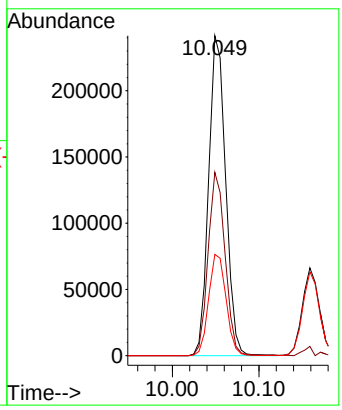


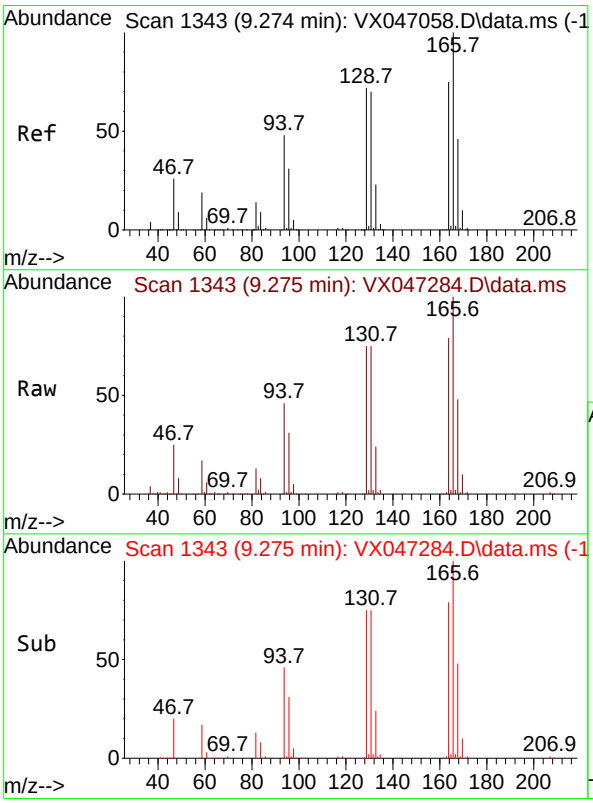
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 329997

Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.4	68.2
119	31.7	26.1	39.1

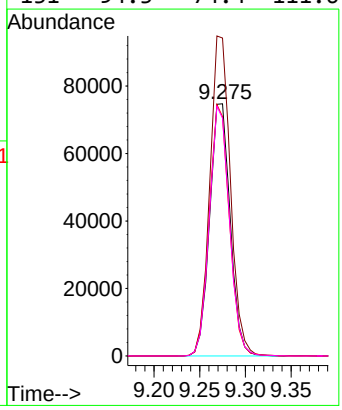


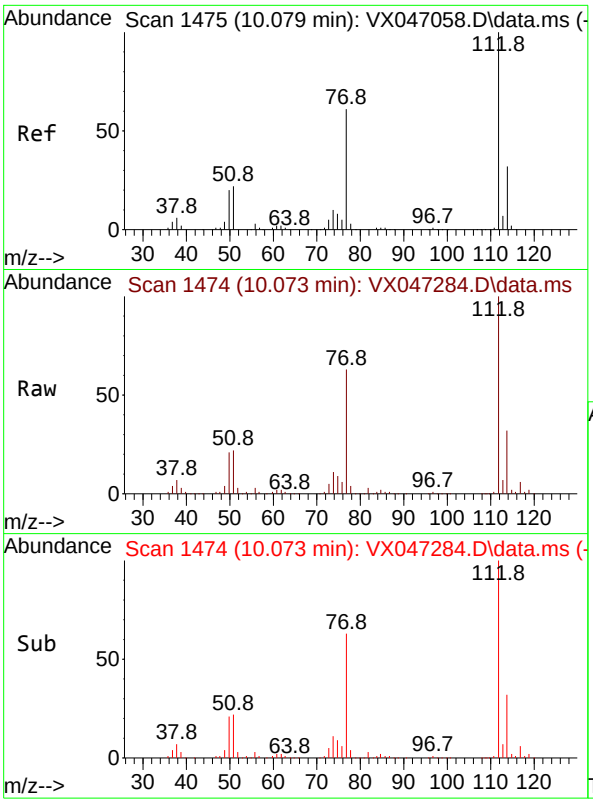


#64
Tetrachloroethene
Concen: 48.805 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:164 Resp: 116103

Ion	Ratio	Lower	Upper
164	100		
166	126.1	106.2	159.4
129	94.9	76.6	114.8
131	94.3	74.4	111.6



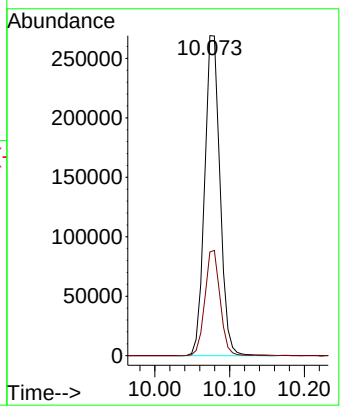


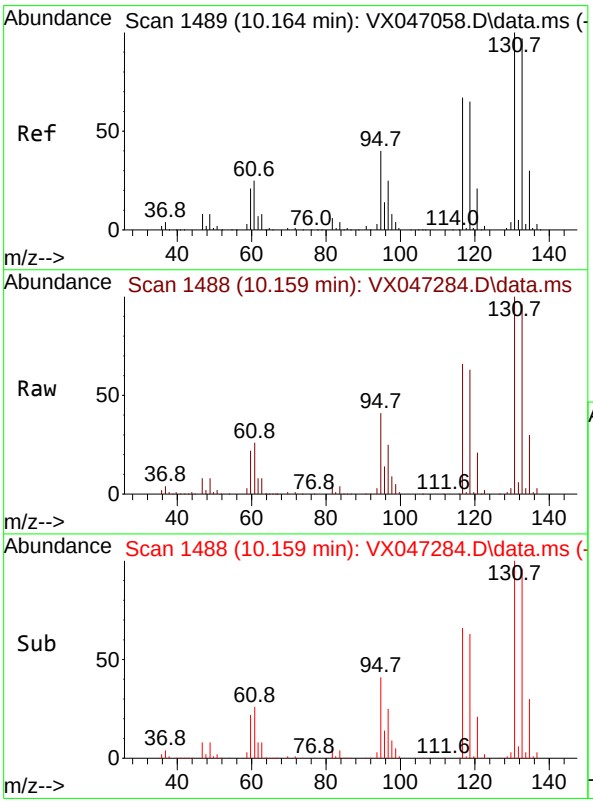
#65
Chlorobenzene
Concen: 49.749 ug/l
RT: 10.073 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 384598

Ion	Ratio	Lower	Upper
112	100		
114	32.4	25.8	38.6

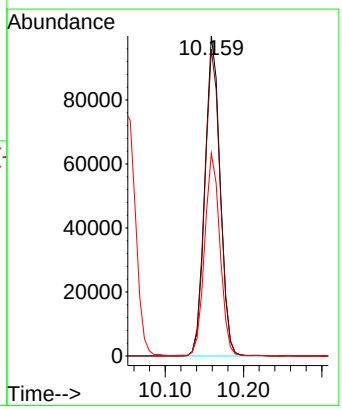


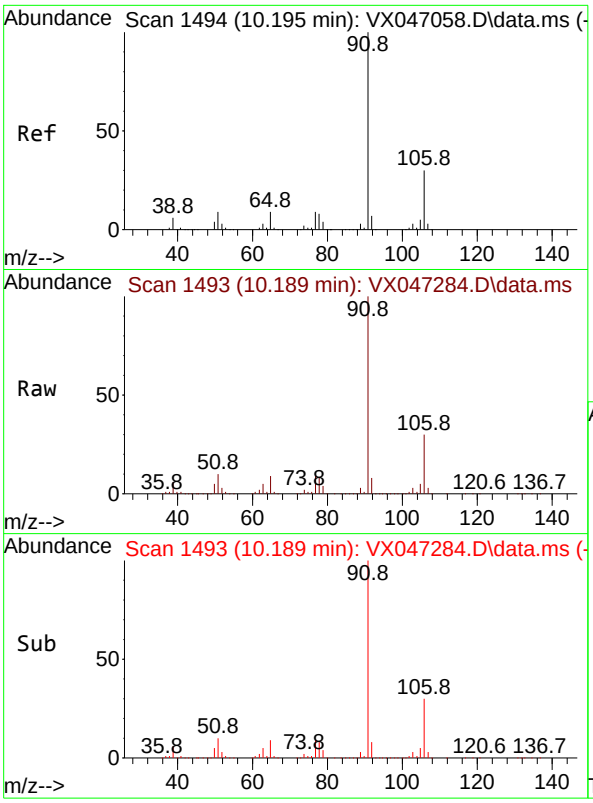


#66
1,1,1,2-Tetrachloroethane
Concen: 51.903 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:131 Resp: 135093

Ion	Ratio	Lower	Upper
131	100		
133	96.2	48.4	145.3
119	63.2	32.4	97.0



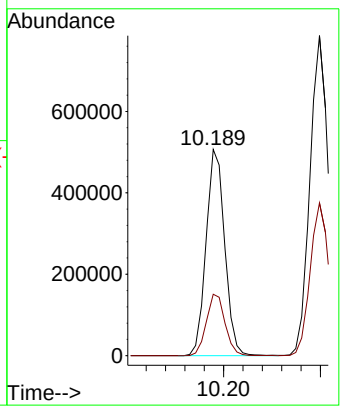


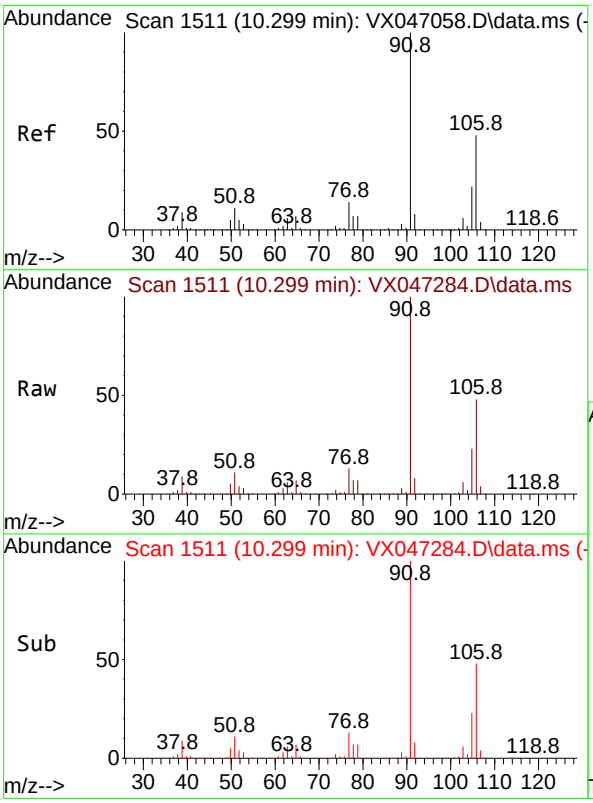
#67
Ethyl Benzene
Concen: 50.181 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 678292

Ion	Ratio	Lower	Upper
91	100		
106	29.8	24.2	36.4

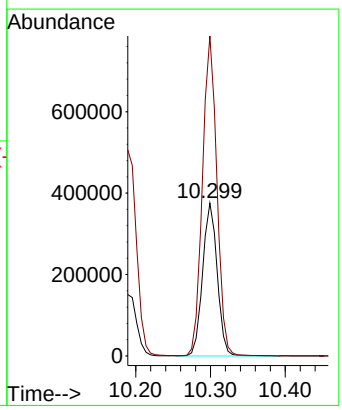


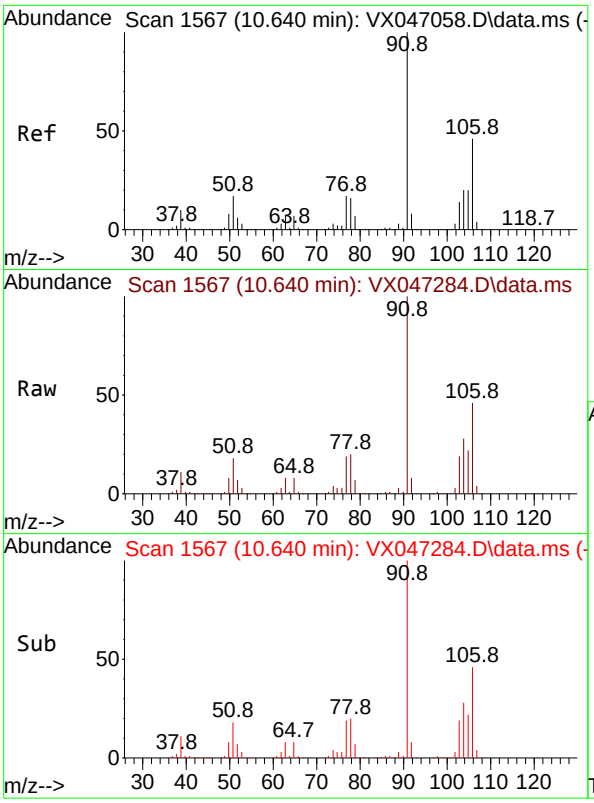


#68
m/p-Xylenes
Concen: 100.400 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:106 Resp: 507852

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.4	251.0



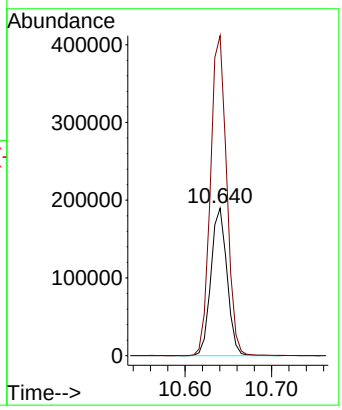


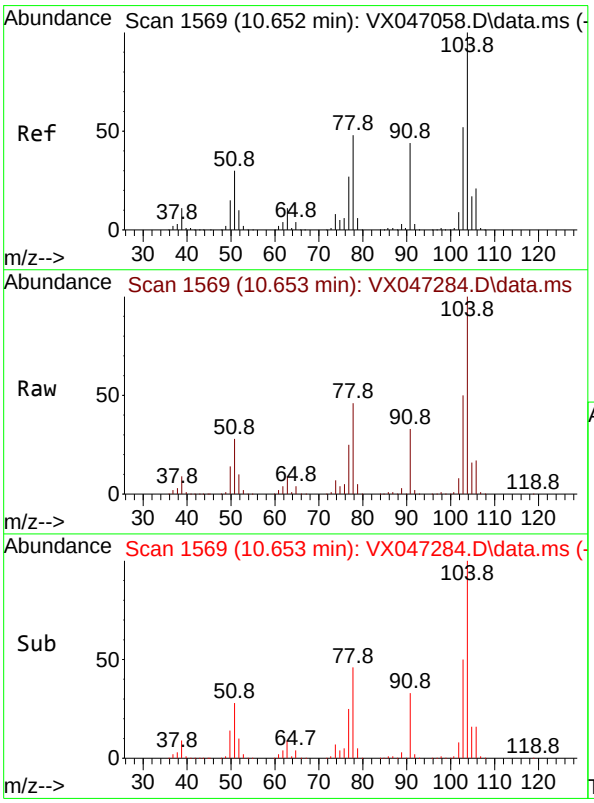
#69
o-Xylene
Concen: 50.835 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 244621

Ion	Ratio	Lower	Upper
106	100		
91	219.5	110.3	331.0

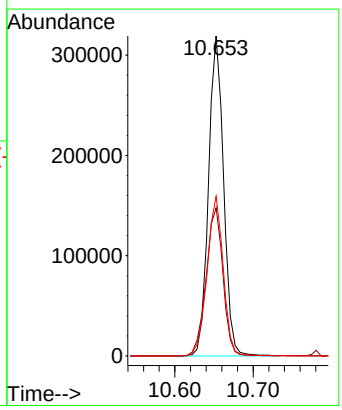


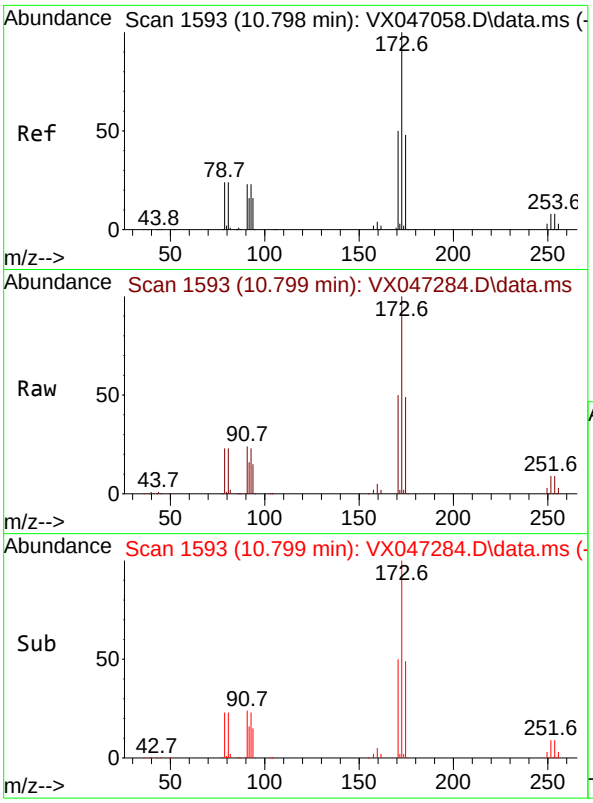


#70
Styrene
Concen: 51.604 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:104 Resp: 425811

Ion	Ratio	Lower	Upper
104	100		
78	51.7	42.0	63.0
103	53.6	43.8	65.6



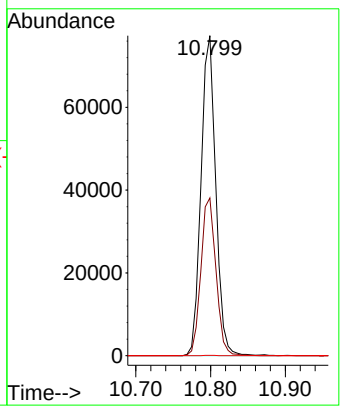


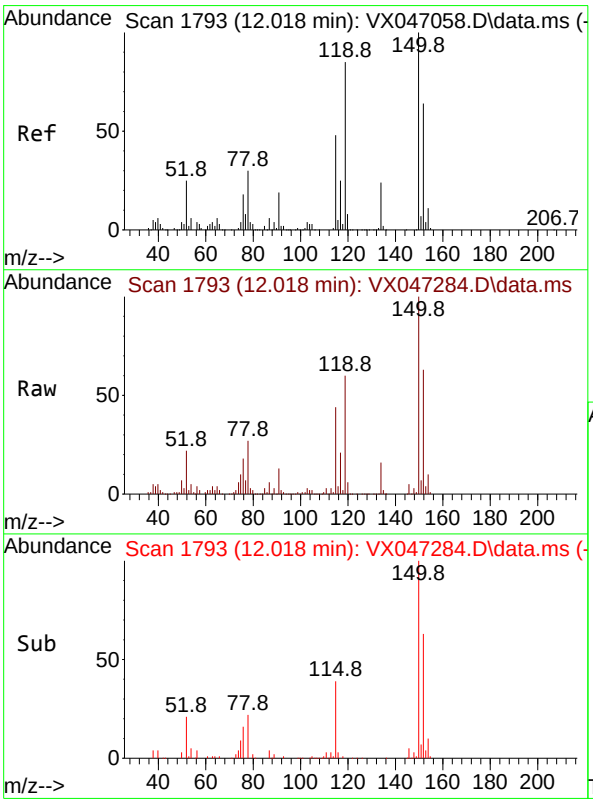
#71
Bromoform
Concen: 53.462 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 105702

Ion	Ratio	Lower	Upper
173	100		
175	50.5	24.2	72.6
254	0.1	0.1	0.1#

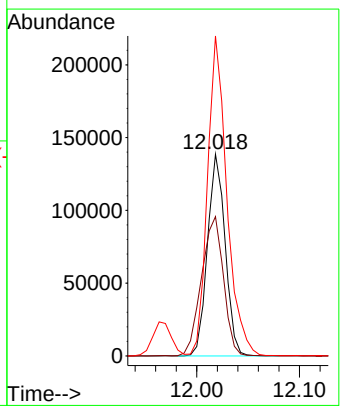


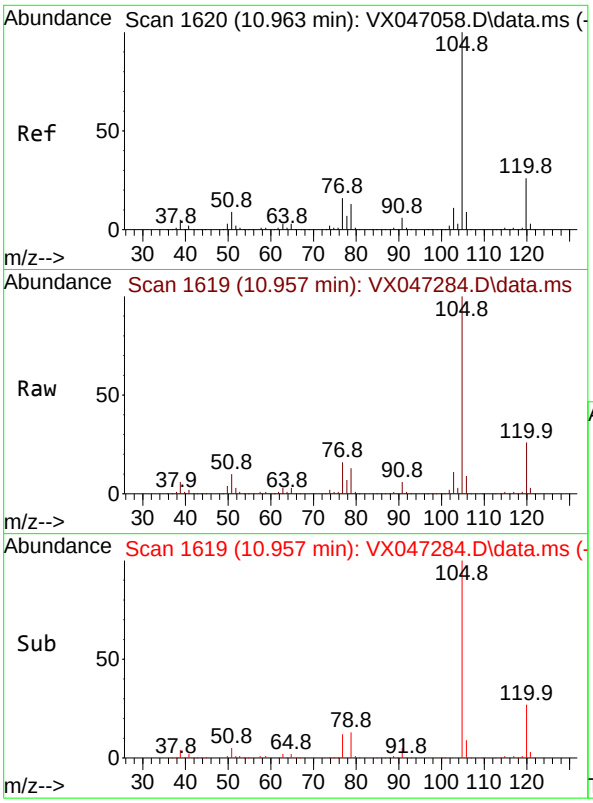


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:152 Resp: 165820

Ion	Ratio	Lower	Upper
152	100		
115	86.1	45.6	136.7
150	173.5	0.0	354.6



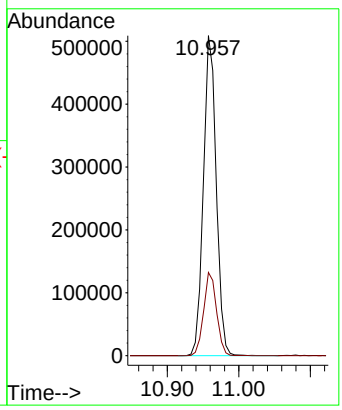


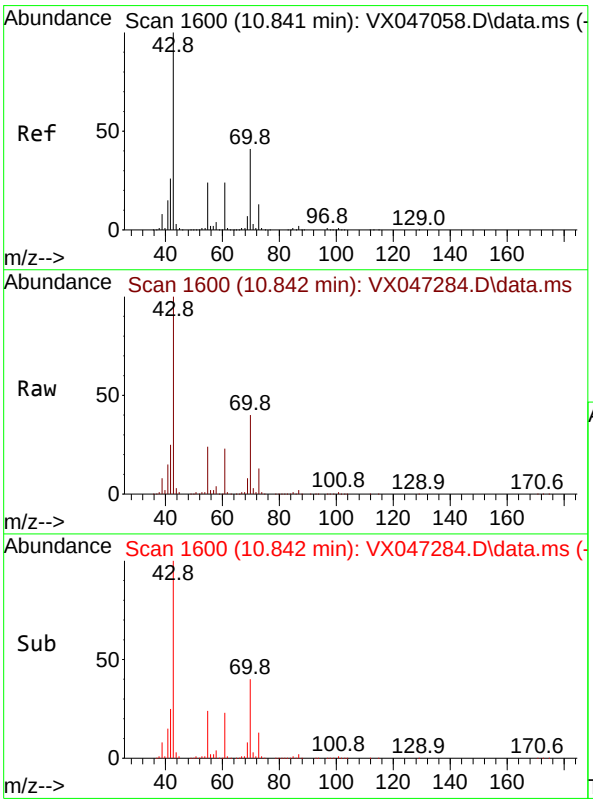
#73
Isopropylbenzene
Concen: 48.515 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 634683

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7

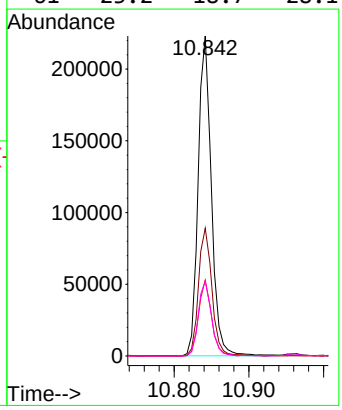


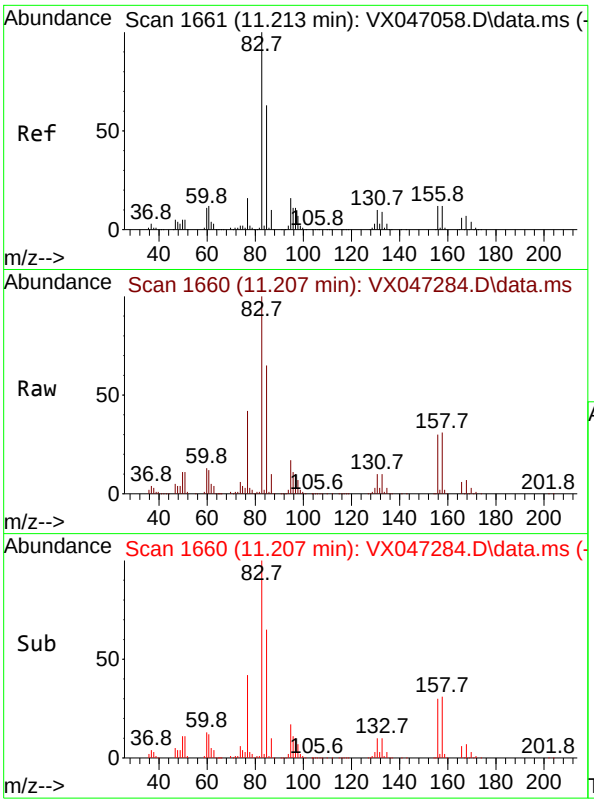


#74
N-amyl acetate
Concen: 51.971 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 43 Resp: 274324

Ion	Ratio	Lower	Upper
43	100		
70	40.6	32.3	48.5
55	23.5	18.9	28.3
61	23.2	18.7	28.1



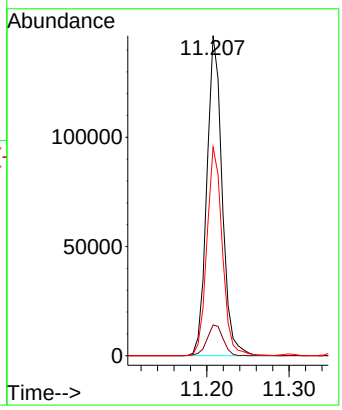


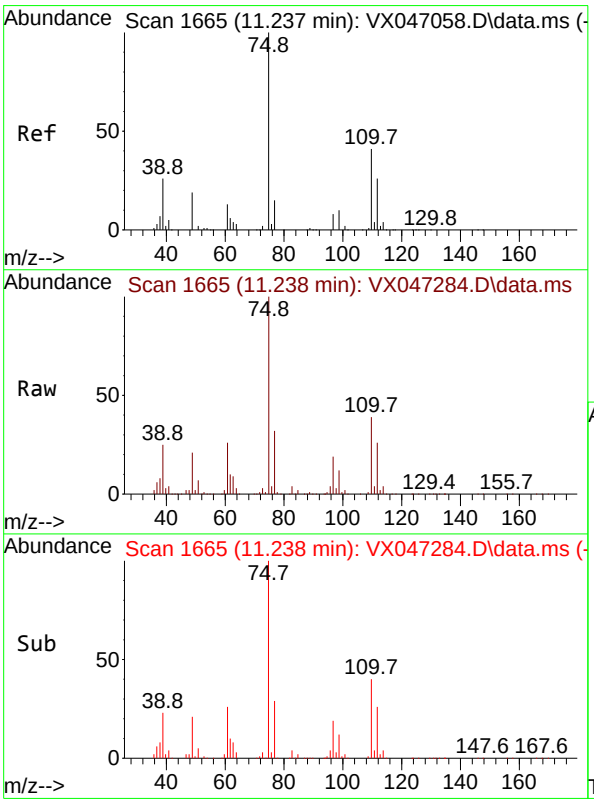
#75
1,1,2,2-Tetrachloroethane
Concen: 50.649 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 189270

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	65.3	32.0	96.2

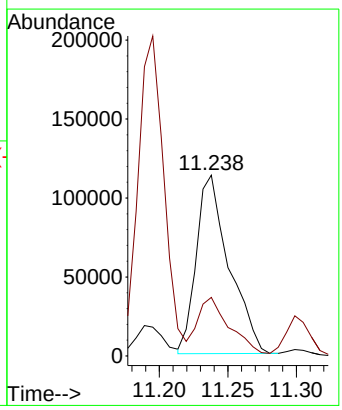


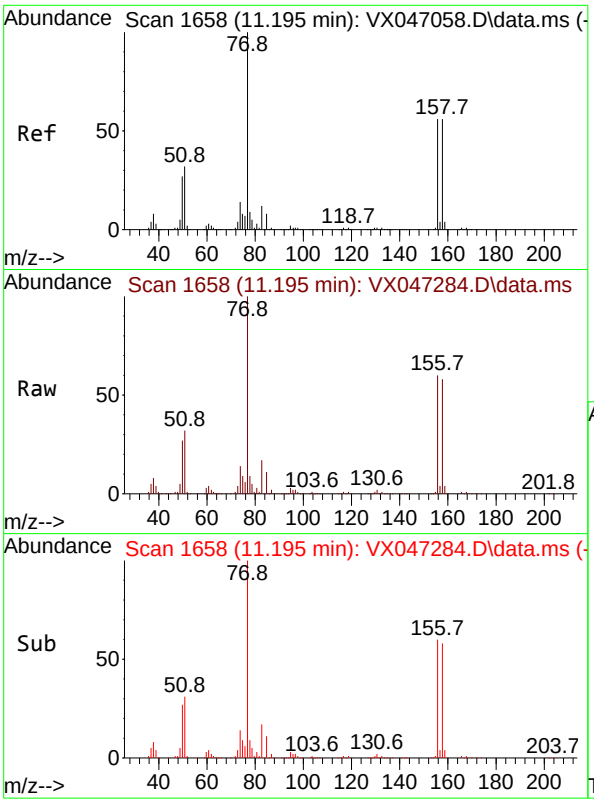


#76
1,2,3-Trichloropropane
Concen: 61.390 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 75 Resp: 188422

Ion	Ratio	Lower	Upper
75	100		
77	32.7	21.6	65.0



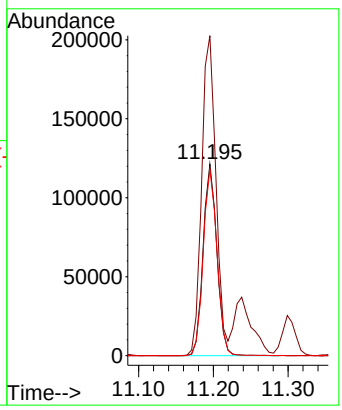


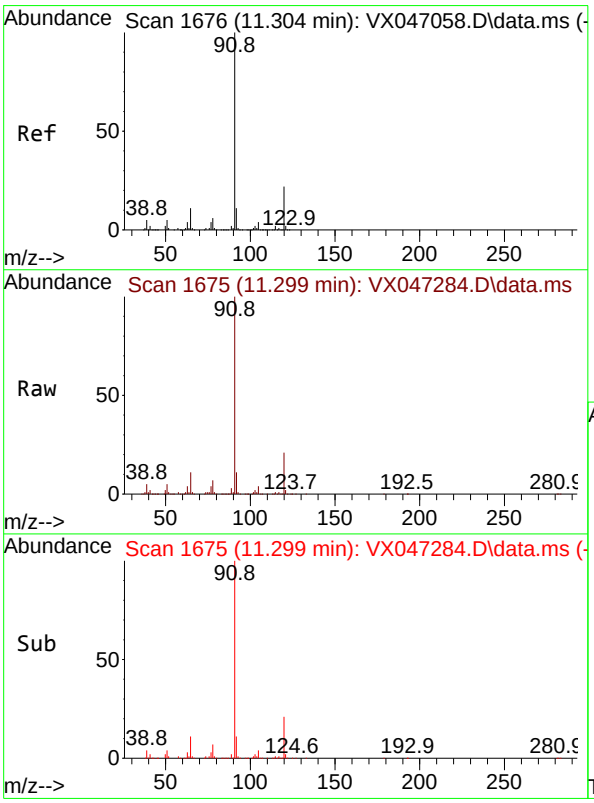
#77
Bromobenzene
Concen: 49.428 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 155095

Ion	Ratio	Lower	Upper
156	100		
77	173.1	87.3	261.9
158	97.6	48.9	146.6

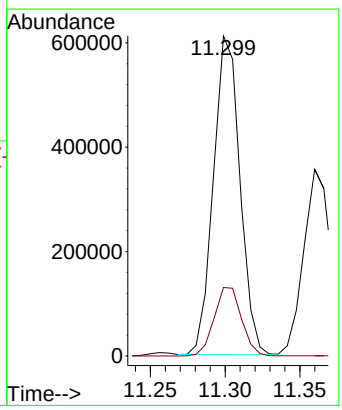


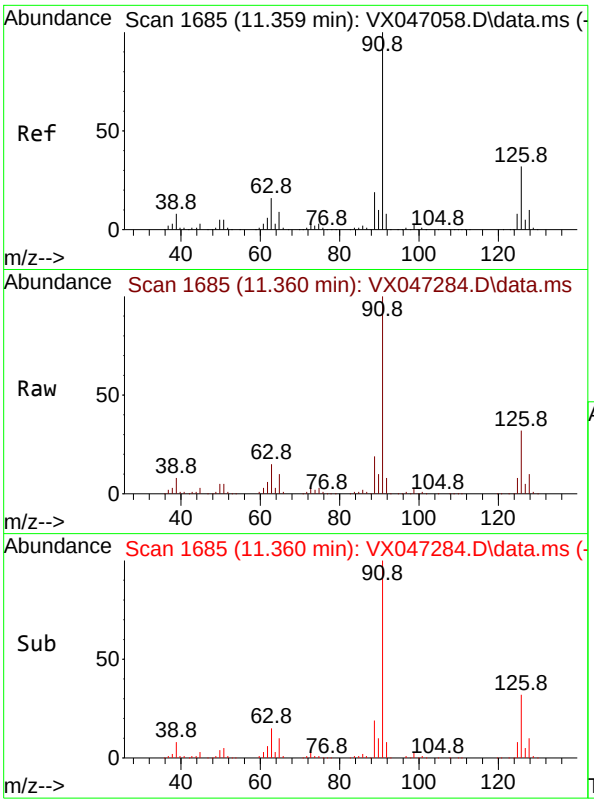


#78
n-propylbenzene
Concen: 48.268 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 91 Resp: 754576

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0



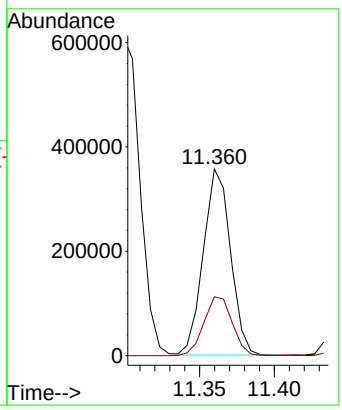


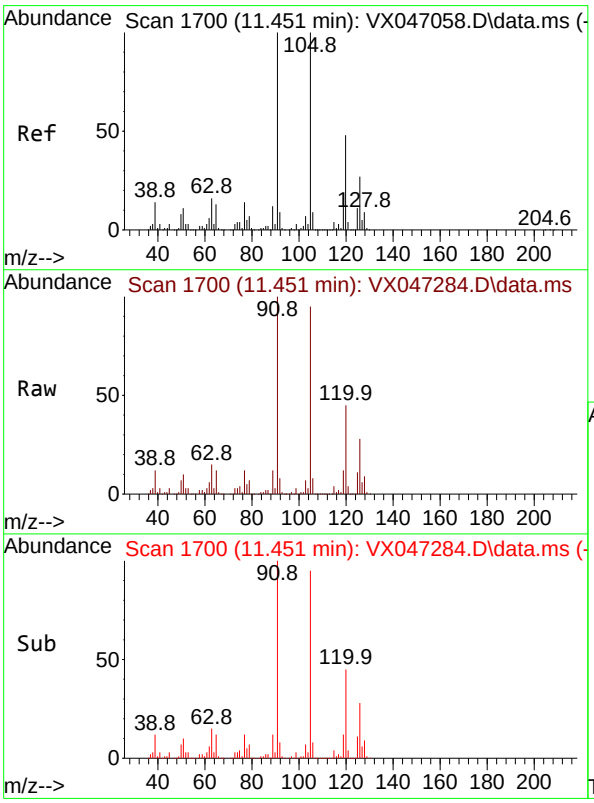
#79
2-Chlorotoluene
Concen: 48.283 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 451205

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

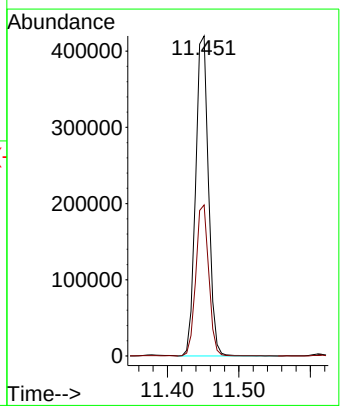


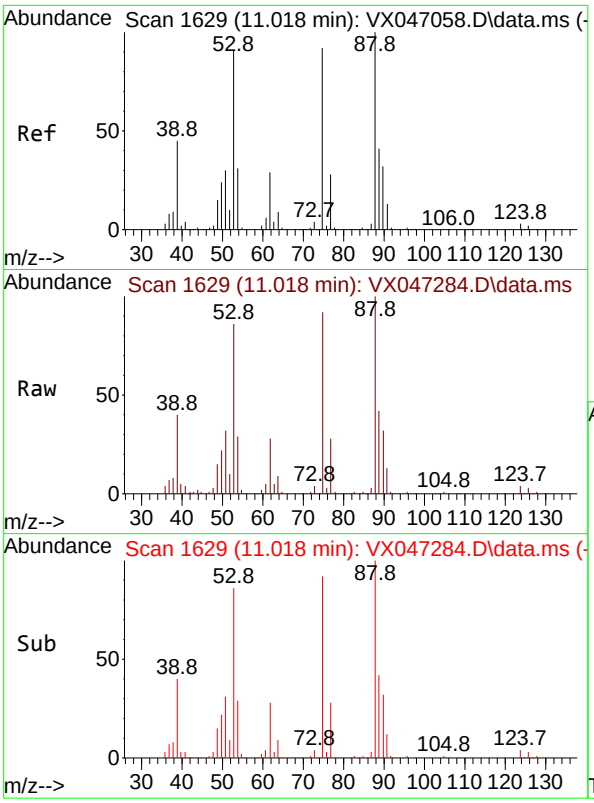


#80
1,3,5-Trimethylbenzene
Concen: 48.423 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:105 Resp: 523346

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5



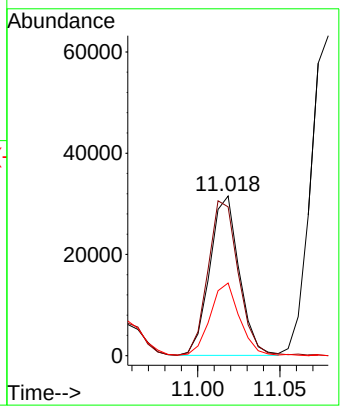


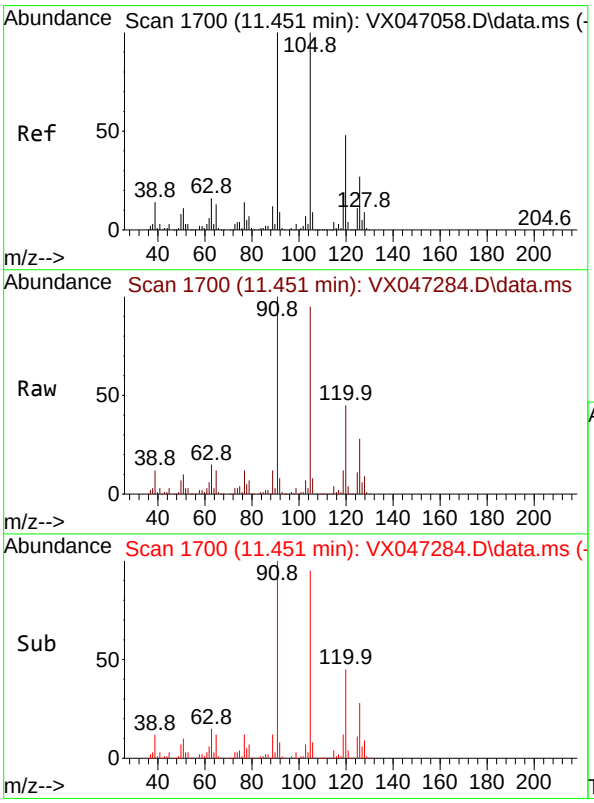
#81
trans-1,4-Dichloro-2-butene
Concen: 32.932 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 39232

Ion	Ratio	Lower	Upper
75	100		
53	101.2	84.2	126.4
89	46.0	36.0	54.0

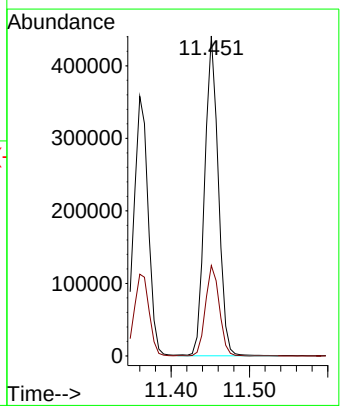


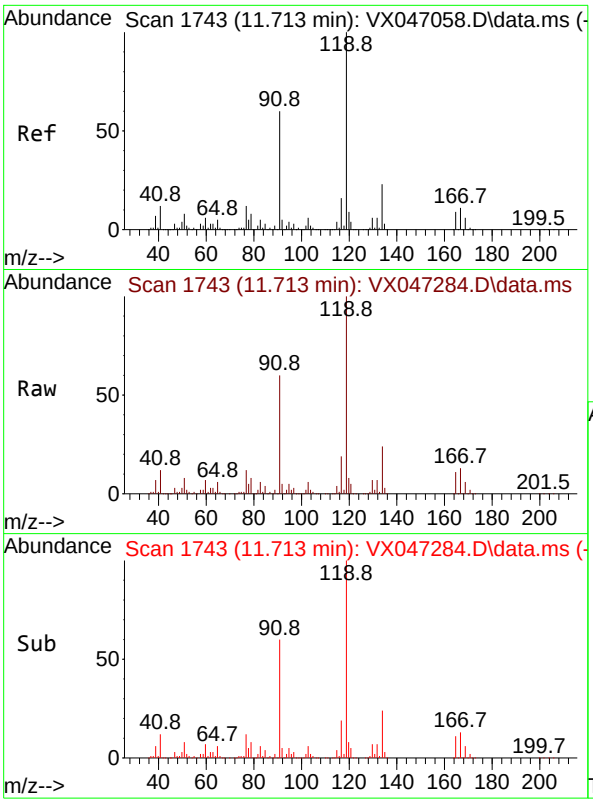


#82
4-Chlorotoluene
Concen: 48.570 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 91 Resp: 529783

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.1	42.3



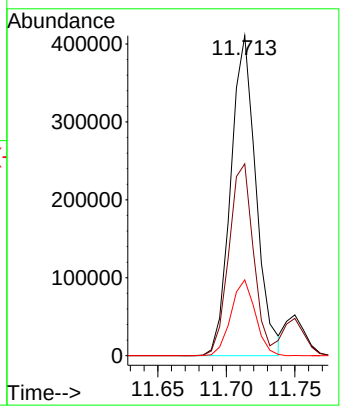


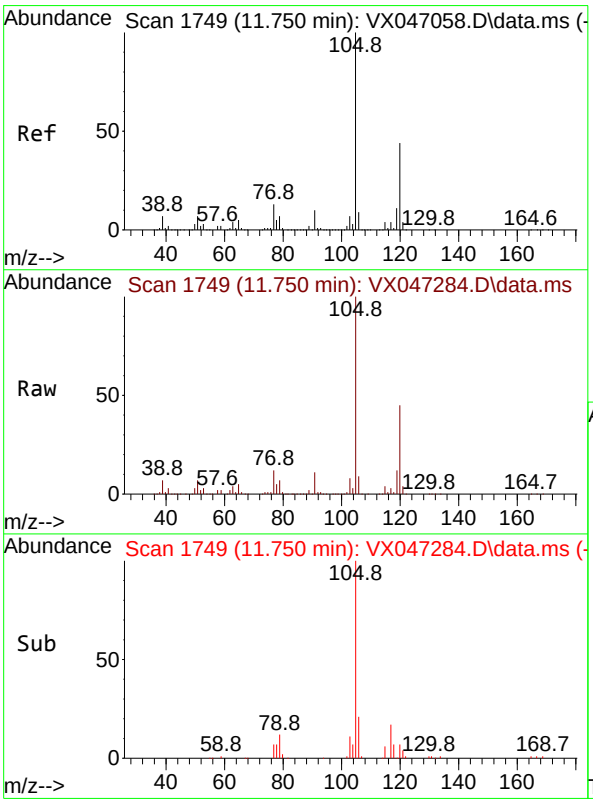
#83
tert-Butylbenzene
Concen: 48.579 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 526971

Ion	Ratio	Lower	Upper
119	100		
91	58.2	29.6	88.8
134	22.9	11.4	34.1

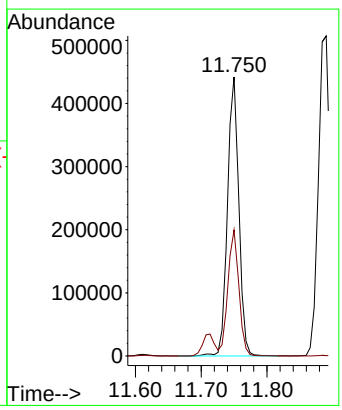


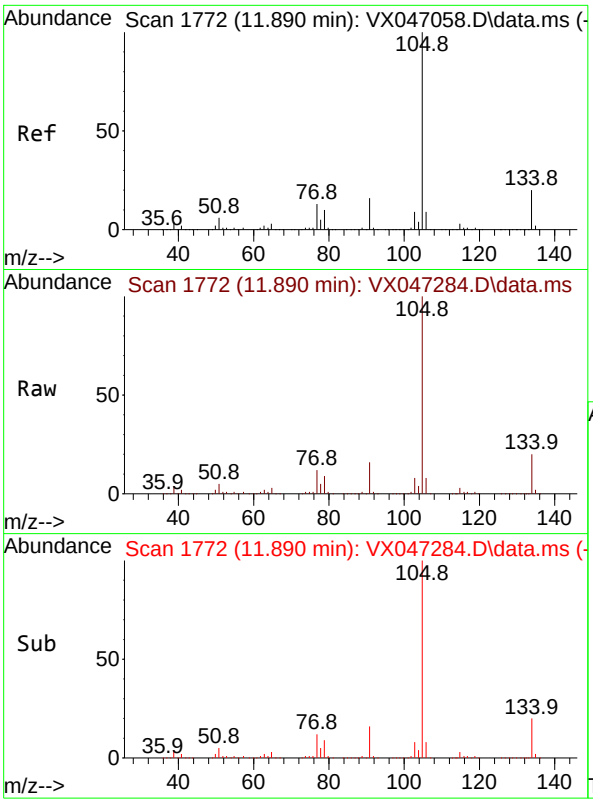


#84
1,2,4-Trimethylbenzene
Concen: 49.223 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:105 Resp: 530631

Ion	Ratio	Lower	Upper
105	100		
120	44.0	22.0	66.0



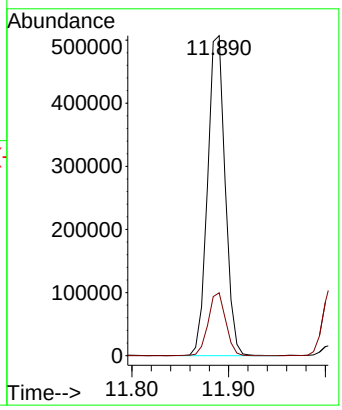


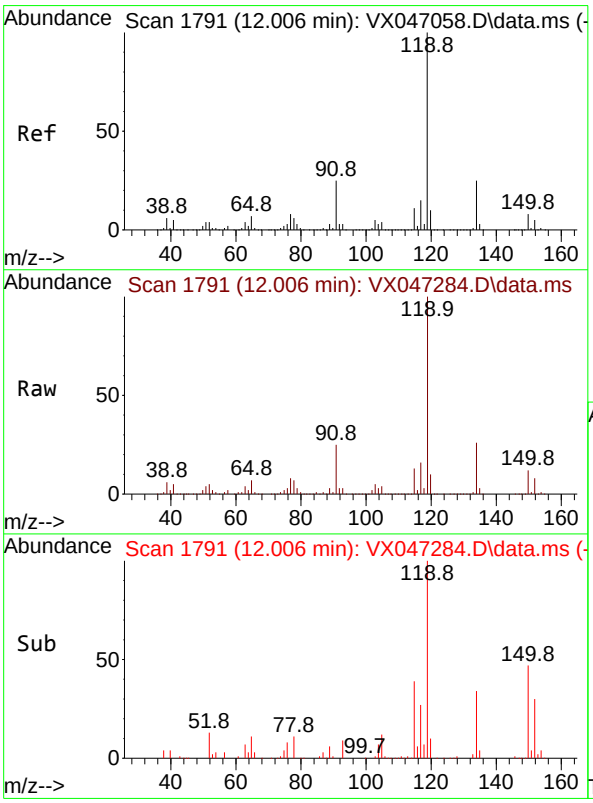
#85
sec-Butylbenzene
Concen: 47.364 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 641966

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7

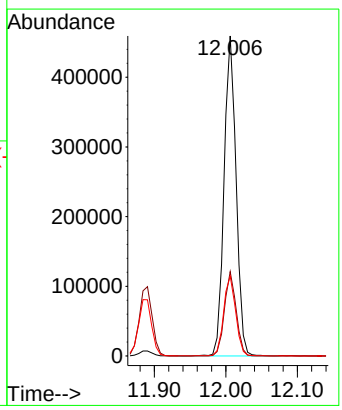


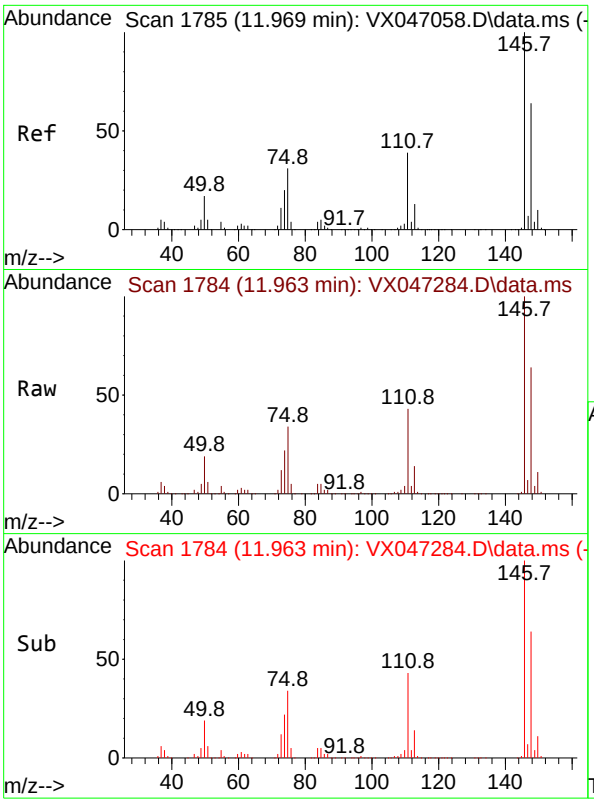


#86
p-Isopropyltoluene
Concen: 47.765 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:119 Resp: 536874

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	25.0	12.4	37.4



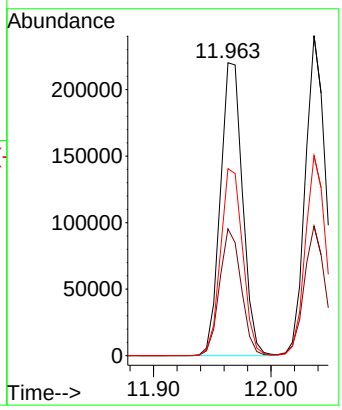


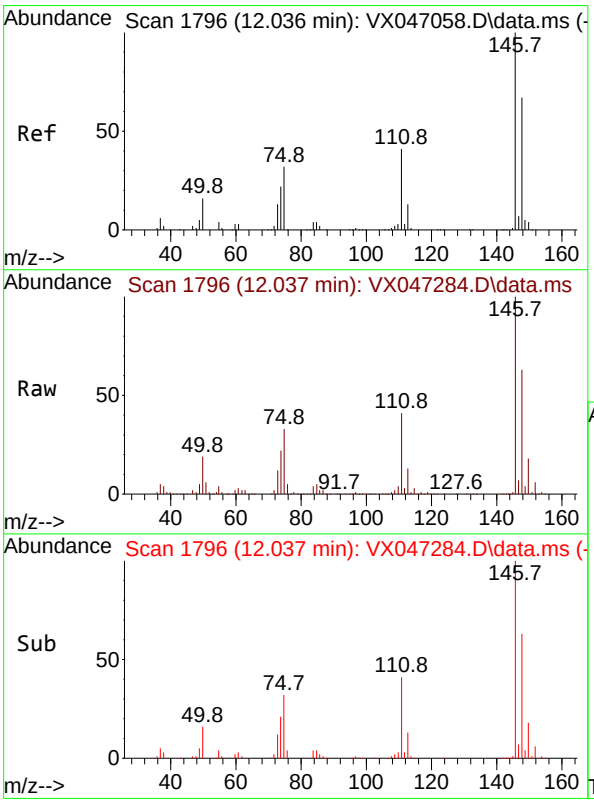
#87
1,3-Dichlorobenzene
Concen: 48.591 ug/l
RT: 11.963 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 289704

Ion	Ratio	Lower	Upper
146	100		
111	42.0	21.0	63.0
148	63.6	32.0	96.0

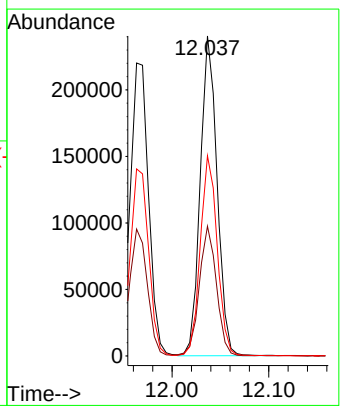


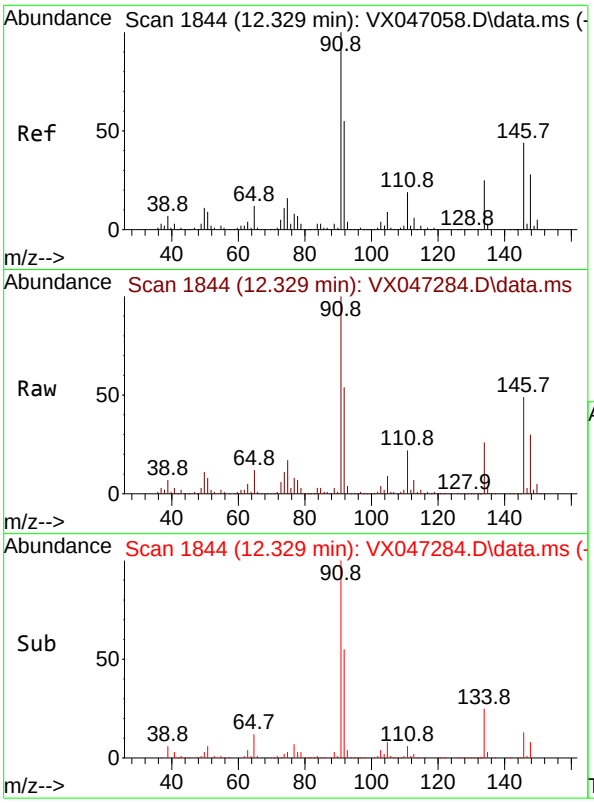


#88
1,4-Dichlorobenzene
Concen: 48.252 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:146 Resp: 291463

Ion	Ratio	Lower	Upper
146	100		
111	41.2	20.6	61.9
148	63.3	33.0	98.9



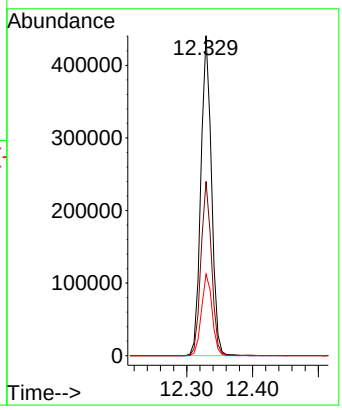


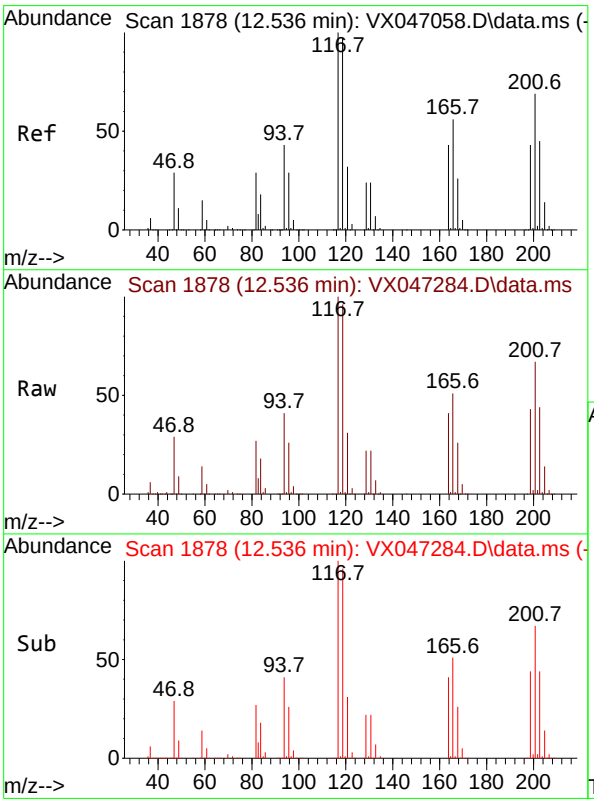
#89
n-Butylbenzene
Concen: 47.076 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 496208

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.5
134	25.6	12.8	38.3

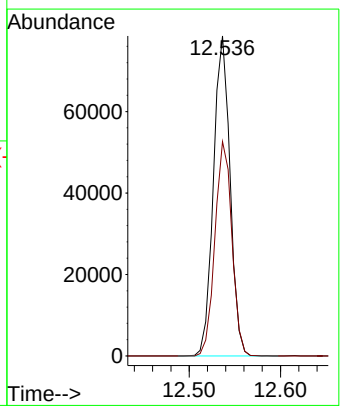


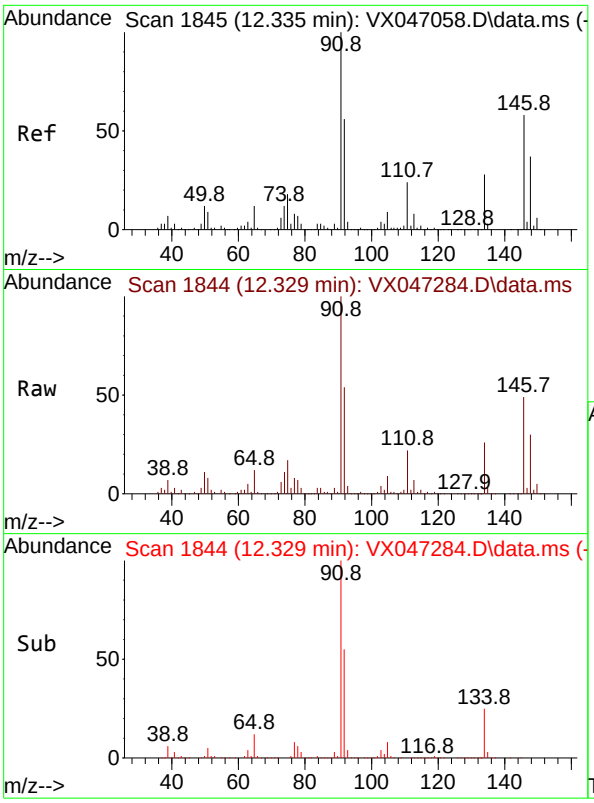


#90
Hexachloroethane
Concen: 49.356 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:117 Resp: 99243

Ion	Ratio	Lower	Upper
117	100		
201	68.3	34.8	104.5



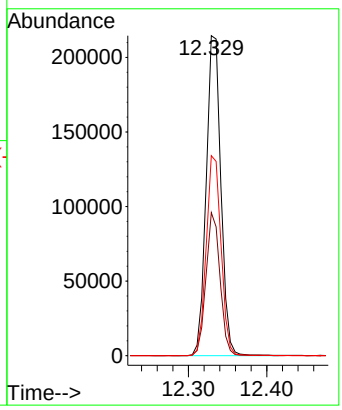


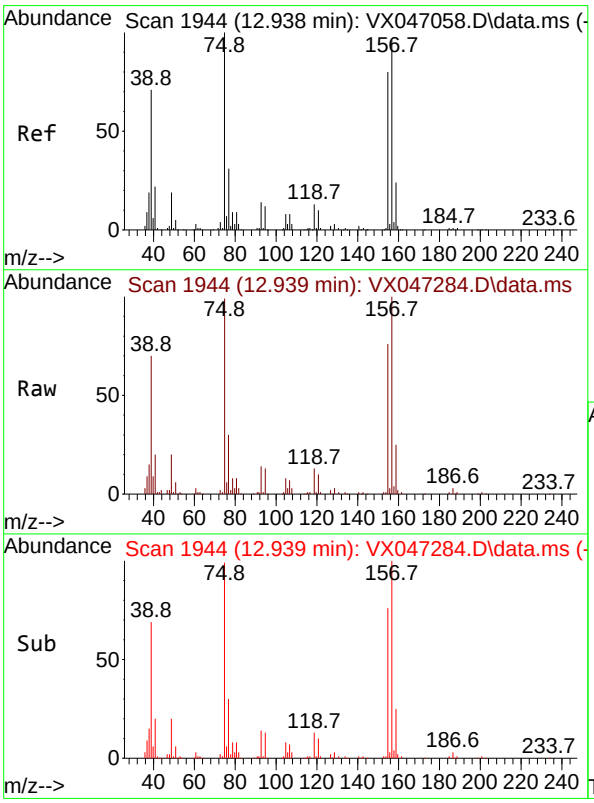
#91
1,2-Dichlorobenzene
Concen: 48.972 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 279057

Ion	Ratio	Lower	Upper
146	100		
111	42.8	21.6	64.6
148	63.0	31.9	95.7

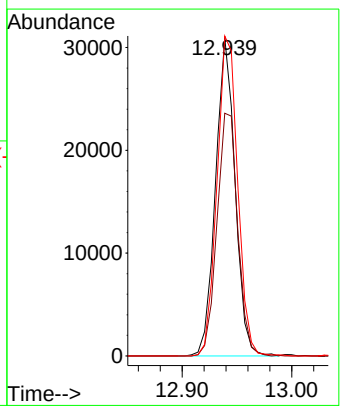


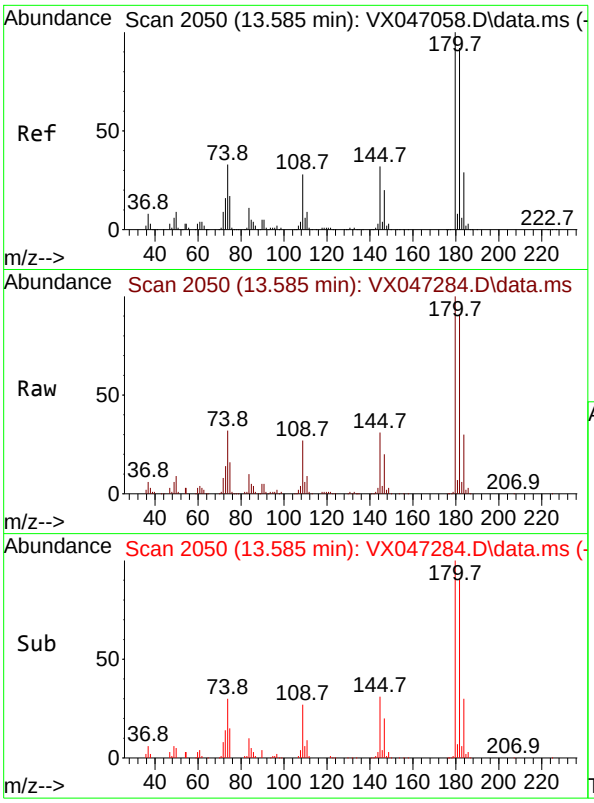


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.439 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion: 75 Resp: 38332

Ion	Ratio	Lower	Upper
75	100		
155	81.1	41.3	124.1
157	106.4	52.8	158.3



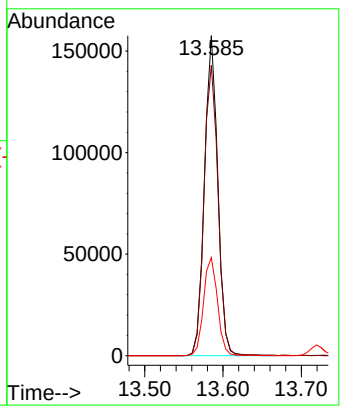


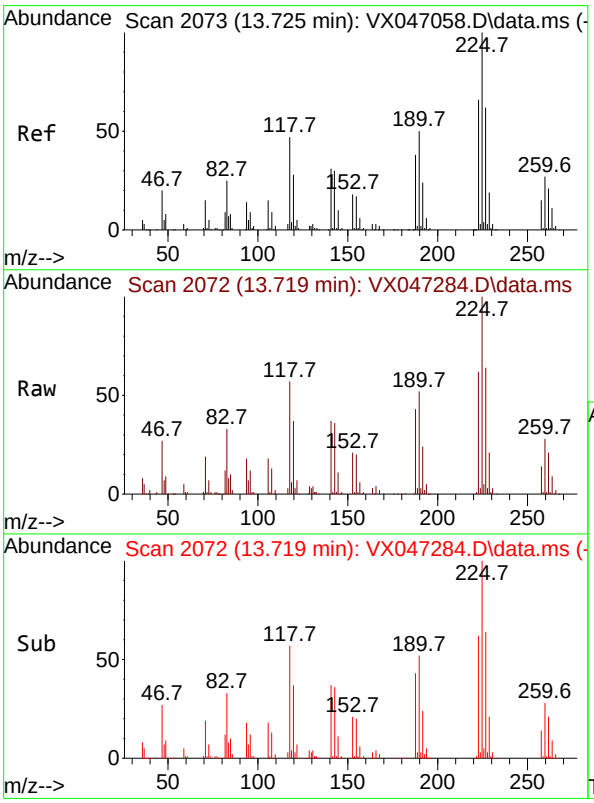
#93
1,2,4-Trichlorobenzene
Concen: 49.356 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 185818

Ion	Ratio	Lower	Upper
180	100		
182	95.0	47.3	141.8
145	32.0	16.4	49.1

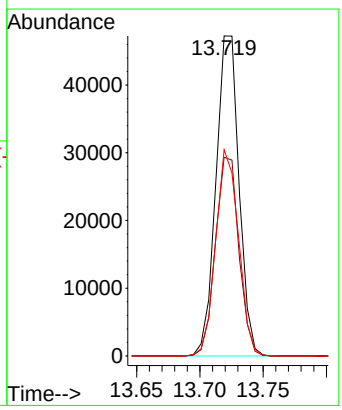


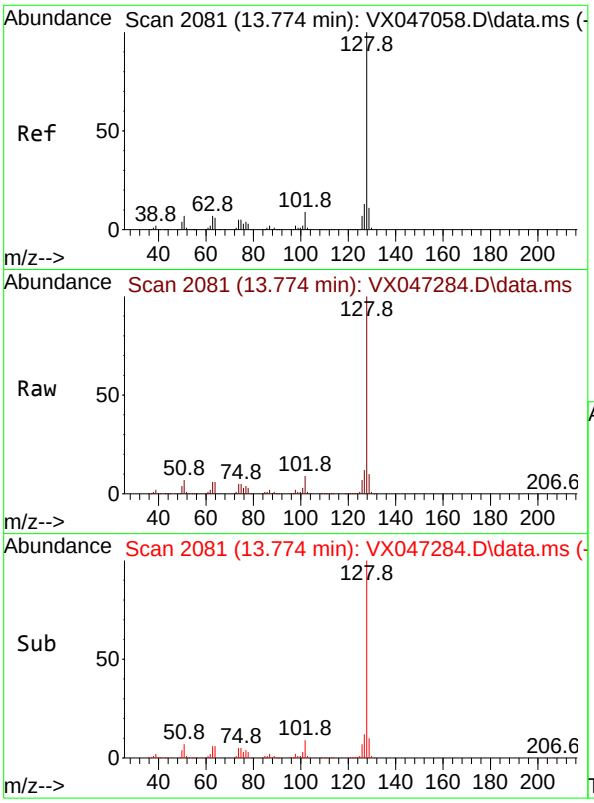


#94
Hexachlorobutadiene
Concen: 46.820 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:225 Resp: 59948

Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.6	95.0
227	63.8	32.9	98.6



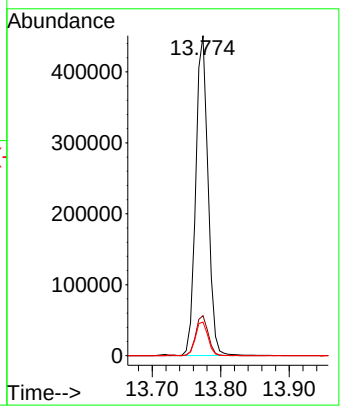


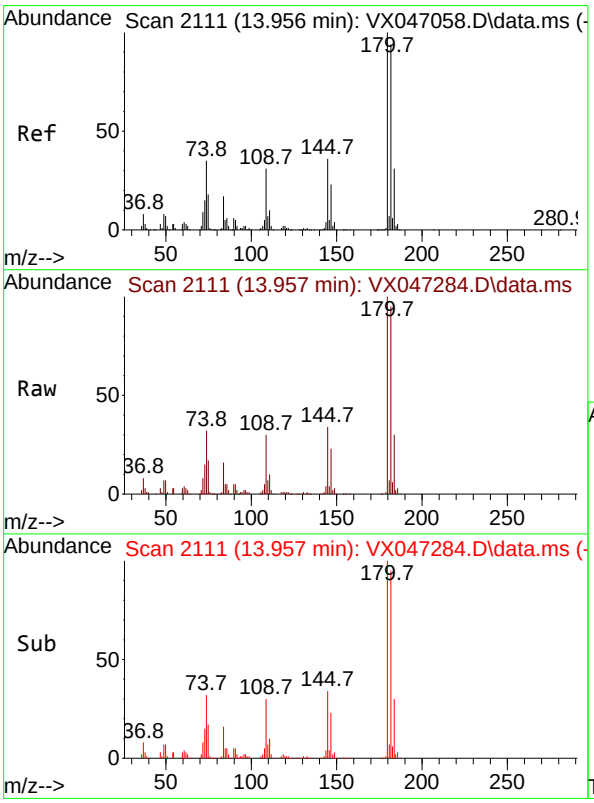
#95
Naphthalene
Concen: 51.047 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 563399

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.6	13.0

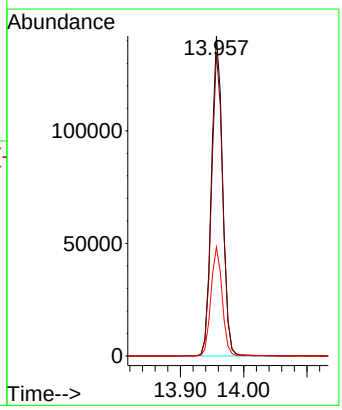




#96
1,2,3-Trichlorobenzene
Concen: 48.170 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047284.D
Acq: 12 Aug 2025 09:53

Tgt Ion:180 Resp: 174714

Ion	Ratio	Lower	Upper
180	100		
182	95.0	46.9	140.6
145	34.2	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047288.D
Acq On : 12 Aug 2025 11:52
Operator : JC/MD
Sample : VX0812WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Quant Time: Aug 13 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	266708	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	450165	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	403402	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	207271	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	156027	46.963	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117			Recovery = 93.920%		
35) Dibromofluoromethane	5.391	113	140246	50.458	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124			Recovery = 100.920%		
50) Toluene-d8	8.647	98	400252	44.466	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112			Recovery = 88.940%#		
62) 4-Bromofluorobenzene	11.079	95	186845	48.168	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123			Recovery = 96.340%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	69899	19.731	ug/l	98
3) Chloromethane	1.313	50	61646	17.592	ug/l	99
4) Vinyl Chloride	1.392	62	71280	18.923	ug/l	97
5) Bromomethane	1.630	94	35824	17.507	ug/l	97
6) Chloroethane	1.703	64	42892	17.337	ug/l	100
7) Trichlorofluoromethane	1.904	101	107951	19.219	ug/l	99
8) Diethyl Ether	2.148	74	36446	18.403	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	61745	18.246	ug/l	98
10) Methyl Iodide	2.471	142	90798	26.326	ug/l	100
11) Tert butyl alcohol	2.959	59	34722	82.511	ug/l	99
12) 1,1-Dichloroethene	2.331	96	61388	18.315	ug/l	99
13) Acrolein	2.252	56	109384	152.908	ug/l	99
14) Allyl chloride	2.678	41	108053	17.834	ug/l	99
15) Acrylonitrile	3.081	53	148912	93.980	ug/l	99
16) Acetone	2.386	43	117062	87.955	ug/l	98
17) Carbon Disulfide	2.526	76	176245	18.176	ug/l	98
18) Methyl Acetate	2.715	43	72484	20.493	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	194935	19.110	ug/l	97
20) Methylene Chloride	2.800	84	68289	18.650	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	63062	18.386	ug/l	98
22) Diisopropyl ether	3.770	45	217146	18.641	ug/l	95
23) Vinyl Acetate	3.727	43	891231	95.391	ug/l	100
24) 1,1-Dichloroethane	3.623	63	118731	18.330	ug/l	98
25) 2-Butanone	4.568	43	171260	88.371	ug/l	98
26) 2,2-Dichloropropane	4.489	77	90767	18.102	ug/l	100
27) cis-1,2-Dichloroethene	4.495	96	74965	18.457	ug/l	98
28) Bromochloromethane	4.910	49	68214	22.890	ug/l	98
29) Tetrahydrofuran	5.019	42	106137	84.883	ug/l	93
30) Chloroform	5.105	83	121763	18.467	ug/l	99
31) Cyclohexane	5.477	56	108000	17.389	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	107008	18.685	ug/l	99
36) 1,1-Dichloropropene	5.696	75	83564	17.638	ug/l	98
37) Ethyl Acetate	4.721	43	90485	20.726	ug/l	96
38) Carbon Tetrachloride	5.684	117	92470	18.286	ug/l	99
39) Methylcyclohexane	7.385	83	108041	18.264	ug/l	94
40) Benzene	6.044	78	256537	18.710	ug/l	99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047288.D
Acq On : 12 Aug 2025 11:52
Operator : JC/MD
Sample : VX0812WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Quant Time: Aug 13 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	39807	17.439	ug/l		92
42) 1,2-Dichloroethane	6.092	62	91804	19.007	ug/l		99
43) Isopropyl Acetate	6.342	43	135160	19.859	ug/l		99
44) Trichloroethene	7.129	130	64759	18.418	ug/l		98
45) 1,2-Dichloropropane	7.434	63	63746	18.563	ug/l		97
46) Dibromomethane	7.580	93	46573	19.339	ug/l		99
47) Bromodichloromethane	7.824	83	95572	18.645	ug/l		98
48) Methyl methacrylate	7.696	41	68229	18.402	ug/l		99
49) 1,4-Dioxane	7.671	88	15691	372.088	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	395128	97.673	ug/l		99
52) Toluene	8.720	92	158098	18.752	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	86876	17.948	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	97236	18.354	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	61302	19.388	ug/l		98
56) Ethyl methacrylate	9.116	69	92290	19.717	ug/l		98
57) 1,3-Dichloropropane	9.311	76	103459	18.828	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.238	63	213726	82.055	ug/l		100
59) 2-Hexanone	9.427	43	270477	101.199	ug/l		99
60) Dibromochloromethane	9.519	129	71339	19.238	ug/l		98
61) 1,2-Dibromoethane	9.610	107	61948	18.738	ug/l		98
64) Tetrachloroethene	9.275	164	52898	18.190	ug/l		96
65) Chlorobenzene	10.079	112	175362	18.556	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	59685	18.759	ug/l		100
67) Ethyl Benzene	10.195	91	304960	18.456	ug/l		99
68) m/p-Xylenes	10.299	106	229943	37.187	ug/l		100
69) o-Xylene	10.640	106	110879	18.849	ug/l		100
70) Styrene	10.653	104	193735	19.207	ug/l		98
71) Bromoform	10.799	173	46474	19.229	ug/l	#	100
73) Isopropylbenzene	10.957	105	292039	17.859	ug/l		100
74) N-amyl acetate	10.842	43	118356	17.938	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.207	83	87818	18.801	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	86731	22.607	ug/l		82
77) Bromobenzene	11.195	156	71864	18.322	ug/l		97
78) n-propylbenzene	11.305	91	350815	17.953	ug/l		99
79) 2-Chlorotoluene	11.360	91	207220	17.740	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	247687	18.334	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	14230	9.556	ug/l		94
82) 4-Chlorotoluene	11.451	91	247627	18.162	ug/l		100
83) tert-Butylbenzene	11.713	119	247287	18.237	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	244944	18.178	ug/l		98
85) sec-Butylbenzene	11.890	105	313440	18.501	ug/l		100
86) p-Isopropyltoluene	12.006	119	262367	18.674	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	136883	18.368	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	138415	18.332	ug/l		98
89) n-Butylbenzene	12.329	91	245333	18.620	ug/l		99
90) Hexachloroethane	12.536	117	45620	18.151	ug/l		98
91) 1,2-Dichlorobenzene	12.329	146	131227	18.424	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16604	18.519	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	88508	18.808	ug/l		100
94) Hexachlorobutadiene	13.719	225	33284	20.797	ug/l		97
95) Naphthalene	13.774	128	254276	18.431	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	84235	18.580	ug/l		99

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047288.D
Acq On : 12 Aug 2025 11:52
Operator : JC/MD
Sample : VX0812WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Quant Time: Aug 13 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

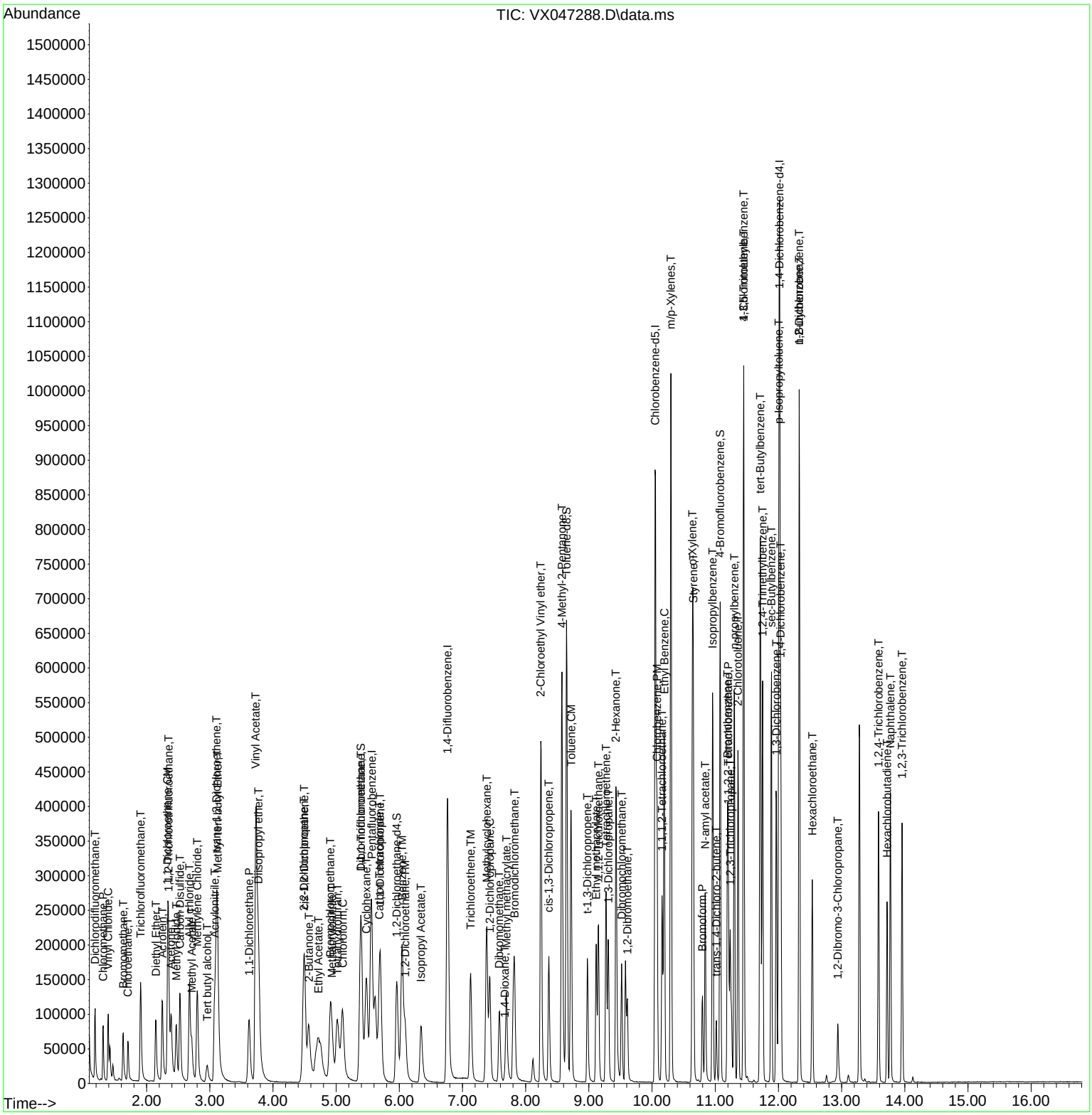
(#) = qualifier out of range (m) = manual integration (+) = signals summed

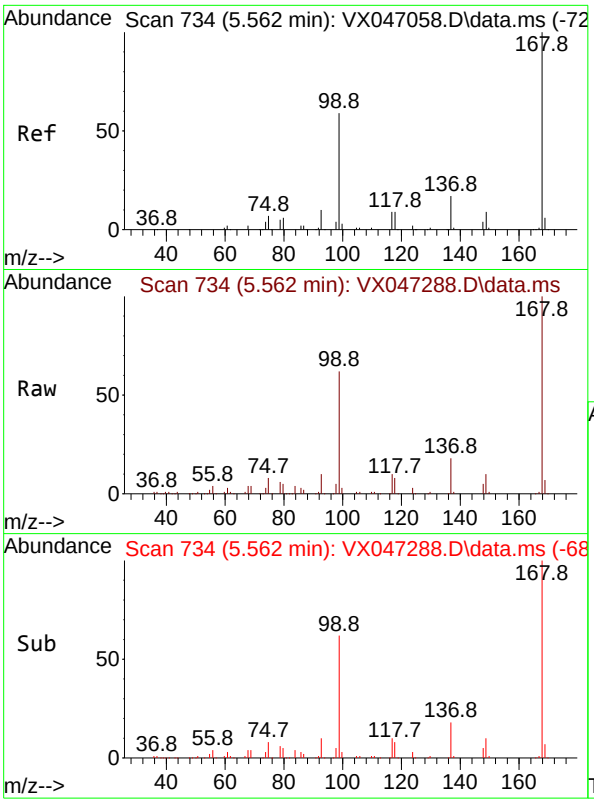
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047288.D
Acq On : 12 Aug 2025 11:52
Operator : JC/MD
Sample : VX0812WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Quant Time: Aug 13 01:17:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



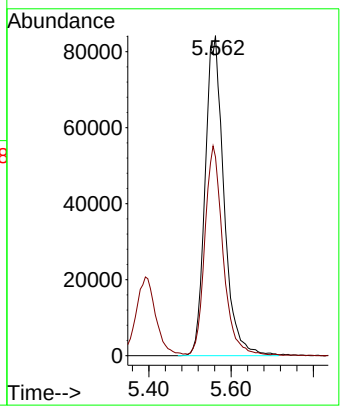


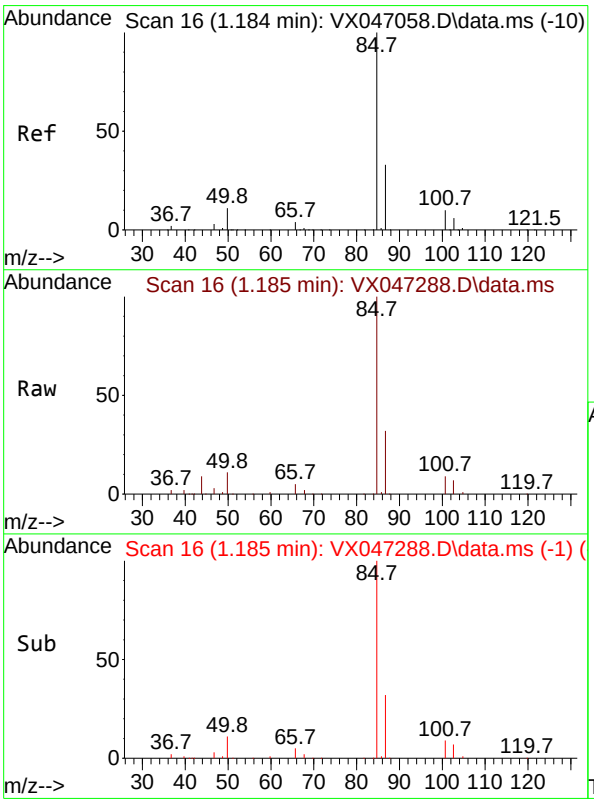
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:168 Resp: 266708

Ion	Ratio	Lower	Upper
168	100		
99	61.7	48.0	72.0

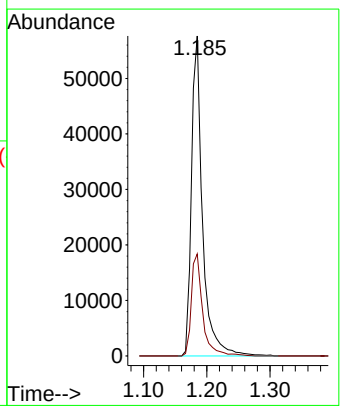


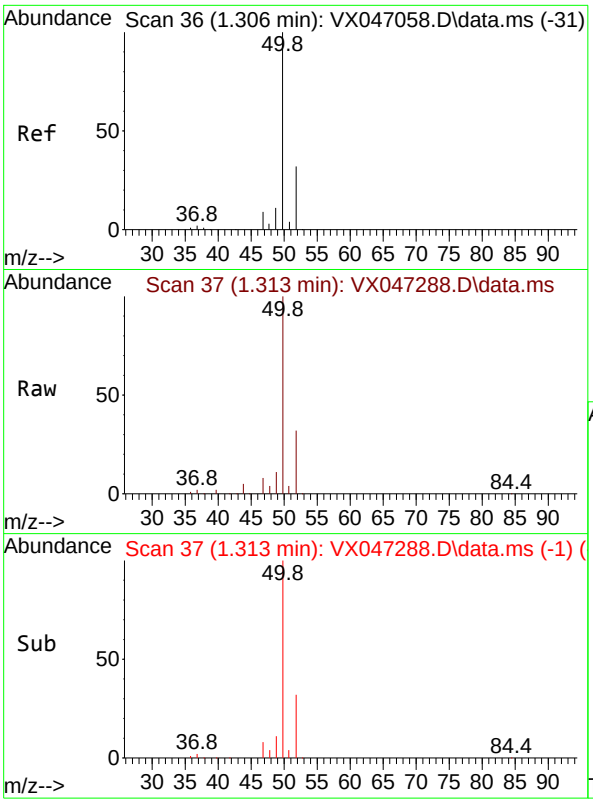


#2
Dichlorodifluoromethane
Concen: 19.731 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 85 Resp: 69899

Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.6	49.8



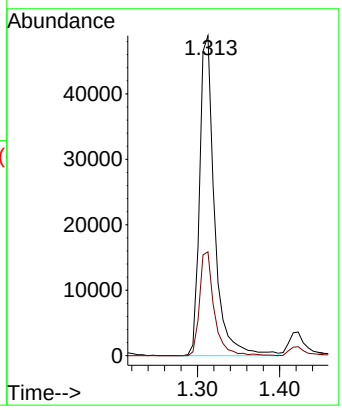


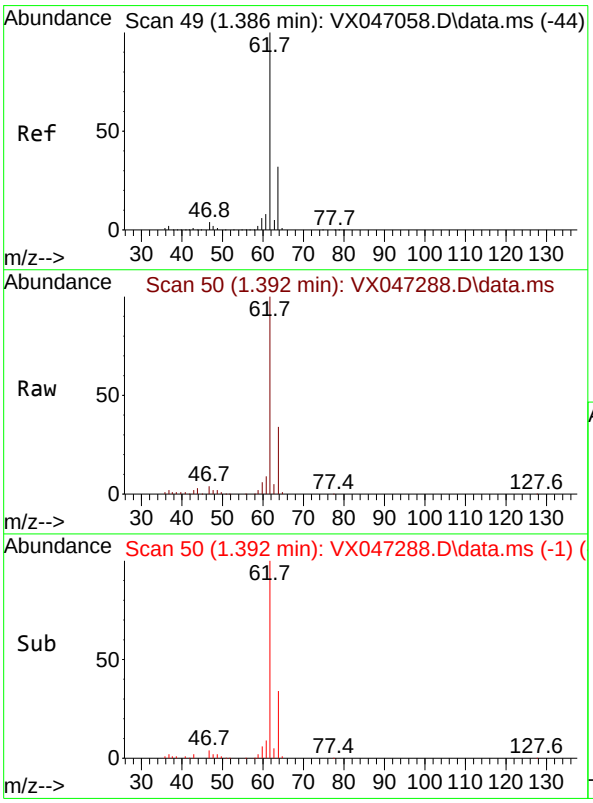
#3
Chloromethane
Concen: 17.592 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 50 Resp: 61646

Ion	Ratio	Lower	Upper
50	100		
52	32.5	25.4	38.2

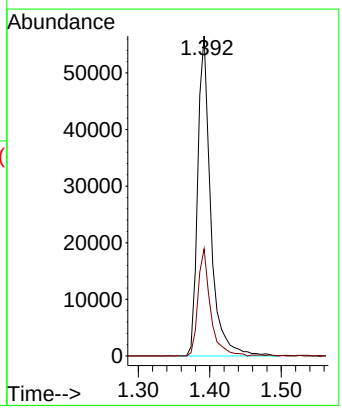


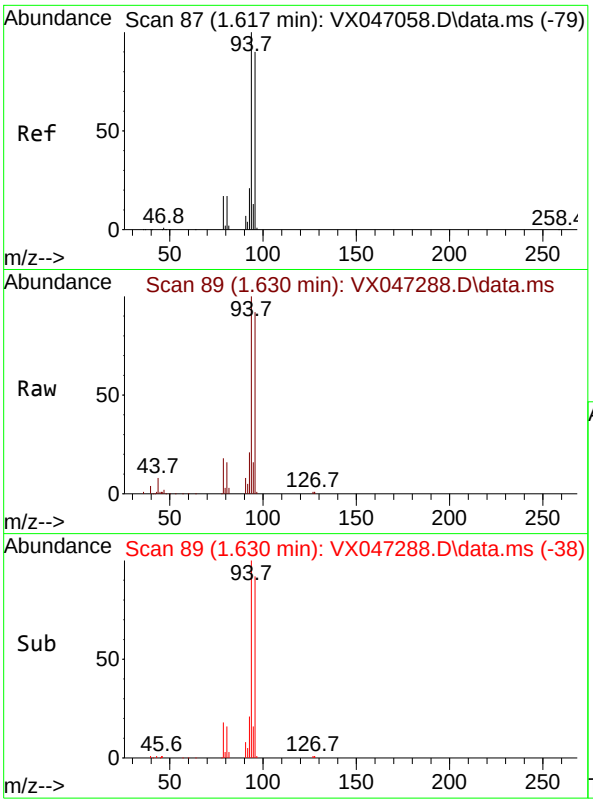


#4
Vinyl Chloride
Concen: 18.923 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 62 Resp: 71280

Ion	Ratio	Lower	Upper
62	100		
64	33.4	25.2	37.8



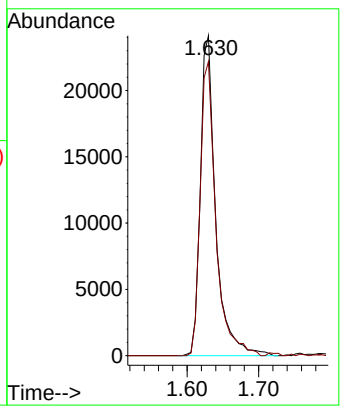


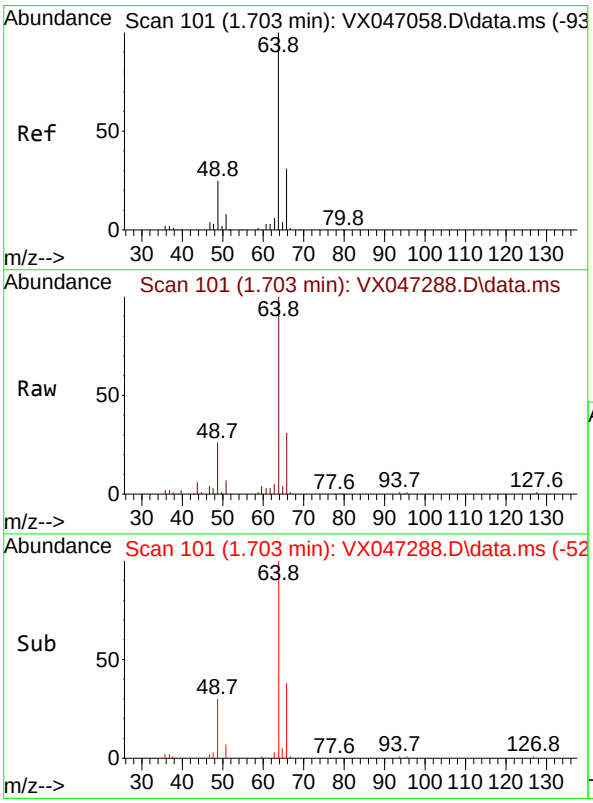
#5
Bromomethane
Concen: 17.507 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.013 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 94 Resp: 35824

Ion	Ratio	Lower	Upper
94	100		
96	93.0	72.3	108.5

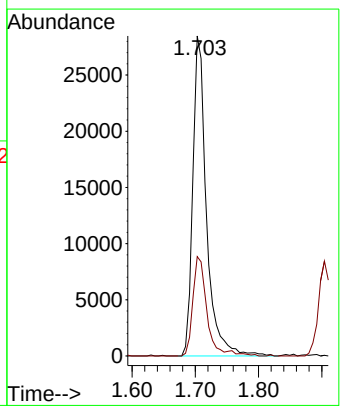


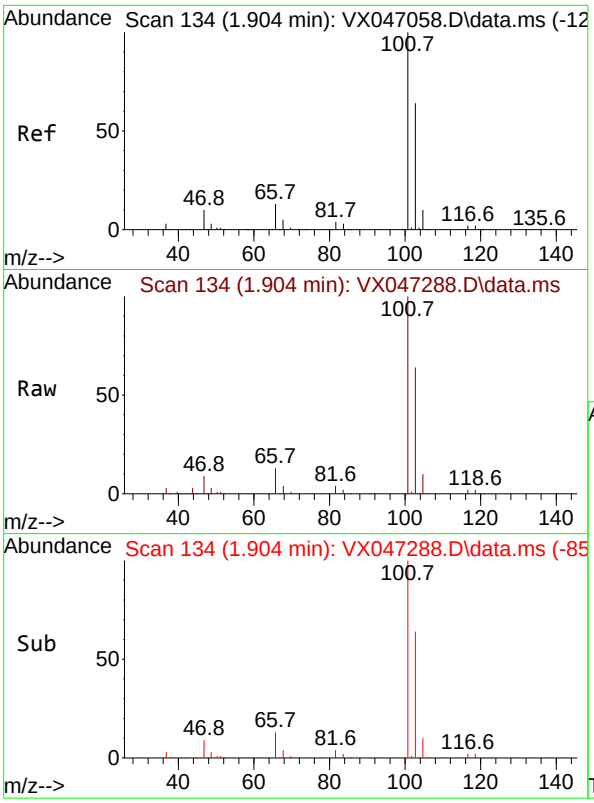


#6
Chloroethane
Concen: 17.337 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 64 Resp: 42892

Ion	Ratio	Lower	Upper
64	100		
66	31.1	25.0	37.6



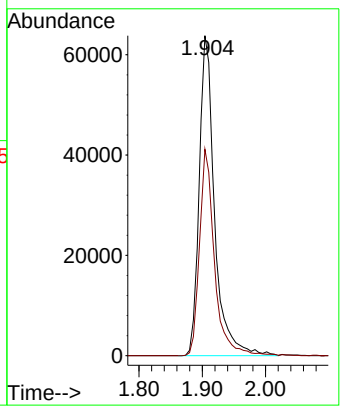


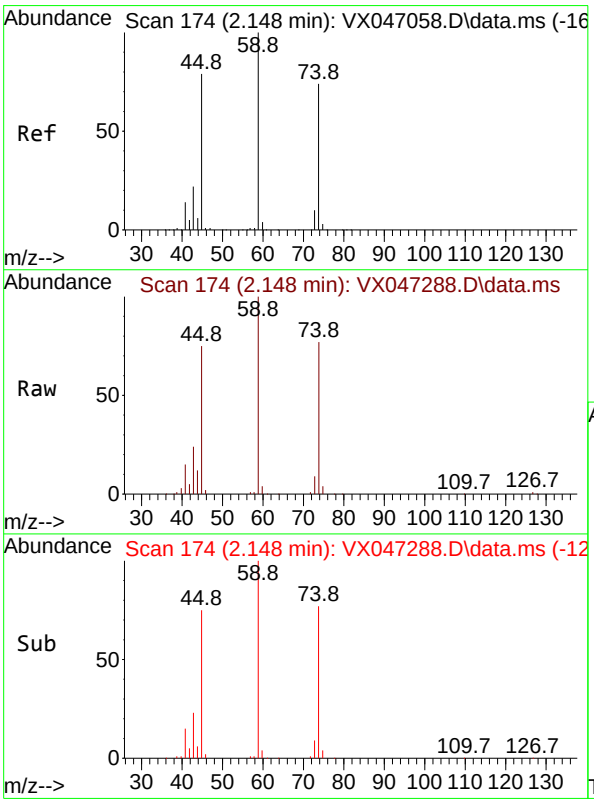
#7
Trichlorofluoromethane
Concen: 19.219 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:101 Resp: 107951

Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.9	76.3

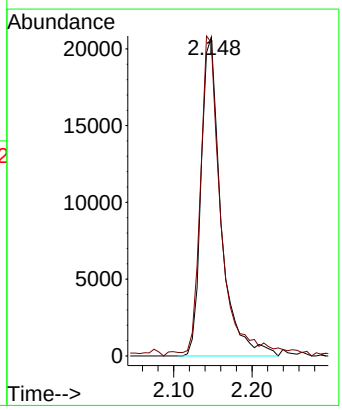


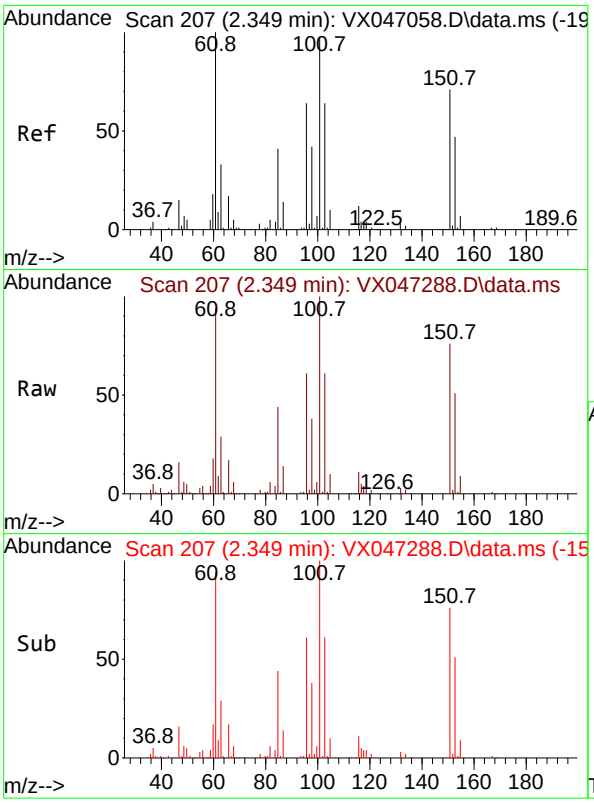


#8
Diethyl Ether
Concen: 18.403 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 74 Resp: 36446

Ion	Ratio	Lower	Upper
74	100		
45	105.5	53.0	159.0



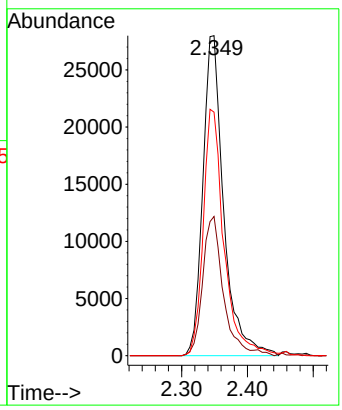


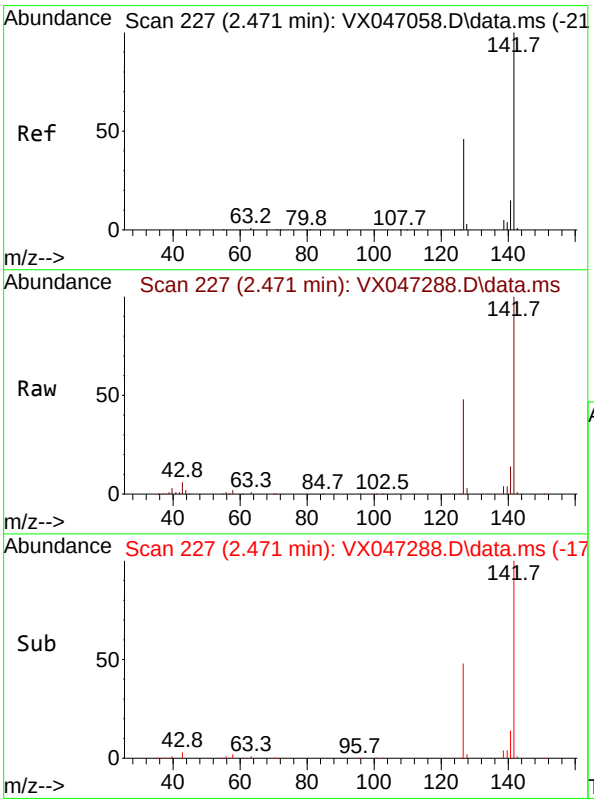
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.246 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:101 Resp: 61745

Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.4	53.0
151	76.6	59.2	88.8

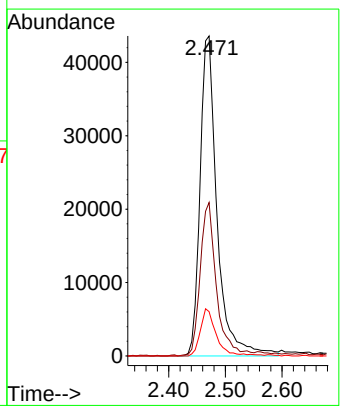


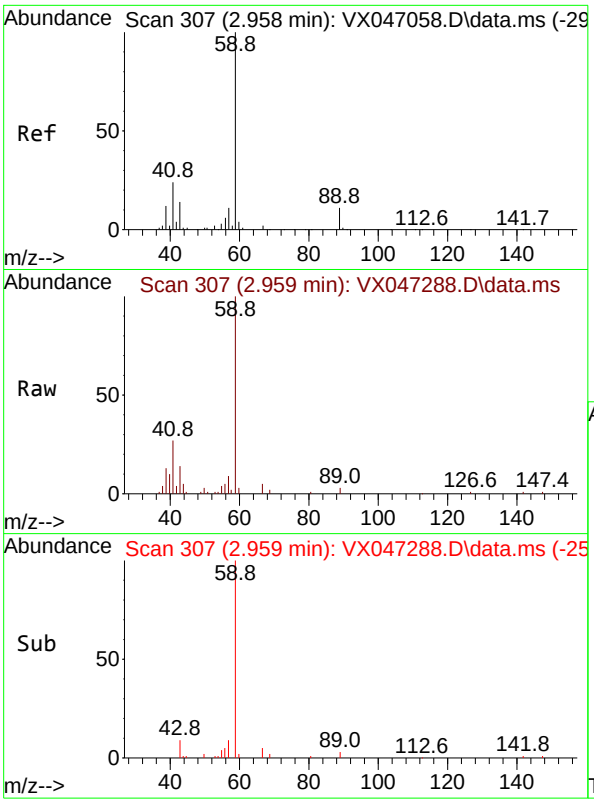


#10
Methyl Iodide
Concen: 26.326 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:142 Resp: 90798

Ion	Ratio	Lower	Upper
142	100		
127	45.9	36.6	54.8
141	13.8	10.9	16.3



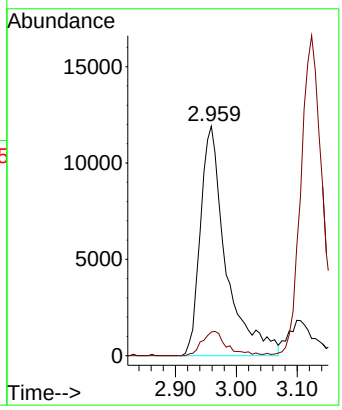


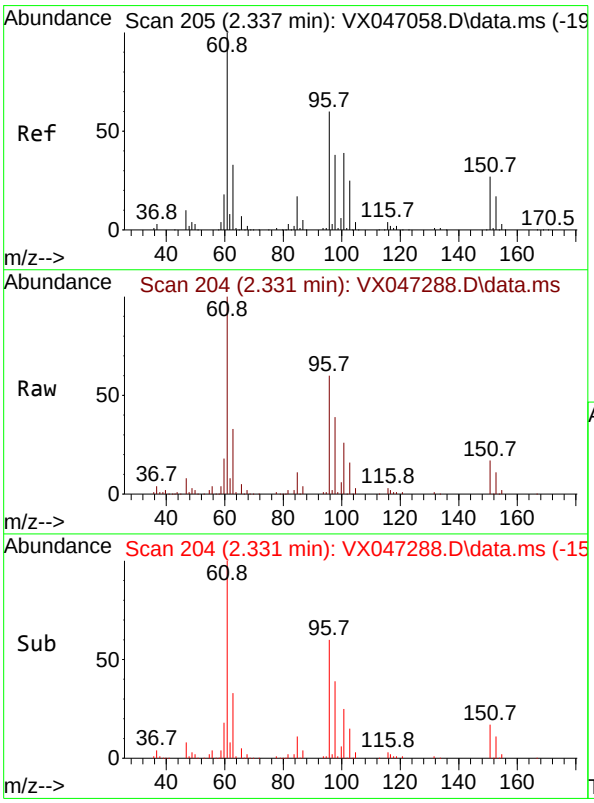
#11
Tert butyl alcohol
Concen: 82.511 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 59 Resp: 34722

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

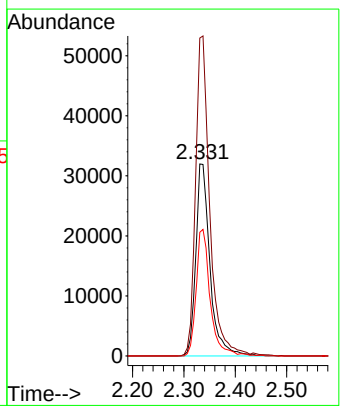


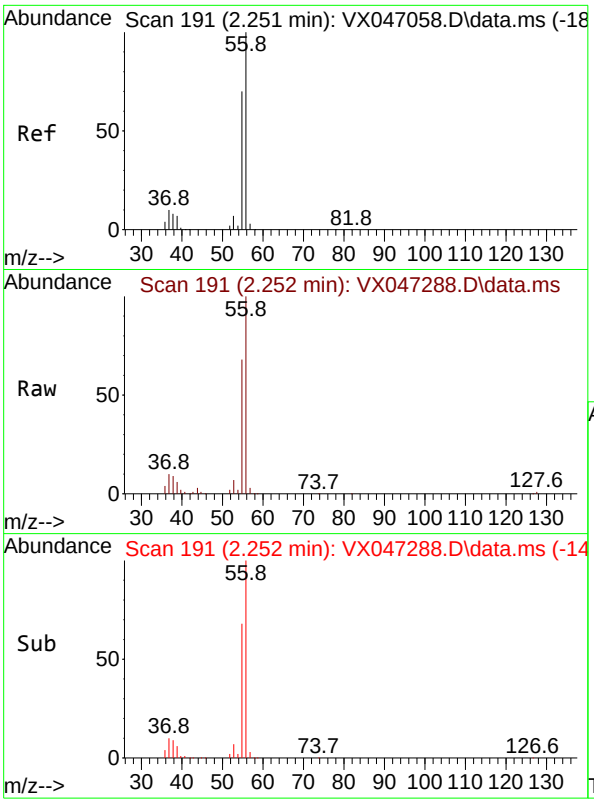


#12
1,1-Dichloroethene
Concen: 18.315 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 96 Resp: 61388

Ion	Ratio	Lower	Upper
96	100		
61	165.6	132.6	198.8
98	66.0	50.2	75.4



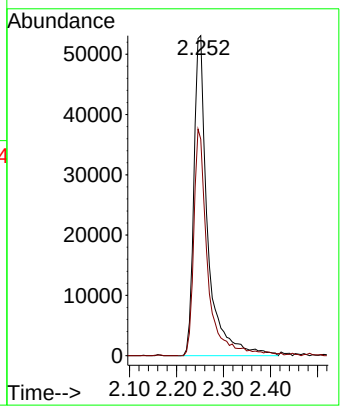


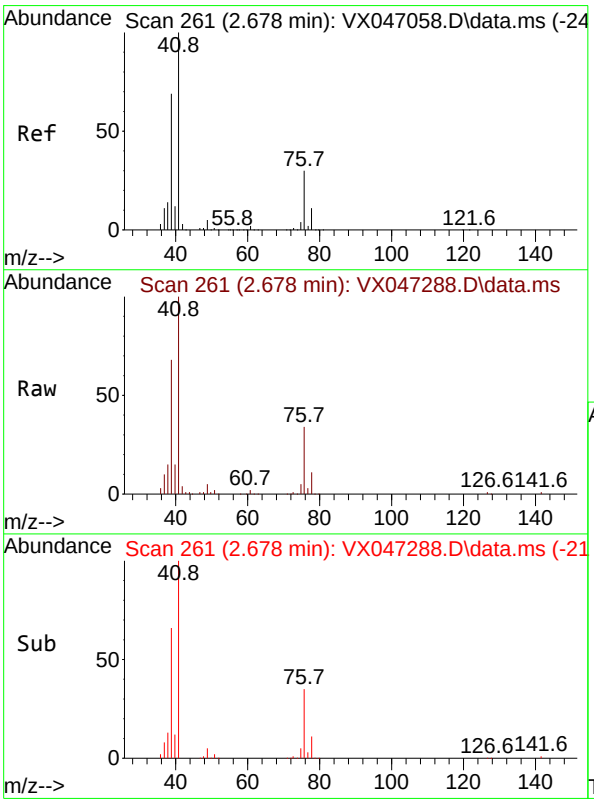
#13
Acrolein
Concen: 152.908 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 56 Resp: 109384

Ion	Ratio	Lower	Upper
56	100		
55	70.1	55.7	83.5

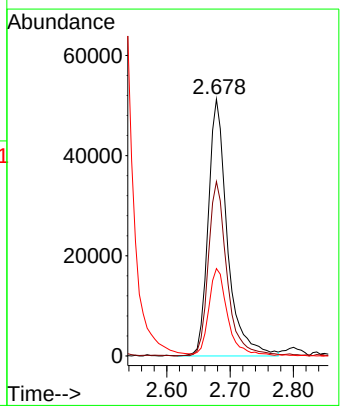


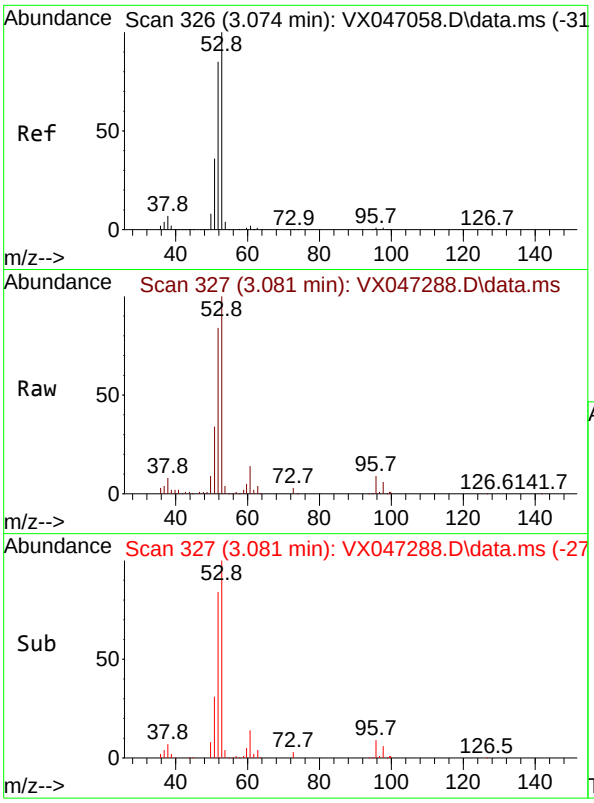


#14
Allyl chloride
Concen: 17.834 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 41 Resp: 108053

Ion	Ratio	Lower	Upper
41	100		
39	66.3	52.6	78.8
76	32.8	25.7	38.5



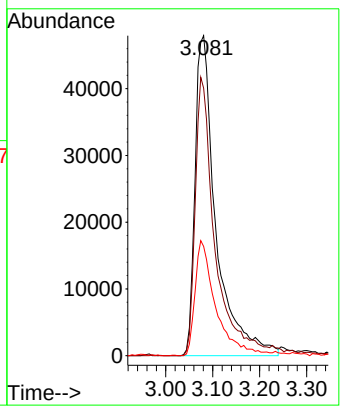


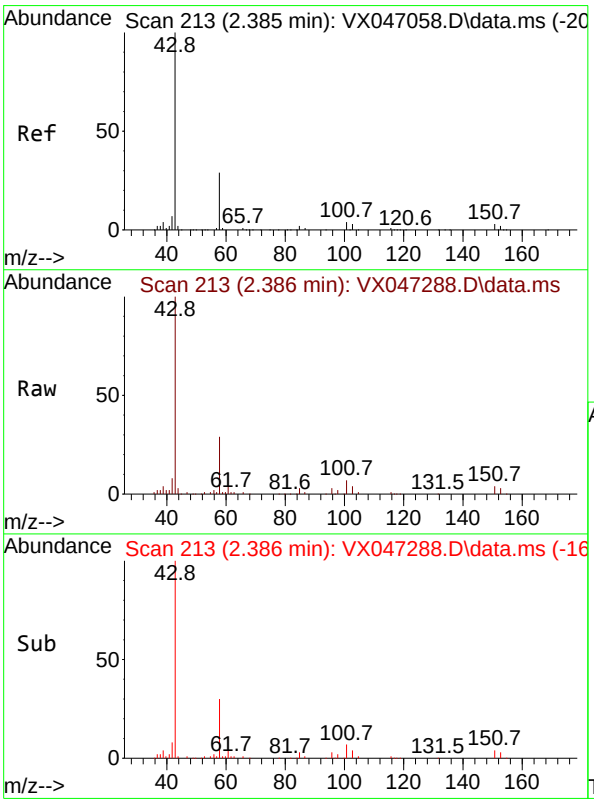
#15
Acrylonitrile
Concen: 93.980 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 53 Resp: 148912

Ion	Ratio	Lower	Upper
53	100		
52	81.3	65.7	98.5
51	35.6	28.8	43.2

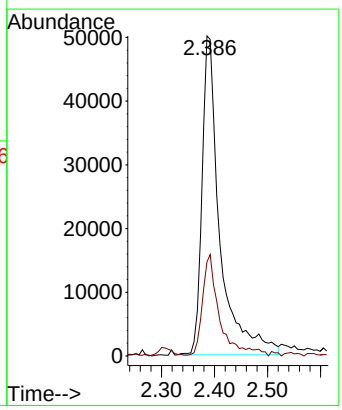


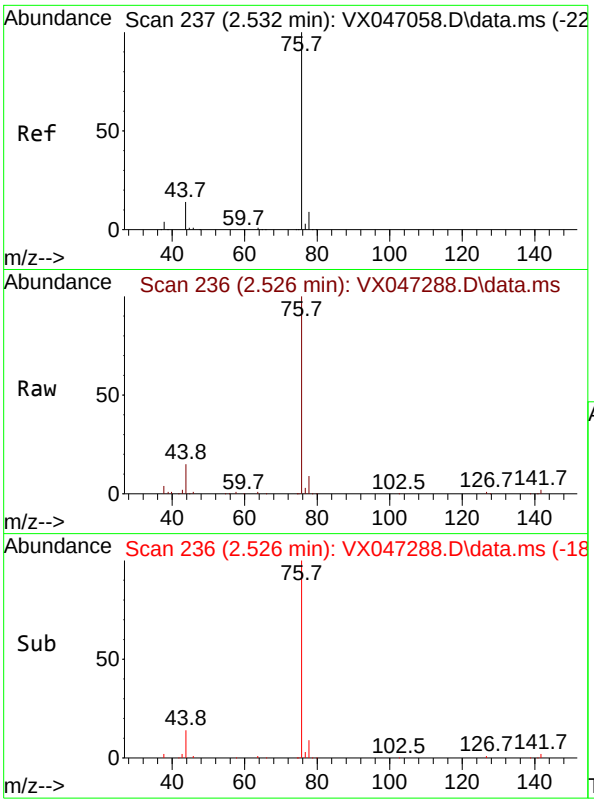


#16
Acetone
Concen: 87.955 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 43 Resp: 117062

Ion	Ratio	Lower	Upper
43	100		
58	29.0	24.0	36.0



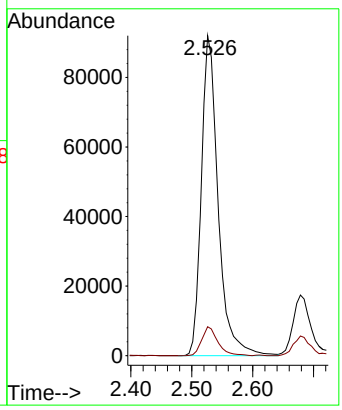


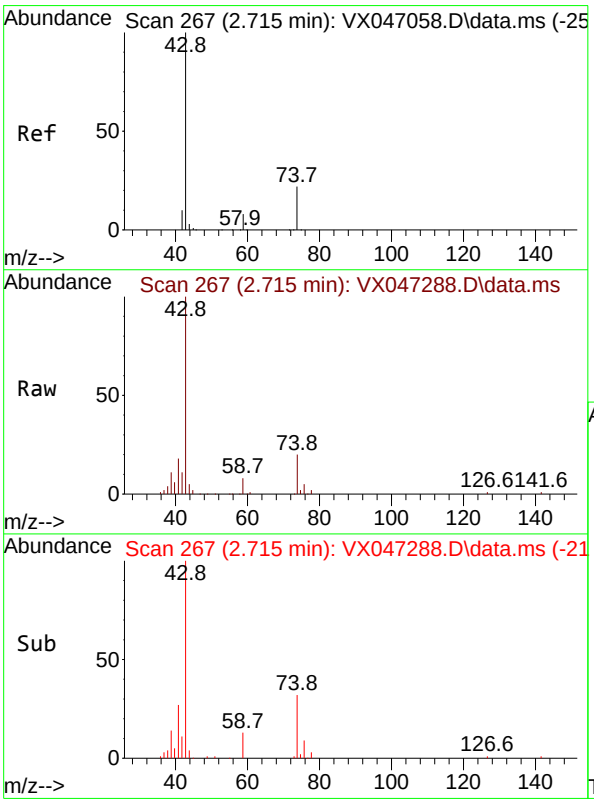
#17
Carbon Disulfide
Concen: 18.176 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 76 Resp: 176245

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

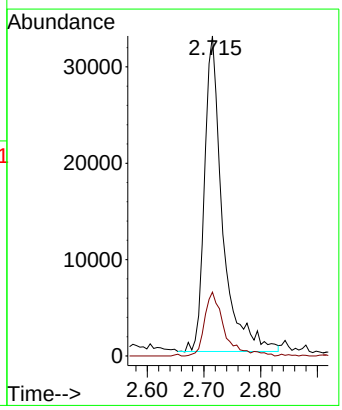


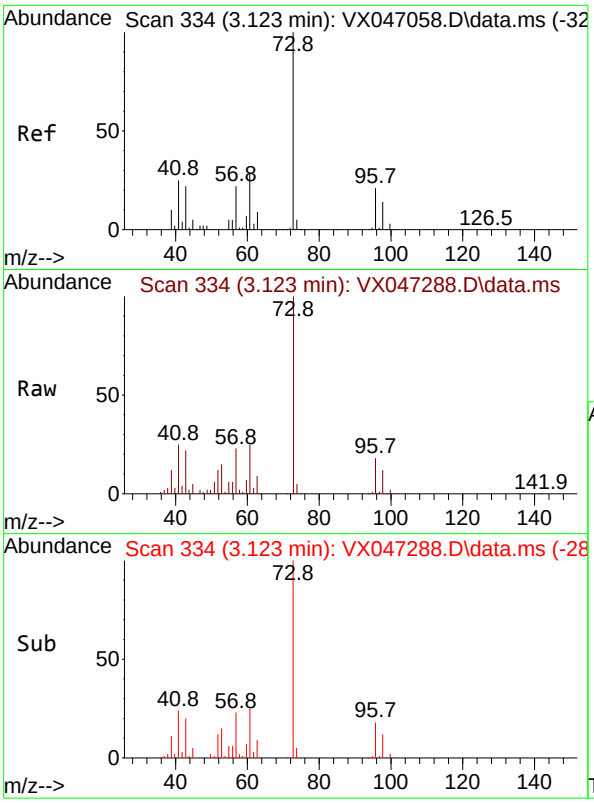


#18
Methyl Acetate
Concen: 20.493 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 43 Resp: 72484

Ion	Ratio	Lower	Upper
43	100		
74	21.1	17.7	26.5



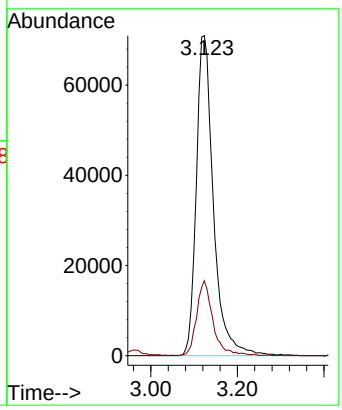


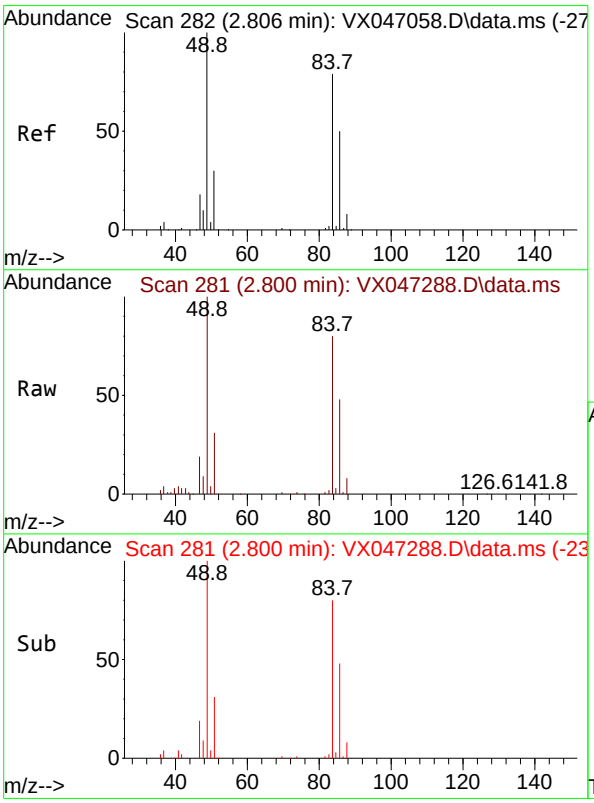
#19
Methyl tert-butyl Ether
Concen: 19.110 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 73 Resp: 194935

Ion	Ratio	Lower	Upper
73	100		
57	23.4	17.7	26.5

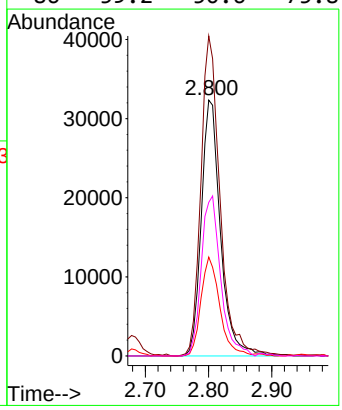


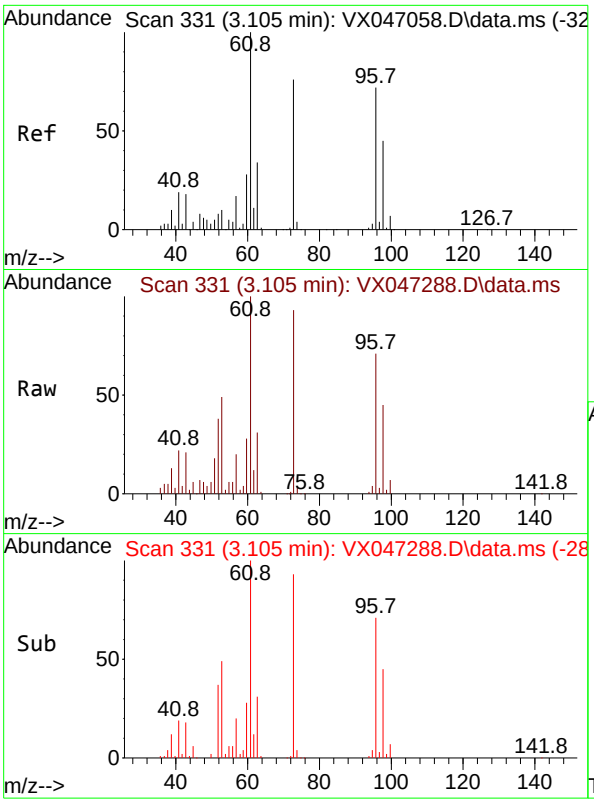


#20
Methylene Chloride
Concen: 18.650 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 84 Resp: 68289

Ion	Ratio	Lower	Upper
84	100		
49	121.1	101.6	152.4
51	37.4	30.3	45.5
86	59.2	50.6	75.8



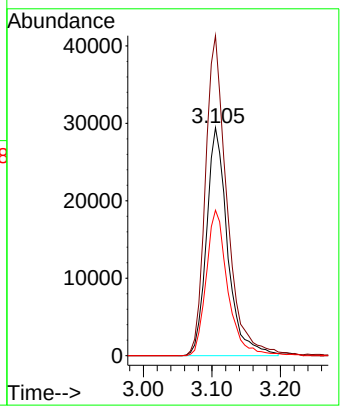


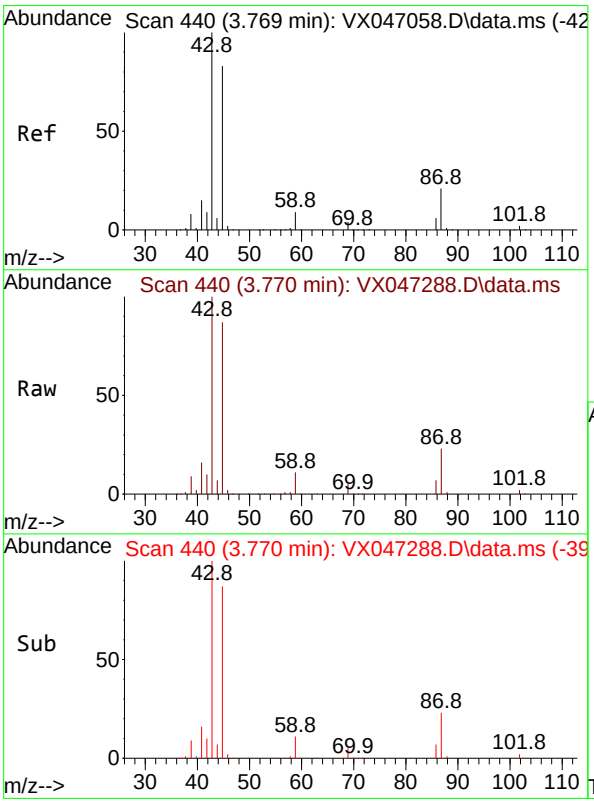
#21
trans-1,2-Dichloroethene
Concen: 18.386 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 96 Resp: 63062

Ion	Ratio	Lower	Upper
96	100		
61	140.4	111.1	166.7
98	63.8	49.6	74.4

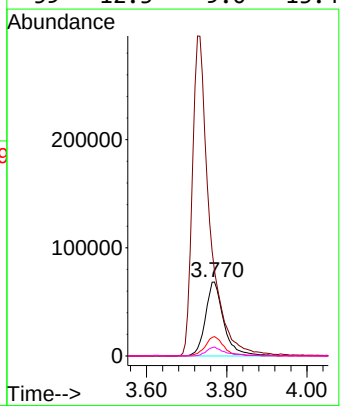


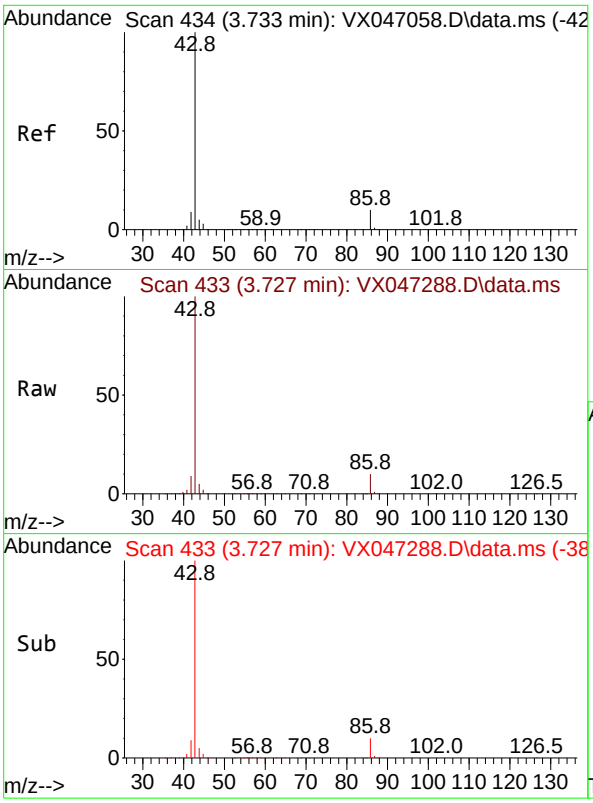


#22
Diisopropyl ether
Concen: 18.641 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 45 Resp: 217146

Ion	Ratio	Lower	Upper
45	100		
43	114.3	96.8	145.2
87	26.0	20.5	30.7
59	12.3	9.0	13.4



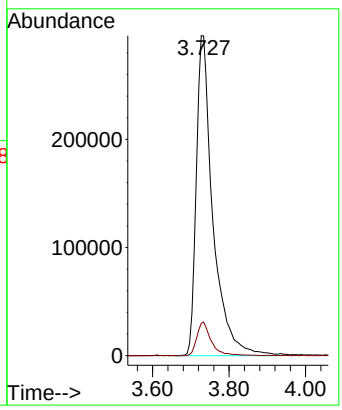


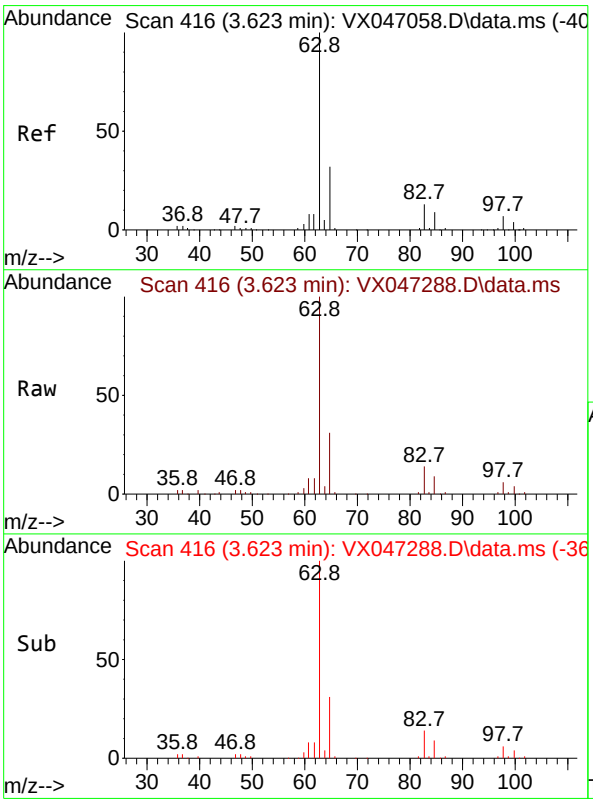
#23
Vinyl Acetate
Concen: 95.391 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 43 Resp: 891231

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

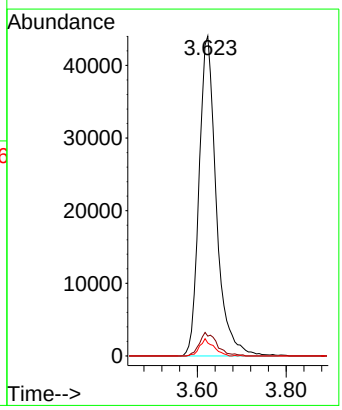


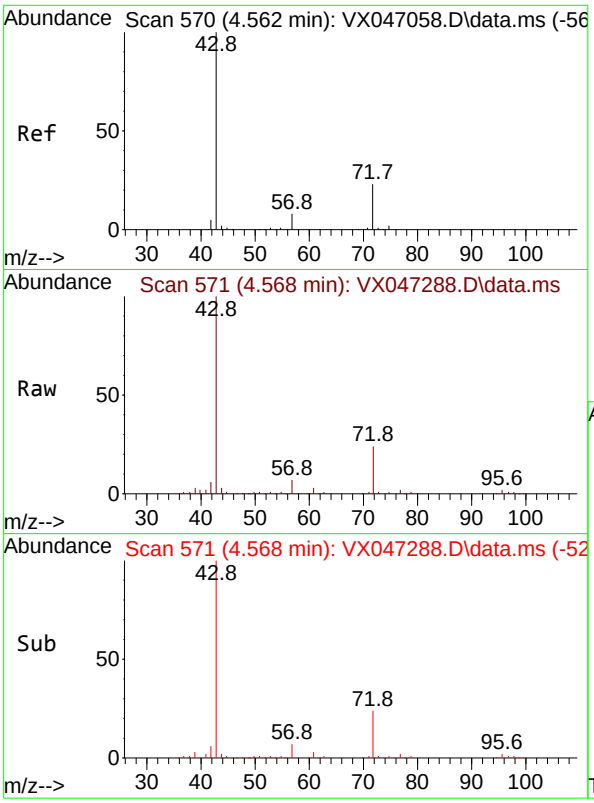


#24
1,1-Dichloroethane
Concen: 18.330 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 63 Resp: 118731

Ion	Ratio	Lower	Upper
63	100		
98	6.2	3.6	10.8
100	4.1	2.3	6.8



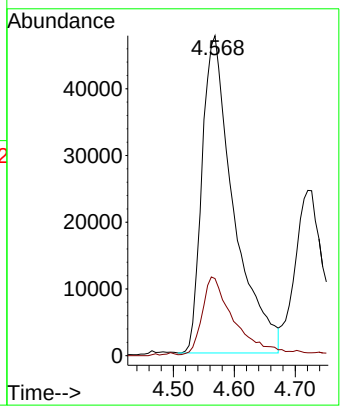


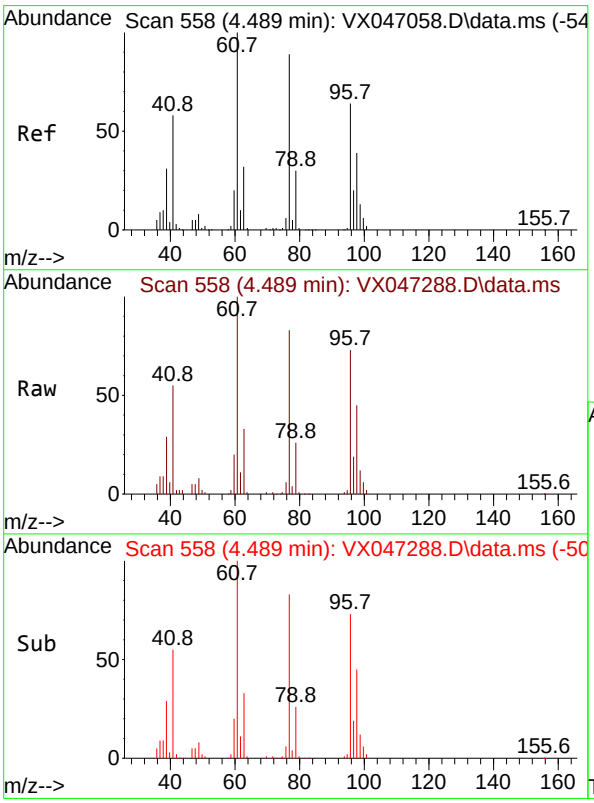
#25
2-Butanone
Concen: 88.371 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 43 Resp: 171260

Ion	Ratio	Lower	Upper
43	100		
72	24.3	18.8	28.2

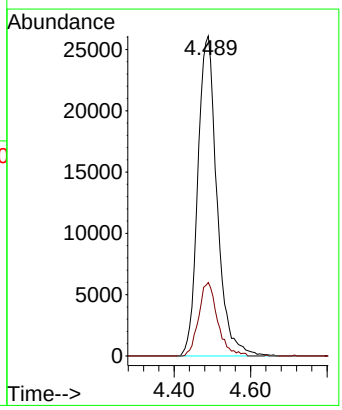


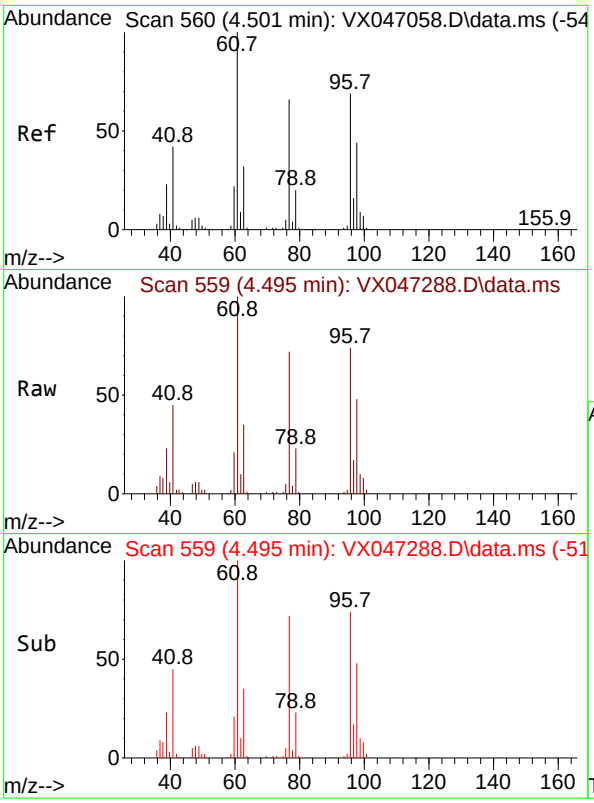


#26
2,2-Dichloropropane
Concen: 18.102 ug/l
RT: 4.489 min Scan# 558
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 77 Resp: 90767

Ion	Ratio	Lower	Upper
77	100		
97	22.6	11.4	34.1



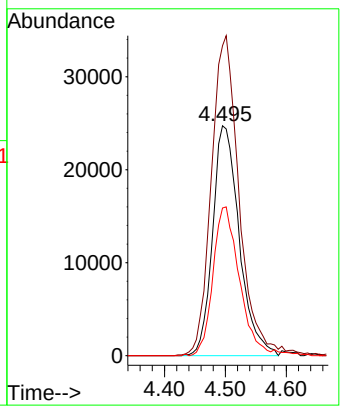


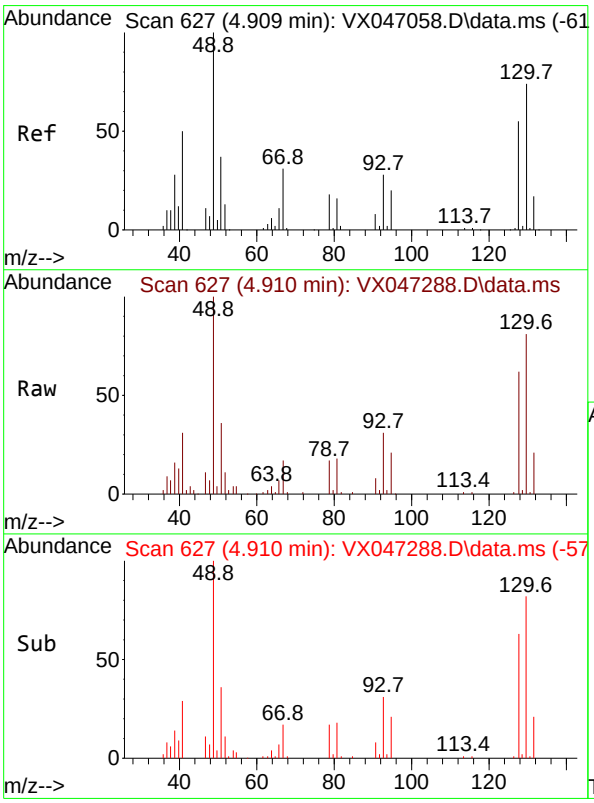
#27
cis-1,2-Dichloroethene
Concen: 18.457 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 96 Resp: 74965

Ion	Ratio	Lower	Upper
96	100		
61	146.5	0.0	298.6
98	63.9	0.0	128.8

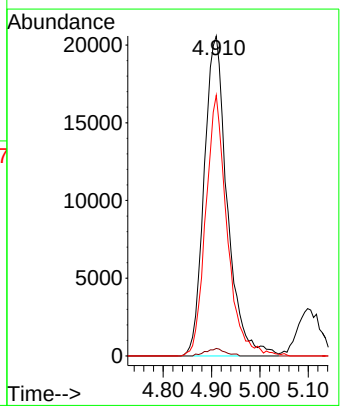


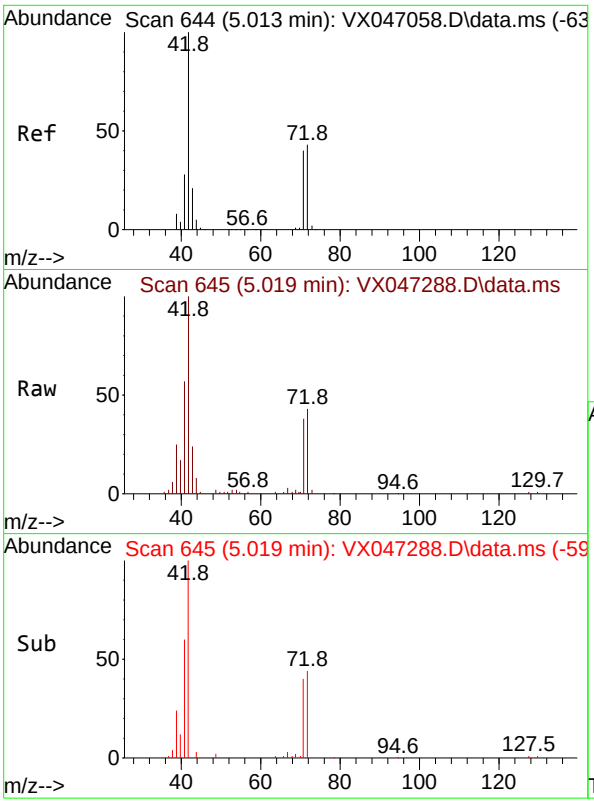


#28
Bromochloromethane
Concen: 22.890 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 49 Resp: 68214

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	75.7	59.0	88.4



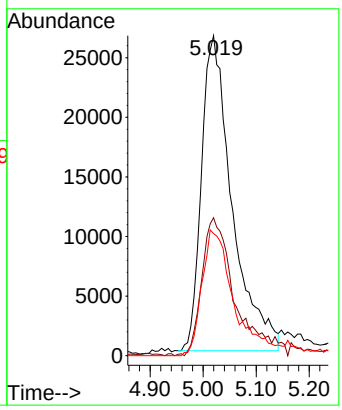


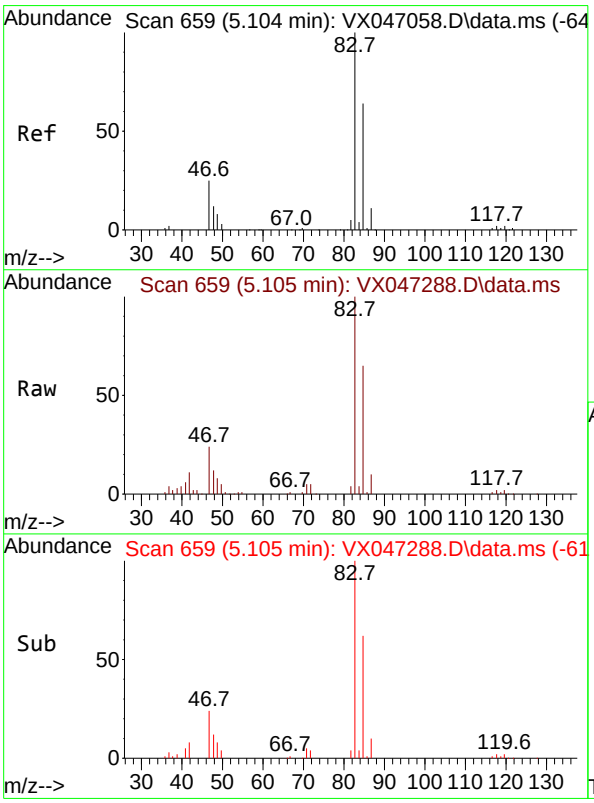
#29
Tetrahydrofuran
Concen: 84.883 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 42 Resp: 106137

Ion	Ratio	Lower	Upper
42	100		
72	47.3	33.7	50.5
71	41.5	31.0	46.4

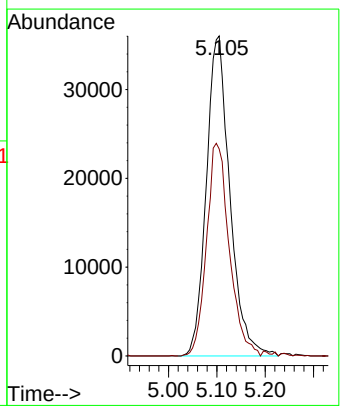


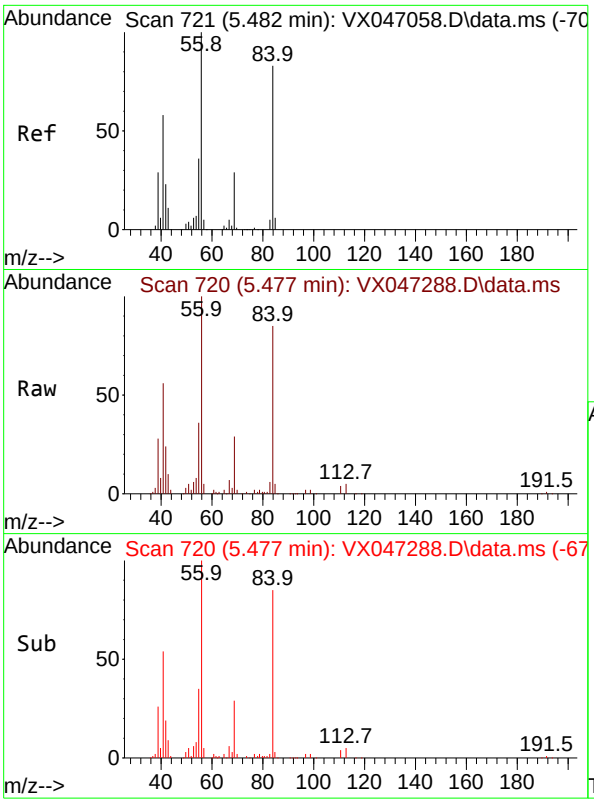


#30
Chloroform
Concen: 18.467 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 83 Resp: 121763

Ion	Ratio	Lower	Upper
83	100		
85	64.7	50.9	76.3



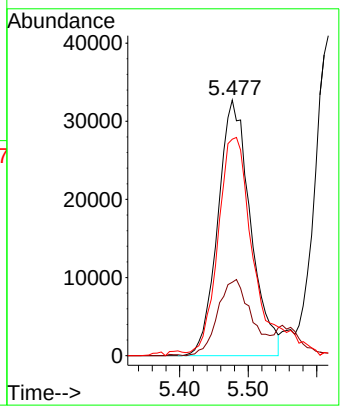


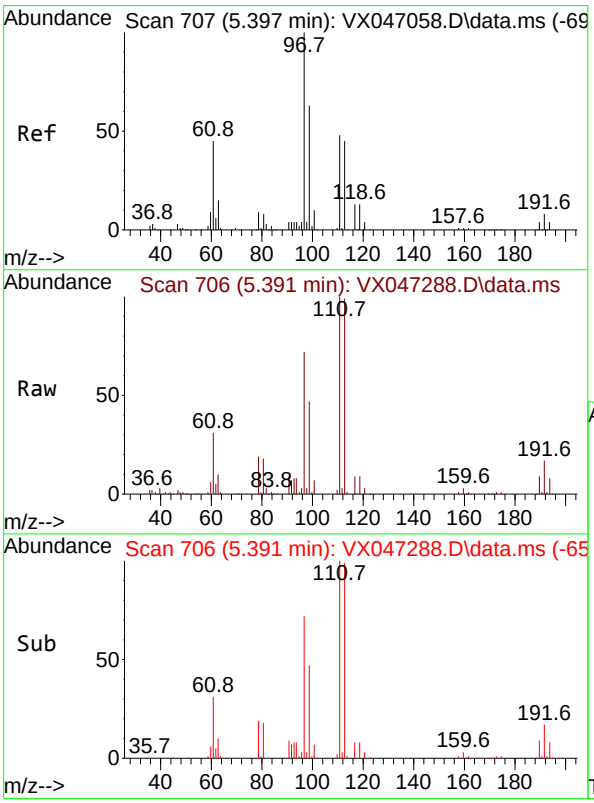
#31
Cyclohexane
Concen: 17.389 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 56 Resp: 108000

Ion	Ratio	Lower	Upper
56	100		
69	28.3	23.3	34.9
84	82.8	66.5	99.7

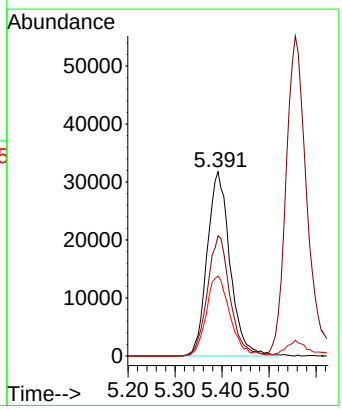


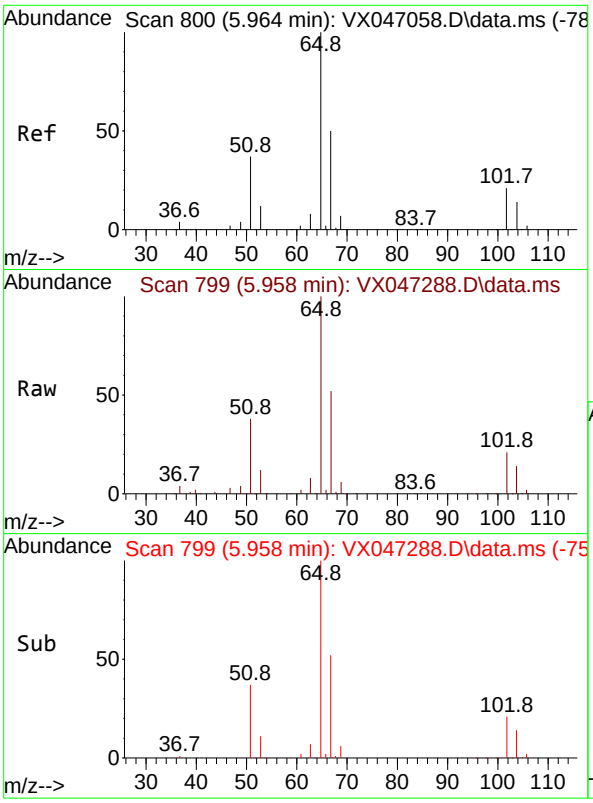


#32
1,1,1-Trichloroethane
Concen: 18.685 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 97 Resp: 107008

Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.2	76.8
61	45.3	37.1	55.7



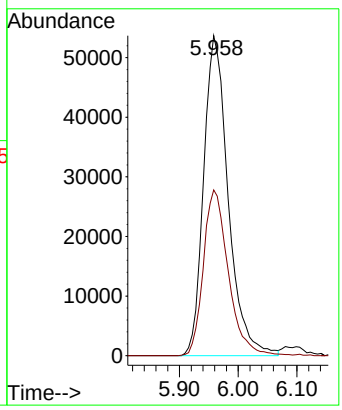


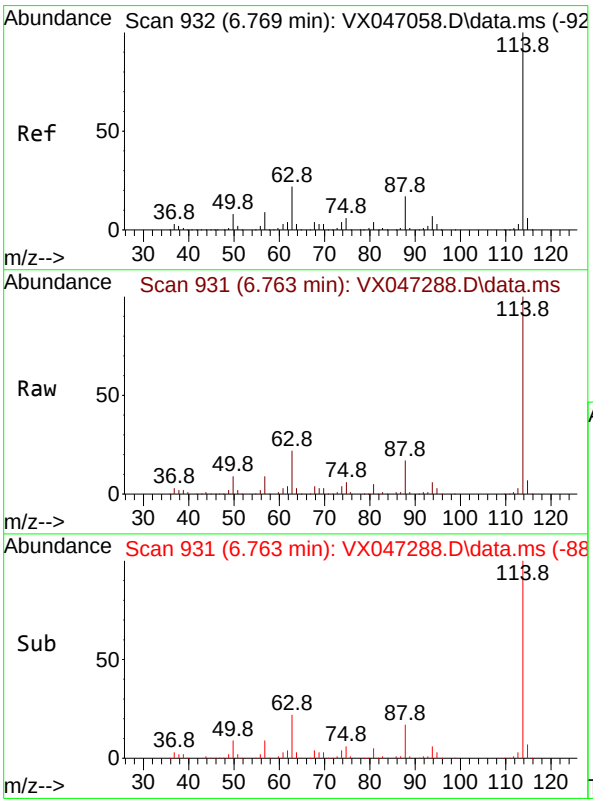
#33
1,2-Dichloroethane-d4
Concen: 46.963 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 65 Resp: 156027

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.8

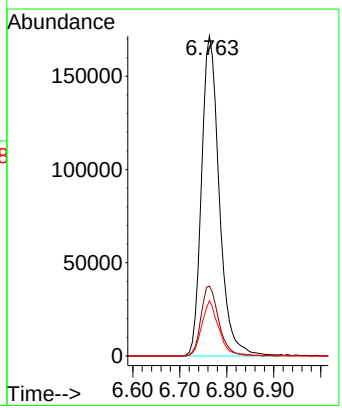


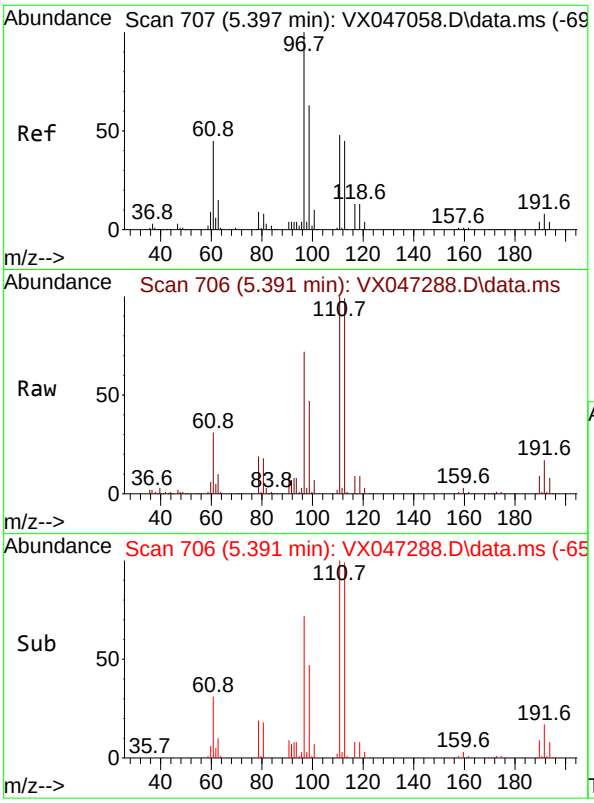


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:114 Resp: 450165

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	17.2	0.0	33.8



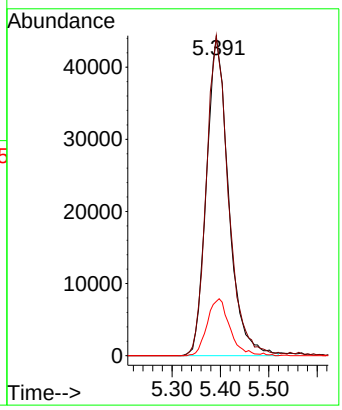


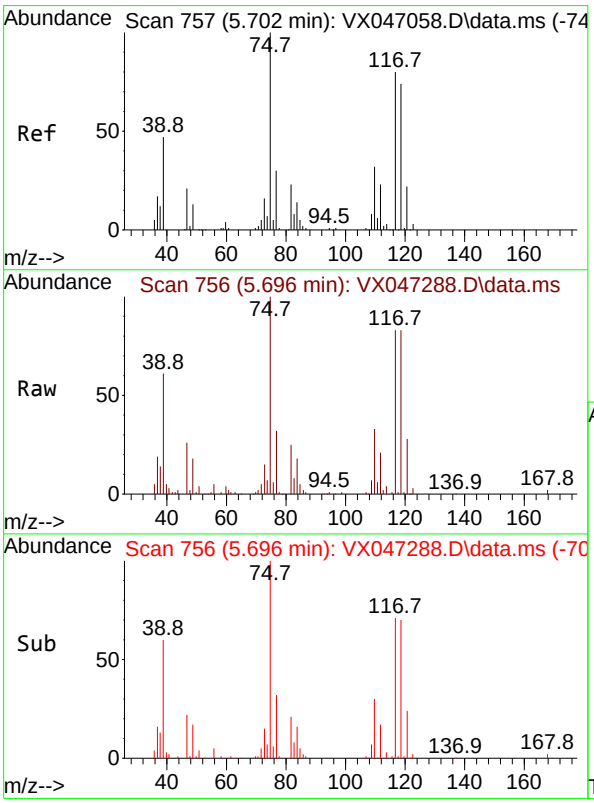
#35
Dibromofluoromethane
Concen: 50.458 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:113 Resp: 140246

Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.6	124.0
192	18.2	14.9	22.3

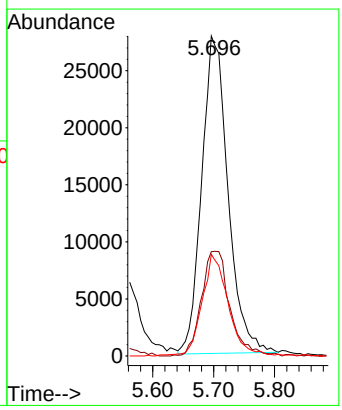


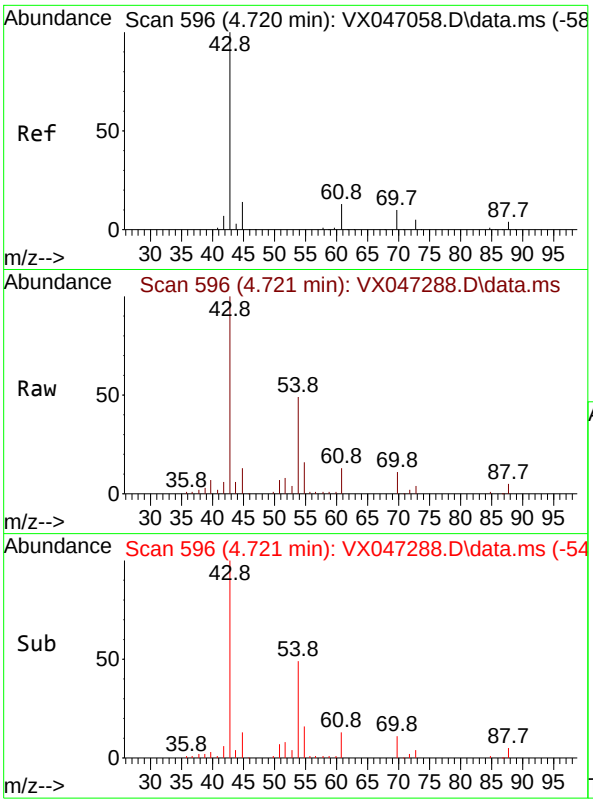


#36
1,1-Dichloropropene
Concen: 17.638 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 75 Resp: 83564

Ion	Ratio	Lower	Upper
75	100		
110	35.5	17.2	51.5
77	32.0	25.1	37.7



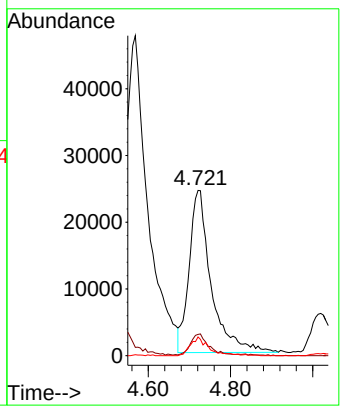


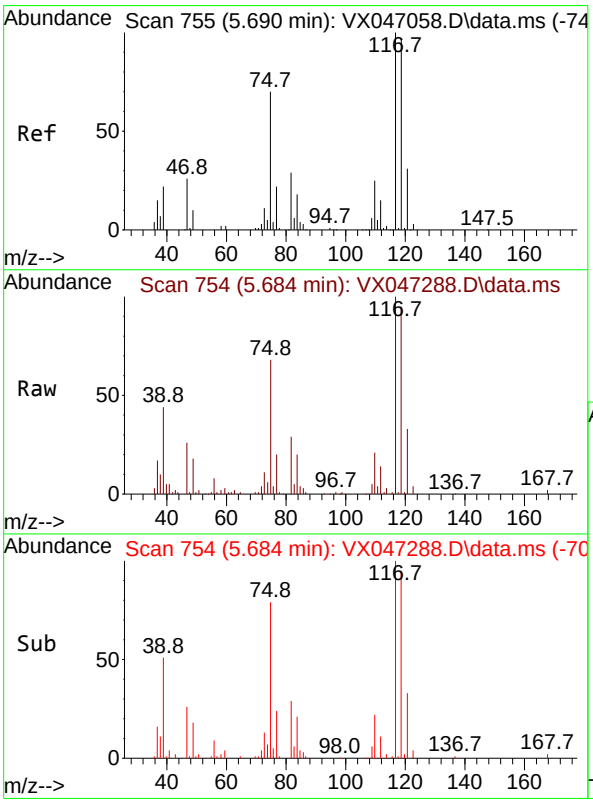
#37
Ethyl Acetate
Concen: 20.726 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 43 Resp: 90485

Ion	Ratio	Lower	Upper
43	100		
61	10.3	10.2	15.2
70	9.6	8.1	12.1

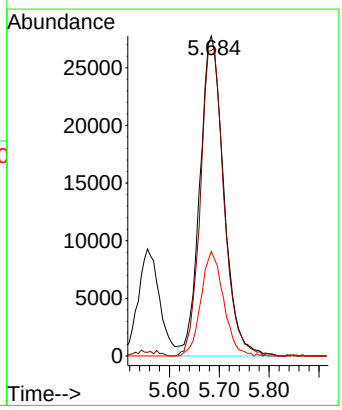


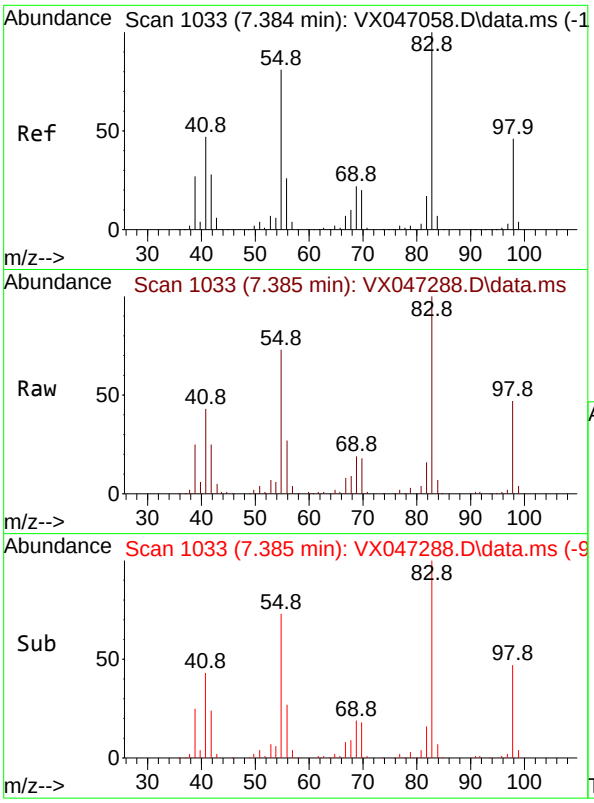


#38
Carbon Tetrachloride
Concen: 18.286 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:117 Resp: 92470

Ion	Ratio	Lower	Upper
117	100		
119	95.4	76.6	115.0
121	32.6	24.4	36.6



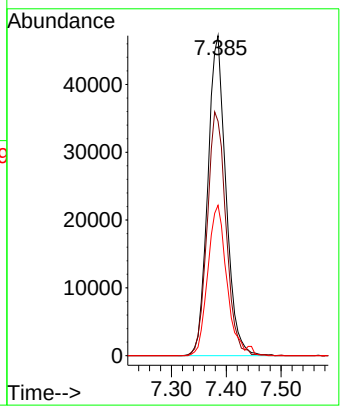


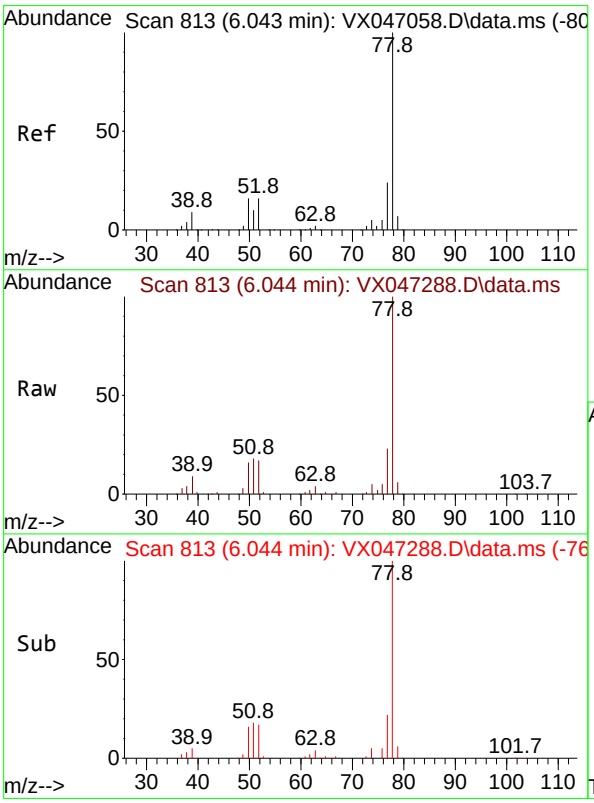
#39
Methylcyclohexane
Concen: 18.264 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 83 Resp: 108041

Ion	Ratio	Lower	Upper
83	100		
55	73.3	64.5	96.7
98	47.0	36.9	55.3

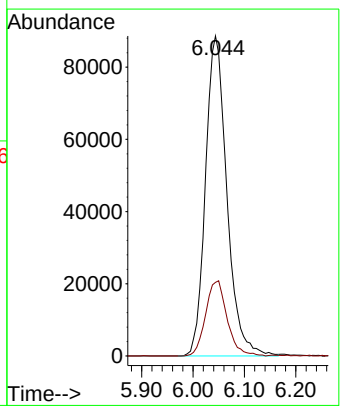


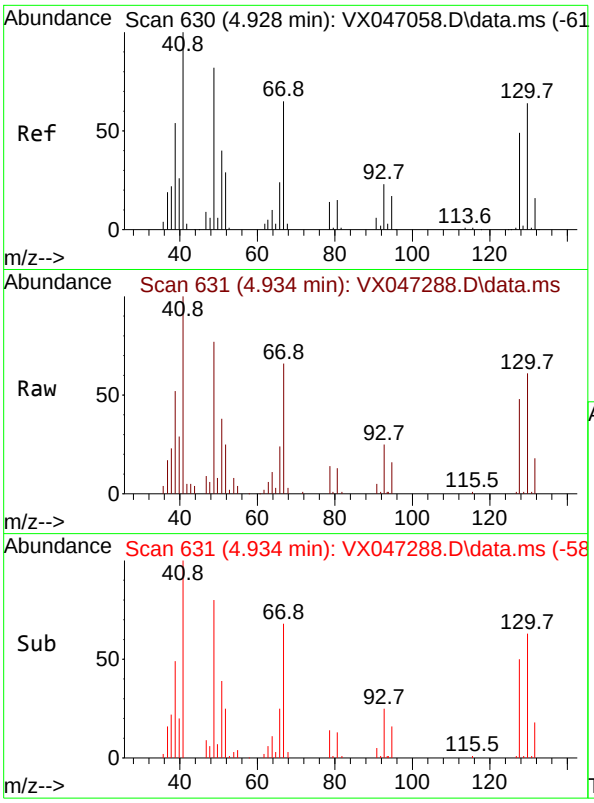


#40
Benzene
Concen: 18.710 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 78 Resp: 256537

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.4



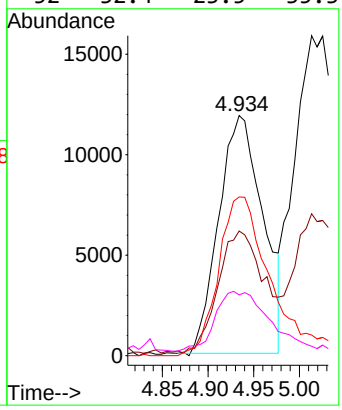


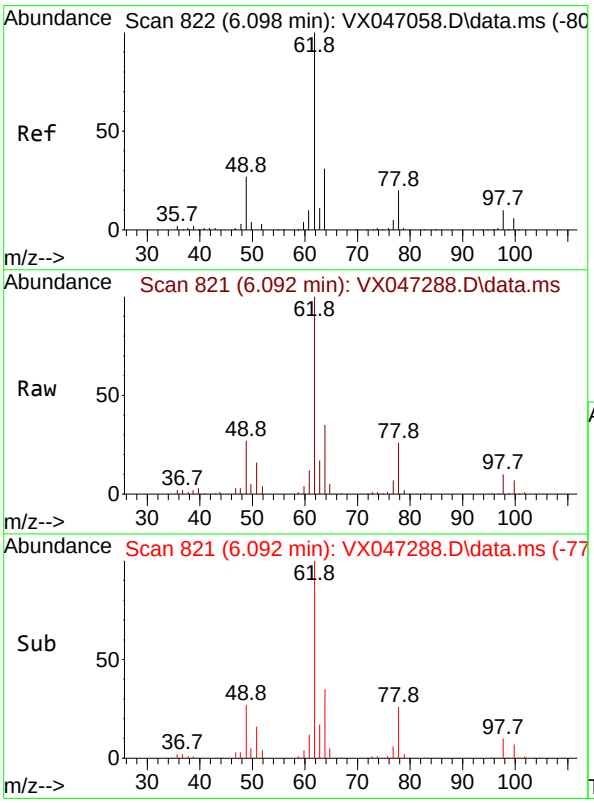
#41
Methacrylonitrile
Concen: 17.439 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 41 Resp: 39807

Ion	Ratio	Lower	Upper
41	100		
39	53.3	44.2	66.2
67	80.8	56.4	84.6
52	32.4	23.5	35.3

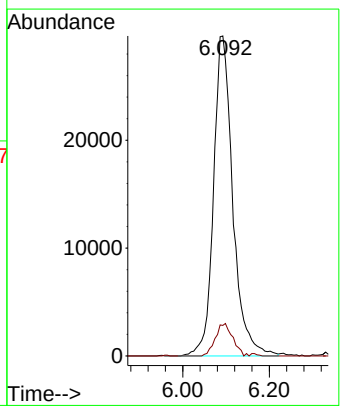


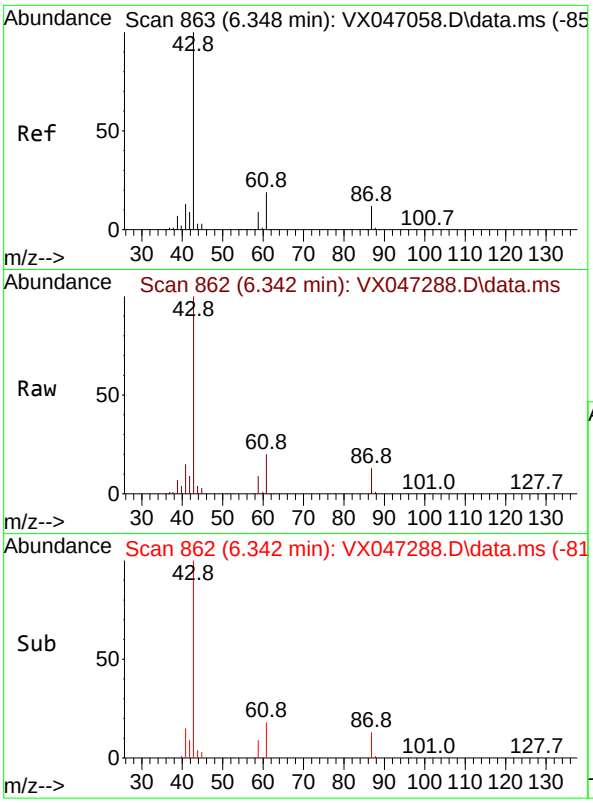


#42
1,2-Dichloroethane
Concen: 19.007 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 62 Resp: 91804

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8



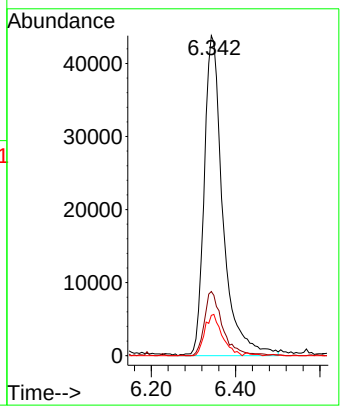


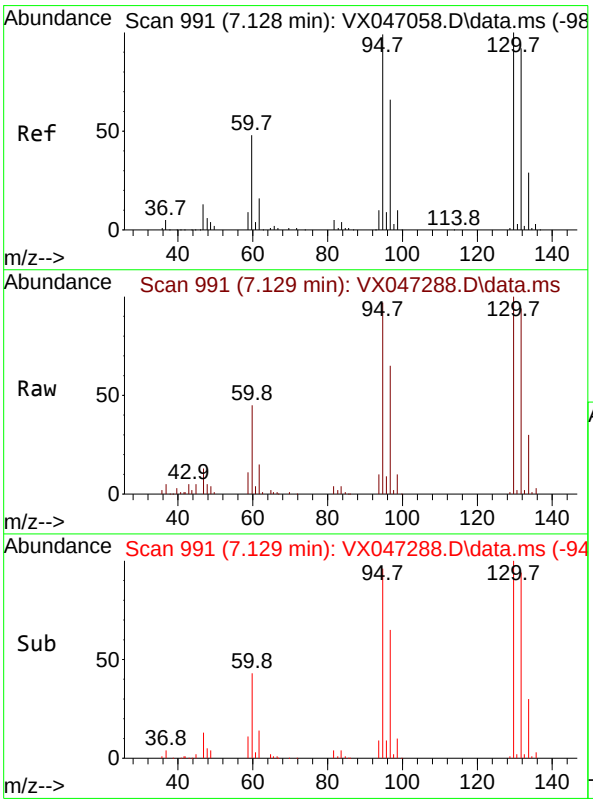
#43
Isopropyl Acetate
Concen: 19.859 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 43 Resp: 135160

Ion	Ratio	Lower	Upper
43	100		
61	19.5	15.1	22.7
87	11.9	9.7	14.5

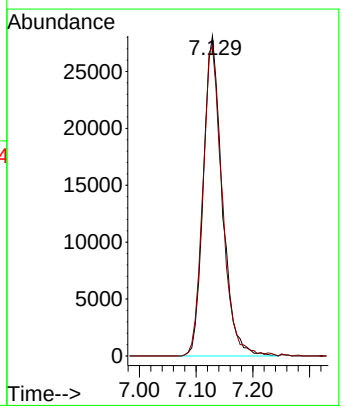


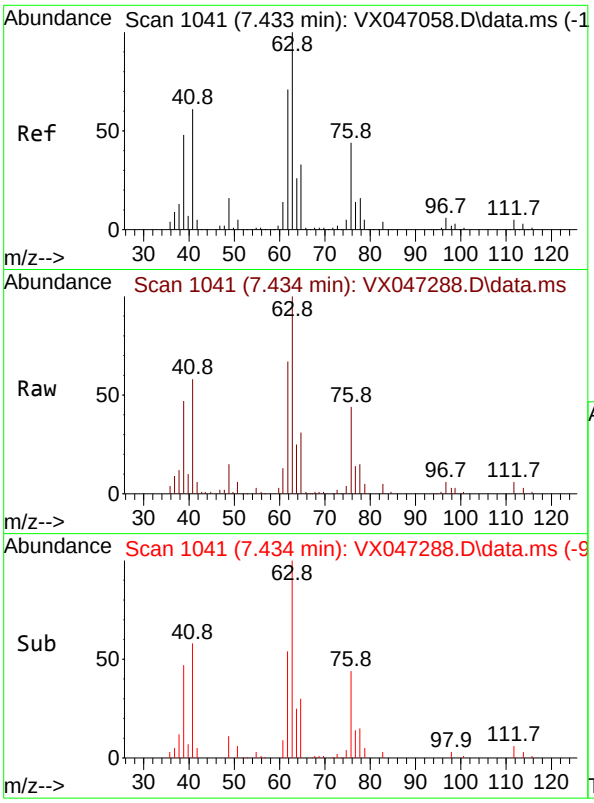


#44
Trichloroethene
Concen: 18.418 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:130 Resp: 64759

Ion	Ratio	Lower	Upper
130	100		
95	96.9	0.0	198.6



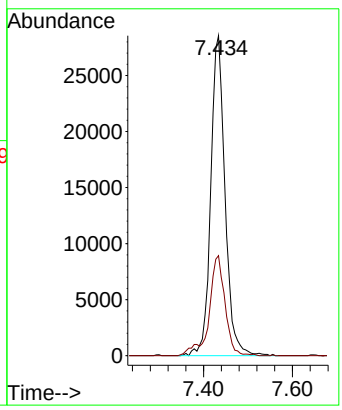


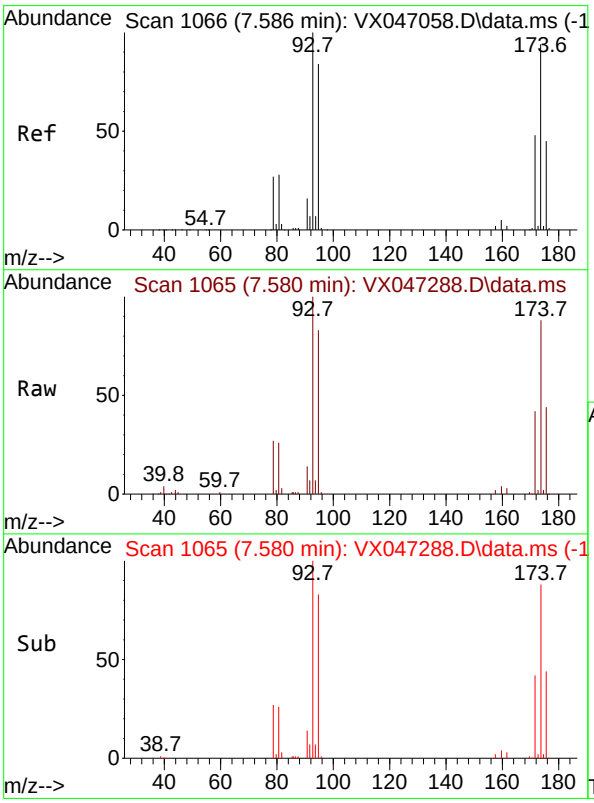
#45
1,2-Dichloropropane
Concen: 18.563 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 63 Resp: 63746

Ion	Ratio	Lower	Upper
63	100		
65	31.3	26.3	39.5

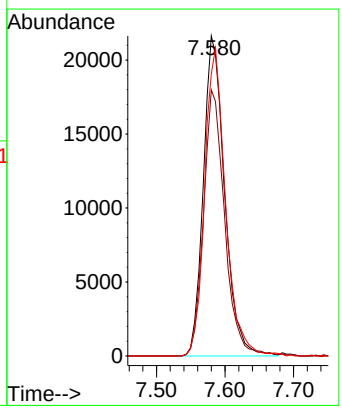


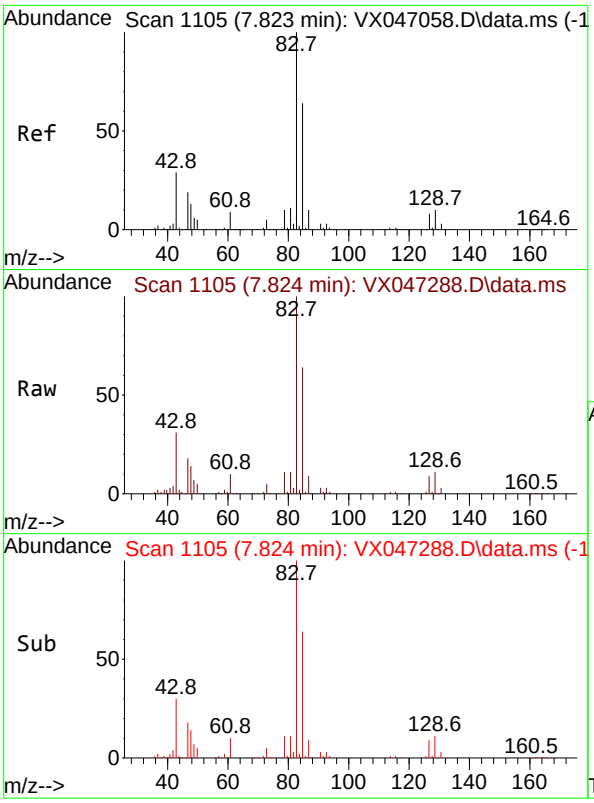


#46
Dibromomethane
Concen: 19.339 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 93 Resp: 46573

Ion	Ratio	Lower	Upper
93	100		
95	83.0	65.9	98.9
174	94.4	74.6	112.0



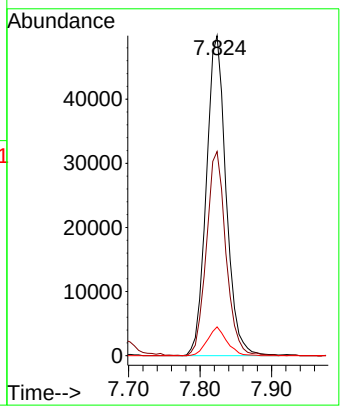


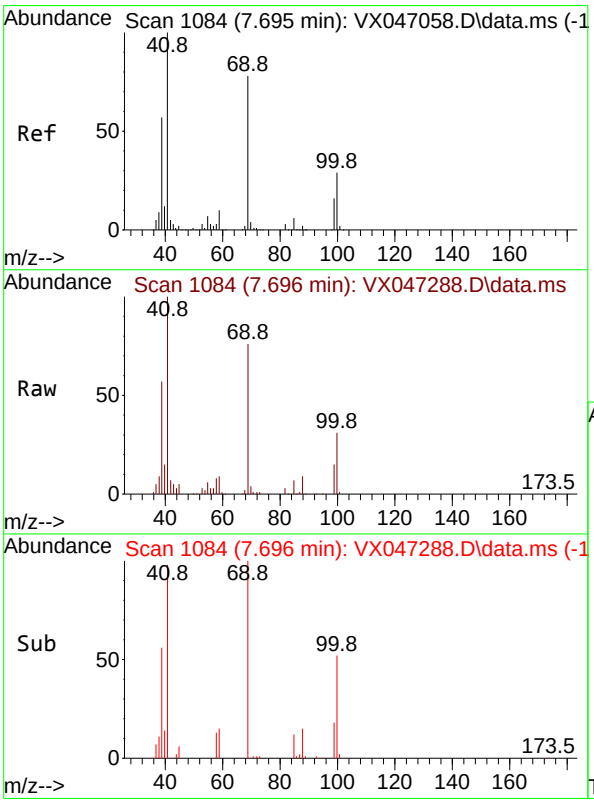
#47
Bromodichloromethane
Concen: 18.645 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 83 Resp: 95572

Ion	Ratio	Lower	Upper
83	100		
85	63.8	49.9	74.9
127	9.0	6.6	10.0

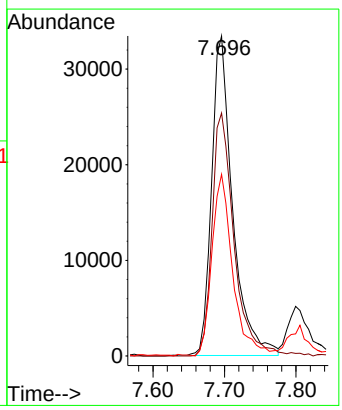


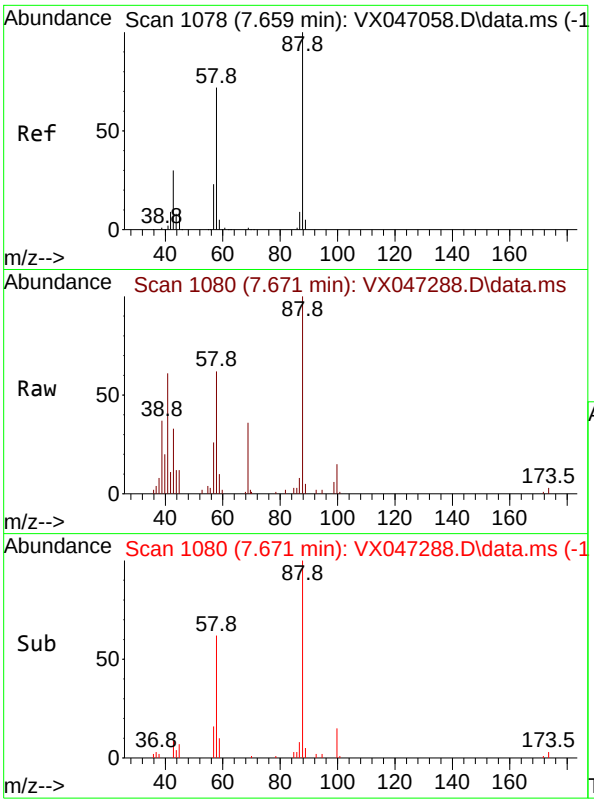


#48
Methyl methacrylate
Concen: 18.402 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 41 Resp: 68229

Ion	Ratio	Lower	Upper
41	100		
69	79.1	62.3	93.5
39	55.7	44.8	67.2



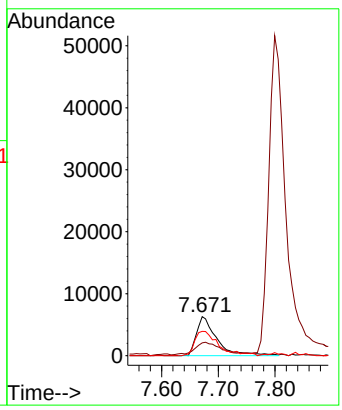


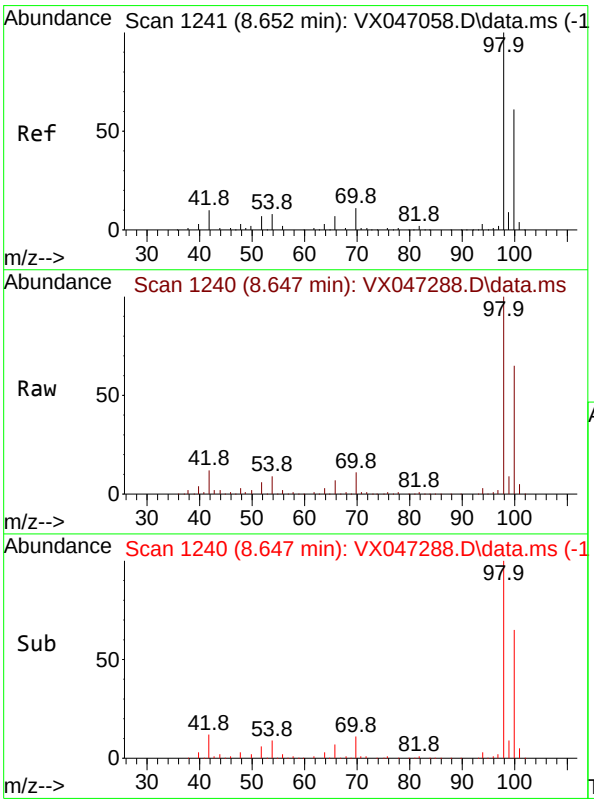
#49
1,4-Dioxane
Concen: 372.088 ug/l
RT: 7.671 min Scan# 1
Delta R.T. 0.013 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 88 Resp: 15691

Ion	Ratio	Lower	Upper
88	100		
43	42.0	33.6	50.4
58	71.0	58.8	88.2

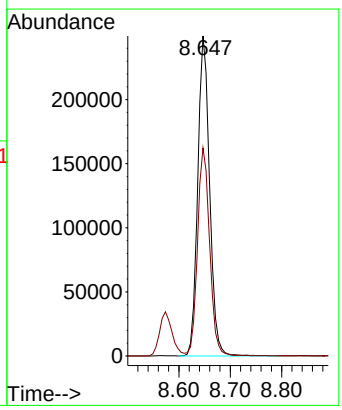


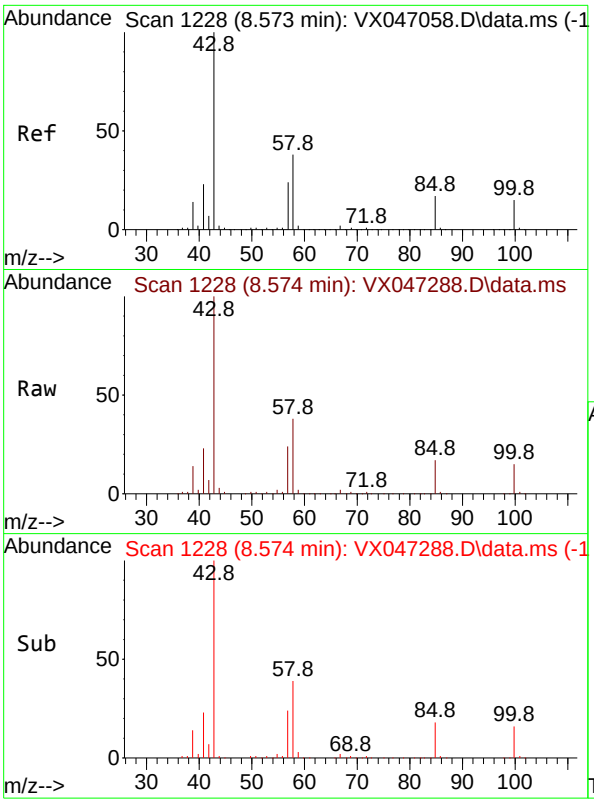


#50
Toluene-d8
Concen: 44.466 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 98 Resp: 400252

Ion	Ratio	Lower	Upper
98	100		
100	66.3	53.3	79.9



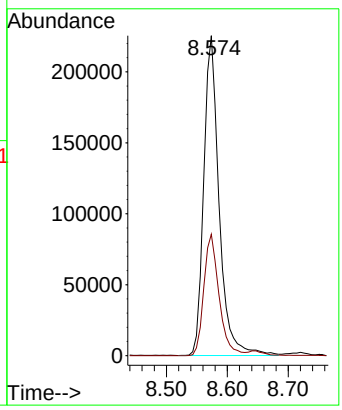


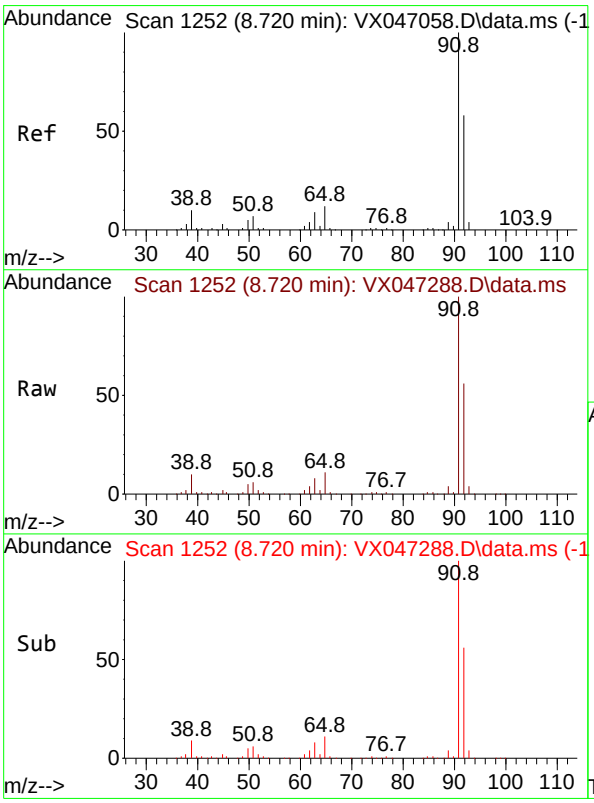
#51
4-Methyl-2-Pentanone
Concen: 97.673 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 43 Resp: 395128

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.6	45.8

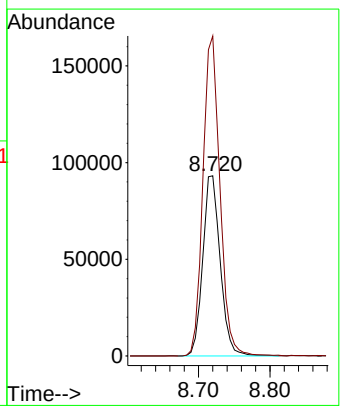


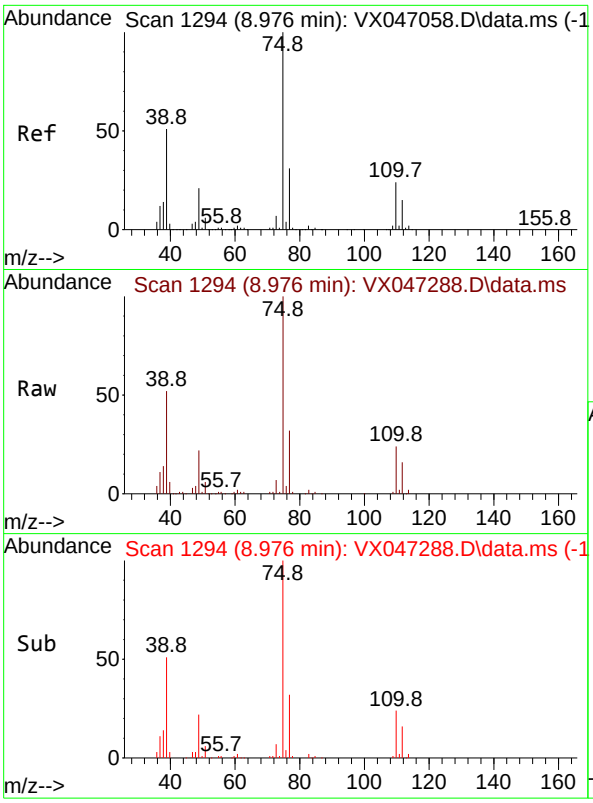


#52
Toluene
Concen: 18.752 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 92 Resp: 158098

Ion	Ratio	Lower	Upper
92	100		
91	172.9	137.9	206.9



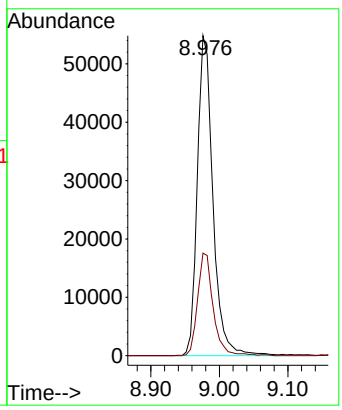


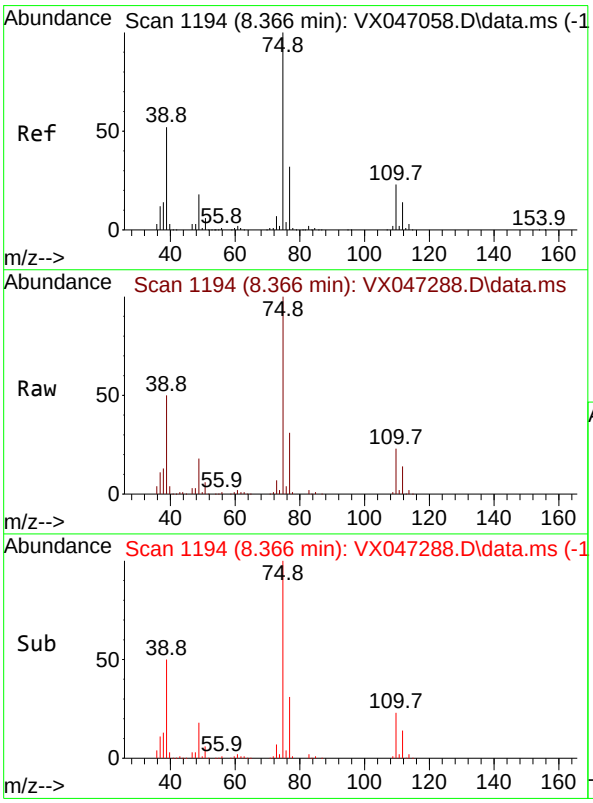
#53
t-1,3-Dichloropropene
Concen: 17.948 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 75 Resp: 86876

Ion	Ratio	Lower	Upper
75	100		
77	32.0	24.5	36.7

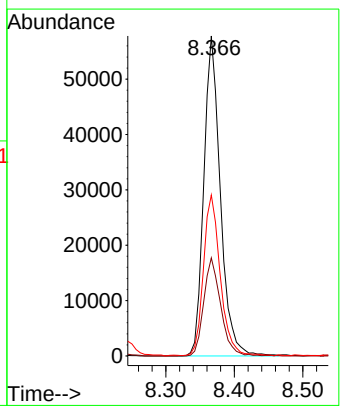


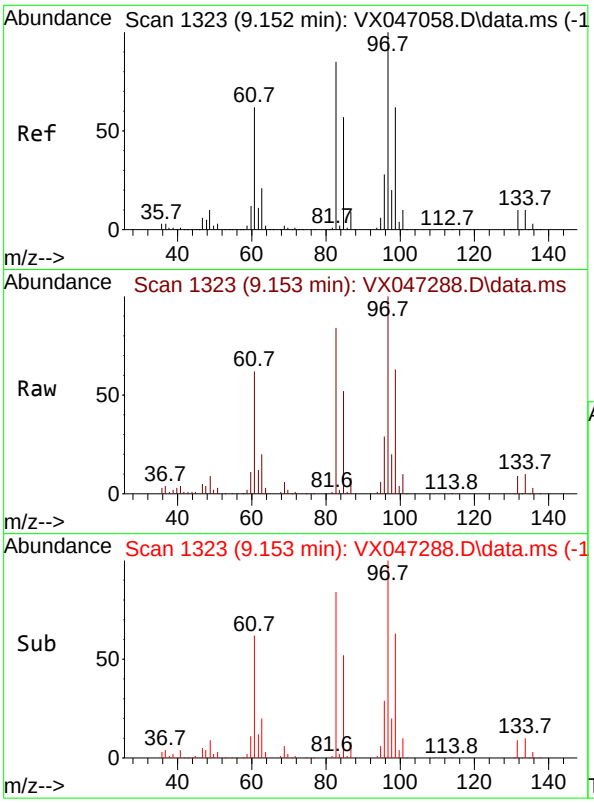


#54
cis-1,3-Dichloropropene
Concen: 18.354 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 75 Resp: 97236

Ion	Ratio	Lower	Upper
75	100		
77	30.7	25.4	38.0
39	50.1	41.8	62.6



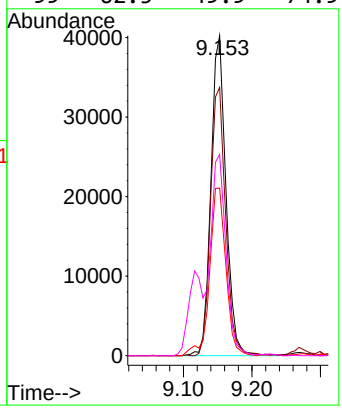


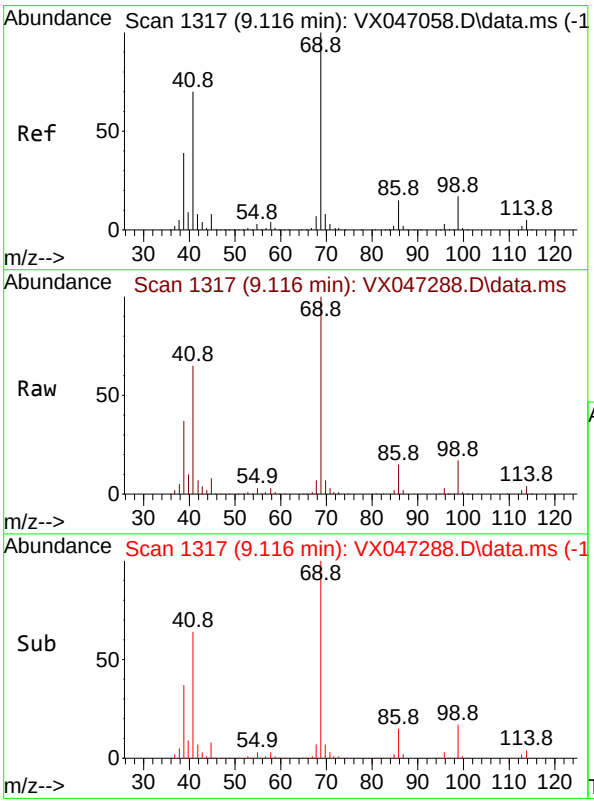
#55
1,1,2-Trichloroethane
Concen: 19.388 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 97 Resp: 61302

Ion	Ratio	Lower	Upper
97	100		
83	85.5	68.0	102.0
85	52.1	45.2	67.8
99	62.5	49.9	74.9

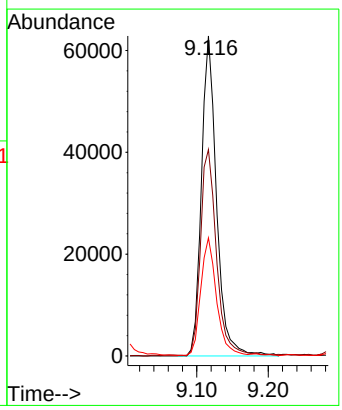


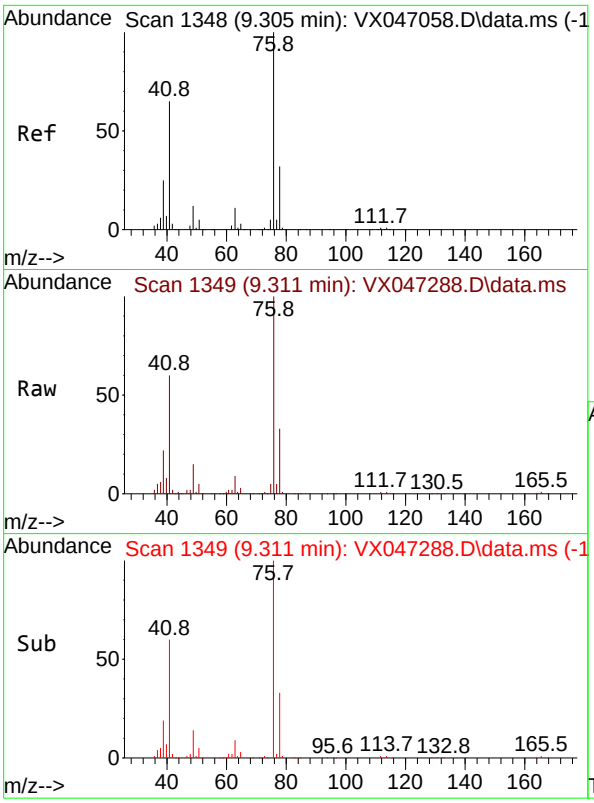


#56
Ethyl methacrylate
Concen: 19.717 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 69 Resp: 92290

Ion	Ratio	Lower	Upper
69	100		
41	67.8	56.1	84.1
39	38.0	31.1	46.7



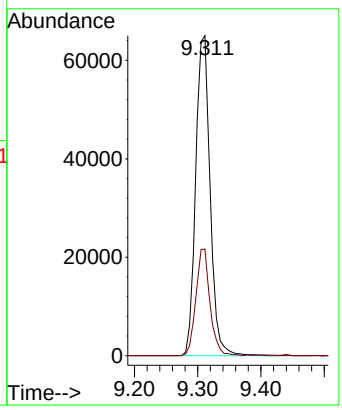


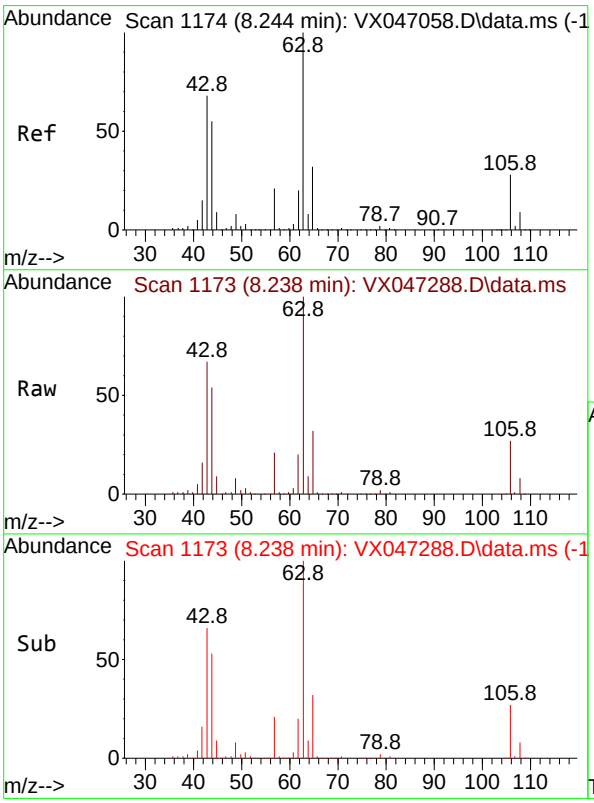
#57
1,3-Dichloropropane
Concen: 18.828 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 76 Resp: 103459

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

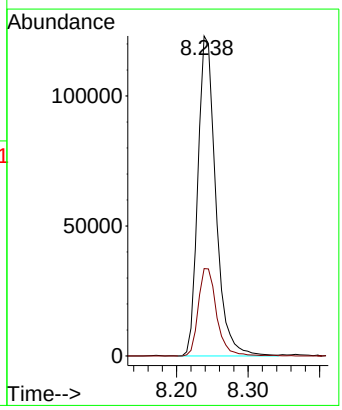


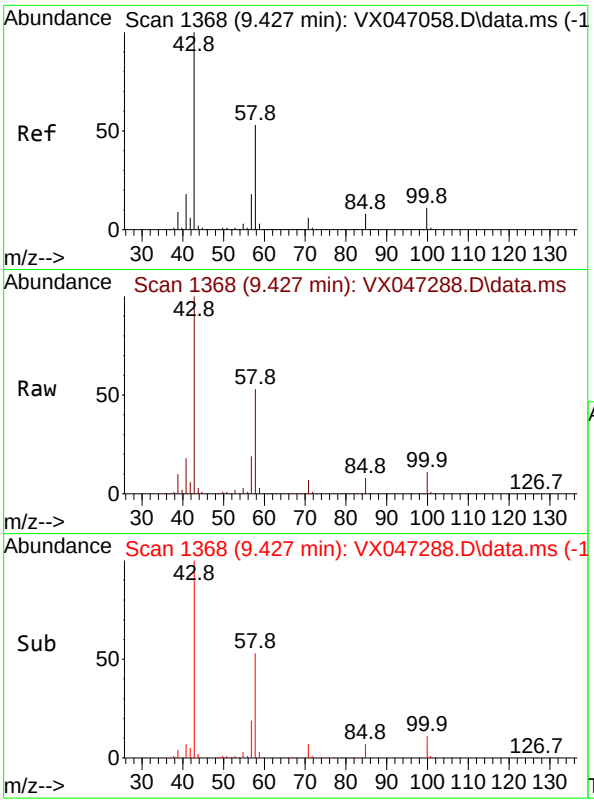


#58
2-Chloroethyl Vinyl ether
Concen: 82.055 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 63 Resp: 213726

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.2	33.4



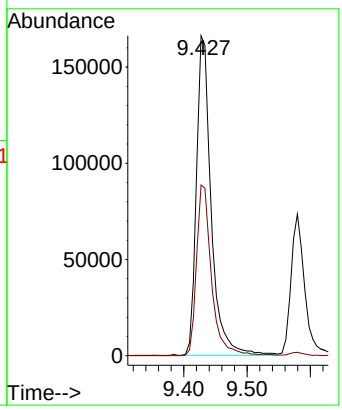


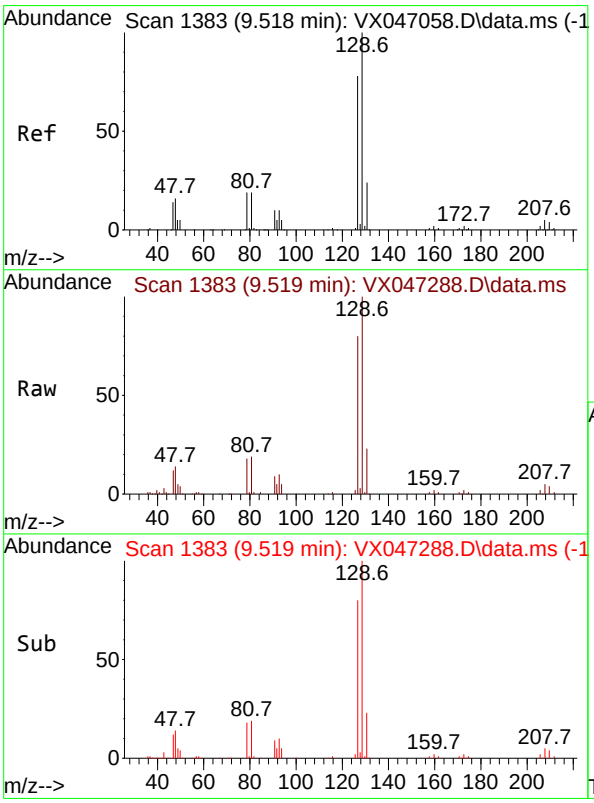
#59
2-Hexanone
Concen: 101.199 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 43 Resp: 270477

Ion	Ratio	Lower	Upper
43	100		
58	54.0	26.5	79.5

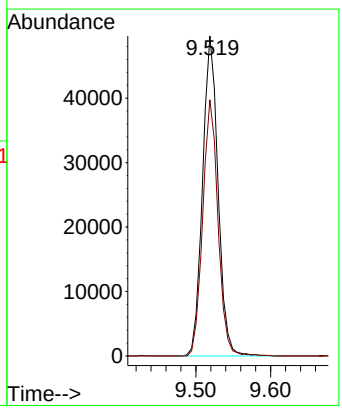


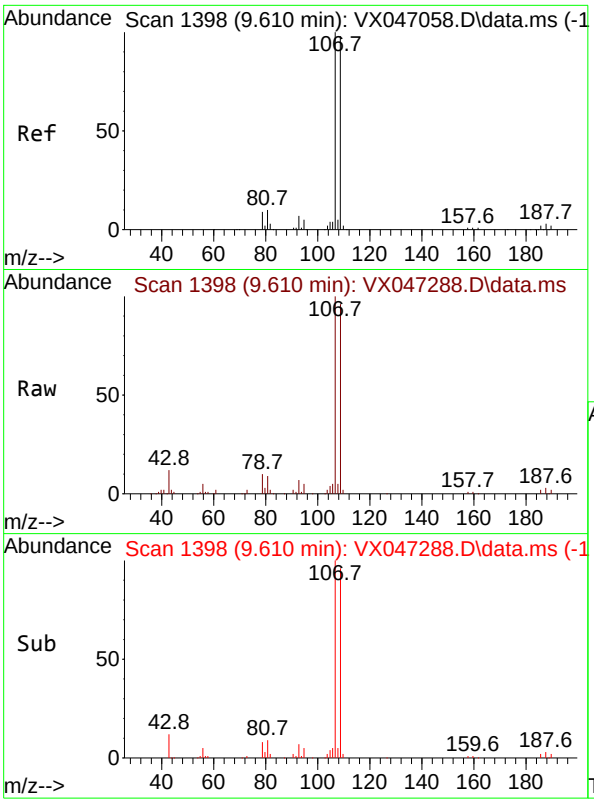


#60
Dibromochloromethane
Concen: 19.238 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:129 Resp: 71339

Ion	Ratio	Lower	Upper
129	100		
127	79.2	38.6	115.8



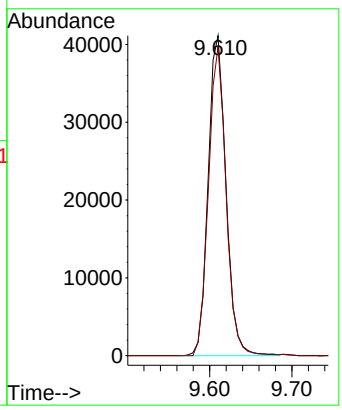


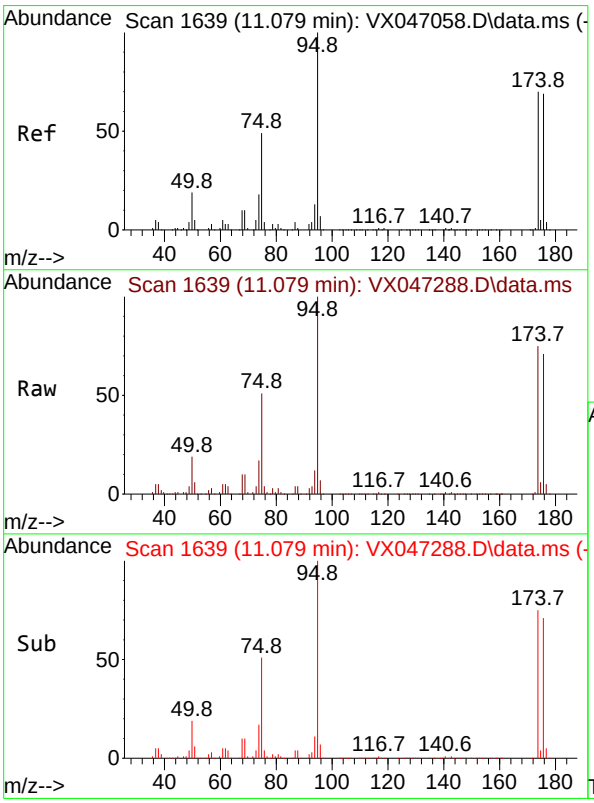
#61
1,2-Dibromoethane
Concen: 18.738 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:107 Resp: 61948

Ion	Ratio	Lower	Upper
107	100		
109	95.5	74.6	112.0

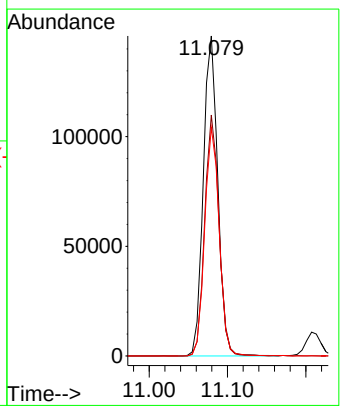


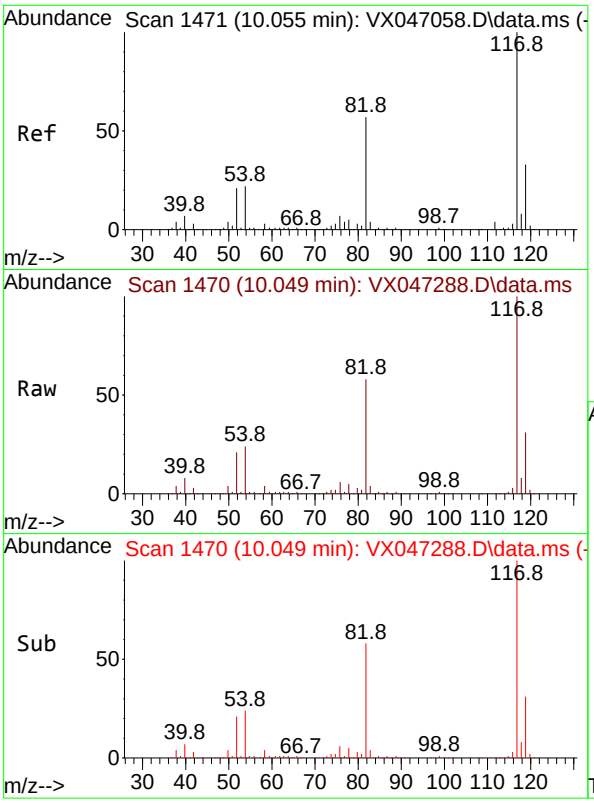


#62
4-Bromofluorobenzene
Concen: 48.168 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 95 Resp: 186845

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	144.6
176	71.4	0.0	139.6



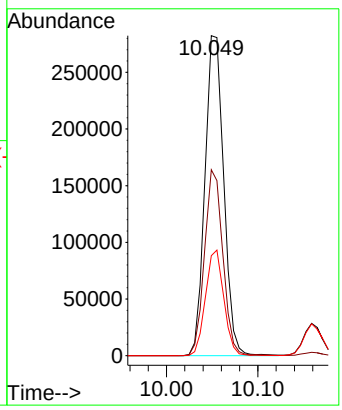


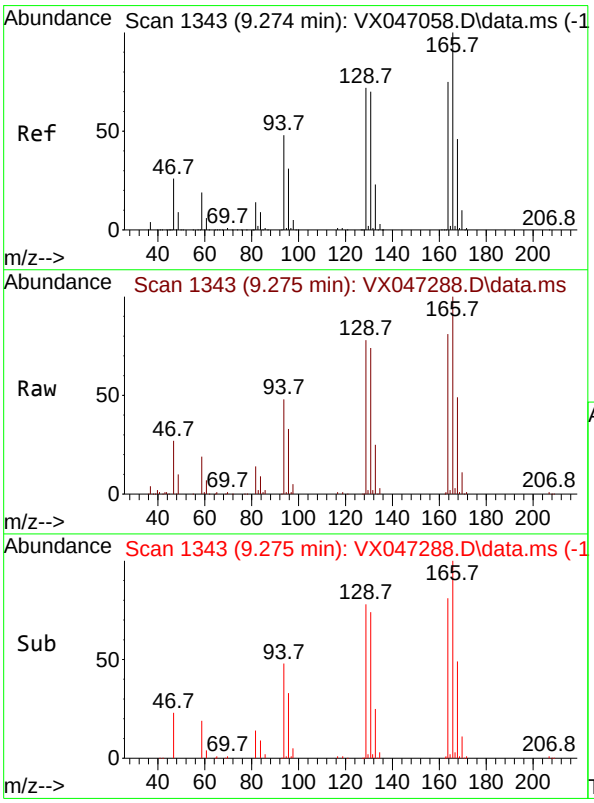
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:117 Resp: 403402

Ion	Ratio	Lower	Upper
117	100		
82	58.1	45.4	68.2
119	31.2	26.1	39.1

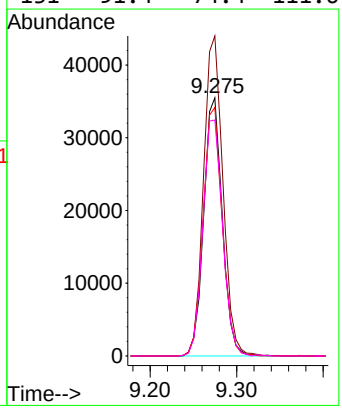


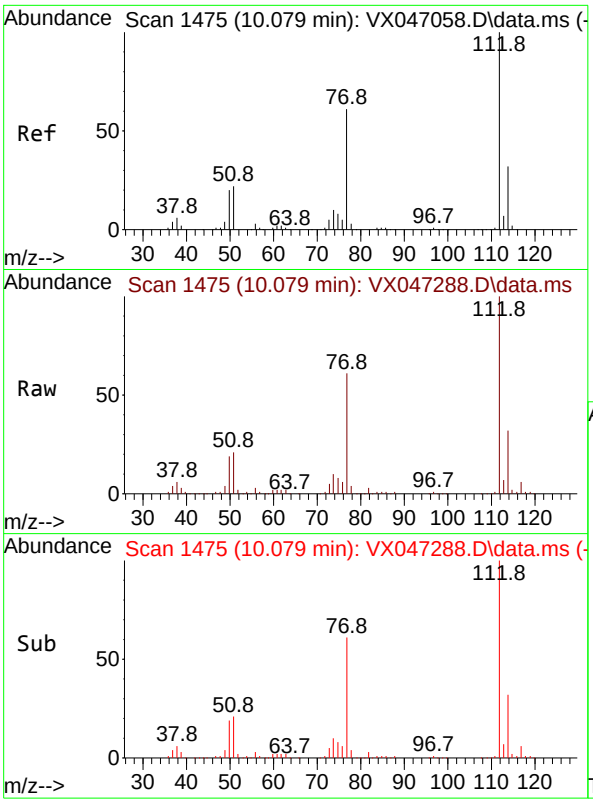


#64
Tetrachloroethene
Concen: 18.190 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:164 Resp: 52898

Ion	Ratio	Lower	Upper
164	100		
166	124.0	106.2	159.4
129	96.2	76.6	114.8
131	91.4	74.4	111.6



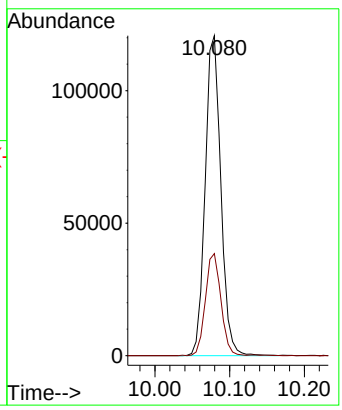


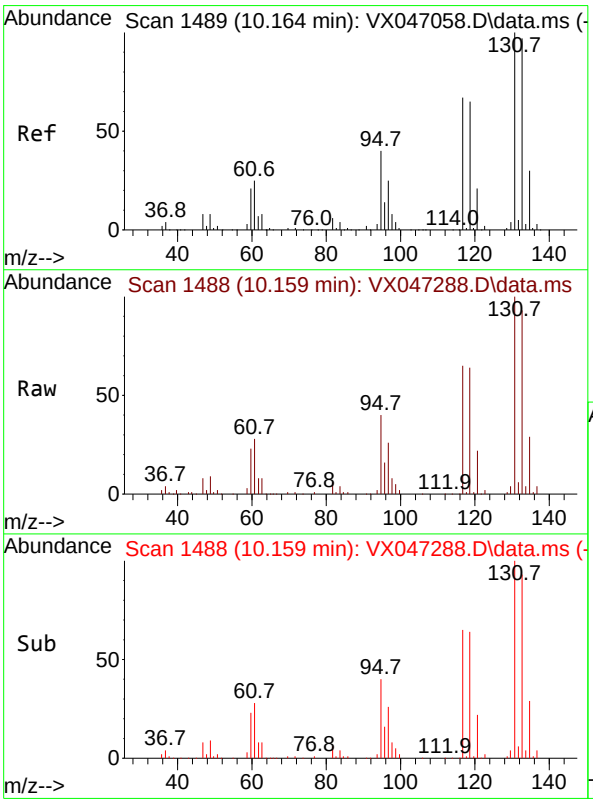
#65
Chlorobenzene
Concen: 18.556 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:112 Resp: 175362

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6

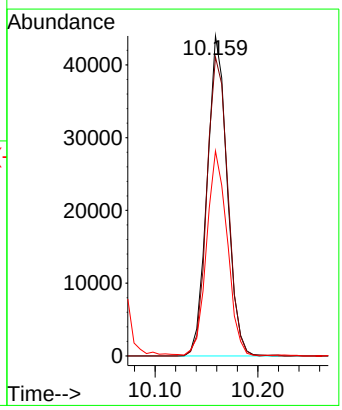


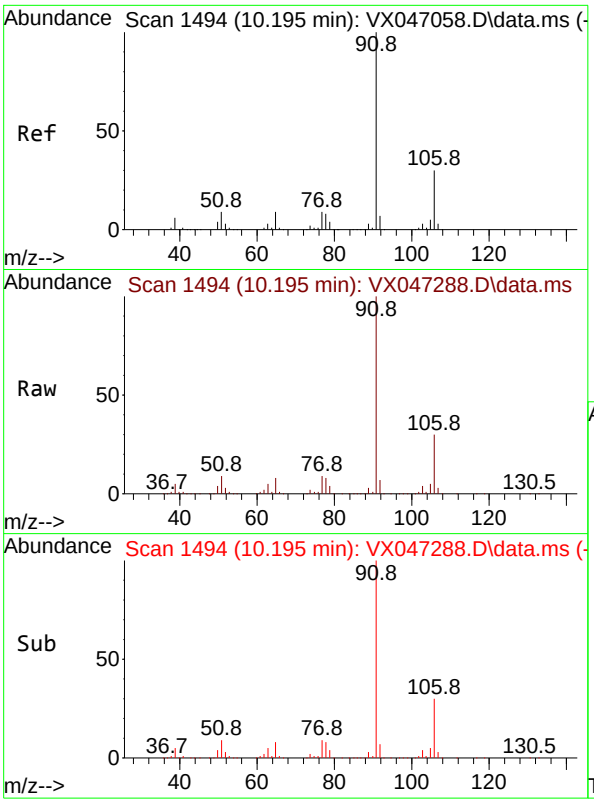


#66
1,1,1,2-Tetrachloroethane
Concen: 18.759 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:131 Resp: 59685

Ion	Ratio	Lower	Upper
131	100		
133	96.9	48.4	145.3
119	65.5	32.4	97.0



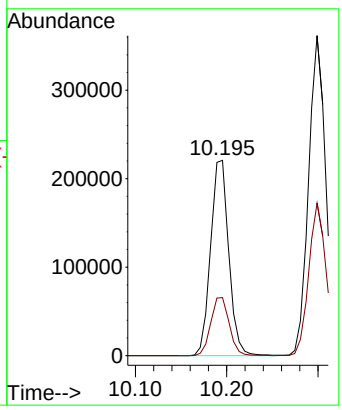


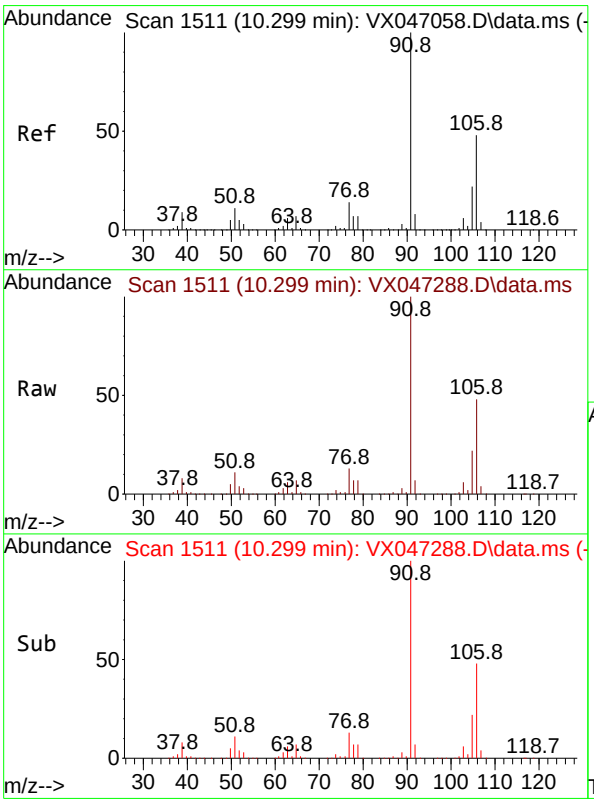
#67
Ethyl Benzene
Concen: 18.456 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 91 Resp: 304960

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.2	36.4

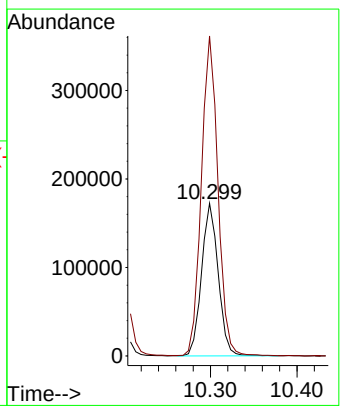


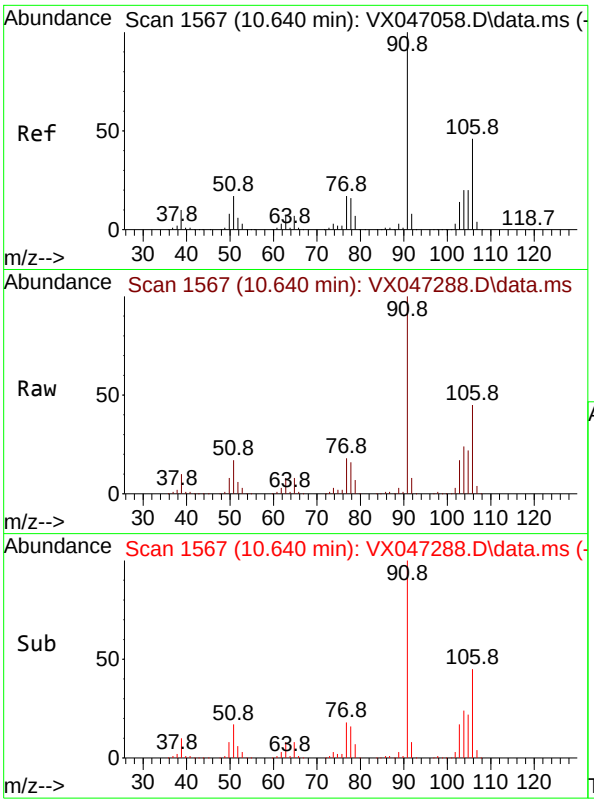


#68
m/p-Xylenes
Concen: 37.187 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:106 Resp: 229943

Ion	Ratio	Lower	Upper
106	100		
91	208.5	167.4	251.0



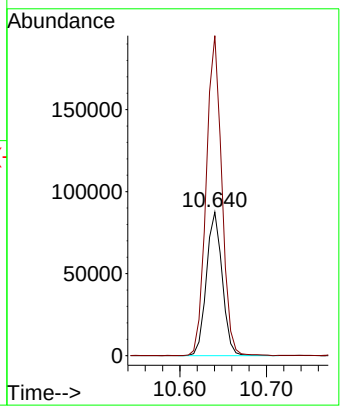


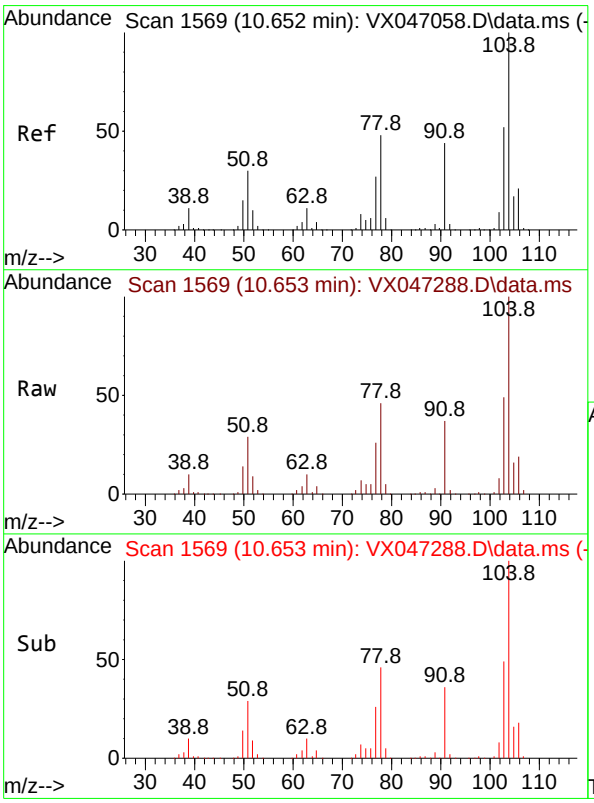
#69
o-Xylene
Concen: 18.849 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:106 Resp: 110879

Ion	Ratio	Lower	Upper
106	100		
91	220.0	110.3	331.0

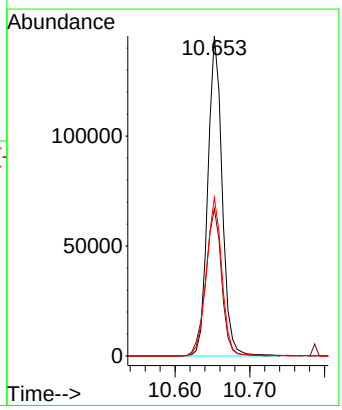


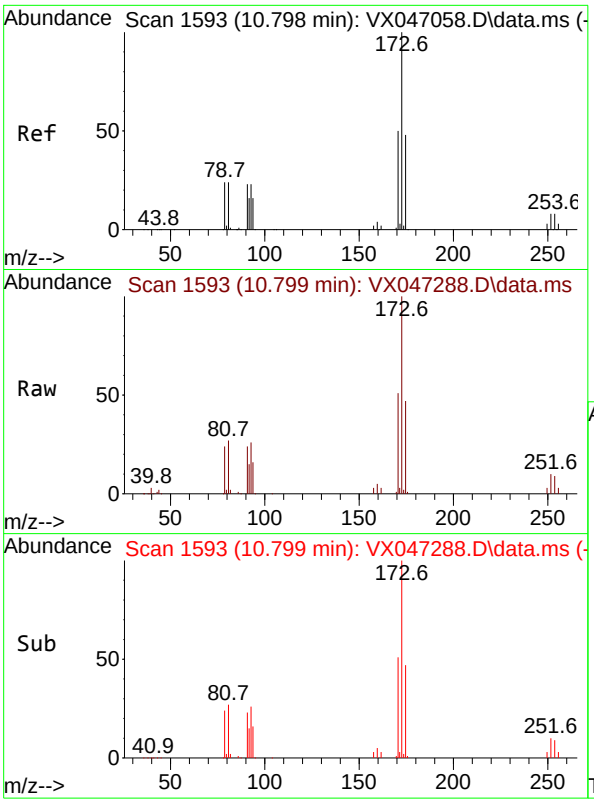


#70
Styrene
Concen: 19.207 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:104 Resp: 193735

Ion	Ratio	Lower	Upper
104	100		
78	51.0	42.0	63.0
103	53.5	43.8	65.6



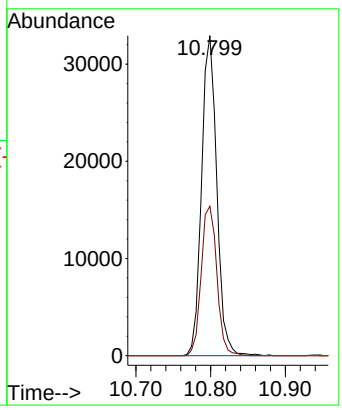


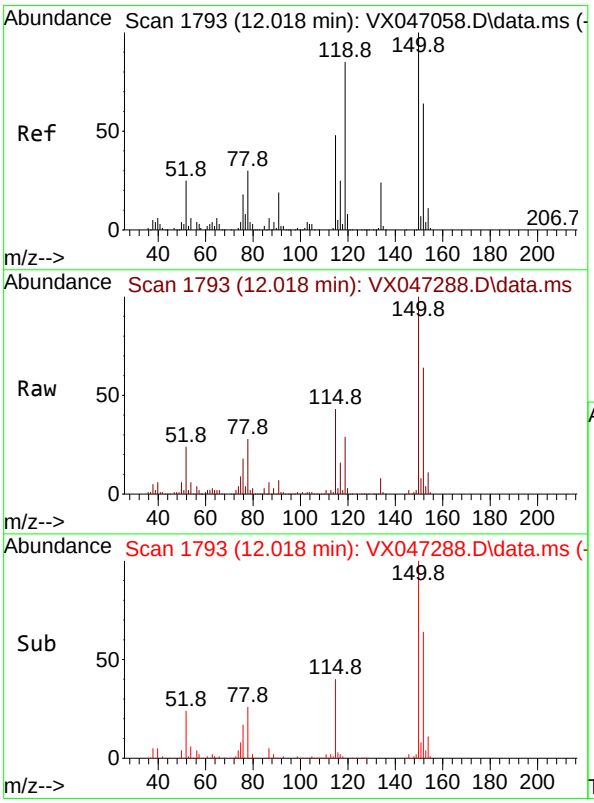
#71
Bromoform
Concen: 19.229 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:173 Resp: 46474

Ion	Ratio	Lower	Upper
173	100		
175	48.1	24.2	72.6
254	0.0	0.1	0.1#

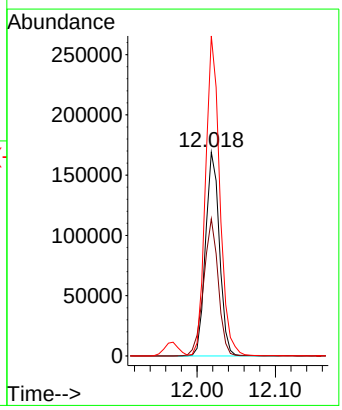


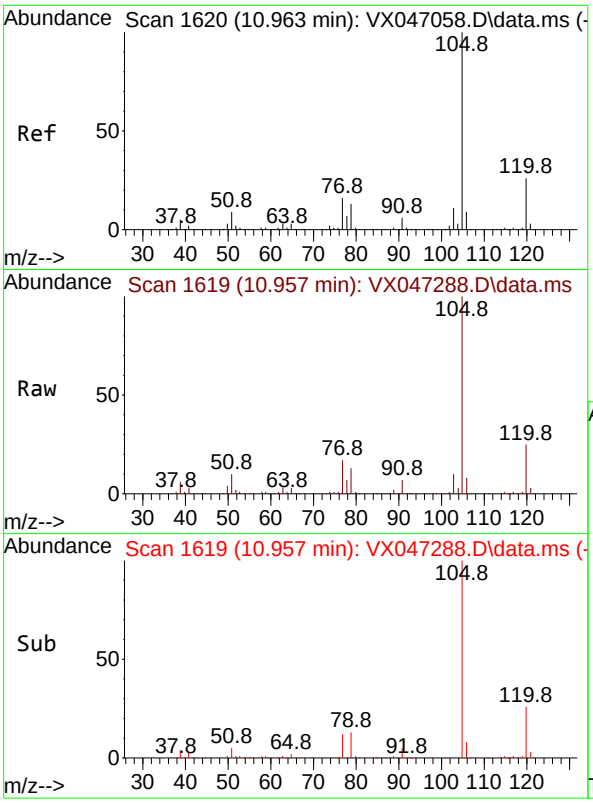


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:152 Resp: 207271

Ion	Ratio	Lower	Upper
152	100		
115	71.1	45.6	136.7
150	161.1	0.0	354.6



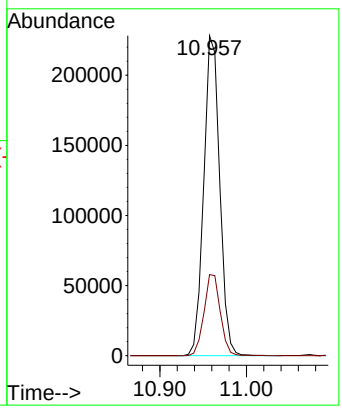


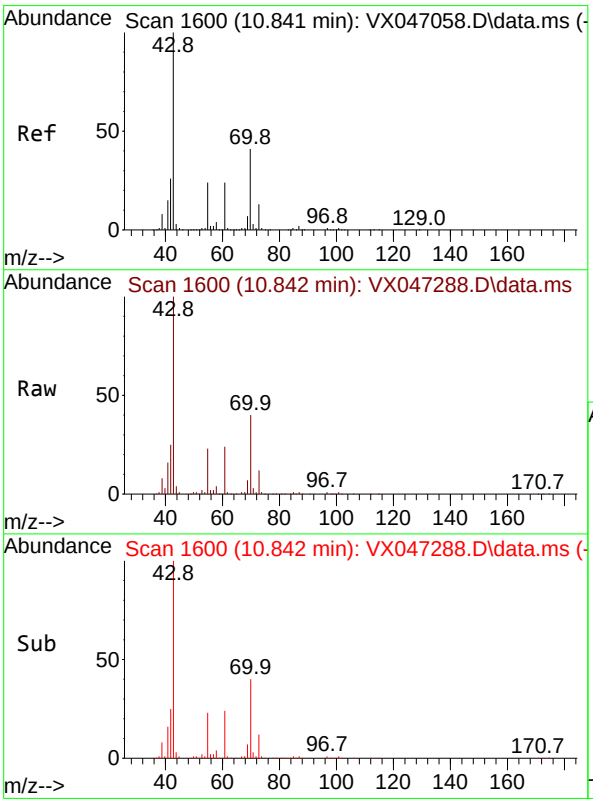
#73
Isopropylbenzene
Concen: 17.859 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:105 Resp: 292039

Ion	Ratio	Lower	Upper
105	100		
120	25.9	12.9	38.7

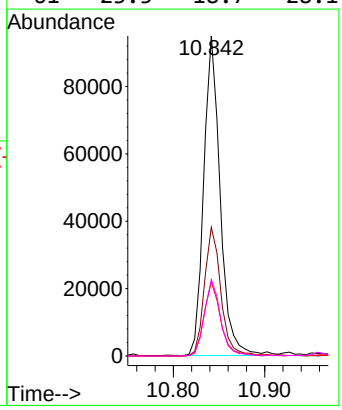


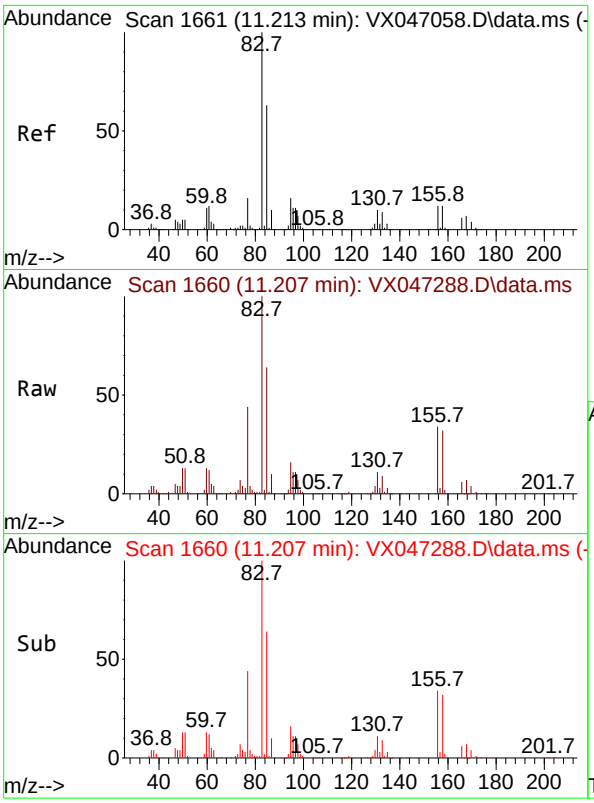


#74
N-amyl acetate
Concen: 17.938 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 43 Resp: 118356

Ion	Ratio	Lower	Upper
43	100		
70	40.4	32.3	48.5
55	23.7	18.9	28.3
61	23.5	18.7	28.1



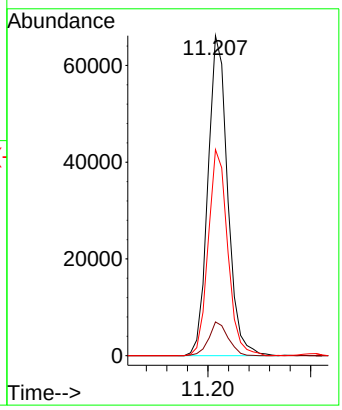


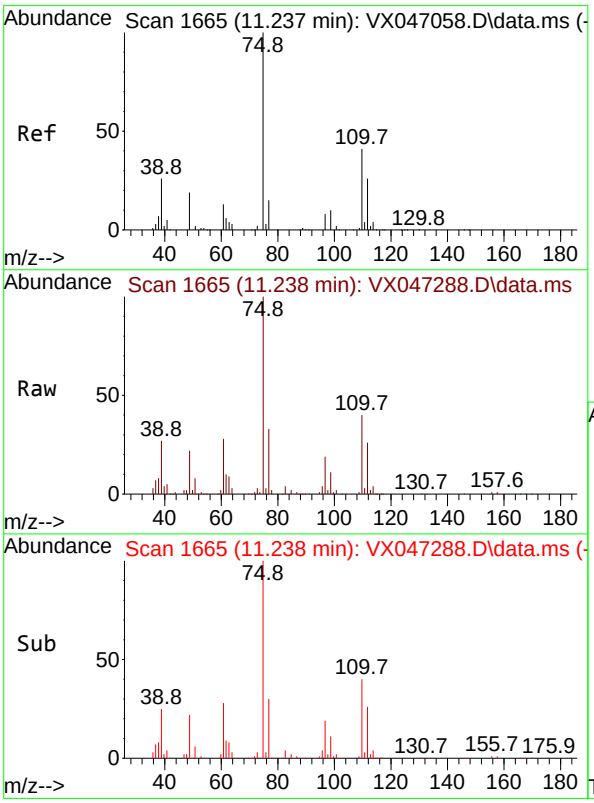
#75
1,1,2,2-Tetrachloroethane
Concen: 18.801 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 83 Resp: 87818

Ion	Ratio	Lower	Upper
83	100		
131	10.4	5.0	14.9
85	63.7	32.0	96.2

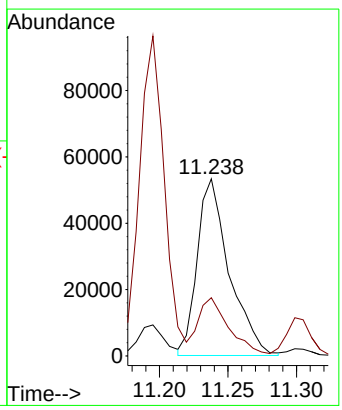


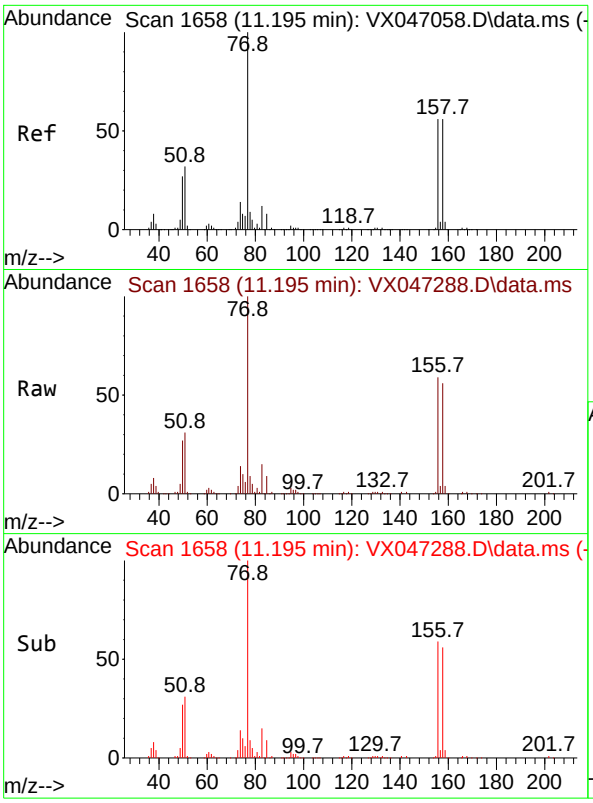


#76
1,2,3-Trichloropropane
Concen: 22.607 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 75 Resp: 86731

Ion	Ratio	Lower	Upper
75	100		
77	31.9	21.6	65.0



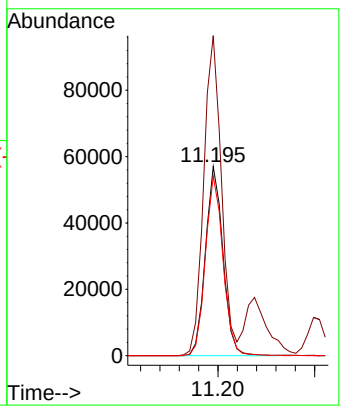


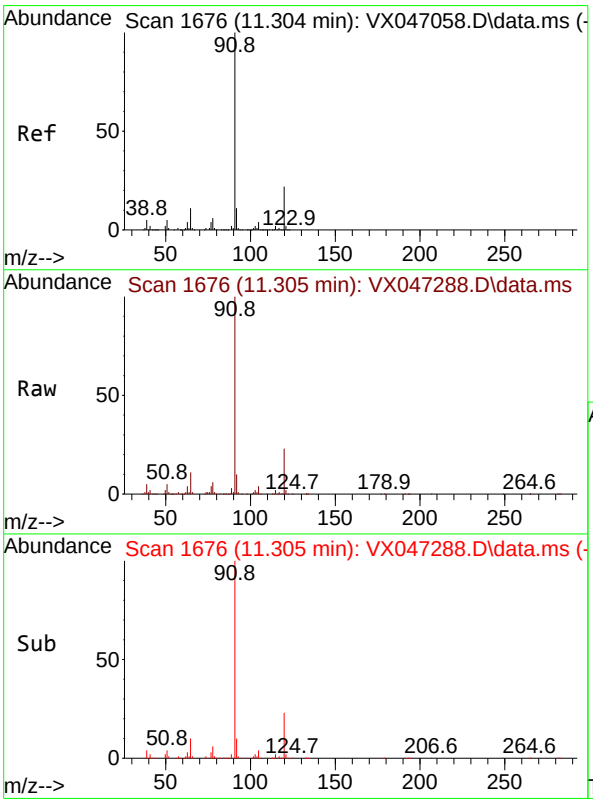
#77
Bromobenzene
Concen: 18.322 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:156 Resp: 71864

Ion	Ratio	Lower	Upper
156	100		
77	170.7	87.3	261.9
158	95.4	48.9	146.6

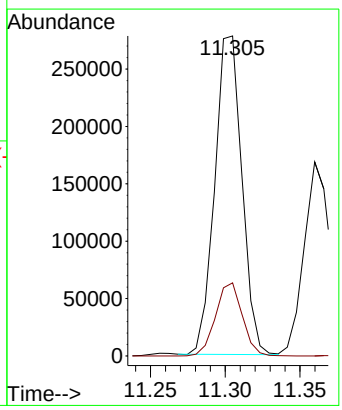


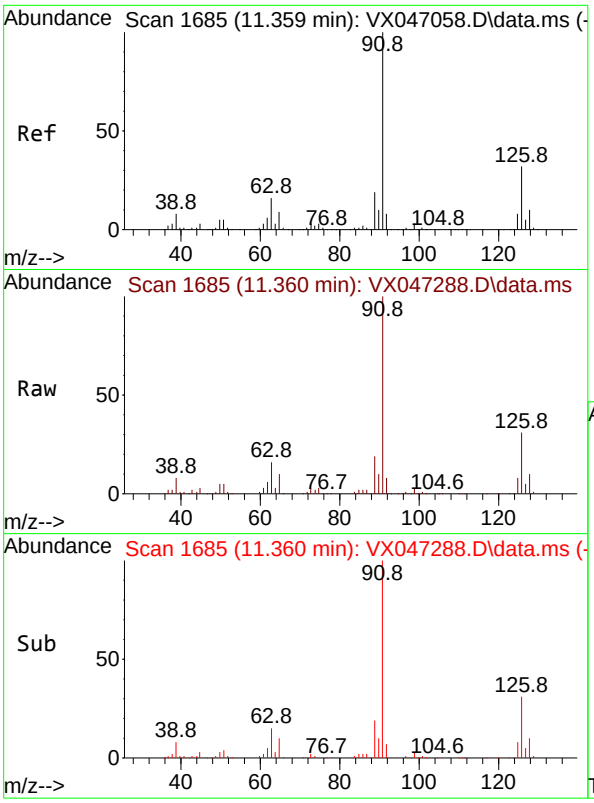


#78
n-propylbenzene
Concen: 17.953 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 91 Resp: 350815

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0



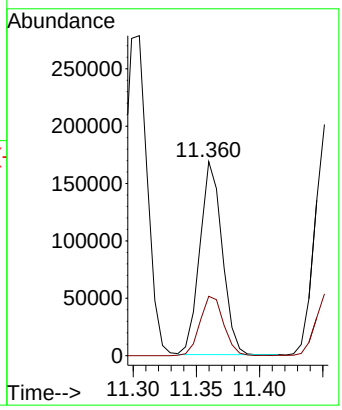


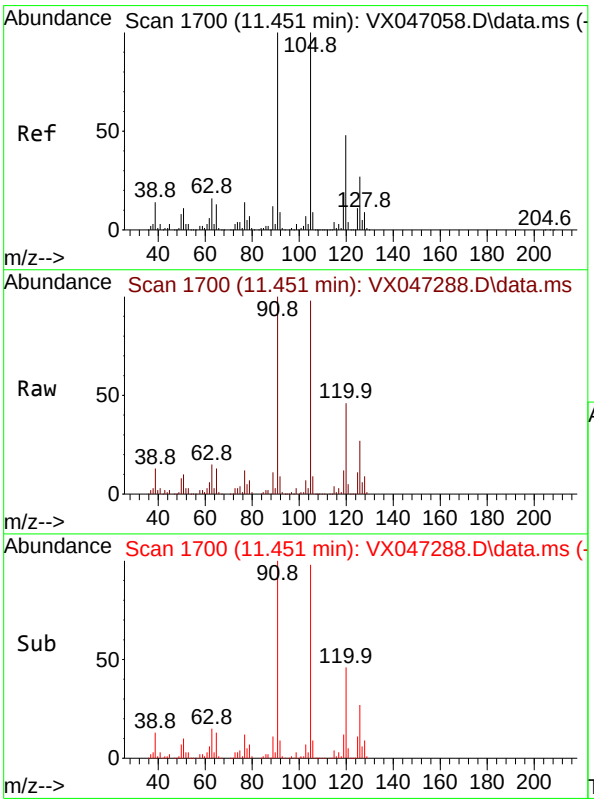
#79
2-Chlorotoluene
Concen: 17.740 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 91 Resp: 207220

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

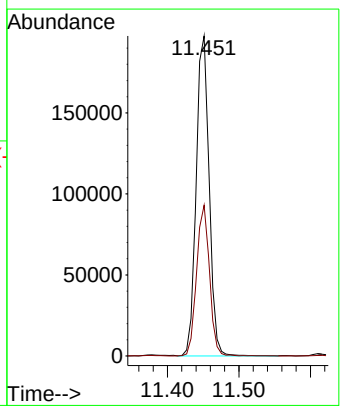


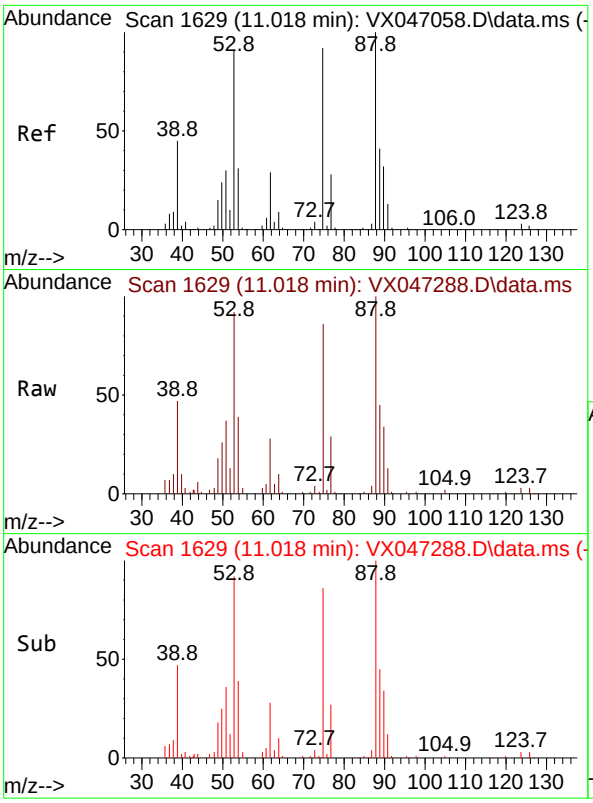


#80
1,3,5-Trimethylbenzene
Concen: 18.334 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:105 Resp: 247687

Ion	Ratio	Lower	Upper
105	100		
120	47.0	23.8	71.5



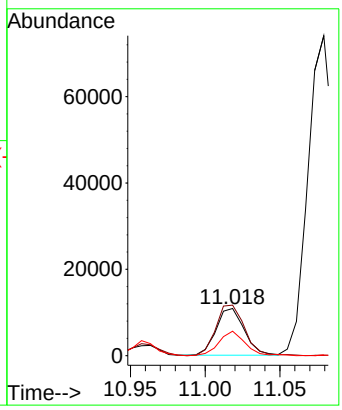


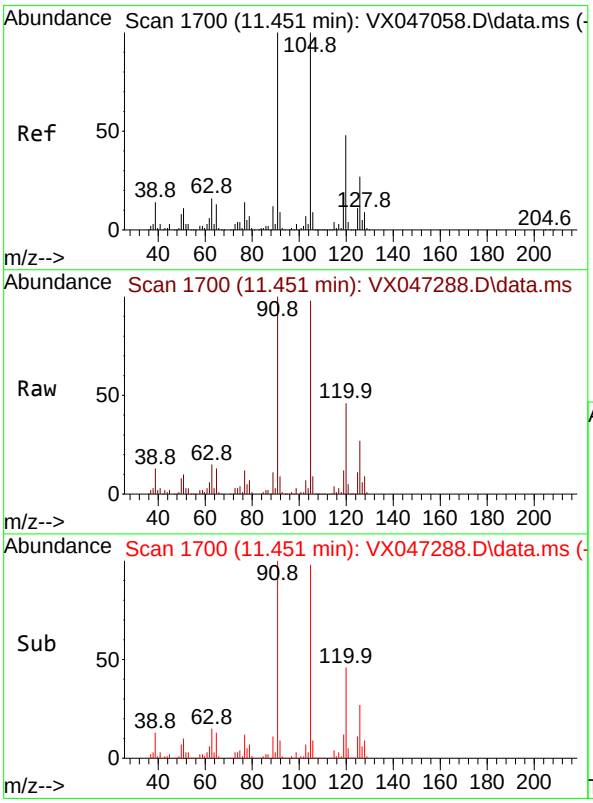
#81
trans-1,4-Dichloro-2-butene
Concen: 9.556 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 75 Resp: 14230

Ion	Ratio	Lower	Upper
75	100		
53	111.1	84.2	126.4
89	49.1	36.0	54.0

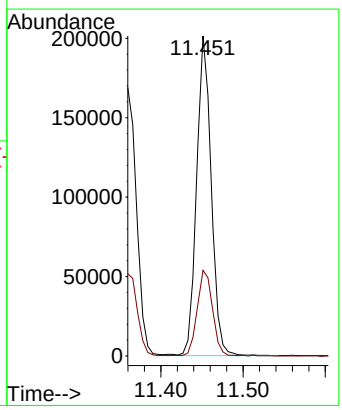


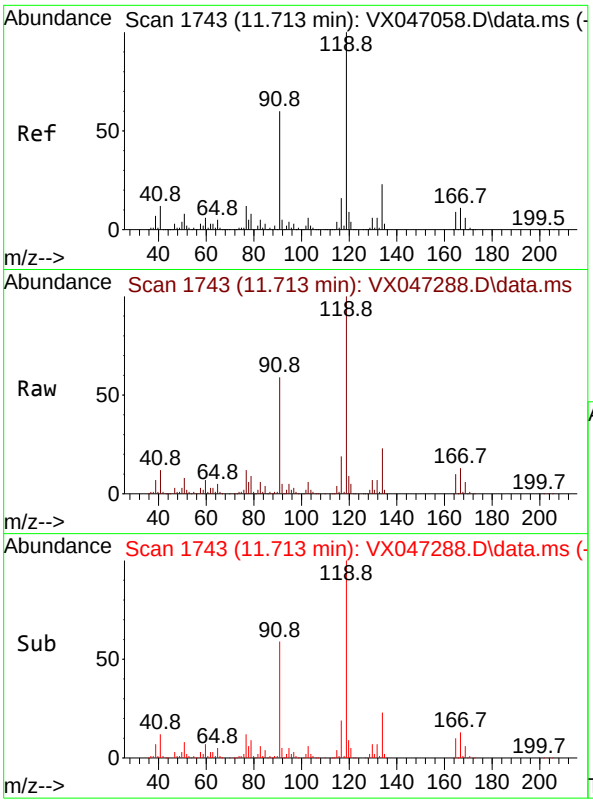


#82
4-Chlorotoluene
Concen: 18.162 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 91 Resp: 247627

Ion	Ratio	Lower	Upper
91	100		
126	28.2	14.1	42.3



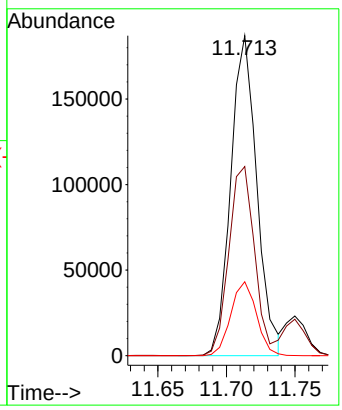


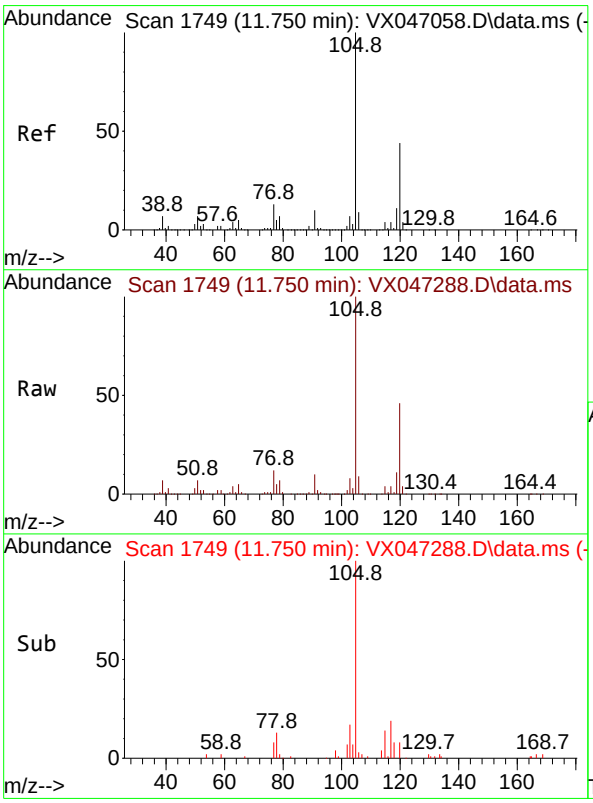
#83
tert-Butylbenzene
Concen: 18.237 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:119 Resp: 247287

Ion	Ratio	Lower	Upper
119	100		
91	57.9	29.6	88.8
134	22.8	11.4	34.1

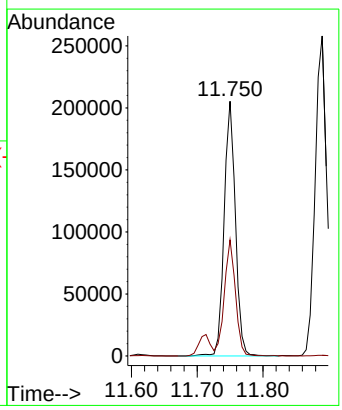


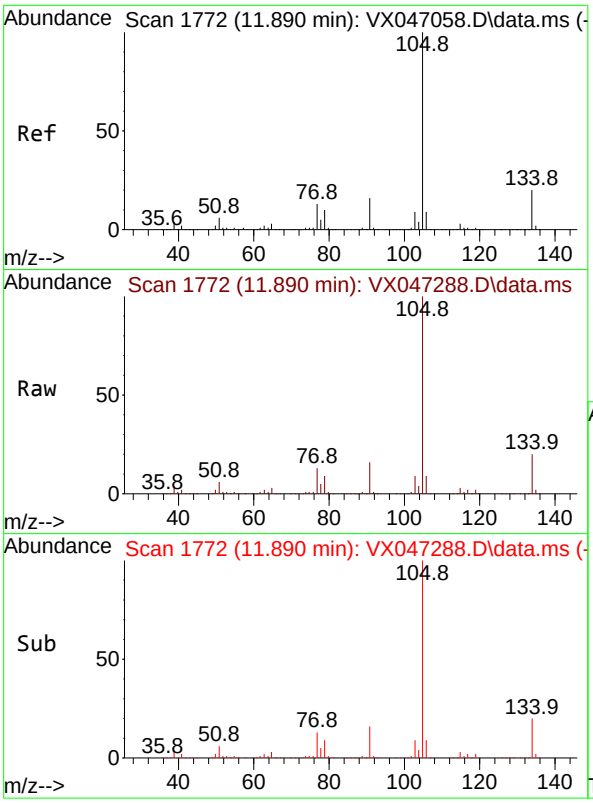


#84
1,2,4-Trimethylbenzene
Concen: 18.178 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:105 Resp: 244944

Ion	Ratio	Lower	Upper
105	100		
120	45.2	22.0	66.0



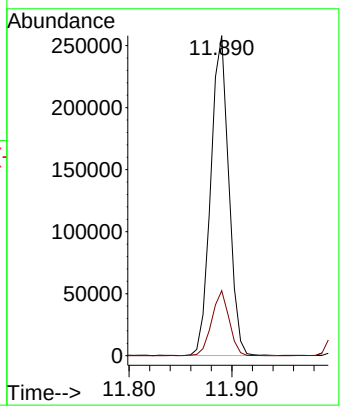


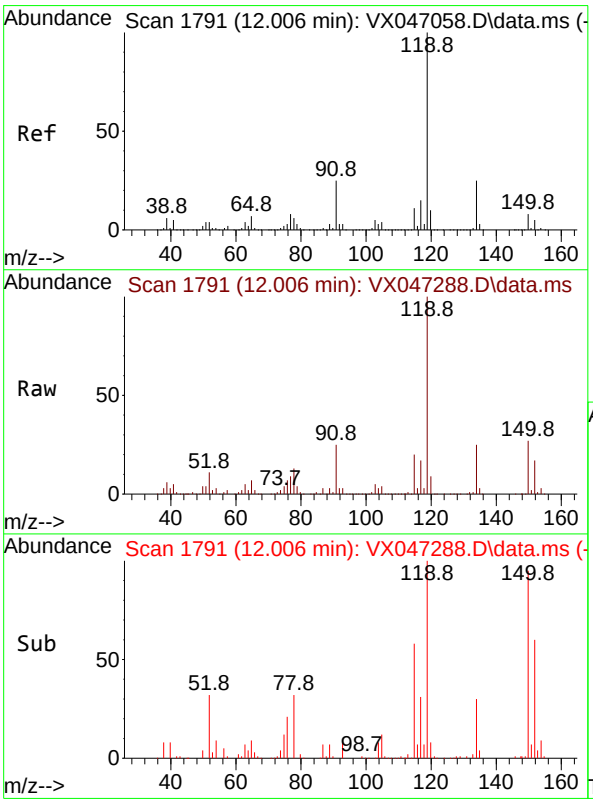
#85
sec-Butylbenzene
Concen: 18.501 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:105 Resp: 313440

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.9	29.7

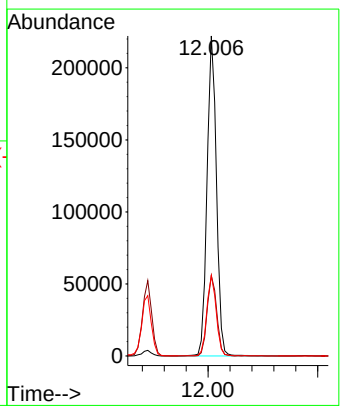


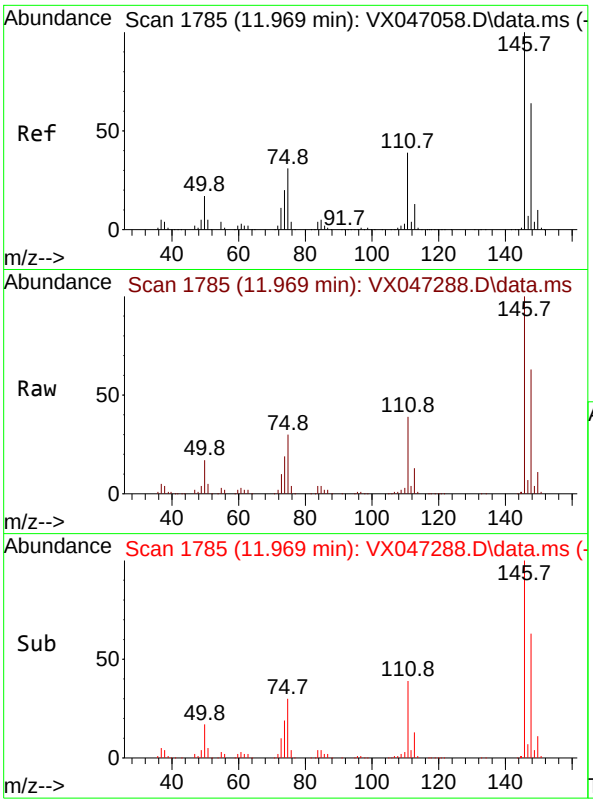


#86
p-Isopropyltoluene
Concen: 18.674 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:119 Resp: 262367

Ion	Ratio	Lower	Upper
119	100		
134	25.7	12.8	38.4
91	25.1	12.4	37.4



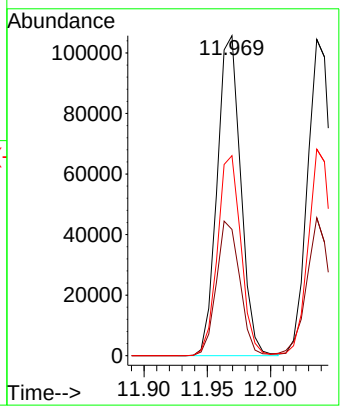


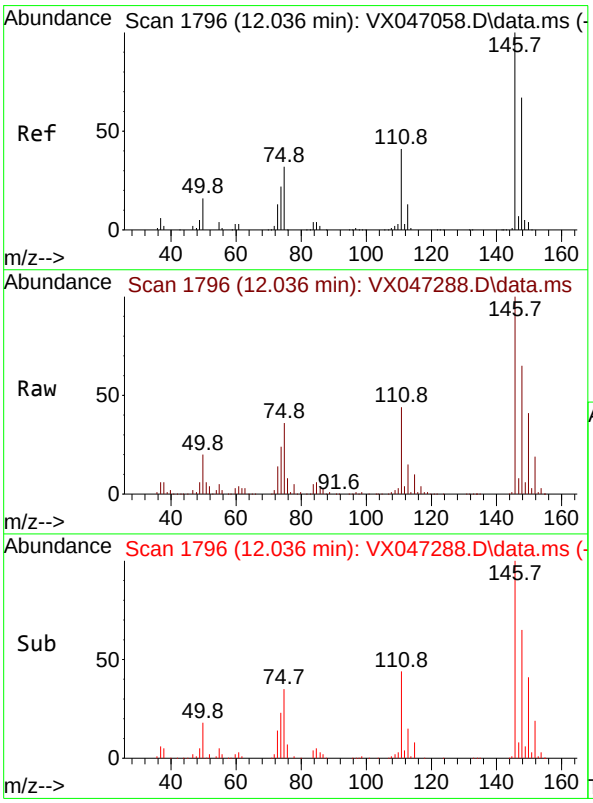
#87
1,3-Dichlorobenzene
Concen: 18.368 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:146 Resp: 136883

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.0	63.0
148	62.3	32.0	96.0

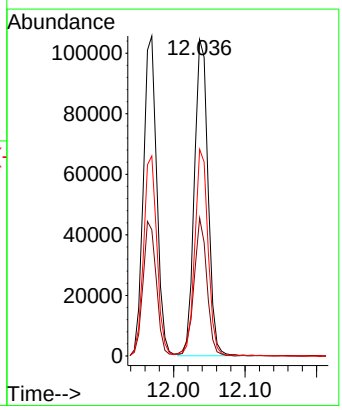


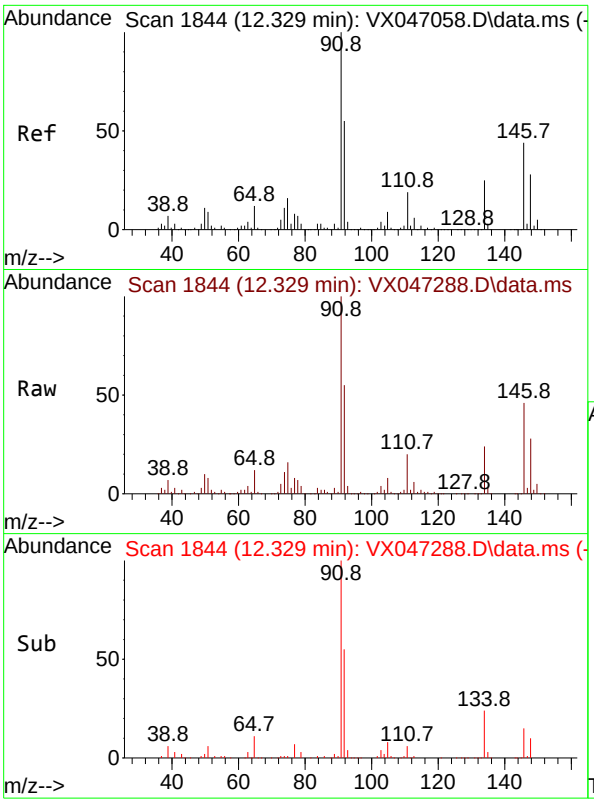


#88
1,4-Dichlorobenzene
Concen: 18.332 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:146 Resp: 138415

Ion	Ratio	Lower	Upper
146	100		
111	41.7	20.6	61.9
148	63.3	33.0	98.9



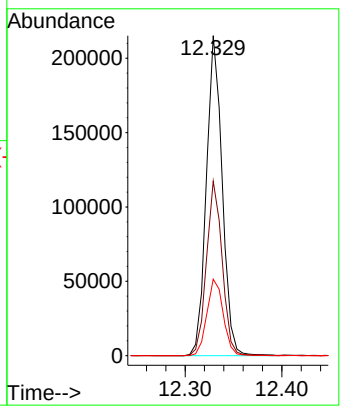


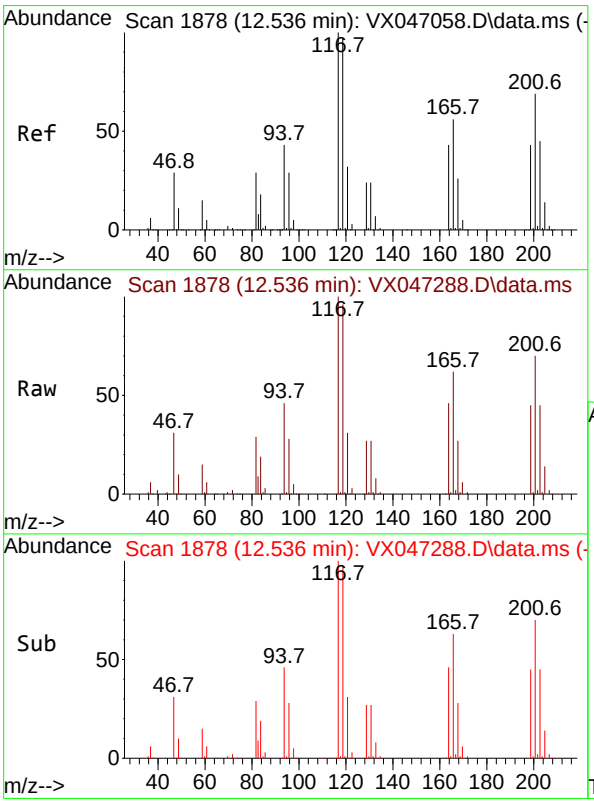
#89
n-Butylbenzene
Concen: 18.620 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion: 91 Resp: 245333

Ion	Ratio	Lower	Upper
91	100		
92	54.4	27.5	82.5
134	24.8	12.8	38.3

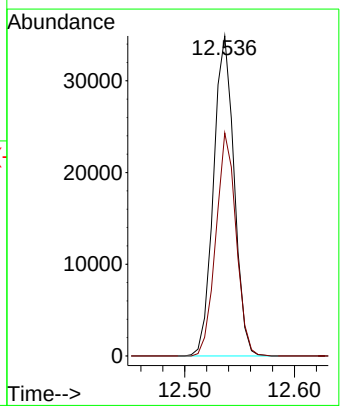


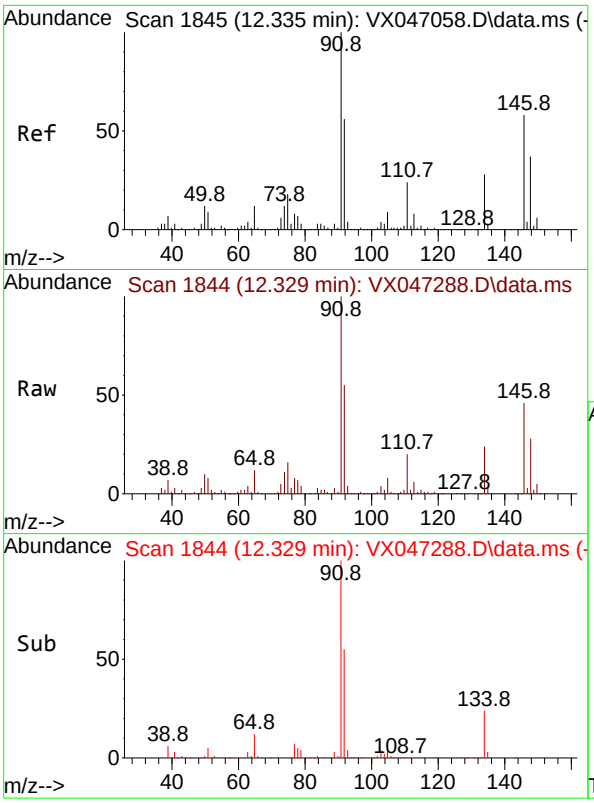


#90
Hexachloroethane
Concen: 18.151 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:117 Resp: 45620

Ion	Ratio	Lower	Upper
117	100		
201	68.4	34.8	104.5



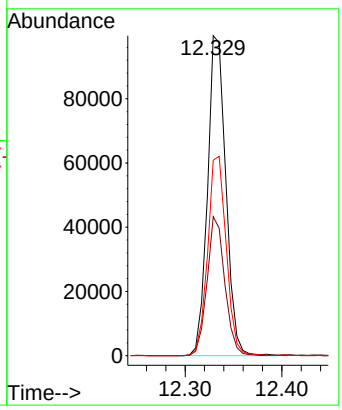


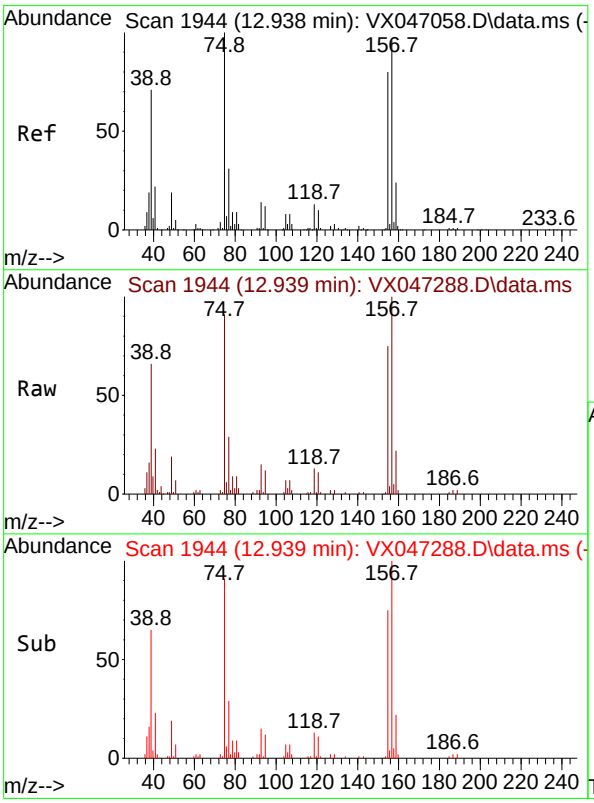
#91
1,2-Dichlorobenzene
Concen: 18.424 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:146 Resp: 131227

Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.6	64.6
148	63.3	31.9	95.7

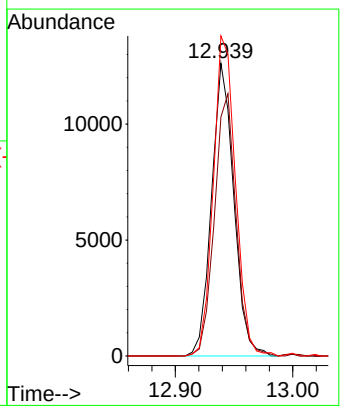


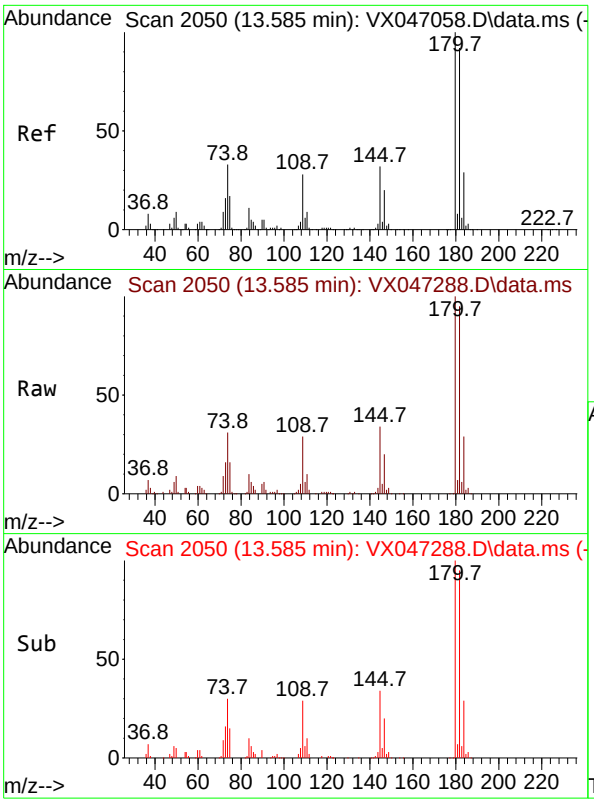


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.519 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion: 75 Resp: 16604

Ion	Ratio	Lower	Upper
75	100		
155	87.3	41.3	124.1
157	109.2	52.8	158.3



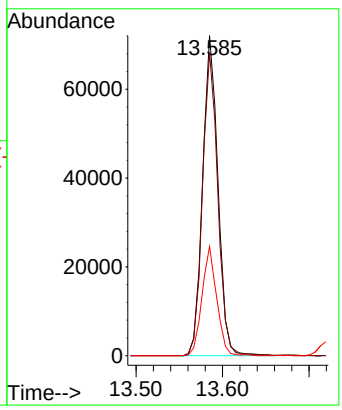


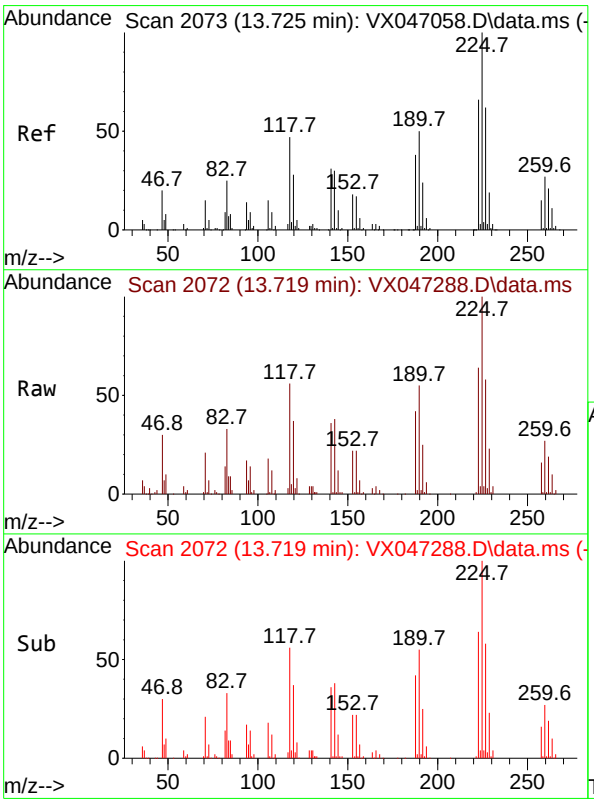
#93
1,2,4-Trichlorobenzene
Concen: 18.808 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:180 Resp: 88508

Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.3	141.8
145	32.8	16.4	49.1

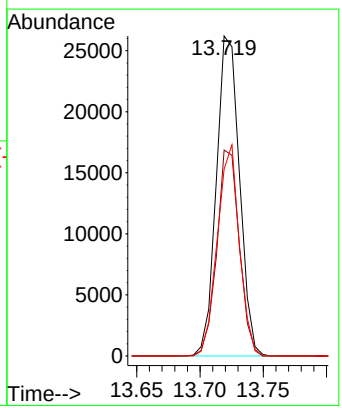


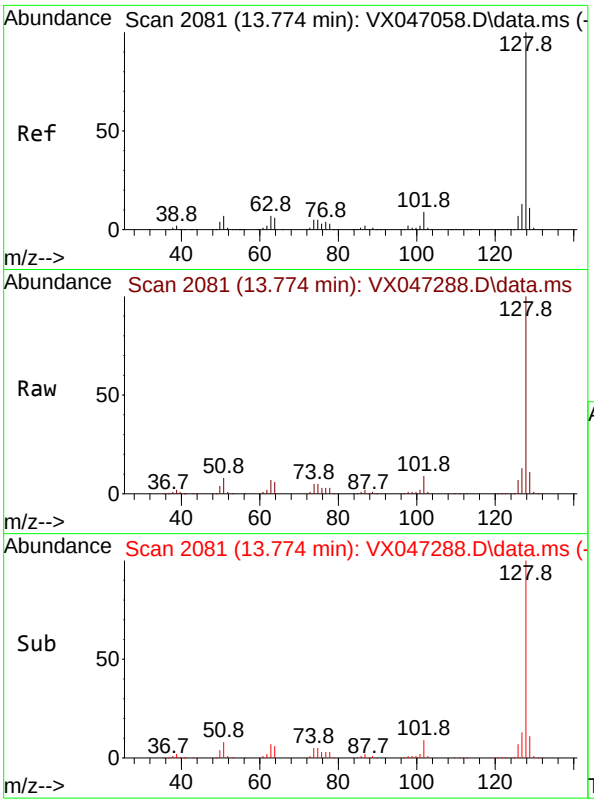


#94
Hexachlorobutadiene
Concen: 20.797 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:225 Resp: 33284

Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.6	95.0
227	62.6	32.9	98.6



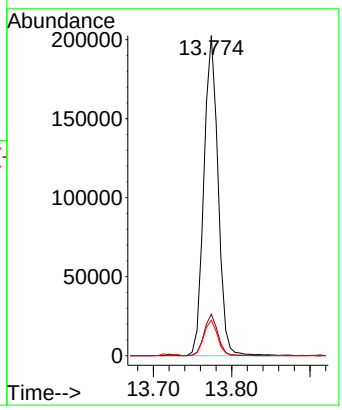


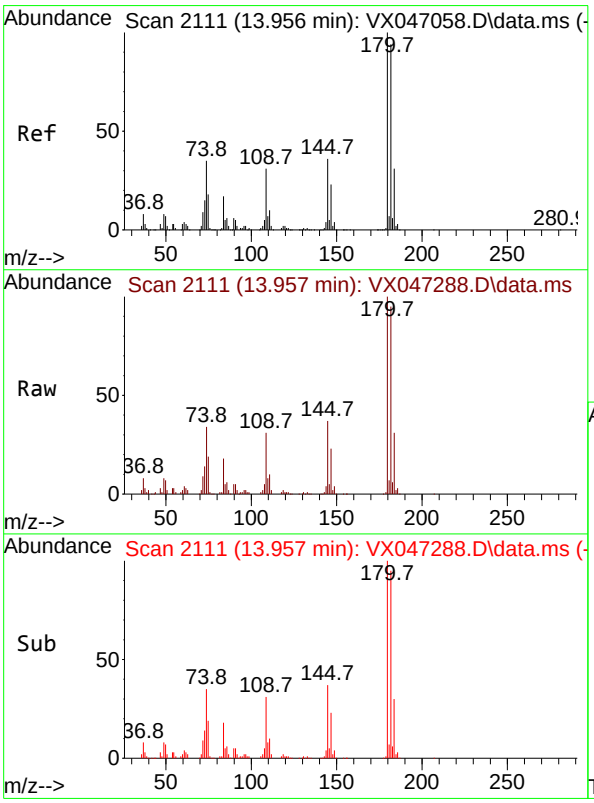
#95
Naphthalene
Concen: 18.431 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBS01

Tgt Ion:128 Resp: 254276

Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	10.9	8.6	13.0

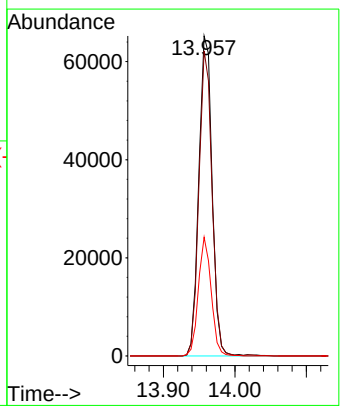




#96
1,2,3-Trichlorobenzene
Concen: 18.580 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047288.D
Acq: 12 Aug 2025 11:52

Tgt Ion:180 Resp: 84235

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.6
145	35.8	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047292.D
Acq On : 12 Aug 2025 13:26
Operator : JC/MD
Sample : VX0812WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Quant Time: Aug 13 01:19:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	231626	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	397164	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	359769	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	187721	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	141091	48.899	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117			Recovery = 97.800%		
35) Dibromofluoromethane	5.397	113	125269	51.084	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124			Recovery = 102.160%		
50) Toluene-d8	8.653	98	359955	45.326	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112			Recovery = 90.660%#		
62) 4-Bromofluorobenzene	11.079	95	175522	51.287	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123			Recovery = 102.580%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	62552	20.332	ug/l	99
3) Chloromethane	1.313	50	53699	17.645	ug/l	100
4) Vinyl Chloride	1.392	62	63668	19.462	ug/l	99
5) Bromomethane	1.630	94	32464	18.268	ug/l	97
6) Chloroethane	1.709	64	37913	17.645	ug/l	99
7) Trichlorofluoromethane	1.904	101	94713	19.416	ug/l	99
8) Diethyl Ether	2.148	74	32633	18.973	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	56402	19.191	ug/l	99
10) Methyl Iodide	2.471	142	79582	26.569	ug/l	97
11) Tert butyl alcohol	2.965	59	27860	75.416	ug/l	99
12) 1,1-Dichloroethene	2.337	96	55969	19.228	ug/l	99
13) Acrolein	2.252	56	84359	135.786	ug/l	99
14) Allyl chloride	2.678	41	97827	18.592	ug/l	97
15) Acrylonitrile	3.081	53	130953	95.163	ug/l	100
16) Acetone	2.392	43	108955	94.262	ug/l	99
17) Carbon Disulfide	2.532	76	154841	18.387	ug/l	98
18) Methyl Acetate	2.721	43	61396	19.988	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	172690	19.493	ug/l	100
20) Methylene Chloride	2.806	84	61975	19.490	ug/l	99
21) trans-1,2-Dichloroethene	3.111	96	57865	19.426	ug/l	97
22) Diisopropyl ether	3.776	45	196635	19.437	ug/l	96
23) Vinyl Acetate	3.739	43	800347	98.638	ug/l	99
24) 1,1-Dichloroethane	3.629	63	108954	19.368	ug/l	99
25) 2-Butanone	4.568	43	153380	91.133	ug/l	96
26) 2,2-Dichloropropane	4.495	77	83887	19.264	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	67702	19.194	ug/l	99
28) Bromochloromethane	4.916	49	61735	23.854	ug/l	96
29) Tetrahydrofuran	5.032	42	97714	89.982	ug/l	99
30) Chloroform	5.111	83	113648	19.847	ug/l	97
31) Cyclohexane	5.483	56	102188	18.945	ug/l	99
32) 1,1,1-Trichloroethane	5.404	97	95321	19.165	ug/l	99
36) 1,1-Dichloropropene	5.708	75	76523	18.307	ug/l	98
37) Ethyl Acetate	4.727	43	75594	19.626	ug/l	98
38) Carbon Tetrachloride	5.690	117	83776	18.778	ug/l	97
39) Methylcyclohexane	7.385	83	95611	18.320	ug/l	97
40) Benzene	6.050	78	235216	19.444	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047292.D
Acq On : 12 Aug 2025 13:26
Operator : JC/MD
Sample : VX0812WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Quant Time: Aug 13 01:19:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.940	41	36391	18.070 ug/l #	94
42) 1,2-Dichloroethane	6.099	62	82614	19.387 ug/l	100
43) Isopropyl Acetate	6.355	43	117520	19.571 ug/l	99
44) Trichloroethene	7.135	130	59125	19.060 ug/l	99
45) 1,2-Dichloropropane	7.434	63	57246	18.894 ug/l	96
46) Dibromomethane	7.586	93	42078	19.805 ug/l	98
47) Bromodichloromethane	7.824	83	86595	19.148 ug/l	94
48) Methyl methacrylate	7.696	41	60629	18.534 ug/l	99
49) 1,4-Dioxane	7.678	88	11613	312.134 ug/l	93
51) 4-Methyl-2-Pentanone	8.574	43	352316	98.713 ug/l	99
52) Toluene	8.720	92	147686	19.855 ug/l	99
53) t-1,3-Dichloropropene	8.982	75	77861	18.232 ug/l	97
54) cis-1,3-Dichloropropene	8.373	75	89524	19.154 ug/l	96
55) 1,1,2-Trichloroethane	9.153	97	55086	19.748 ug/l	98
56) Ethyl methacrylate	9.116	69	84408	20.440 ug/l	97
57) 1,3-Dichloropropane	9.311	76	94858	19.566 ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	210805	91.734 ug/l	99
59) 2-Hexanone	9.433	43	242985	103.045 ug/l	99
60) Dibromochloromethane	9.519	129	63662	19.459 ug/l	100
61) 1,2-Dibromoethane	9.610	107	55950	19.182 ug/l	97
64) Tetrachloroethene	9.275	164	48424	18.671 ug/l	97
65) Chlorobenzene	10.080	112	161881	19.207 ug/l	99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54239	19.114 ug/l	98
67) Ethyl Benzene	10.195	91	282159	19.147 ug/l	97
68) m/p-Xylenes	10.299	106	214358	38.871 ug/l	98
69) o-Xylene	10.640	106	102856	19.606 ug/l	98
70) Styrene	10.653	104	176051	19.570 ug/l	100
71) Bromoform	10.799	173	41420	19.216 ug/l #	99
73) Isopropylbenzene	10.964	105	269200	18.177 ug/l	99
74) N-amyl acetate	10.842	43	106264	17.783 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.213	83	77828	18.397 ug/l	98
76) 1,2,3-Trichloropropane	11.238	75	73649	21.196 ug/l	84
77) Bromobenzene	11.195	156	64972	18.290 ug/l	100
78) n-propylbenzene	11.305	91	320780	18.125 ug/l	100
79) 2-Chlorotoluene	11.360	91	190819	18.037 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	221860	18.133 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	12073	8.952 ug/l	92
82) 4-Chlorotoluene	11.451	91	223949	18.136 ug/l	98
83) tert-Butylbenzene	11.713	119	222333	18.105 ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	225067	18.442 ug/l	99
85) sec-Butylbenzene	11.890	105	273858	17.848 ug/l	100
86) p-Isopropyltoluene	12.006	119	231241	18.173 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	120856	17.906 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	125121	18.297 ug/l	98
89) n-Butylbenzene	12.329	91	209890	17.589 ug/l	99
90) Hexachloroethane	12.536	117	38830	17.058 ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	117969	18.287 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15101	18.596 ug/l	99
93) 1,2,4-Trichlorobenzene	13.585	180	73546	17.256 ug/l	100
94) Hexachlorobutadiene	13.725	225	23903	16.491 ug/l	97
95) Naphthalene	13.774	128	223364	17.877 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	71752	17.475 ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047292.D
Acq On : 12 Aug 2025 13:26
Operator : JC/MD
Sample : VX0812WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Quant Time: Aug 13 01:19:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

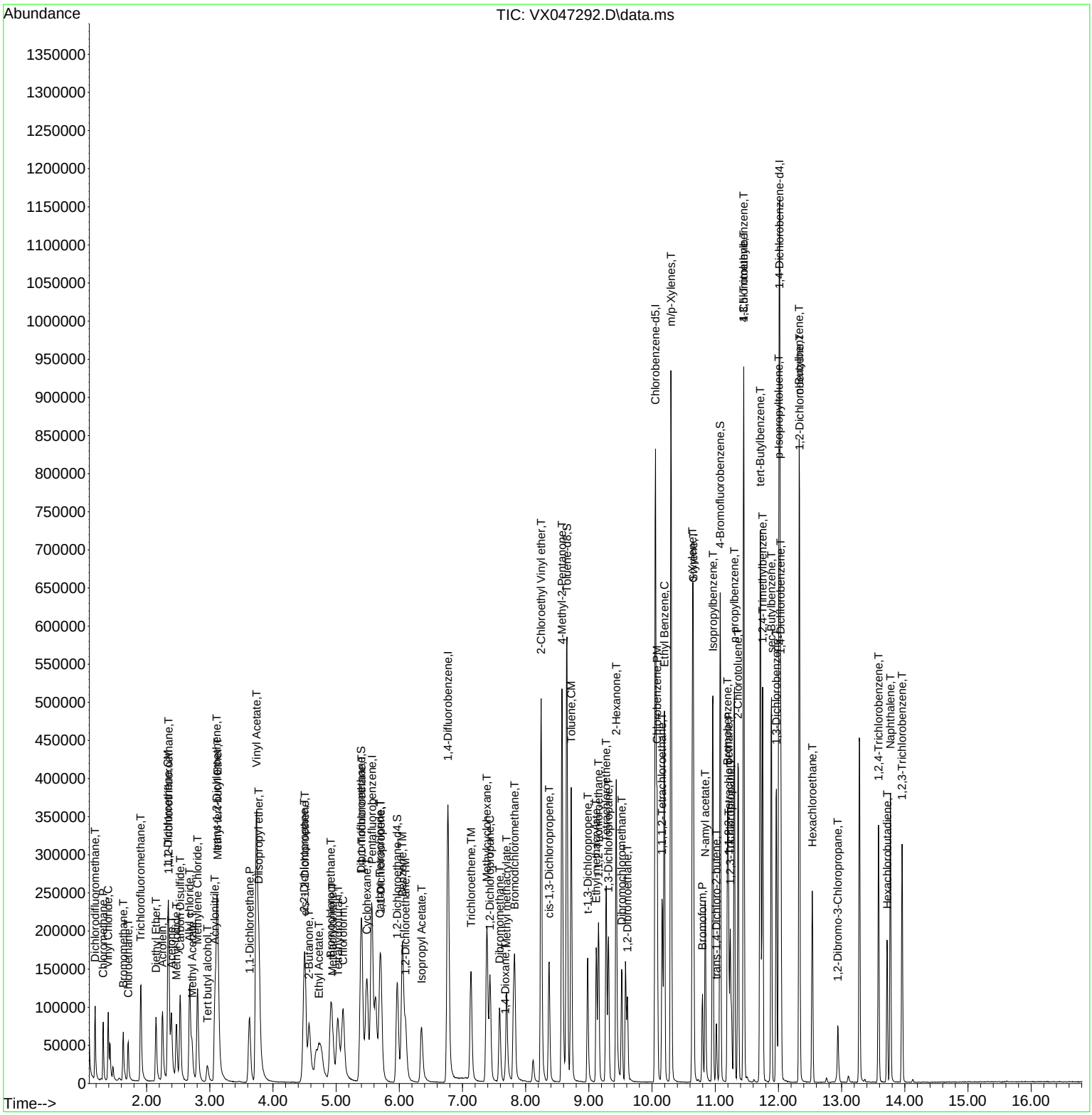
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

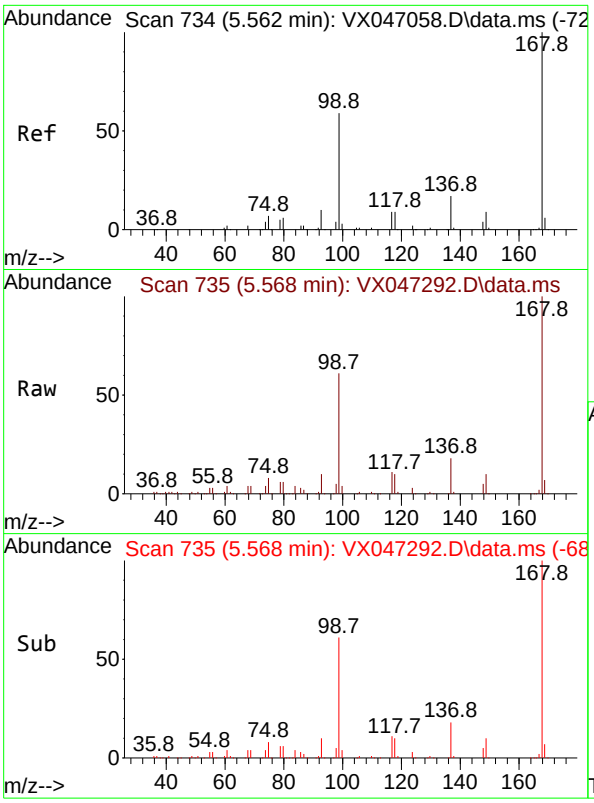
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047292.D
Acq On : 12 Aug 2025 13:26
Operator : JC/MD
Sample : VX0812WBSD01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Quant Time: Aug 13 01:19:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



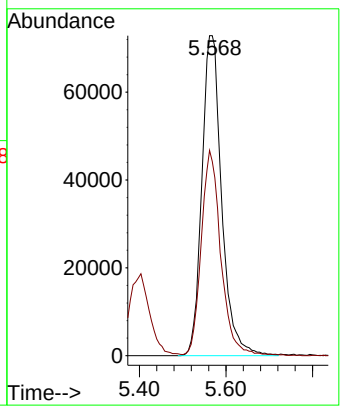


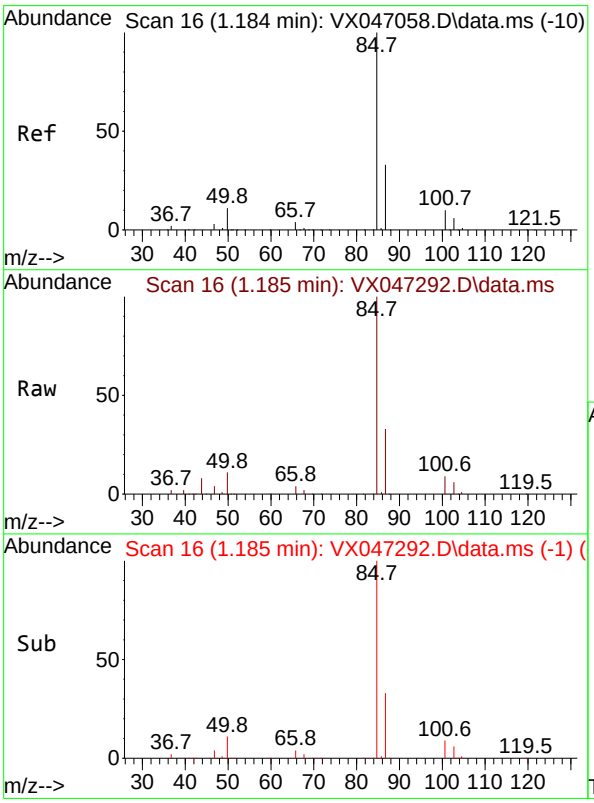
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:168 Resp: 231626

Ion	Ratio	Lower	Upper
168	100		
99	60.4	48.0	72.0

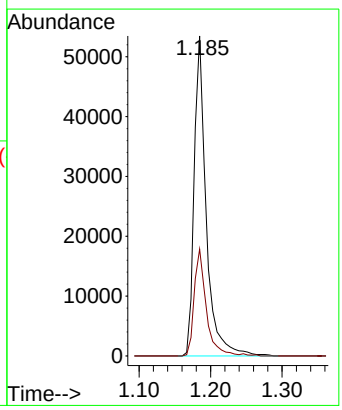


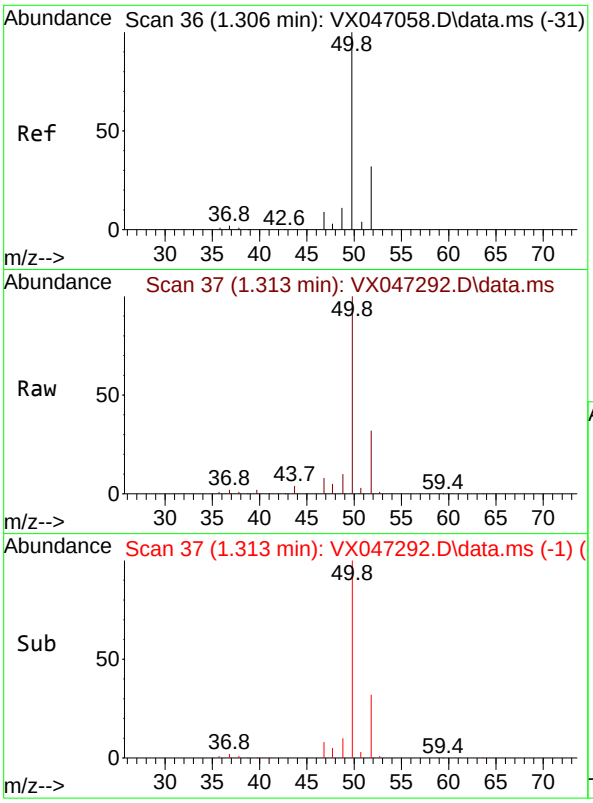


#2
Dichlorodifluoromethane
Concen: 20.332 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 85 Resp: 62552

Ion	Ratio	Lower	Upper
85	100		
87	33.9	16.6	49.8



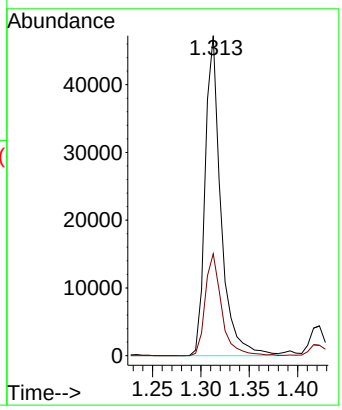


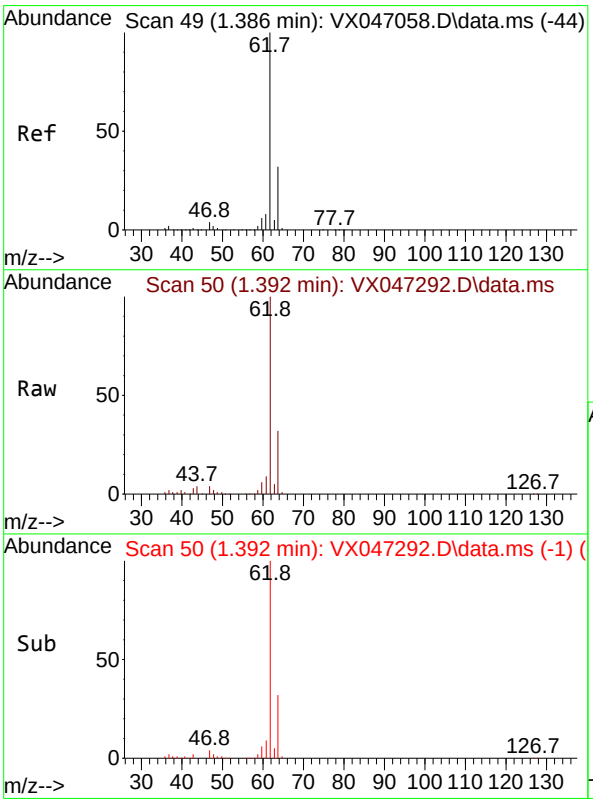
#3
Chloromethane
Concen: 17.645 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 50 Resp: 53699

Ion	Ratio	Lower	Upper
50	100		
52	31.8	25.4	38.2

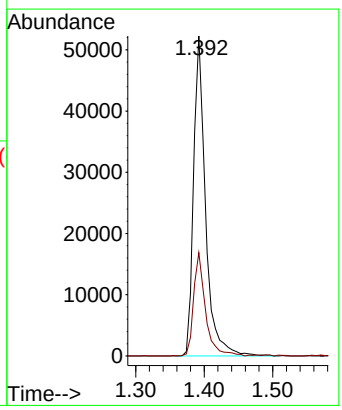


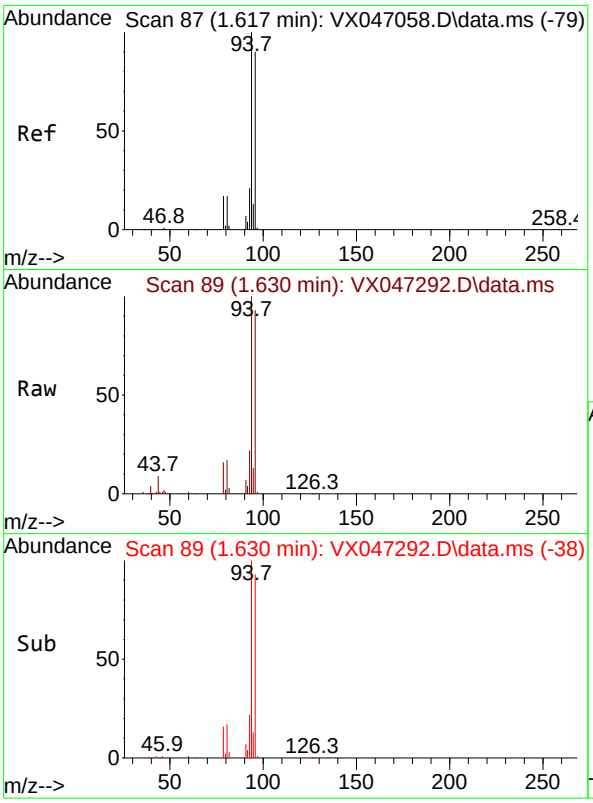


#4
Vinyl Chloride
Concen: 19.462 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 62 Resp: 63668

Ion	Ratio	Lower	Upper
62	100		
64	32.3	25.2	37.8



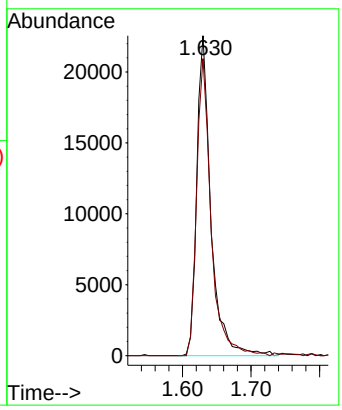


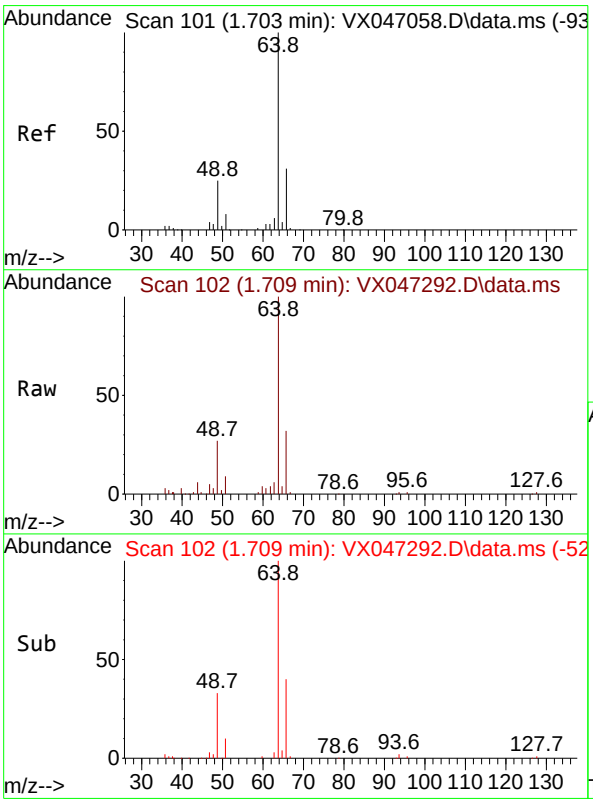
#5
Bromomethane
Concen: 18.268 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.013 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 94 Resp: 32464

Ion	Ratio	Lower	Upper
94	100		
96	92.9	72.3	108.5

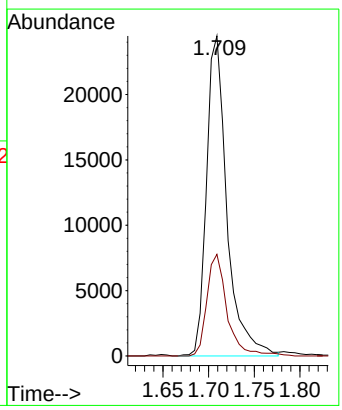


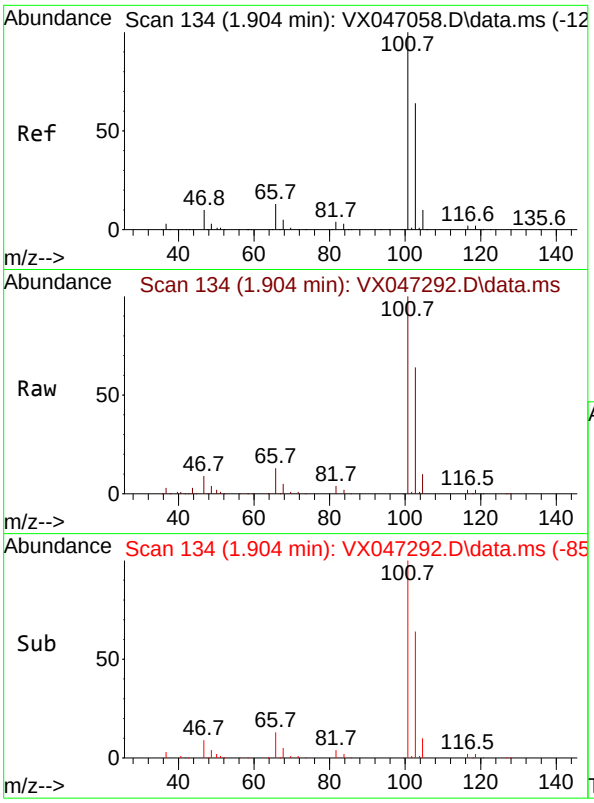


#6
Chloroethane
Concen: 17.645 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 64 Resp: 37913

Ion	Ratio	Lower	Upper
64	100		
66	31.7	25.0	37.6



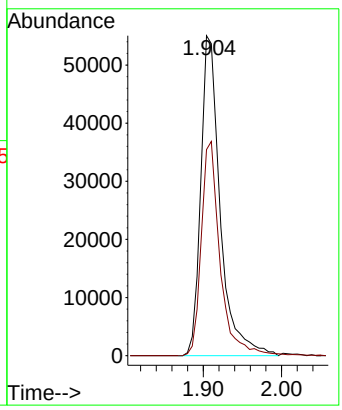


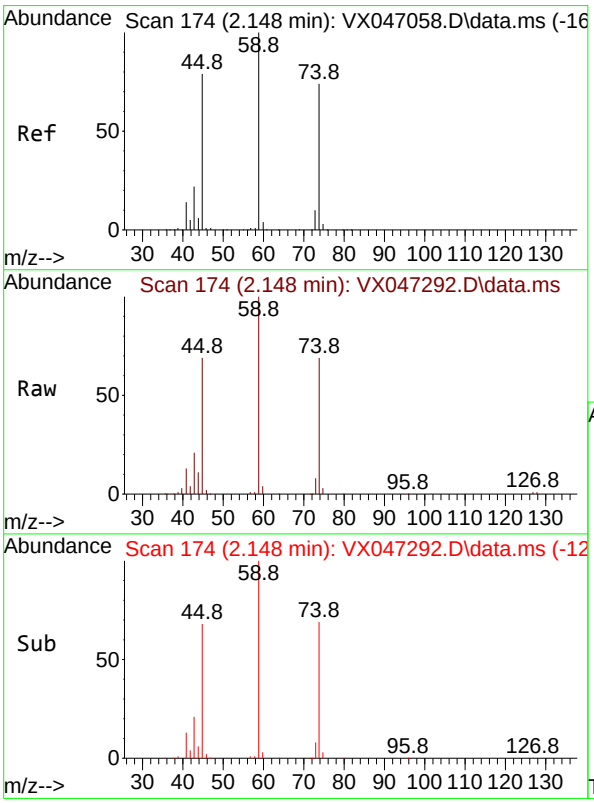
#7
Trichlorofluoromethane
Concen: 19.416 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:101 Resp: 94713

Ion	Ratio	Lower	Upper
101	100		
103	64.4	50.9	76.3

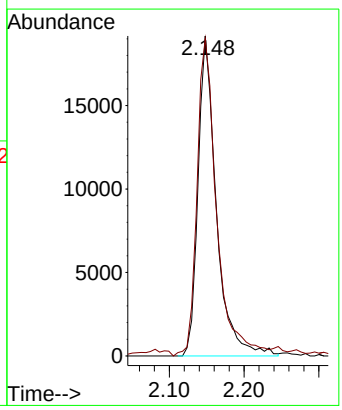


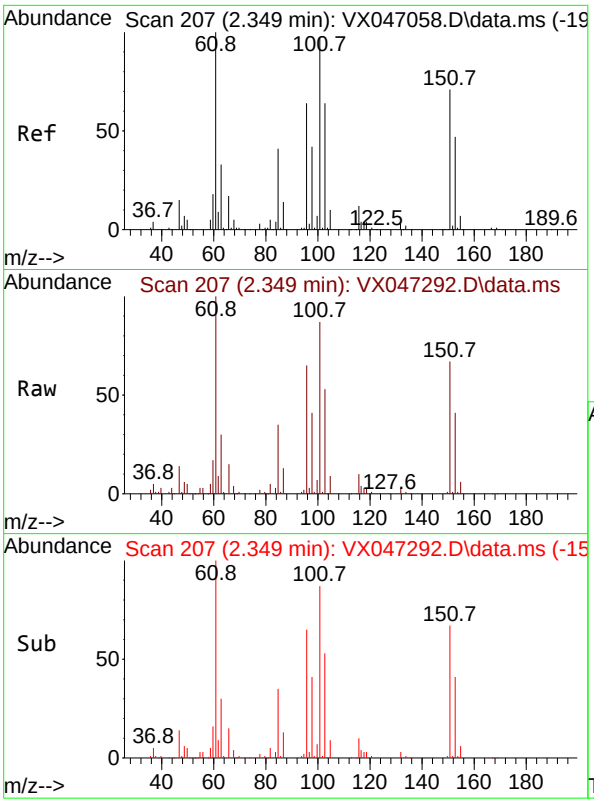


#8
Diethyl Ether
Concen: 18.973 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 74 Resp: 32633

Ion	Ratio	Lower	Upper
74	100		
45	106.0	53.0	159.0



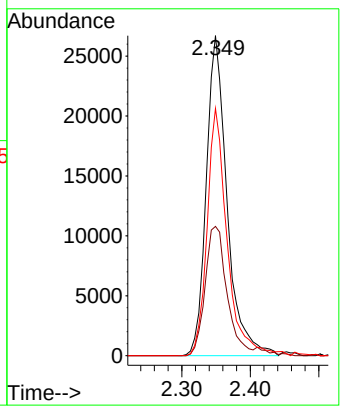


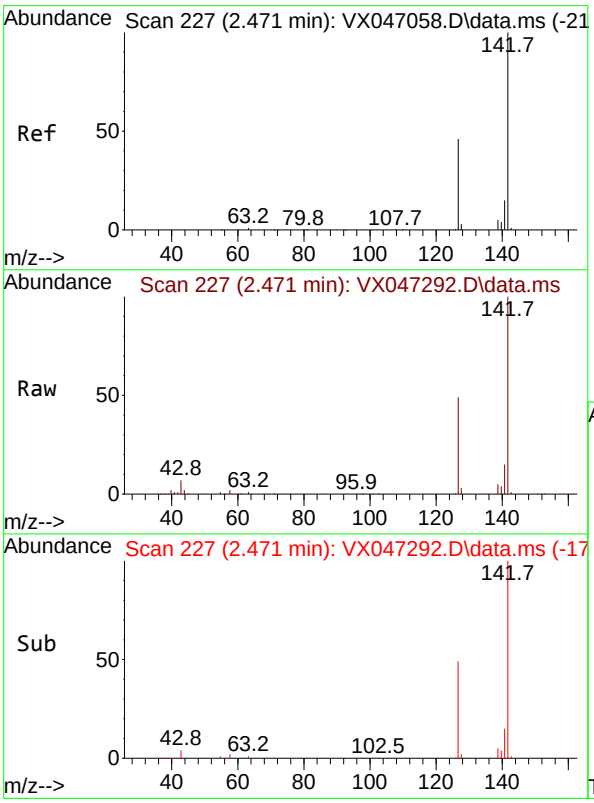
#9
1,1,2-Trichlorotrifluoroethane
Concen: 19.191 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:101 Resp: 56402

Ion	Ratio	Lower	Upper
101	100		
85	42.5	35.4	53.0
151	74.4	59.2	88.8

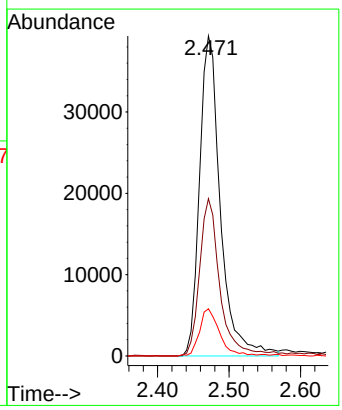


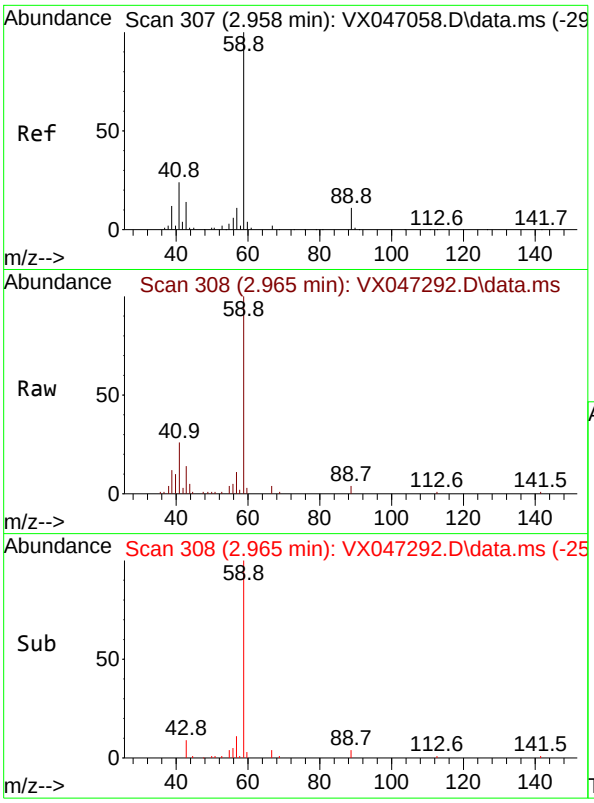


#10
Methyl Iodide
Concen: 26.569 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:142 Resp: 79582

Ion	Ratio	Lower	Upper
142	100		
127	48.2	36.6	54.8
141	14.2	10.9	16.3



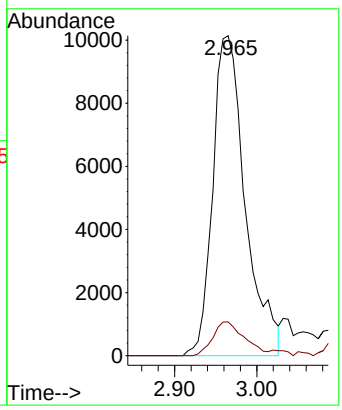


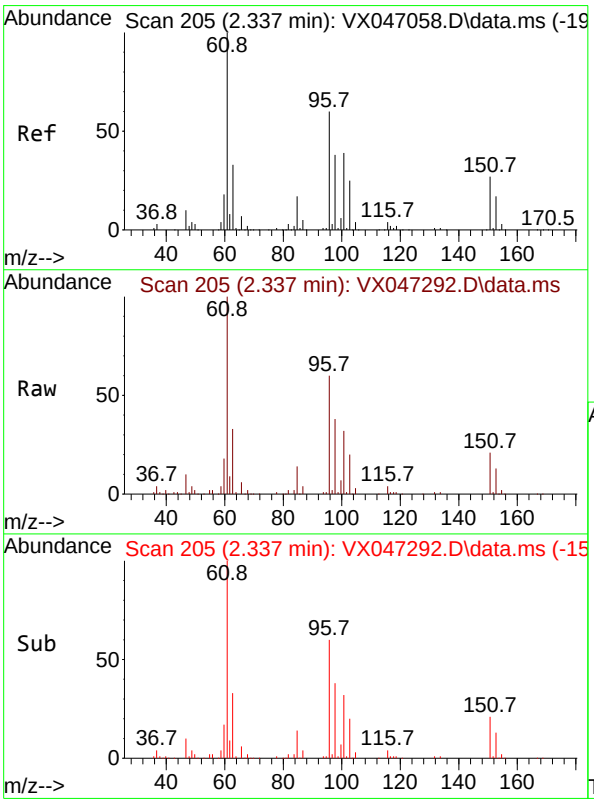
#11
Tert butyl alcohol
Concen: 75.416 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 59 Resp: 27860

Ion	Ratio	Lower	Upper
59	100		
57	10.3	8.5	12.7

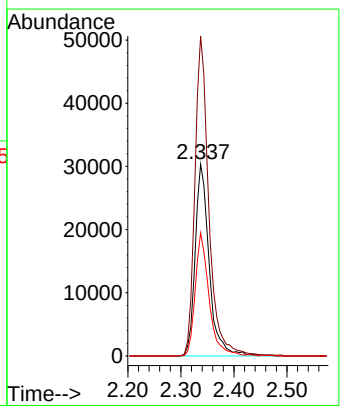


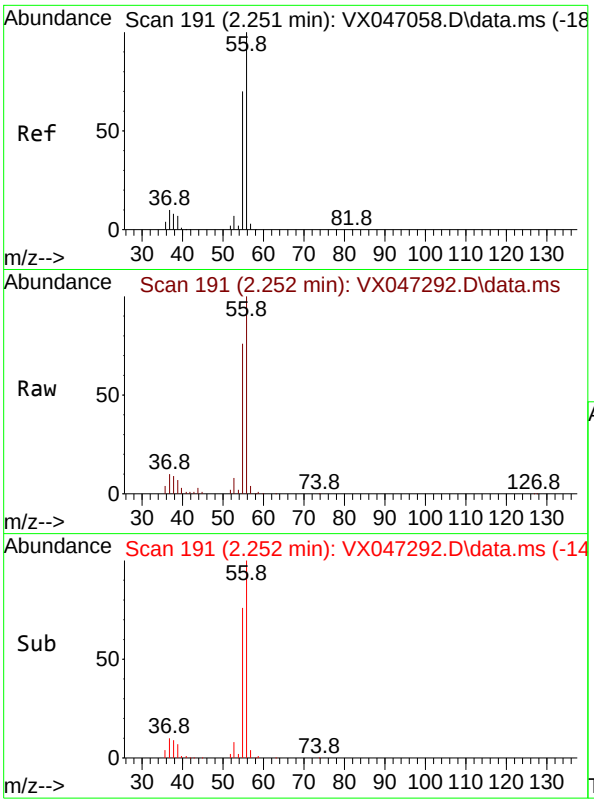


#12
1,1-Dichloroethene
Concen: 19.228 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 96 Resp: 55969

Ion	Ratio	Lower	Upper
96	100		
61	166.7	132.6	198.8
98	64.1	50.2	75.4



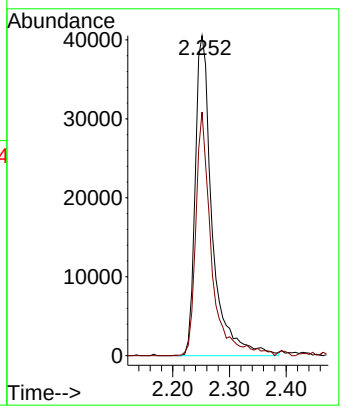


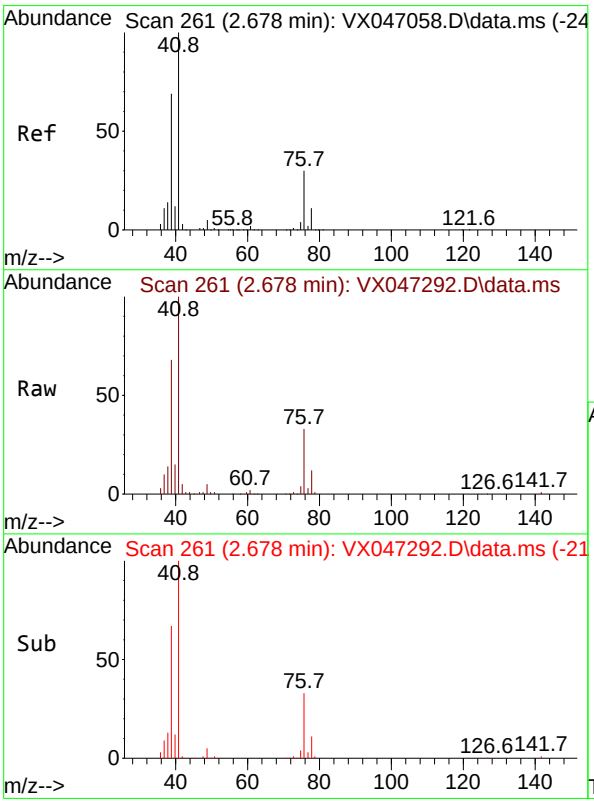
#13
Acrolein
Concen: 135.786 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 56 Resp: 84359

Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.7	83.5

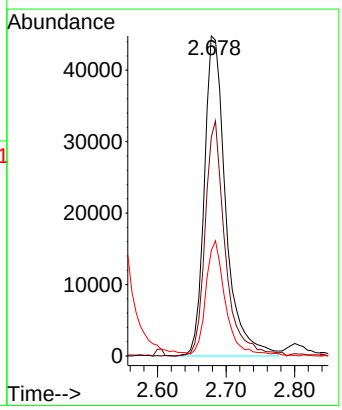


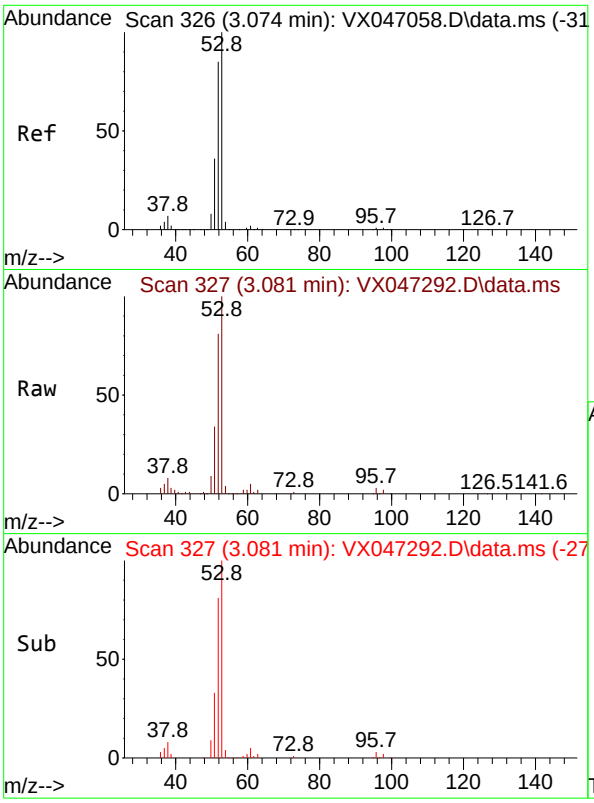


#14
Allyl chloride
Concen: 18.592 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 41 Resp: 97827

Ion	Ratio	Lower	Upper
41	100		
39	68.5	52.6	78.8
76	33.4	25.7	38.5



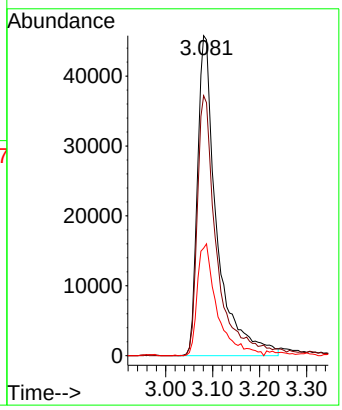


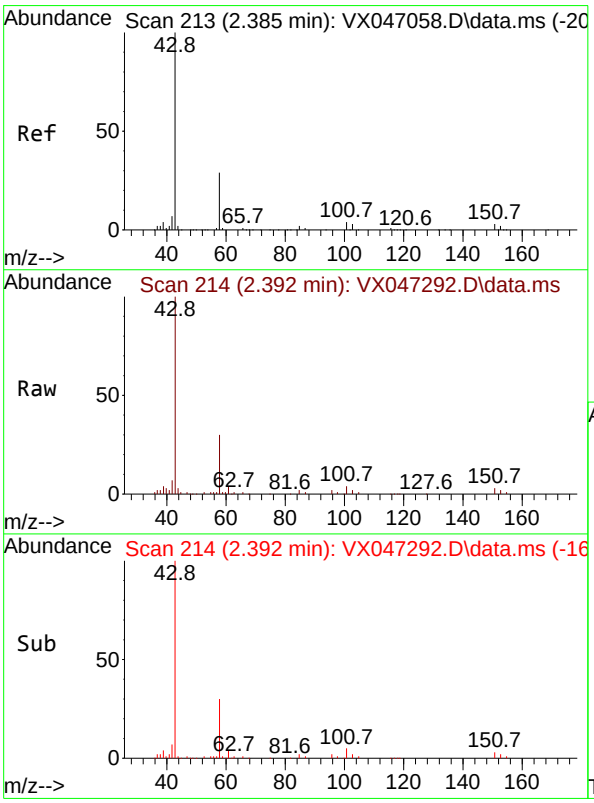
#15
Acrylonitrile
Concen: 95.163 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 53 Resp: 130953

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	35.8	28.8	43.2

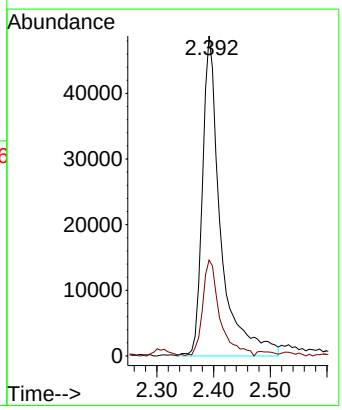


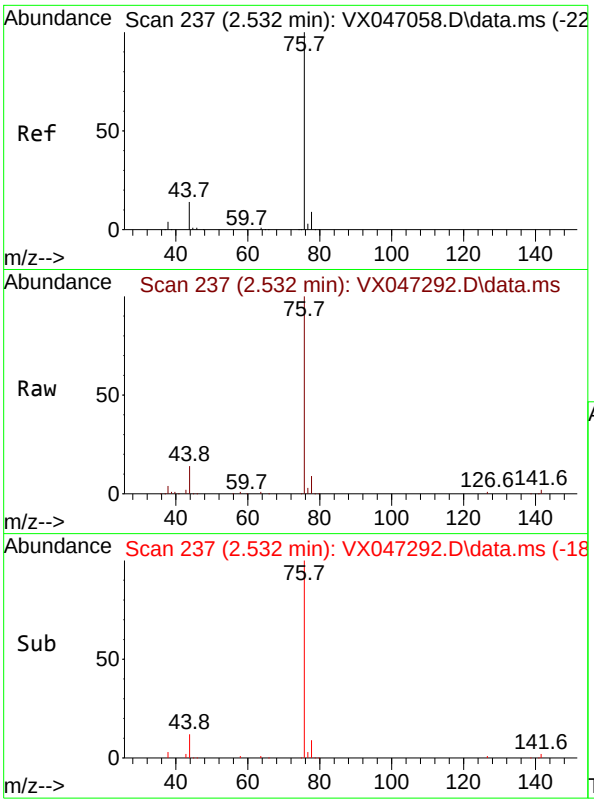


#16
Acetone
Concen: 94.262 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 43 Resp: 108955

Ion	Ratio	Lower	Upper
43	100		
58	29.4	24.0	36.0



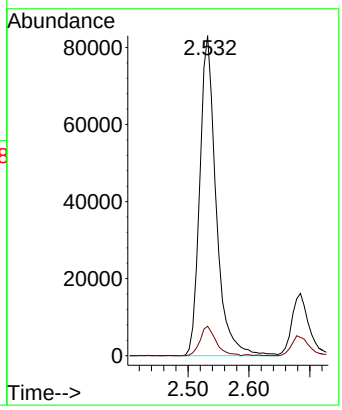


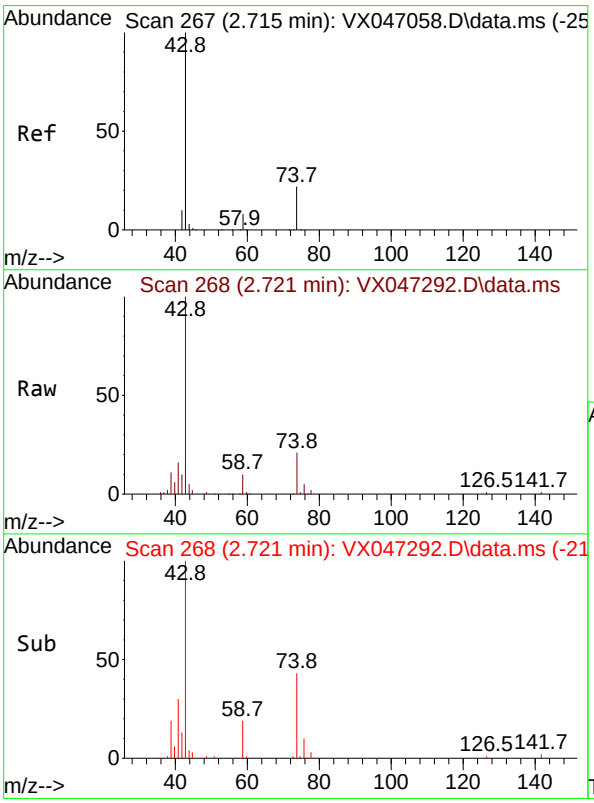
#17
Carbon Disulfide
Concen: 18.387 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 76 Resp: 154841

Ion	Ratio	Lower	Upper
76	100		
78	9.4	7.0	10.4

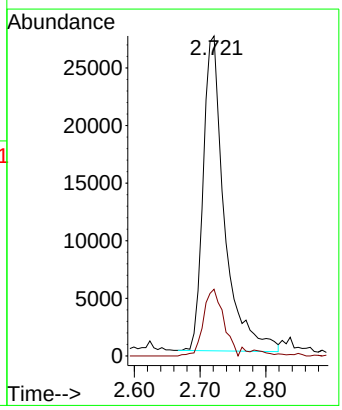


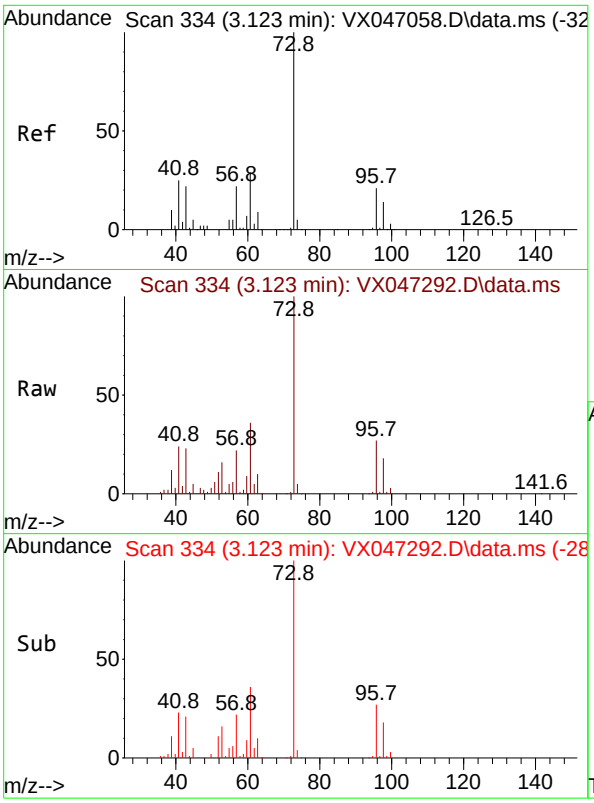


#18
Methyl Acetate
Concen: 19.988 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 43 Resp: 61396

Ion	Ratio	Lower	Upper
43	100		
74	20.0	17.7	26.5



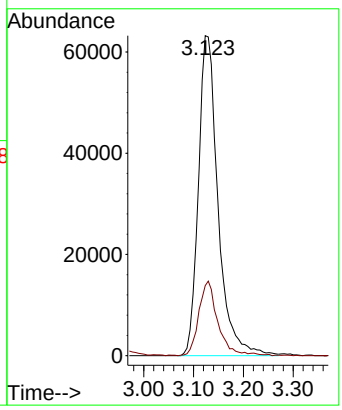


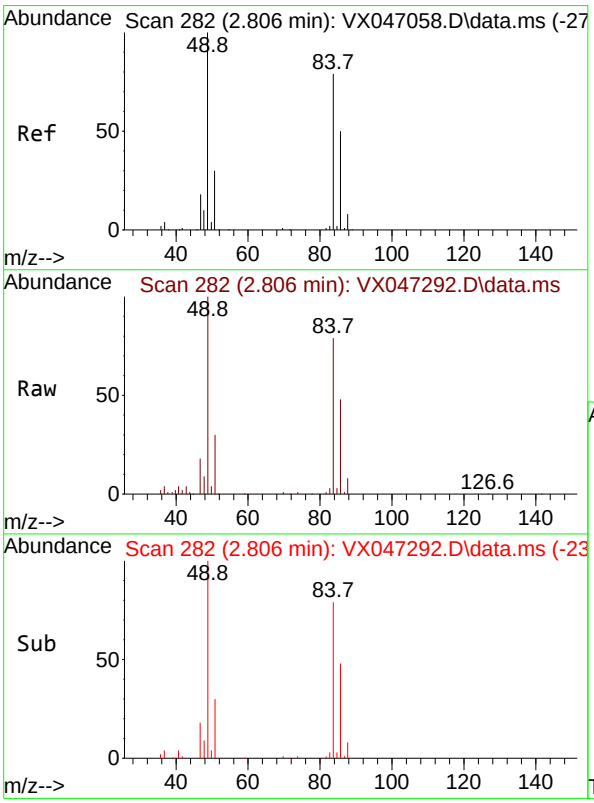
#19
Methyl tert-butyl Ether
Concen: 19.493 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 73 Resp: 172690

Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.7	26.5

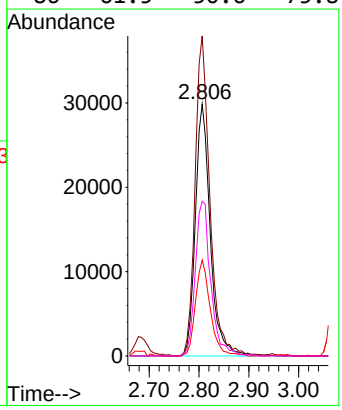


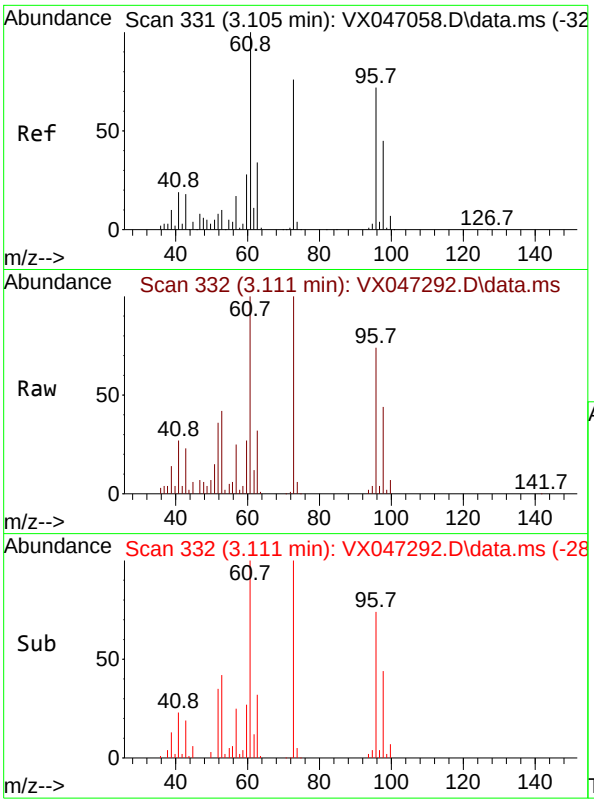


#20
Methylene Chloride
Concen: 19.490 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 84 Resp: 61975

Ion	Ratio	Lower	Upper
84	100		
49	126.9	101.6	152.4
51	38.1	30.3	45.5
86	61.5	50.6	75.8



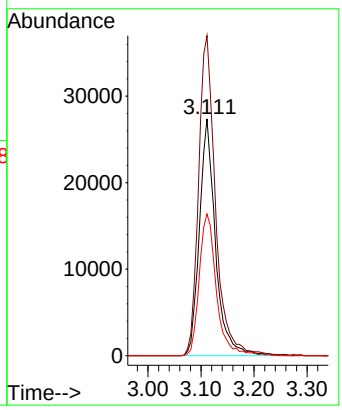


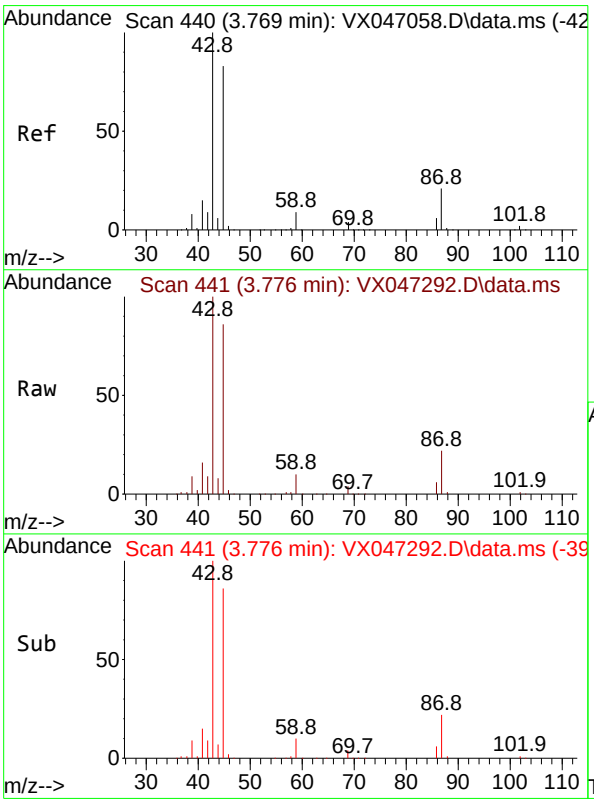
#21
trans-1,2-Dichloroethene
Concen: 19.426 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 96 Resp: 57865

Ion	Ratio	Lower	Upper
96	100		
61	135.2	111.1	166.7
98	59.8	49.6	74.4

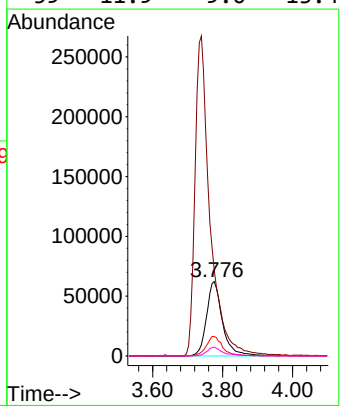


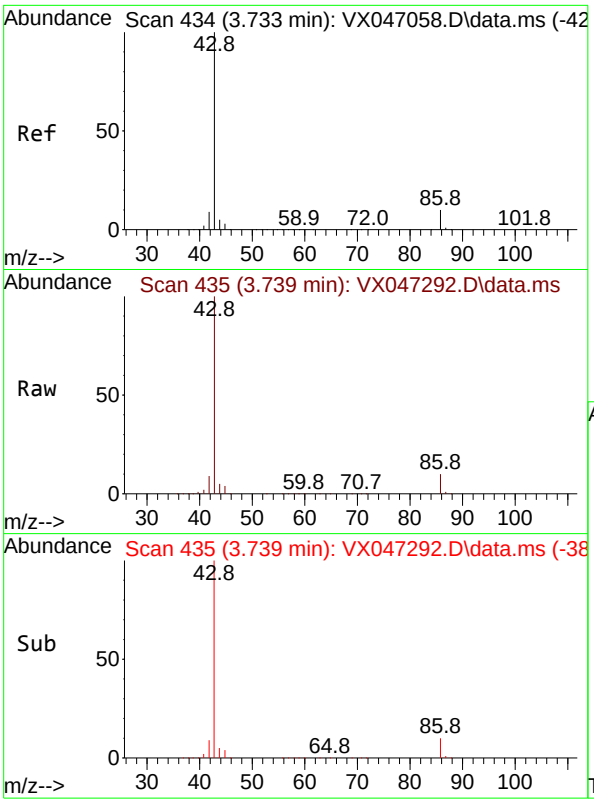


#22
Diisopropyl ether
Concen: 19.437 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 45 Resp: 196635

Ion	Ratio	Lower	Upper
45	100		
43	115.4	96.8	145.2
87	26.0	20.5	30.7
59	11.9	9.0	13.4



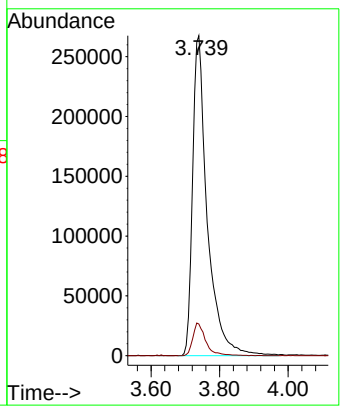


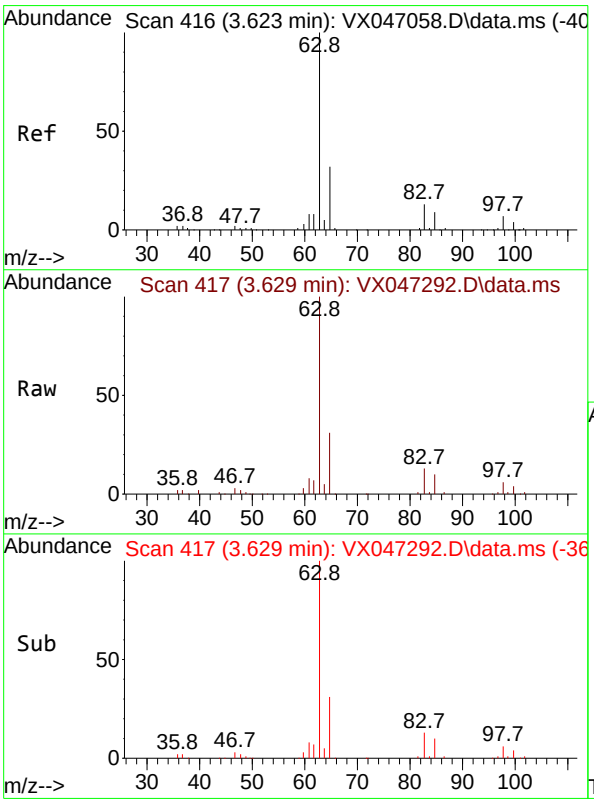
#23
Vinyl Acetate
Concen: 98.638 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 43 Resp: 800347

Ion	Ratio	Lower	Upper
43	100		
86	9.9	8.1	12.1

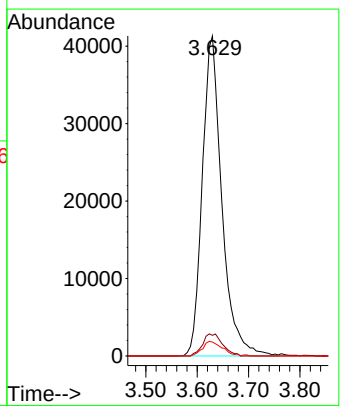


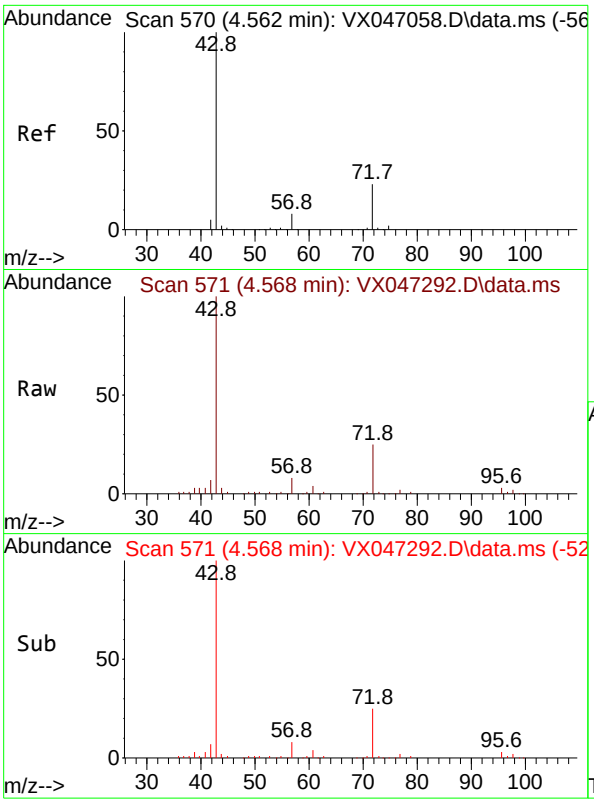


#24
1,1-Dichloroethane
Concen: 19.368 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 63 Resp: 108954

Ion	Ratio	Lower	Upper
63	100		
98	7.0	3.6	10.8
100	4.4	2.3	6.8



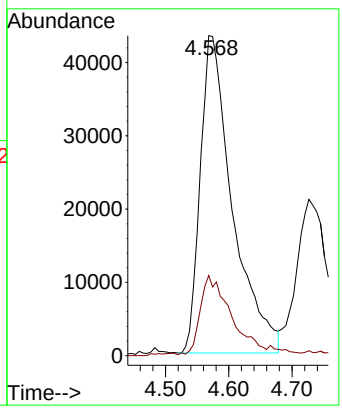


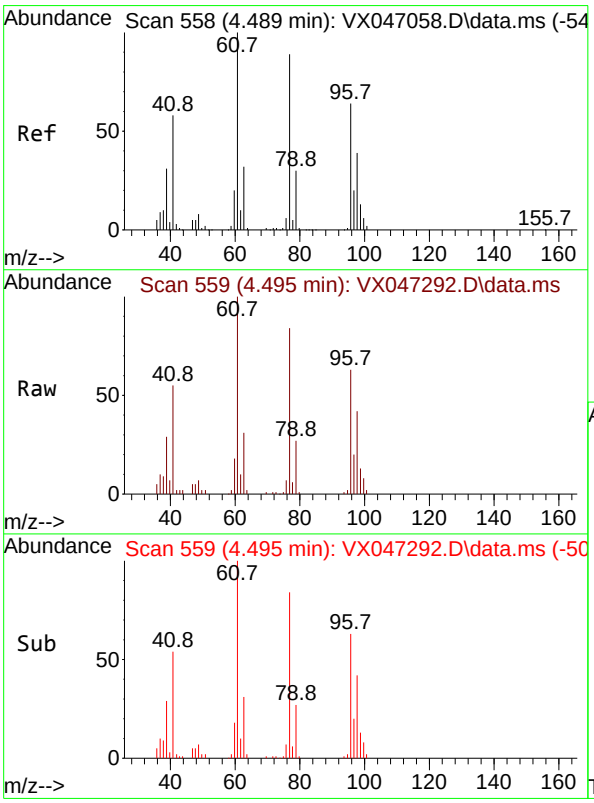
#25
2-Butanone
Concen: 91.133 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 43 Resp: 153380

Ion	Ratio	Lower	Upper
43	100		
72	25.3	18.8	28.2

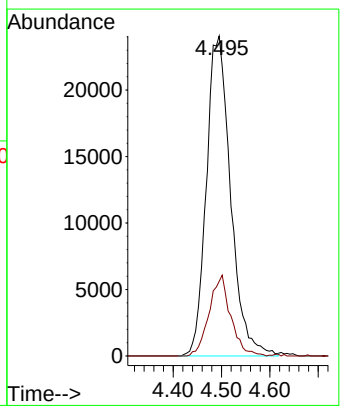


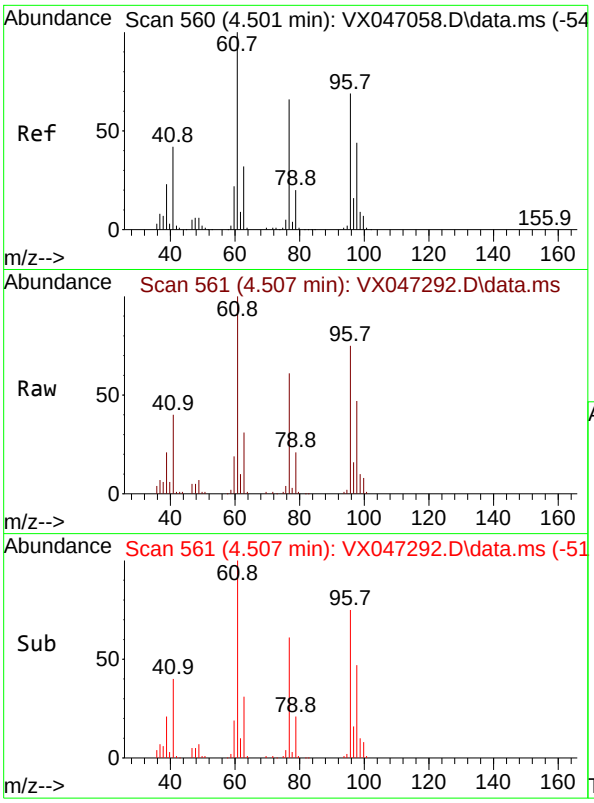


#26
2,2-Dichloropropane
Concen: 19.264 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 77 Resp: 83887

Ion	Ratio	Lower	Upper
77	100		
97	22.4	11.4	34.1



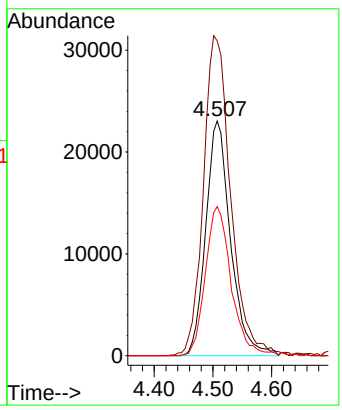


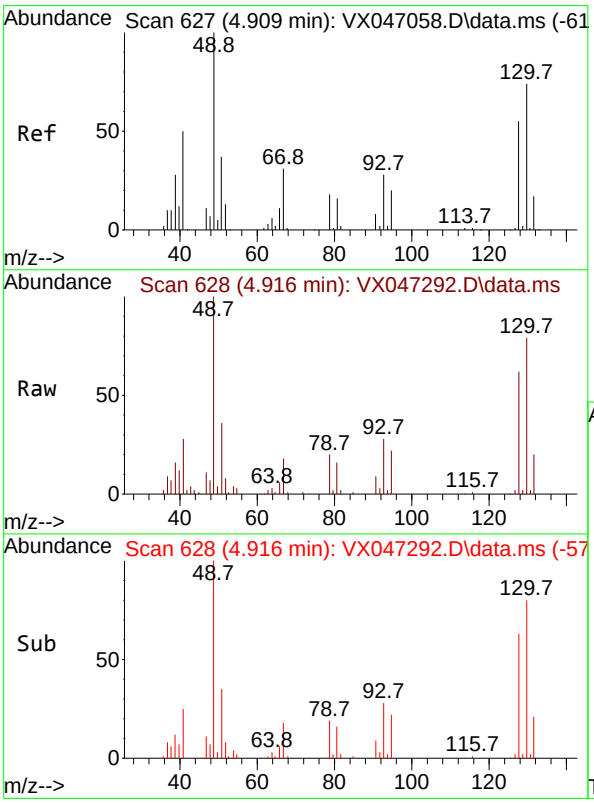
#27
cis-1,2-Dichloroethene
Concen: 19.194 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 96 Resp: 67702

Ion	Ratio	Lower	Upper
96	100		
61	149.8	0.0	298.6
98	65.8	0.0	128.8

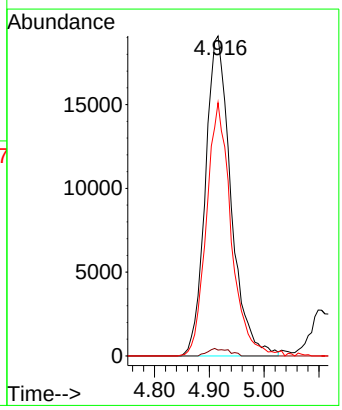


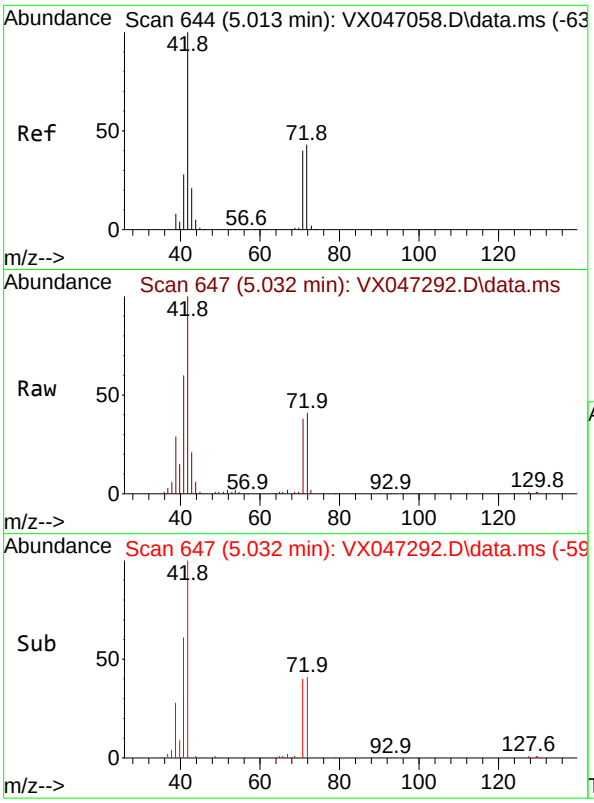


#28
Bromochloromethane
Concen: 23.854 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 49 Resp: 61735

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	76.8	59.0	88.4



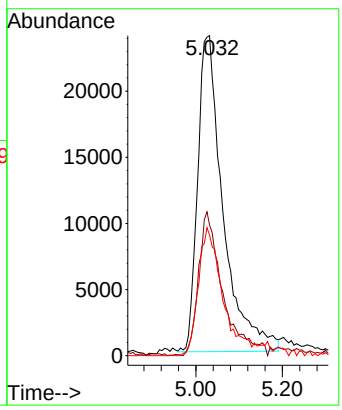


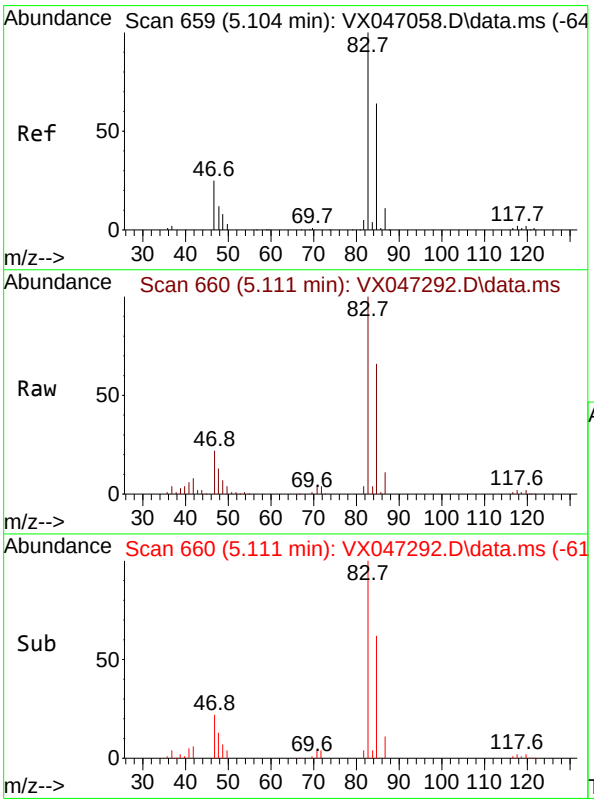
#29
Tetrahydrofuran
Concen: 89.982 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.019 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 42 Resp: 97714

Ion	Ratio	Lower	Upper
42	100		
72	41.9	33.7	50.5
71	39.2	31.0	46.4

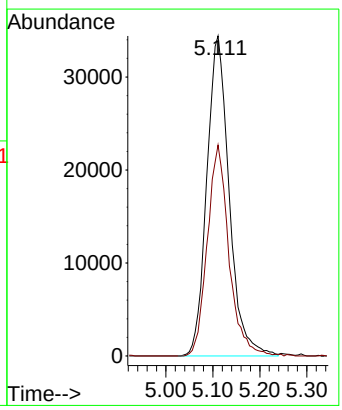


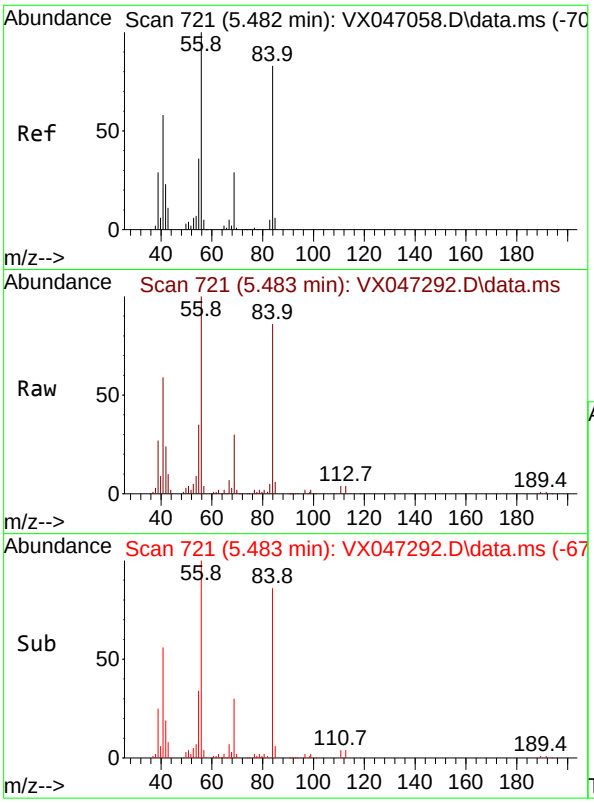


#30
Chloroform
Concen: 19.847 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 83 Resp: 113648

Ion	Ratio	Lower	Upper
83	100		
85	65.9	50.9	76.3



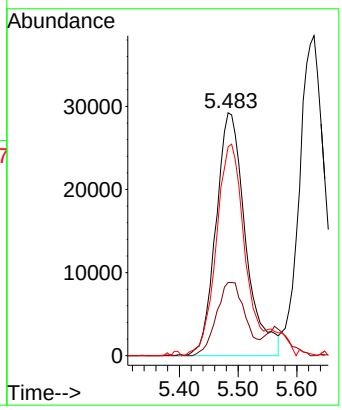


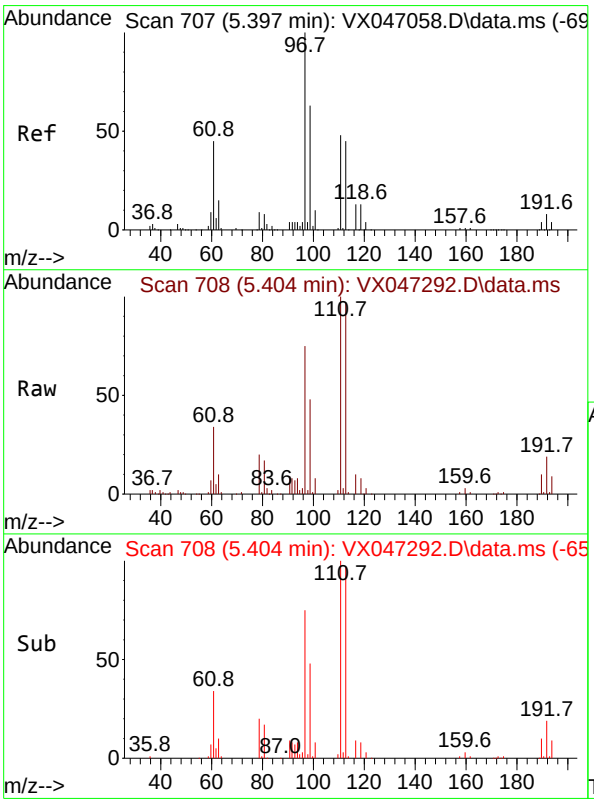
#31
Cyclohexane
Concen: 18.945 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 56 Resp: 102188

Ion	Ratio	Lower	Upper
56	100		
69	29.8	23.3	34.9
84	84.3	66.5	99.7

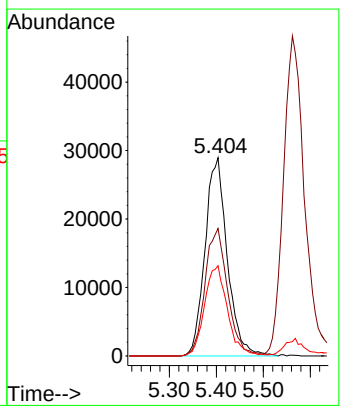


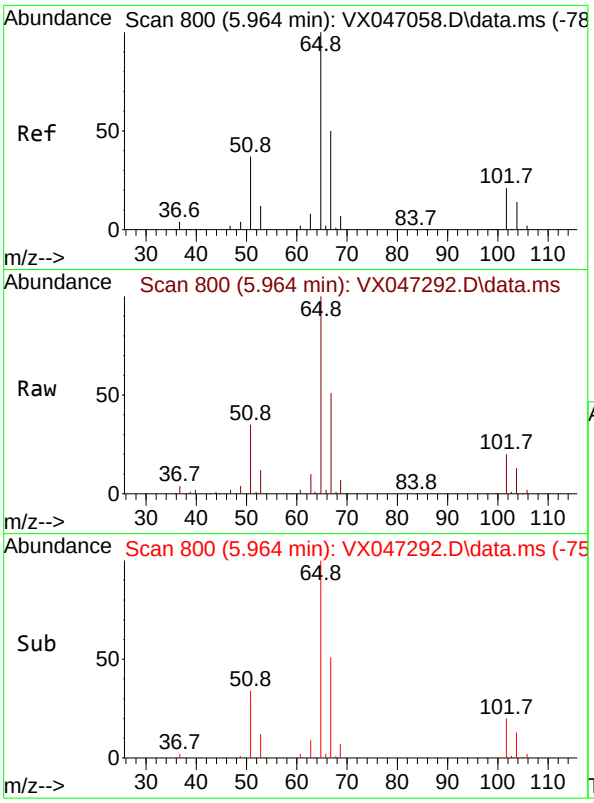


#32
1,1,1-Trichloroethane
Concen: 19.165 ug/l
RT: 5.404 min Scan# 708
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 97 Resp: 95321

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.2	76.8
61	46.8	37.1	55.7



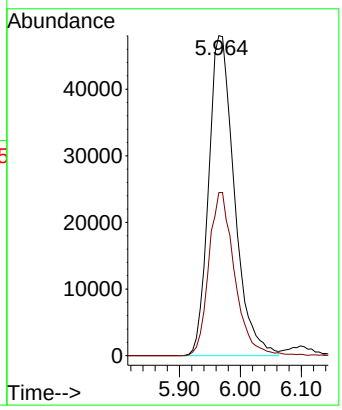


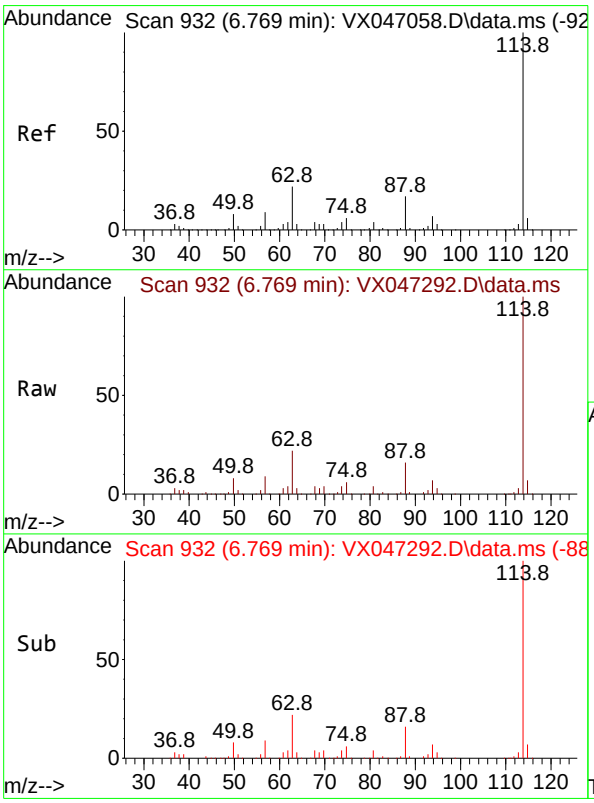
#33
1,2-Dichloroethane-d4
Concen: 48.899 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 65 Resp: 141091

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	104.8

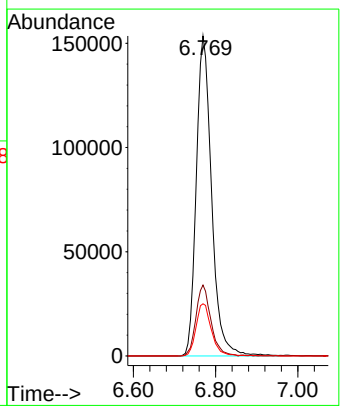


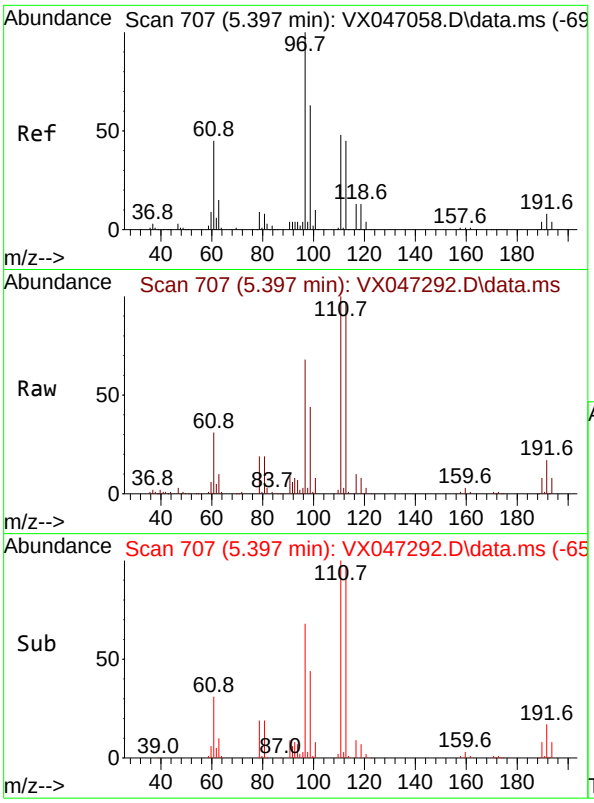


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:114 Resp: 397164

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	43.2
88	16.3	0.0	33.8



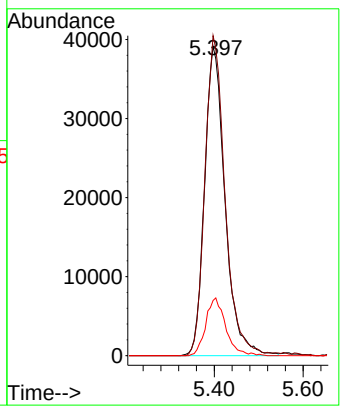


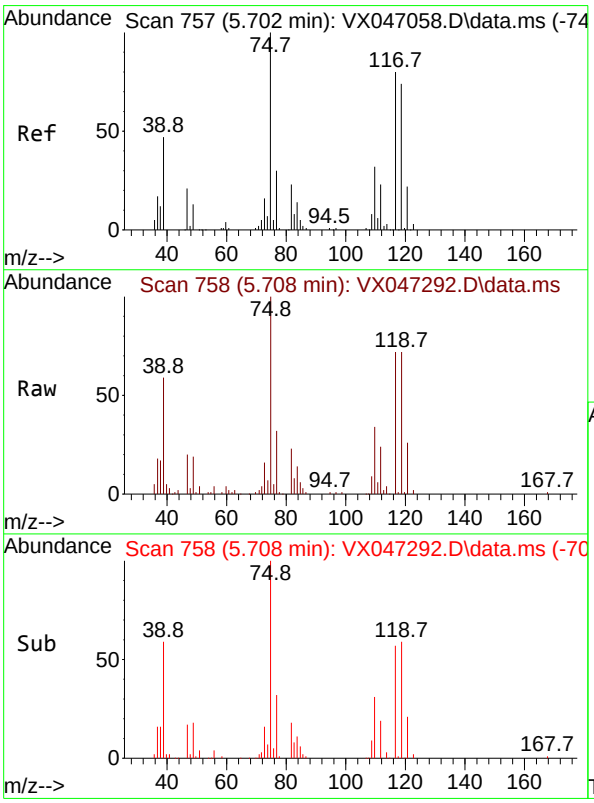
#35
Dibromofluoromethane
Concen: 51.084 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:113 Resp: 125269

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	124.0
192	18.3	14.9	22.3

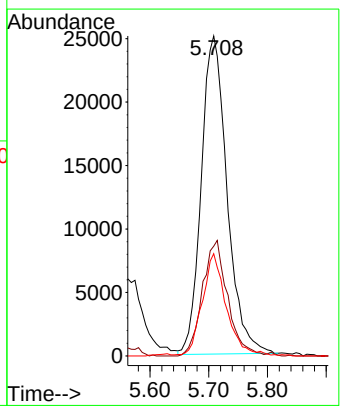


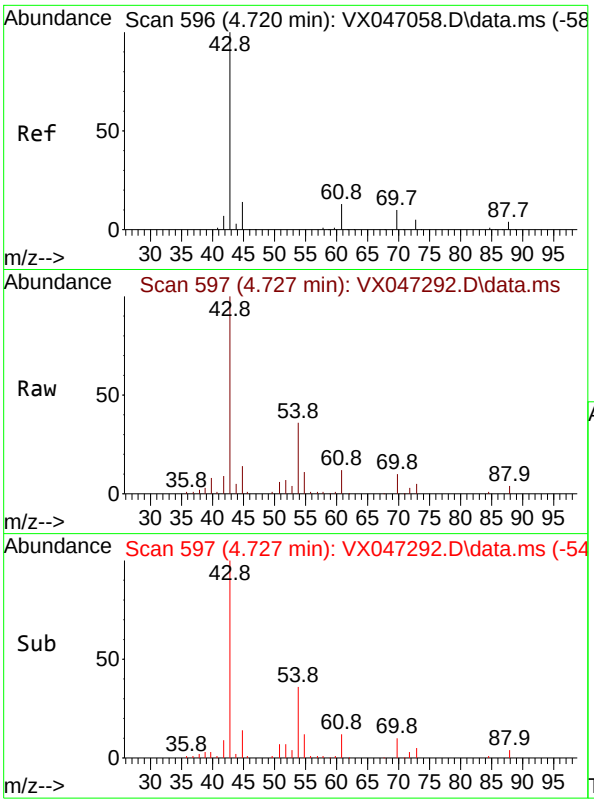


#36
1,1-Dichloropropene
Concen: 18.307 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 75 Resp: 76523

Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.2	51.5
77	29.7	25.1	37.7



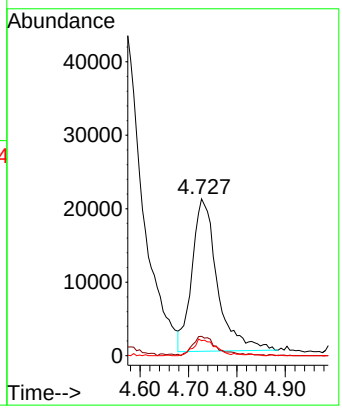


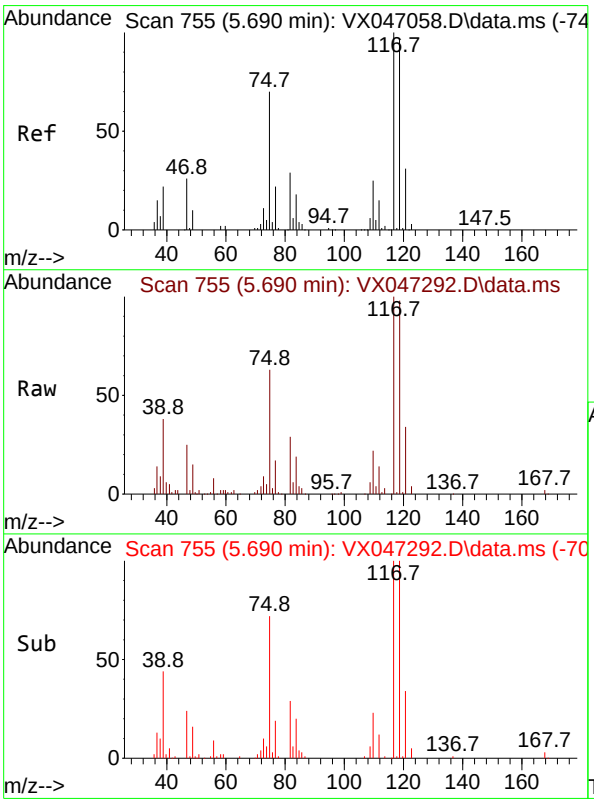
#37
Ethyl Acetate
Concen: 19.626 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 43 Resp: 75594

Ion	Ratio	Lower	Upper
43	100		
61	11.9	10.2	15.2
70	9.2	8.1	12.1

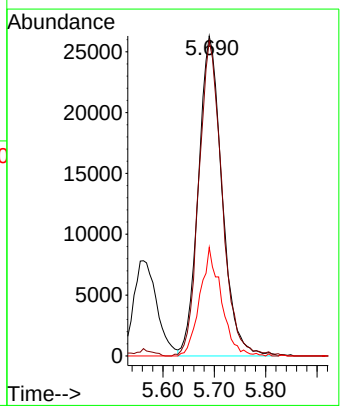


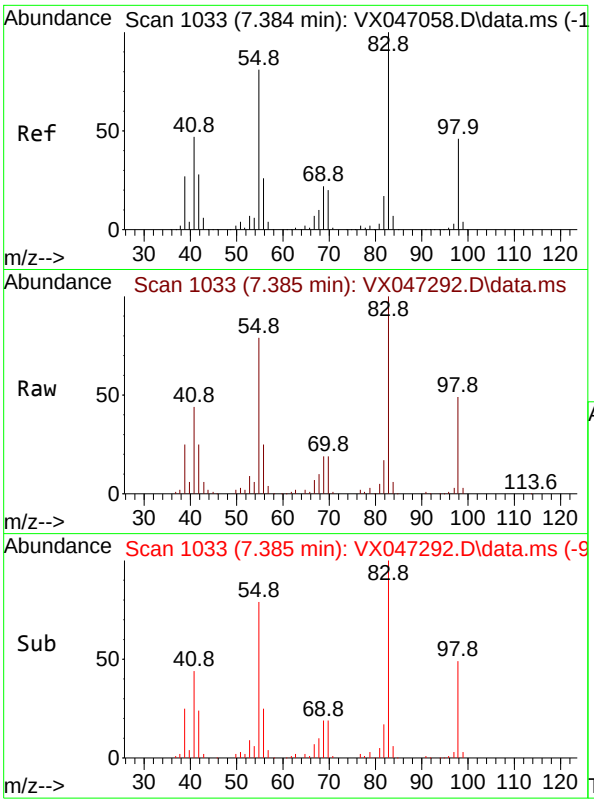


#38
Carbon Tetrachloride
Concen: 18.778 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:117 Resp: 83776

Ion	Ratio	Lower	Upper
117	100		
119	97.9	76.6	115.0
121	33.9	24.4	36.6



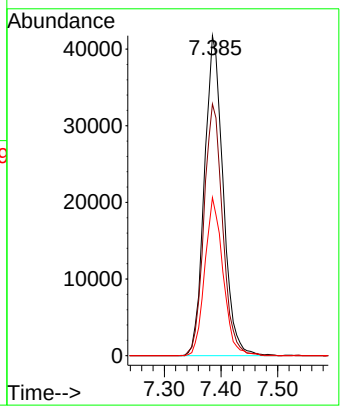


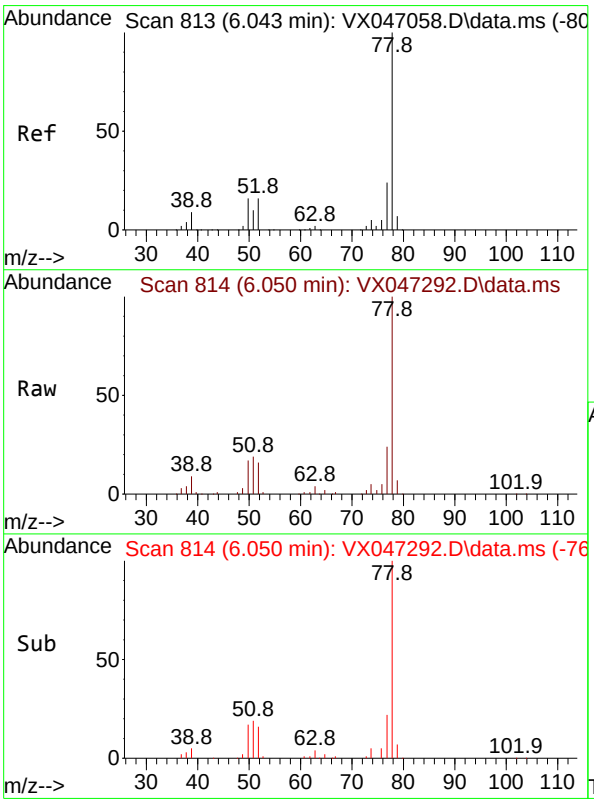
#39
Methylcyclohexane
Concen: 18.320 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 83 Resp: 95611

Ion	Ratio	Lower	Upper
83	100		
55	78.7	64.5	96.7
98	49.4	36.9	55.3

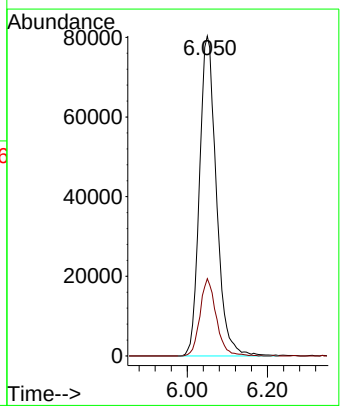


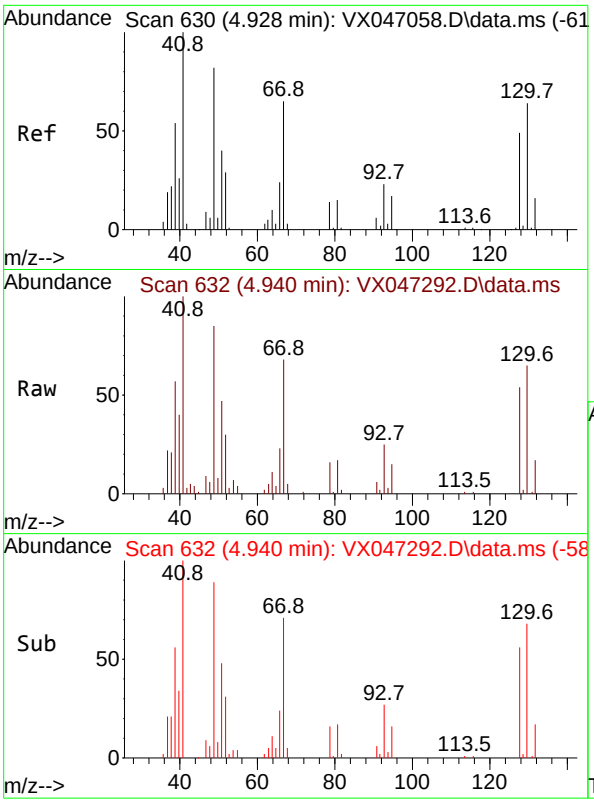


#40
Benzene
Concen: 19.444 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 78 Resp: 235216

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4



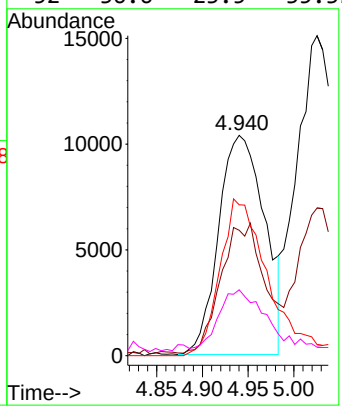


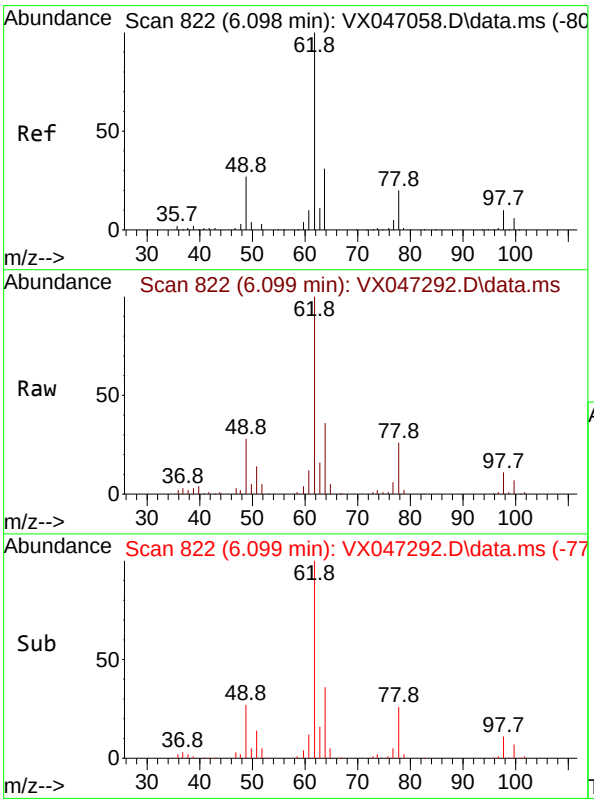
#41
Methacrylonitrile
Concen: 18.070 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.013 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 41 Resp: 36391

Ion	Ratio	Lower	Upper
41	100		
39	57.2	44.2	66.2
67	74.9	56.4	84.6
52	36.6	23.5	35.3#

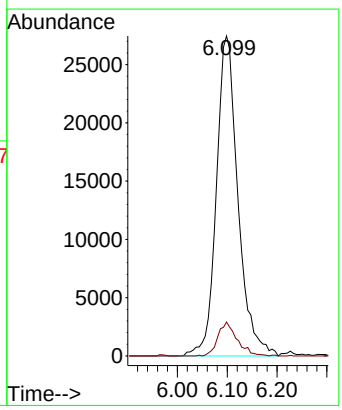


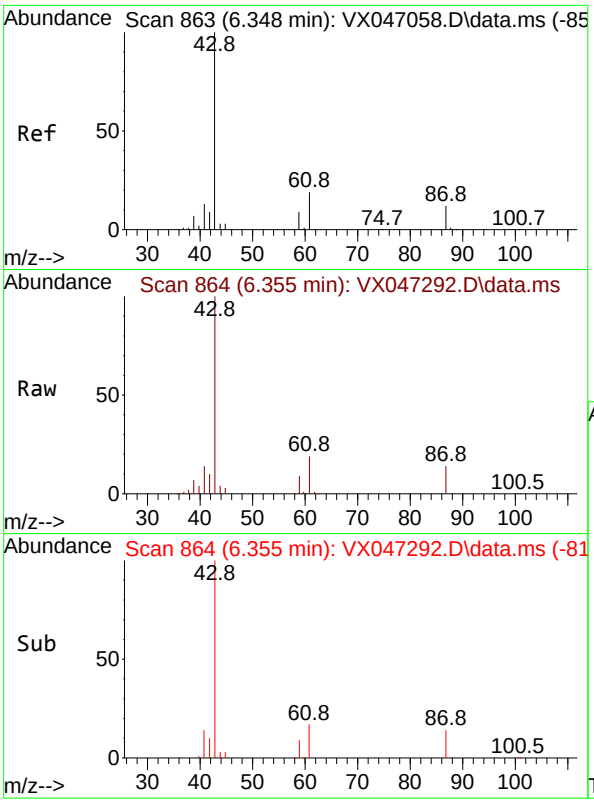


#42
1,2-Dichloroethane
Concen: 19.387 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 62 Resp: 82614

Ion	Ratio	Lower	Upper
62	100		
98	9.4	0.0	18.8



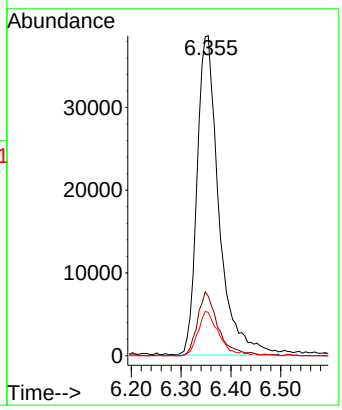


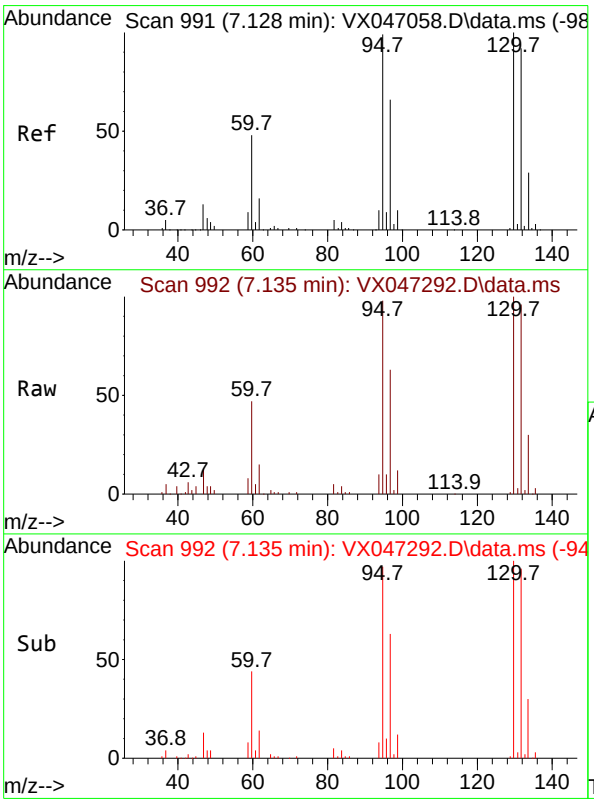
#43
Isopropyl Acetate
Concen: 19.571 ug/l
RT: 6.355 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 43 Resp: 117520

Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	13.1	9.7	14.5

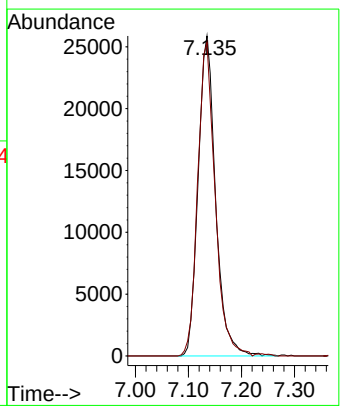


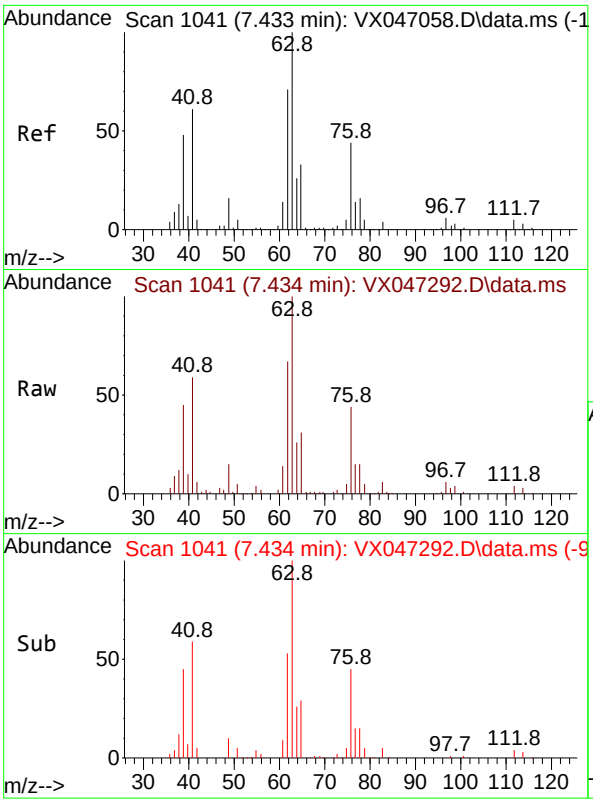


#44
Trichloroethene
Concen: 19.060 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:130 Resp: 59125

Ion	Ratio	Lower	Upper
130	100		
95	97.9	0.0	198.6



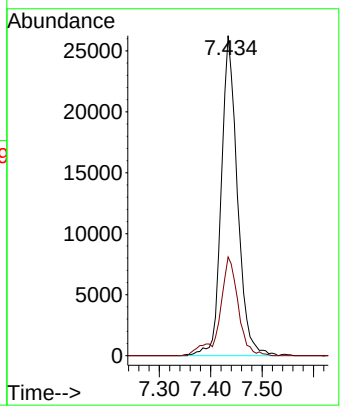


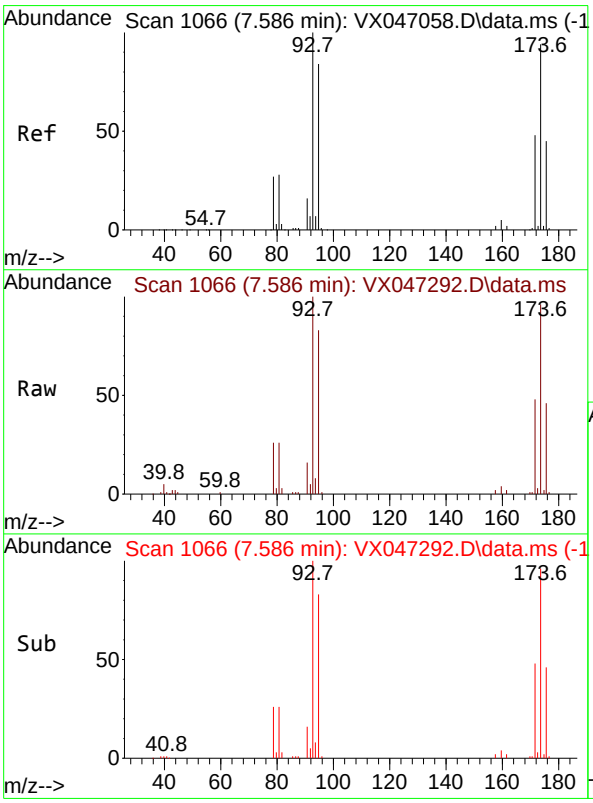
#45
1,2-Dichloropropane
Concen: 18.894 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 63 Resp: 57246

Ion	Ratio	Lower	Upper
63	100		
65	30.8	26.3	39.5

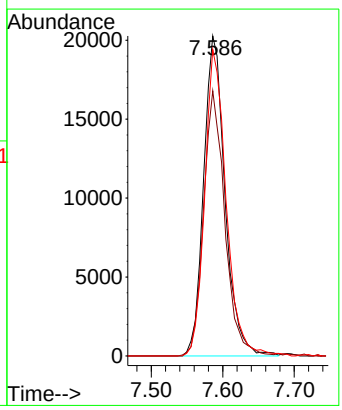


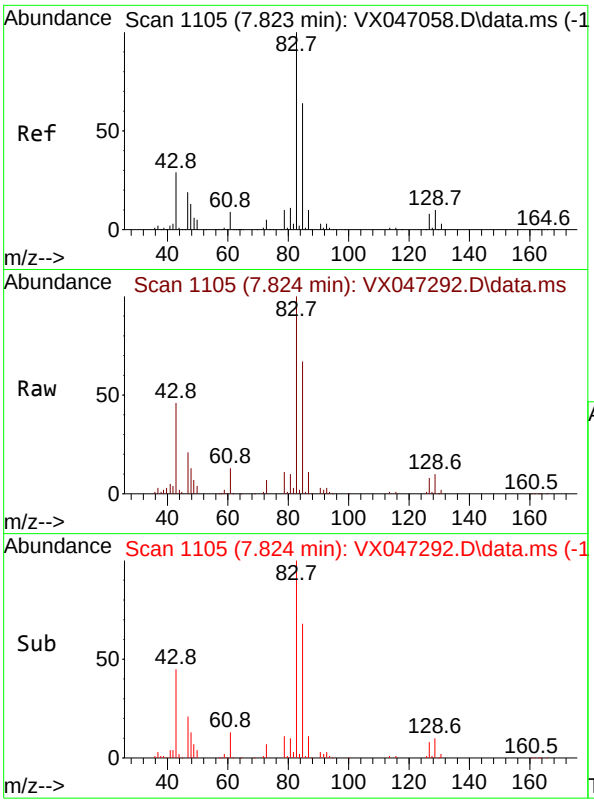


#46
Dibromomethane
Concen: 19.805 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 93 Resp: 42078

Ion	Ratio	Lower	Upper
93	100		
95	82.6	65.9	98.9
174	96.2	74.6	112.0



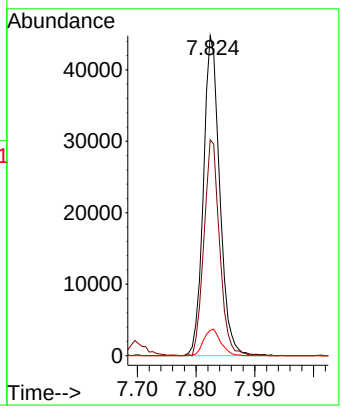


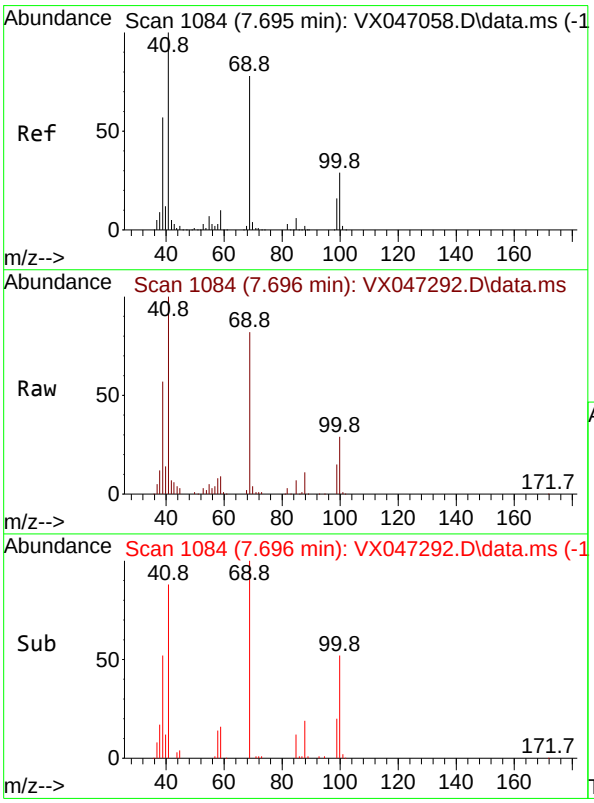
#47
Bromodichloromethane
Concen: 19.148 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 83 Resp: 86595

Ion	Ratio	Lower	Upper
83	100		
85	67.4	49.9	74.9
127	7.9	6.6	10.0

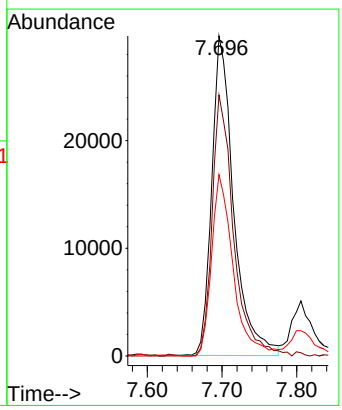


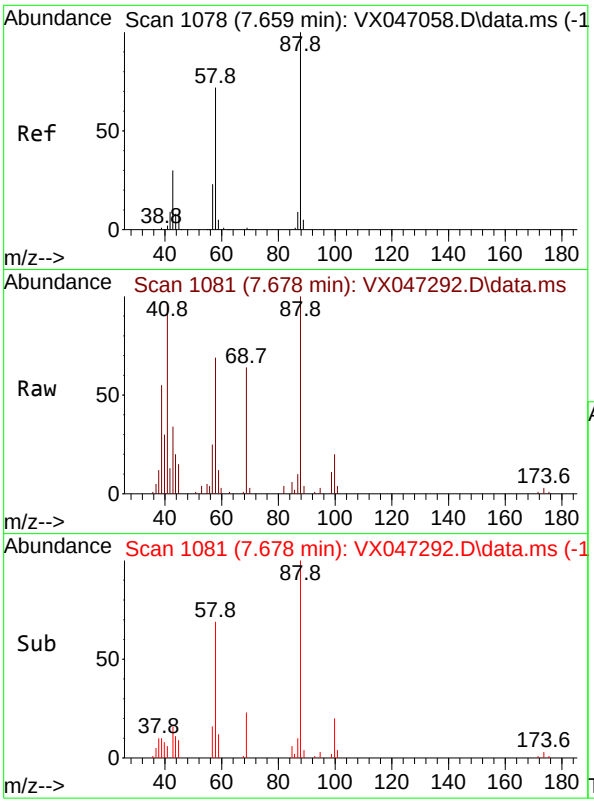


#48
Methyl methacrylate
Concen: 18.534 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 41 Resp: 60629

Ion	Ratio	Lower	Upper
41	100		
69	79.8	62.3	93.5
39	56.1	44.8	67.2



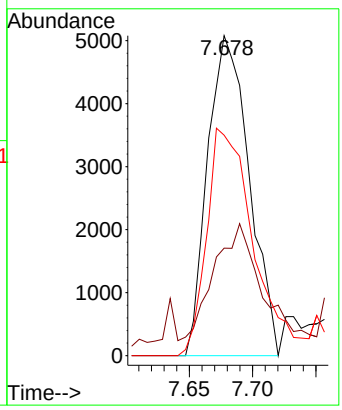


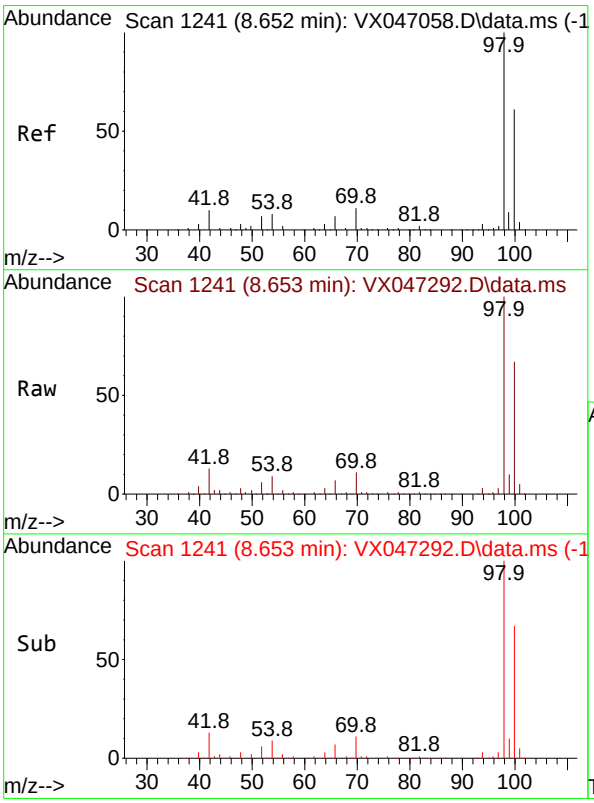
#49
1,4-Dioxane
Concen: 312.134 ug/l
RT: 7.678 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 88 Resp: 11613

Ion	Ratio	Lower	Upper
88	100		
43	37.5	33.6	50.4
58	79.9	58.8	88.2

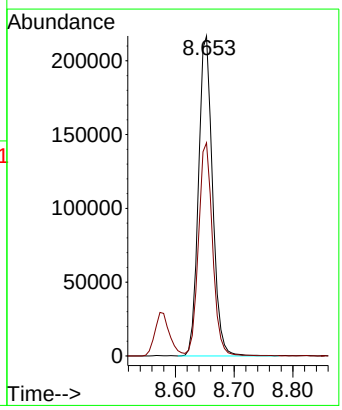


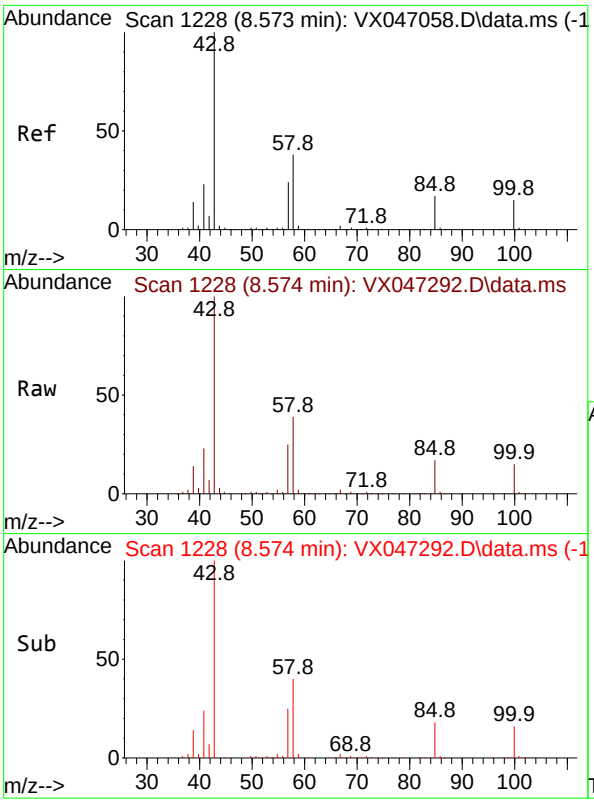


#50
Toluene-d8
Concen: 45.326 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 98 Resp: 359955

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.3	79.9



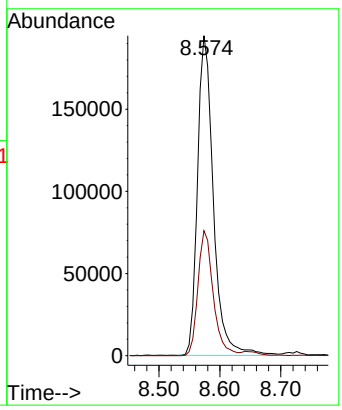


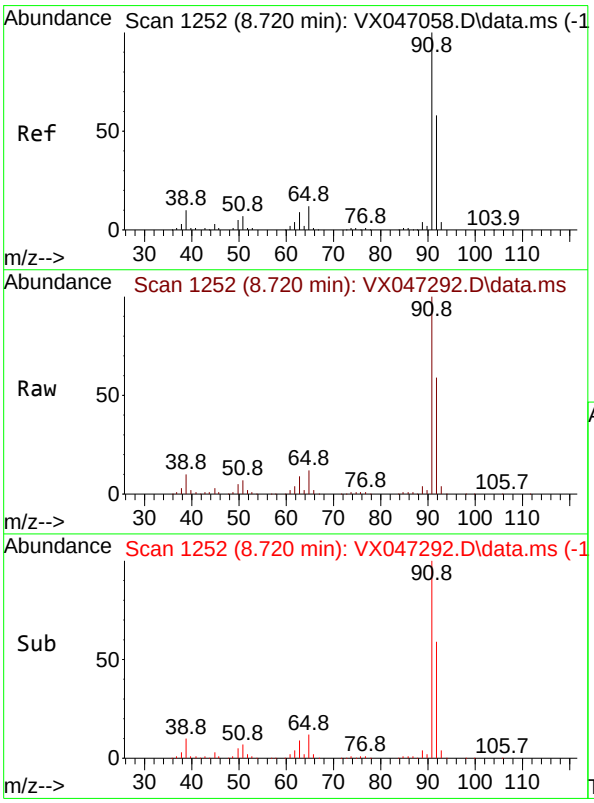
#51
4-Methyl-2-Pentanone
Concen: 98.713 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 43 Resp: 352316

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.6	45.8

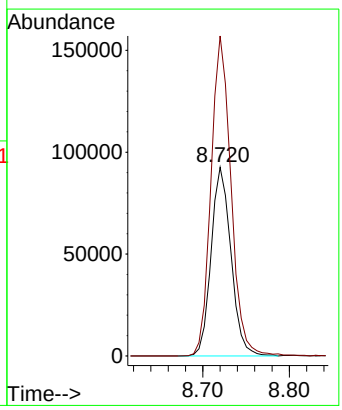


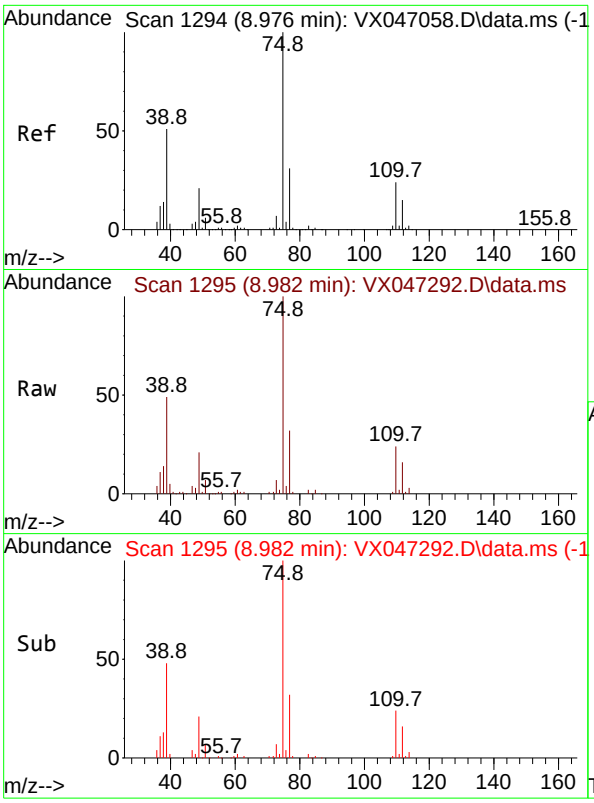


#52
Toluene
Concen: 19.855 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 92 Resp: 147686

Ion	Ratio	Lower	Upper
92	100		
91	171.0	137.9	206.9



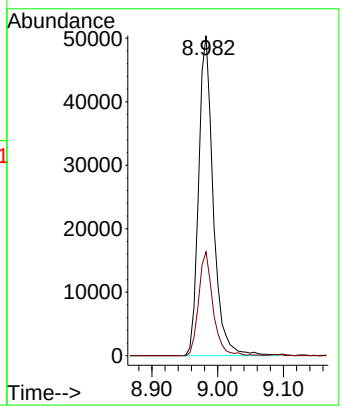


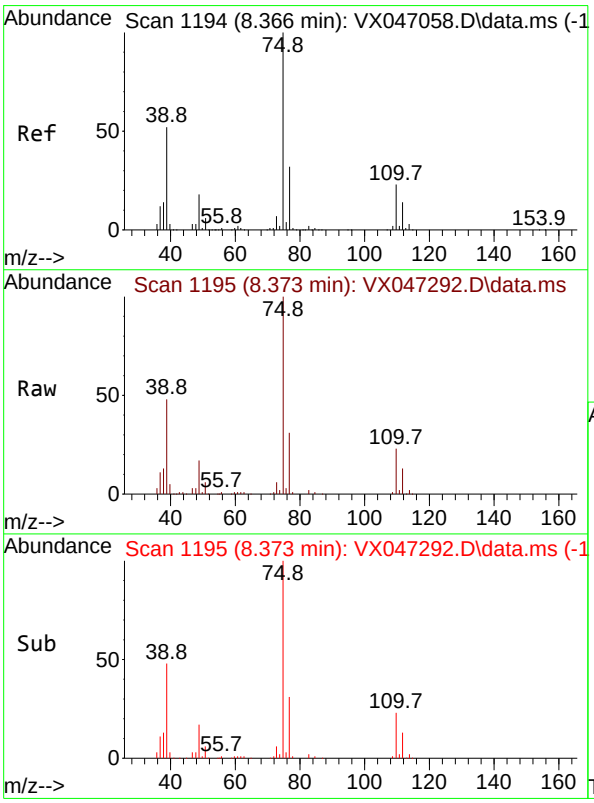
#53
t-1,3-Dichloropropene
Concen: 18.232 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 75 Resp: 77861

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.5	36.7

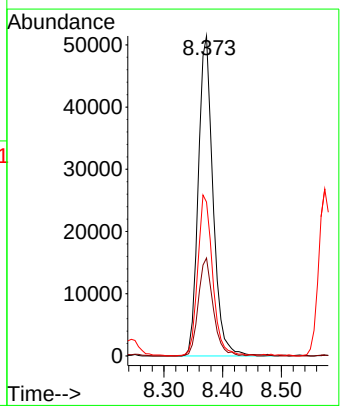


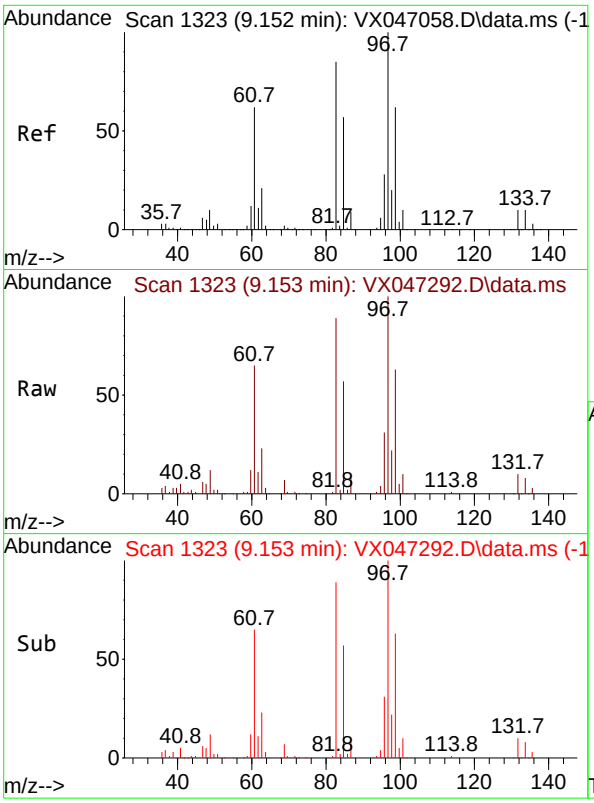


#54
cis-1,3-Dichloropropene
Concen: 19.154 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 75 Resp: 89524

Ion	Ratio	Lower	Upper
75	100		
77	30.6	25.4	38.0
39	48.0	41.8	62.6



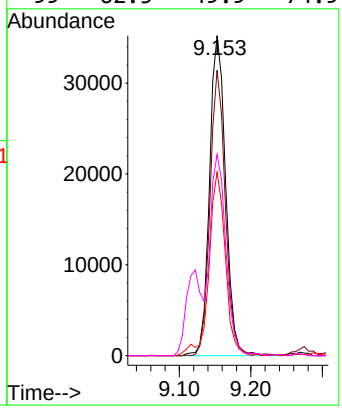


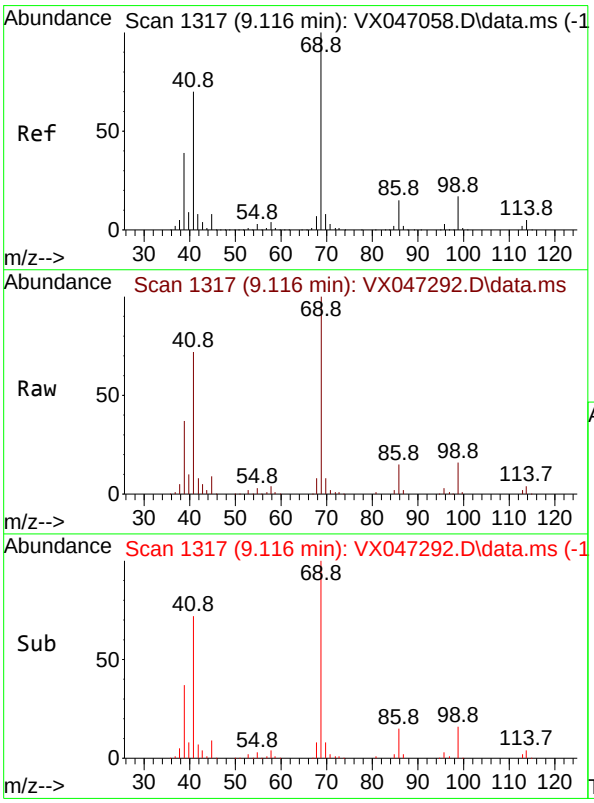
#55
1,1,2-Trichloroethane
Concen: 19.748 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 97 Resp: 55086

Ion	Ratio	Lower	Upper
97	100		
83	89.2	68.0	102.0
85	57.1	45.2	67.8
99	62.5	49.9	74.9

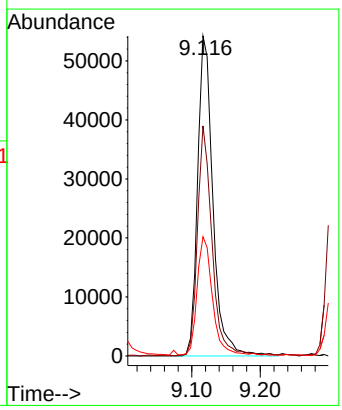


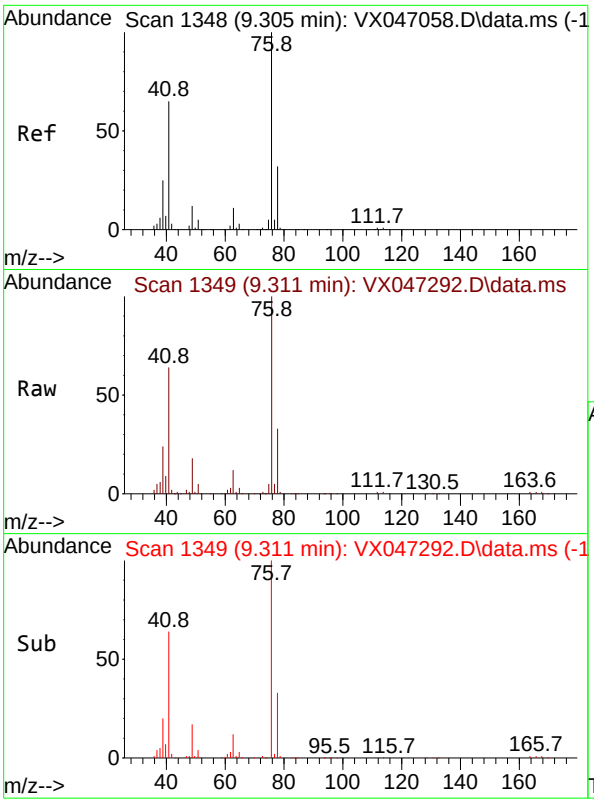


#56
Ethyl methacrylate
Concen: 20.440 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 69 Resp: 84408

Ion	Ratio	Lower	Upper
69	100		
41	67.8	56.1	84.1
39	37.3	31.1	46.7



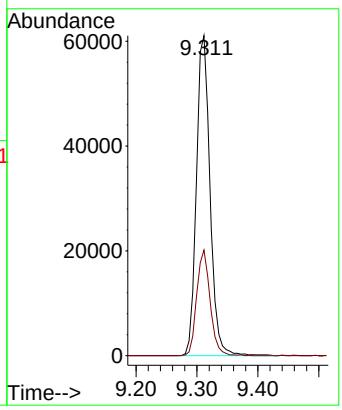


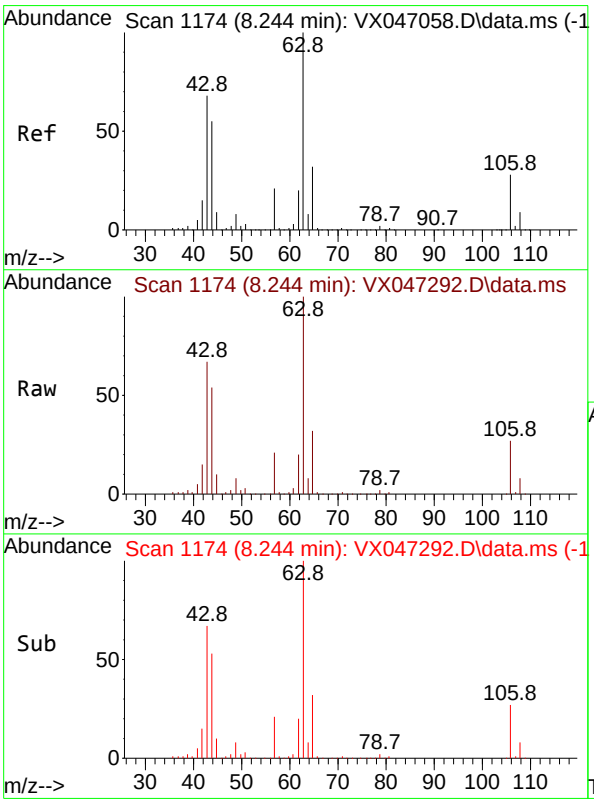
#57
1,3-Dichloropropane
Concen: 19.566 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 76 Resp: 94858

Ion	Ratio	Lower	Upper
76	100		
78	32.5	25.5	38.3

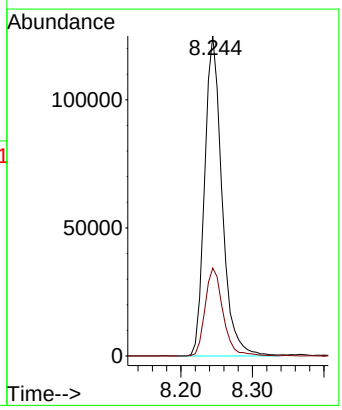


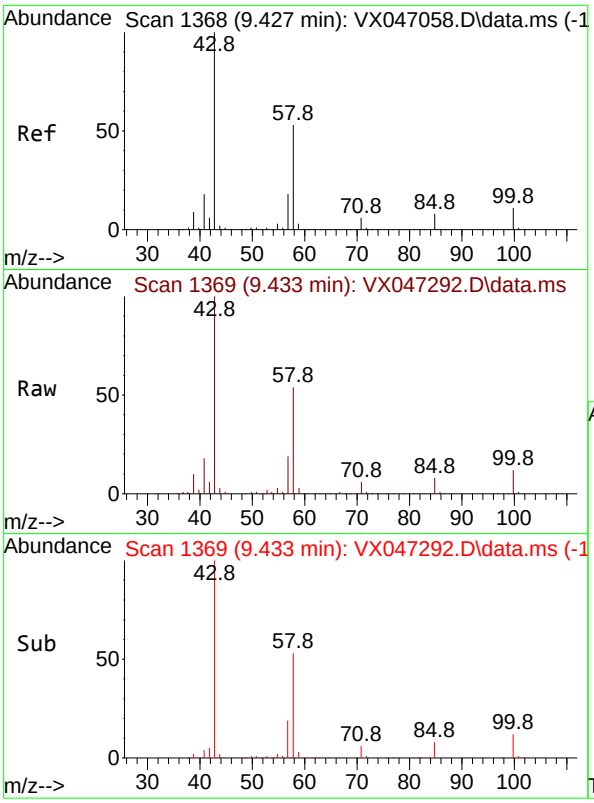


#58
2-Chloroethyl Vinyl ether
Concen: 91.734 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 63 Resp: 210805

Ion	Ratio	Lower	Upper
63	100		
106	28.2	22.2	33.4



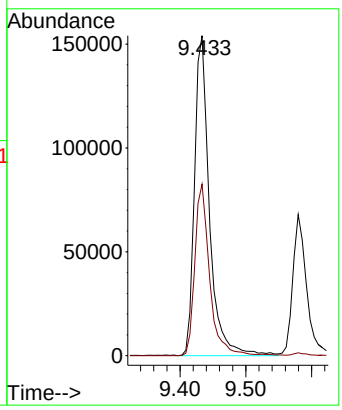


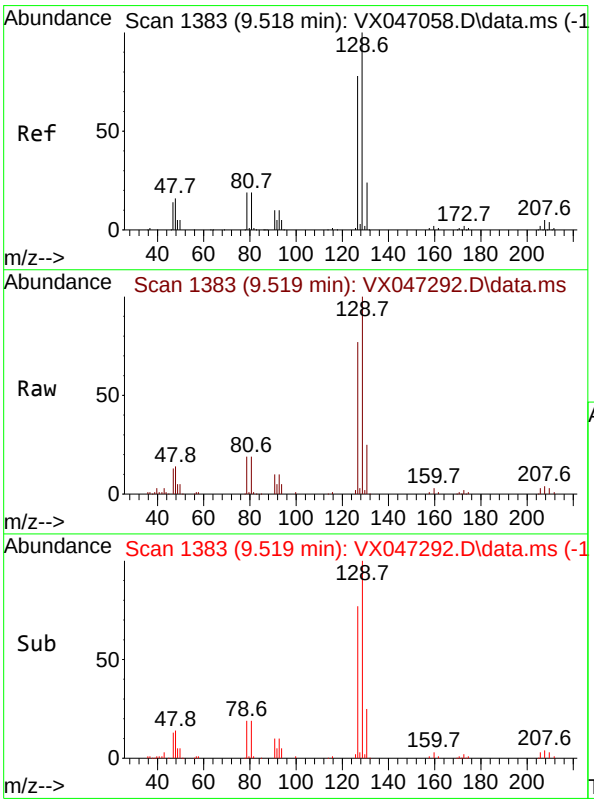
#59
2-Hexanone
Concen: 103.045 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 43 Resp: 242985

Ion	Ratio	Lower	Upper
43	100		
58	53.4	26.5	79.5

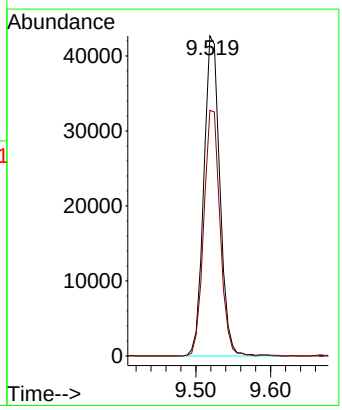


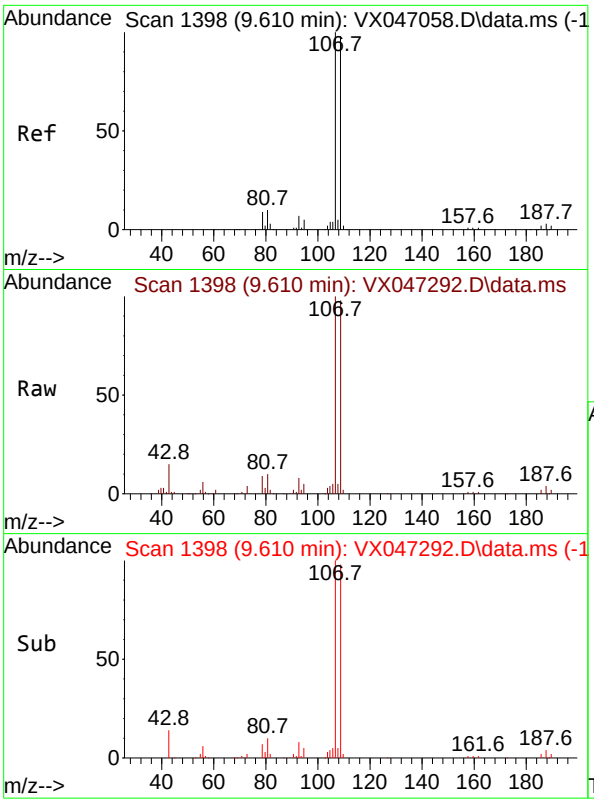


#60
Dibromochloromethane
Concen: 19.459 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:129 Resp: 63662

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8



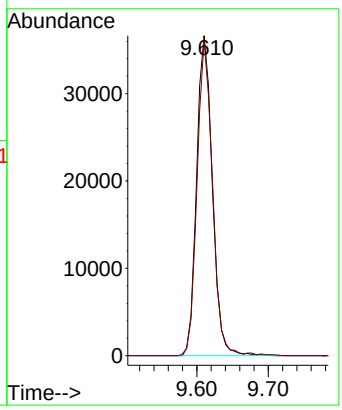


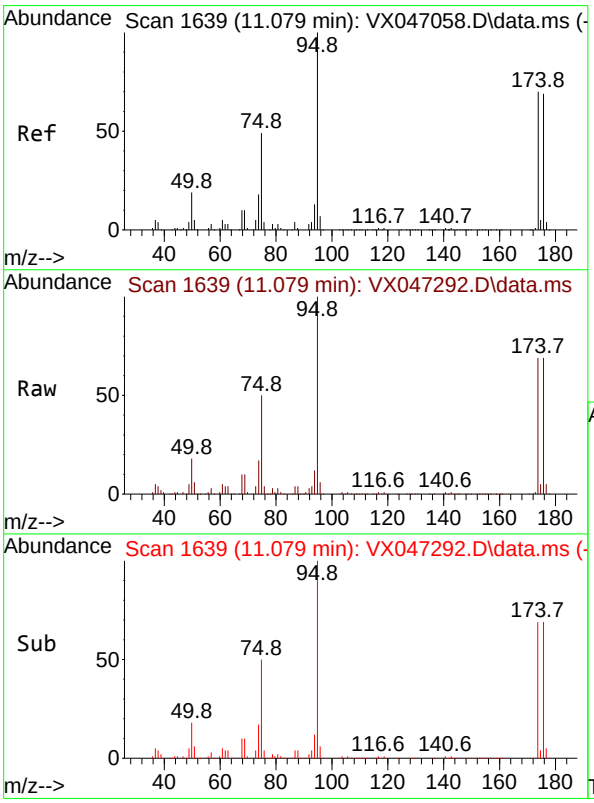
#61
1,2-Dibromoethane
Concen: 19.182 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:107 Resp: 55950

Ion	Ratio	Lower	Upper
107	100		
109	96.2	74.6	112.0

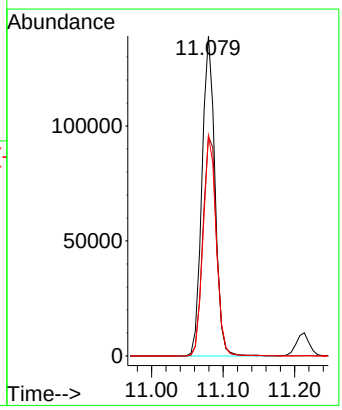


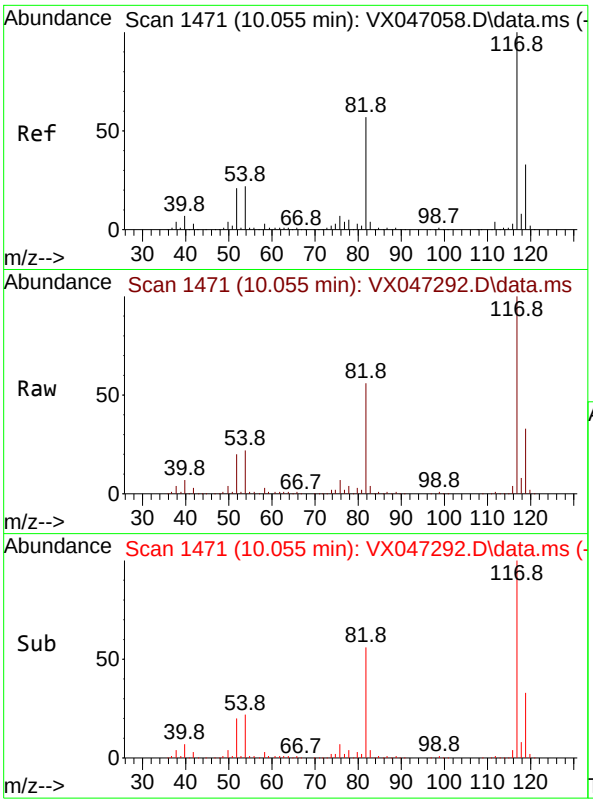


#62
4-Bromofluorobenzene
Concen: 51.287 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 95 Resp: 175522

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	144.6
176	69.7	0.0	139.6



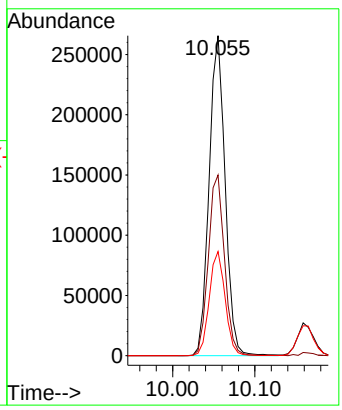


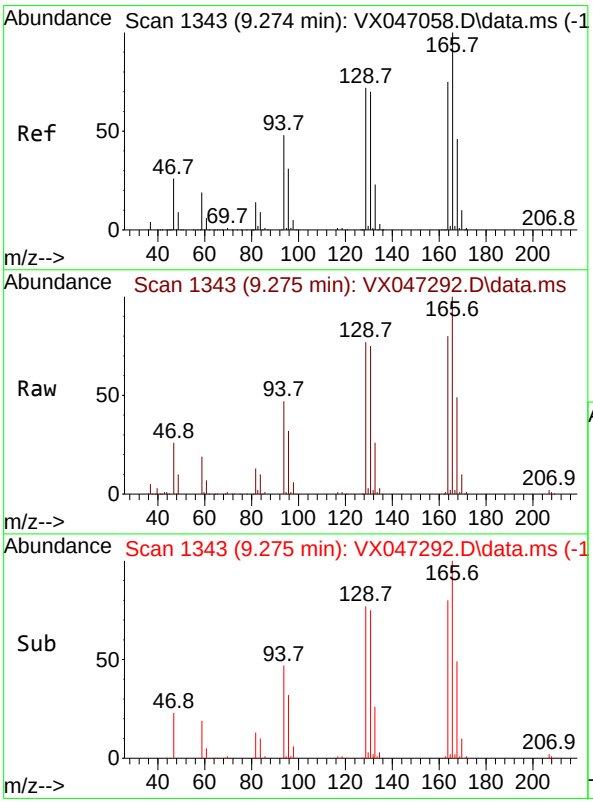
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:117 Resp: 359769

Ion	Ratio	Lower	Upper
117	100		
82	56.4	45.4	68.2
119	32.6	26.1	39.1

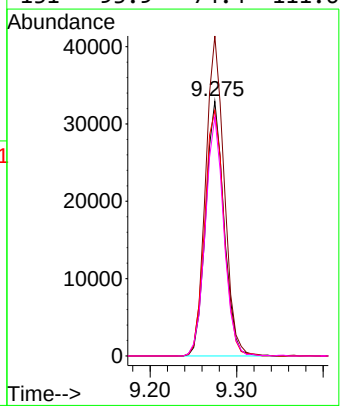


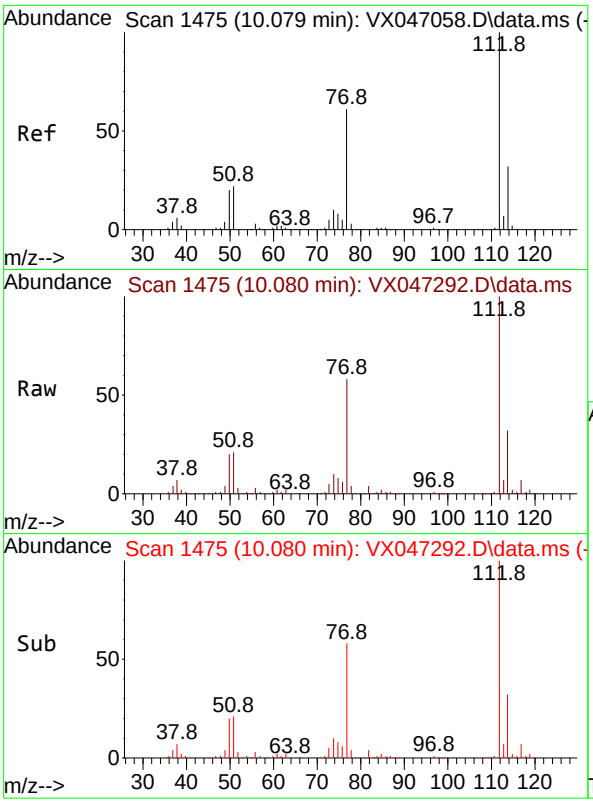


#64
Tetrachloroethene
Concen: 18.671 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:164 Resp: 48424

Ion	Ratio	Lower	Upper
164	100		
166	125.7	106.2	159.4
129	96.4	76.6	114.8
131	93.9	74.4	111.6



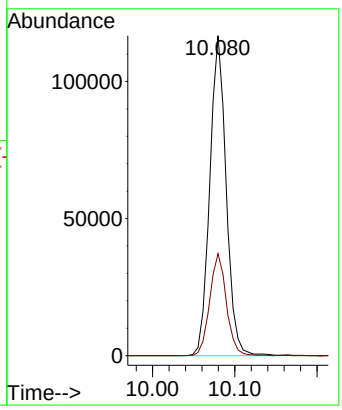


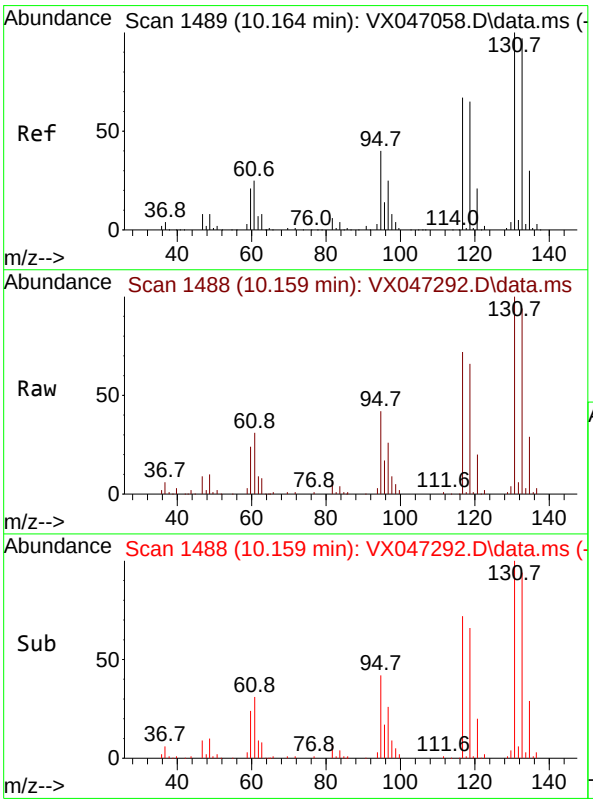
#65
Chlorobenzene
Concen: 19.207 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:112 Resp: 161881

Ion	Ratio	Lower	Upper
112	100		
114	31.9	25.8	38.6

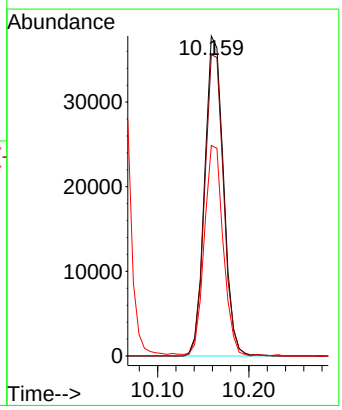


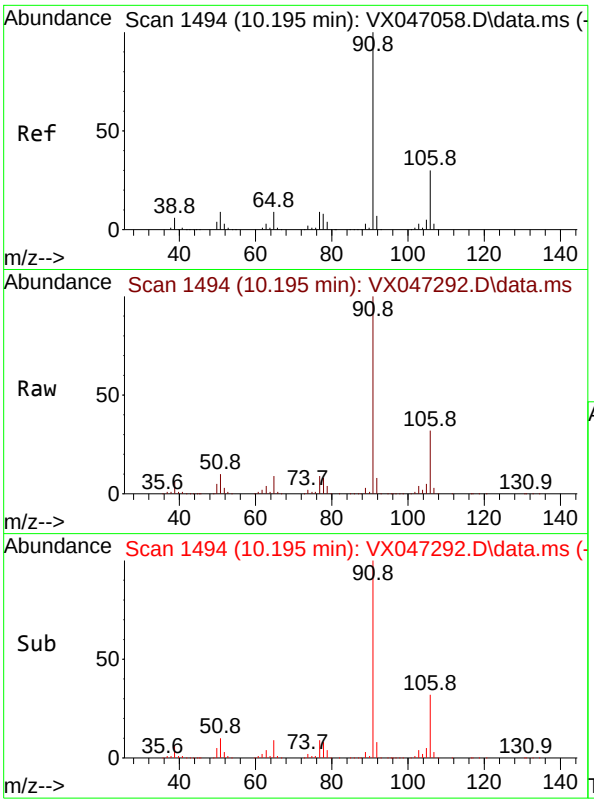


#66
1,1,1,2-Tetrachloroethane
Concen: 19.114 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:131 Resp: 54239

Ion	Ratio	Lower	Upper
131	100		
133	94.8	48.4	145.3
119	66.1	32.4	97.0



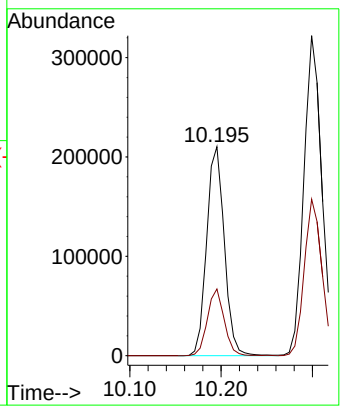


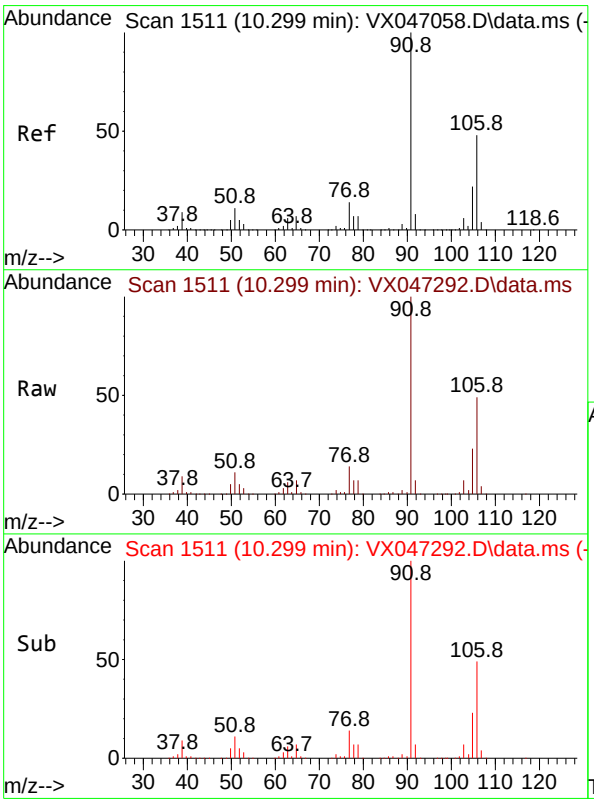
#67
Ethyl Benzene
Concen: 19.147 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 91 Resp: 282159

Ion	Ratio	Lower	Upper
91	100		
106	32.0	24.2	36.4

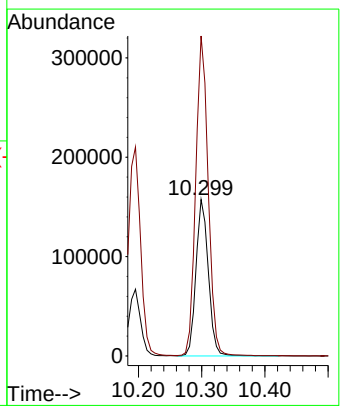


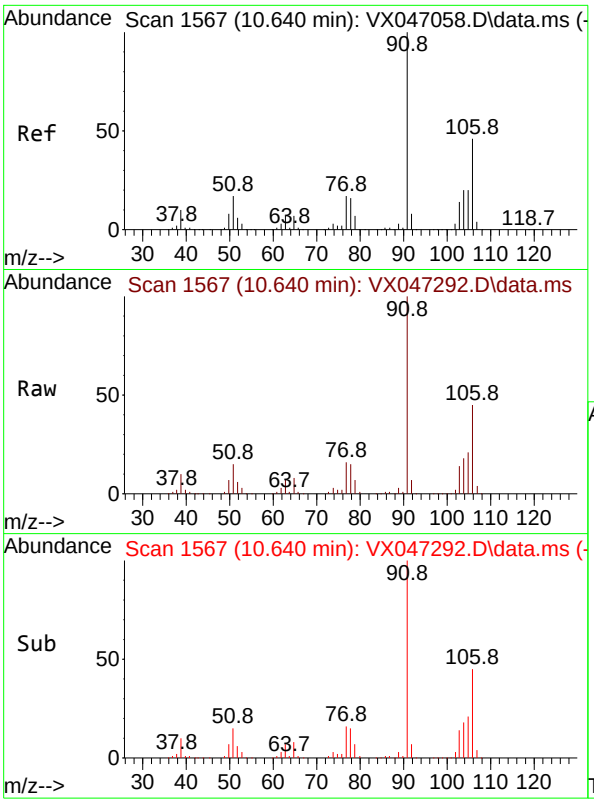


#68
m/p-Xylenes
Concen: 38.871 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:106 Resp: 214358

Ion	Ratio	Lower	Upper
106	100		
91	206.5	167.4	251.0



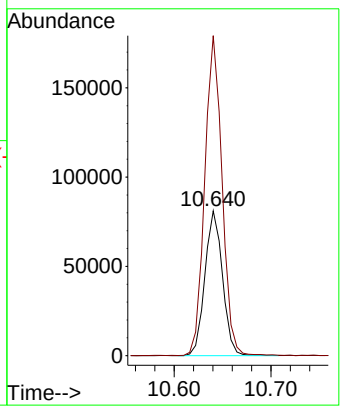


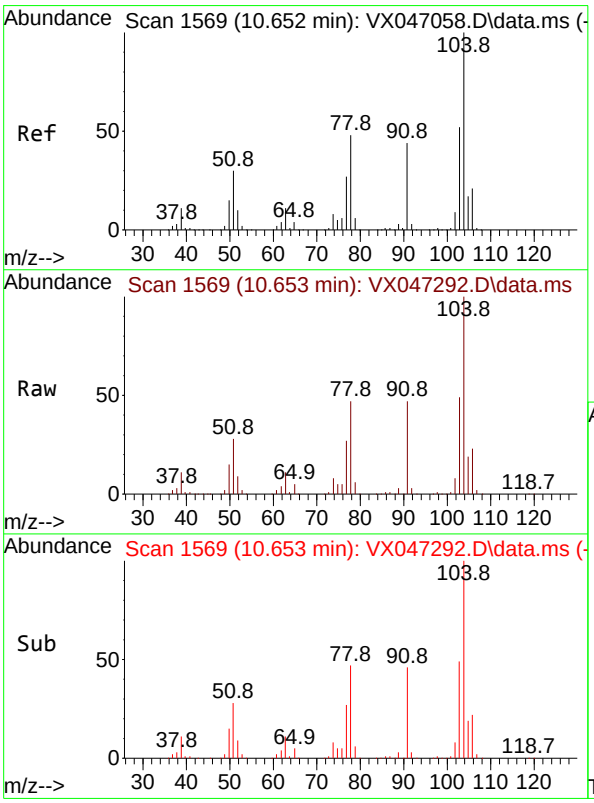
#69
o-Xylene
Concen: 19.606 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:106 Resp: 102856

Ion	Ratio	Lower	Upper
106	100		
91	217.8	110.3	331.0

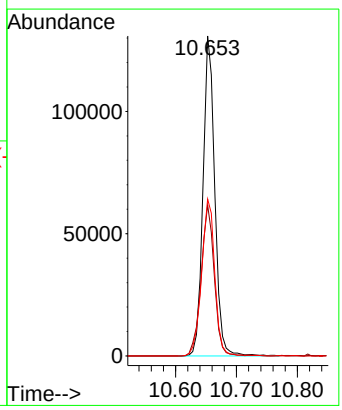


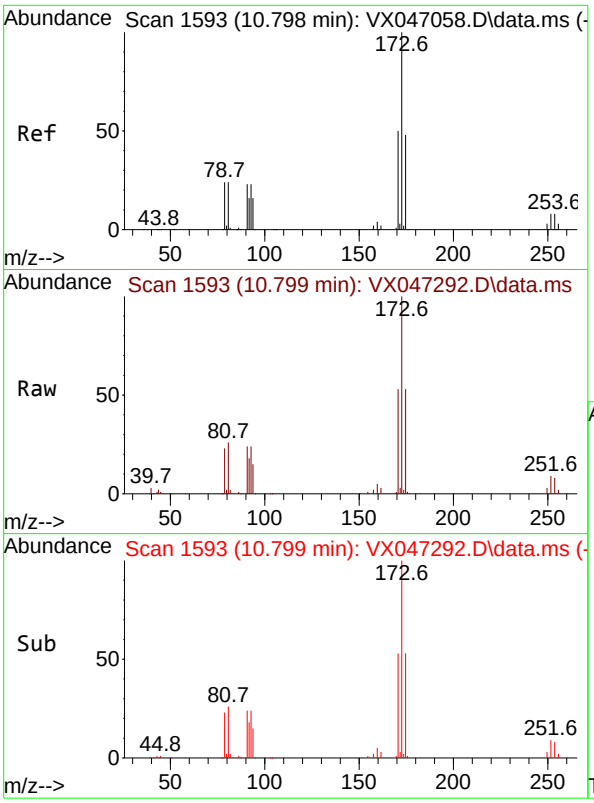


#70
Styrene
Concen: 19.570 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:104 Resp: 176051

Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.0	63.0
103	54.9	43.8	65.6



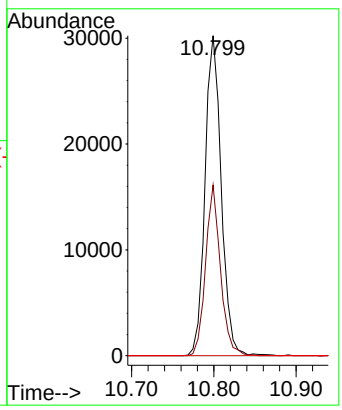


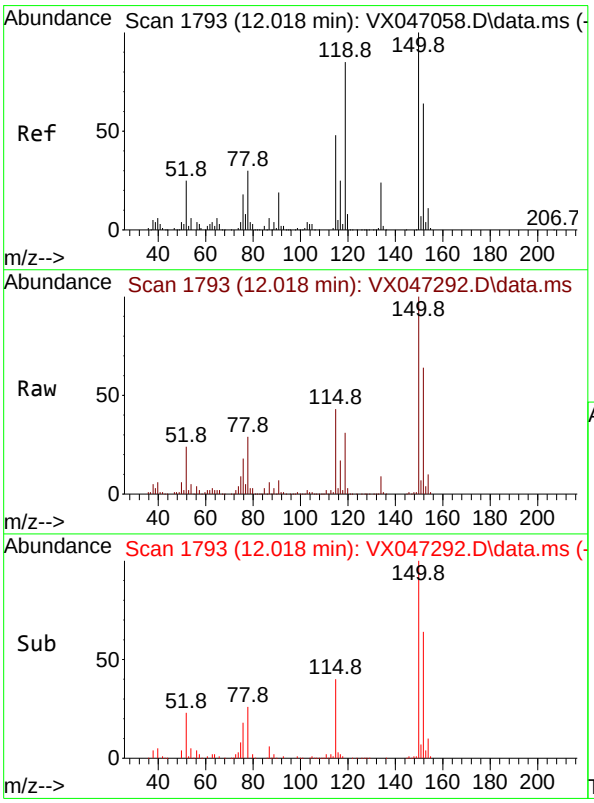
#71
Bromoform
Concen: 19.216 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:173 Resp: 41420

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.2	72.6
254	0.0	0.1	0.1#

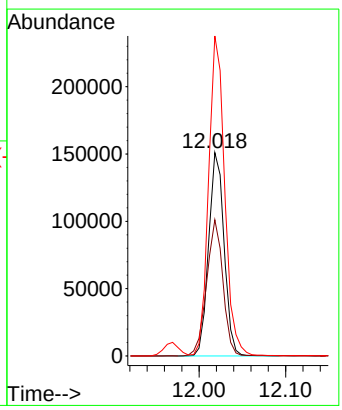


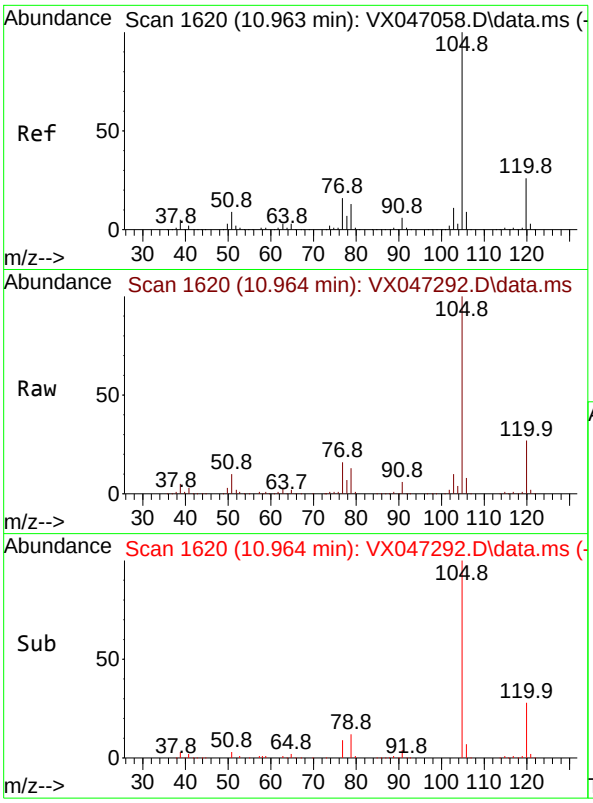


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:152 Resp: 187721

Ion	Ratio	Lower	Upper
152	100		
115	70.6	45.6	136.7
150	163.0	0.0	354.6



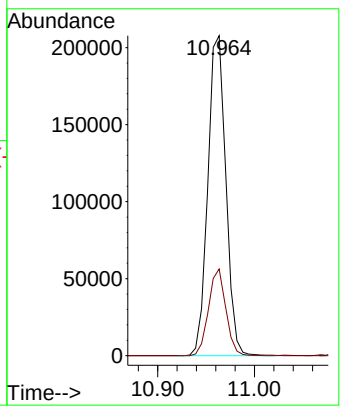


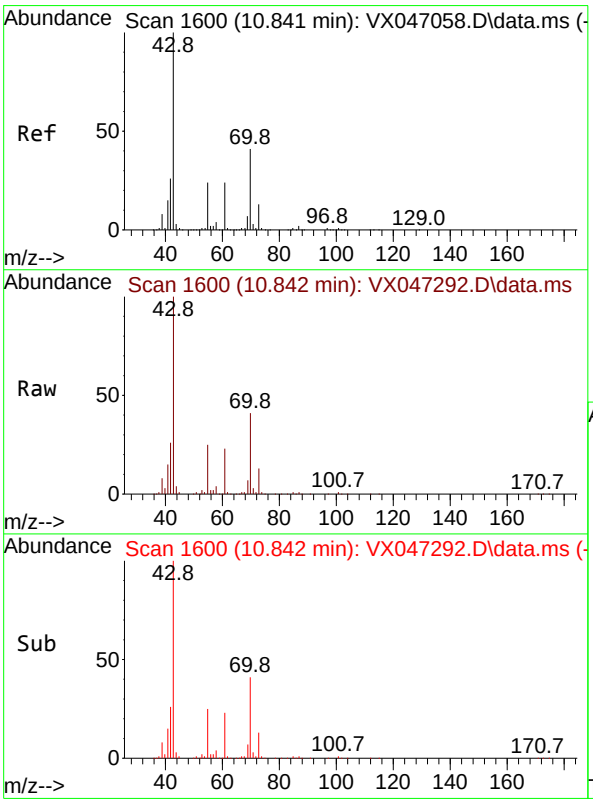
#73
Isopropylbenzene
Concen: 18.177 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:105 Resp: 269200

Ion	Ratio	Lower	Upper
105	100		
120	26.1	12.9	38.7

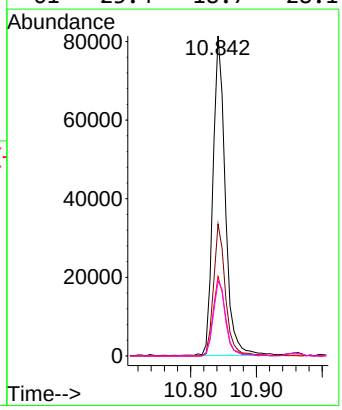


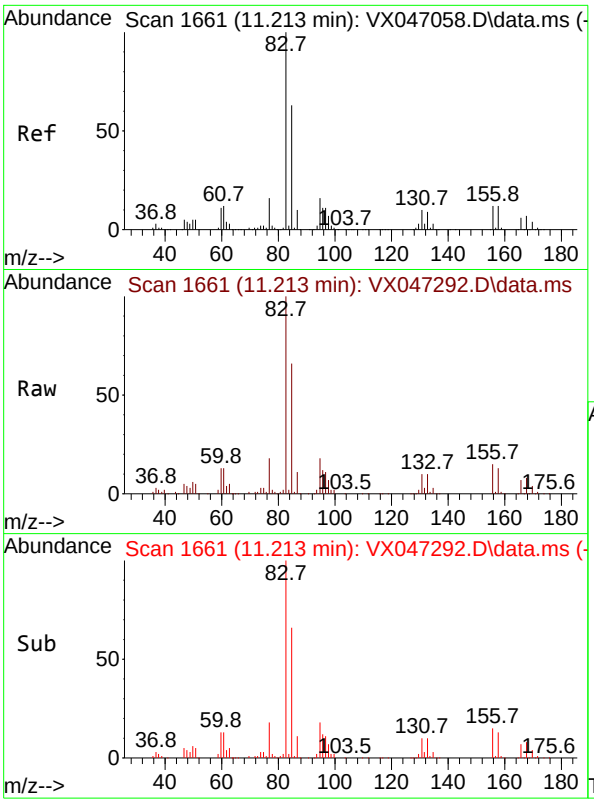


#74
N-amyl acetate
Concen: 17.783 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 43 Resp: 106264

Ion	Ratio	Lower	Upper
43	100		
70	39.9	32.3	48.5
55	25.0	18.9	28.3
61	23.4	18.7	28.1



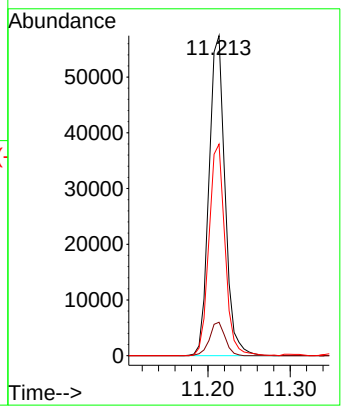


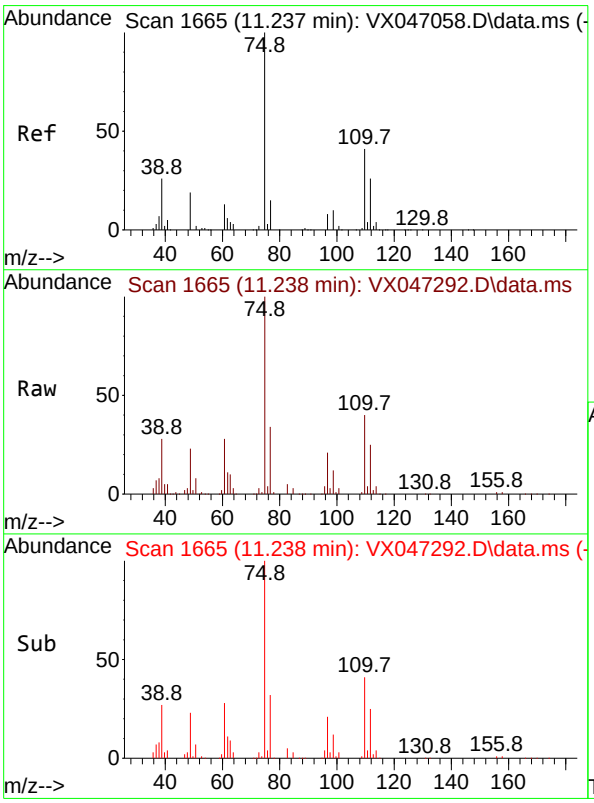
#75
1,1,2,2-Tetrachloroethane
Concen: 18.397 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 83 Resp: 77828

Ion	Ratio	Lower	Upper
83	100		
131	10.2	5.0	14.9
85	66.0	32.0	96.2

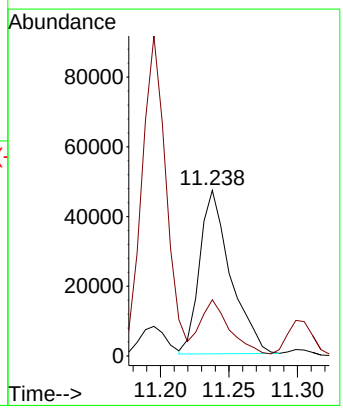


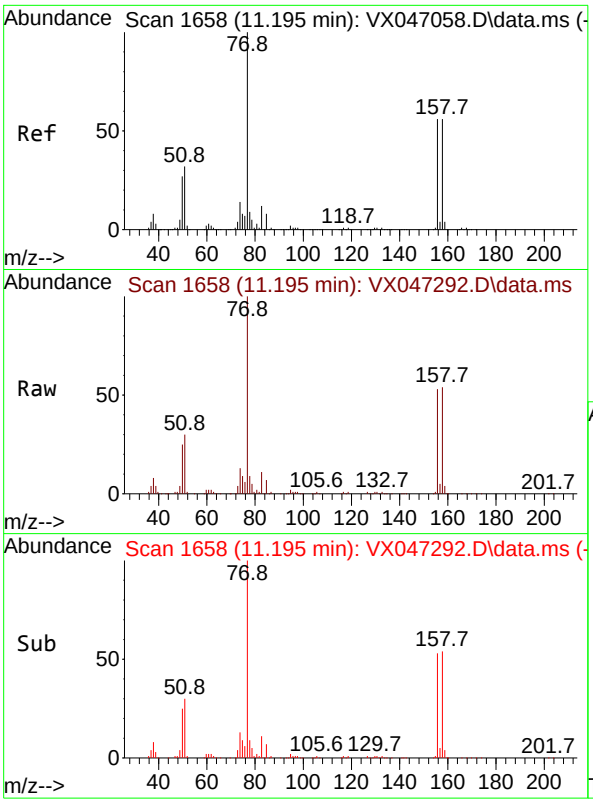


#76
1,2,3-Trichloropropane
Concen: 21.196 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 75 Resp: 73649

Ion	Ratio	Lower	Upper
75	100		
77	33.2	21.6	65.0



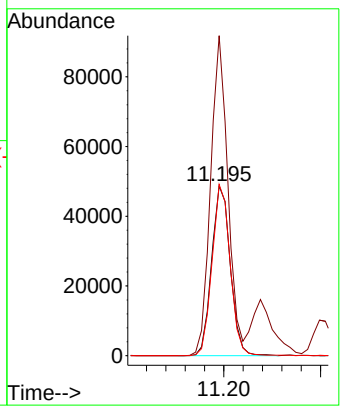


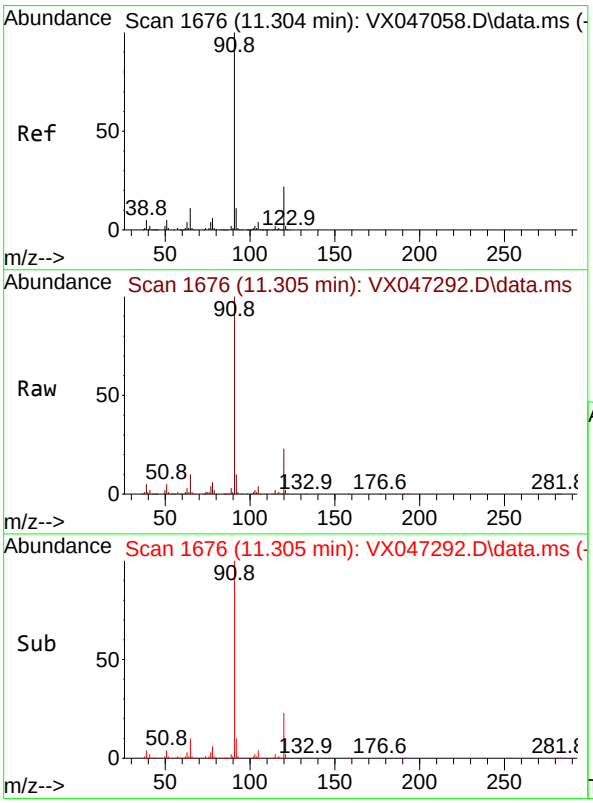
#77
Bromobenzene
Concen: 18.290 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:156 Resp: 64972

Ion	Ratio	Lower	Upper
156	100		
77	174.3	87.3	261.9
158	98.0	48.9	146.6

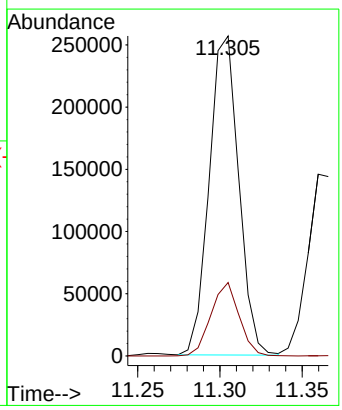


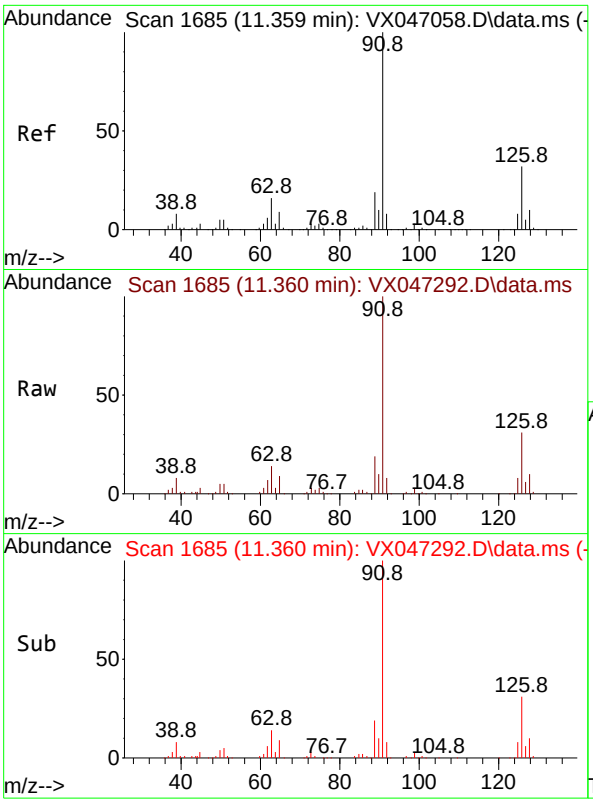


#78
n-propylbenzene
Concen: 18.125 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 91 Resp: 320780

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.0	33.0



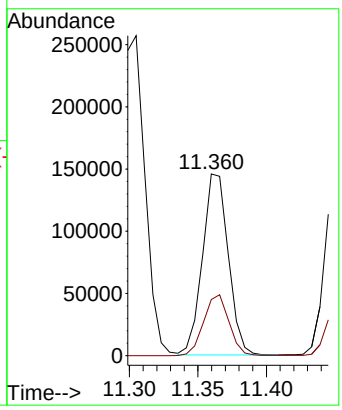


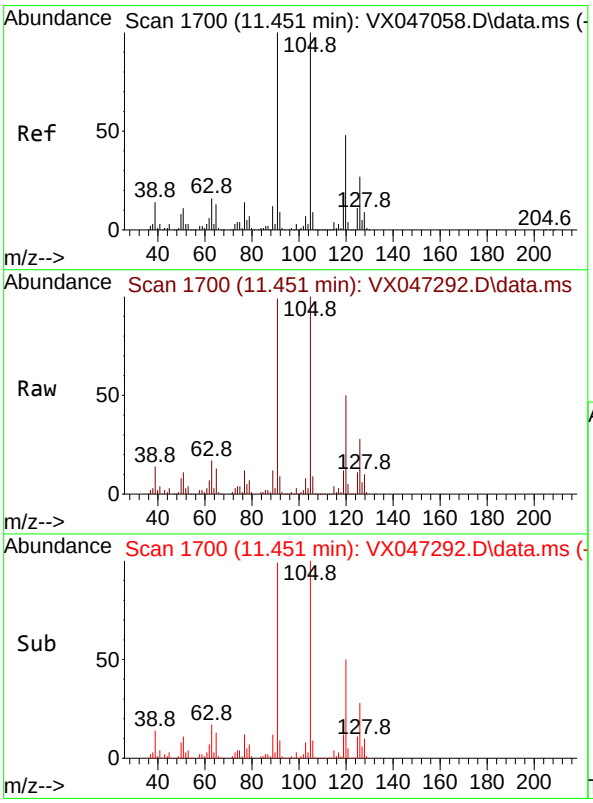
#79
2-Chlorotoluene
Concen: 18.037 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 91 Resp: 190819

Ion	Ratio	Lower	Upper
91	100		
126	33.1	16.4	49.4

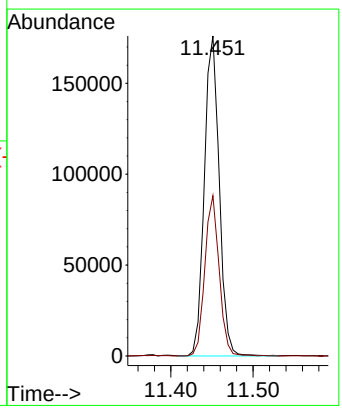


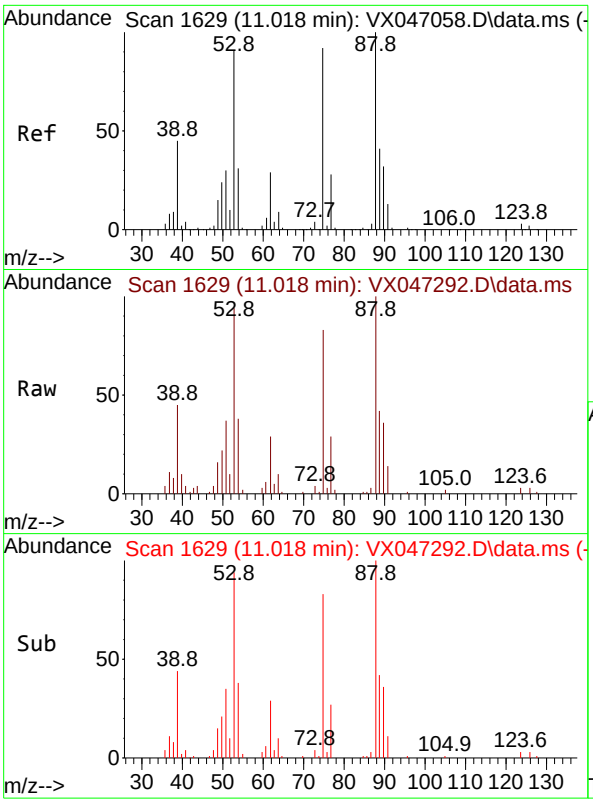


#80
1,3,5-Trimethylbenzene
Concen: 18.133 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:105 Resp: 221860

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.8	71.5



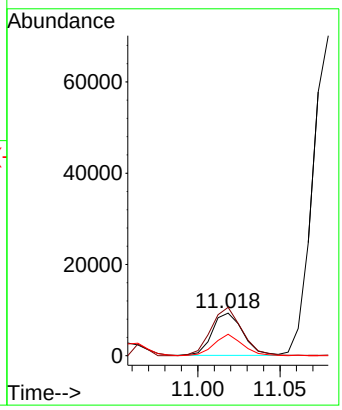


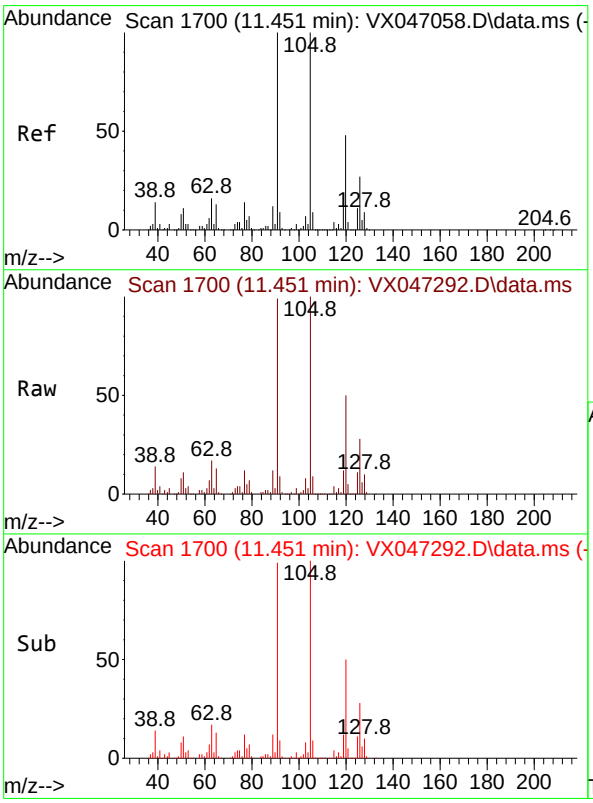
#81
trans-1,4-Dichloro-2-butene
Concen: 8.952 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 75 Resp: 12073

Ion	Ratio	Lower	Upper
75	100		
53	115.6	84.2	126.4
89	47.1	36.0	54.0

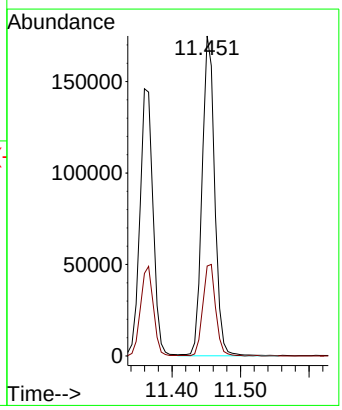


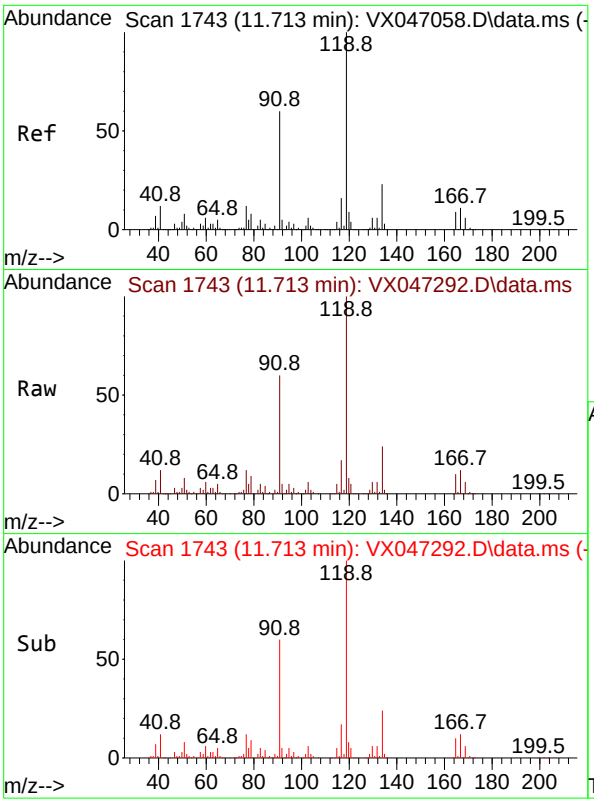


#82
4-Chlorotoluene
Concen: 18.136 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 91 Resp: 223949

Ion	Ratio	Lower	Upper
91	100		
126	29.2	14.1	42.3



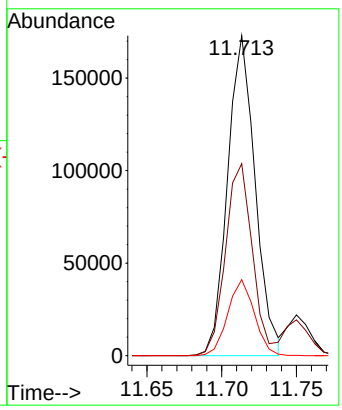


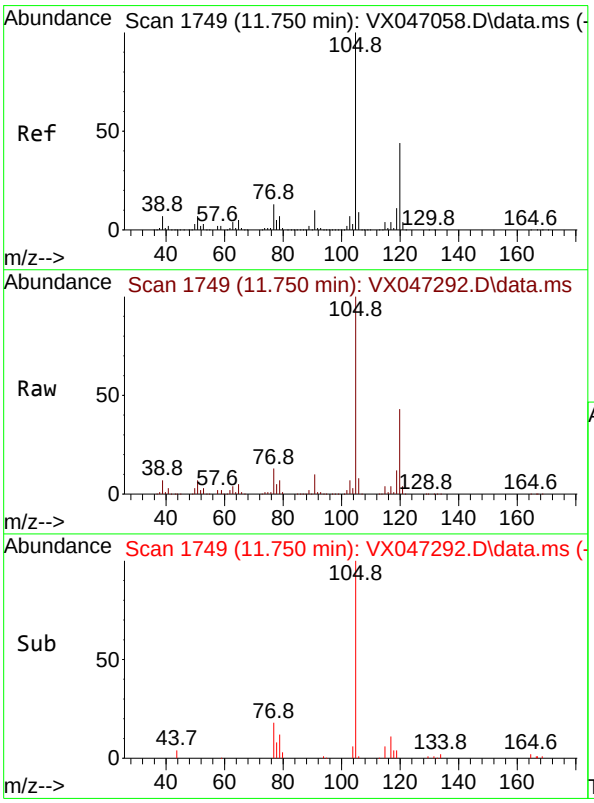
#83
tert-Butylbenzene
Concen: 18.105 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:119 Resp: 222333

Ion	Ratio	Lower	Upper
119	100		
91	57.8	29.6	88.8
134	22.9	11.4	34.1

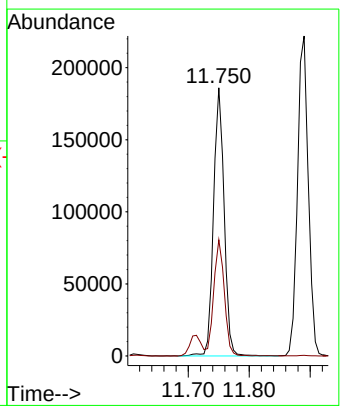


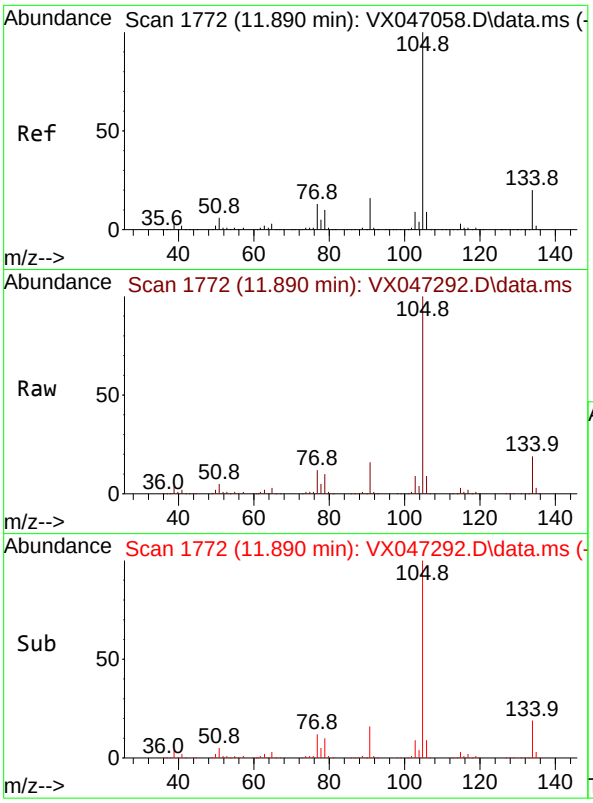


#84
1,2,4-Trimethylbenzene
Concen: 18.442 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:105 Resp: 225067

Ion	Ratio	Lower	Upper
105	100		
120	43.0	22.0	66.0



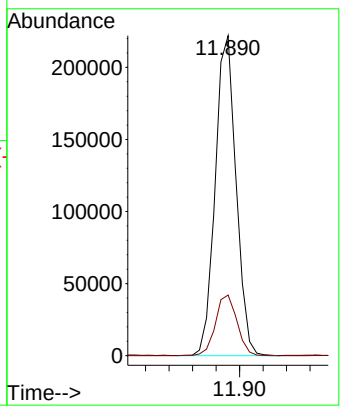


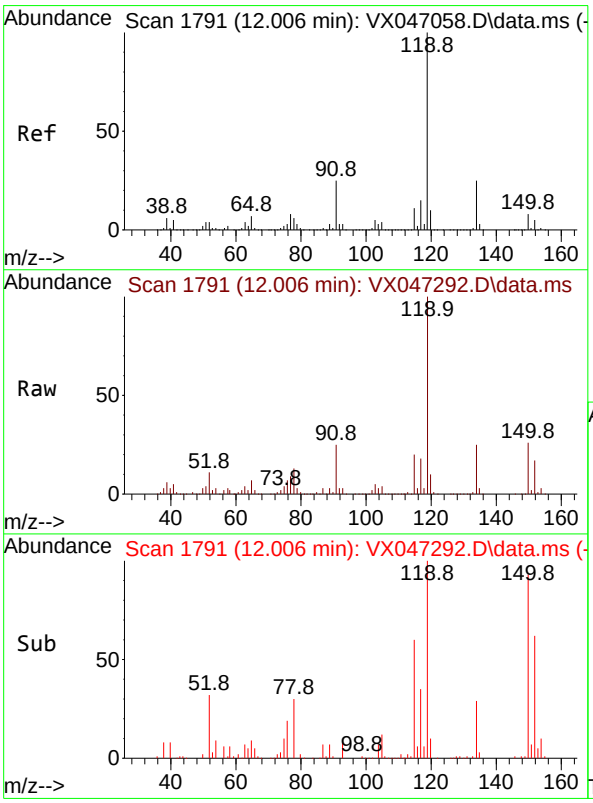
#85
sec-Butylbenzene
Concen: 17.848 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:105 Resp: 273858

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7

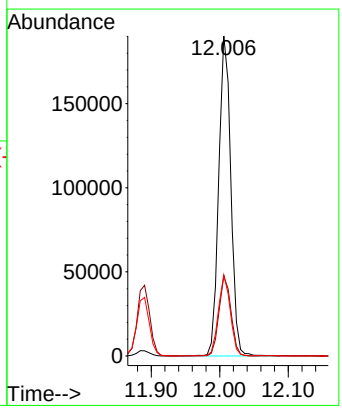


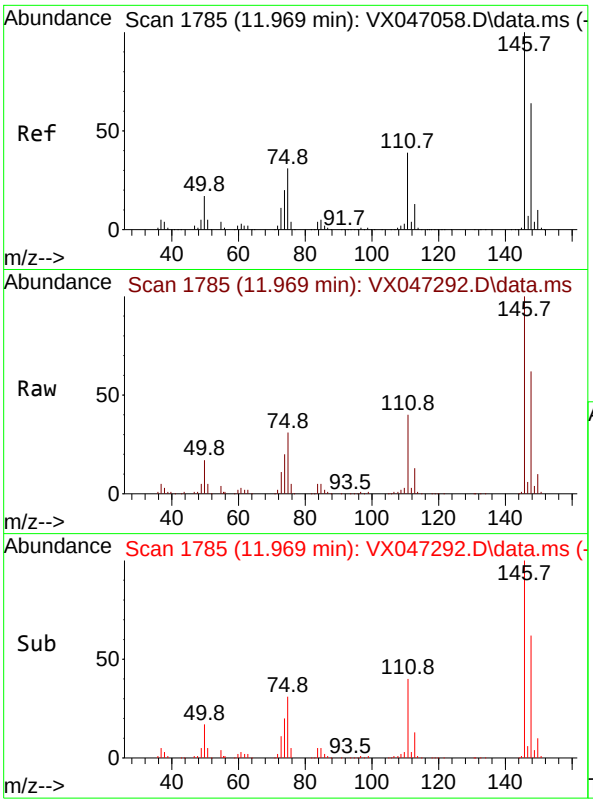


#86
p-Isopropyltoluene
Concen: 18.173 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:119 Resp: 231241

Ion	Ratio	Lower	Upper
119	100		
134	24.9	12.8	38.4
91	24.9	12.4	37.4



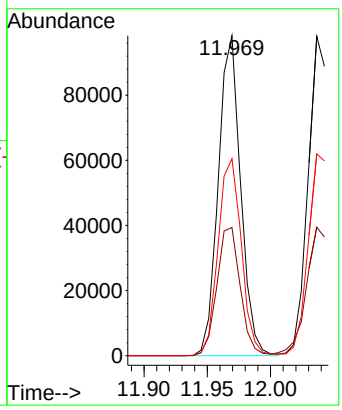


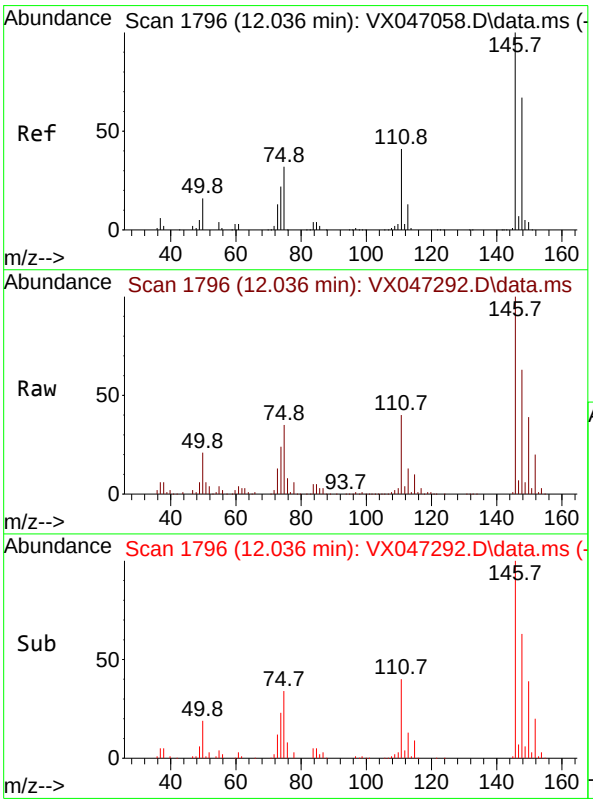
#87
1,3-Dichlorobenzene
Concen: 17.906 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:146 Resp: 120856

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	64.1	32.0	96.0

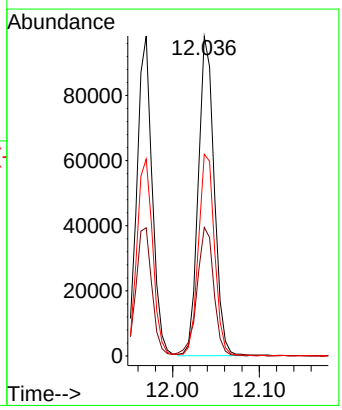


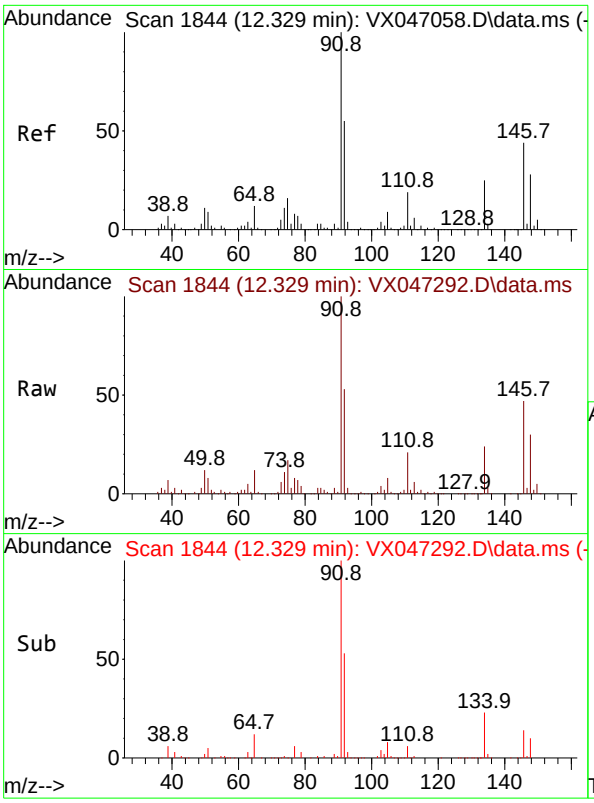


#88
1,4-Dichlorobenzene
Concen: 18.297 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:146 Resp: 125121

Ion	Ratio	Lower	Upper
146	100		
111	42.5	20.6	61.9
148	64.5	33.0	98.9



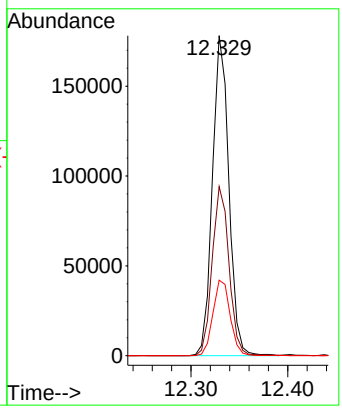


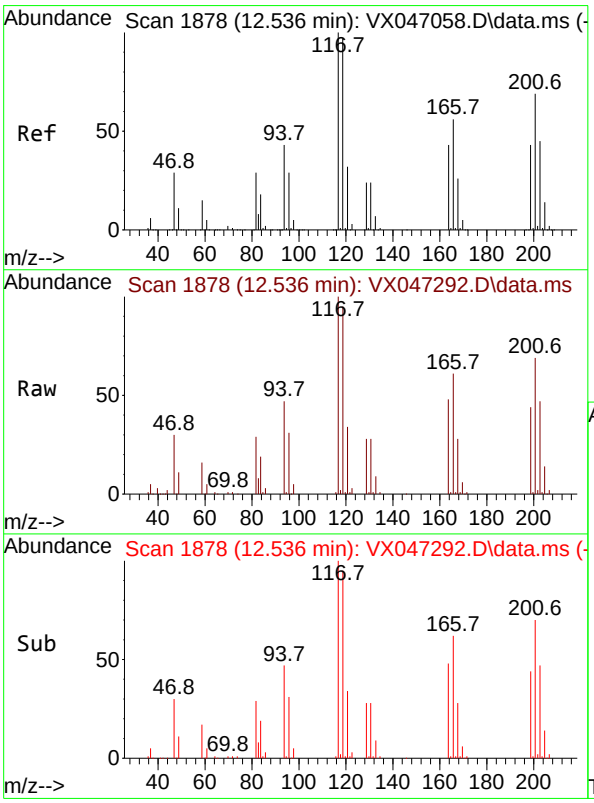
#89
n-Butylbenzene
Concen: 17.589 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion: 91 Resp: 209890

Ion	Ratio	Lower	Upper
91	100		
92	54.3	27.5	82.5
134	24.9	12.8	38.3

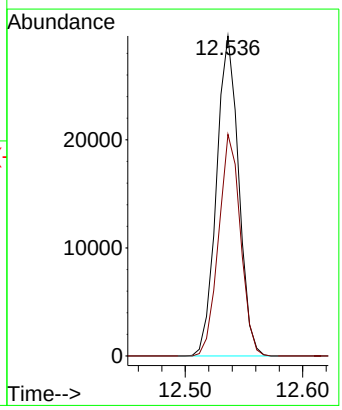


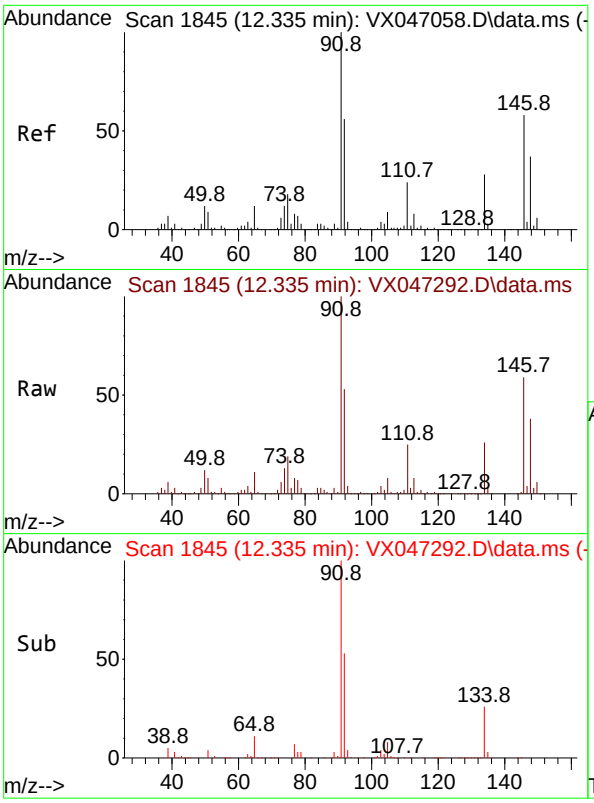


#90
Hexachloroethane
Concen: 17.058 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:117 Resp: 38830

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.8	104.5



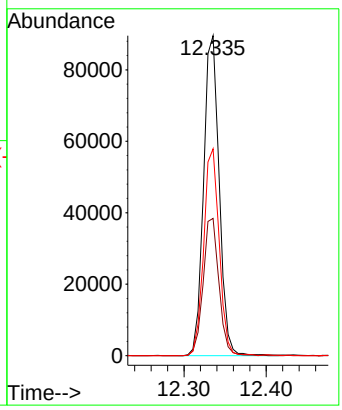


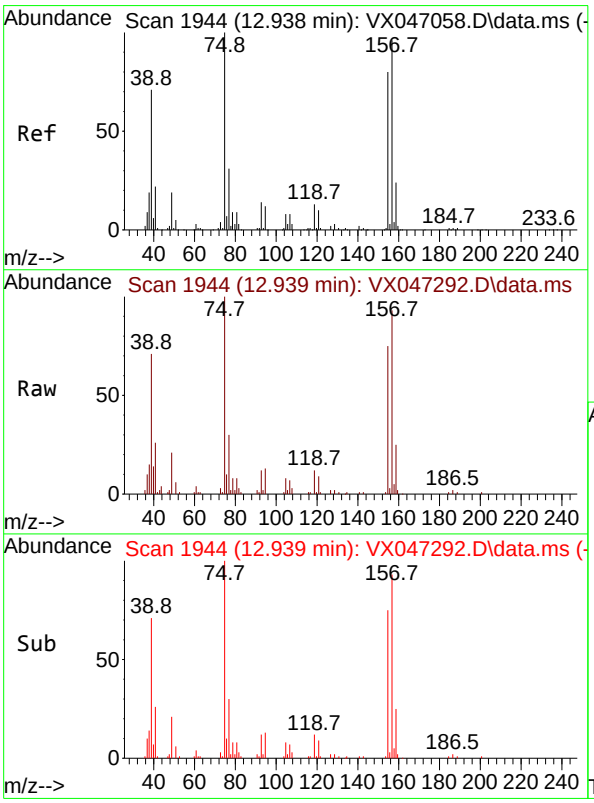
#91
1,2-Dichlorobenzene
Concen: 18.287 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:146 Resp: 117969

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	64.2	31.9	95.7

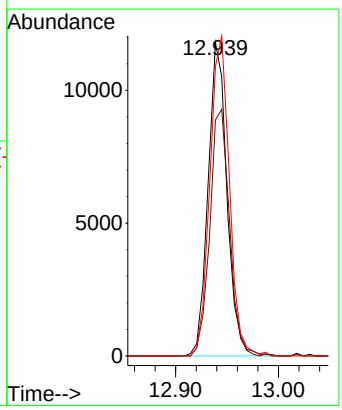


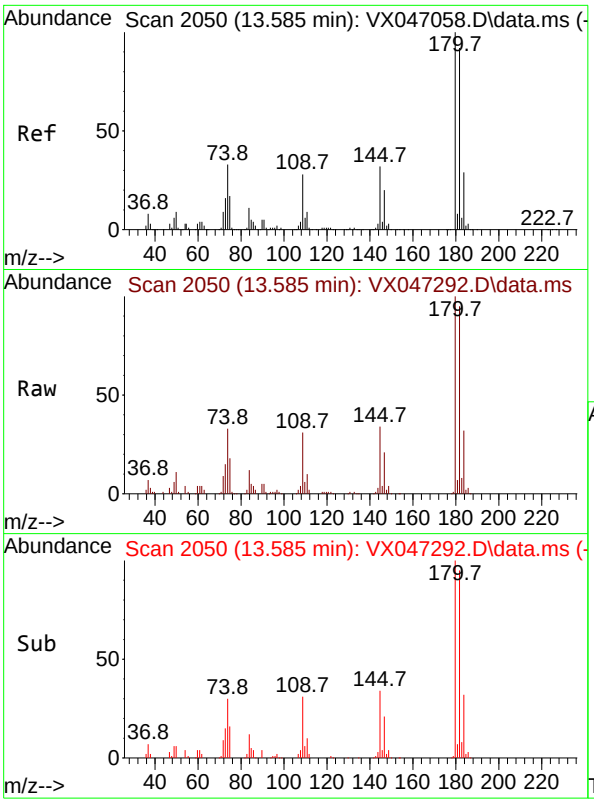


#92
1,2-Dibromo-3-Chloropropane
Concen: 18.596 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion: 75 Resp: 15101

Ion	Ratio	Lower	Upper
75	100		
155	81.0	41.3	124.1
157	104.9	52.8	158.3



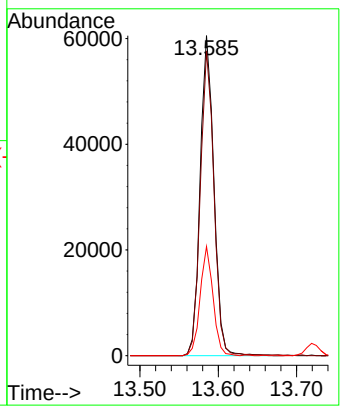


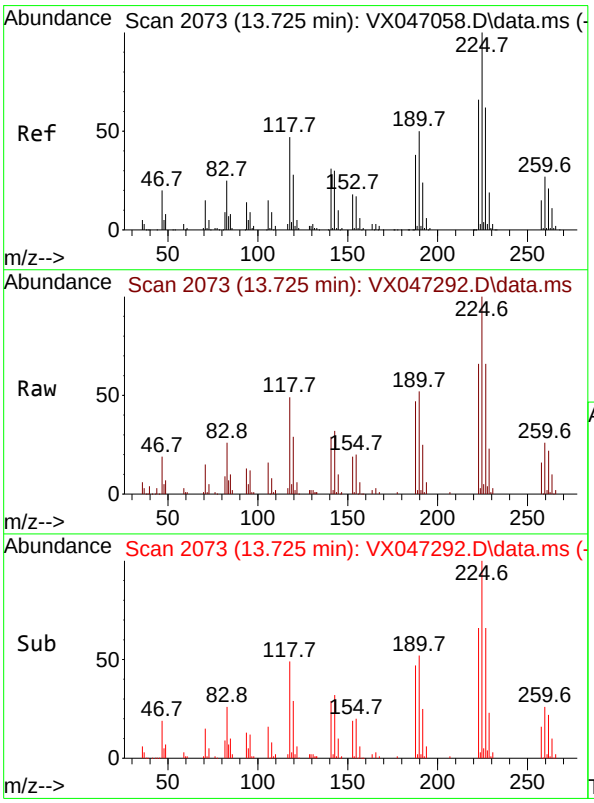
#93
1,2,4-Trichlorobenzene
Concen: 17.256 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:180 Resp: 73546

Ion	Ratio	Lower	Upper
180	100		
182	94.5	47.3	141.8
145	32.1	16.4	49.1

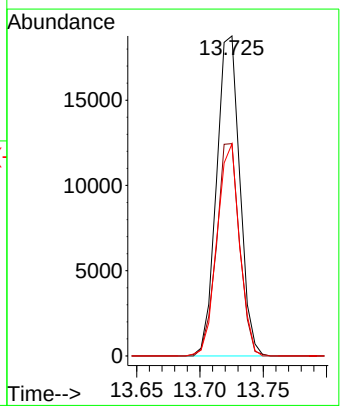


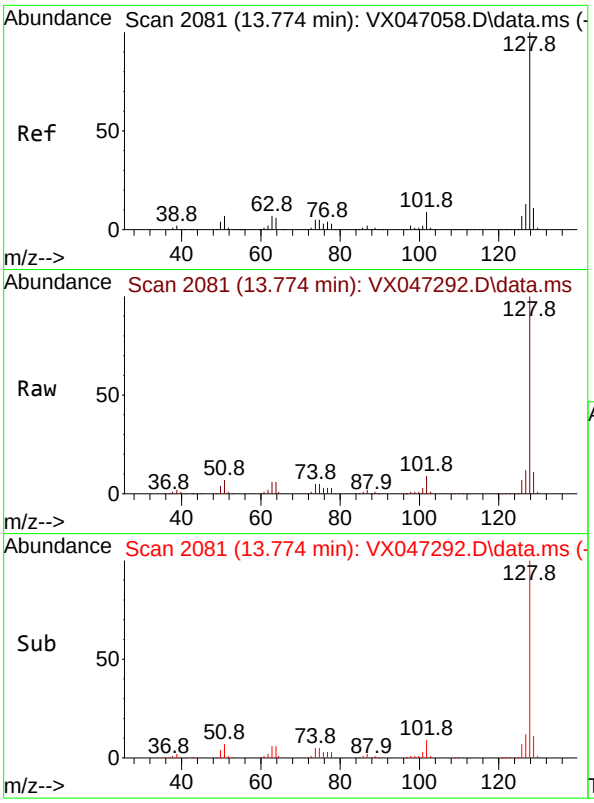


#94
Hexachlorobutadiene
Concen: 16.491 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:225 Resp: 23903

Ion	Ratio	Lower	Upper
225	100		
223	65.9	31.6	95.0
227	64.2	32.9	98.6



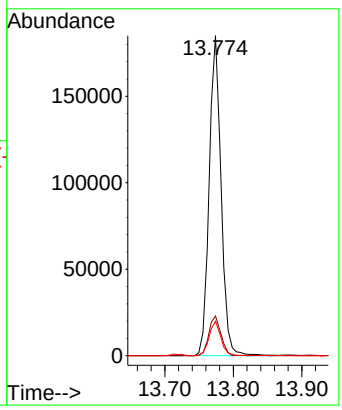


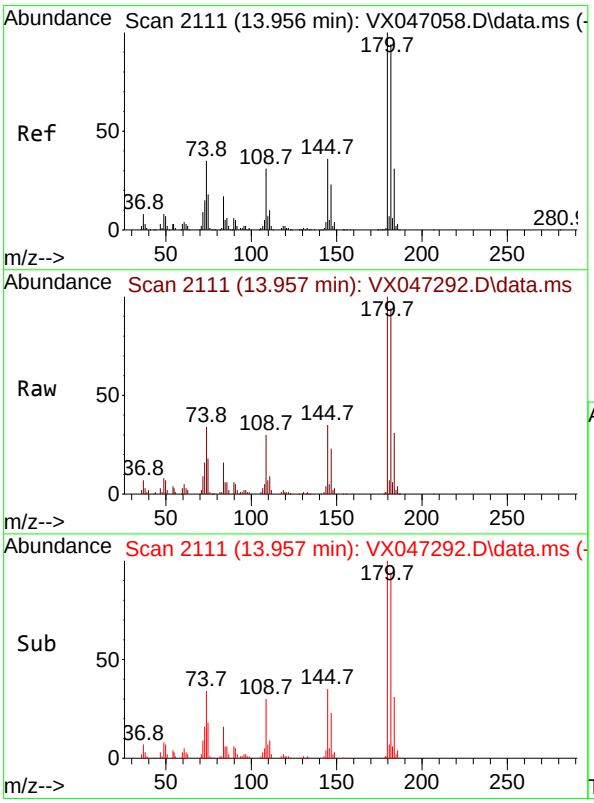
#95
Naphthalene
Concen: 17.877 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Instrument :
MSVOA_X
ClientSampleId :
VX0812WBSD01

Tgt Ion:128 Resp: 223364

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	10.7	8.6	13.0

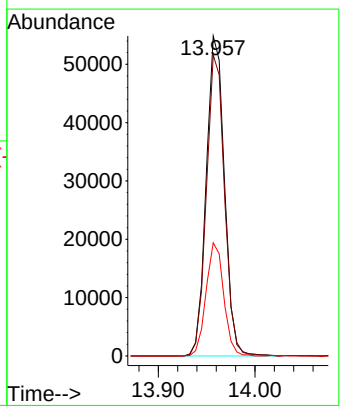




#96
1,2,3-Trichlorobenzene
Concen: 17.475 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047292.D
Acq: 12 Aug 2025 13:26

Tgt Ion:180 Resp: 71752

Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	34.4	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047298.D
Acq On : 12 Aug 2025 15:39
Operator : JC/MD
Sample : Q2814-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Quant Time: Aug 13 01:22:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

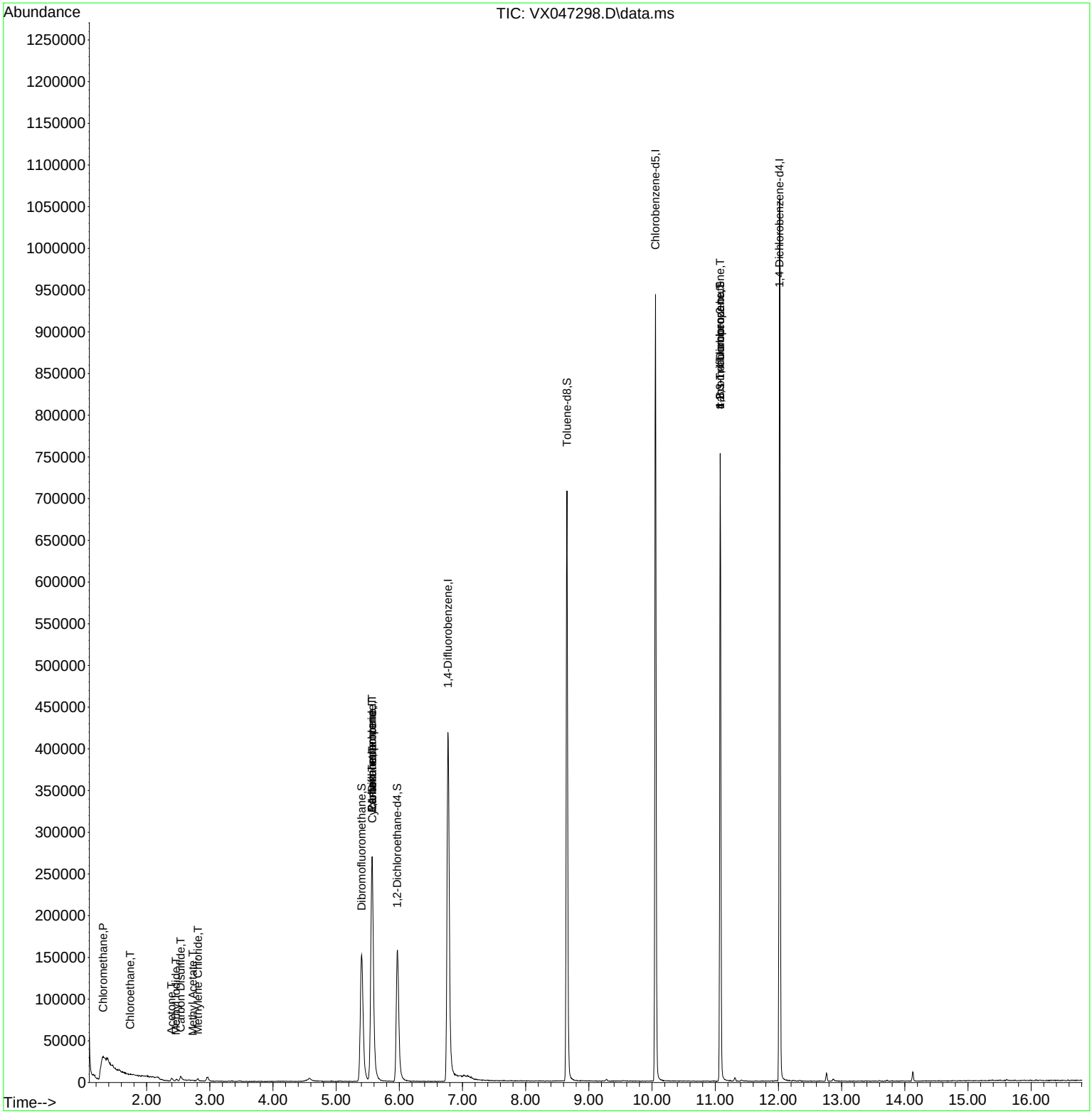
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	264975	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	454854	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	416219	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	208948	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	169133	51.241	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 102.480%			
35) Dibromofluoromethane	5.403	113	148918	53.026	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.060%			
50) Toluene-d8	8.653	98	416660	45.812	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 91.620%#			
62) 4-Bromofluorobenzene	11.079	95	204153	52.087	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 104.180%			
Target Compounds						Qvalue
3) Chloromethane	1.313	50	1391	0.400	ug/l	90
6) Chloroethane	1.739	64	1014	0.413	ug/l #	51
10) Methyl Iodide	2.465	142	2521	0.736	ug/l	95
11) Tert butyl alcohol	2.971	59	2427	Below Cal	#	72
16) Acetone	2.392	43	4005	3.029	ug/l	97
17) Carbon Disulfide	2.538	76	4853	0.504	ug/l #	76
18) Methyl Acetate	2.733	43	935	0.266	ug/l #	54
20) Methylene Chloride	2.812	84	1031	0.283	ug/l	86
31) Cyclohexane	5.574	56	5199	0.843	ug/l #	4
36) 1,1-Dichloropropene	5.568	75	22013	4.598	ug/l #	50
38) Carbon Tetrachloride	5.568	117	28613	5.600	ug/l #	15
76) 1,2,3-Trichloropropane	11.079	75	106380	27.506	ug/l #	34
81) trans-1,4-Dichloro-2-b...	11.079	75	106380	70.866	ug/l #	8

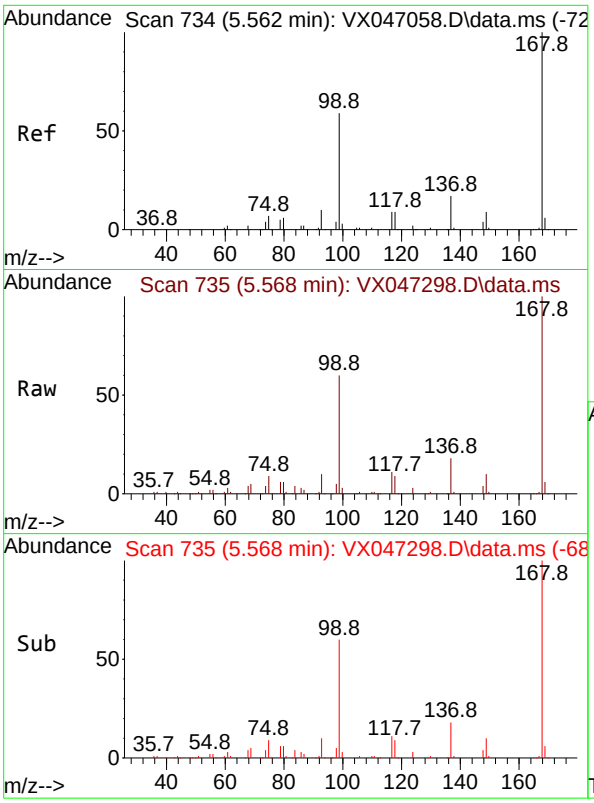
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047298.D
Acq On : 12 Aug 2025 15:39
Operator : JC/MD
Sample : Q2814-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Quant Time: Aug 13 01:22:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



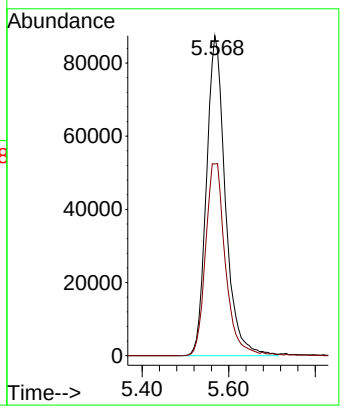


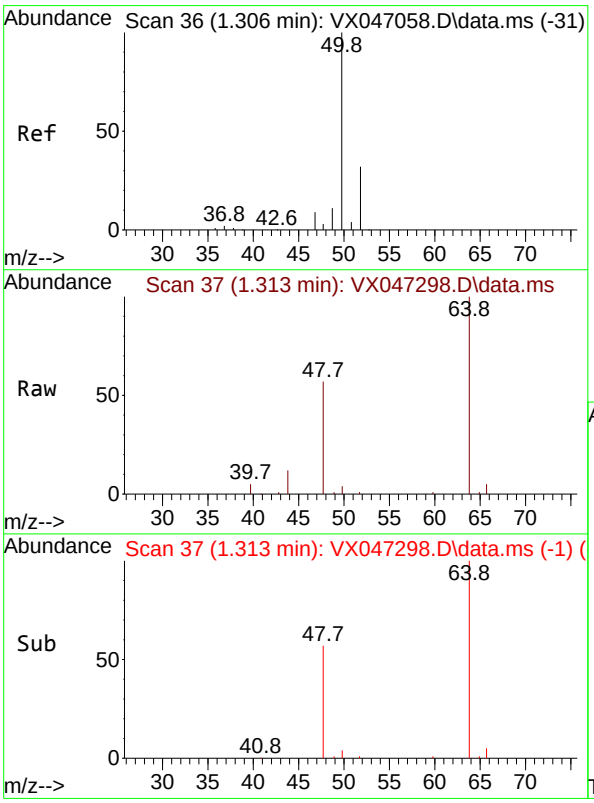
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Tgt Ion:168 Resp: 264975

Ion	Ratio	Lower	Upper
168	100		
99	59.9	48.0	72.0

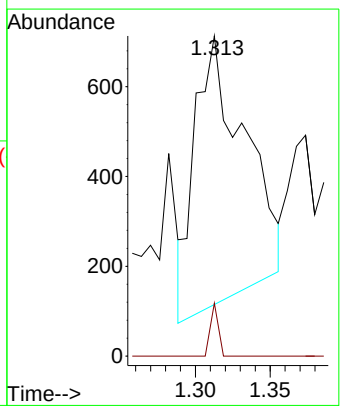


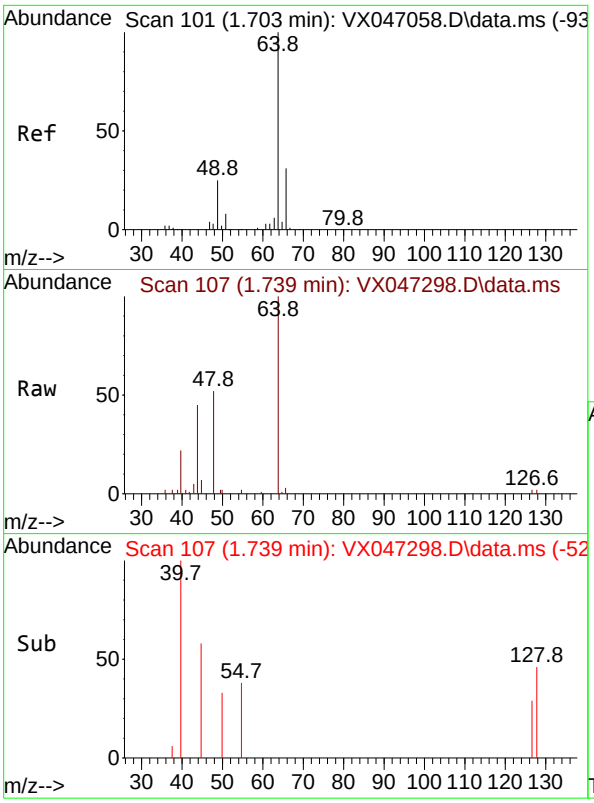


#3
Chloromethane
Concen: 0.400 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 50 Resp: 1391

Ion	Ratio	Lower	Upper
50	100		
52	26.0	25.4	38.2



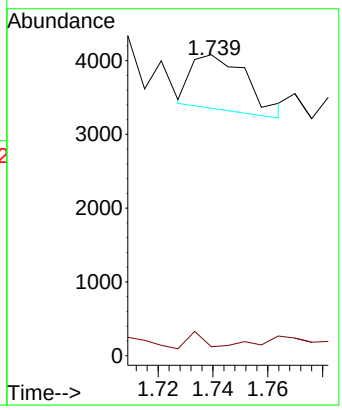


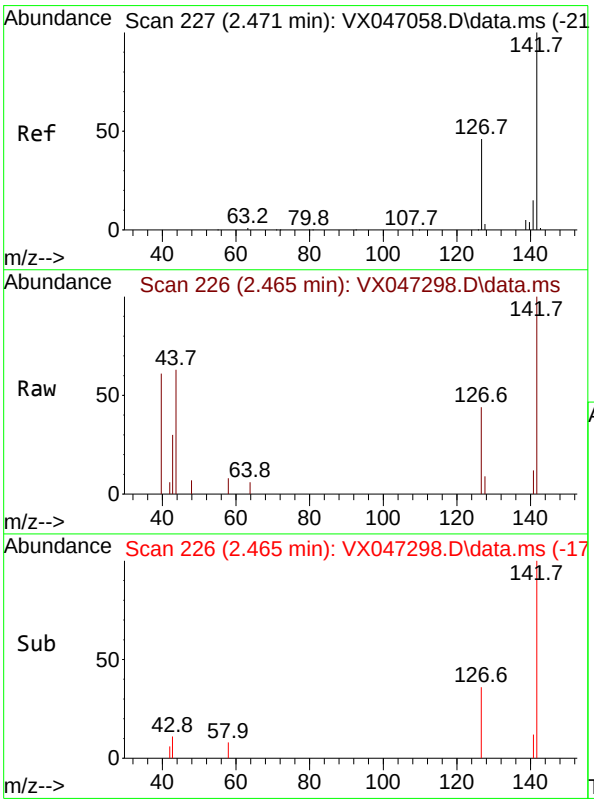
#6
Chloroethane
Concen: 0.413 ug/l
RT: 1.739 min Scan# 1
Delta R.T. 0.037 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Tgt Ion: 64 Resp: 1014

Ion	Ratio	Lower	Upper
64	100		
66	4.2	25.0	37.6#

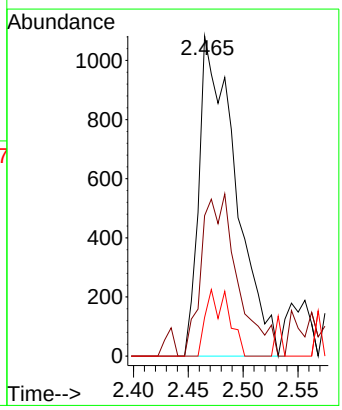


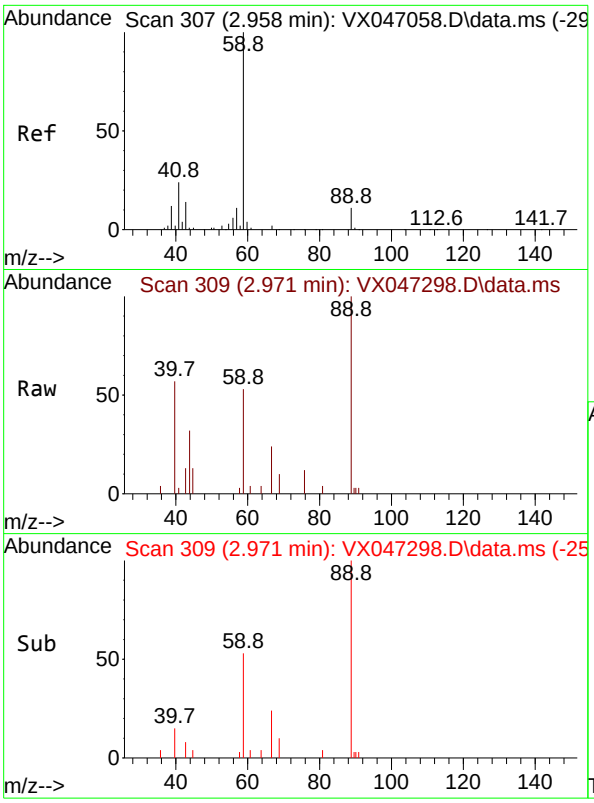


#10
Methyl Iodide
Concen: 0.736 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion:142 Resp: 2521

Ion	Ratio	Lower	Upper
142	100		
127	49.7	36.6	54.8
141	12.9	10.9	16.3



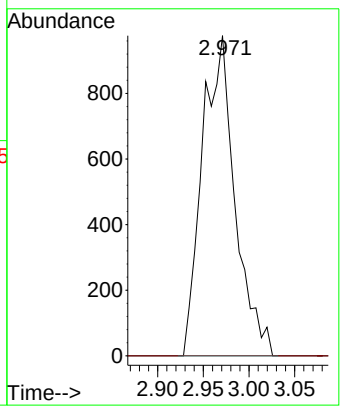


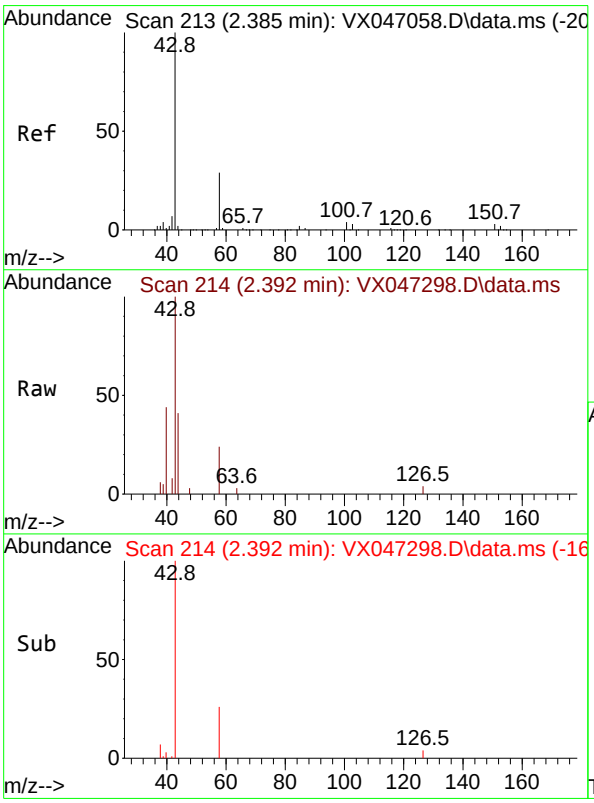
#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.971 min Scan# 3
Delta R.T. 0.013 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Tgt Ion: 59 Resp: 2427

Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.5	12.7#

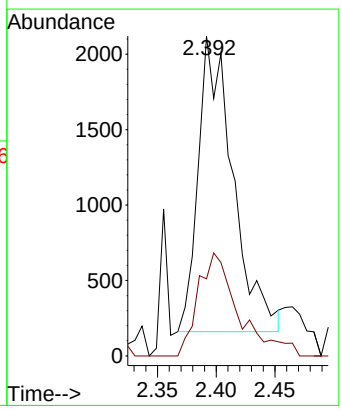


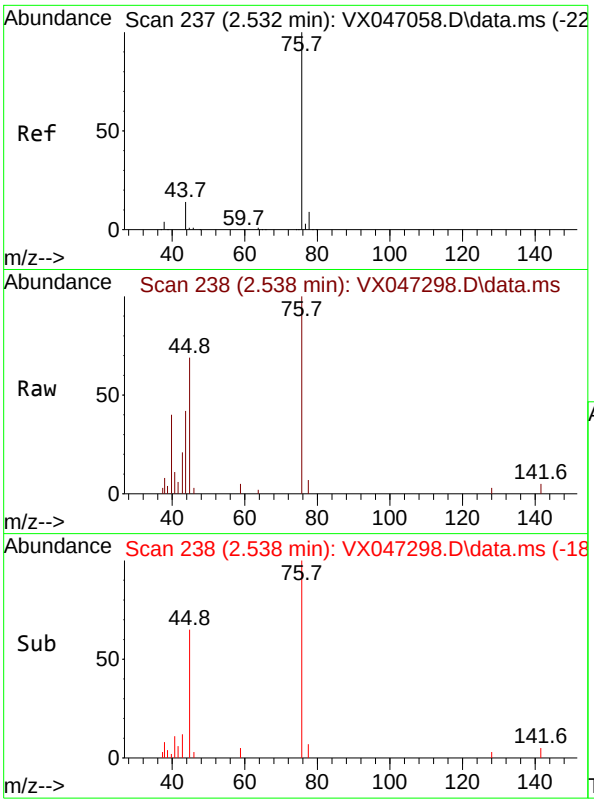


#16
Acetone
Concen: 3.029 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 43 Resp: 4005

Ion	Ratio	Lower	Upper
43	100		
58	28.1	24.0	36.0



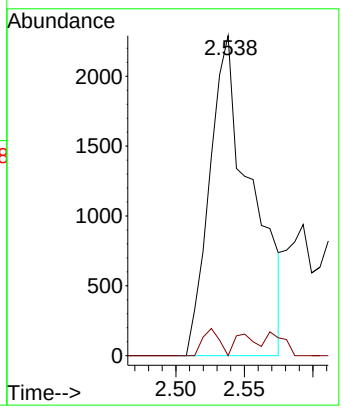


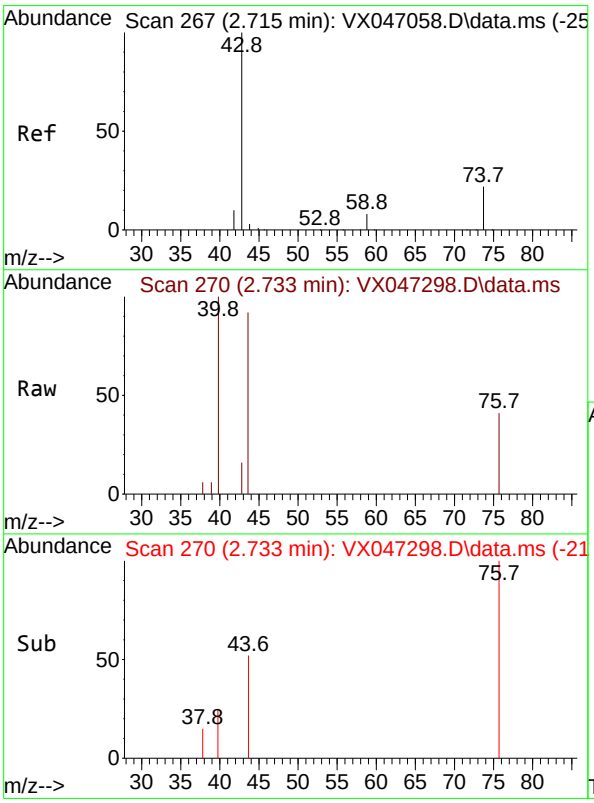
#17
Carbon Disulfide
Concen: 0.504 ug/l
RT: 2.538 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Tgt Ion: 76 Resp: 4853

Ion	Ratio	Lower	Upper
76	100		
78	0.0	7.0	10.4#

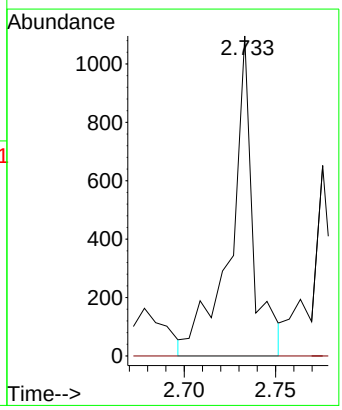


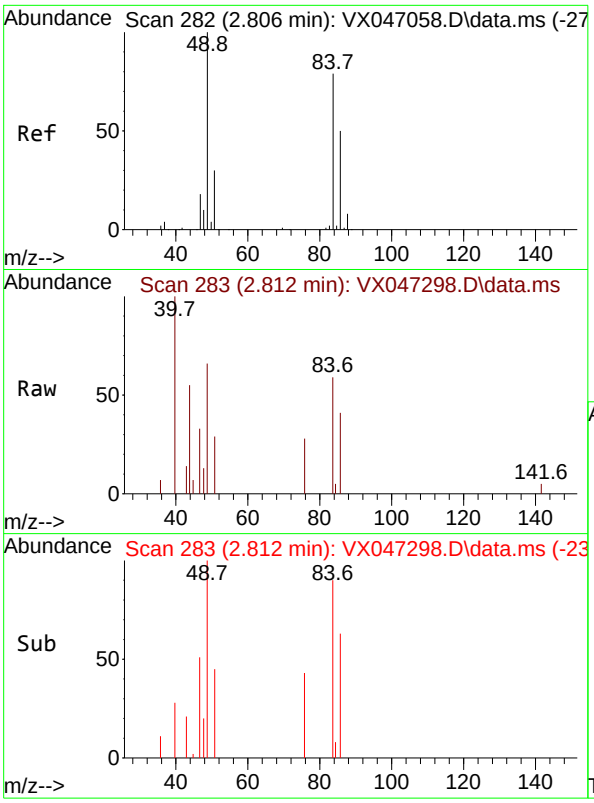


#18
Methyl Acetate
Concen: 0.266 ug/l
RT: 2.733 min Scan# 270
Delta R.T. 0.019 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 43 Resp: 935

Ion	Ratio	Lower	Upper
43	100		
74	0.0	17.7	26.5#



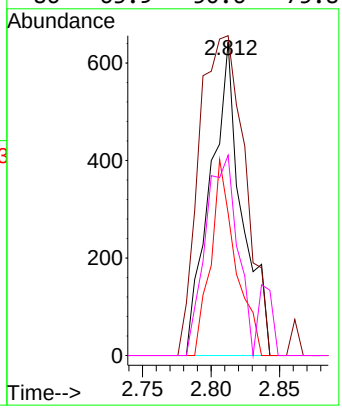


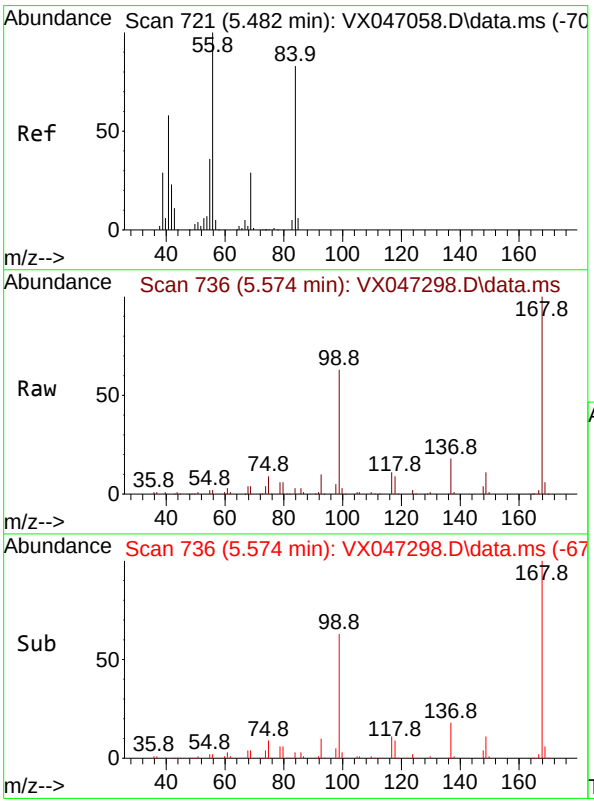
#20
Methylene Chloride
Concen: 0.283 ug/l
RT: 2.812 min Scan# 2
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Tgt Ion: 84 Resp: 1031

Ion	Ratio	Lower	Upper
84	100		
49	102.0	101.6	152.4
51	45.4	30.3	45.5
86	63.9	50.6	75.8

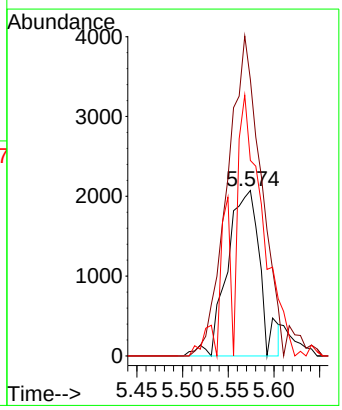


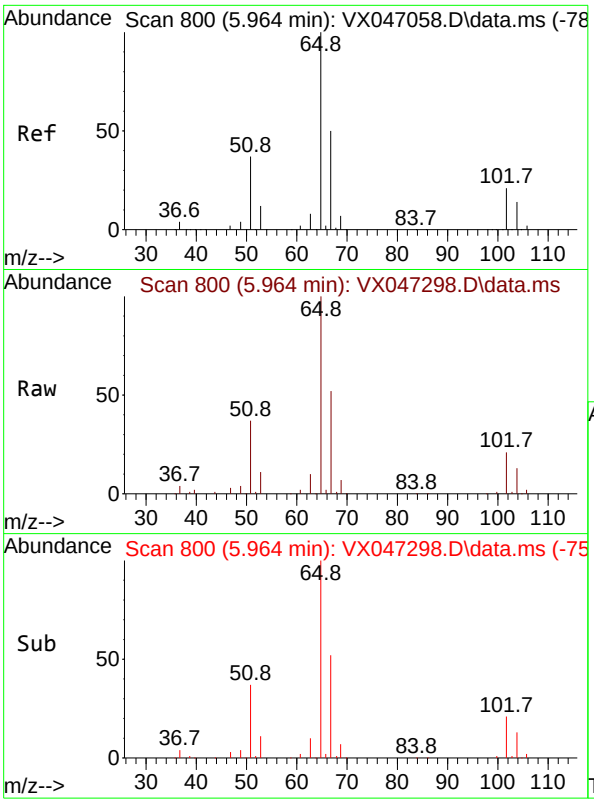


#31
Cyclohexane
Concen: 0.843 ug/l
RT: 5.574 min Scan# 736
Delta R.T. 0.092 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 56 Resp: 5199

Ion	Ratio	Lower	Upper
56	100		
69	167.1	23.3	34.9#
84	118.2	66.5	99.7#



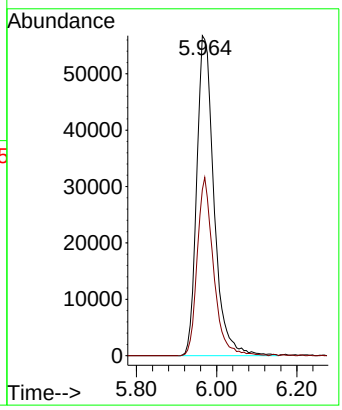


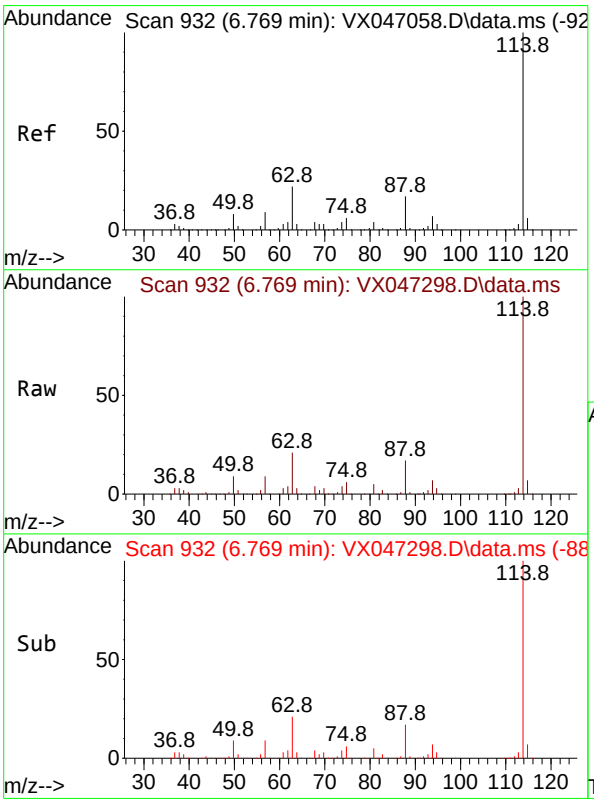
#33
1,2-Dichloroethane-d4
Concen: 51.241 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Tgt Ion: 65 Resp: 169133

Ion	Ratio	Lower	Upper
65	100		
67	52.6	0.0	104.8

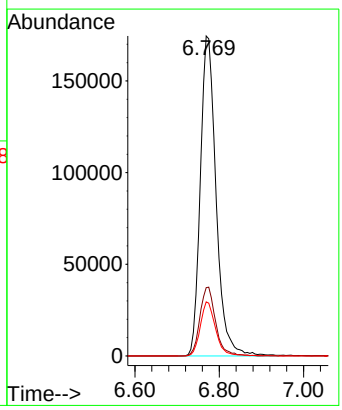


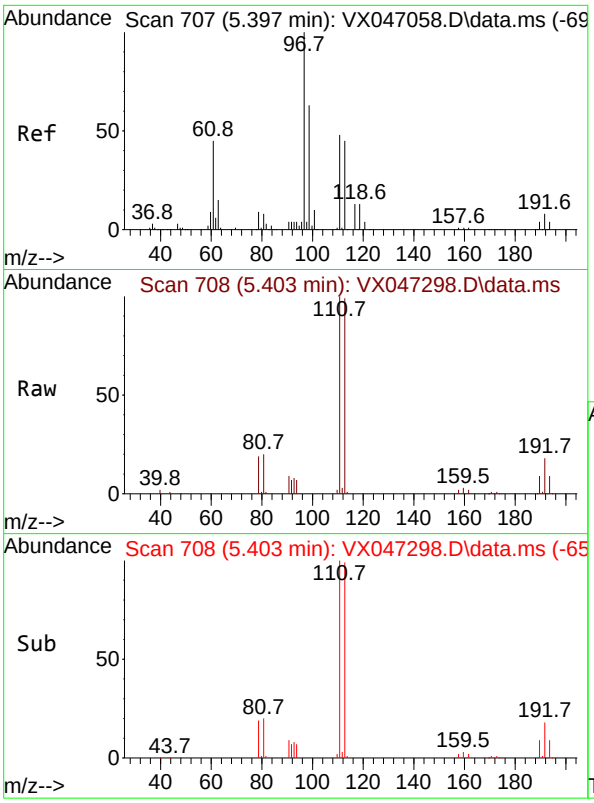


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion:114 Resp: 454854

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	43.2
88	16.9	0.0	33.8



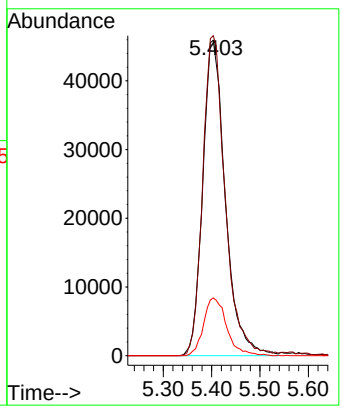


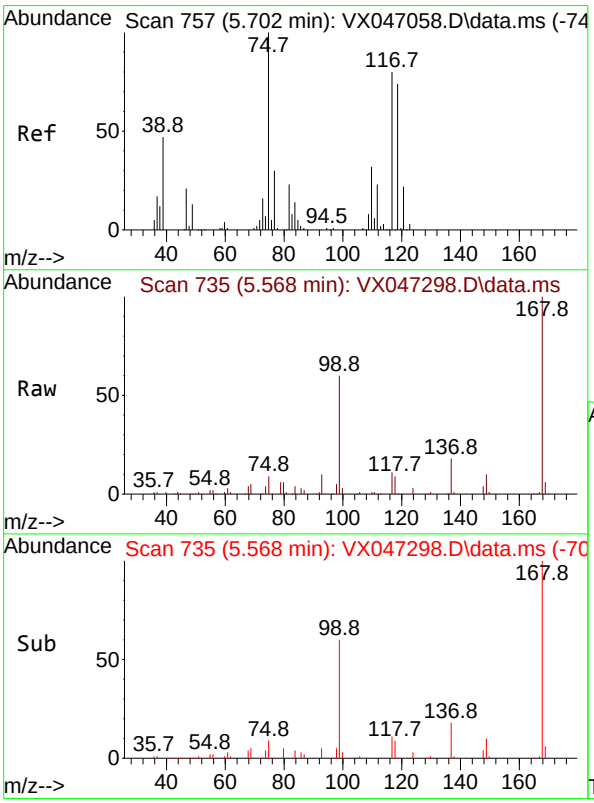
#35
Dibromofluoromethane
Concen: 53.026 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Tgt Ion:113 Resp: 148918

Ion	Ratio	Lower	Upper
113	100		
111	100.9	82.6	124.0
192	18.8	14.9	22.3

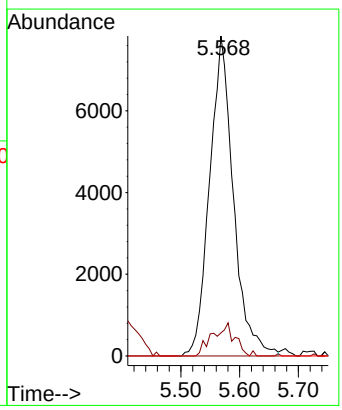


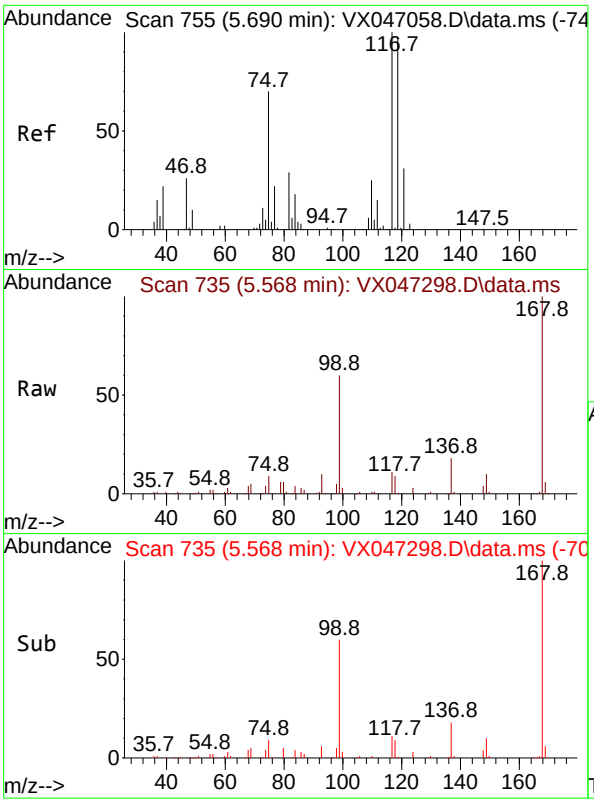


#36
1,1-Dichloropropene
Concen: 4.598 ug/l
RT: 5.568 min Scan# 735
Delta R.T. -0.134 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 75 Resp: 22013

Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.2	51.5#
77	0.0	25.1	37.7#



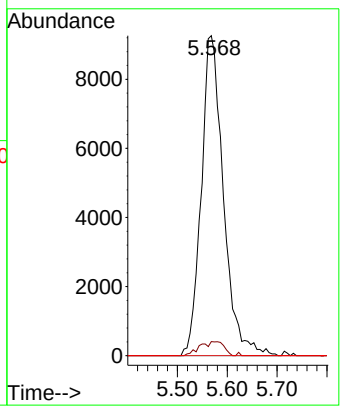


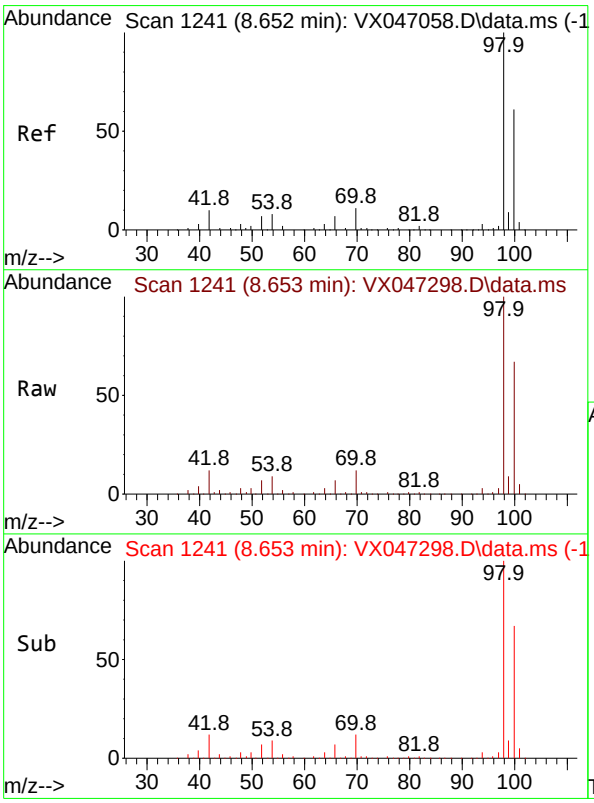
#38
Carbon Tetrachloride
Concen: 5.600 ug/l
RT: 5.568 min Scan# 7
Delta R.T. -0.122 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Tgt Ion:117 Resp: 28613

Ion	Ratio	Lower	Upper
117	100		
119	4.4	76.6	115.0#
121	0.0	24.4	36.6#

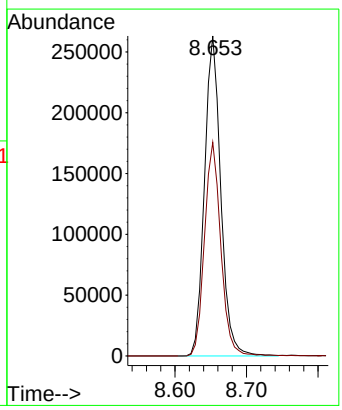


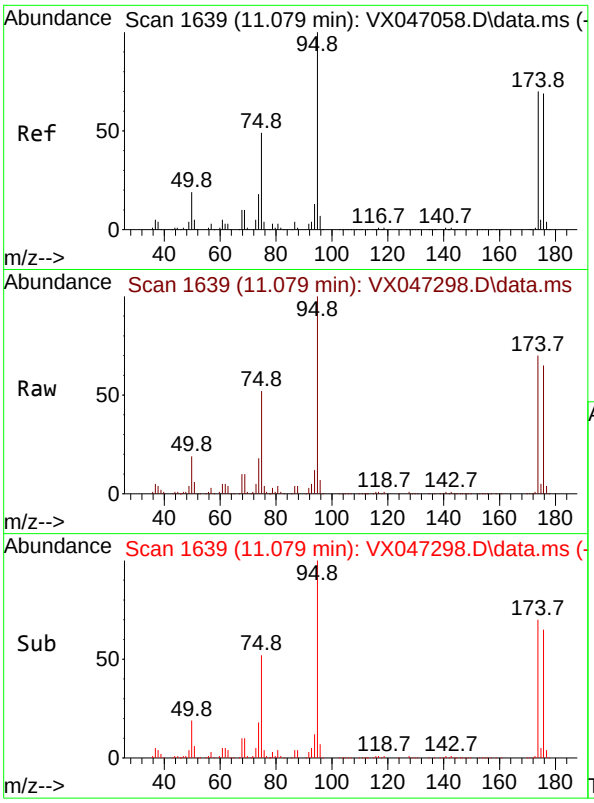


#50
Toluene-d8
Concen: 45.812 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 98 Resp: 416660

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.3	79.9



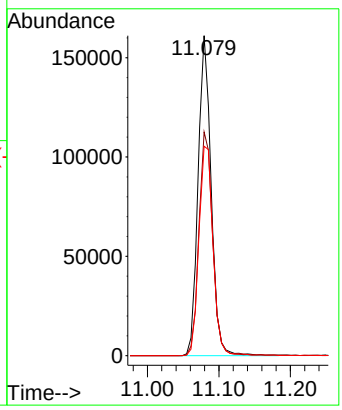


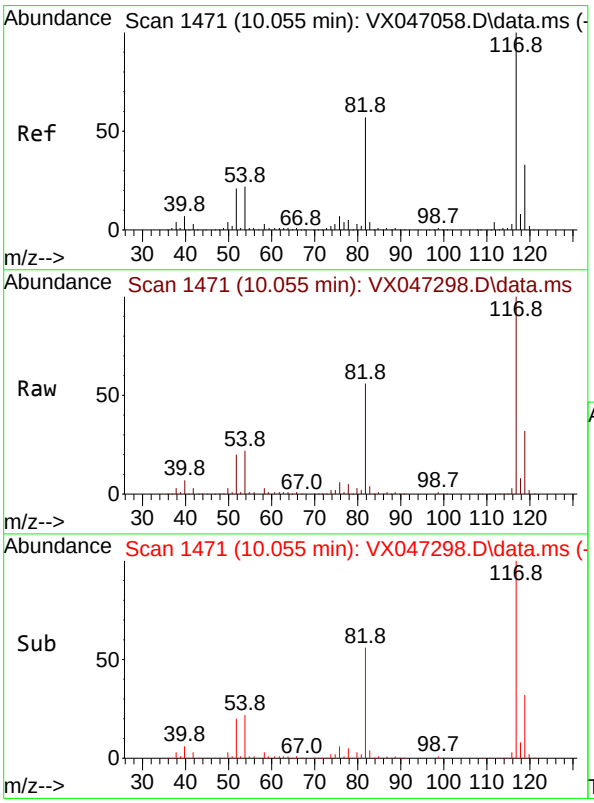
#62
4-Bromofluorobenzene
Concen: 52.087 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Tgt Ion: 95 Resp: 204153

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	144.6
176	70.8	0.0	139.6

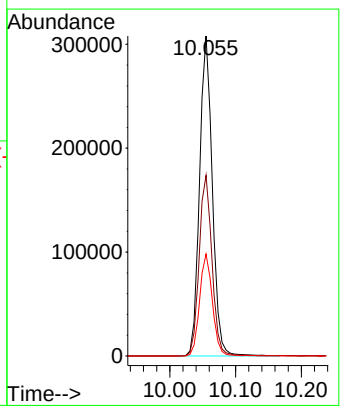


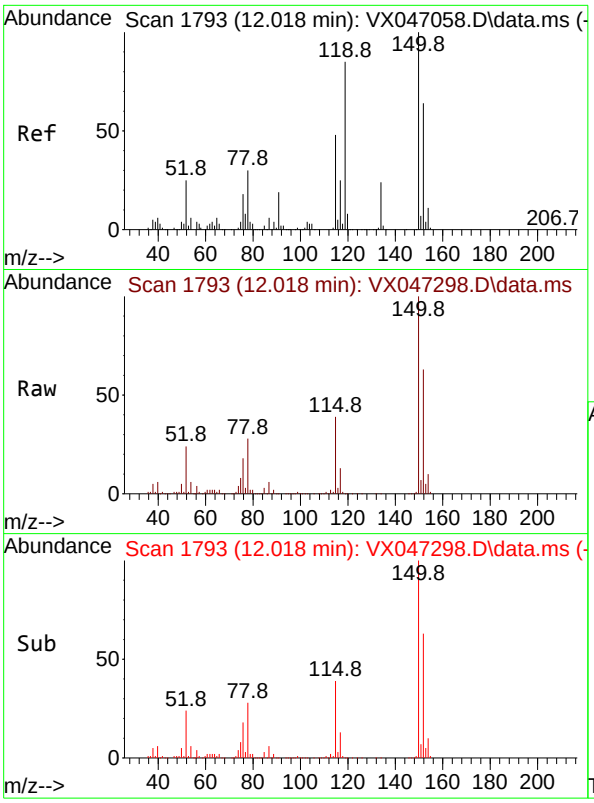


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion:117 Resp: 416219

Ion	Ratio	Lower	Upper
117	100		
82	56.5	45.4	68.2
119	31.9	26.1	39.1



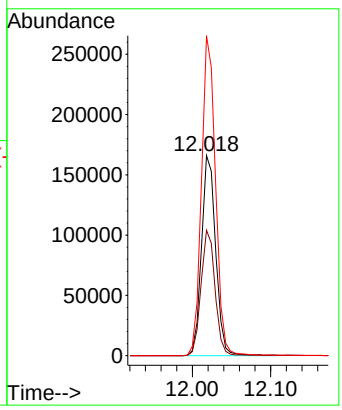


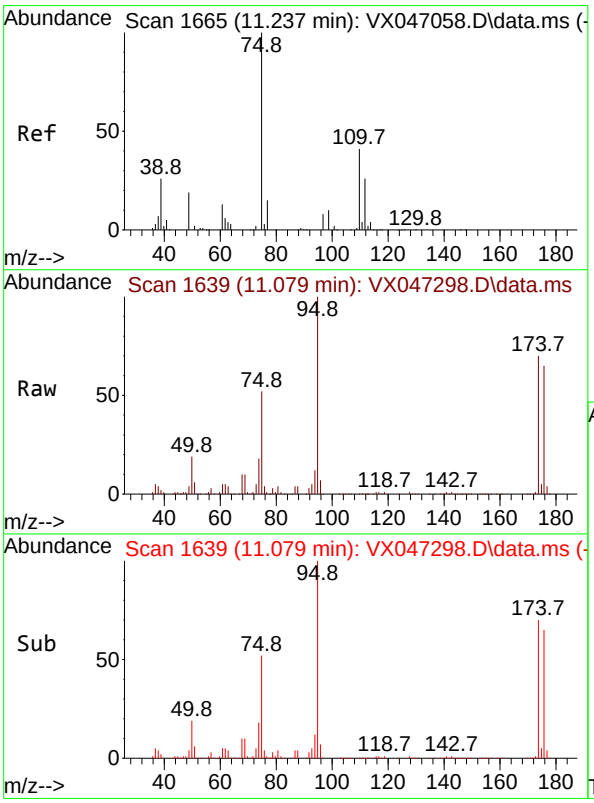
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Tgt Ion:152 Resp: 208948

Ion	Ratio	Lower	Upper
152	100		
115	62.1	45.6	136.7
150	158.8	0.0	354.6

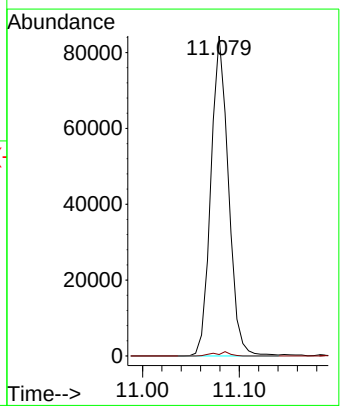


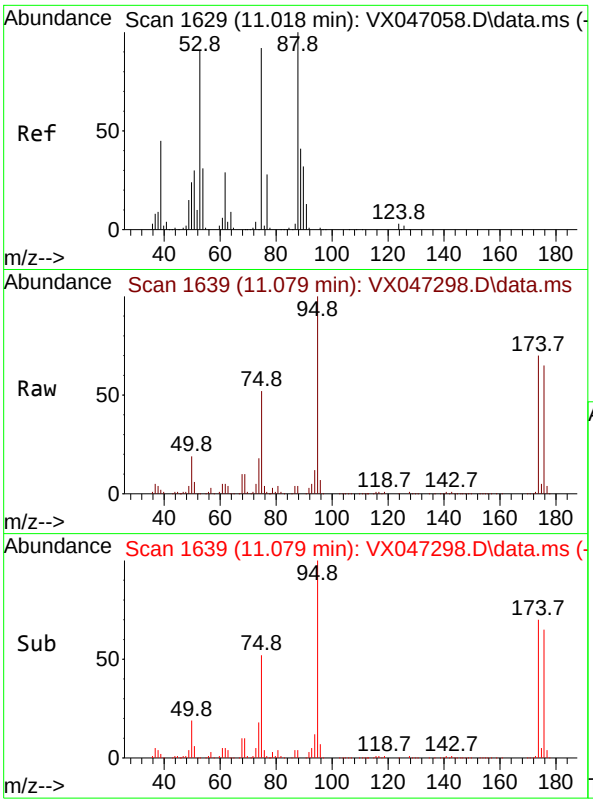


#76
1,2,3-Trichloropropane
Concen: 27.506 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.158 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Tgt Ion: 75 Resp: 106380

Ion	Ratio	Lower	Upper
75	100		
77	1.1	21.6	65.0#



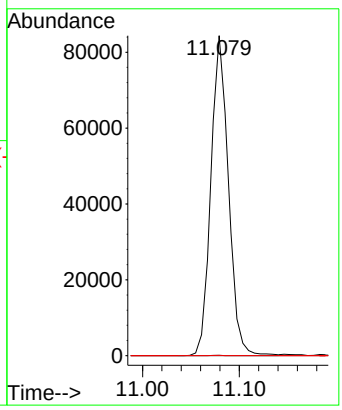


#81
trans-1,4-Dichloro-2-butene
Concen: 70.866 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.061 min
Lab File: VX047298.D
Acq: 12 Aug 2025 15:39

Instrument :
MSVOA_X
ClientSampleId :
TW-38M-E

Tgt Ion: 75 Resp: 106380

Ion	Ratio	Lower	Upper
75	100		
53	0.1	84.2	126.4#
89	0.0	36.0	54.0#



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	215996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	368205	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	323727	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	161700	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	130292	48.424	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 96.840%			
35) Dibromofluoromethane	5.403	113	117551	51.707	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.420%			
50) Toluene-d8	8.653	98	330293	44.862	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 89.720%#			
62) 4-Bromofluorobenzene	11.079	95	155757	49.091	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 98.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	158683	55.310	ug/l	98
3) Chloromethane	1.313	50	136255	48.012	ug/l	99
4) Vinyl Chloride	1.392	62	162557	53.286	ug/l	100
5) Bromomethane	1.624	94	70711	42.670	ug/l	94
6) Chloroethane	1.703	64	96058	47.942	ug/l	99
7) Trichlorofluoromethane	1.904	101	241849	53.166	ug/l	100
8) Diethyl Ether	2.148	74	82367	51.354	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	142678	52.060	ug/l	99
10) Methyl Iodide	2.471	142	196261	70.265	ug/l	99
11) Tert butyl alcohol	2.965	59	81814	260.548	ug/l	98
12) 1,1-Dichloroethene	2.337	96	140634	51.809	ug/l	98
13) Acrolein	2.251	56	191504	330.555	ug/l	99
14) Allyl chloride	2.684	41	239286	48.767	ug/l	98
15) Acrylonitrile	3.081	53	342692	267.053	ug/l	99
16) Acetone	2.392	43	267952	248.594	ug/l	98
17) Carbon Disulfide	2.532	76	380084	48.401	ug/l	99
18) Methyl Acetate	2.721	43	166988	58.297	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	439853	53.243	ug/l	100
20) Methylene Chloride	2.806	84	152756	51.514	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	145059	52.222	ug/l	97
22) Diisopropyl ether	3.776	45	493204	52.281	ug/l	98
23) Vinyl Acetate	3.739	43	2020262	267.002	ug/l	100
24) 1,1-Dichloroethane	3.629	63	269844	51.439	ug/l	98
25) 2-Butanone	4.574	43	388866	247.769	ug/l	95
26) 2,2-Dichloropropane	4.495	77	174083	42.869	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	170185	51.739	ug/l	97
28) Bromochloromethane	4.916	49	129983	53.858	ug/l	100
29) Tetrahydrofuran	5.025	42	259007	255.772	ug/l	99
30) Chloroform	5.111	83	273523	51.222	ug/l	99
31) Cyclohexane	5.489	56	239579	47.631	ug/l	96
32) 1,1,1-Trichloroethane	5.397	97	236883	51.073	ug/l	99
36) 1,1-Dichloropropene	5.708	75	189695	48.951	ug/l	100
37) Ethyl Acetate	4.727	43	213863	59.891	ug/l	95
38) Carbon Tetrachloride	5.690	117	205421	49.665	ug/l	99
39) Methylcyclohexane	7.385	83	228274	47.179	ug/l	97
40) Benzene	6.050	78	568008	50.647	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	92486	49.535	ug/l	#	92
42) 1,2-Dichloroethane	6.098	62	203832	51.596	ug/l		99
43) Isopropyl Acetate	6.348	43	297523	53.445	ug/l		99
44) Trichloroethene	7.135	130	144557	50.265	ug/l		88
45) 1,2-Dichloropropane	7.440	63	142327	50.671	ug/l		95
46) Dibromomethane	7.586	93	102887	52.234	ug/l		99
47) Bromodichloromethane	7.830	83	214793	51.231	ug/l		99
48) Methyl methacrylate	7.696	41	156932	51.748	ug/l		99
49) 1,4-Dioxane	7.677	88	29515	855.697	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	891277	269.360	ug/l		99
52) Toluene	8.720	92	354794	51.450	ug/l		98
53) t-1,3-Dichloropropene	8.982	75	189031	47.746	ug/l		99
54) cis-1,3-Dichloropropene	8.372	75	209668	48.387	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	133763	51.723	ug/l		98
56) Ethyl methacrylate	9.116	69	211187	55.161	ug/l		99
57) 1,3-Dichloropropane	9.311	76	232270	51.678	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	537996	252.526	ug/l		99
59) 2-Hexanone	9.433	43	620680	283.920	ug/l		100
60) Dibromochloromethane	9.518	129	157647	51.976	ug/l		100
61) 1,2-Dibromoethane	9.610	107	137616	50.891	ug/l		98
64) Tetrachloroethene	9.275	164	117308	50.267	ug/l		95
65) Chlorobenzene	10.079	112	384532	50.704	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	131306	51.426	ug/l		99
67) Ethyl Benzene	10.195	91	681158	51.369	ug/l		100
68) m/p-Xylenes	10.299	106	510770	102.933	ug/l		99
69) o-Xylene	10.640	106	244681	51.832	ug/l		100
70) Styrene	10.652	104	423003	52.257	ug/l		100
71) Bromoform	10.799	173	101601	52.383	ug/l		100
73) Isopropylbenzene	10.963	105	639550	50.133	ug/l		100
74) N-amyl acetate	10.841	43	266967	51.866	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	191413	52.528	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	181370	60.598	ug/l		84
77) Bromobenzene	11.195	156	157666	51.527	ug/l		97
78) n-propylbenzene	11.305	91	762426	50.013	ug/l		99
79) 2-Chlorotoluene	11.360	91	453787	49.797	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	524390	49.756	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	26071	22.442	ug/l		94
82) 4-Chlorotoluene	11.451	91	530975	49.920	ug/l		98
83) tert-Butylbenzene	11.713	119	528279	49.940	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	528370	50.262	ug/l		99
85) sec-Butylbenzene	11.890	105	643045	48.652	ug/l		100
86) p-Isopropyltoluene	12.006	119	538783	49.156	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	287667	49.479	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	289648	49.174	ug/l		96
89) n-Butylbenzene	12.329	91	490485	47.718	ug/l		98
90) Hexachloroethane	12.536	117	93824	47.850	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	279275	50.259	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	37523	53.644	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	181698	49.491	ug/l		100
94) Hexachlorobutadiene	13.725	225	54991	44.043	ug/l		98
95) Naphthalene	13.774	128	559450	51.981	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	170531	48.215	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

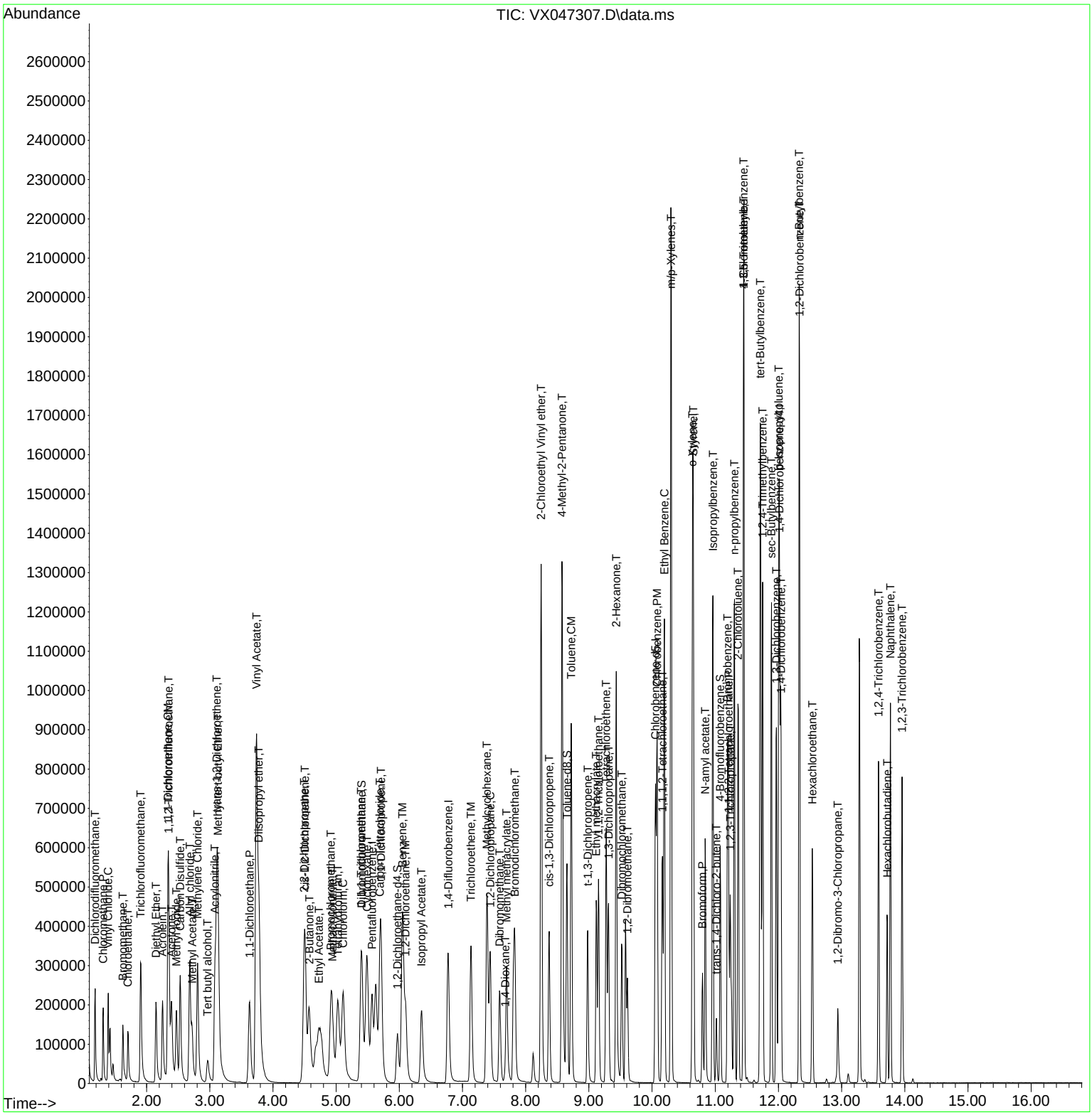
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

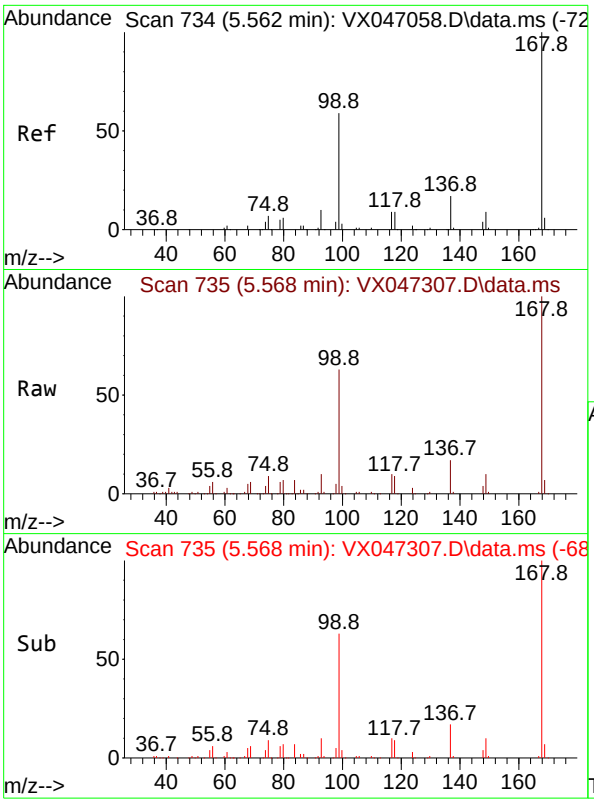
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081225\
Data File : VX047307.D
Acq On : 12 Aug 2025 18:54
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 13 01:26:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
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Response via : Initial Calibration



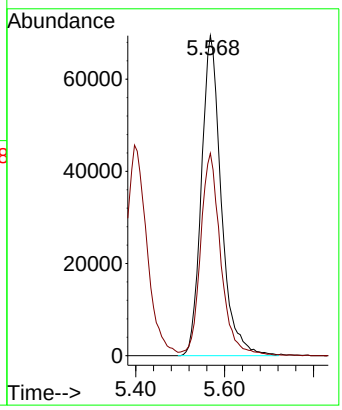


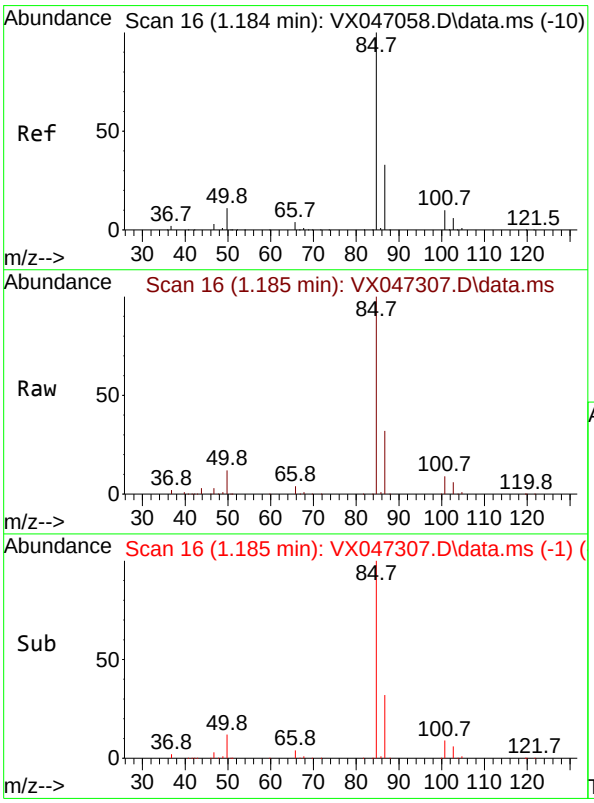
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 215996

Ion	Ratio	Lower	Upper
168	100		
99	62.9	48.0	72.0

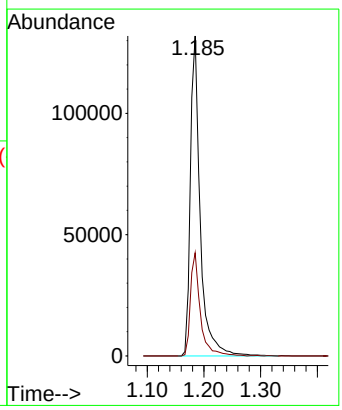


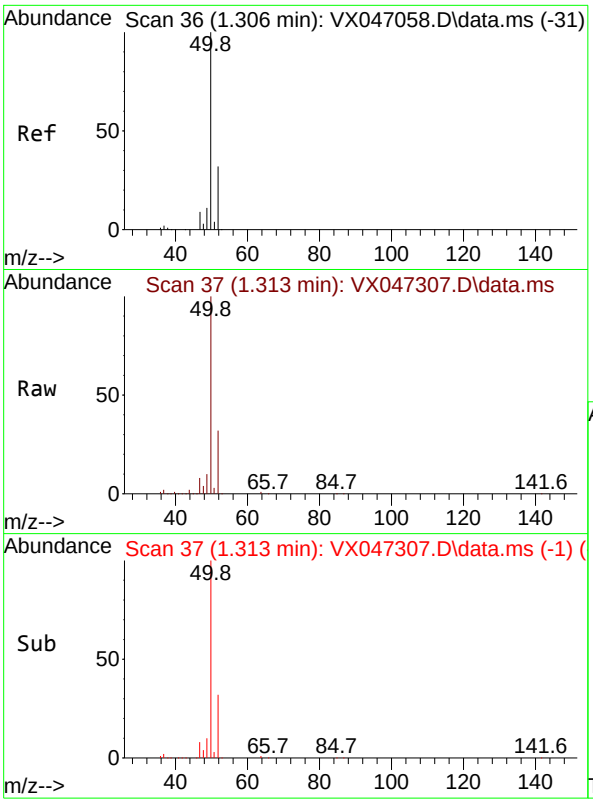


#2
Dichlorodifluoromethane
Concen: 55.310 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 85 Resp: 158683

Ion	Ratio	Lower	Upper
85	100		
87	32.3	16.6	49.8



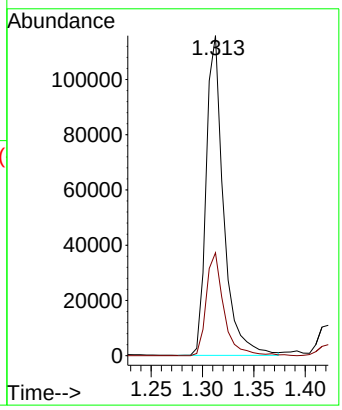


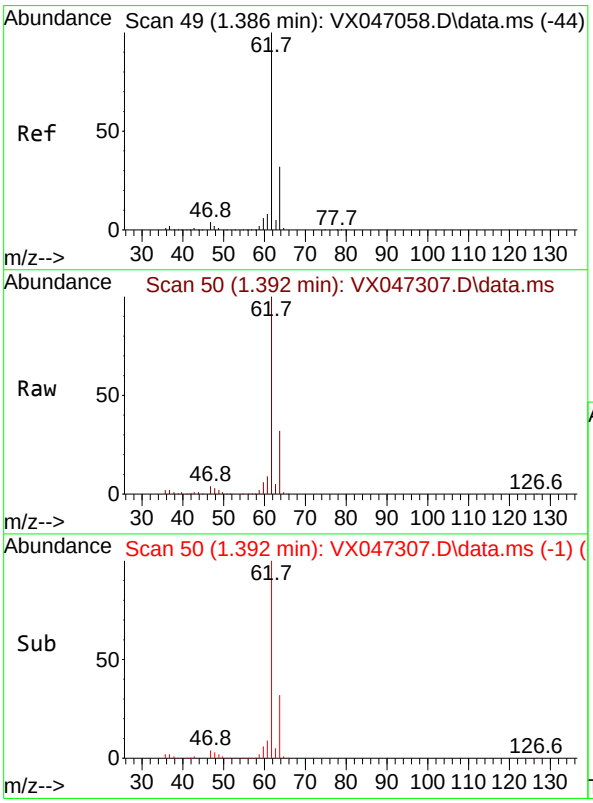
#3
Chloromethane
Concen: 48.012 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 136255

Ion	Ratio	Lower	Upper
50	100		
52	32.2	25.4	38.2

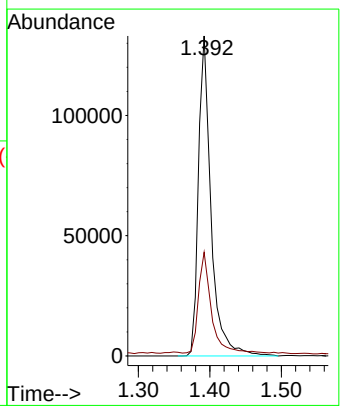


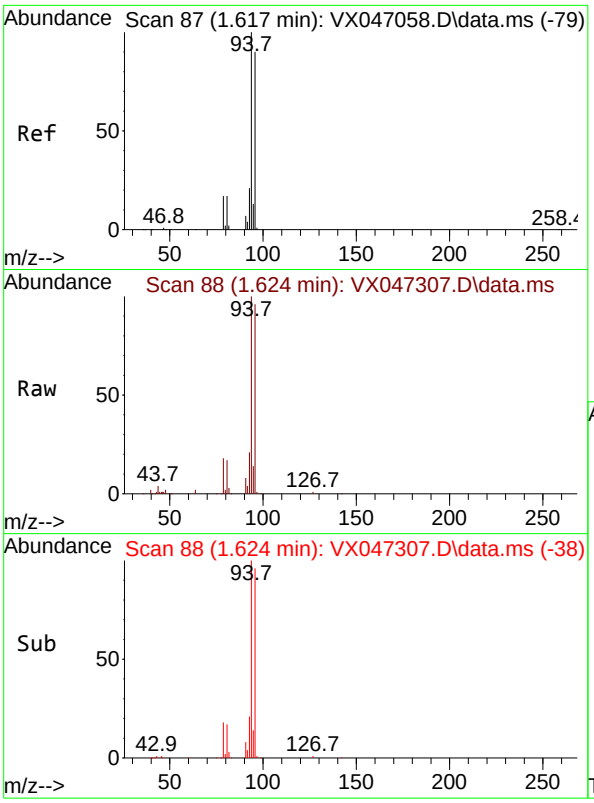


#4
Vinyl Chloride
Concen: 53.286 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 62 Resp: 162557

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.2	37.8



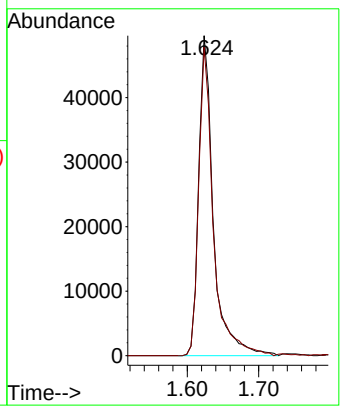


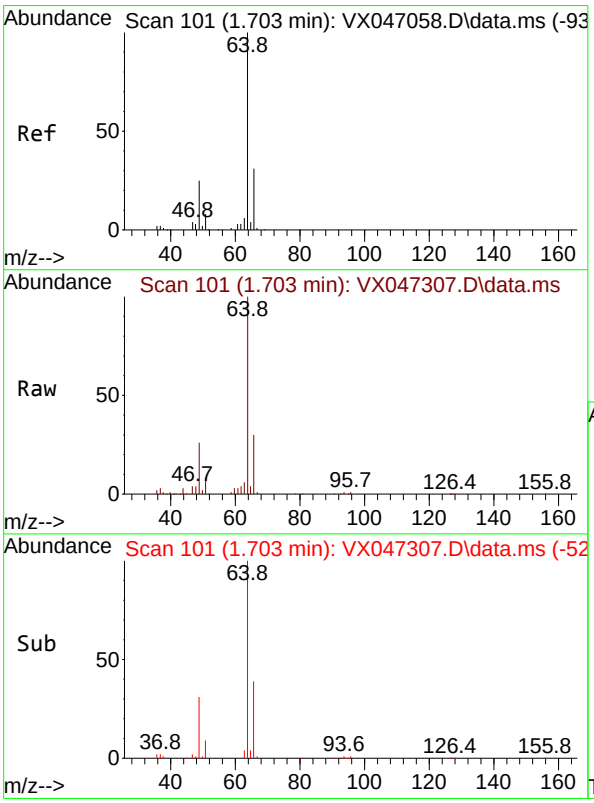
#5
Bromomethane
Concen: 42.670 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 70711

Ion	Ratio	Lower	Upper
94	100		
96	96.4	72.3	108.5

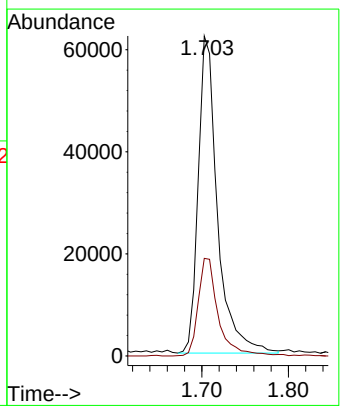


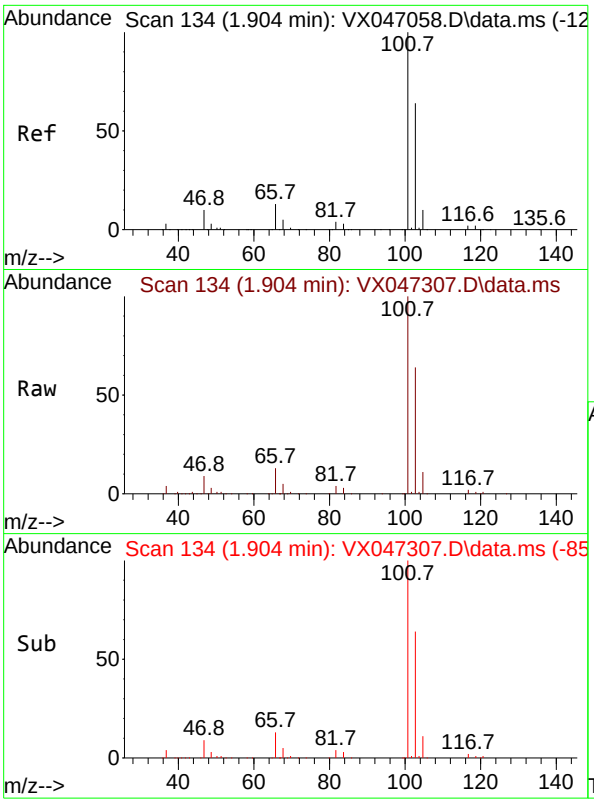


#6
Chloroethane
Concen: 47.942 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 64 Resp: 96058

Ion	Ratio	Lower	Upper
64	100		
66	30.7	25.0	37.6



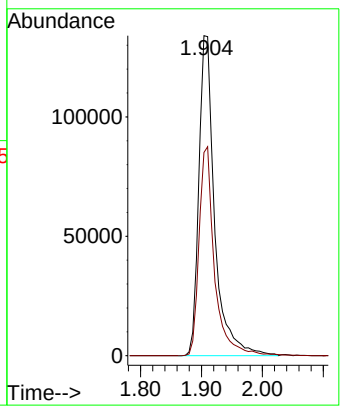


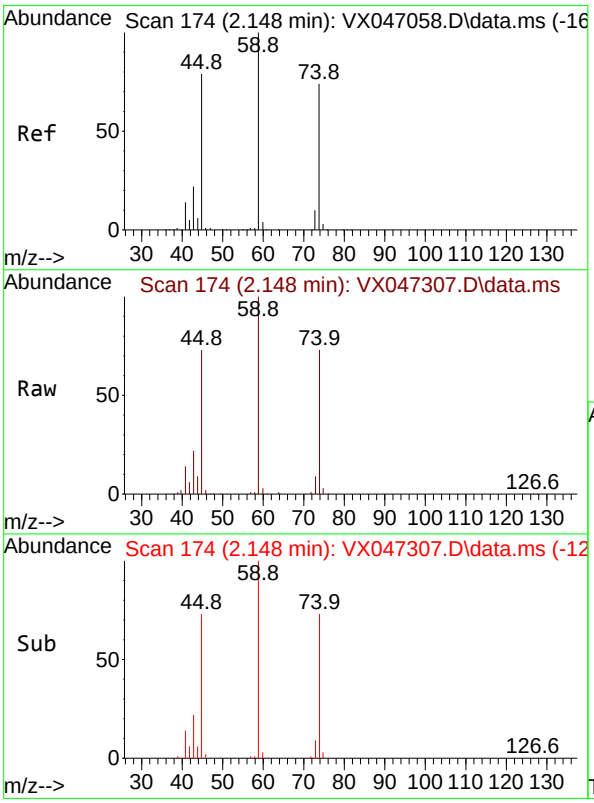
#7
Trichlorofluoromethane
Concen: 53.166 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 241849

Ion	Ratio	Lower	Upper
101	100		
103	63.5	50.9	76.3

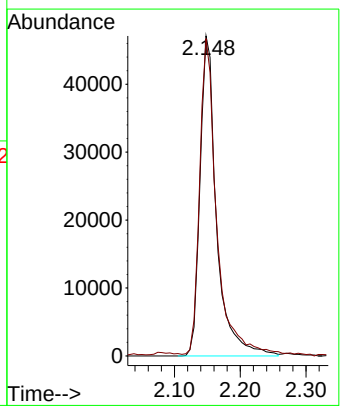


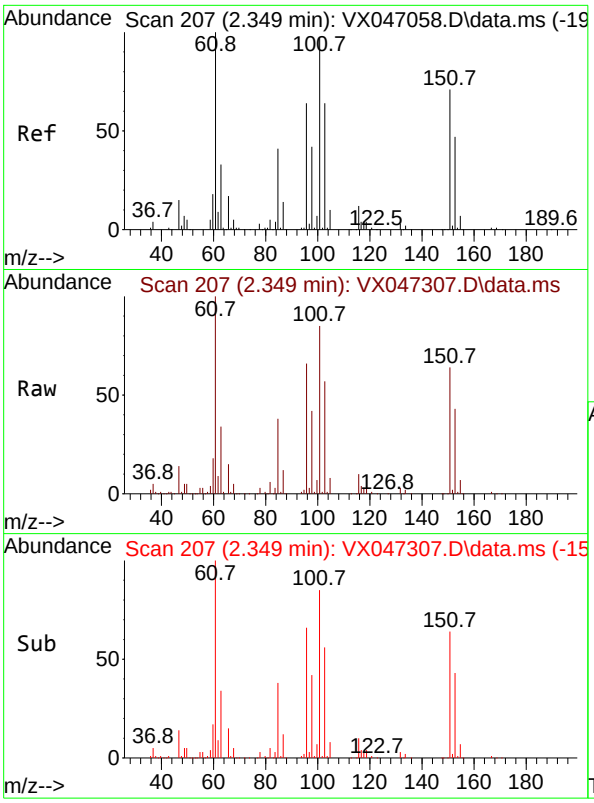


#8
Diethyl Ether
Concen: 51.354 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 74 Resp: 82367

Ion	Ratio	Lower	Upper
74	100		
45	104.3	53.0	159.0



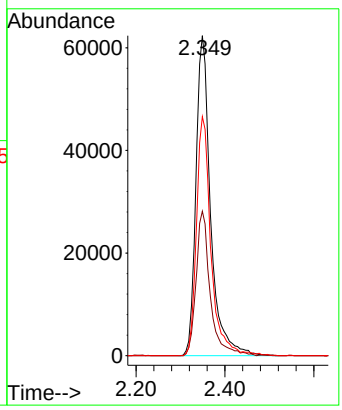


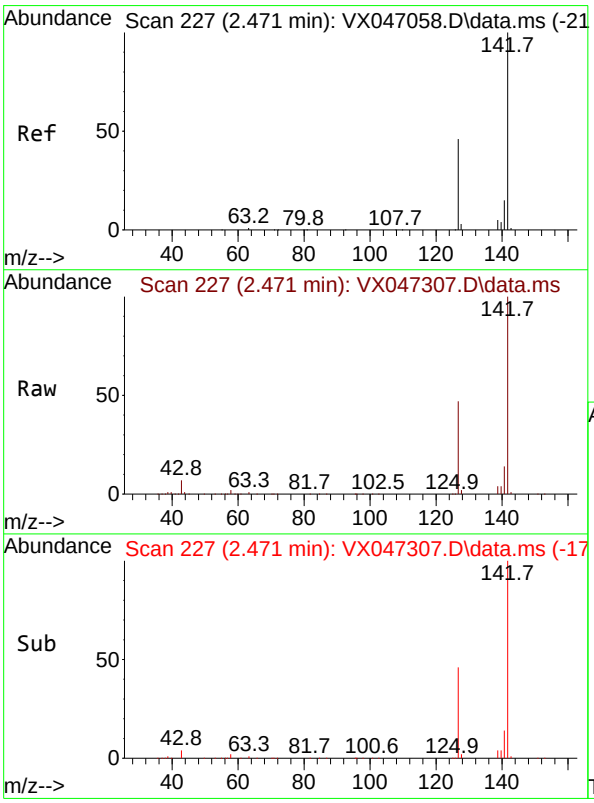
#9
1,1,2-Trichlorotrifluoroethane
Concen: 52.060 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 142678

Ion	Ratio	Lower	Upper
101	100		
85	43.5	35.4	53.0
151	74.4	59.2	88.8

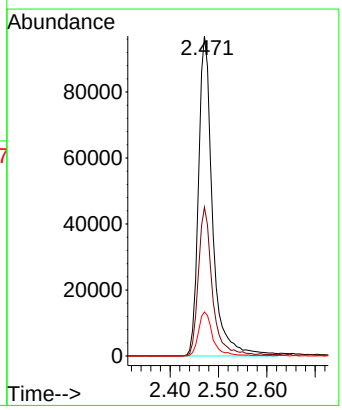


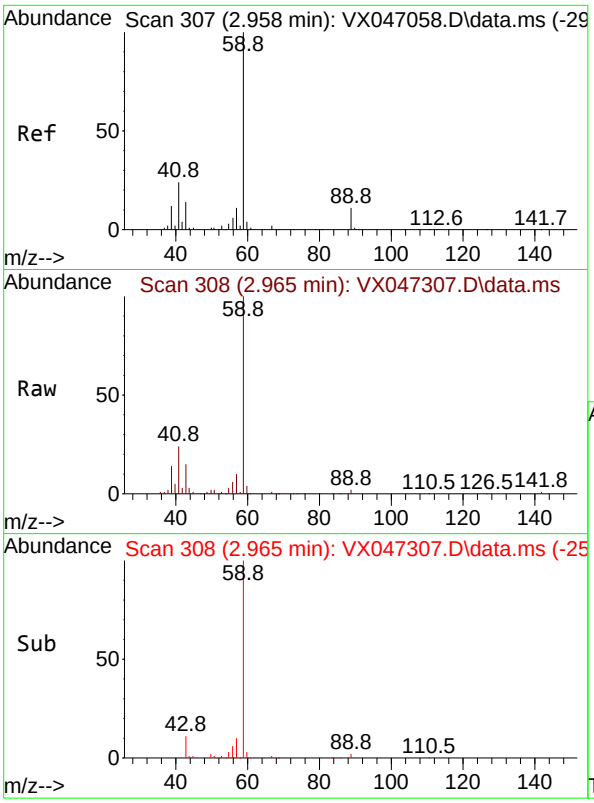


#10
Methyl Iodide
Concen: 70.265 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:142 Resp: 196261

Ion	Ratio	Lower	Upper
142	100		
127	46.2	36.6	54.8
141	14.0	10.9	16.3



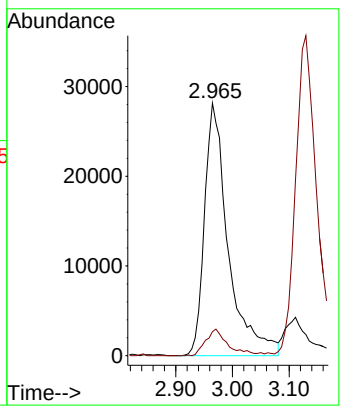


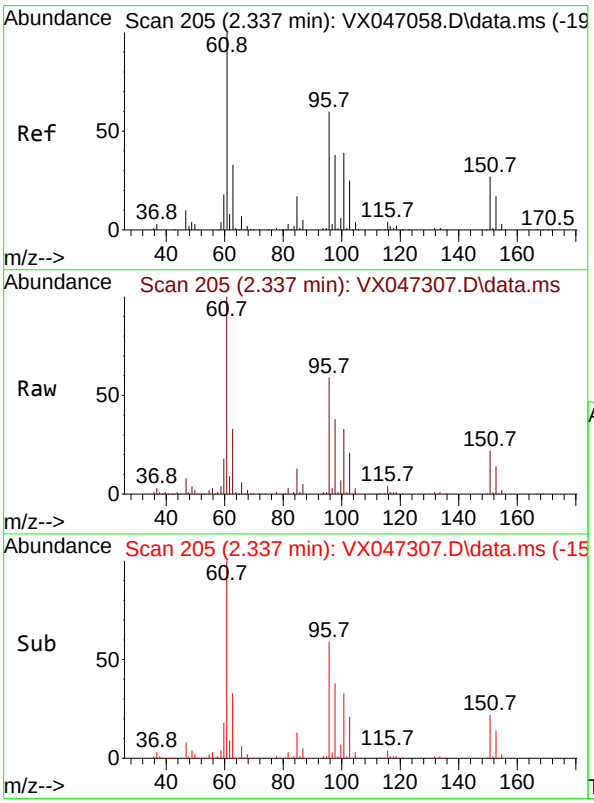
#11
Tert butyl alcohol
Concen: 260.548 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 81814

Ion	Ratio	Lower	Upper
59	100		
57	9.8	8.5	12.7

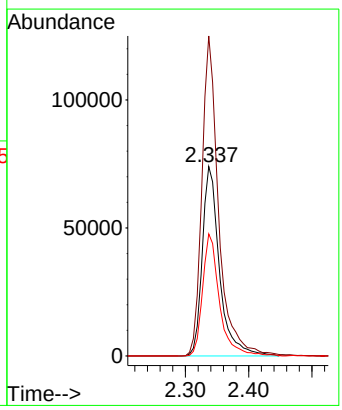


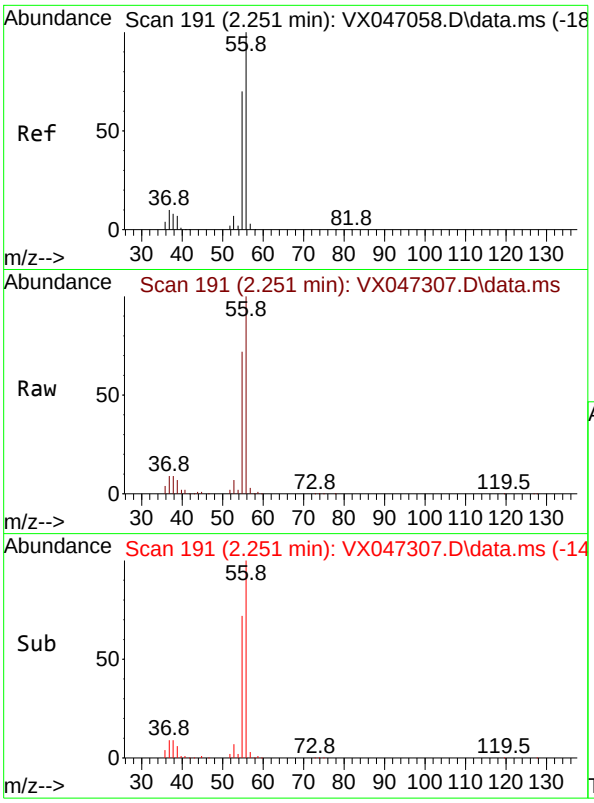


#12
1,1-Dichloroethene
Concen: 51.809 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 96 Resp: 140634

Ion	Ratio	Lower	Upper
96	100		
61	168.9	132.6	198.8
98	64.4	50.2	75.4



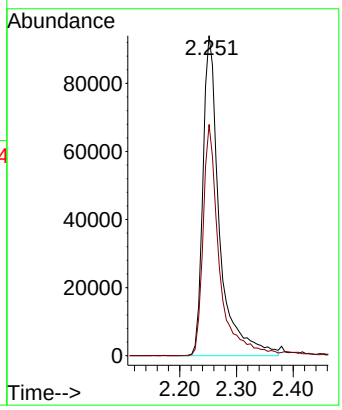


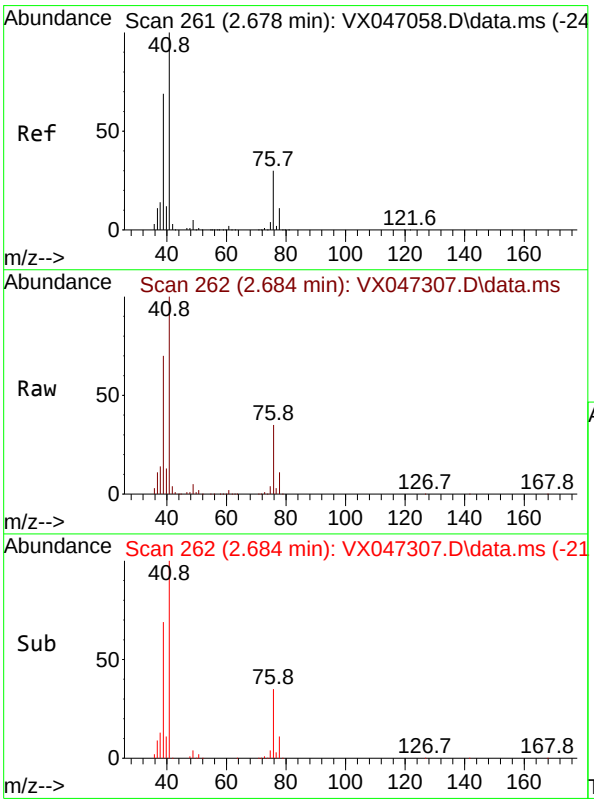
#13
Acrolein
Concen: 330.555 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 191504

Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.7	83.5

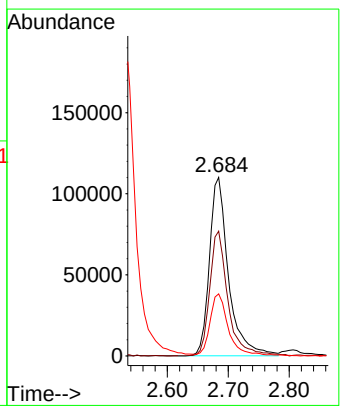


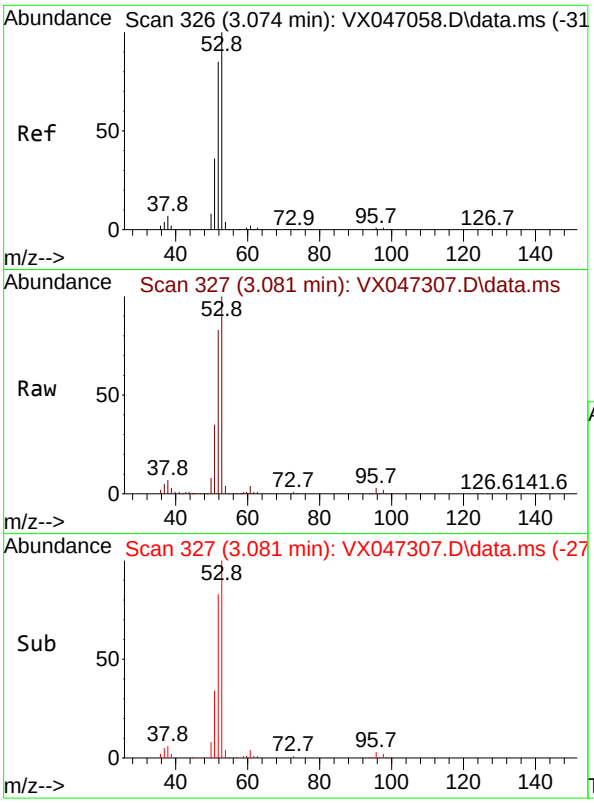


#14
Allyl chloride
Concen: 48.767 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 41 Resp: 239286

Ion	Ratio	Lower	Upper
41	100		
39	67.1	52.6	78.8
76	33.9	25.7	38.5



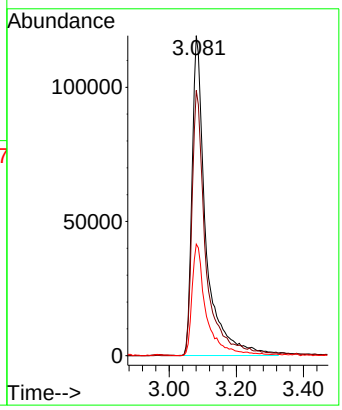


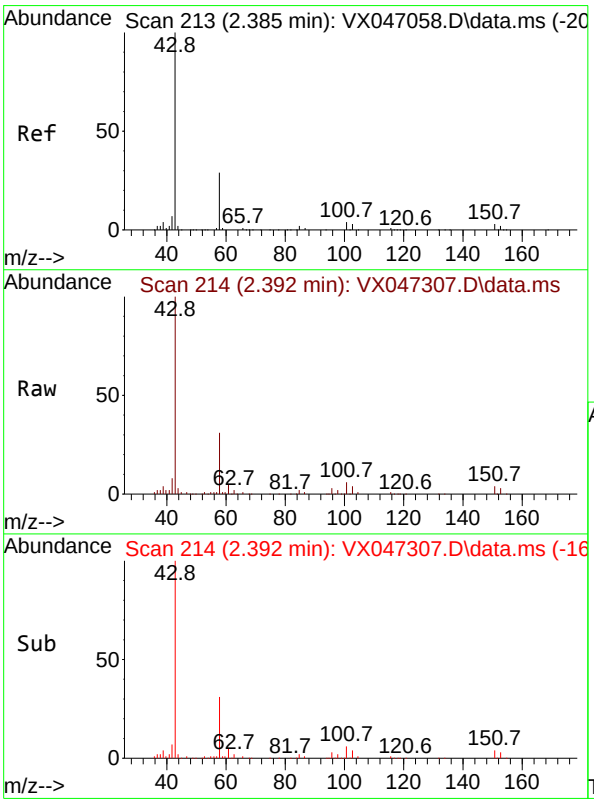
#15
Acrylonitrile
Concen: 267.053 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 342692

Ion	Ratio	Lower	Upper
53	100		
52	83.2	65.7	98.5
51	36.5	28.8	43.2

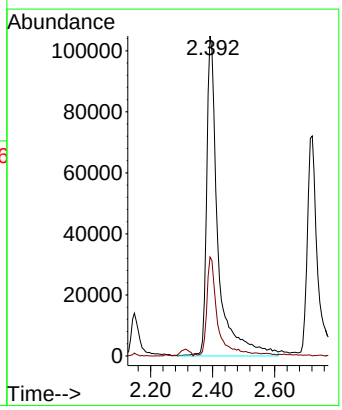


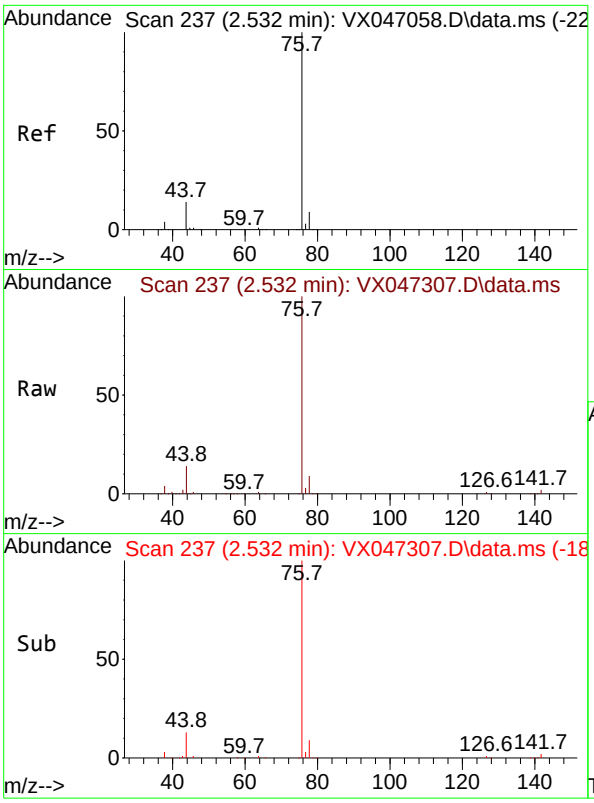


#16
Acetone
Concen: 248.594 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 43 Resp: 267952

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0



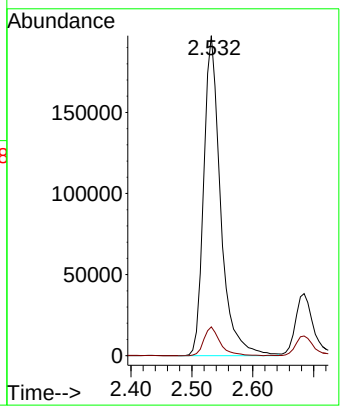


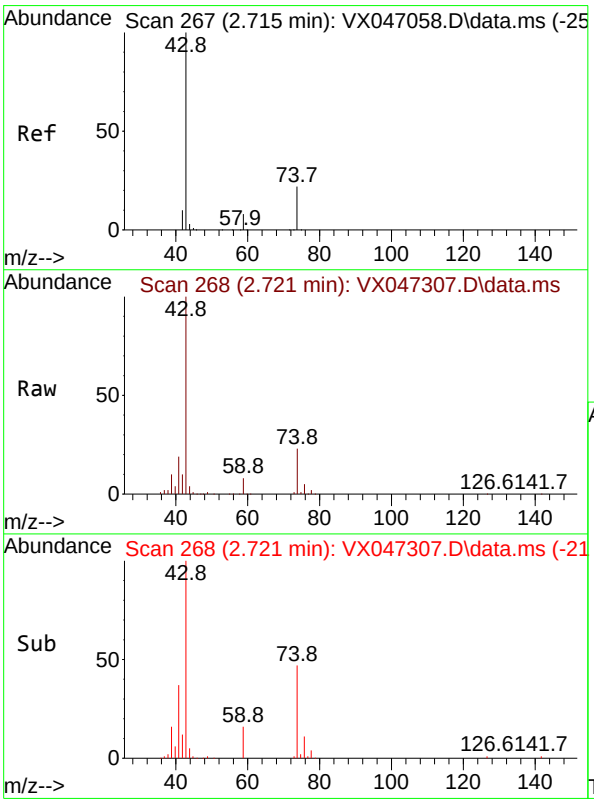
#17
Carbon Disulfide
Concen: 48.401 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 380084

Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.0	10.4

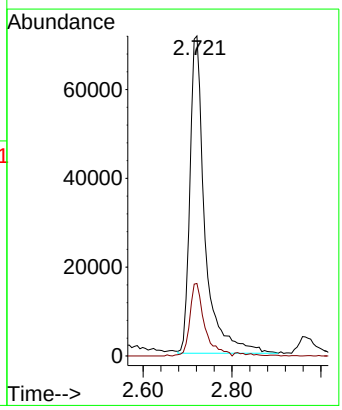


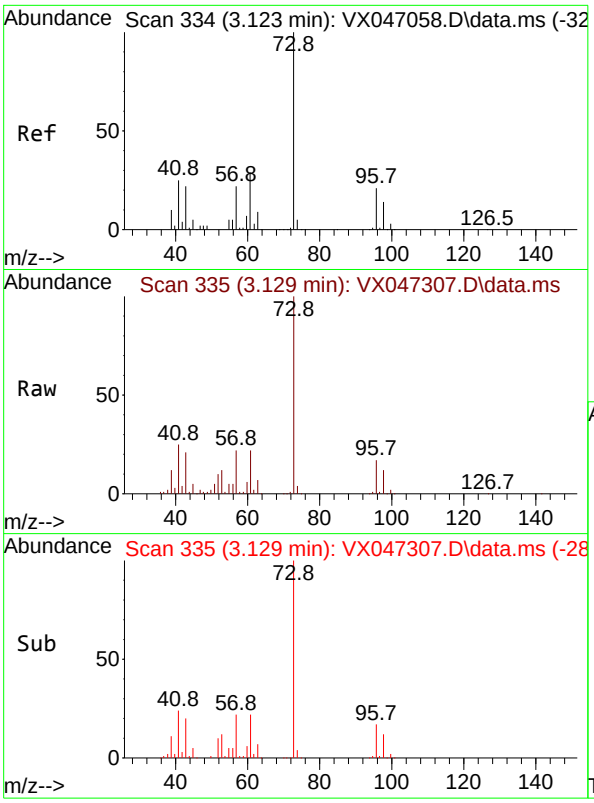


#18
Methyl Acetate
Concen: 58.297 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 43 Resp: 166988

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.7	26.5



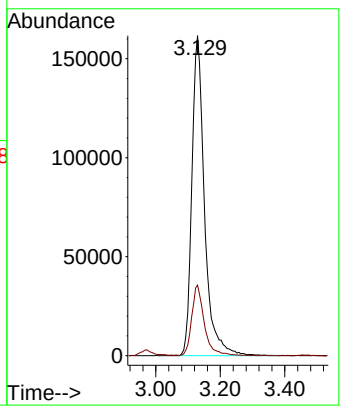


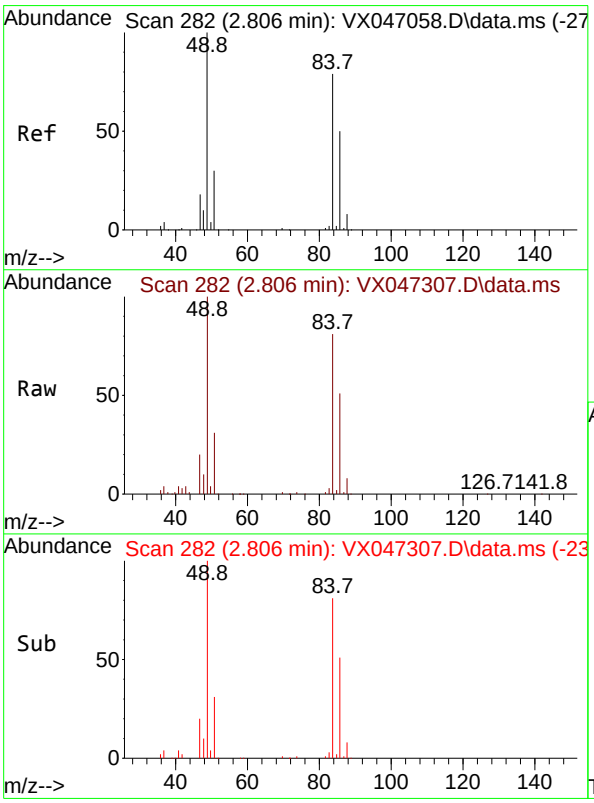
#19
Methyl tert-butyl Ether
Concen: 53.243 ug/l
RT: 3.129 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 439853

Ion	Ratio	Lower	Upper
73	100		
57	22.1	17.7	26.5

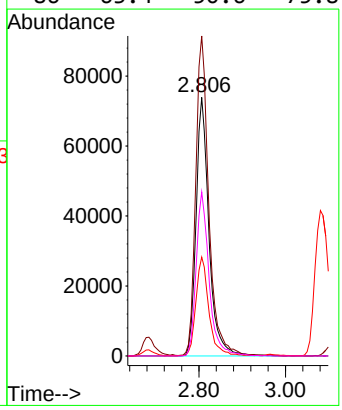


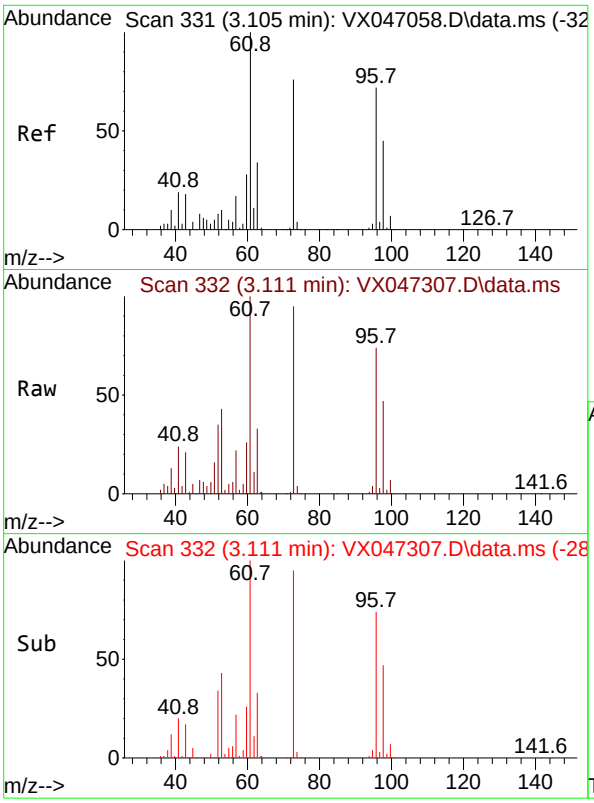


#20
Methylene Chloride
Concen: 51.514 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 84 Resp: 152756

Ion	Ratio	Lower	Upper
84	100		
49	123.6	101.6	152.4
51	38.1	30.3	45.5
86	63.4	50.6	75.8



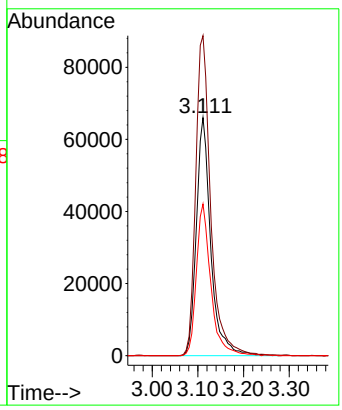


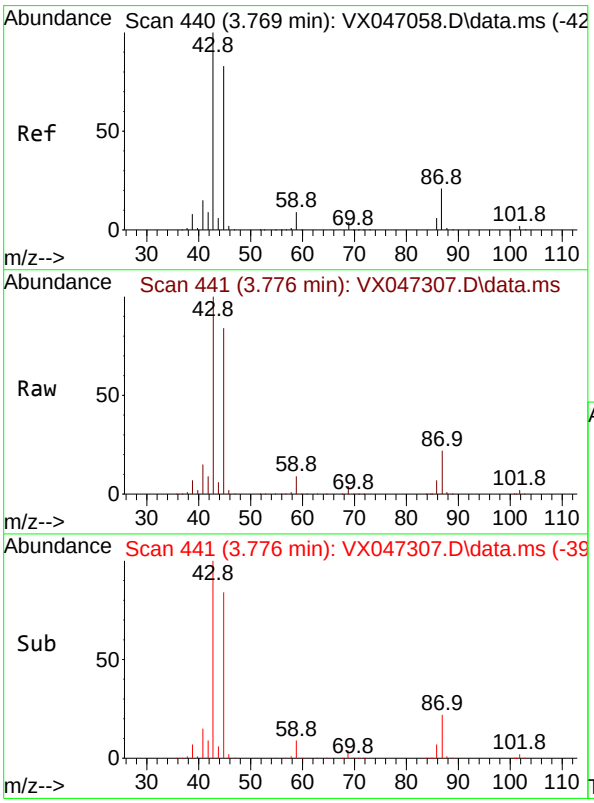
#21
trans-1,2-Dichloroethene
Concen: 52.222 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 145059

Ion	Ratio	Lower	Upper
96	100		
61	134.4	111.1	166.7
98	63.7	49.6	74.4

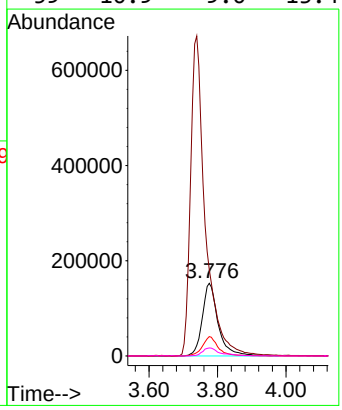


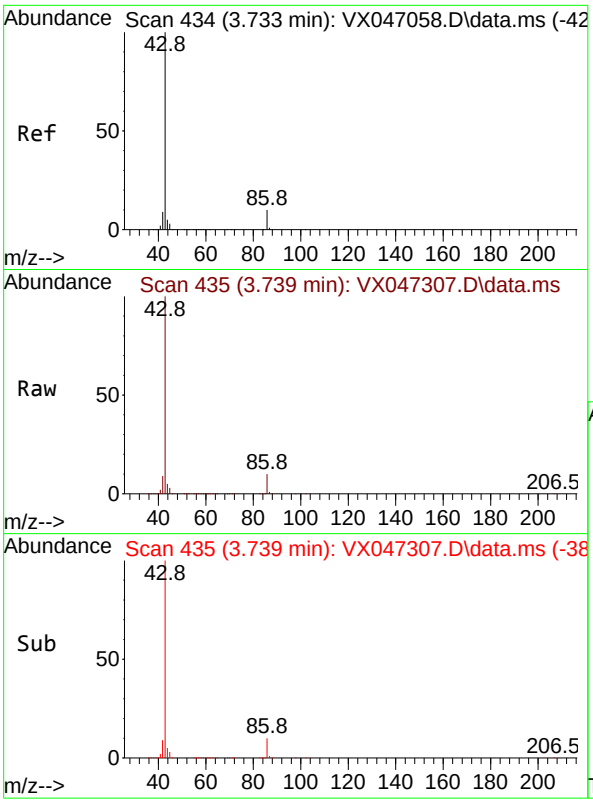


#22
Diisopropyl ether
Concen: 52.281 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 45 Resp: 493204

Ion	Ratio	Lower	Upper
45	100		
43	119.1	96.8	145.2
87	26.4	20.5	30.7
59	10.9	9.0	13.4



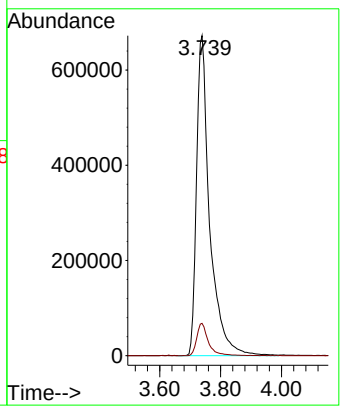


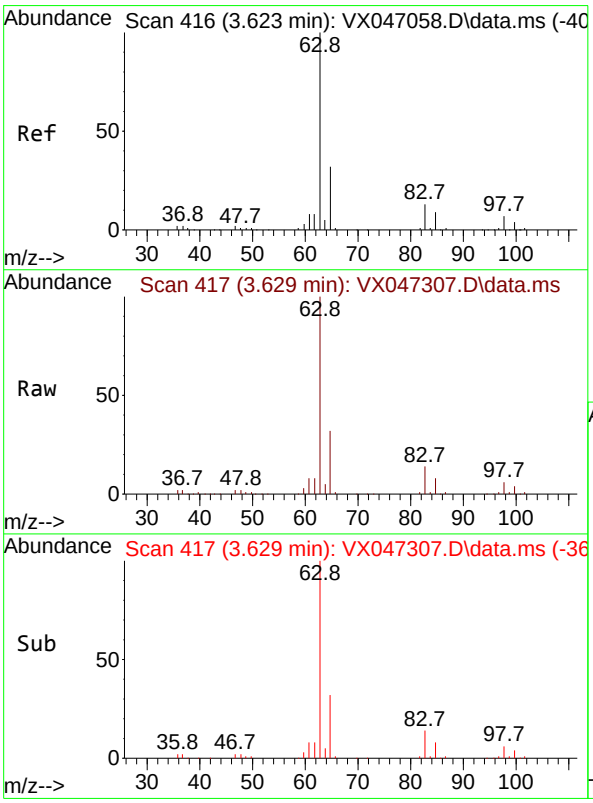
#23
Vinyl Acetate
Concen: 267.002 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 2020262

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

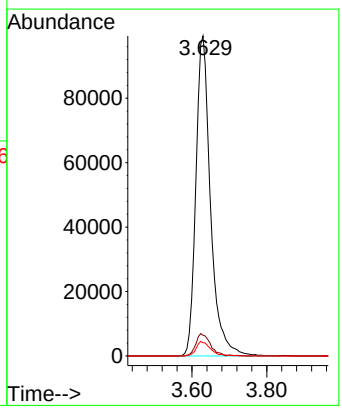


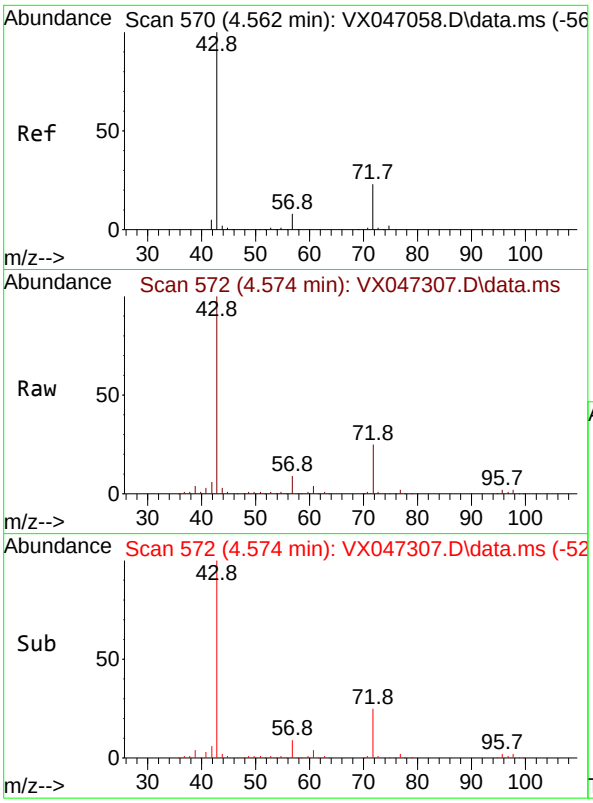


#24
1,1-Dichloroethane
Concen: 51.439 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 63 Resp: 269844

Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.6	10.8
100	4.1	2.3	6.8



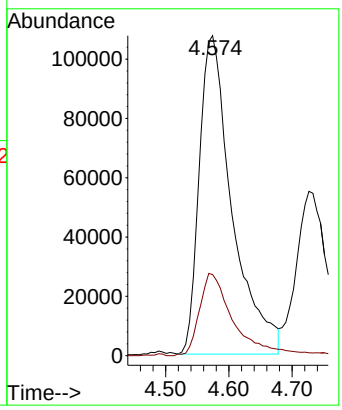


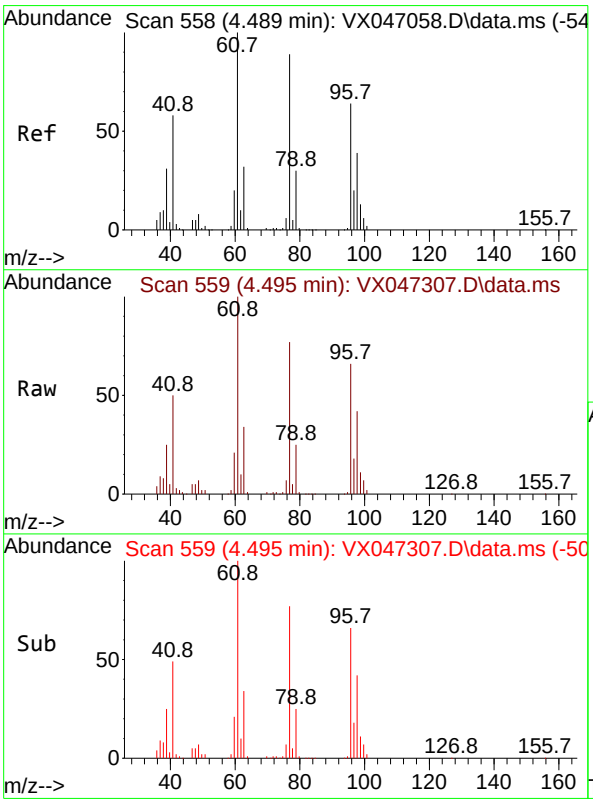
#25
2-Butanone
Concen: 247.769 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 388866

Ion	Ratio	Lower	Upper
43	100		
72	26.2	18.8	28.2

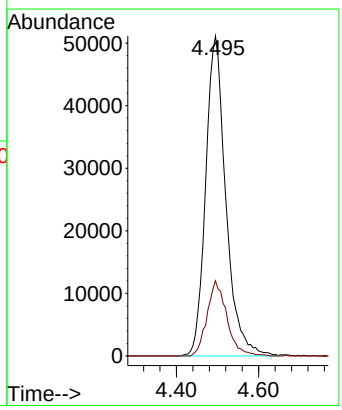


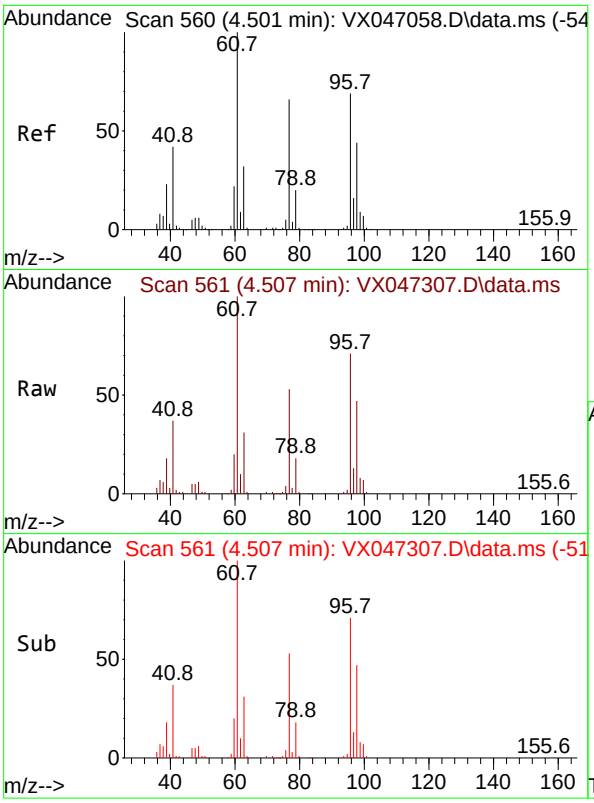


#26
2,2-Dichloropropane
Concen: 42.869 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 77 Resp: 174083

Ion	Ratio	Lower	Upper
77	100		
97	23.1	11.4	34.1



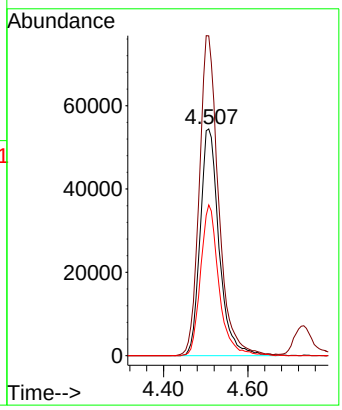


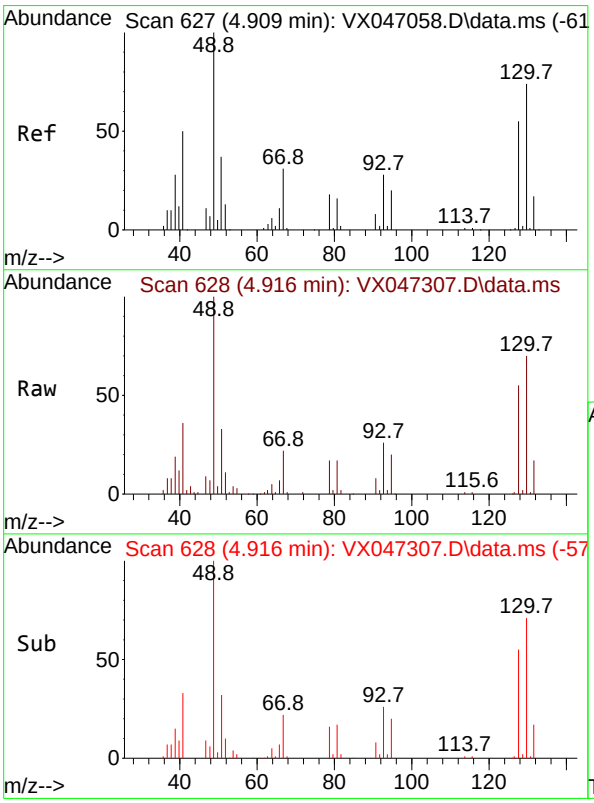
#27
cis-1,2-Dichloroethene
Concen: 51.739 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 170185

Ion	Ratio	Lower	Upper
96	100		
61	143.6	0.0	298.6
98	63.9	0.0	128.8

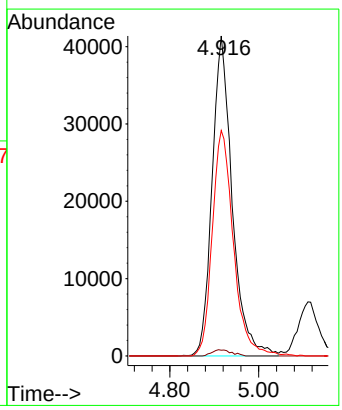


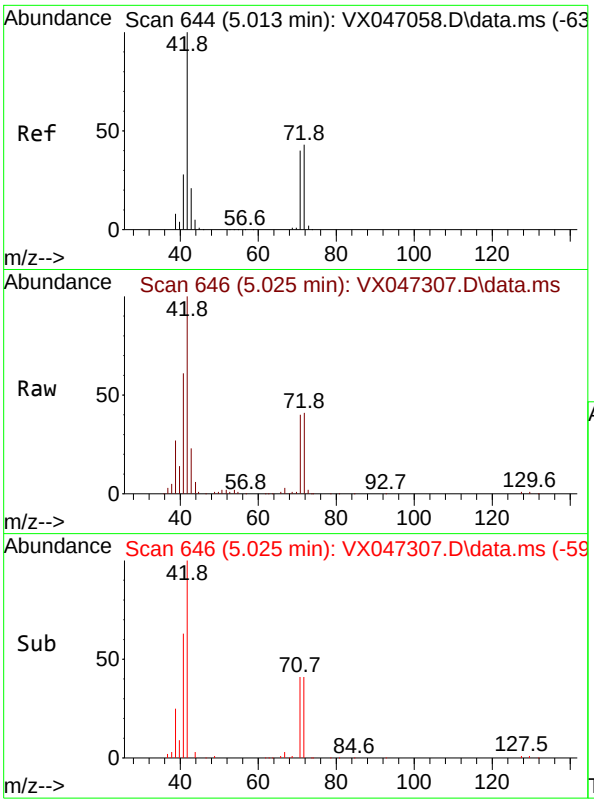


#28
Bromochloromethane
Concen: 53.858 ug/l
RT: 4.916 min Scan# 628
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 49 Resp: 129983

Ion	Ratio	Lower	Upper
49	100		
129	1.9	0.0	3.8
130	73.8	59.0	88.4



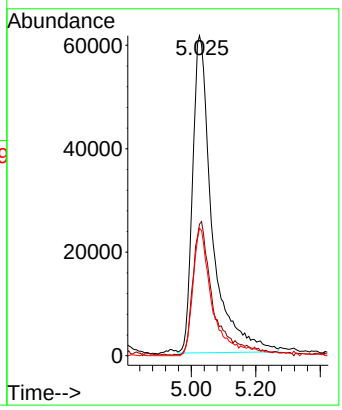


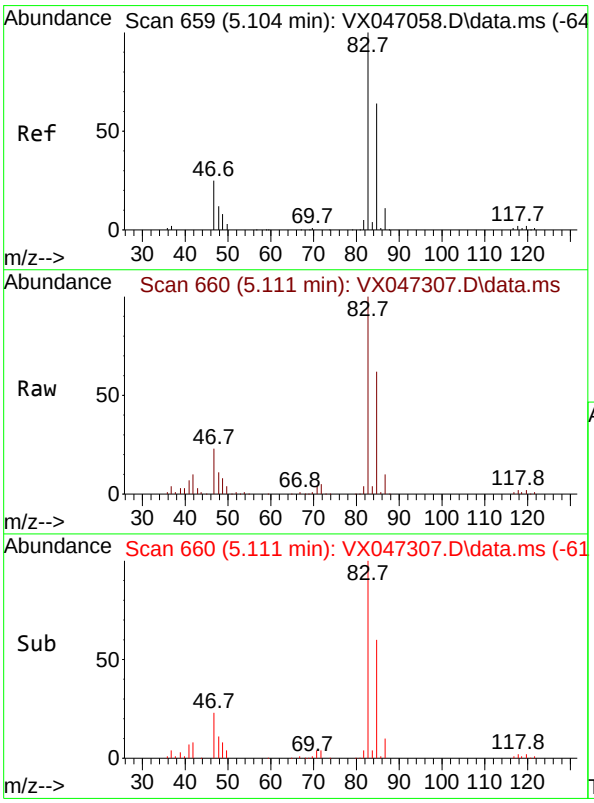
#29
Tetrahydrofuran
Concen: 255.772 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 259007

Ion	Ratio	Lower	Upper
42	100		
72	42.7	33.7	50.5
71	39.1	31.0	46.4

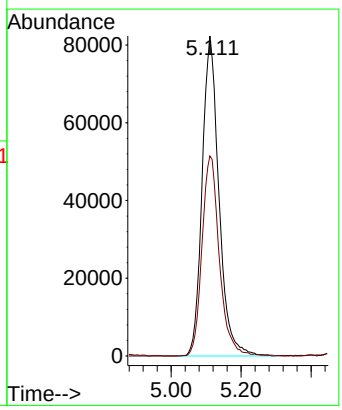


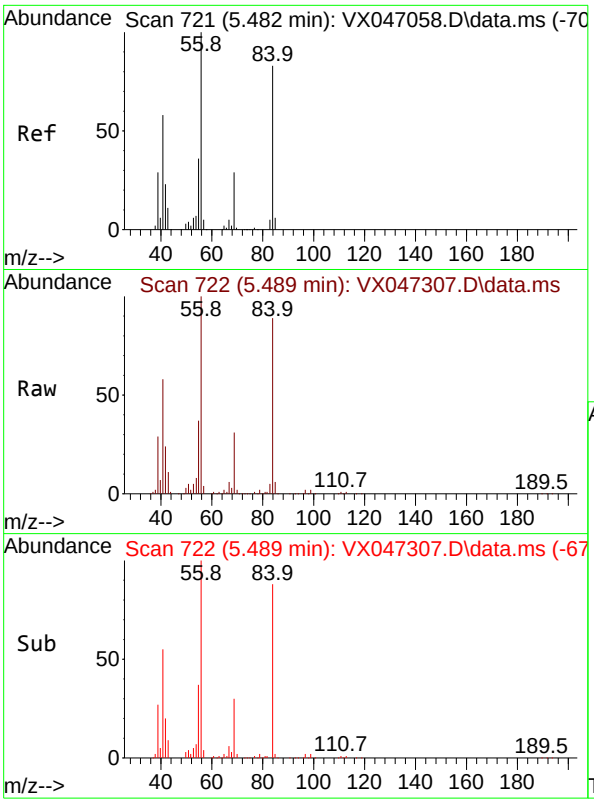


#30
Chloroform
Concen: 51.222 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 83 Resp: 273523

Ion	Ratio	Lower	Upper
83	100		
85	62.5	50.9	76.3



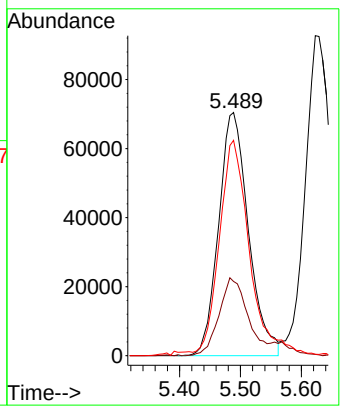


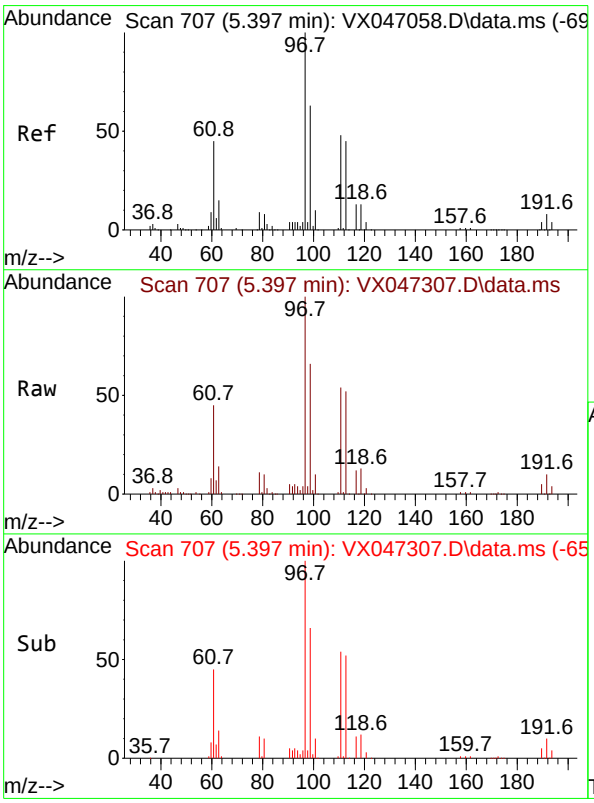
#31
Cyclohexane
Concen: 47.631 ug/l
RT: 5.489 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 239579

Ion	Ratio	Lower	Upper
56	100		
69	30.1	23.3	34.9
84	87.2	66.5	99.7

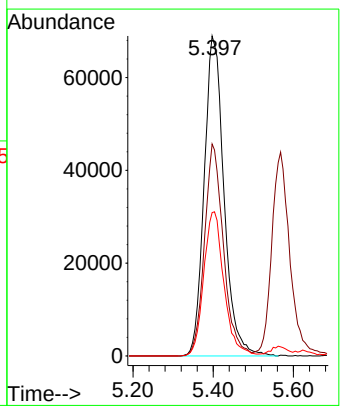


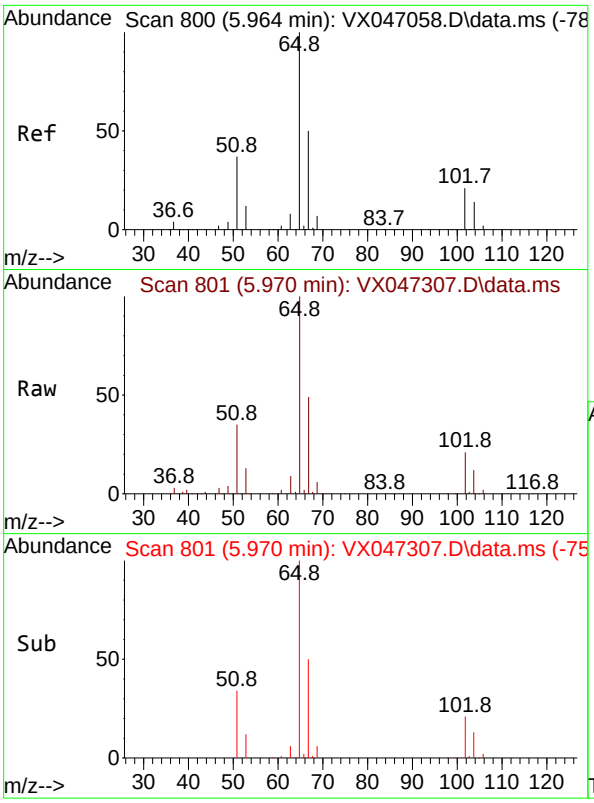


#32
1,1,1-Trichloroethane
Concen: 51.073 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 97 Resp: 236883

Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	46.0	37.1	55.7



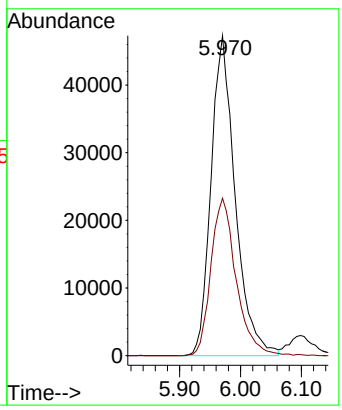


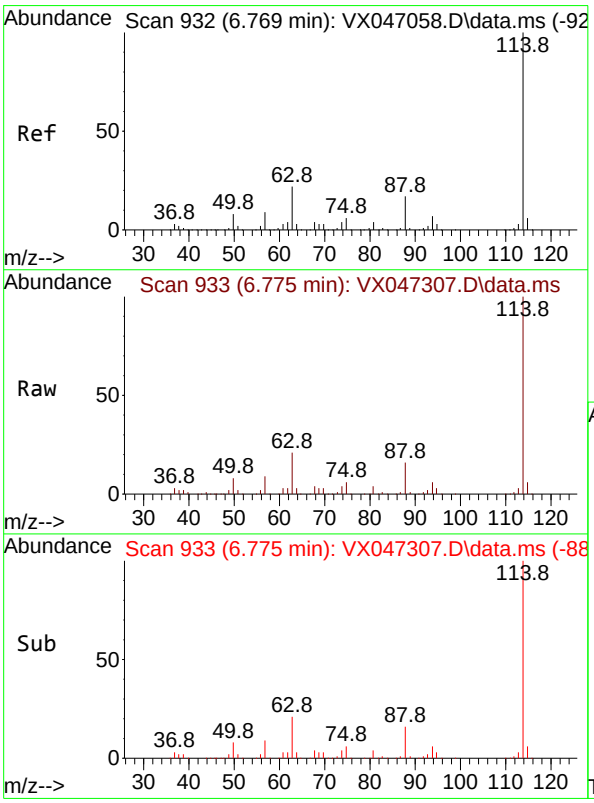
#33
1,2-Dichloroethane-d4
Concen: 48.424 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 130292

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8

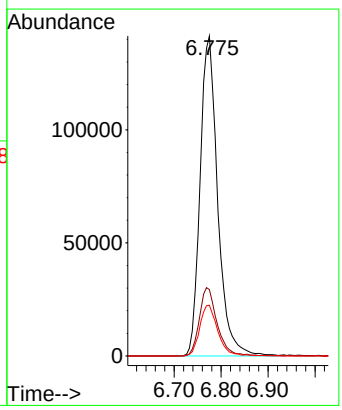


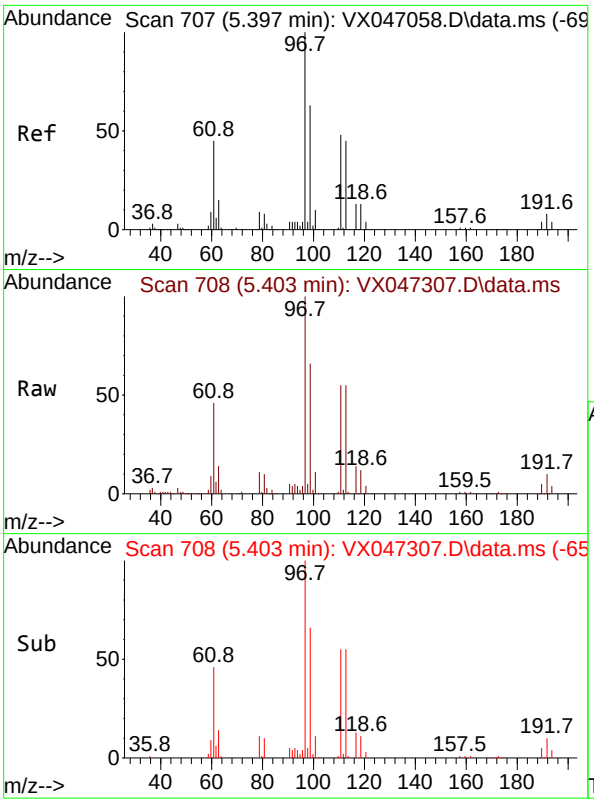


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:114 Resp: 368205

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	43.2
88	15.9	0.0	33.8



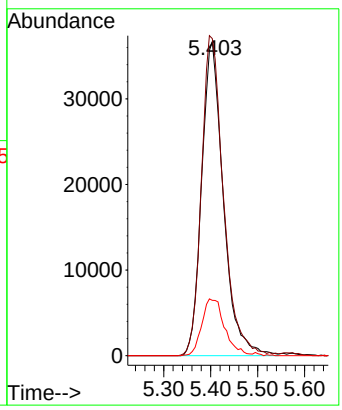


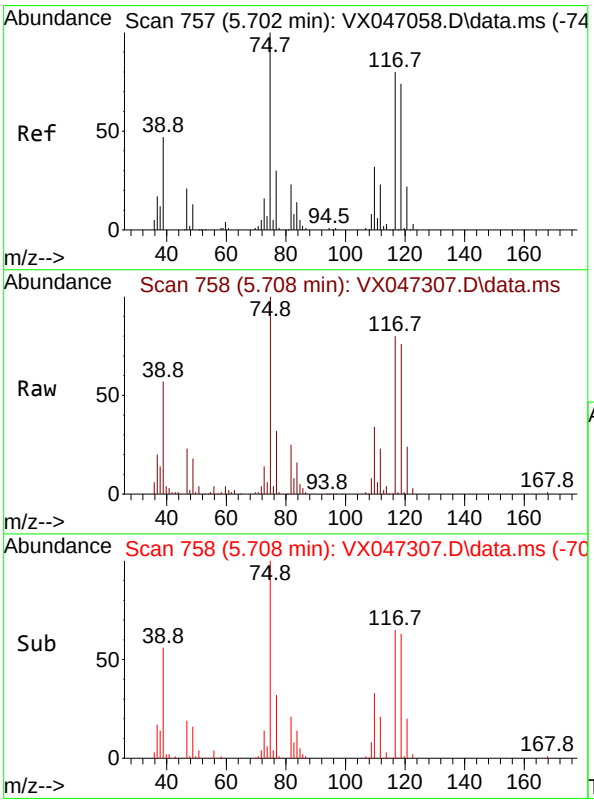
#35
Dibromofluoromethane
Concen: 51.707 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 117551

Ion	Ratio	Lower	Upper
113	100		
111	103.3	82.6	124.0
192	19.0	14.9	22.3

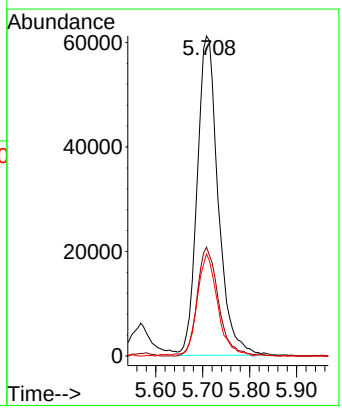


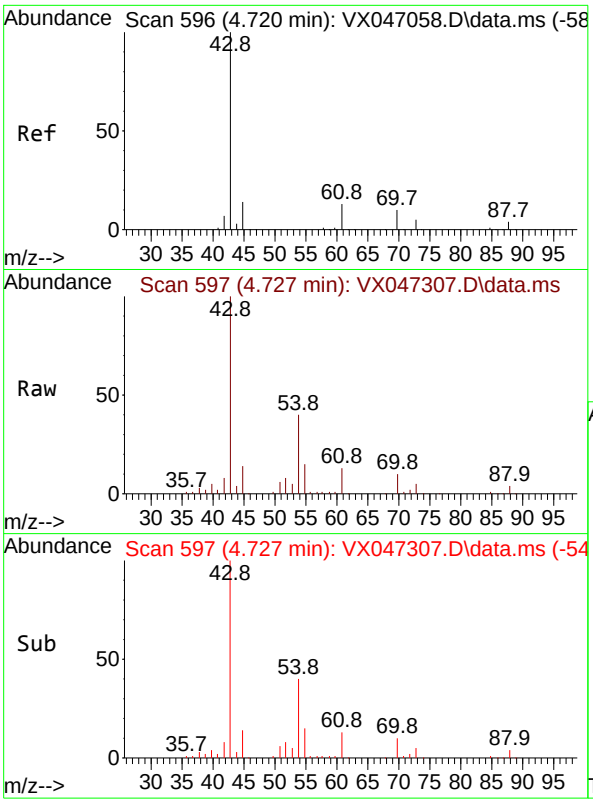


#36
1,1-Dichloropropene
Concen: 48.951 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 75 Resp: 189695

Ion	Ratio	Lower	Upper
75	100		
110	34.3	17.2	51.5
77	31.4	25.1	37.7



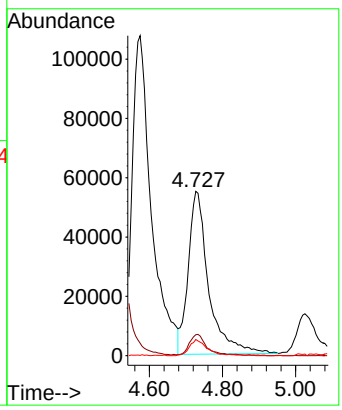


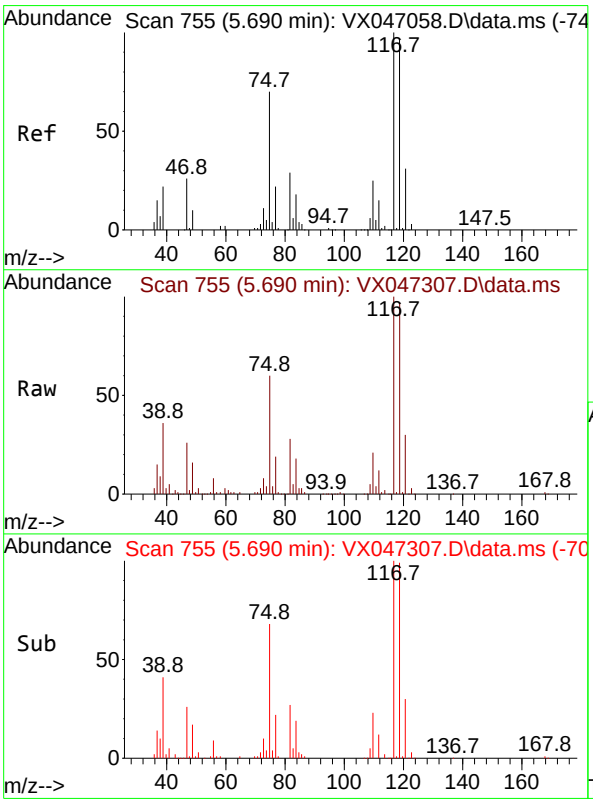
#37
Ethyl Acetate
Concen: 59.891 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 213863

Ion	Ratio	Lower	Upper
43	100		
61	10.7	10.2	15.2
70	8.3	8.1	12.1

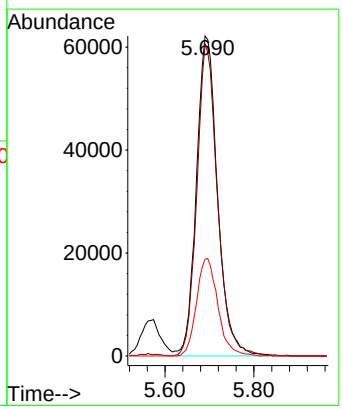


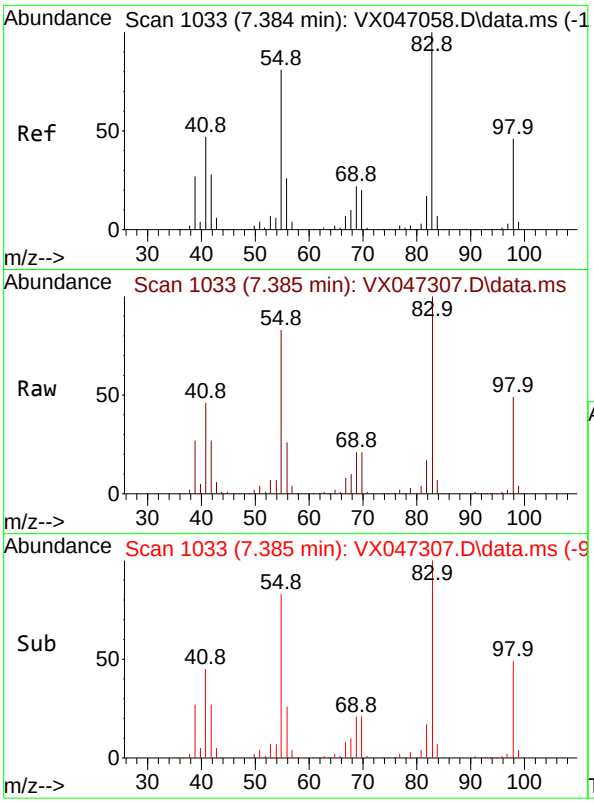


#38
Carbon Tetrachloride
Concen: 49.665 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:117 Resp: 205421

Ion	Ratio	Lower	Upper
117	100		
119	97.3	76.6	115.0
121	30.2	24.4	36.6



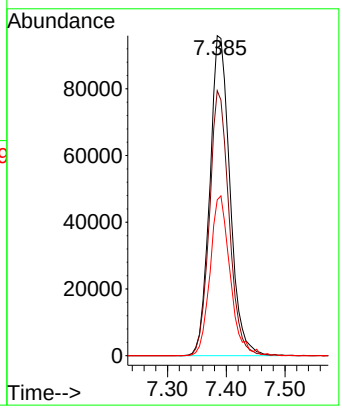


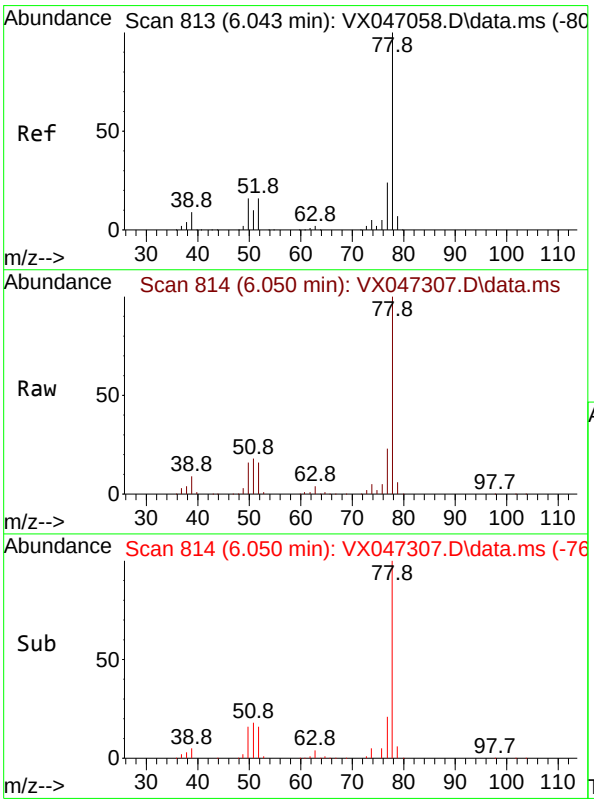
#39
Methylcyclohexane
Concen: 47.179 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 228274

Ion	Ratio	Lower	Upper
83	100		
55	82.8	64.5	96.7
98	48.7	36.9	55.3

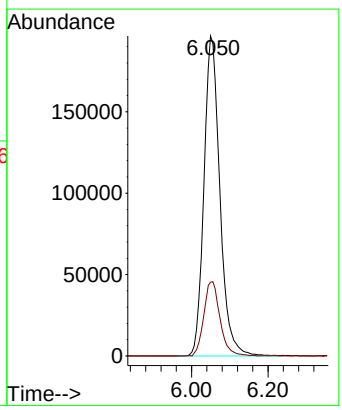


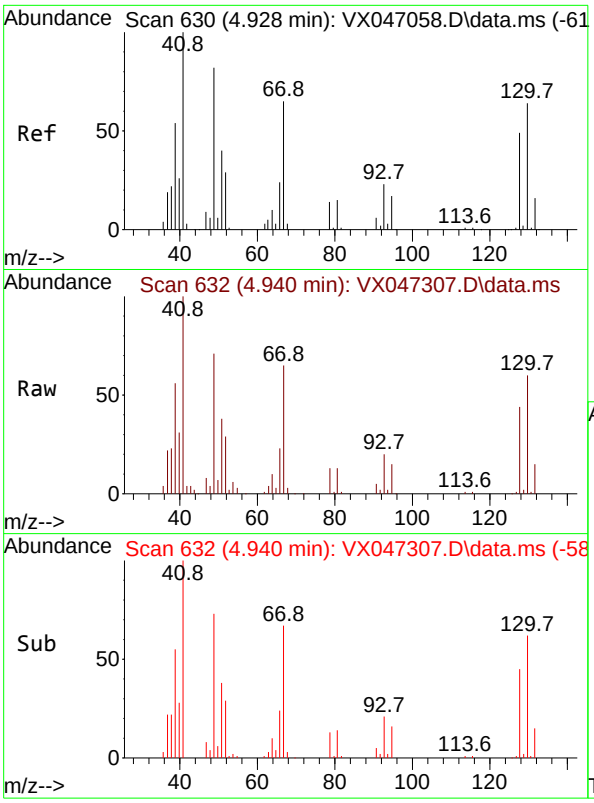


#40
Benzene
Concen: 50.647 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 78 Resp: 568008

Ion	Ratio	Lower	Upper
78	100		
77	23.1	19.0	28.4



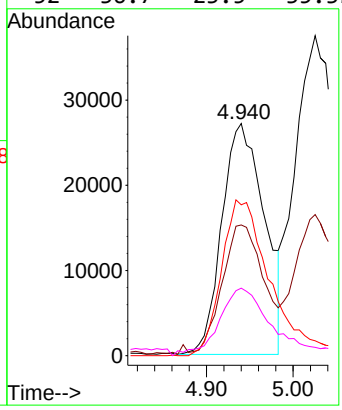


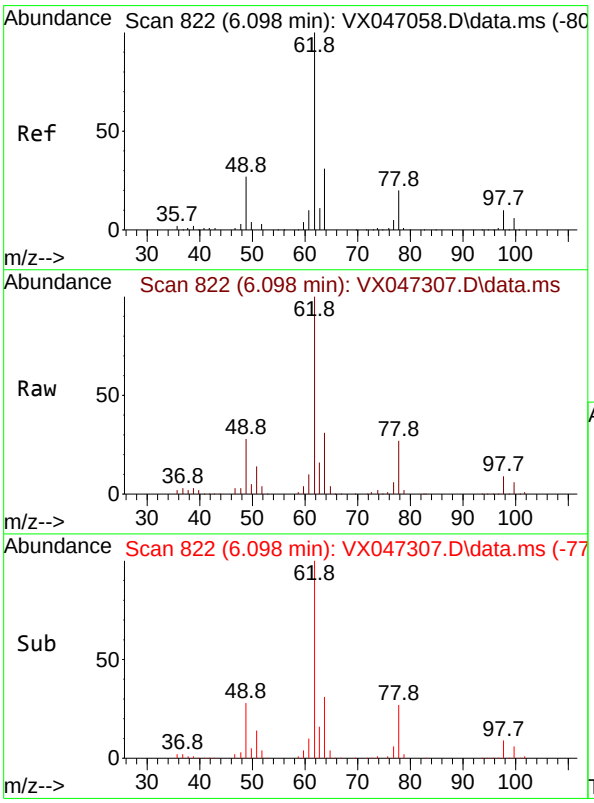
#41
Methacrylonitrile
Concen: 49.535 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 92486

Ion	Ratio	Lower	Upper
41	100		
39	53.4	44.2	66.2
67	78.2	56.4	84.6
52	36.7	23.5	35.3#

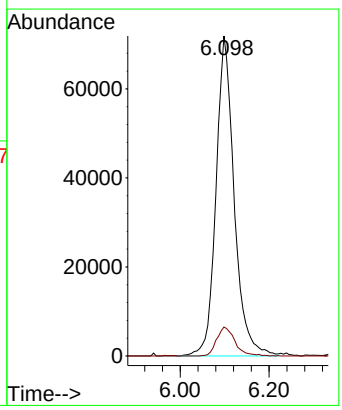


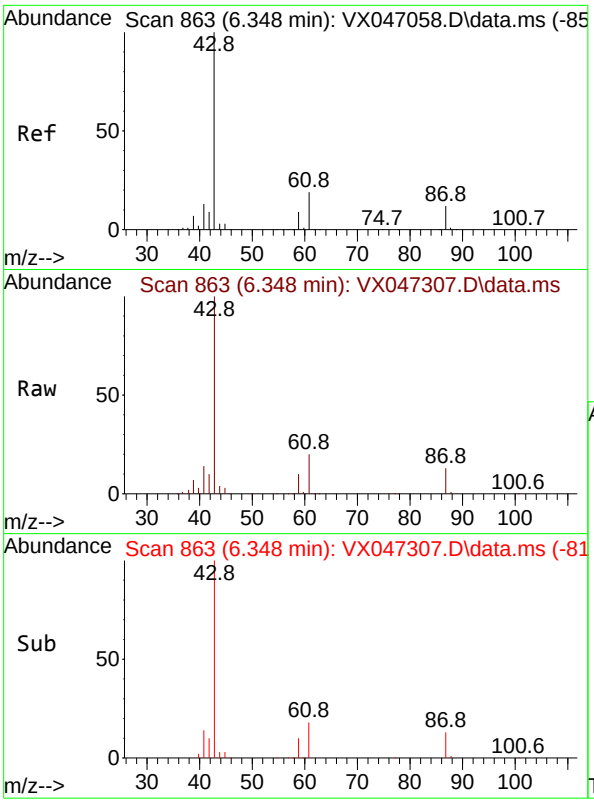


#42
1,2-Dichloroethane
Concen: 51.596 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 62 Resp: 203832

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8



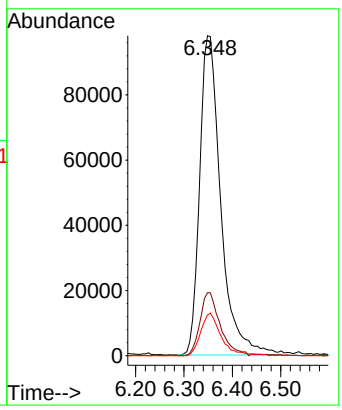


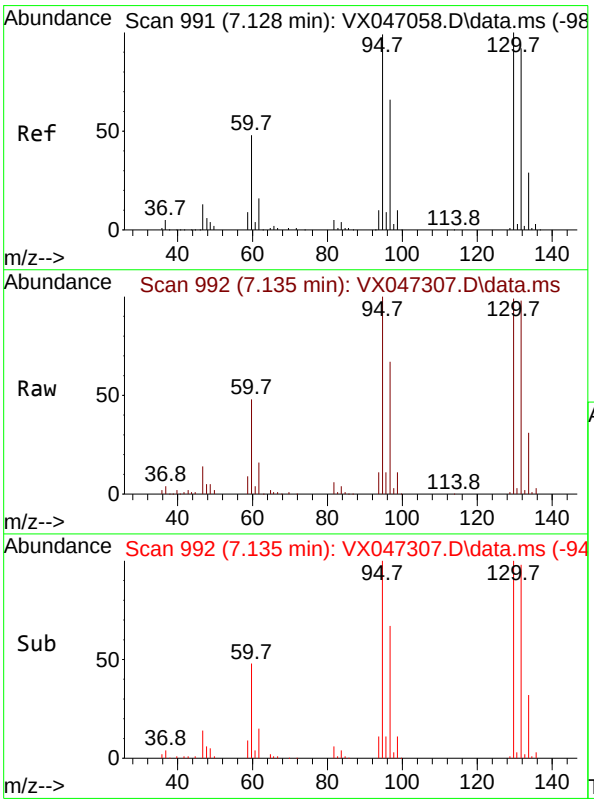
#43
Isopropyl Acetate
Concen: 53.445 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 297523

Ion	Ratio	Lower	Upper
43	100		
61	18.9	15.1	22.7
87	12.6	9.7	14.5

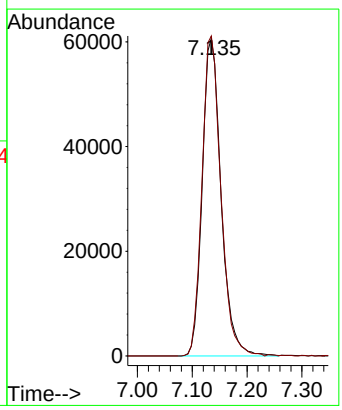


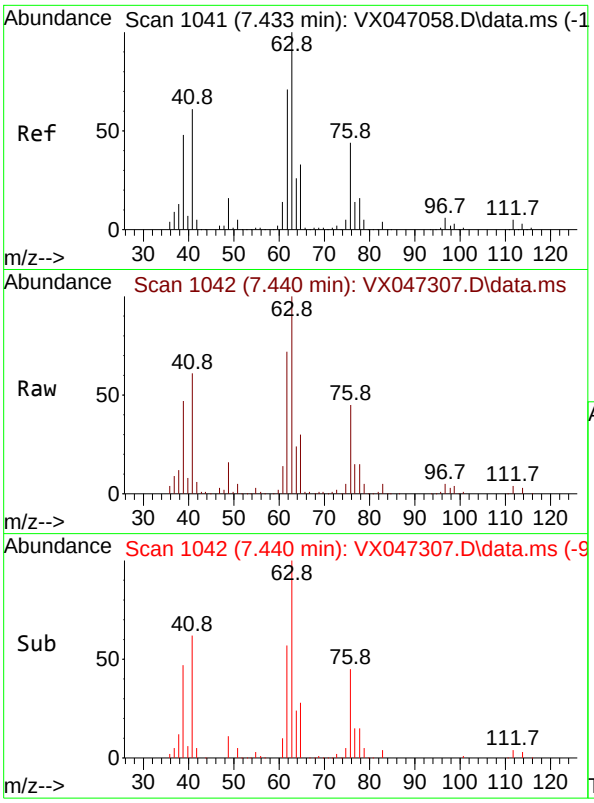


#44
Trichloroethene
Concen: 50.265 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:130 Resp: 144557

Ion	Ratio	Lower	Upper
130	100		
95	111.3	0.0	198.6



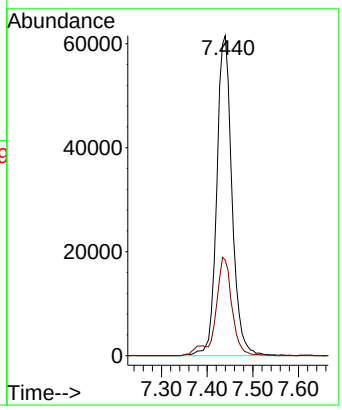


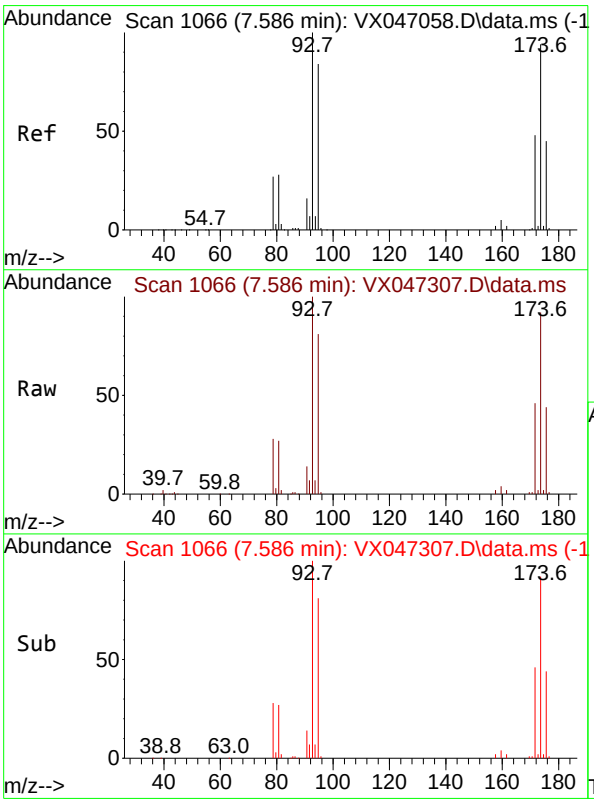
#45
1,2-Dichloropropane
Concen: 50.671 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 142327

Ion	Ratio	Lower	Upper
63	100		
65	29.9	26.3	39.5

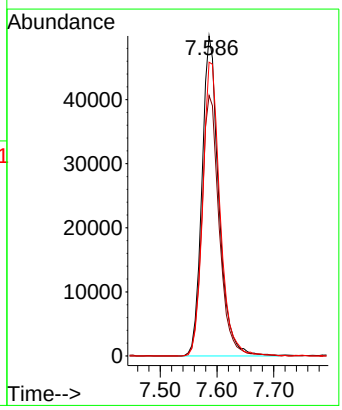


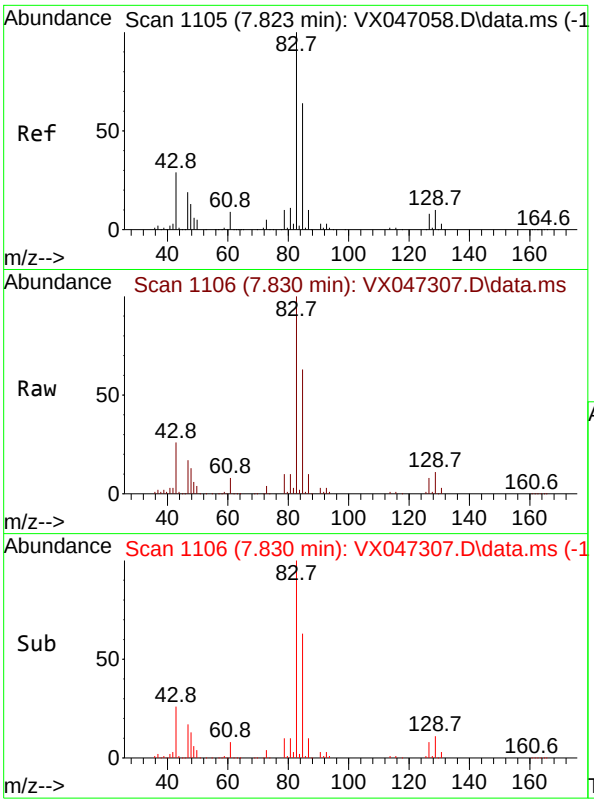


#46
Dibromomethane
Concen: 52.234 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 93 Resp: 102887

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.9	98.9
174	94.1	74.6	112.0



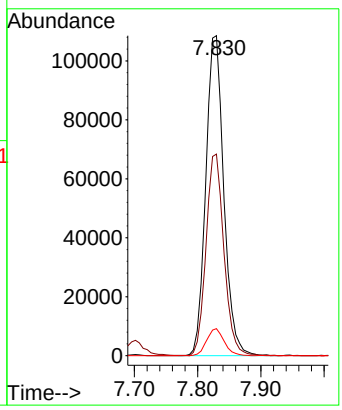


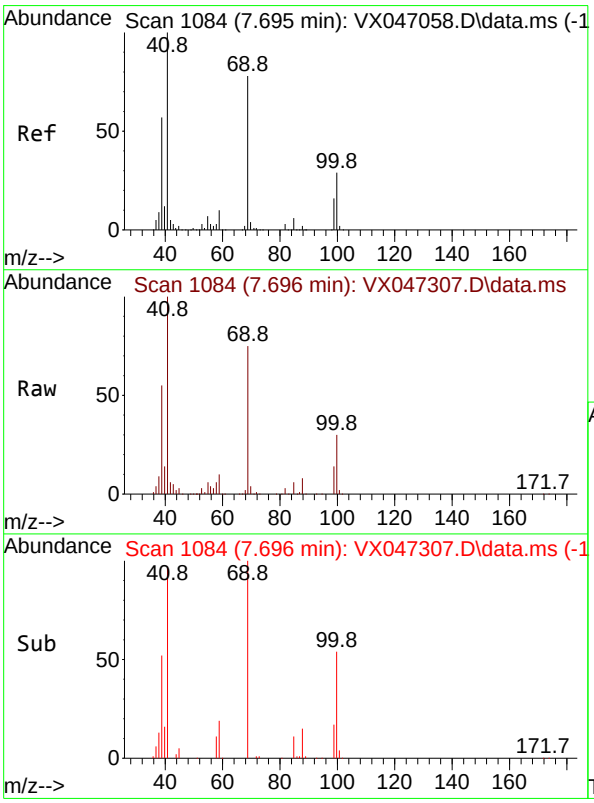
#47
Bromodichloromethane
Concen: 51.231 ug/l
RT: 7.830 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 214793

Ion	Ratio	Lower	Upper
83	100		
85	63.0	49.9	74.9
127	8.5	6.6	10.0

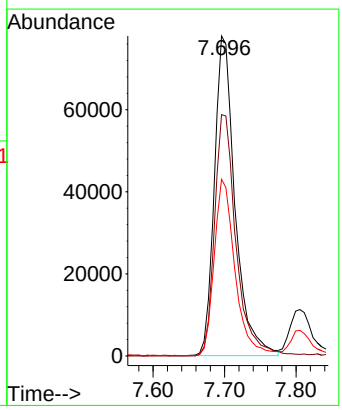


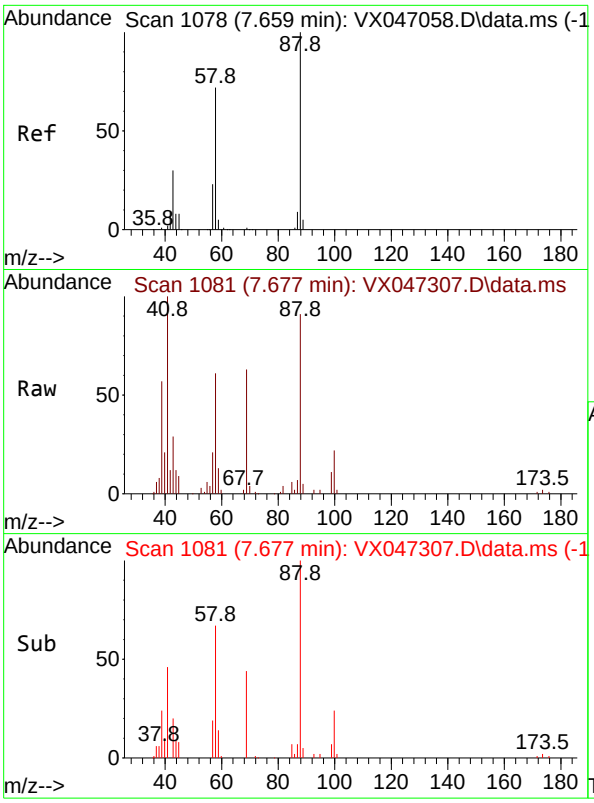


#48
Methyl methacrylate
Concen: 51.748 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 41 Resp: 156932

Ion	Ratio	Lower	Upper
41	100		
69	78.6	62.3	93.5
39	55.5	44.8	67.2



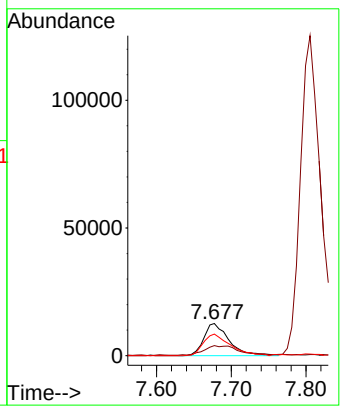


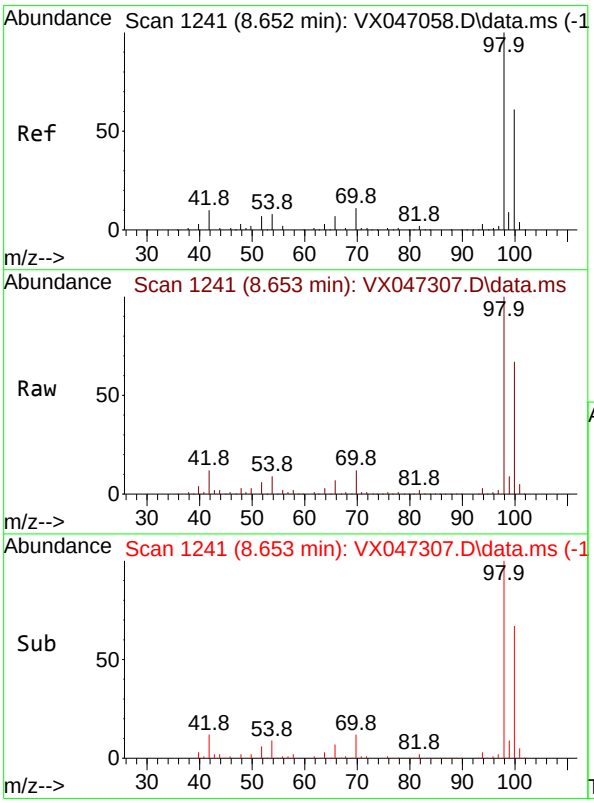
#49
1,4-Dioxane
Concen: 855.697 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 29515

Ion	Ratio	Lower	Upper
88	100		
43	39.9	33.6	50.4
58	72.1	58.8	88.2

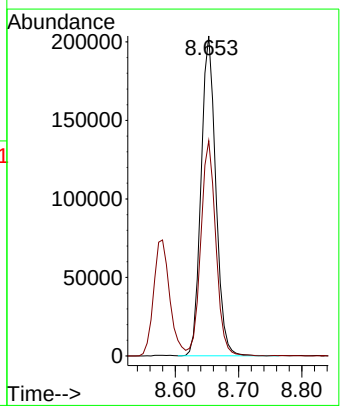


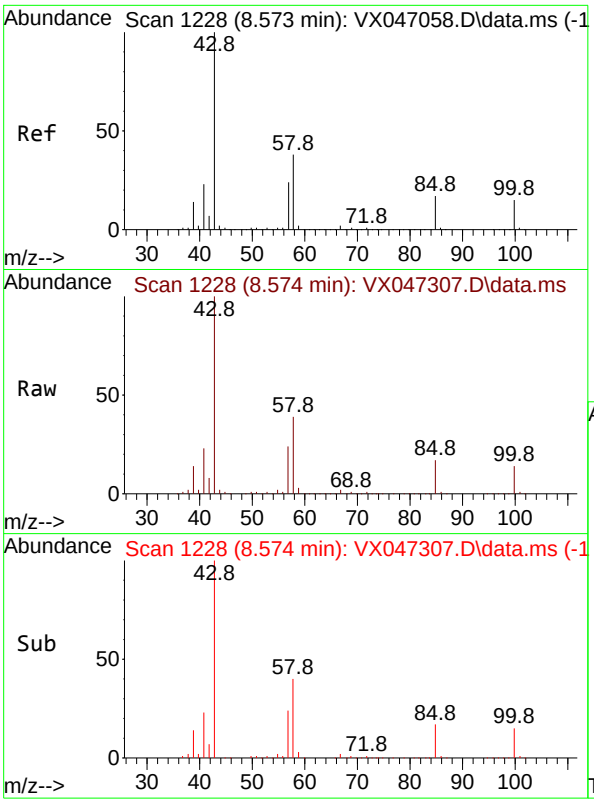


#50
Toluene-d8
Concen: 44.862 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 98 Resp: 330293

Ion	Ratio	Lower	Upper
98	100		
100	68.5	53.3	79.9



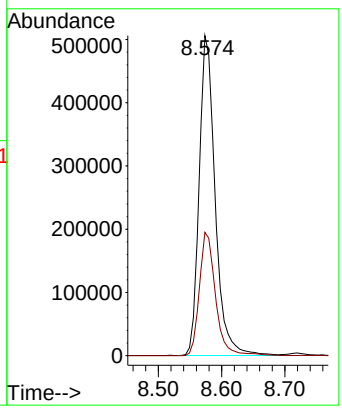


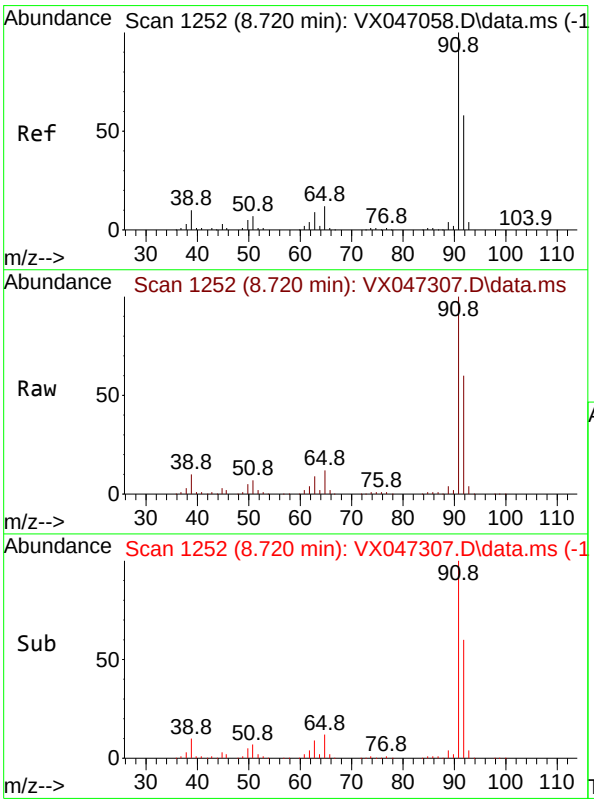
#51
4-Methyl-2-Pentanone
Concen: 269.360 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 891277

Ion	Ratio	Lower	Upper
43	100		
58	39.0	30.6	45.8

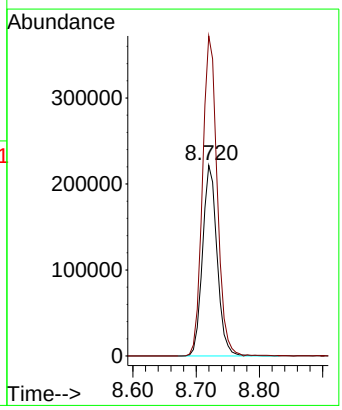


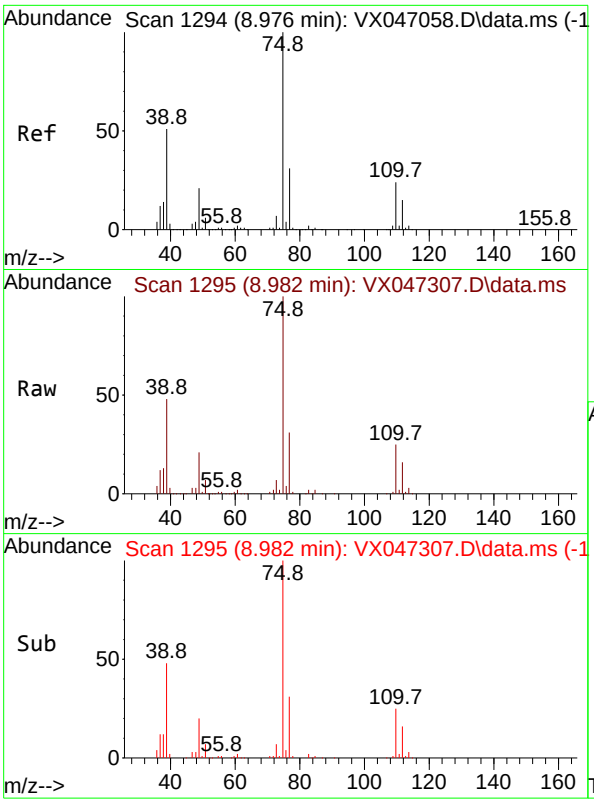


#52
Toluene
Concen: 51.450 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 92 Resp: 354794

Ion	Ratio	Lower	Upper
92	100		
91	169.4	137.9	206.9



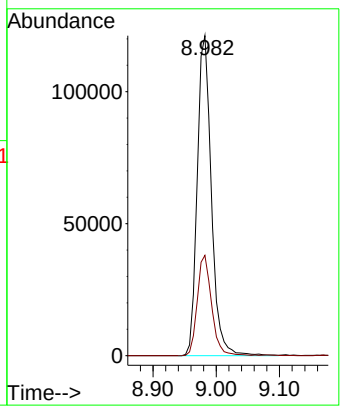


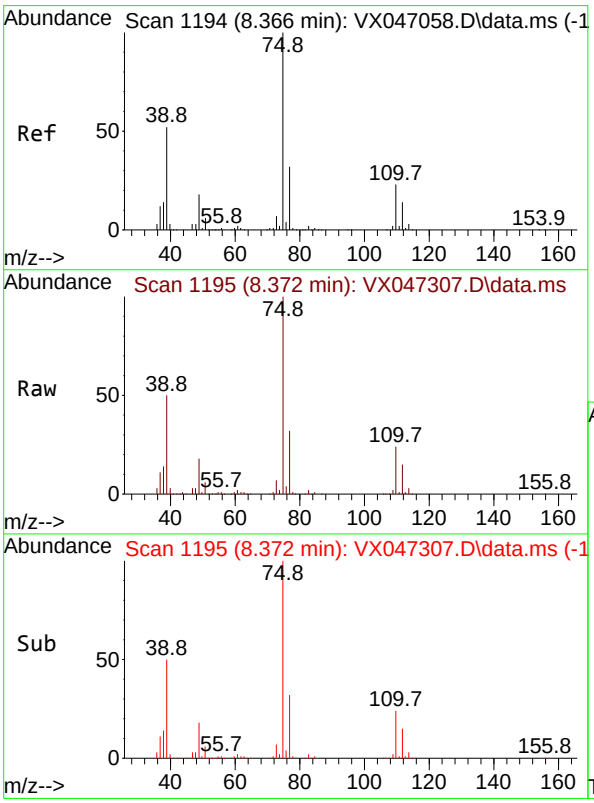
#53
t-1,3-Dichloropropene
Concen: 47.746 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 189031

Ion	Ratio	Lower	Upper
75	100		
77	31.4	24.5	36.7

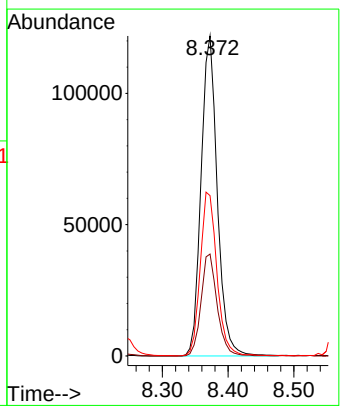


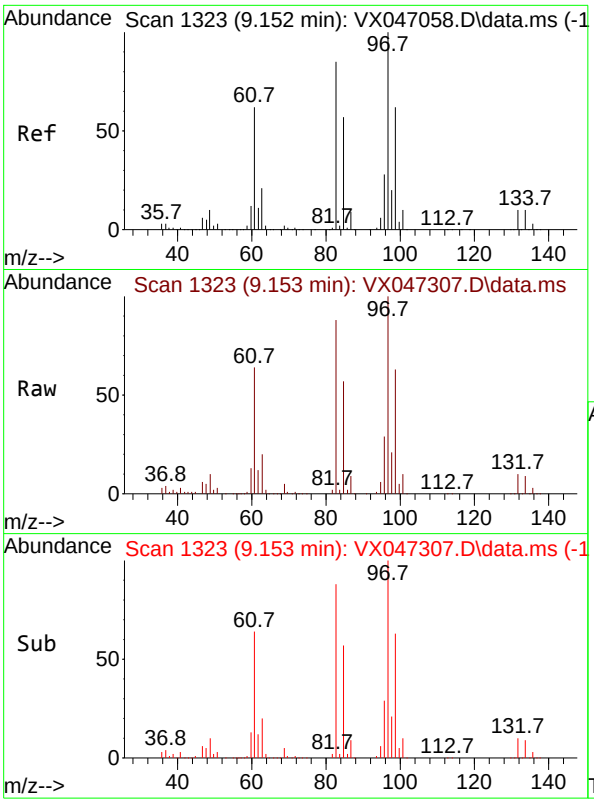


#54
cis-1,3-Dichloropropene
Concen: 48.387 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 75 Resp: 209668

Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.4	38.0
39	50.0	41.8	62.6



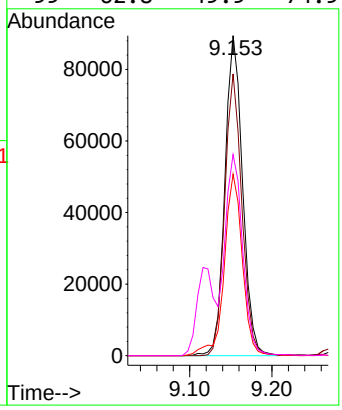


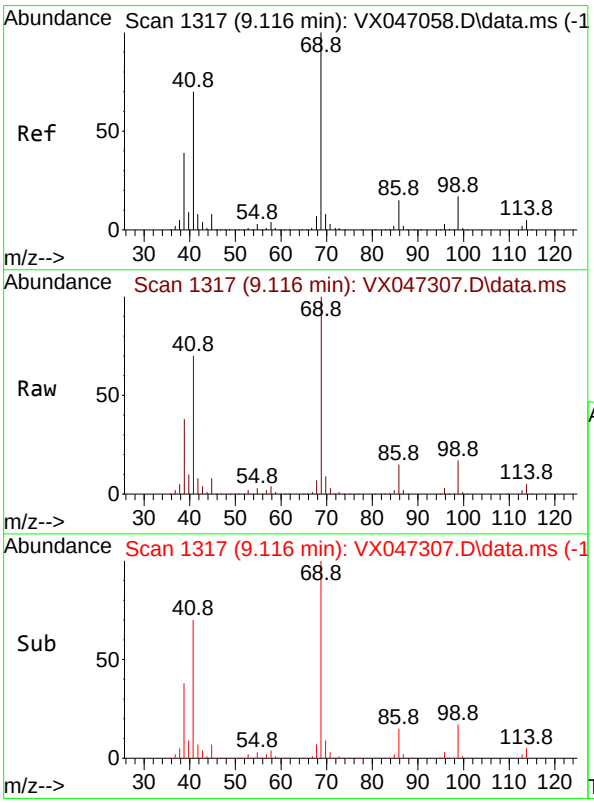
#55
1,1,2-Trichloroethane
Concen: 51.723 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 133763

Ion	Ratio	Lower	Upper
97	100		
83	88.1	68.0	102.0
85	56.7	45.2	67.8
99	62.8	49.9	74.9

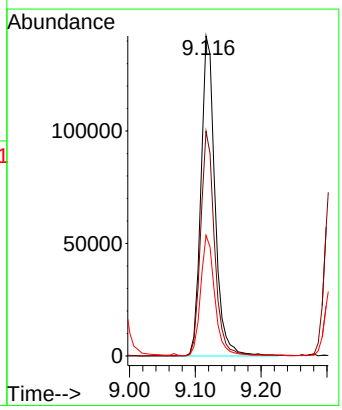


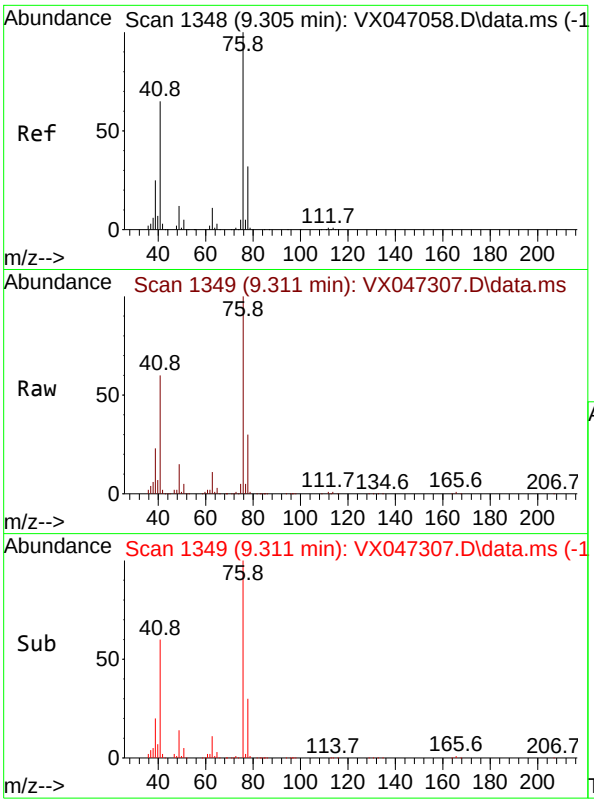


#56
Ethyl methacrylate
Concen: 55.161 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 69 Resp: 211187

Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.1	84.1
39	38.0	31.1	46.7



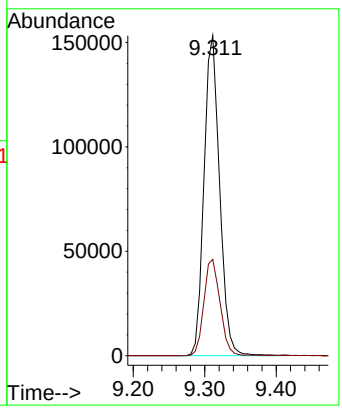


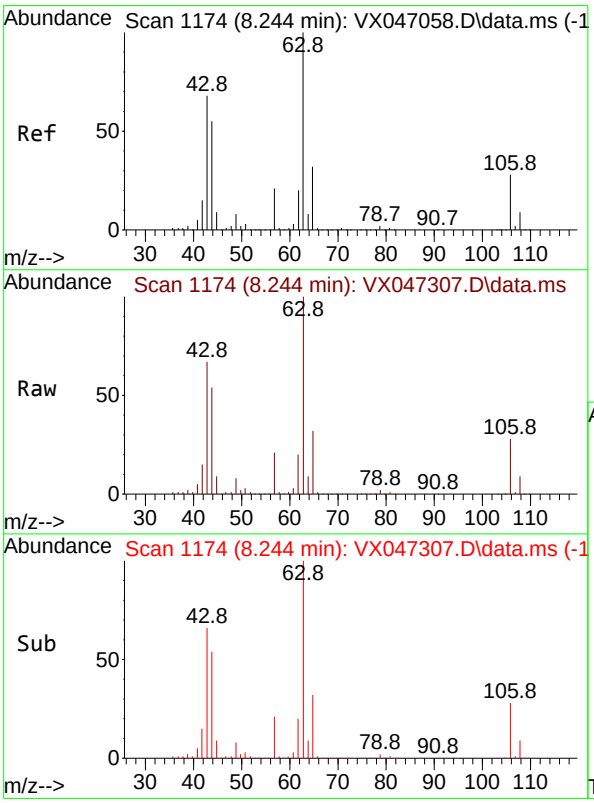
#57
1,3-Dichloropropane
Concen: 51.678 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 232270

Ion	Ratio	Lower	Upper
76	100		
78	31.3	25.5	38.3

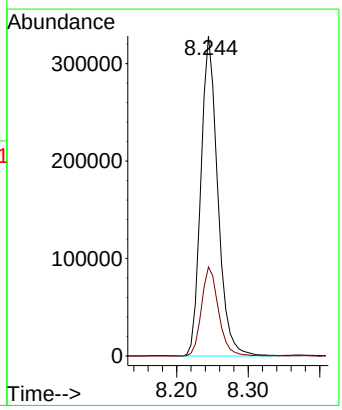


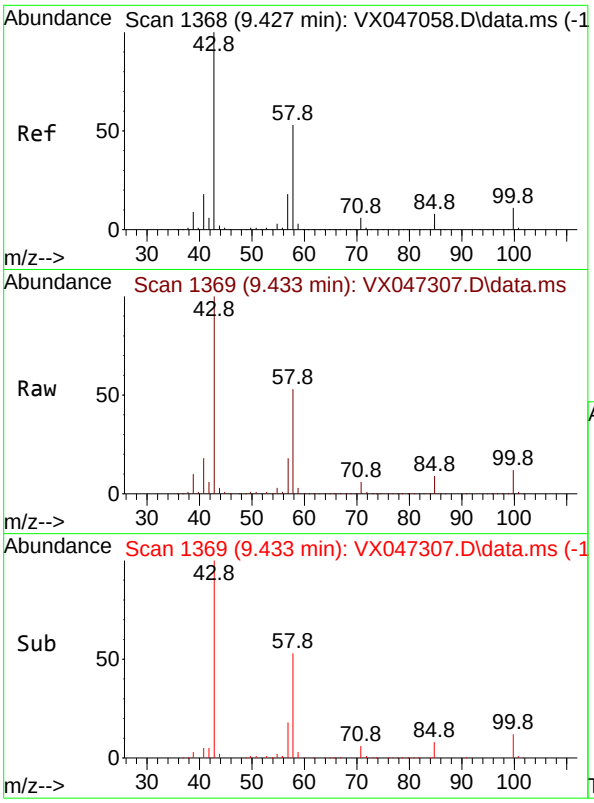


#58
2-Chloroethyl Vinyl ether
Concen: 252.526 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 63 Resp: 537996

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.2	33.4



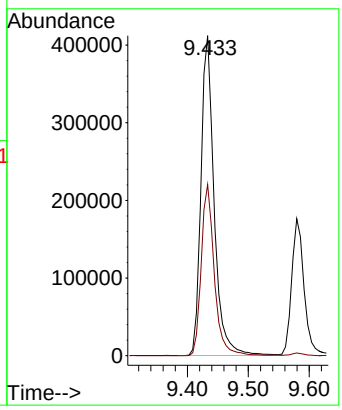


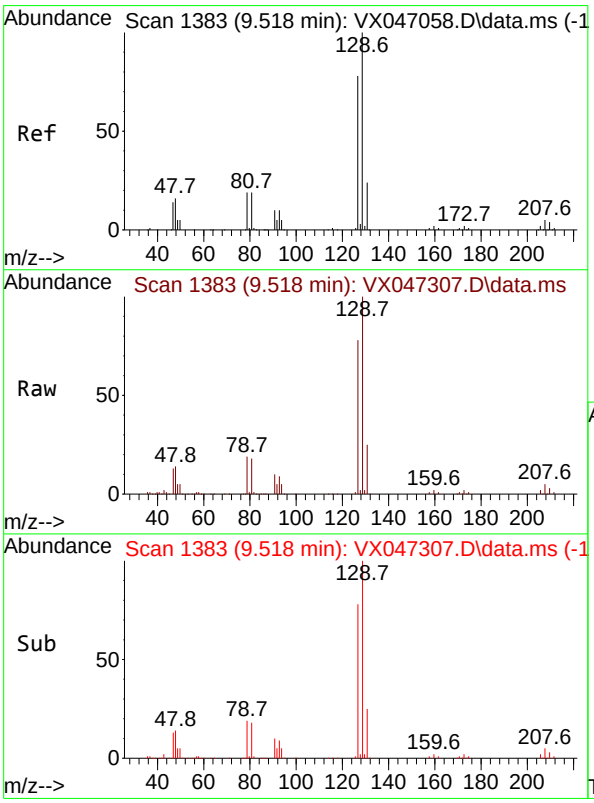
#59
2-Hexanone
Concen: 283.920 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 620680

Ion	Ratio	Lower	Upper
43	100		
58	53.2	26.5	79.5

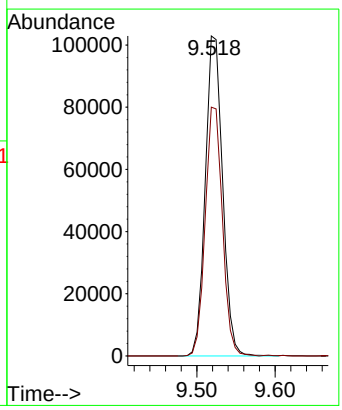


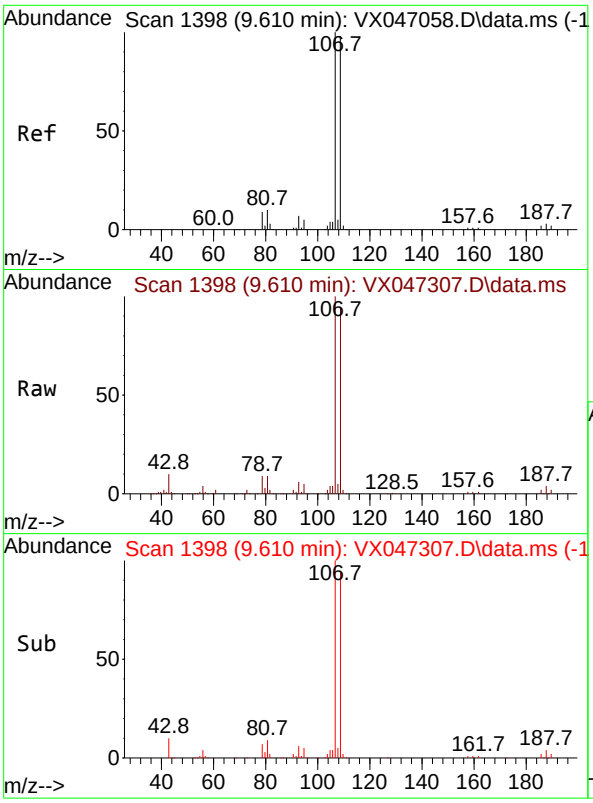


#60
Dibromochloromethane
Concen: 51.976 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:129 Resp: 157647

Ion	Ratio	Lower	Upper
129	100		
127	77.1	38.6	115.8



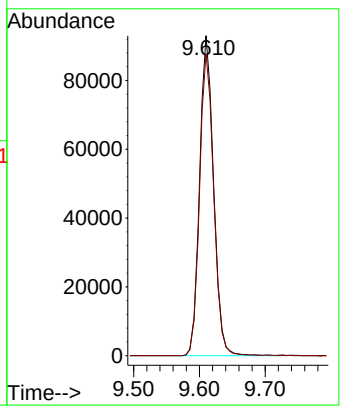


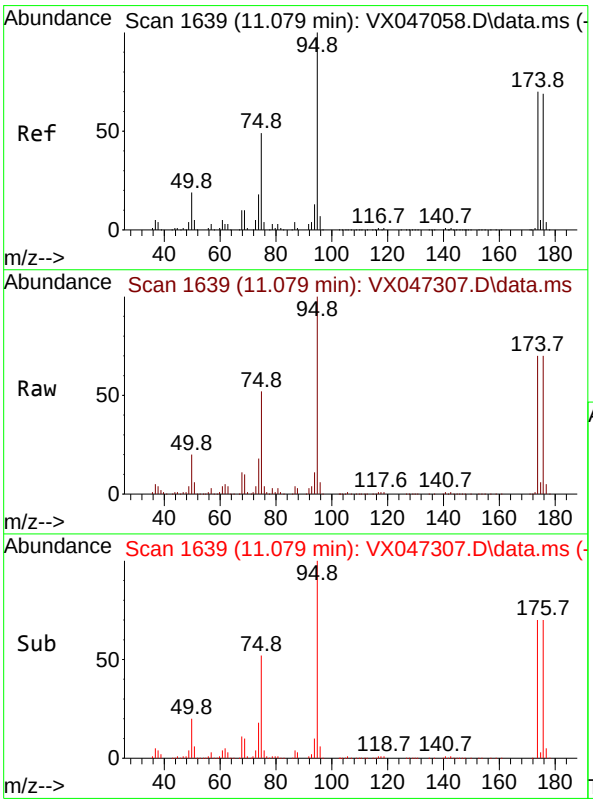
#61
1,2-Dibromoethane
Concen: 50.891 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 137616

Ion	Ratio	Lower	Upper
107	100		
109	95.1	74.6	112.0

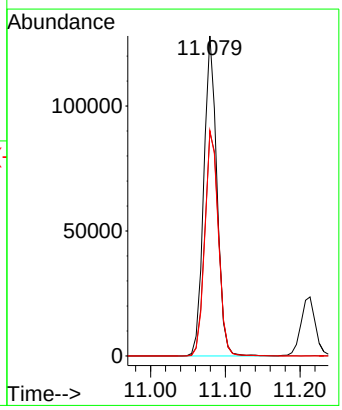


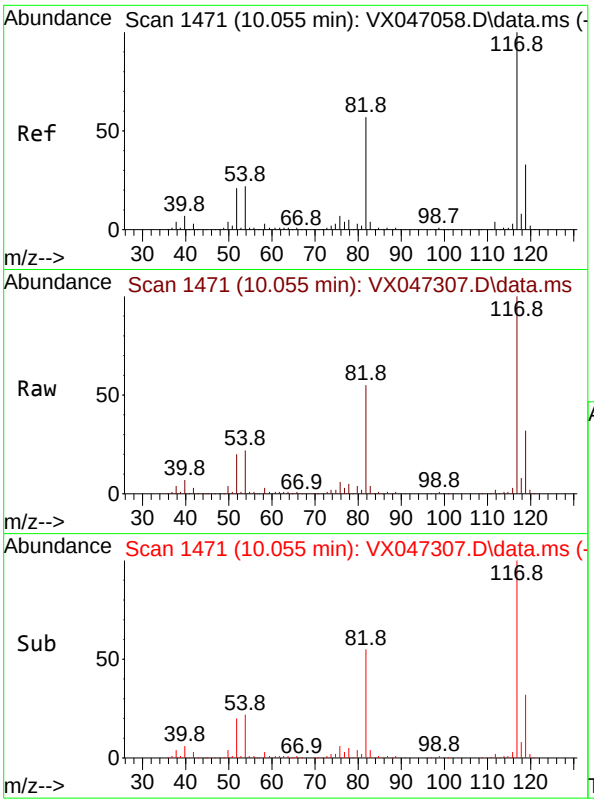


#62
4-Bromofluorobenzene
Concen: 49.091 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 95 Resp: 155757

Ion	Ratio	Lower	Upper
95	100		
174	73.9	0.0	144.6
176	72.5	0.0	139.6



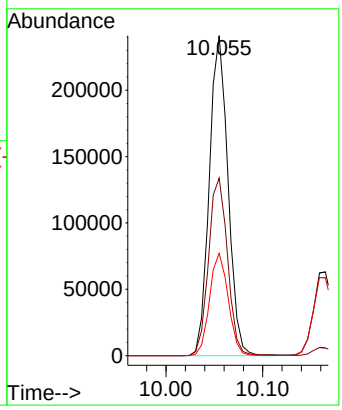


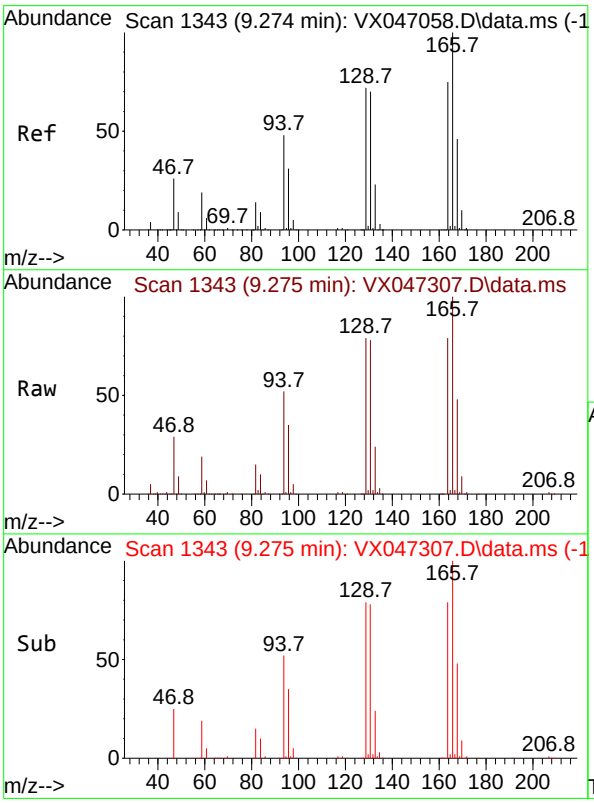
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 323727

Ion	Ratio	Lower	Upper
117	100		
82	55.5	45.4	68.2
119	32.0	26.1	39.1

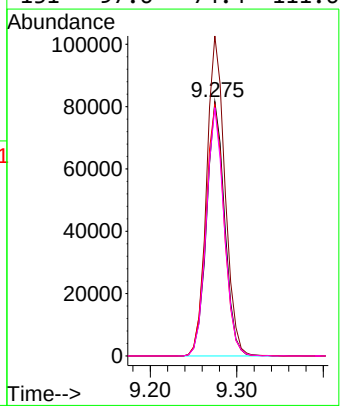


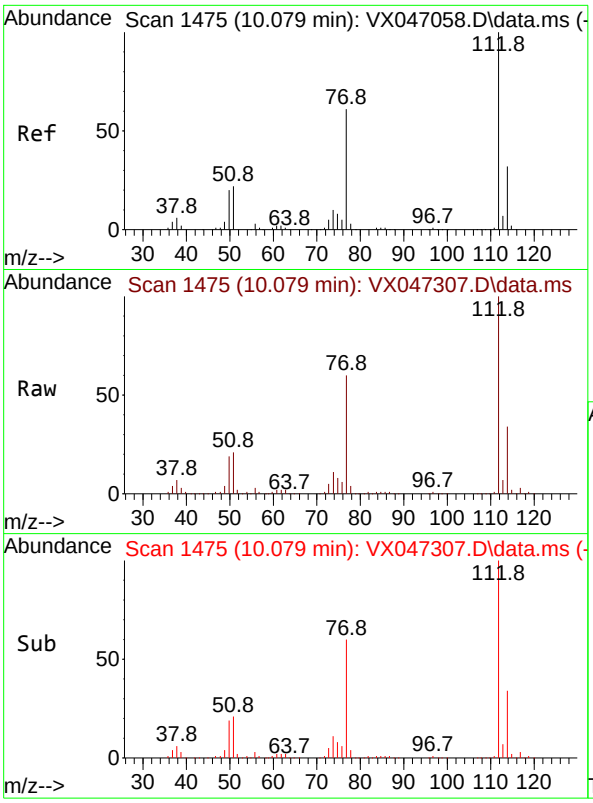


#64
Tetrachloroethene
Concen: 50.267 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:164 Resp: 117308

Ion	Ratio	Lower	Upper
164	100		
166	125.8	106.2	159.4
129	98.8	76.6	114.8
131	97.6	74.4	111.6



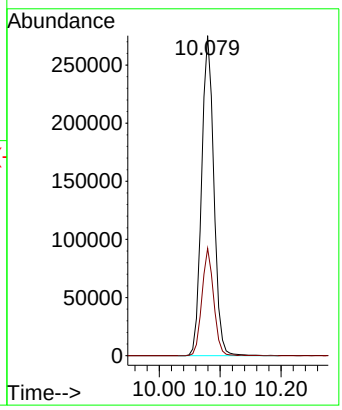


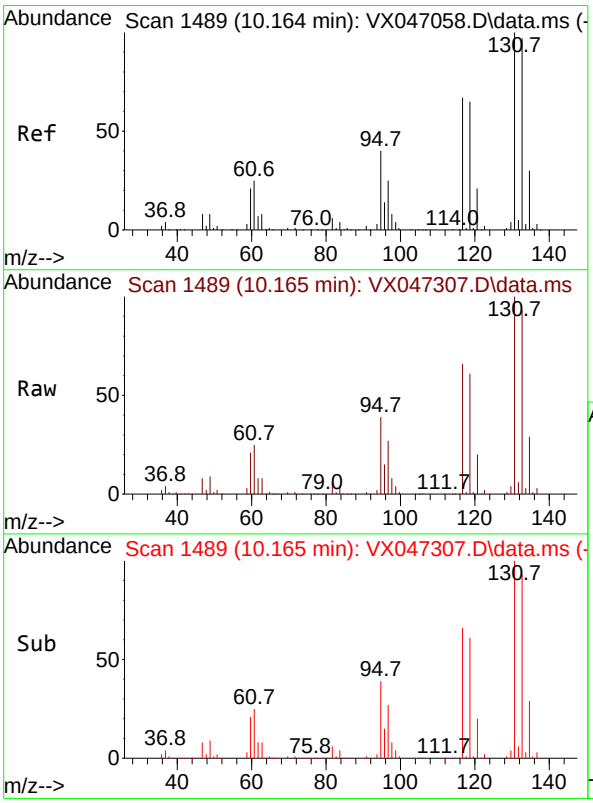
#65
Chlorobenzene
Concen: 50.704 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 384532

Ion	Ratio	Lower	Upper
112	100		
114	33.6	25.8	38.6

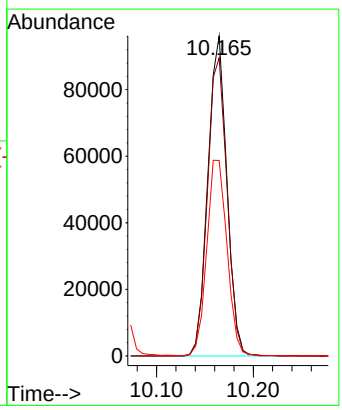


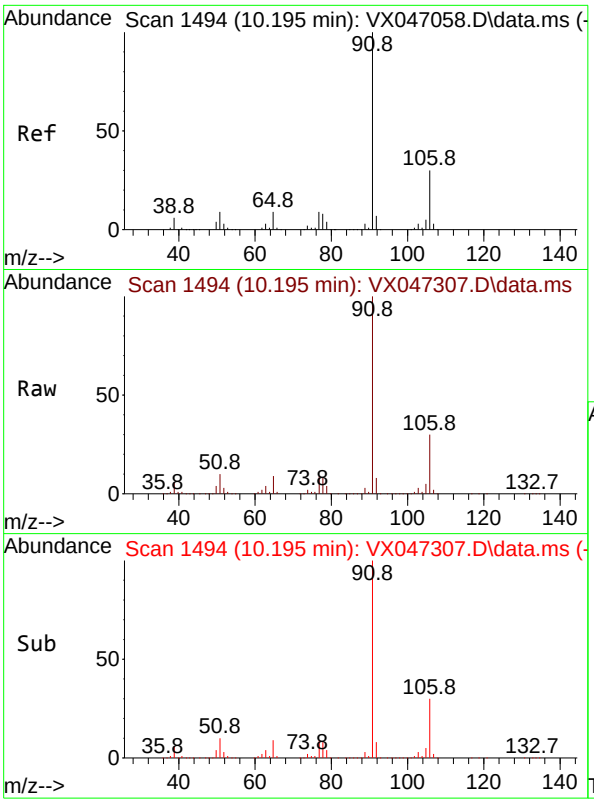


#66
1,1,1,2-Tetrachloroethane
Concen: 51.426 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:131 Resp: 131306

Ion	Ratio	Lower	Upper
131	100		
133	95.9	48.4	145.3
119	65.0	32.4	97.0



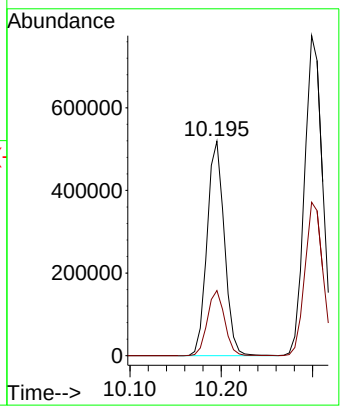


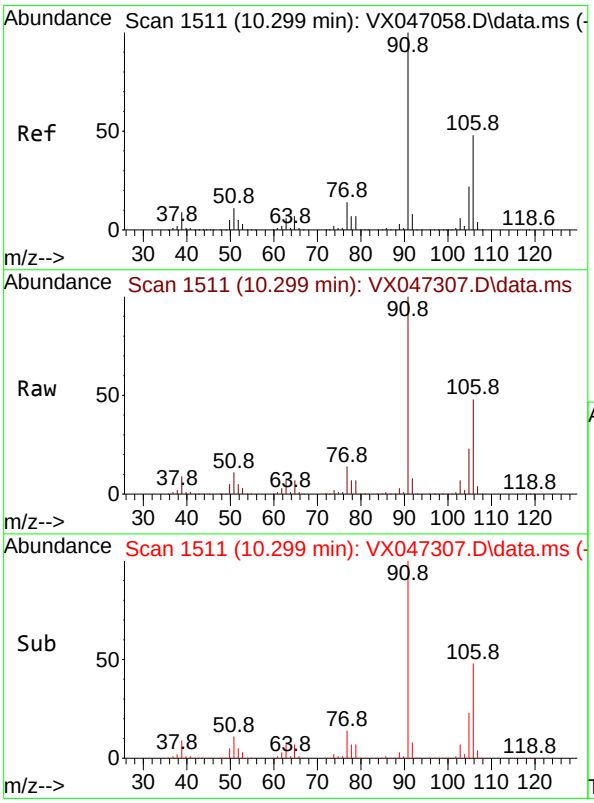
#67
Ethyl Benzene
Concen: 51.369 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 681158

Ion	Ratio	Lower	Upper
91	100		
106	30.4	24.2	36.4

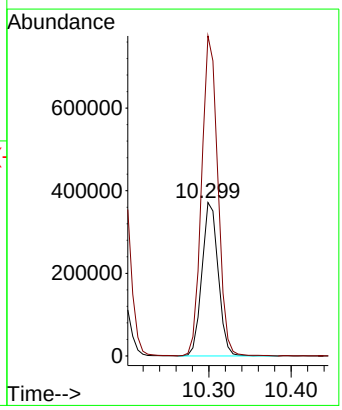


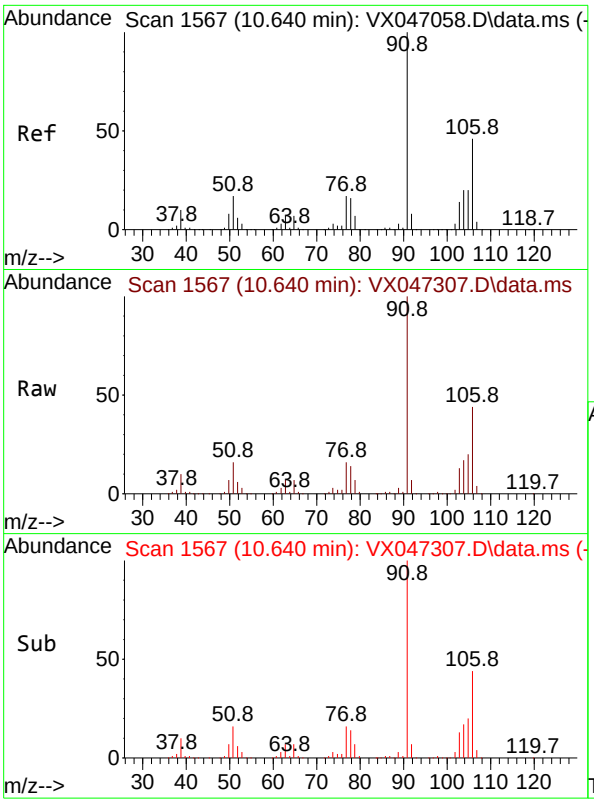


#68
m/p-Xylenes
Concen: 102.933 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:106 Resp: 510770

Ion	Ratio	Lower	Upper
106	100		
91	208.1	167.4	251.0



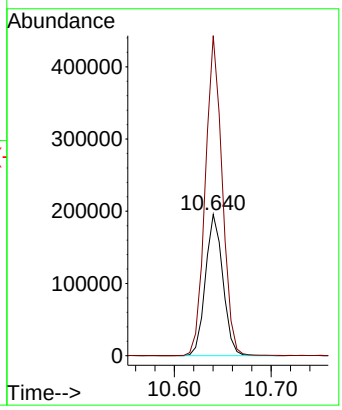


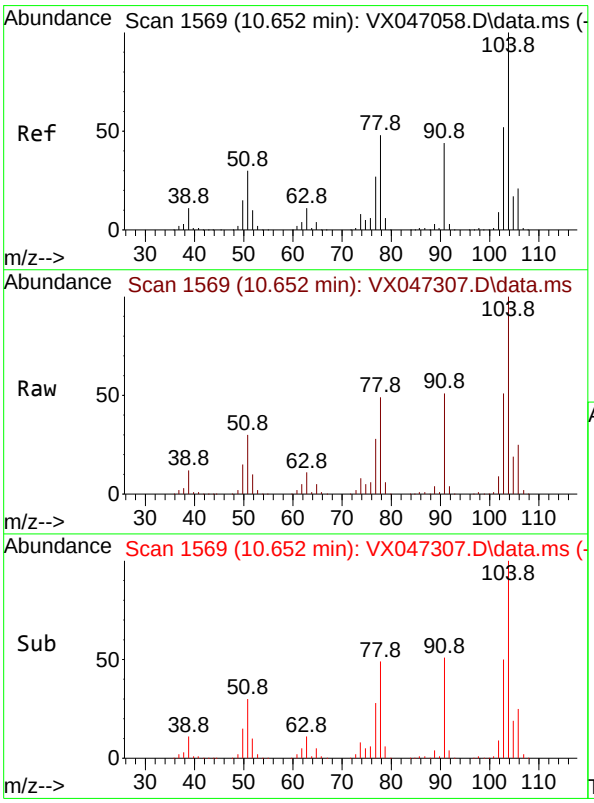
#69
o-Xylene
Concen: 51.832 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 244681

Ion	Ratio	Lower	Upper
106	100		
91	220.5	110.3	331.0

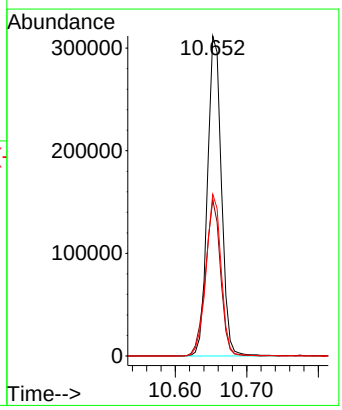


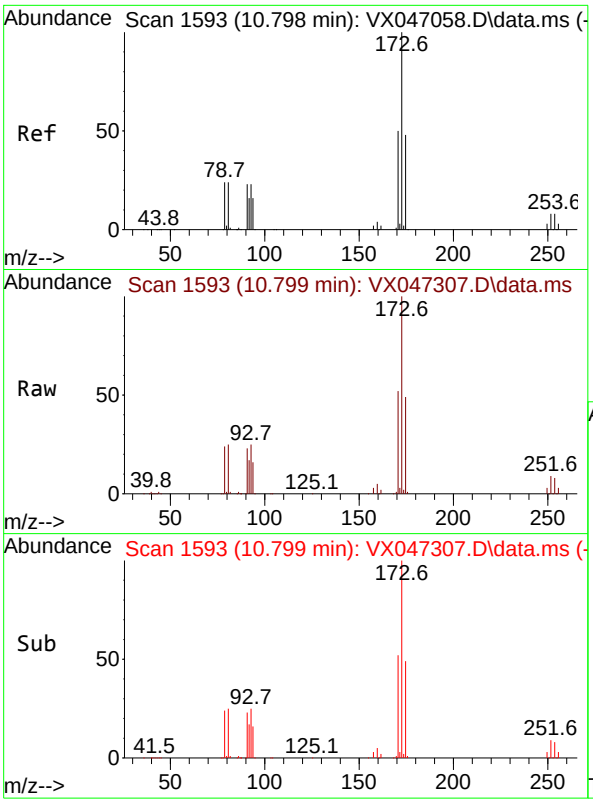


#70
Styrene
Concen: 52.257 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:104 Resp: 423003

Ion	Ratio	Lower	Upper
104	100		
78	52.7	42.0	63.0
103	54.5	43.8	65.6



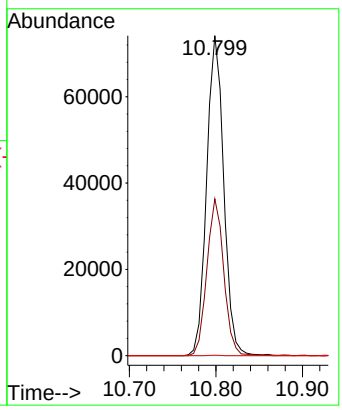


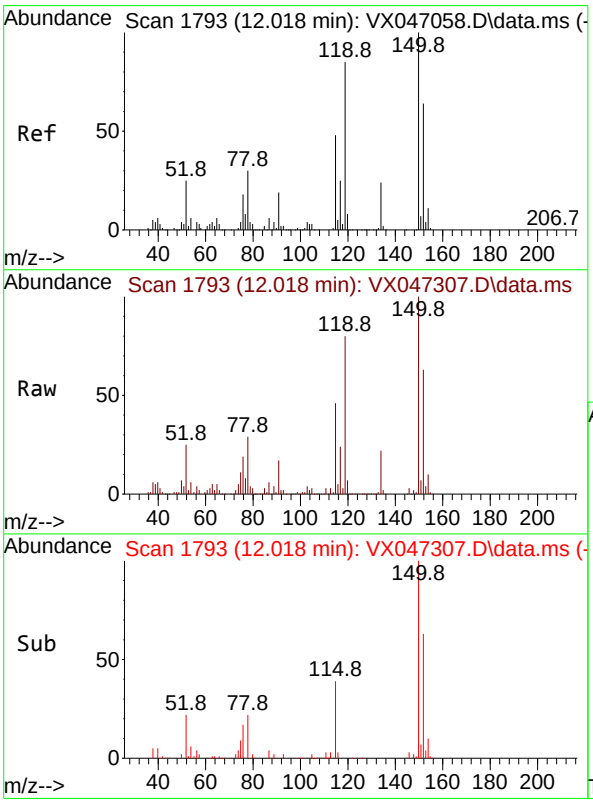
#71
Bromoform
Concen: 52.383 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 101601

Ion	Ratio	Lower	Upper
173	100		
175	48.4	24.2	72.6
254	0.1	0.1	0.1

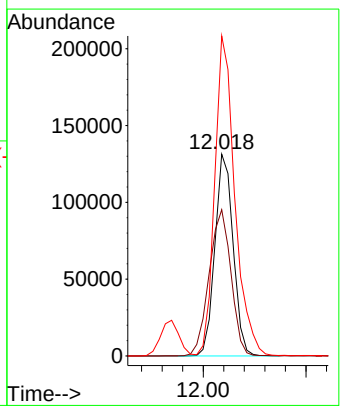


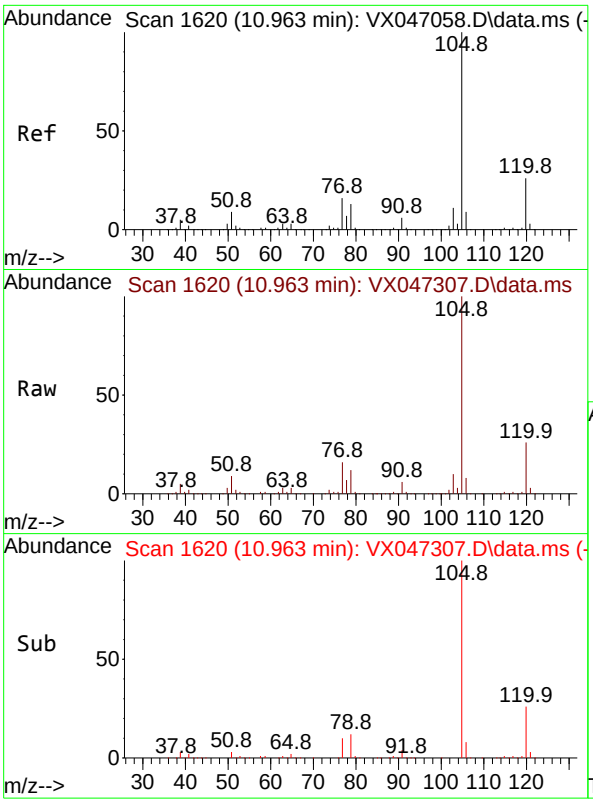


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:152 Resp: 161700

Ion	Ratio	Lower	Upper
152	100		
115	87.2	45.6	136.7
150	174.4	0.0	354.6



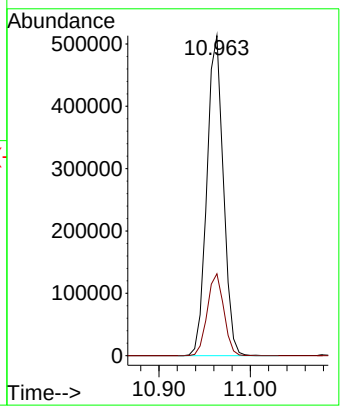


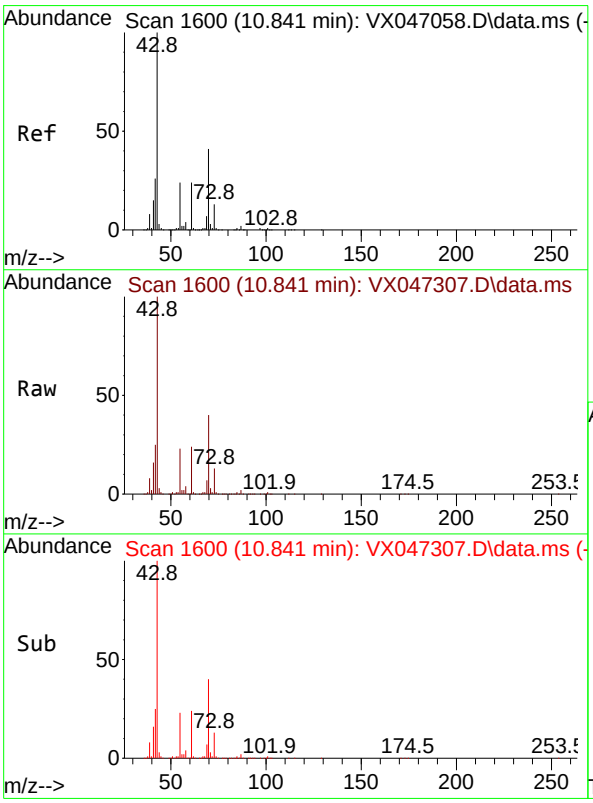
#73
Isopropylbenzene
Concen: 50.133 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 639550

Ion	Ratio	Lower	Upper
105	100		
120	25.7	12.9	38.7

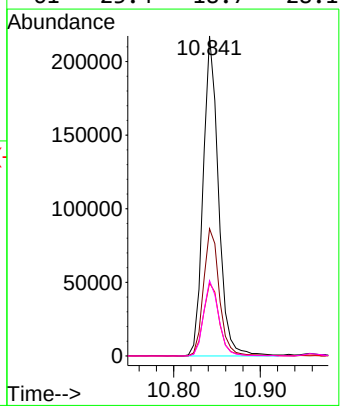


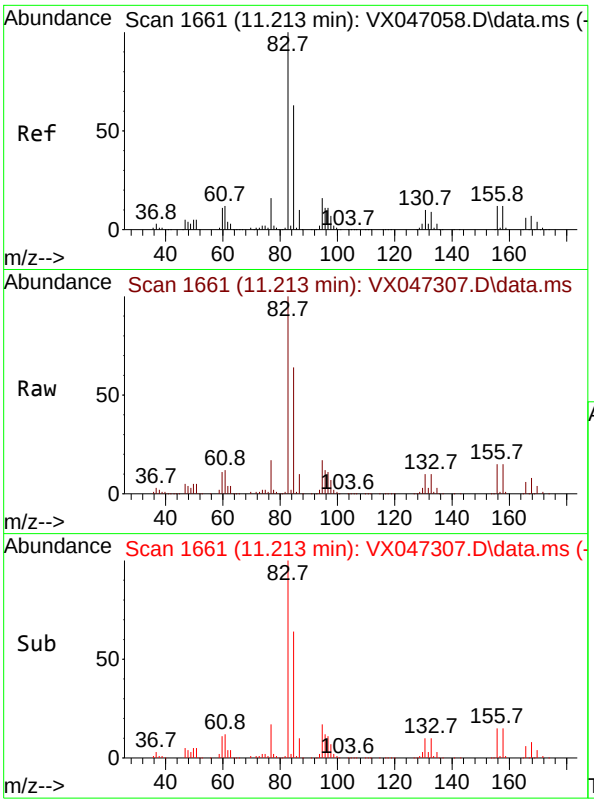


#74
N-amyl acetate
Concen: 51.866 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 43 Resp: 266967

Ion	Ratio	Lower	Upper
43	100		
70	41.0	32.3	48.5
55	23.6	18.9	28.3
61	23.4	18.7	28.1



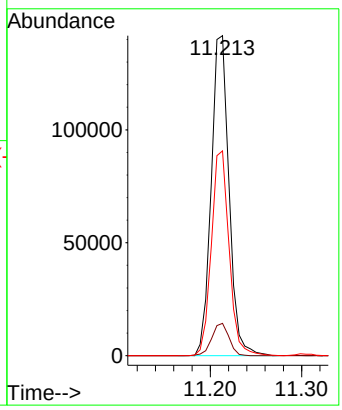


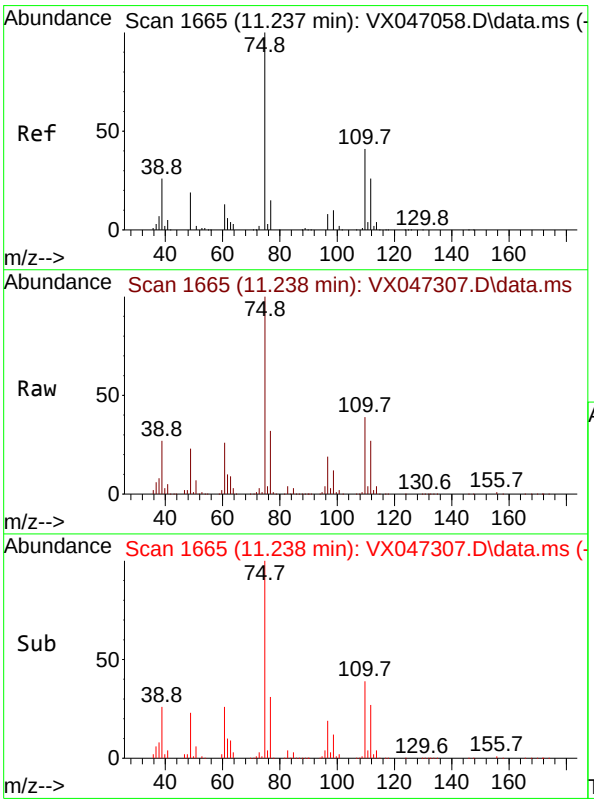
#75
1,1,2,2-Tetrachloroethane
Concen: 52.528 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 191413

Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	14.9
85	63.9	32.0	96.2

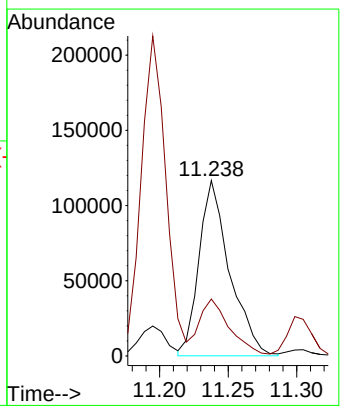


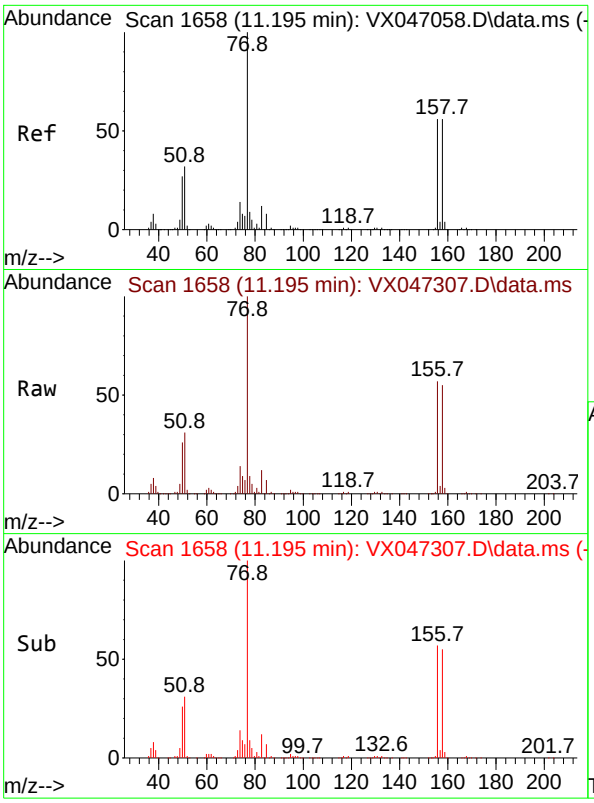


#76
1,2,3-Trichloropropane
Concen: 60.598 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 75 Resp: 181370

Ion	Ratio	Lower	Upper
75	100		
77	32.8	21.6	65.0



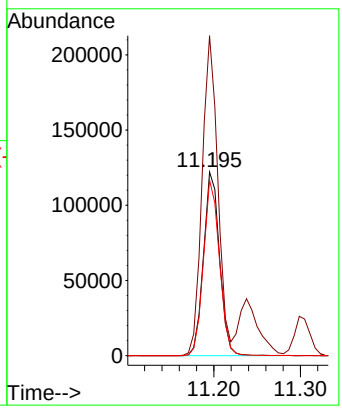


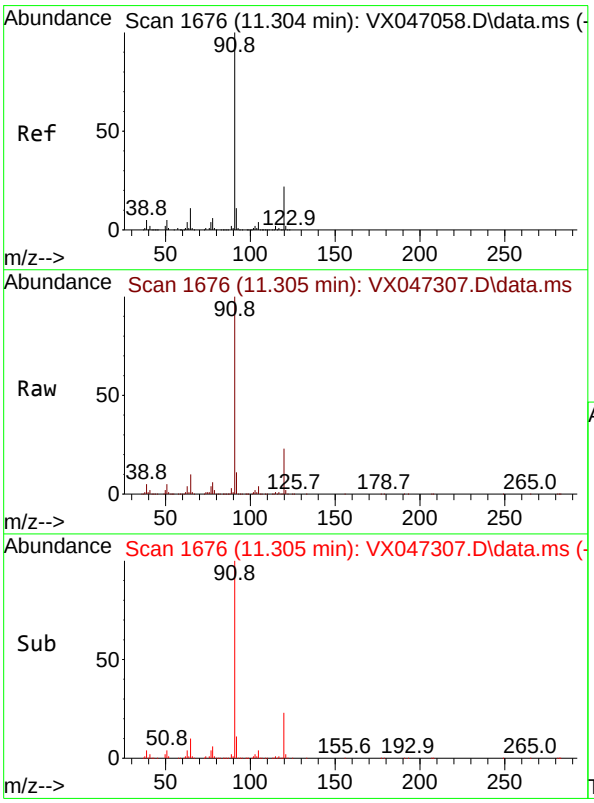
#77
Bromobenzene
Concen: 51.527 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 157666

Ion	Ratio	Lower	Upper
156	100		
77	169.5	87.3	261.9
158	94.8	48.9	146.6

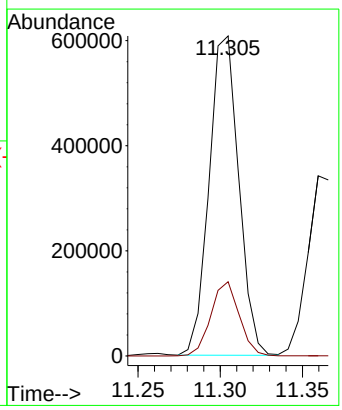


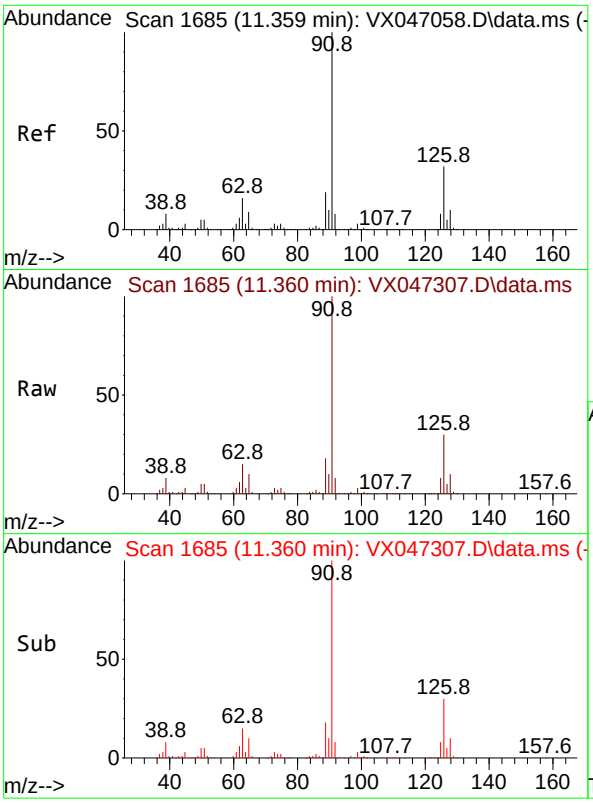


#78
n-propylbenzene
Concen: 50.013 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 91 Resp: 762426

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0



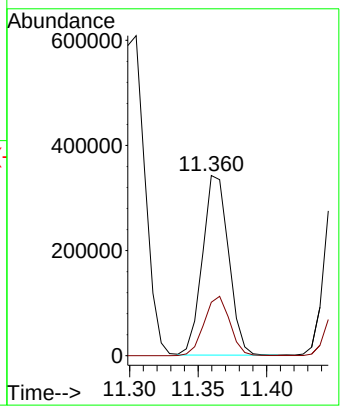


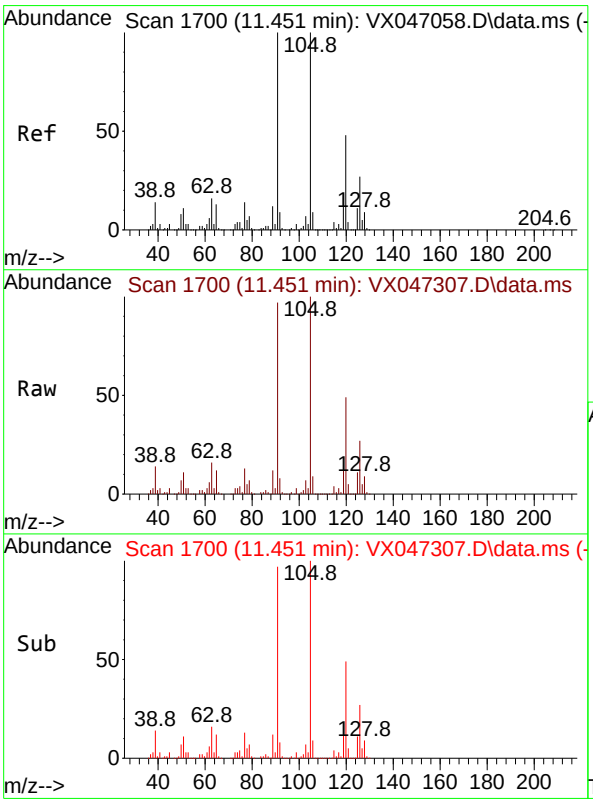
#79
2-Chlorotoluene
Concen: 49.797 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 453787

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.4	49.4

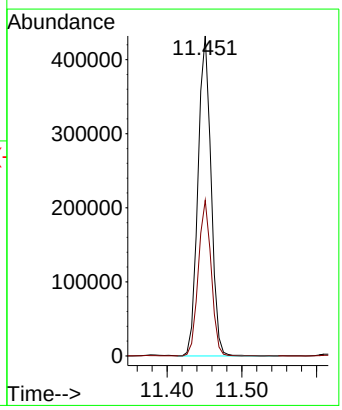


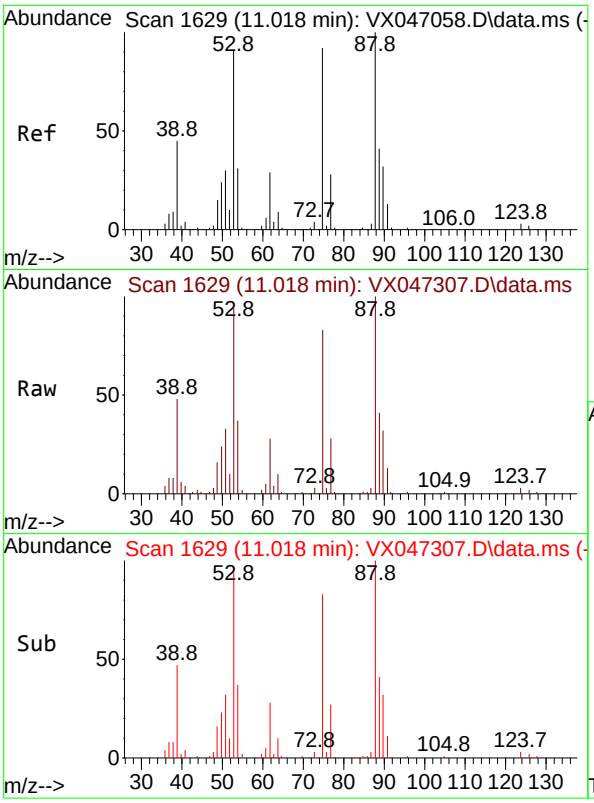


#80
1,3,5-Trimethylbenzene
Concen: 49.756 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:105 Resp: 524390

Ion	Ratio	Lower	Upper
105	100		
120	47.8	23.8	71.5



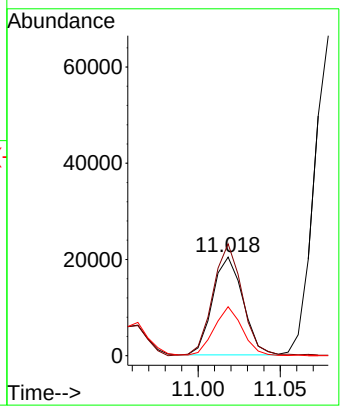


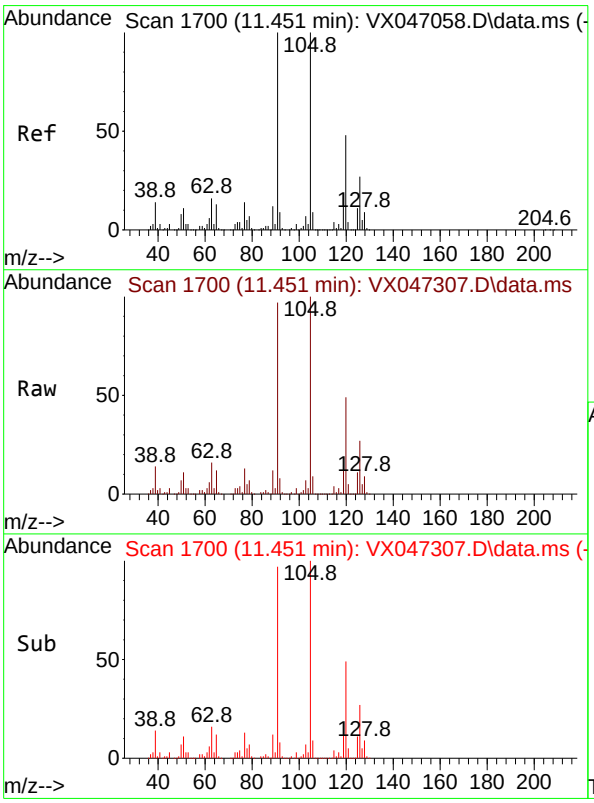
#81
trans-1,4-Dichloro-2-butene
Concen: 22.442 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 26071

Ion	Ratio	Lower	Upper
75	100		
53	112.3	84.2	126.4
89	46.9	36.0	54.0

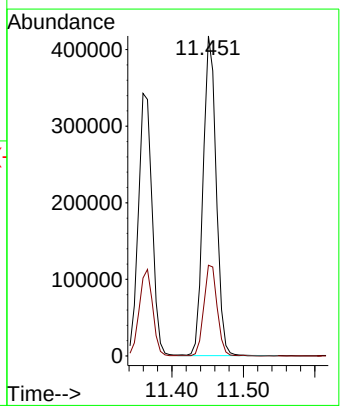


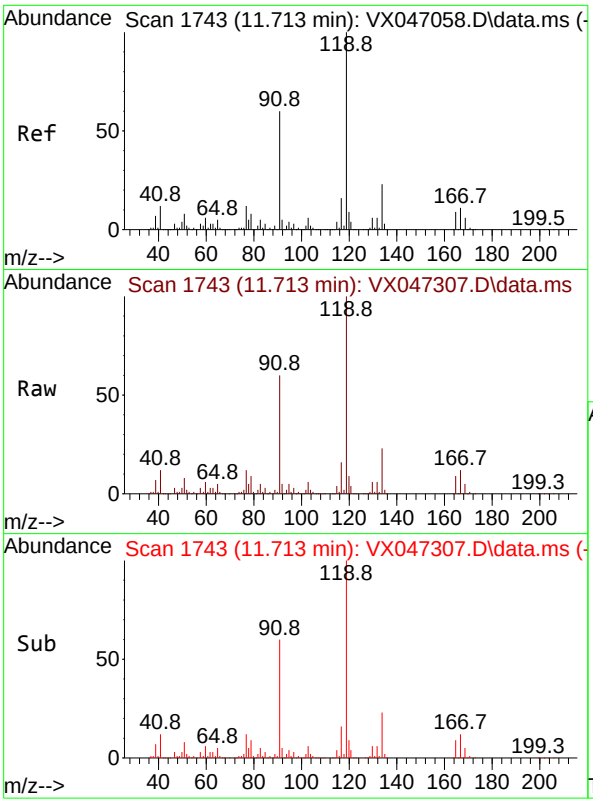


#82
4-Chlorotoluene
Concen: 49.920 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 91 Resp: 530975

Ion	Ratio	Lower	Upper
91	100		
126	29.0	14.1	42.3



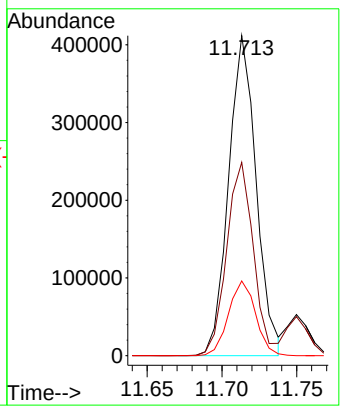


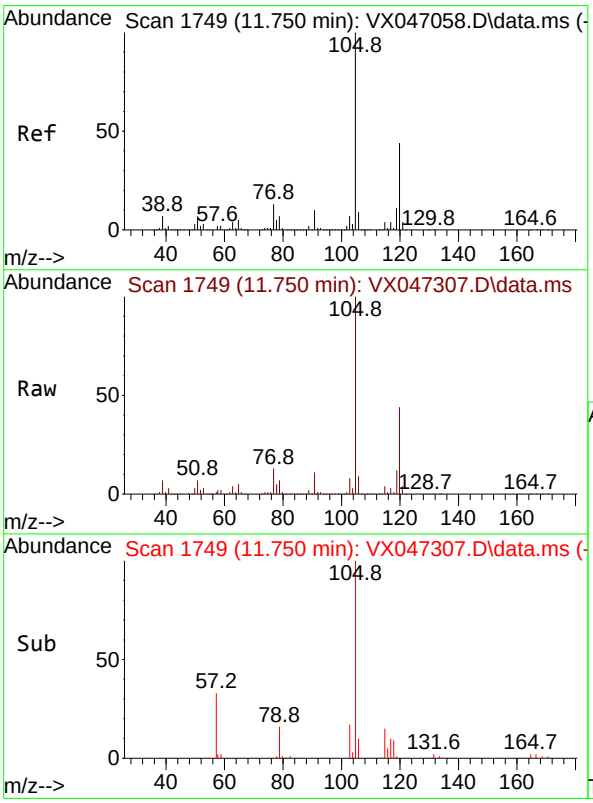
#83
tert-Butylbenzene
Concen: 49.940 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 528279

Ion	Ratio	Lower	Upper
119	100		
91	59.0	29.6	88.8
134	23.0	11.4	34.1

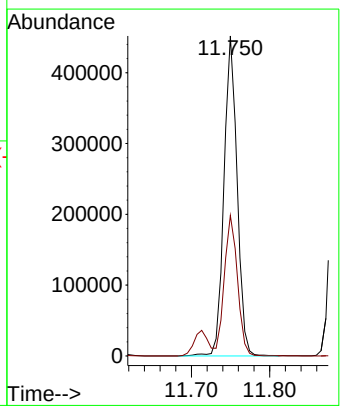


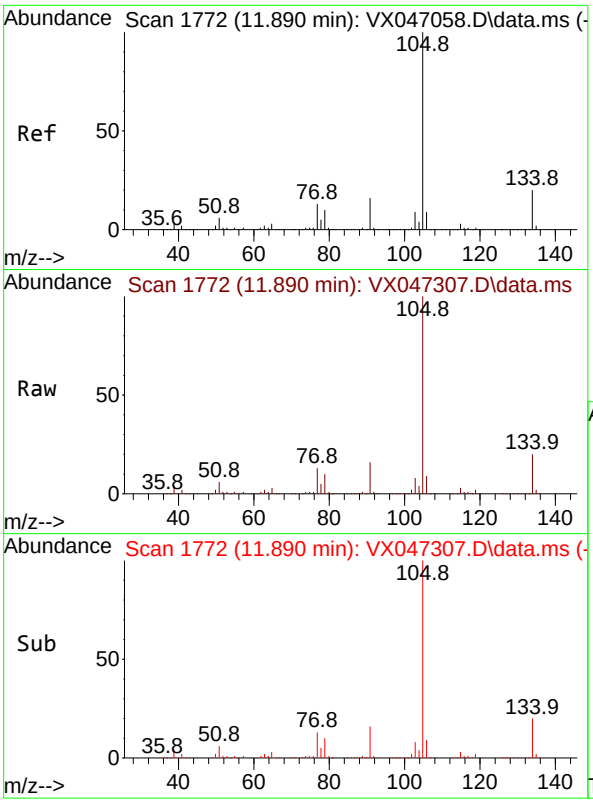


#84
1,2,4-Trimethylbenzene
Concen: 50.262 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:105 Resp: 528370

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.0	66.0



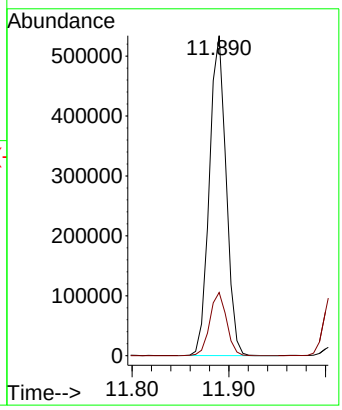


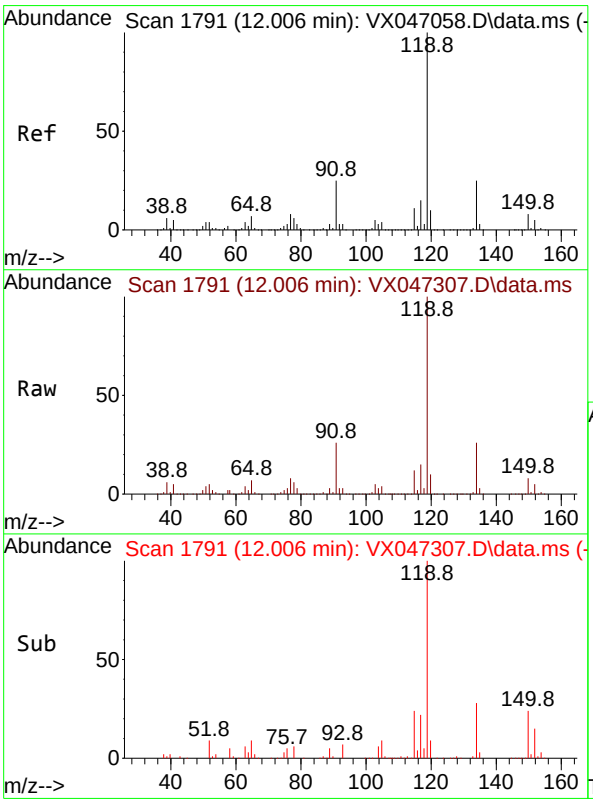
#85
sec-Butylbenzene
Concen: 48.652 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 643045

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.9	29.7

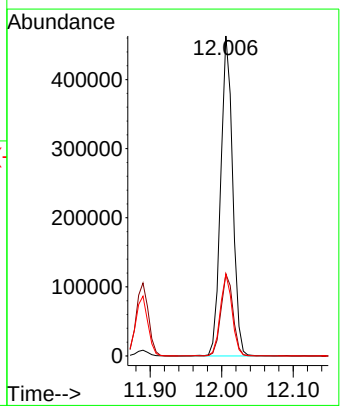


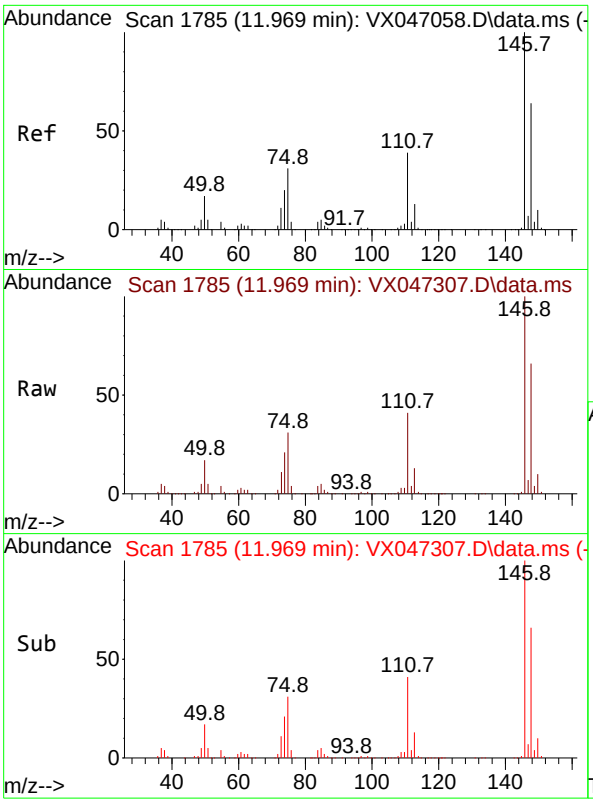


#86
p-Isopropyltoluene
Concen: 49.156 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:119 Resp: 538783

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.4	12.4	37.4



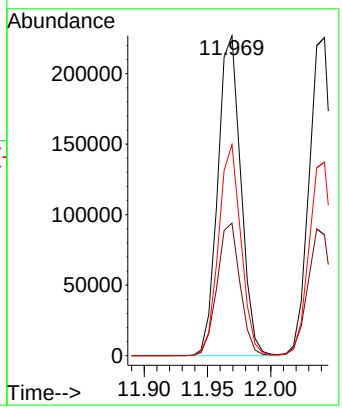


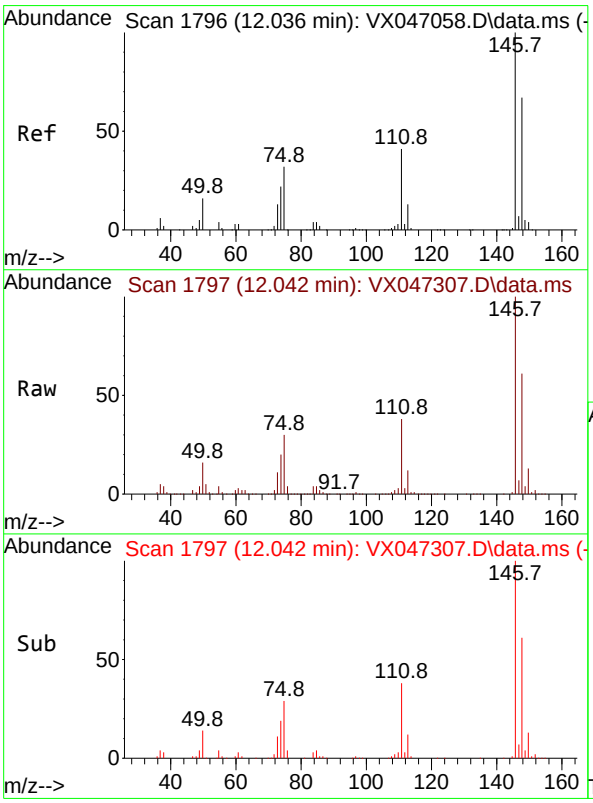
#87
1,3-Dichlorobenzene
Concen: 49.479 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 287667

Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	64.2	32.0	96.0

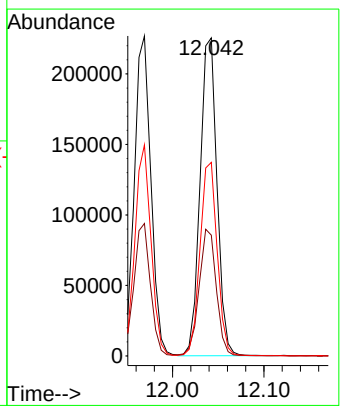


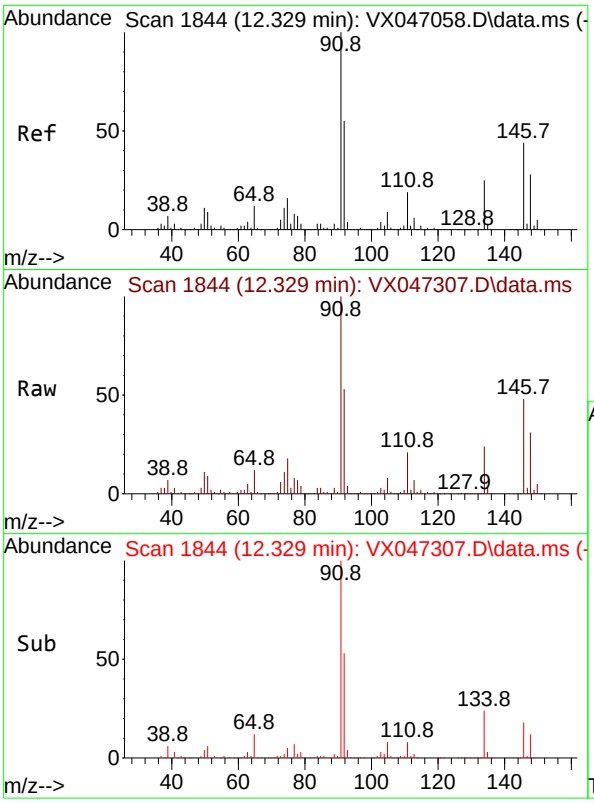


#88
1,4-Dichlorobenzene
Concen: 49.174 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.006 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:146 Resp: 289648

Ion	Ratio	Lower	Upper
146	100		
111	40.5	20.6	61.9
148	61.7	33.0	98.9



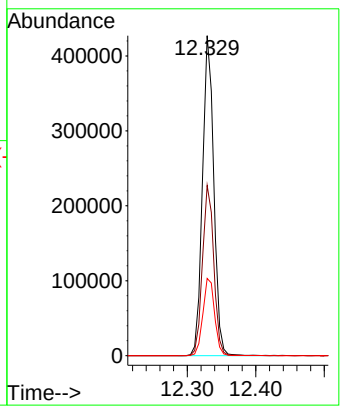


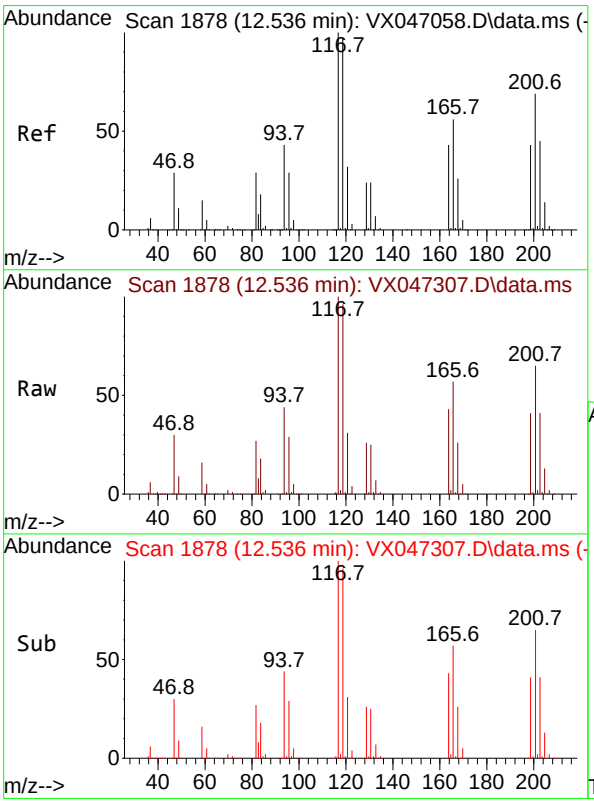
#89
n-Butylbenzene
Concen: 47.718 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 490485

Ion	Ratio	Lower	Upper
91	100		
92	53.6	27.5	82.5
134	25.2	12.8	38.3

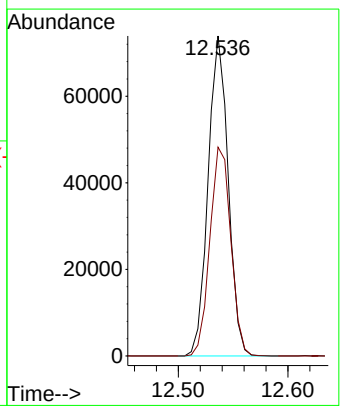


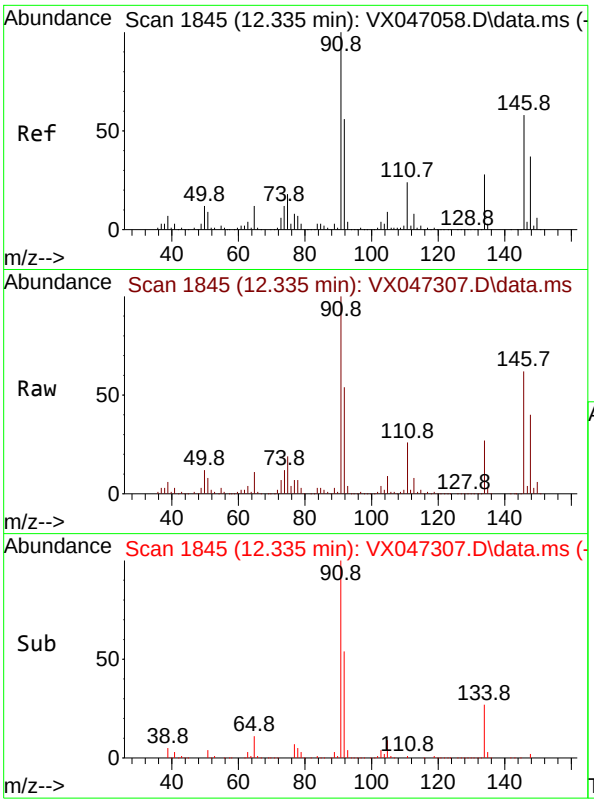


#90
Hexachloroethane
Concen: 47.850 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:117 Resp: 93824

Ion	Ratio	Lower	Upper
117	100		
201	68.2	34.8	104.5



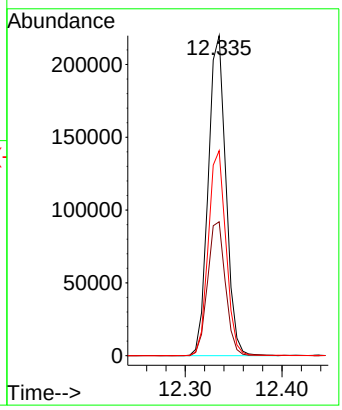


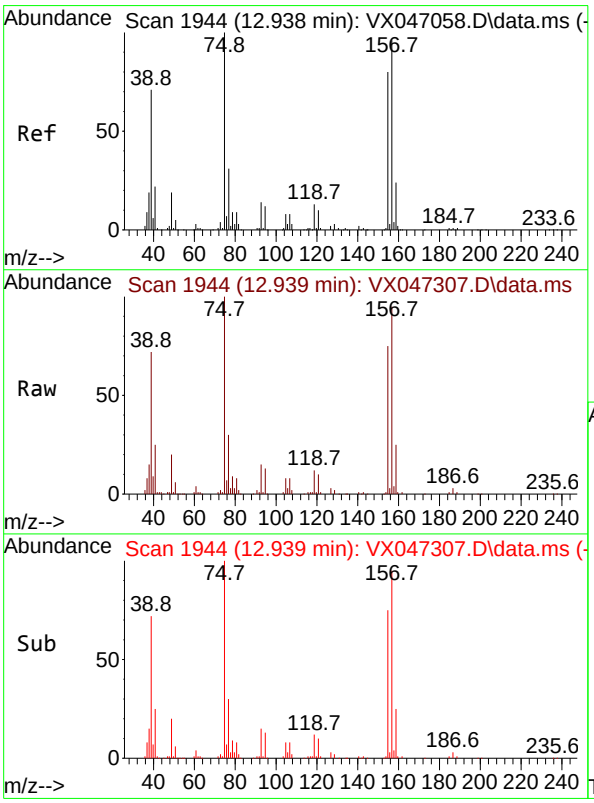
#91
1,2-Dichlorobenzene
Concen: 50.259 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 279275

Ion	Ratio	Lower	Upper
146	100		
111	42.5	21.6	64.6
148	64.2	31.9	95.7

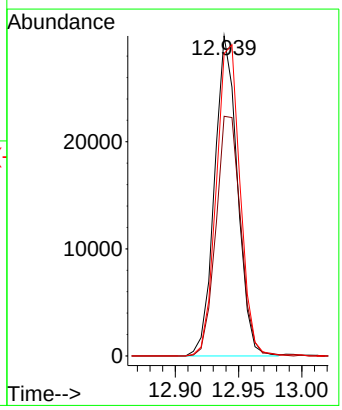


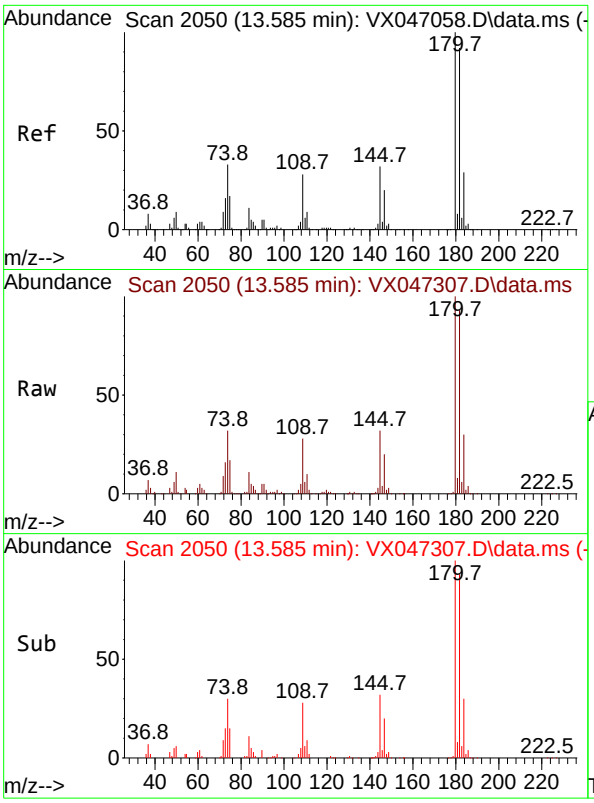


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.644 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion: 75 Resp: 37523

Ion	Ratio	Lower	Upper
75	100		
155	80.8	41.3	124.1
157	101.4	52.8	158.3



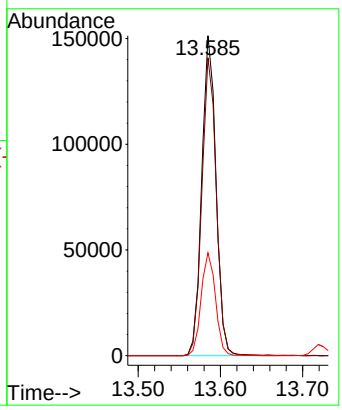


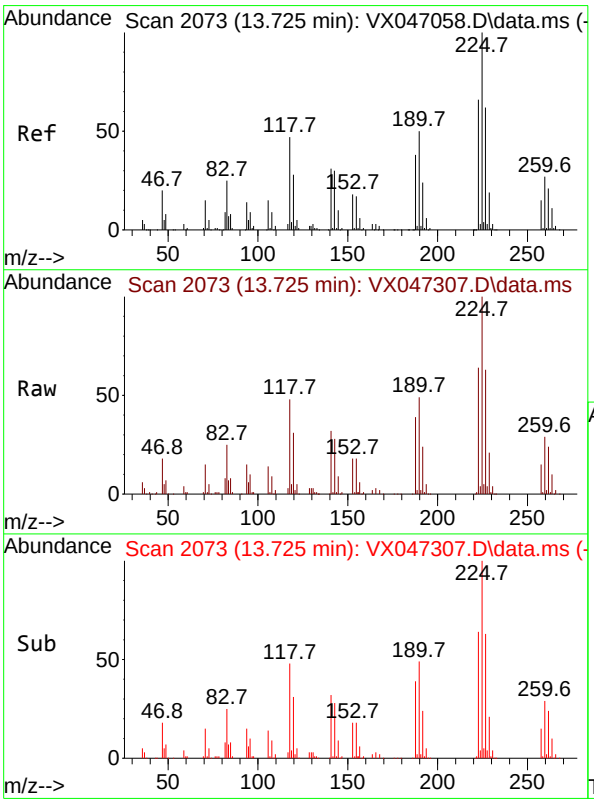
#93
1,2,4-Trichlorobenzene
Concen: 49.491 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 181698

Ion	Ratio	Lower	Upper
180	100		
182	94.2	47.3	141.8
145	32.5	16.4	49.1

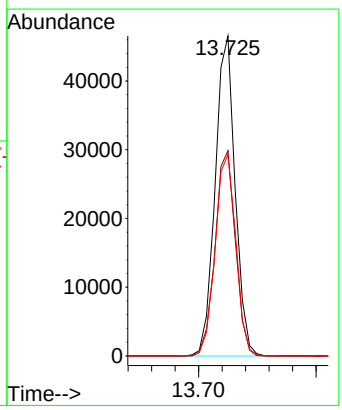


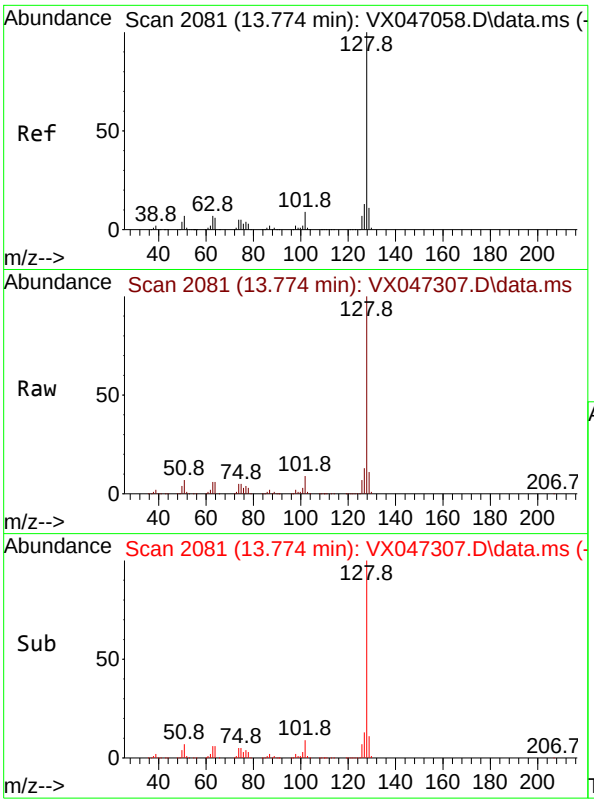


#94
Hexachlorobutadiene
Concen: 44.043 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:225 Resp: 54991

Ion	Ratio	Lower	Upper
225	100		
223	65.2	31.6	95.0
227	65.0	32.9	98.6



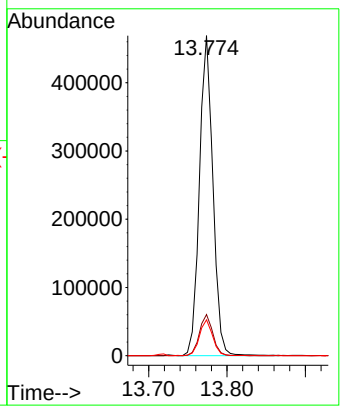


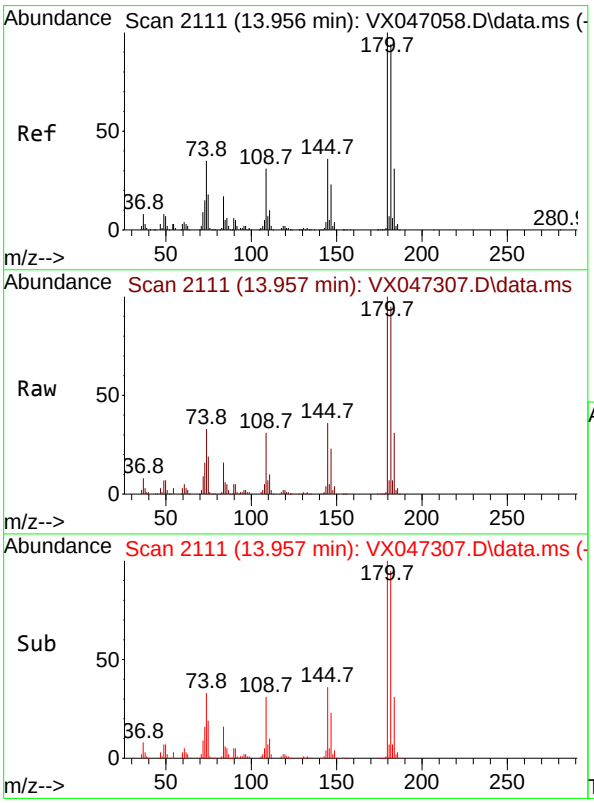
#95
Naphthalene
Concen: 51.981 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 559450

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	11.1	8.6	13.0

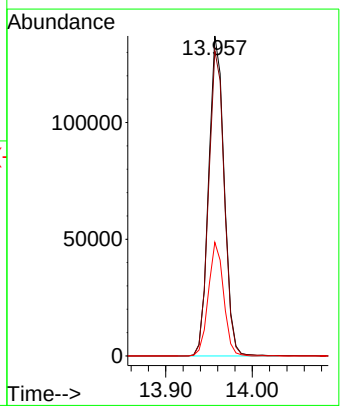




#96
1,2,3-Trichlorobenzene
Concen: 48.215 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047307.D
Acq: 12 Aug 2025 18:54

Tgt Ion:180 Resp: 170531

Ion	Ratio	Lower	Upper
180	100		
182	96.4	46.9	140.6
145	34.8	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047309.D
Acq On : 13 Aug 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 14 03:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	202458	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	343367	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	311895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	156059	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	122913	48.737	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 97.480%			
35) Dibromofluoromethane	5.391	113	109453	51.627	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.260%			
50) Toluene-d8	8.647	98	302023	43.990	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 87.980%#			
62) 4-Bromofluorobenzene	11.079	95	146951	49.666	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 99.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	138397	51.465	ug/l	99
3) Chloromethane	1.313	50	123447	46.408	ug/l	97
4) Vinyl Chloride	1.392	62	146166	51.117	ug/l	100
5) Bromomethane	1.624	94	78964	50.837	ug/l	99
6) Chloroethane	1.703	64	89071	47.427	ug/l	99
7) Trichlorofluoromethane	1.904	101	215625	50.571	ug/l	99
8) Diethyl Ether	2.148	74	81402	54.146	ug/l	93
9) 1,1,2-Trichlorotrifluo...	2.343	101	126773	49.350	ug/l	98
10) Methyl Iodide	2.465	142	219512	83.845	ug/l	100
11) Tert butyl alcohol	2.965	59	78261	266.119	ug/l	100
12) 1,1-Dichloroethene	2.331	96	127051	49.935	ug/l	98
13) Acrolein	2.245	56	211272	389.062	ug/l	99
14) Allyl chloride	2.678	41	227152	49.389	ug/l	97
15) Acrylonitrile	3.074	53	336877	280.076	ug/l	98
16) Acetone	2.386	43	294865	291.855	ug/l	100
17) Carbon Disulfide	2.526	76	347209	47.171	ug/l	98
18) Methyl Acetate	2.709	43	164668	61.331	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	428882	55.387	ug/l	99
20) Methylene Chloride	2.800	84	144651	52.043	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	133319	51.205	ug/l	98
22) Diisopropyl ether	3.769	45	474294	53.638	ug/l	93
23) Vinyl Acetate	3.727	43	1966349	277.255	ug/l	100
24) 1,1-Dichloroethane	3.617	63	249579	50.758	ug/l	98
25) 2-Butanone	4.562	43	379836	258.198	ug/l	97
26) 2,2-Dichloropropane	4.483	77	191107	50.208	ug/l	100
27) cis-1,2-Dichloroethene	4.501	96	161308	52.320	ug/l	98
28) Bromochloromethane	4.903	49	121750	53.820	ug/l	98
29) Tetrahydrofuran	5.013	42	237647	250.372	ug/l	99
30) Chloroform	5.099	83	258046	51.555	ug/l	98
31) Cyclohexane	5.476	56	218449	46.334	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	218773	50.322	ug/l	100
36) 1,1-Dichloropropene	5.702	75	174512	48.290	ug/l	99
37) Ethyl Acetate	4.721	43	192890	57.925	ug/l	96
38) Carbon Tetrachloride	5.684	117	186156	48.263	ug/l	99
39) Methylcyclohexane	7.379	83	207402	45.966	ug/l	99
40) Benzene	6.043	78	533739	51.034	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047309.D
Acq On : 13 Aug 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 14 03:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	89952	51.663	ug/l		95
42) 1,2-Dichloroethane	6.092	62	198218	53.804	ug/l		99
43) Isopropyl Acetate	6.342	43	287722	55.423	ug/l		98
44) Trichloroethene	7.129	130	133465	49.765	ug/l		99
45) 1,2-Dichloropropane	7.427	63	135914	51.888	ug/l		97
46) Dibromomethane	7.580	93	101172	55.078	ug/l		100
47) Bromodichloromethane	7.818	83	208211	53.254	ug/l		98
48) Methyl methacrylate	7.696	41	149404	52.829	ug/l		98
49) 1,4-Dioxane	7.677	88	33534	1042.543	ug/l		94
51) 4-Methyl-2-Pentanone	8.573	43	845831	274.116	ug/l		99
52) Toluene	8.720	92	331807	51.598	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	192983	52.270	ug/l		97
54) cis-1,3-Dichloropropene	8.366	75	211833	52.423	ug/l		99
55) 1,1,2-Trichloroethane	9.147	97	131934	54.707	ug/l		98
56) Ethyl methacrylate	9.116	69	202090	56.604	ug/l		99
57) 1,3-Dichloropropane	9.305	76	225882	53.892	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.238	63	507677	255.533	ug/l		100
59) 2-Hexanone	9.427	43	591849	290.316	ug/l		100
60) Dibromochloromethane	9.518	129	153681	54.334	ug/l		100
61) 1,2-Dibromoethane	9.610	107	136881	54.281	ug/l		98
64) Tetrachloroethene	9.275	164	108938	48.451	ug/l		98
65) Chlorobenzene	10.079	112	369251	50.536	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	130021	52.854	ug/l		98
67) Ethyl Benzene	10.189	91	640387	50.127	ug/l		100
68) m/p-Xylenes	10.299	106	481905	100.800	ug/l		100
69) o-Xylene	10.640	106	232501	51.121	ug/l		100
70) Styrene	10.652	104	404384	51.852	ug/l		100
71) Bromoform	10.799	173	101111	54.108	ug/l	#	99
73) Isopropylbenzene	10.957	105	601920	48.889	ug/l		100
74) N-amyl acetate	10.841	43	253569	51.043	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	184802	52.547	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	181616	62.874	ug/l		82
77) Bromobenzene	11.195	156	149595	50.657	ug/l		98
78) n-propylbenzene	11.299	91	717788	48.787	ug/l		99
79) 2-Chlorotoluene	11.360	91	429105	48.791	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	502646	49.416	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	30072	26.822	ug/l		98
82) 4-Chlorotoluene	11.451	91	509422	49.625	ug/l		99
83) tert-Butylbenzene	11.713	119	499240	48.901	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	503767	49.654	ug/l		100
85) sec-Butylbenzene	11.890	105	607529	47.627	ug/l		99
86) p-Isopropyltoluene	12.006	119	513359	48.530	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	281606	50.187	ug/l		98
88) 1,4-Dichlorobenzene	12.036	146	276736	48.680	ug/l		99
89) n-Butylbenzene	12.329	91	467854	47.162	ug/l		99
90) Hexachloroethane	12.536	117	92640	48.954	ug/l		98
91) 1,2-Dichlorobenzene	12.329	146	266592	49.711	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36183	53.598	ug/l		99
93) 1,2,4-Trichlorobenzene	13.585	180	176813	49.902	ug/l		99
94) Hexachlorobutadiene	13.719	225	56288	46.711	ug/l		99
95) Naphthalene	13.774	128	537872	51.782	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	168763	49.440	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047309.D
Acq On : 13 Aug 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 14 03:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

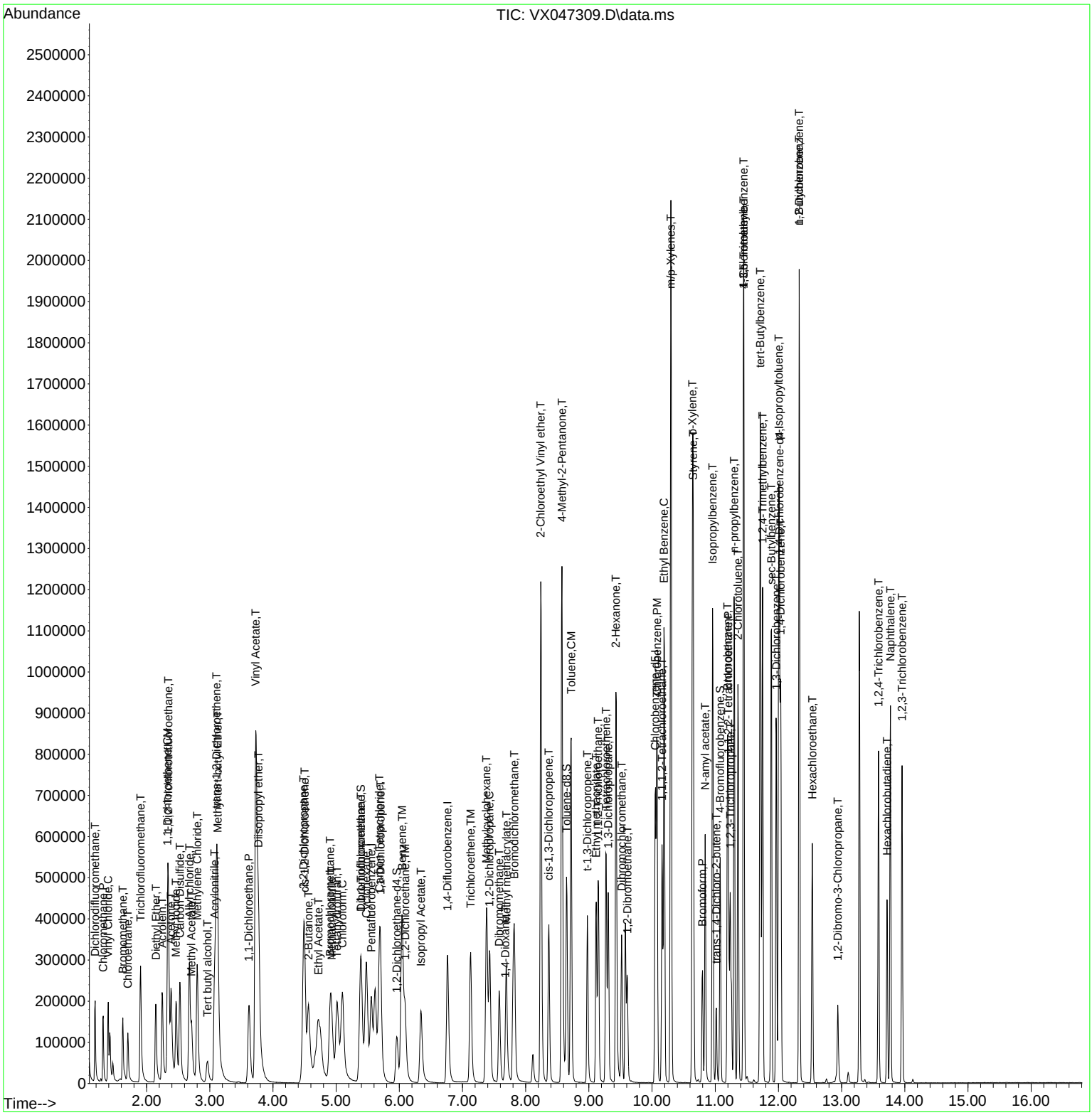
(#) = qualifier out of range (m) = manual integration (+) = signals summed

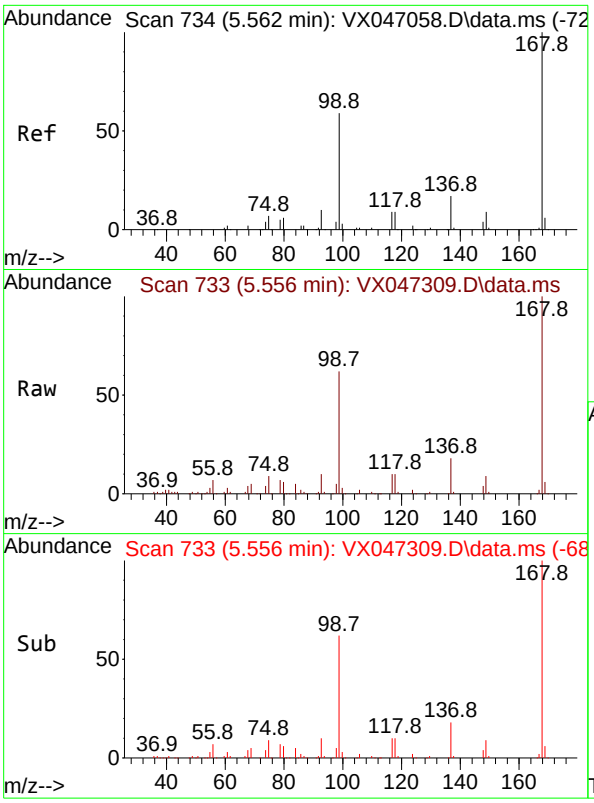
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047309.D
Acq On : 13 Aug 2025 09:44
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 14 03:23:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



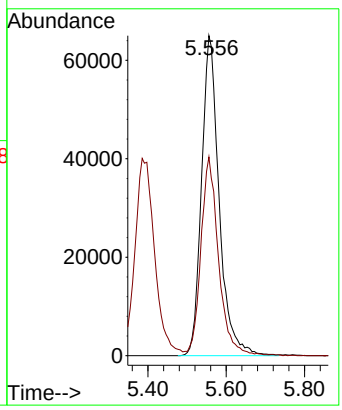


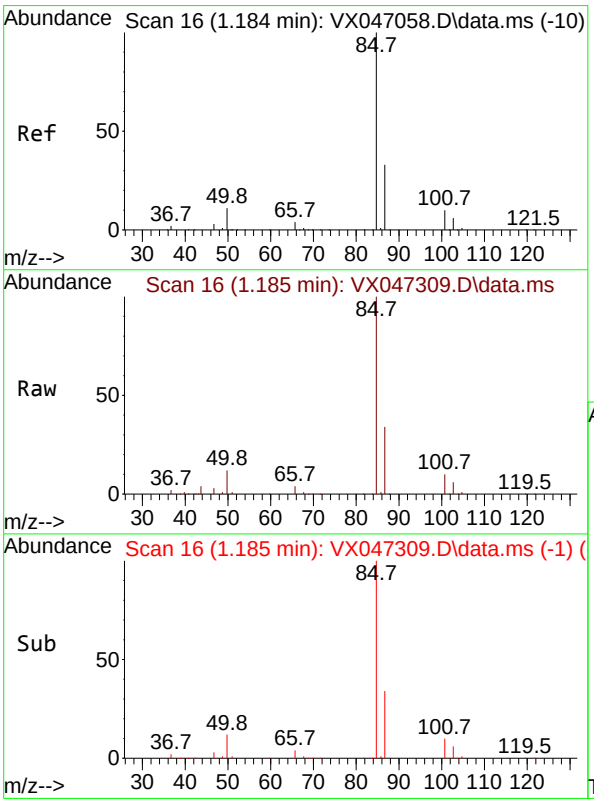
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 202458

Ion	Ratio	Lower	Upper
168	100		
99	61.8	48.0	72.0

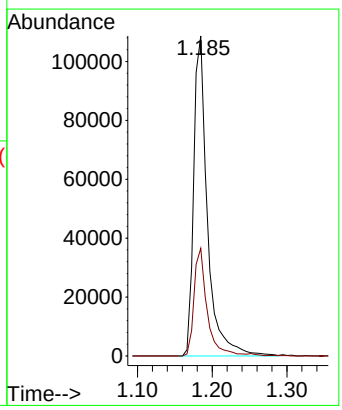


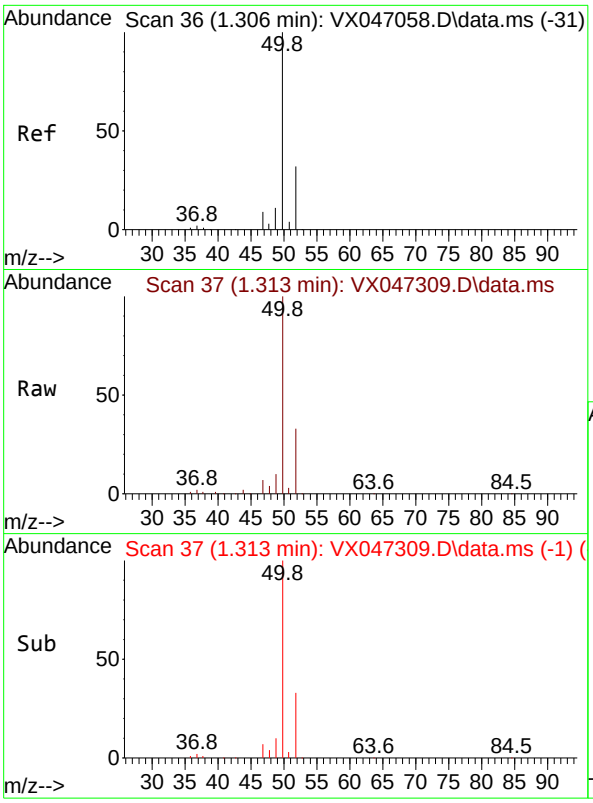


#2
Dichlorodifluoromethane
Concen: 51.465 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 85 Resp: 138397

Ion	Ratio	Lower	Upper
85	100		
87	33.6	16.6	49.8



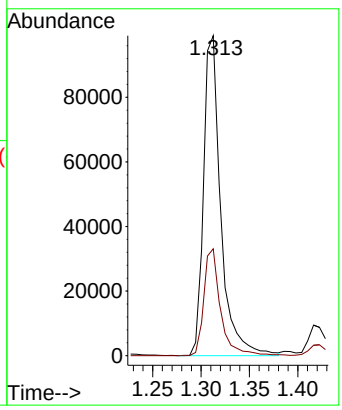


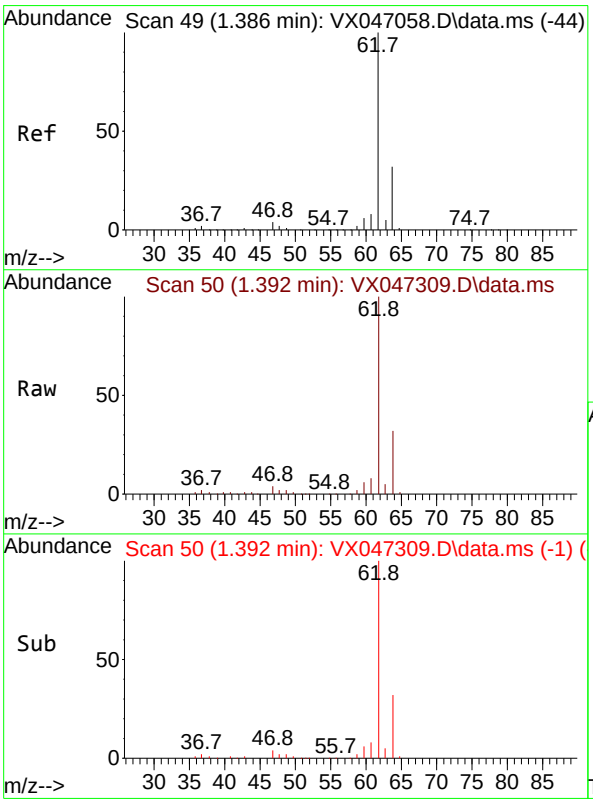
#3
Chloromethane
Concen: 46.408 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 123447

Ion	Ratio	Lower	Upper
50	100		
52	33.4	25.4	38.2

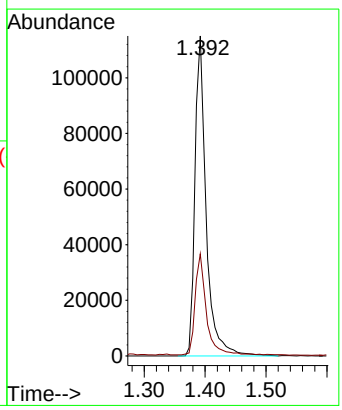


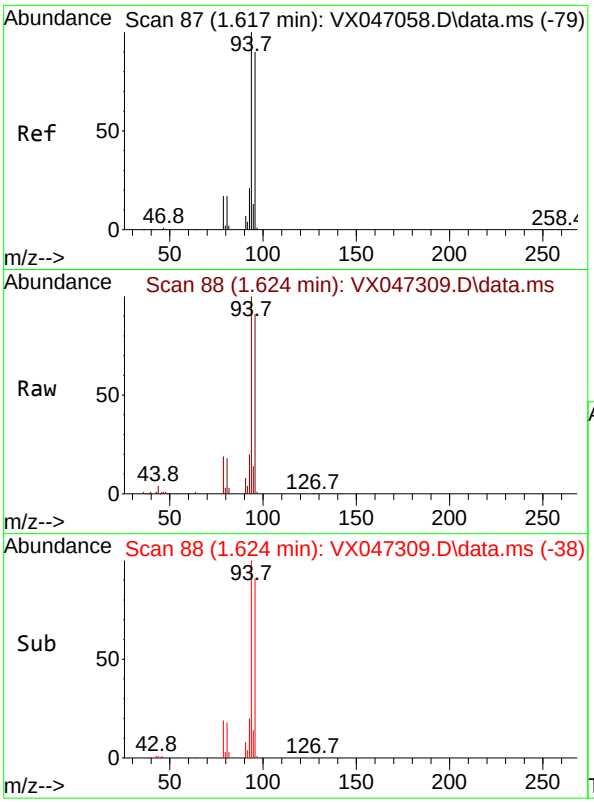


#4
Vinyl Chloride
Concen: 51.117 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 62 Resp: 146166

Ion	Ratio	Lower	Upper
62	100		
64	31.6	25.2	37.8



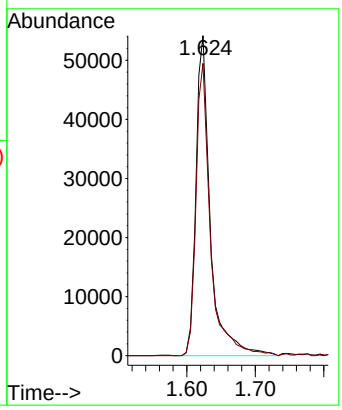


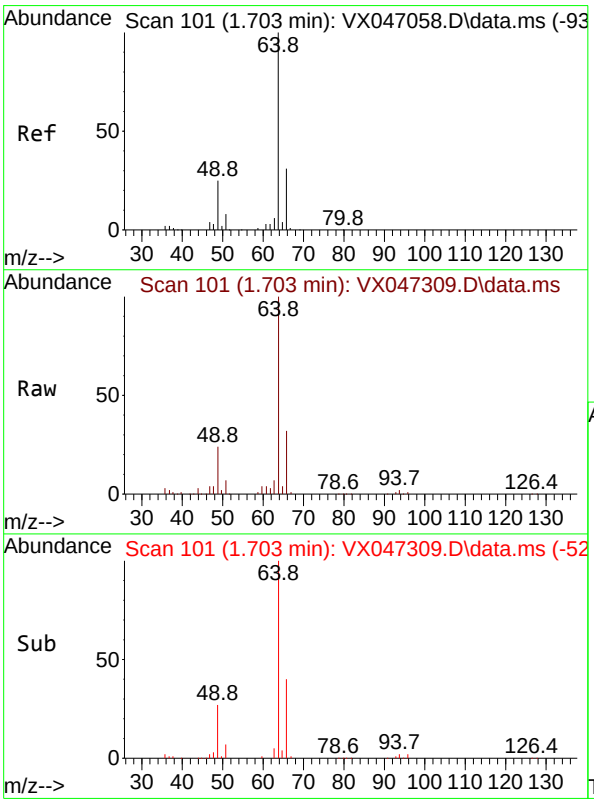
#5
Bromomethane
Concen: 50.837 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 78964

Ion	Ratio	Lower	Upper
94	100		
96	91.4	72.3	108.5

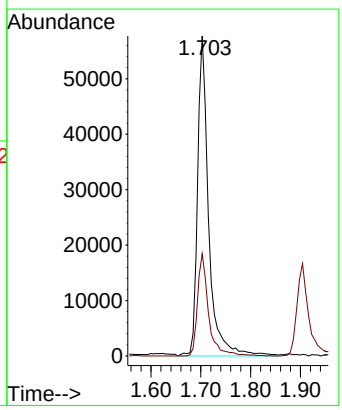


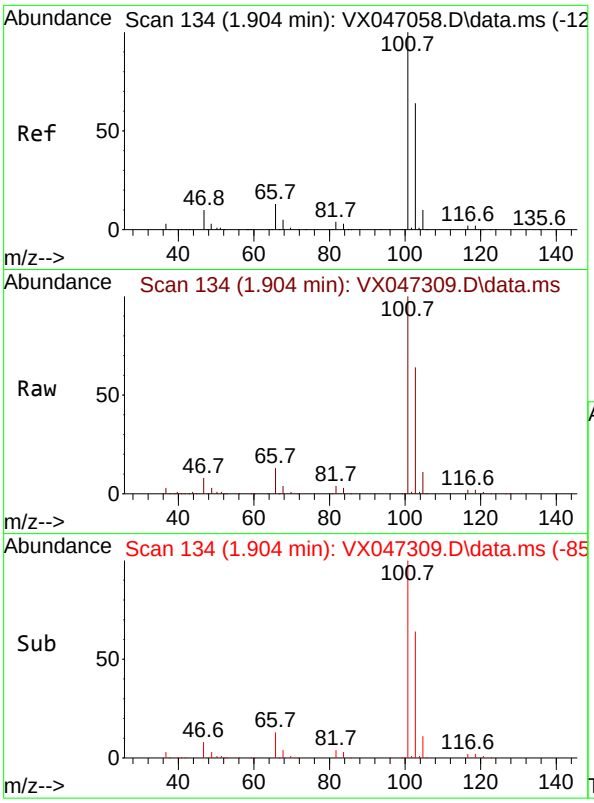


#6
Chloroethane
Concen: 47.427 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 64 Resp: 89071

Ion	Ratio	Lower	Upper
64	100		
66	31.9	25.0	37.6



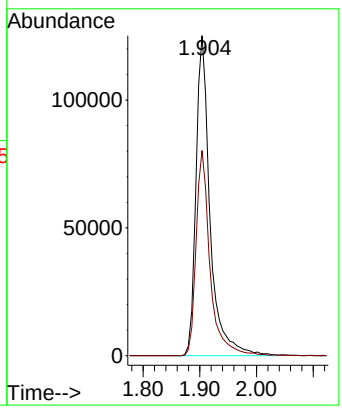


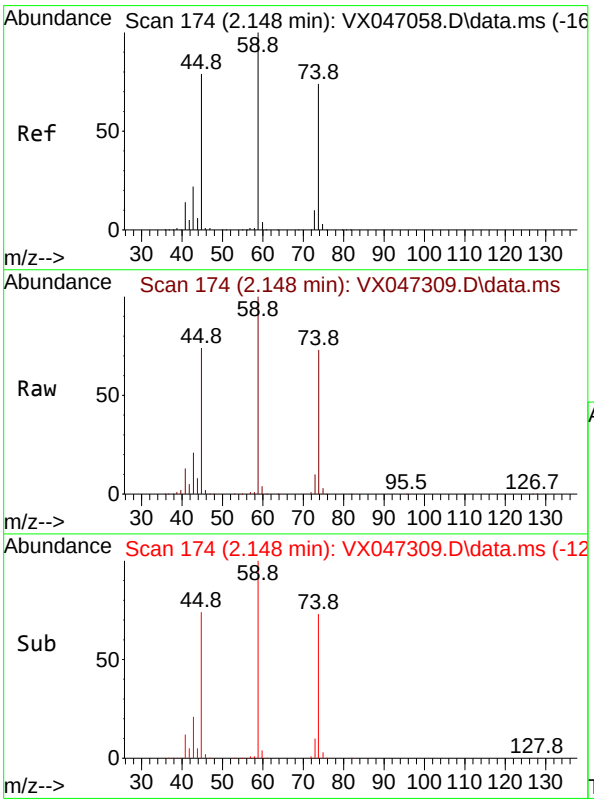
#7
Trichlorofluoromethane
Concen: 50.571 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 215625

Ion	Ratio	Lower	Upper
101	100		
103	64.1	50.9	76.3

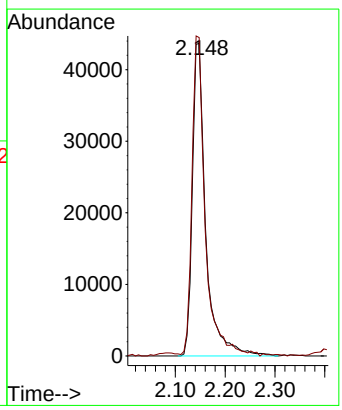


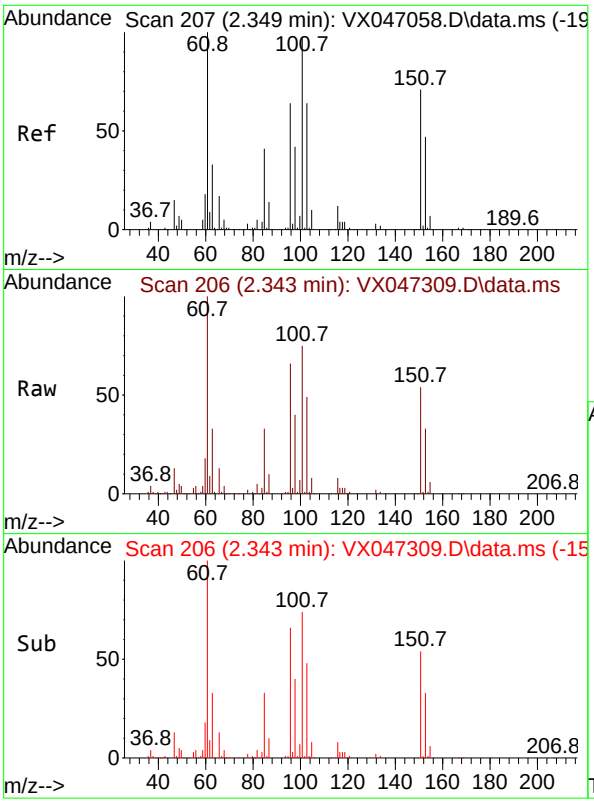


#8
Diethyl Ether
Concen: 54.146 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 74 Resp: 81402

Ion	Ratio	Lower	Upper
74	100		
45	98.7	53.0	159.0



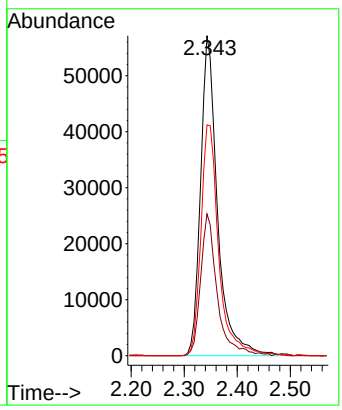


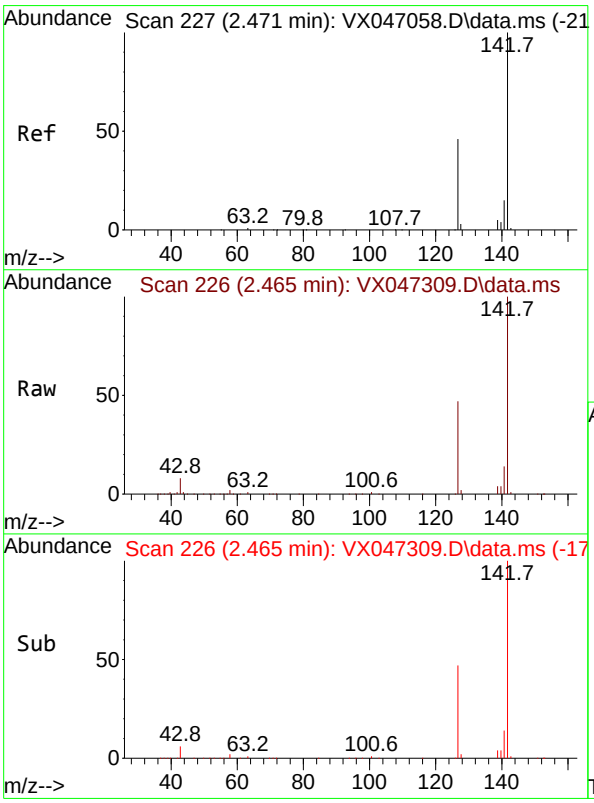
#9
1,1,2-Trichlorotrifluoroethane
Concen: 49.350 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 126773

Ion	Ratio	Lower	Upper
101	100		
85	43.4	35.4	53.0
151	75.9	59.2	88.8

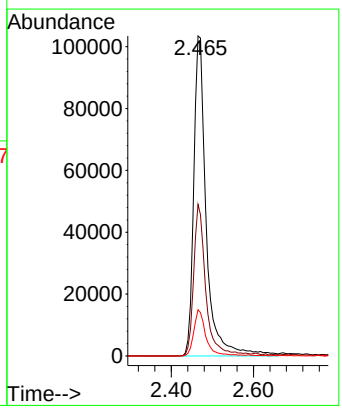


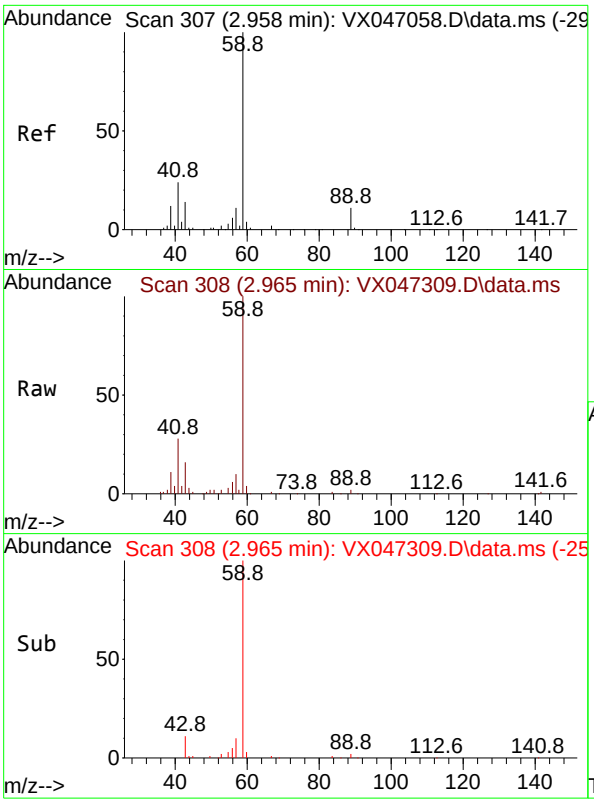


#10
Methyl Iodide
Concen: 83.845 ug/l
RT: 2.465 min Scan# 226
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:142 Resp: 219512

Ion	Ratio	Lower	Upper
142	100		
127	45.8	36.6	54.8
141	13.9	10.9	16.3



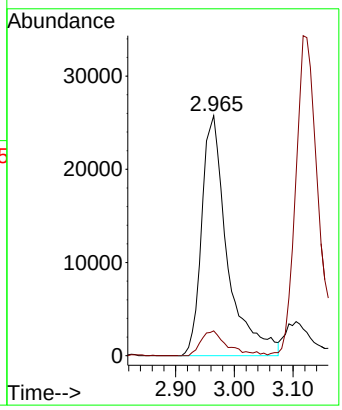


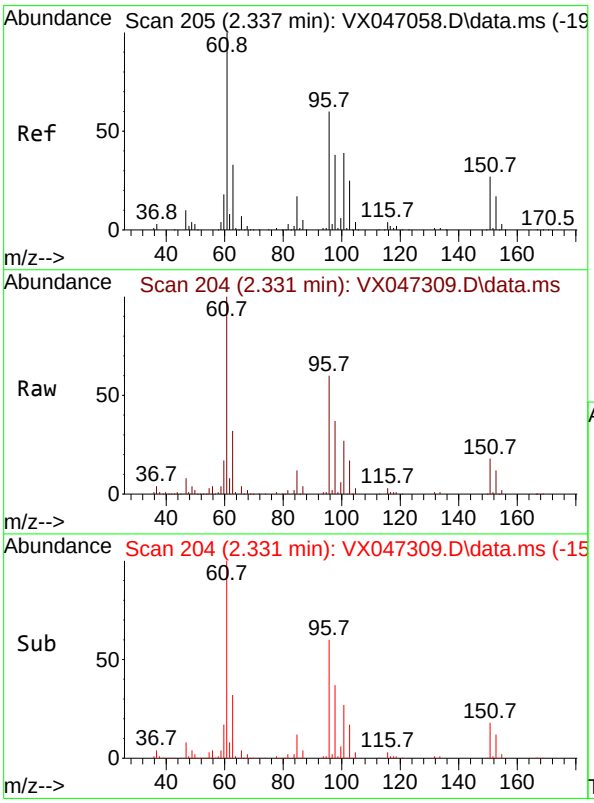
#11
Tert butyl alcohol
Concen: 266.119 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 78261

Ion	Ratio	Lower	Upper
59	100		
57	10.7	8.5	12.7

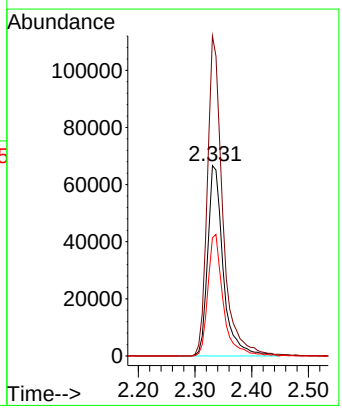


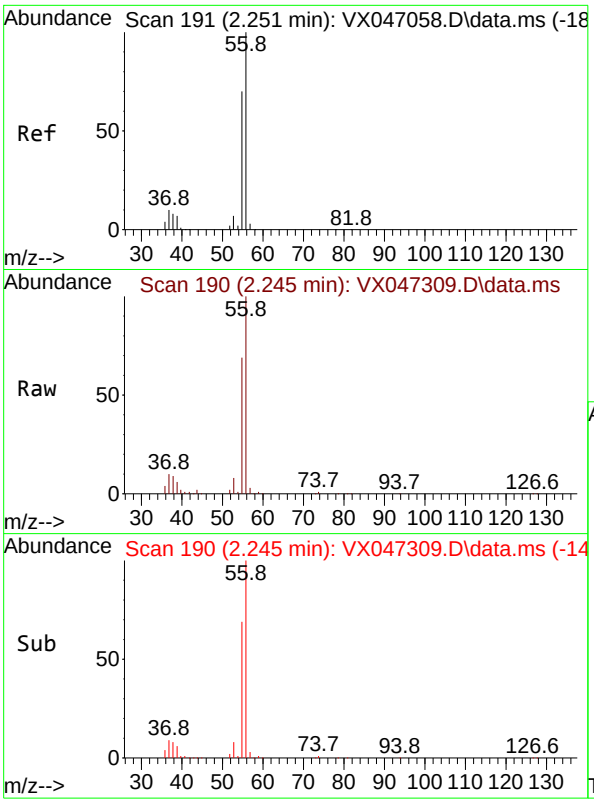


#12
1,1-Dichloroethene
Concen: 49.935 ug/l
RT: 2.331 min Scan# 204
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 96 Resp: 127051

Ion	Ratio	Lower	Upper
96	100		
61	168.1	132.6	198.8
98	62.0	50.2	75.4



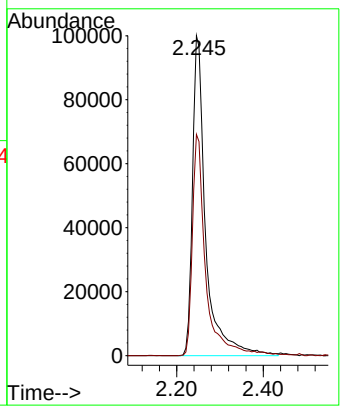


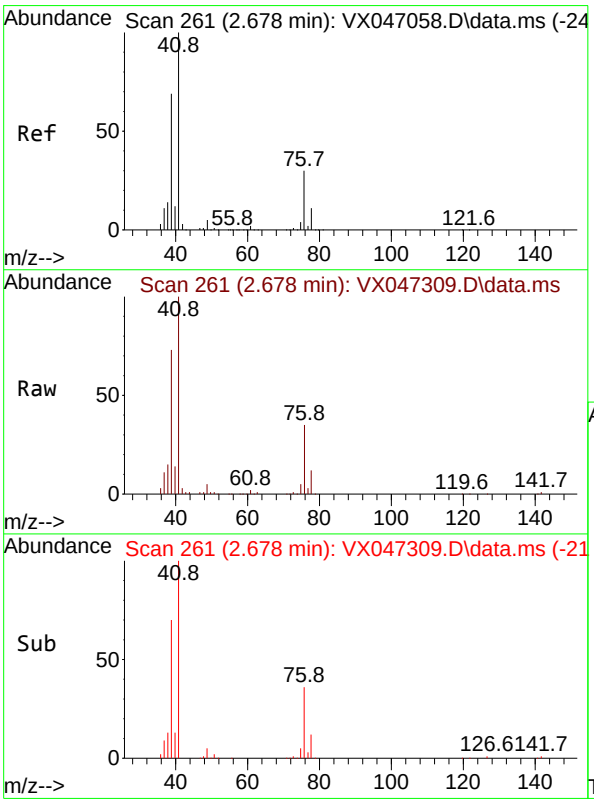
#13
Acrolein
Concen: 389.062 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 211272

Ion	Ratio	Lower	Upper
56	100		
55	70.4	55.7	83.5

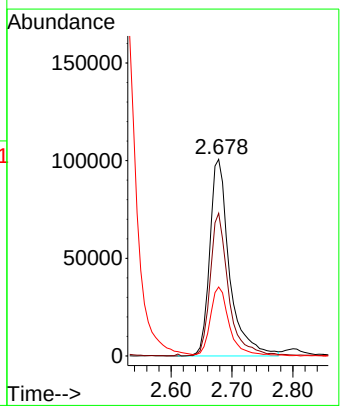


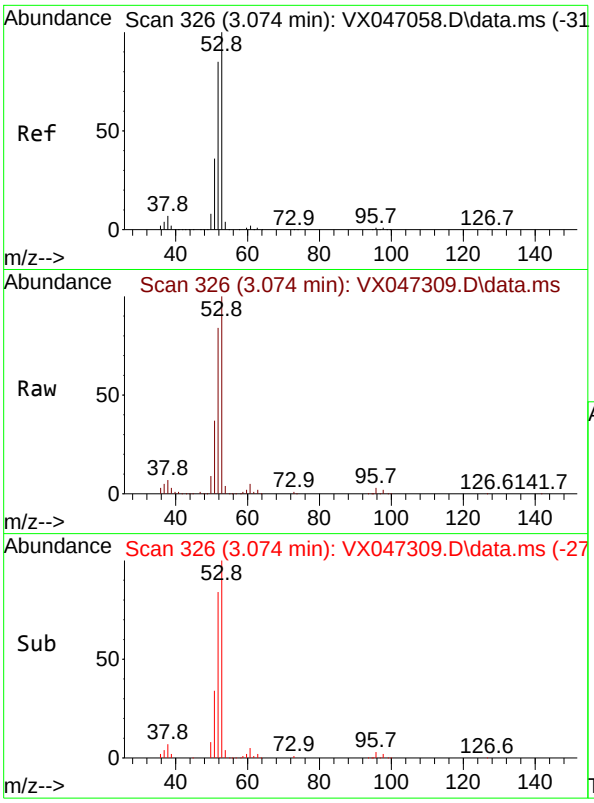


#14
Allyl chloride
Concen: 49.389 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 41 Resp: 227152

Ion	Ratio	Lower	Upper
41	100		
39	67.8	52.6	78.8
76	34.1	25.7	38.5



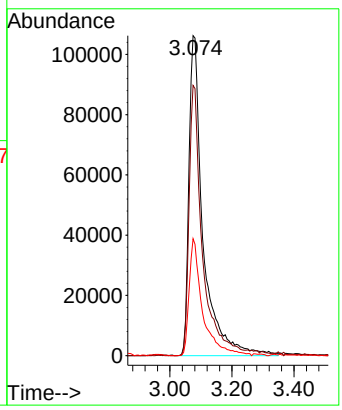


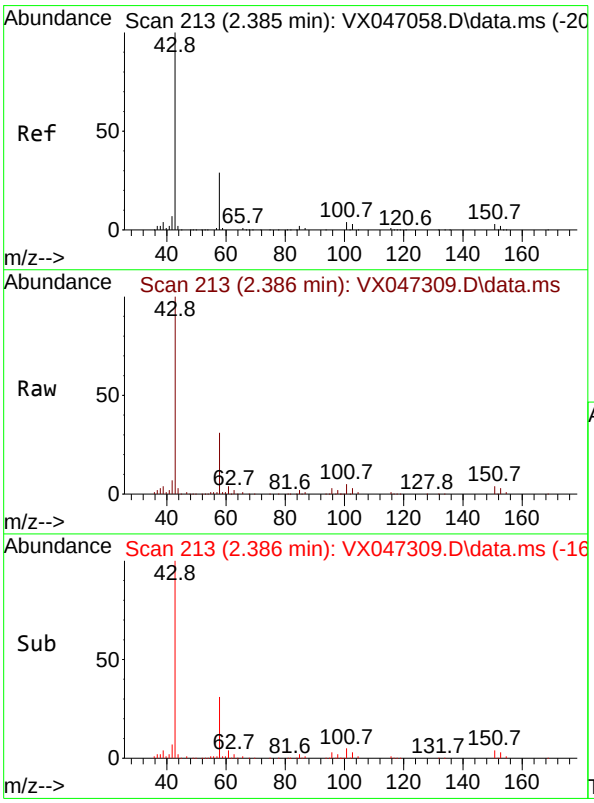
#15
Acrylonitrile
Concen: 280.076 ug/l
RT: 3.074 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 336877

Ion	Ratio	Lower	Upper
53	100		
52	80.5	65.7	98.5
51	35.0	28.8	43.2

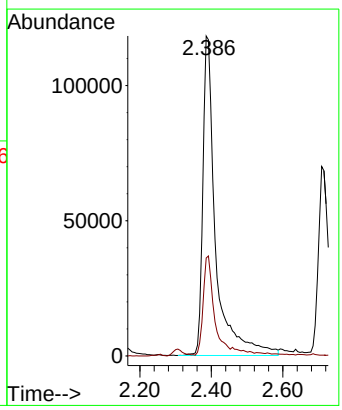


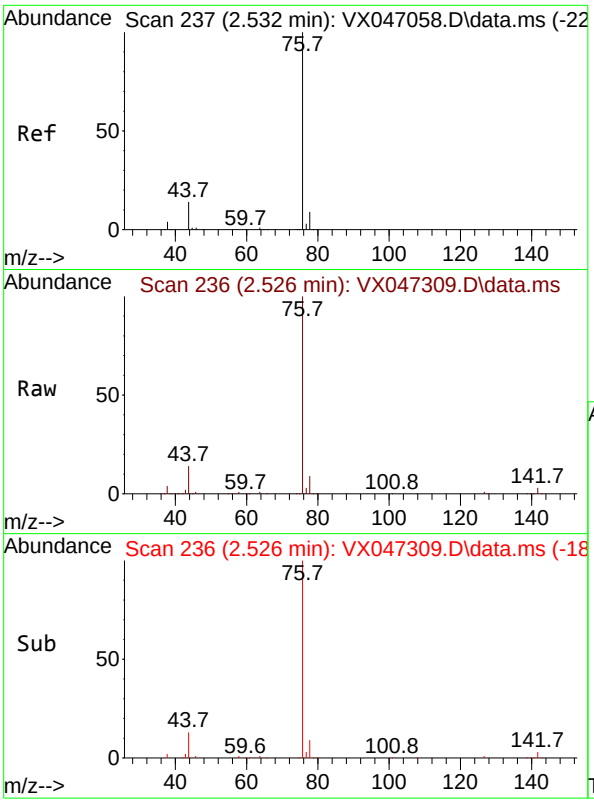


#16
Acetone
Concen: 291.855 ug/l
RT: 2.386 min Scan# 213
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 43 Resp: 294865

Ion	Ratio	Lower	Upper
43	100		
58	30.0	24.0	36.0



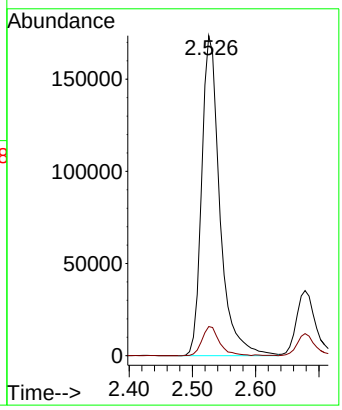


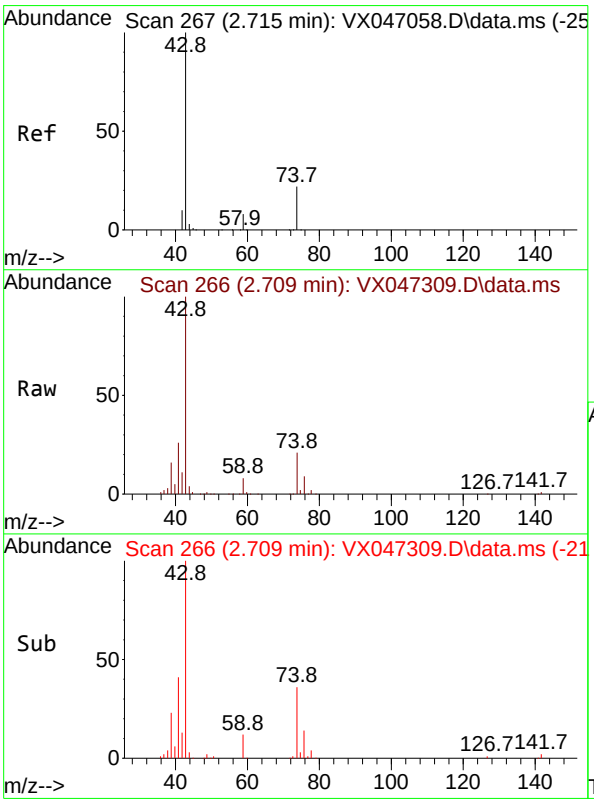
#17
Carbon Disulfide
Concen: 47.171 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 347209

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

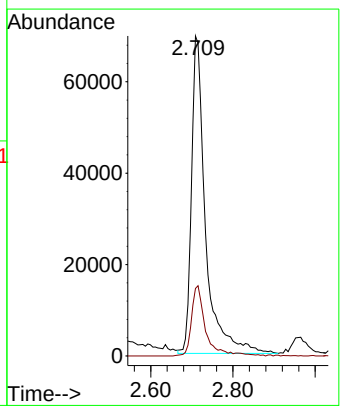


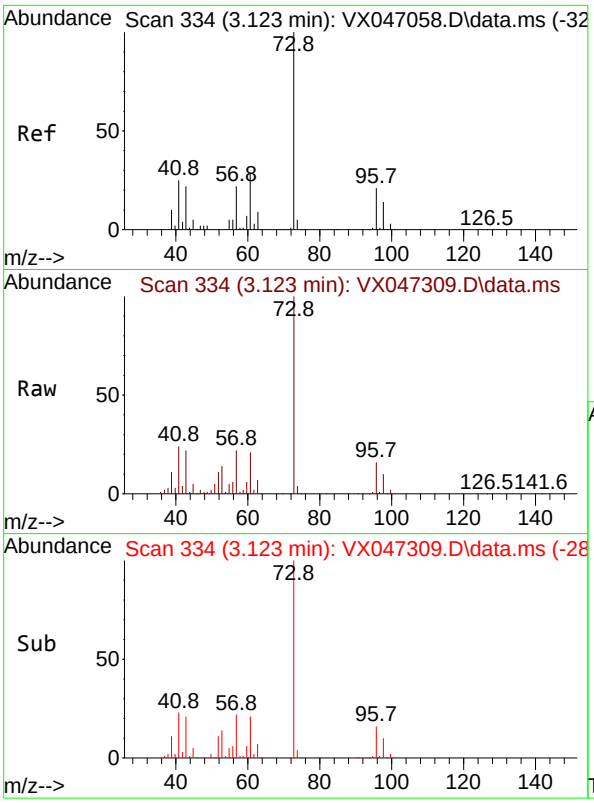


#18
Methyl Acetate
Concen: 61.331 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 43 Resp: 164668

Ion	Ratio	Lower	Upper
43	100		
74	21.5	17.7	26.5



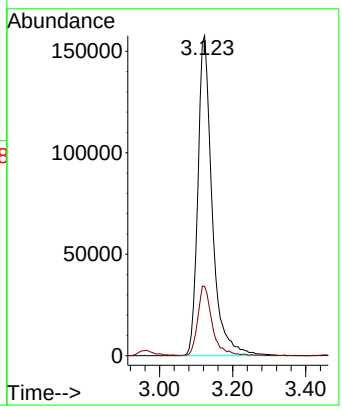


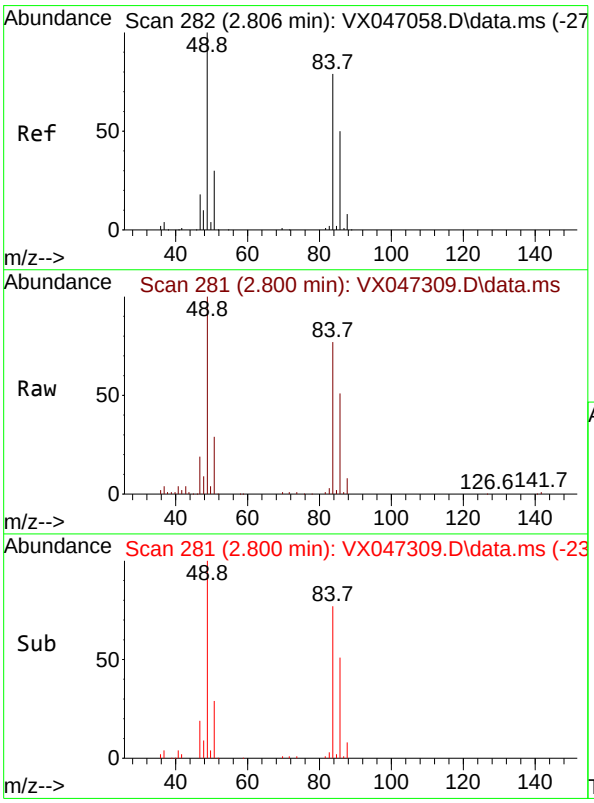
#19
Methyl tert-butyl Ether
Concen: 55.387 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 428882

Ion	Ratio	Lower	Upper
73	100		
57	21.6	17.7	26.5

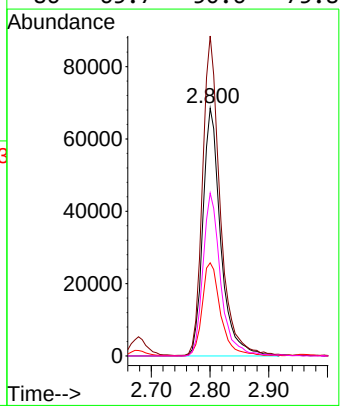


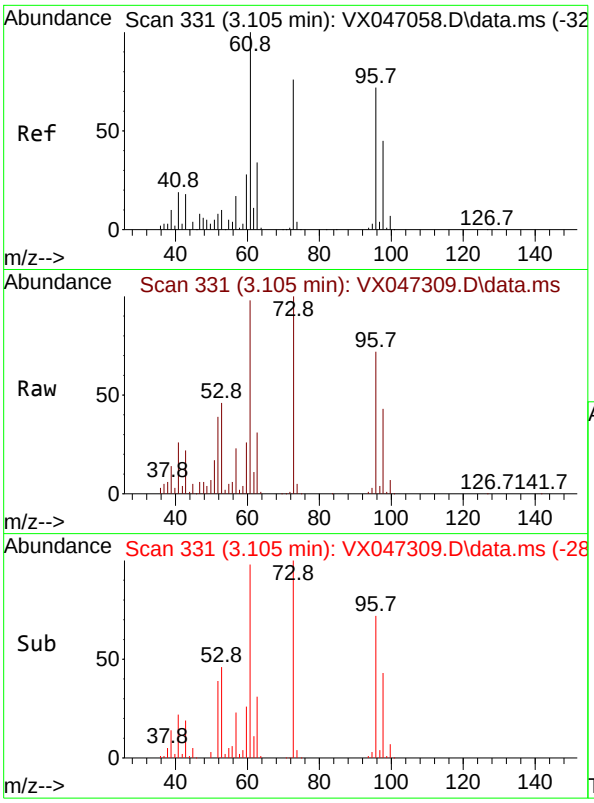


#20
Methylene Chloride
Concen: 52.043 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 84 Resp: 144651

Ion	Ratio	Lower	Upper
84	100		
49	128.8	101.6	152.4
51	37.5	30.3	45.5
86	65.7	50.6	75.8



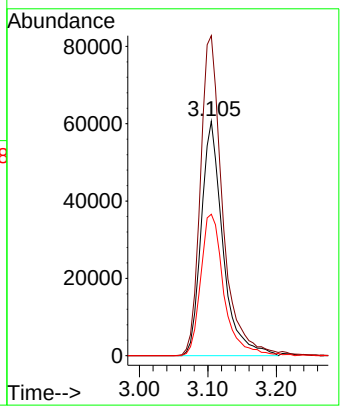


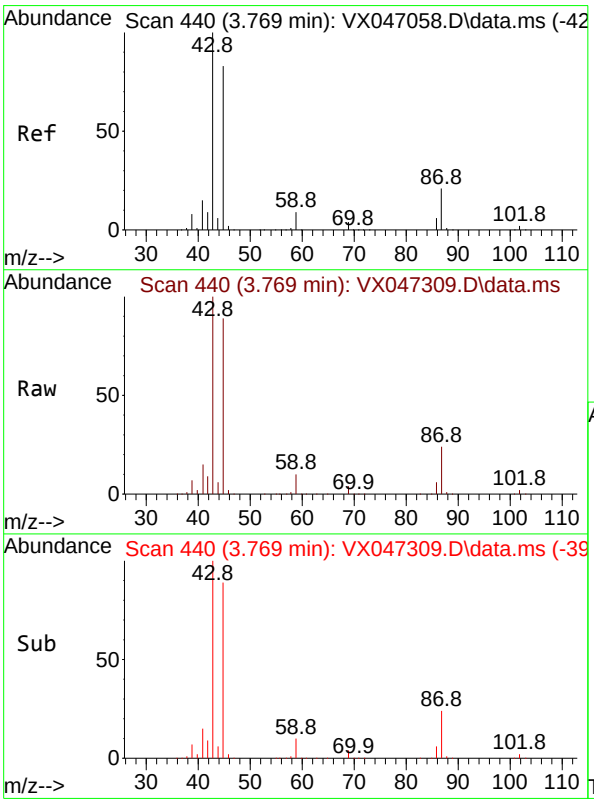
#21
trans-1,2-Dichloroethene
Concen: 51.205 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 133319

Ion	Ratio	Lower	Upper
96	100		
61	136.4	111.1	166.7
98	60.4	49.6	74.4

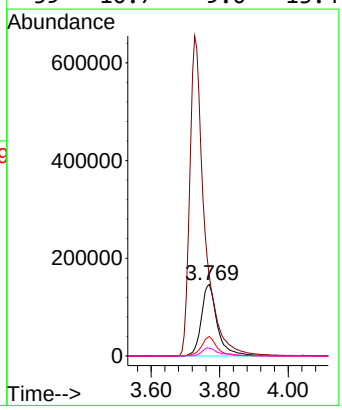


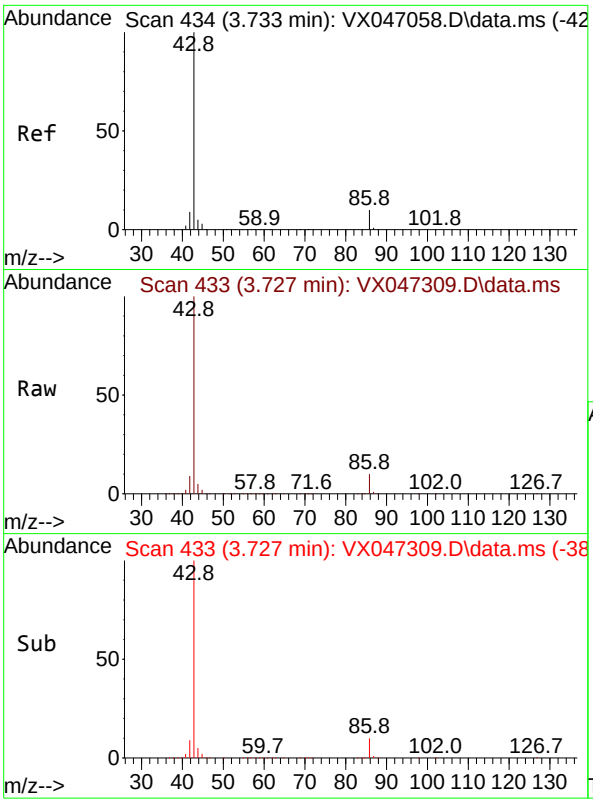


#22
Diisopropyl ether
Concen: 53.638 ug/l
RT: 3.769 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 45 Resp: 474294

Ion	Ratio	Lower	Upper
45	100		
43	112.0	96.8	145.2
87	27.3	20.5	30.7
59	10.7	9.0	13.4



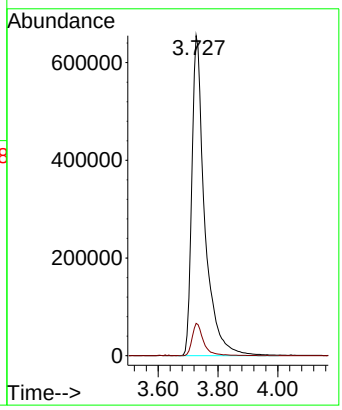


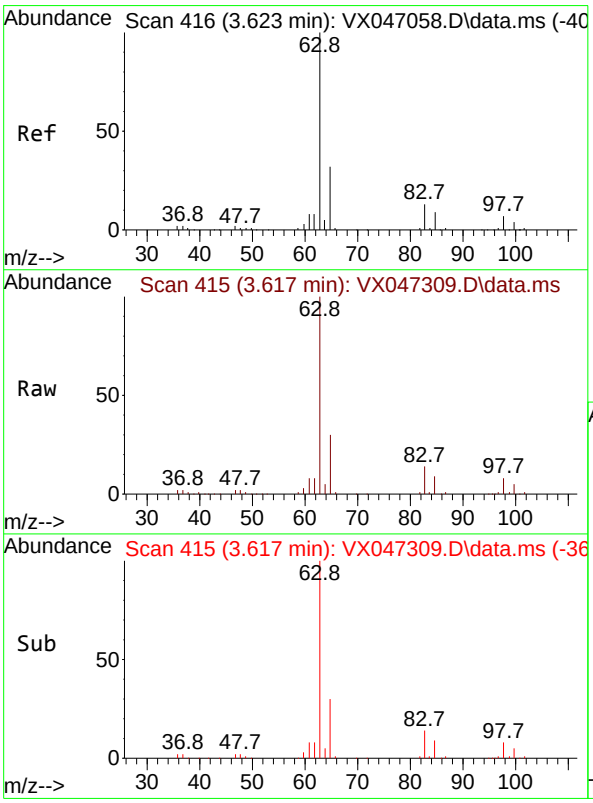
#23
Vinyl Acetate
Concen: 277.255 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1966349

Ion	Ratio	Lower	Upper
43	100		
86	10.1	8.1	12.1

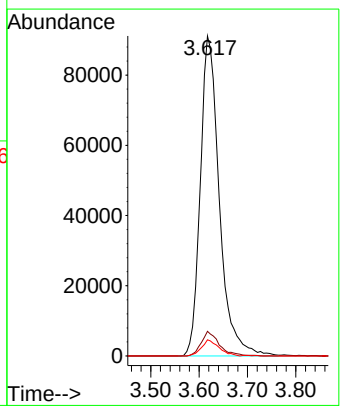


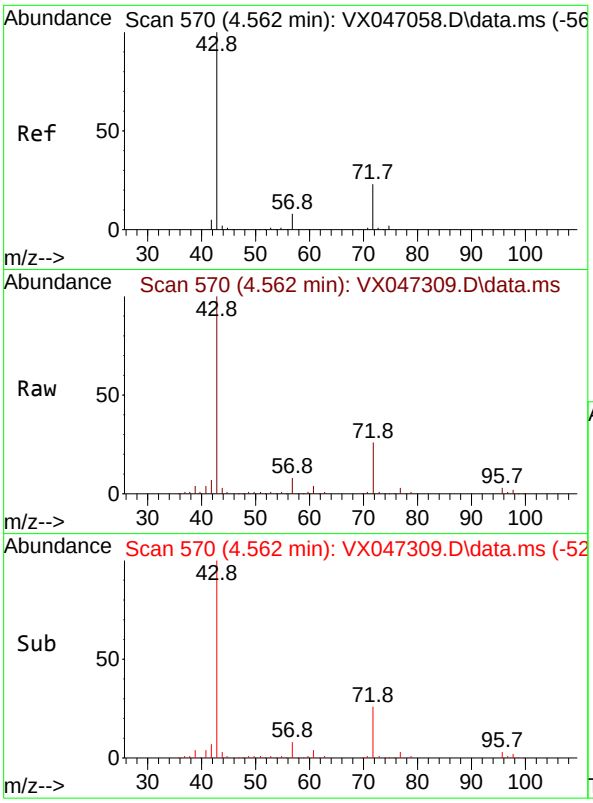


#24
1,1-Dichloroethane
Concen: 50.758 ug/l
RT: 3.617 min Scan# 415
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 63 Resp: 249579

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	5.0	2.3	6.8



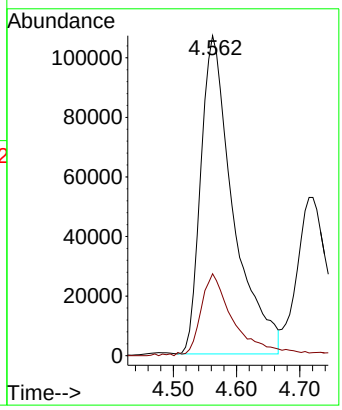


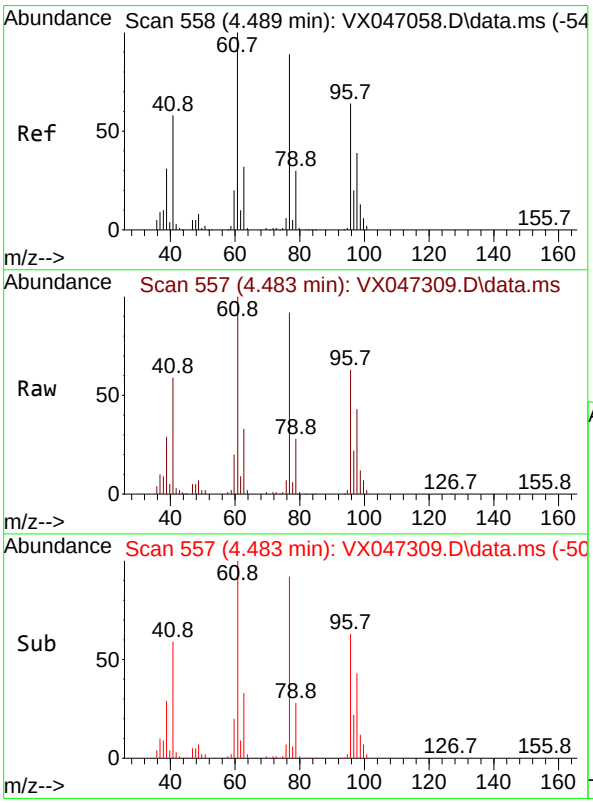
#25
2-Butanone
Concen: 258.198 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 379836

Ion	Ratio	Lower	Upper
43	100		
72	24.8	18.8	28.2

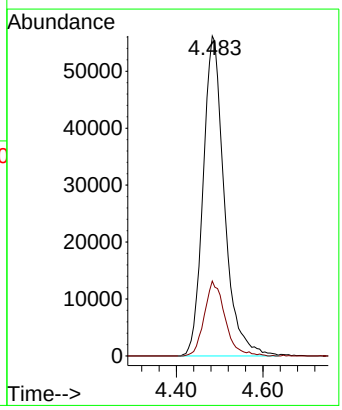


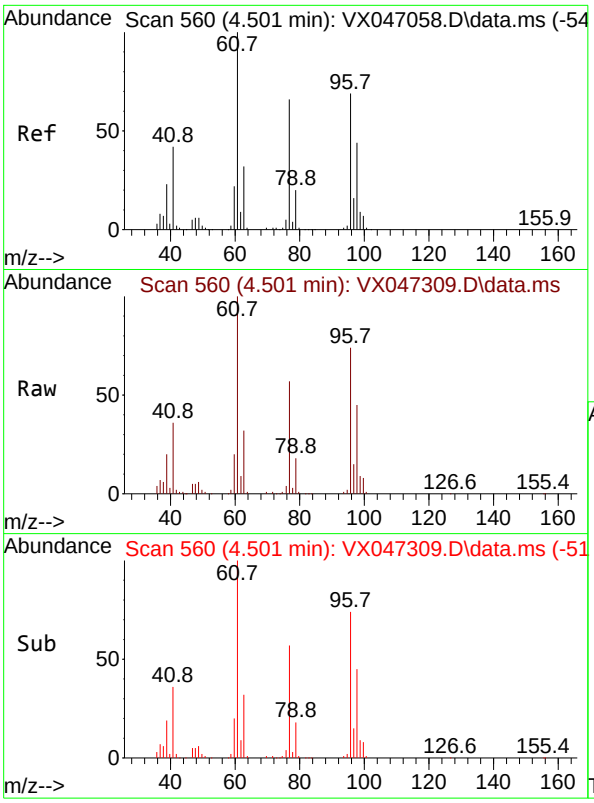


#26
2,2-Dichloropropane
Concen: 50.208 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 77 Resp: 191107

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.4	34.1



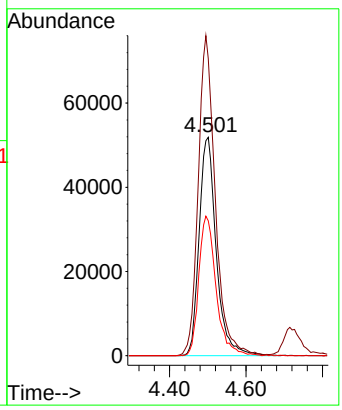


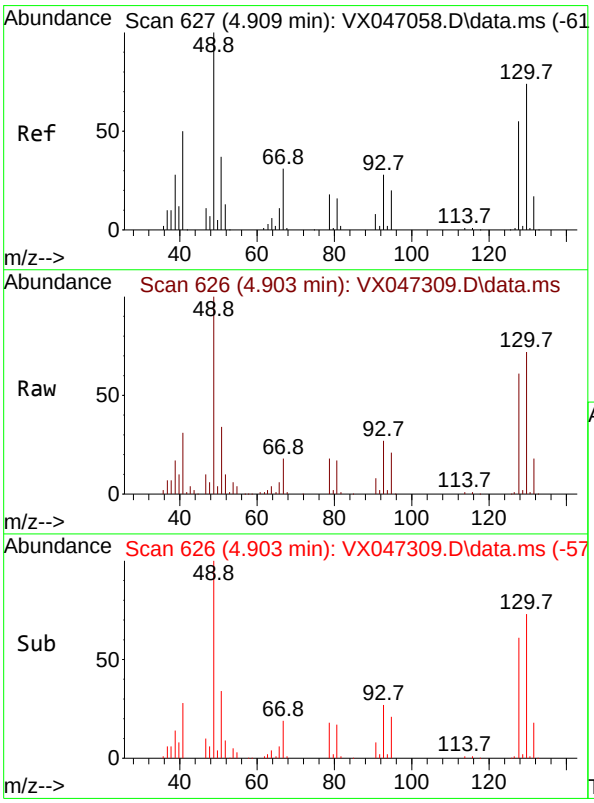
#27
cis-1,2-Dichloroethene
Concen: 52.320 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 161308

Ion	Ratio	Lower	Upper
96	100		
61	146.1	0.0	298.6
98	64.5	0.0	128.8

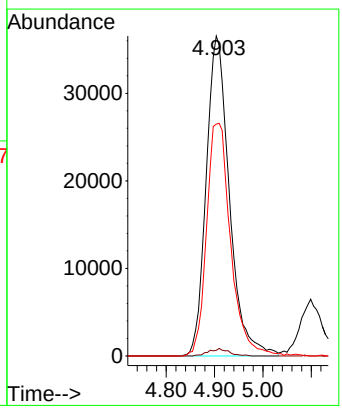


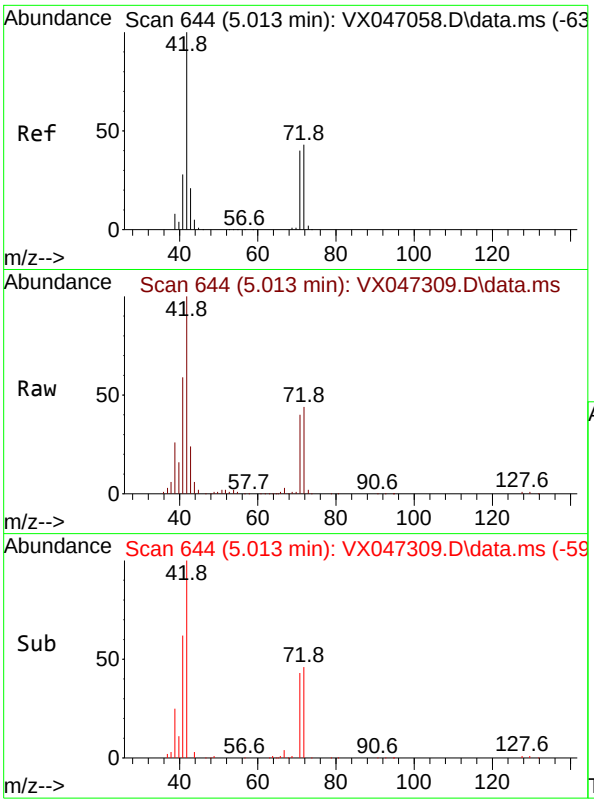


#28
Bromochloromethane
Concen: 53.820 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 49 Resp: 121750

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	75.2	59.0	88.4



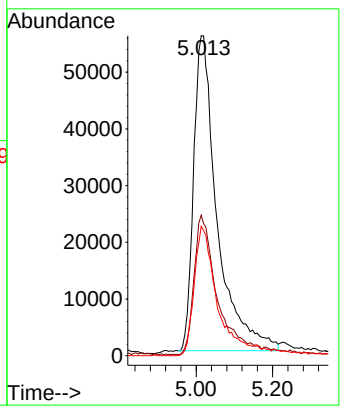


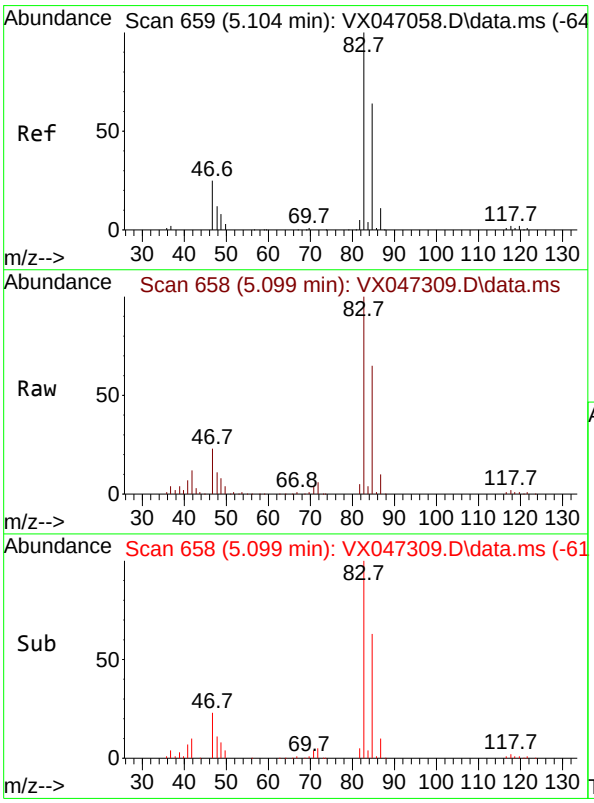
#29
Tetrahydrofuran
Concen: 250.372 ug/l
RT: 5.013 min Scan# 64
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 237647

Ion	Ratio	Lower	Upper
42	100		
72	43.4	33.7	50.5
71	39.2	31.0	46.4

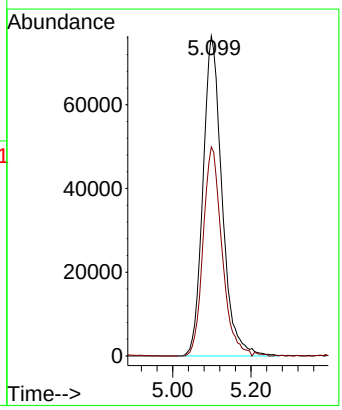


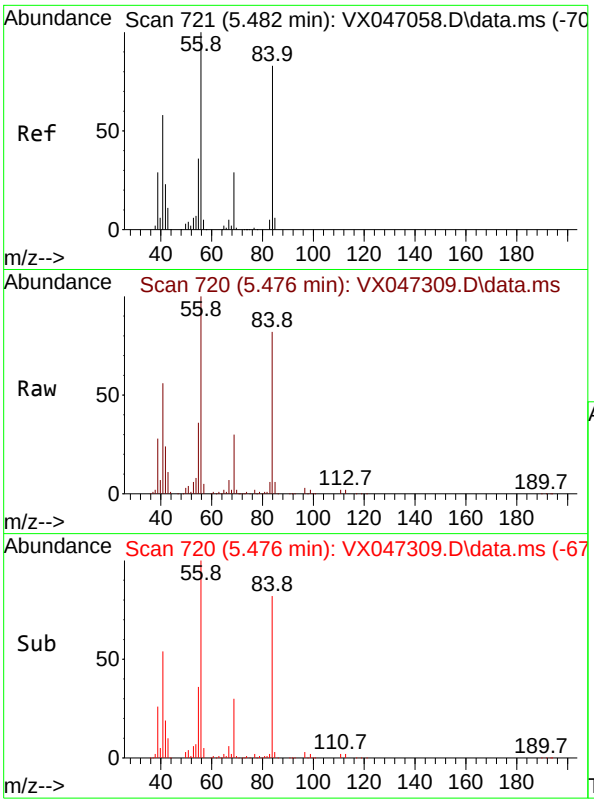


#30
Chloroform
Concen: 51.555 ug/l
RT: 5.099 min Scan# 658
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 83 Resp: 258046

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.9	76.3



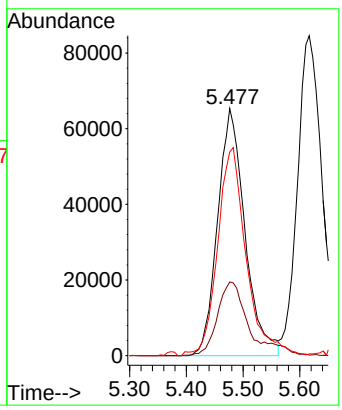


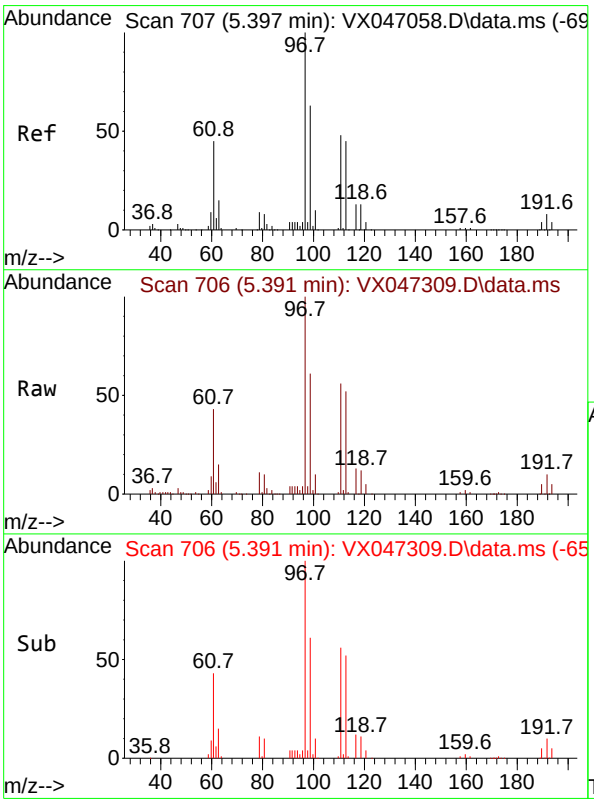
#31
Cyclohexane
Concen: 46.334 ug/l
RT: 5.476 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 218449

Ion	Ratio	Lower	Upper
56	100		
69	29.4	23.3	34.9
84	82.2	66.5	99.7

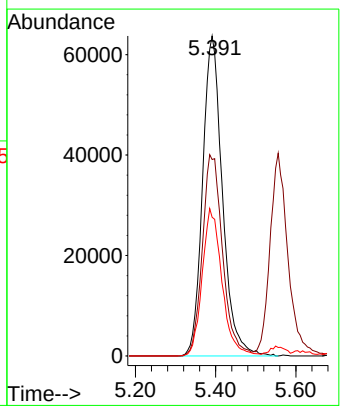


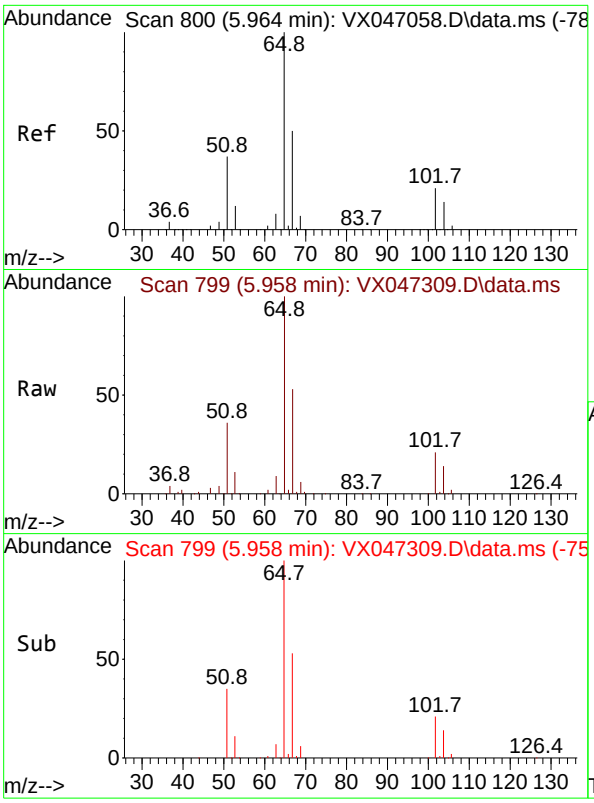


#32
1,1,1-Trichloroethane
Concen: 50.322 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 97 Resp: 218773

Ion	Ratio	Lower	Upper
97	100		
99	64.1	51.2	76.8
61	45.9	37.1	55.7



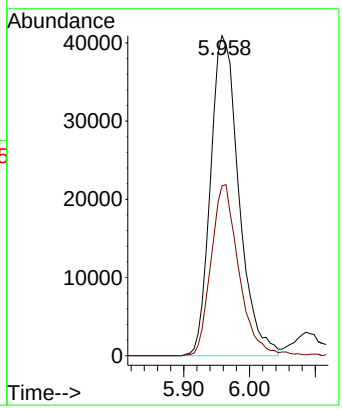


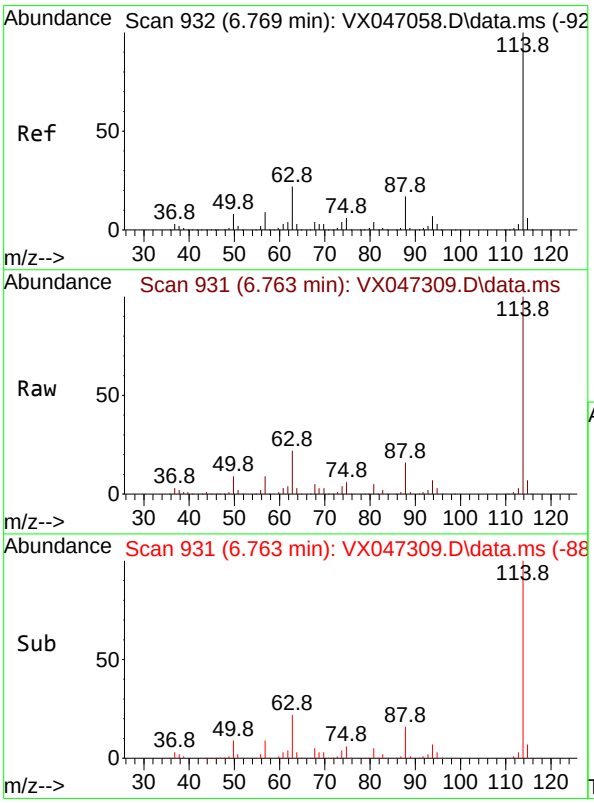
#33
1,2-Dichloroethane-d4
Concen: 48.737 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 122913

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	104.8

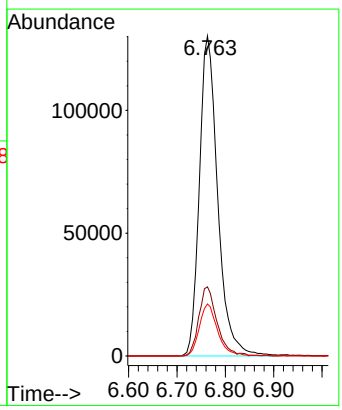


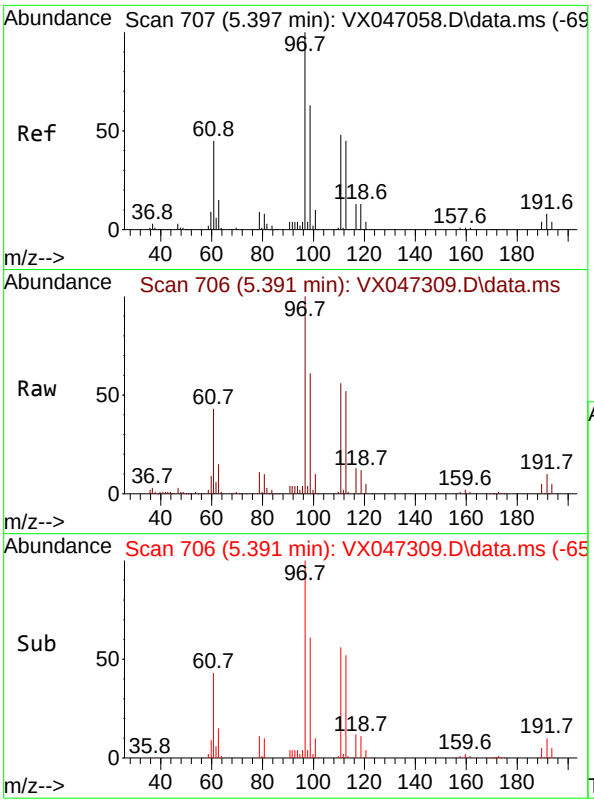


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:114 Resp: 343367

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



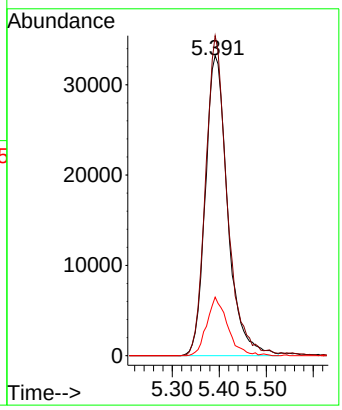


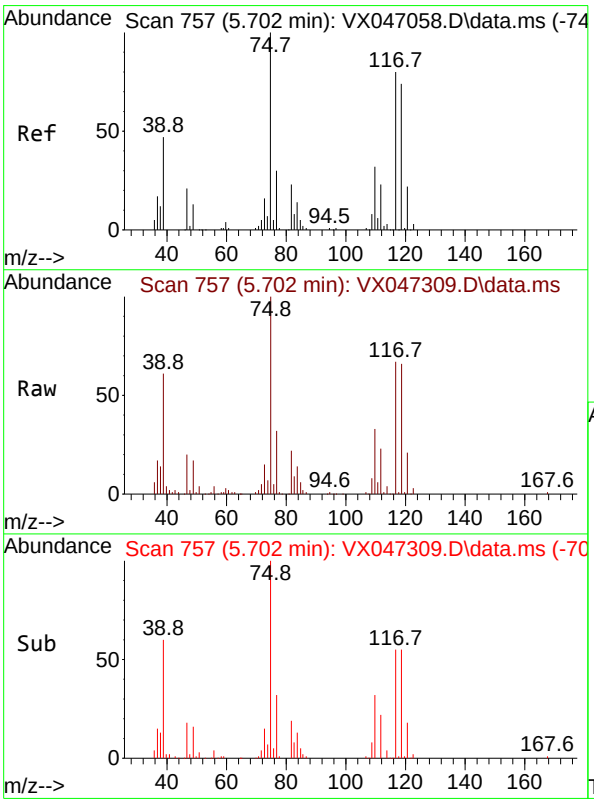
#35
Dibromofluoromethane
Concen: 51.627 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 109453

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.6	124.0
192	18.2	14.9	22.3

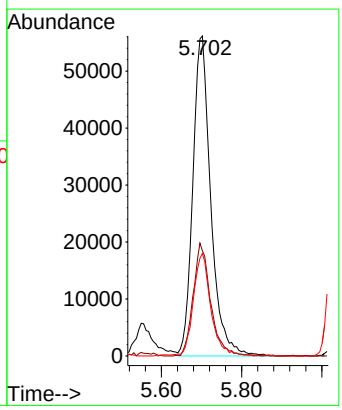


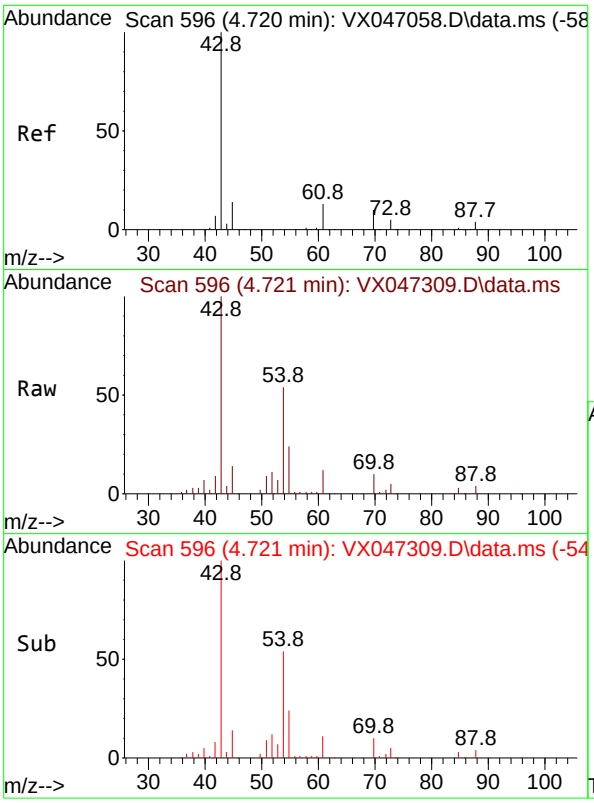


#36
1,1-Dichloropropene
Concen: 48.290 ug/l
RT: 5.702 min Scan# 757
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 75 Resp: 174512

Ion	Ratio	Lower	Upper
75	100		
110	34.2	17.2	51.5
77	30.7	25.1	37.7



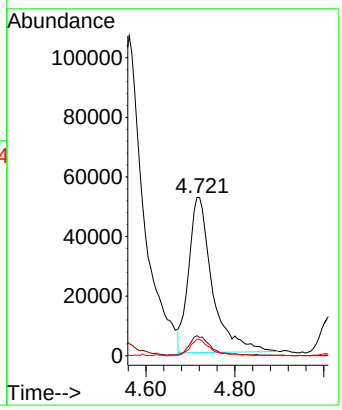


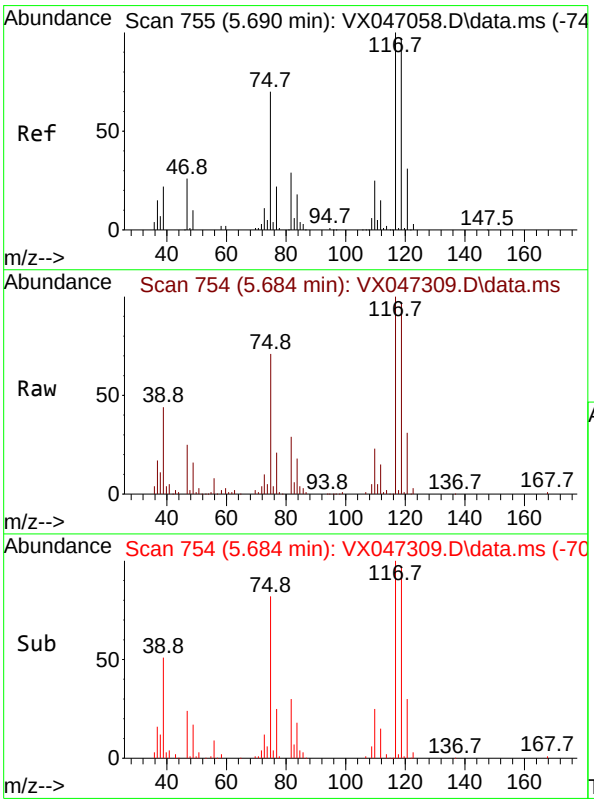
#37
Ethyl Acetate
Concen: 57.925 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 192890

Ion	Ratio	Lower	Upper
43	100		
61	10.7	10.2	15.2
70	9.3	8.1	12.1

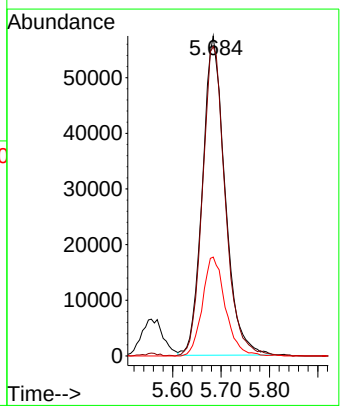


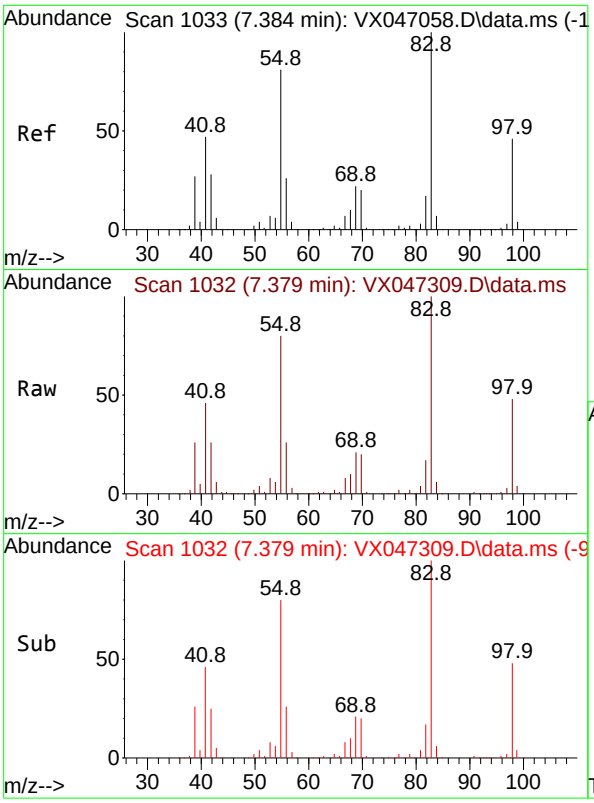


#38
Carbon Tetrachloride
Concen: 48.263 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:117 Resp: 186156

Ion	Ratio	Lower	Upper
117	100		
119	96.7	76.6	115.0
121	31.0	24.4	36.6



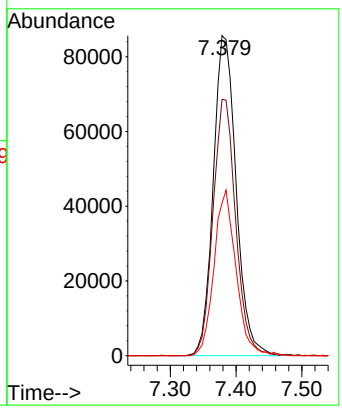


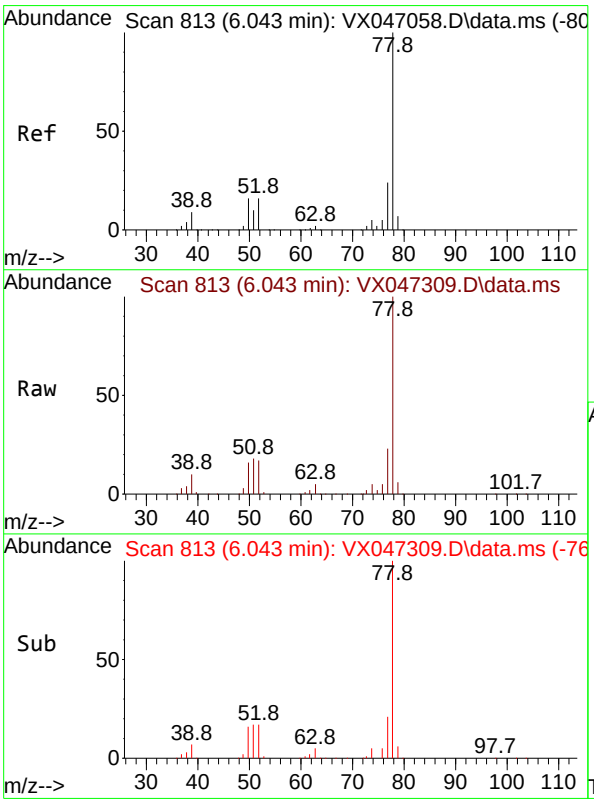
#39
Methylcyclohexane
Concen: 45.966 ug/l
RT: 7.379 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 207402

Ion	Ratio	Lower	Upper
83	100		
55	80.1	64.5	96.7
98	47.7	36.9	55.3

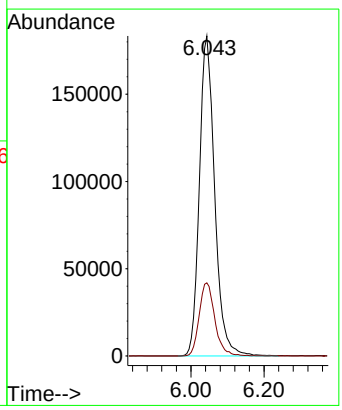


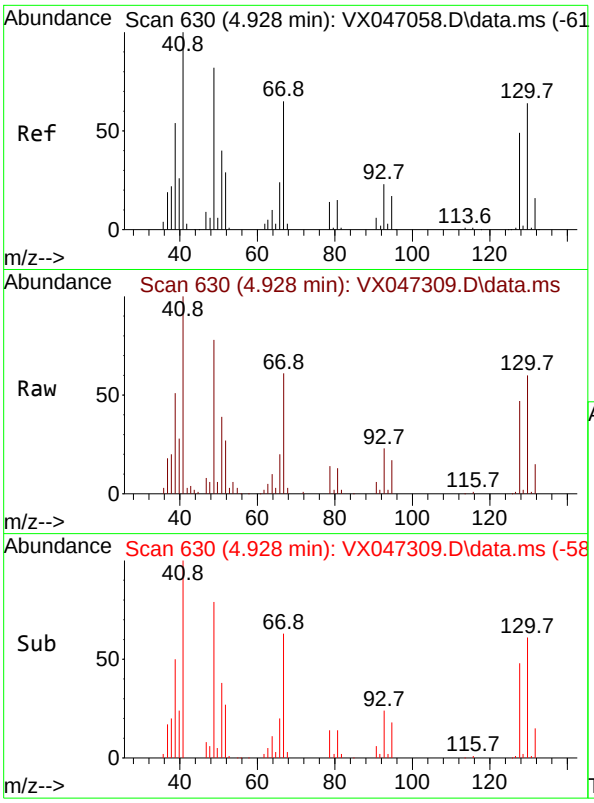


#40
Benzene
Concen: 51.034 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 78 Resp: 533739

Ion	Ratio	Lower	Upper
78	100		
77	22.8	19.0	28.4



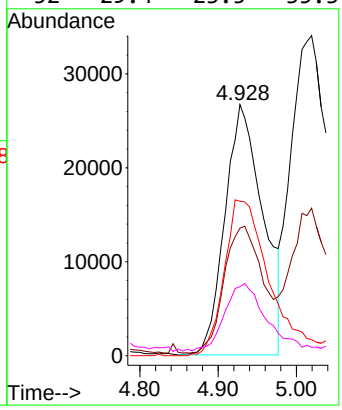


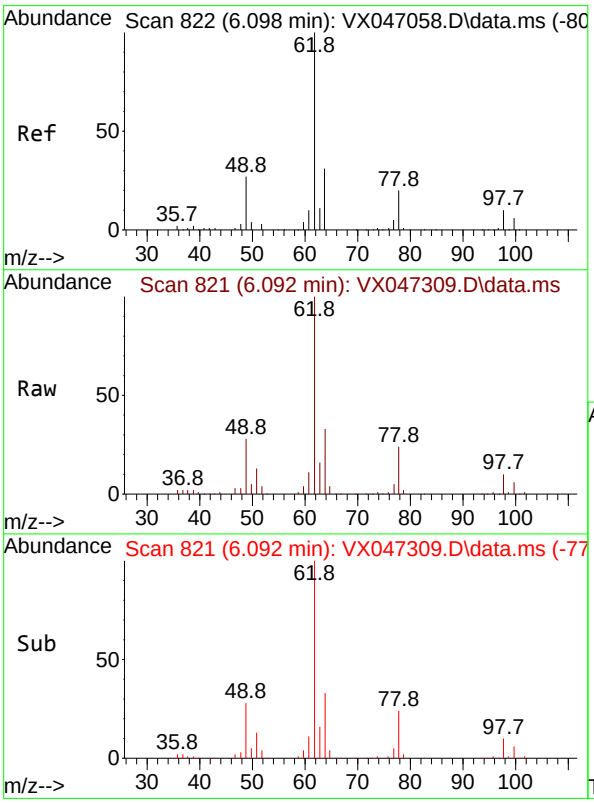
#41
Methacrylonitrile
Concen: 51.663 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 89952

Ion	Ratio	Lower	Upper
41	100		
39	51.0	44.2	66.2
67	75.6	56.4	84.6
52	29.4	23.5	35.3

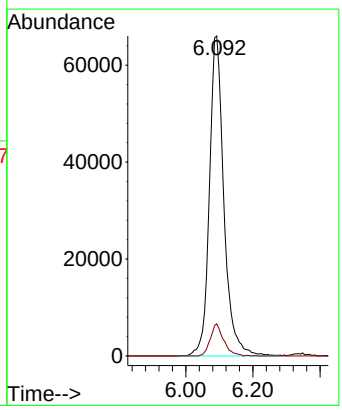


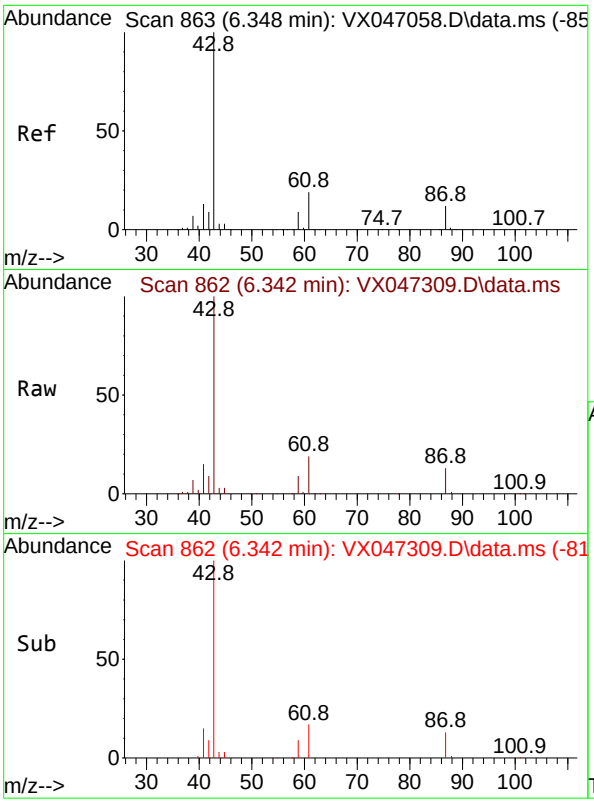


#42
1,2-Dichloroethane
Concen: 53.804 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 62 Resp: 198218

Ion	Ratio	Lower	Upper
62	100		
98	9.2	0.0	18.8



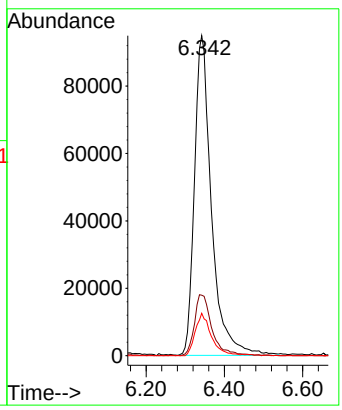


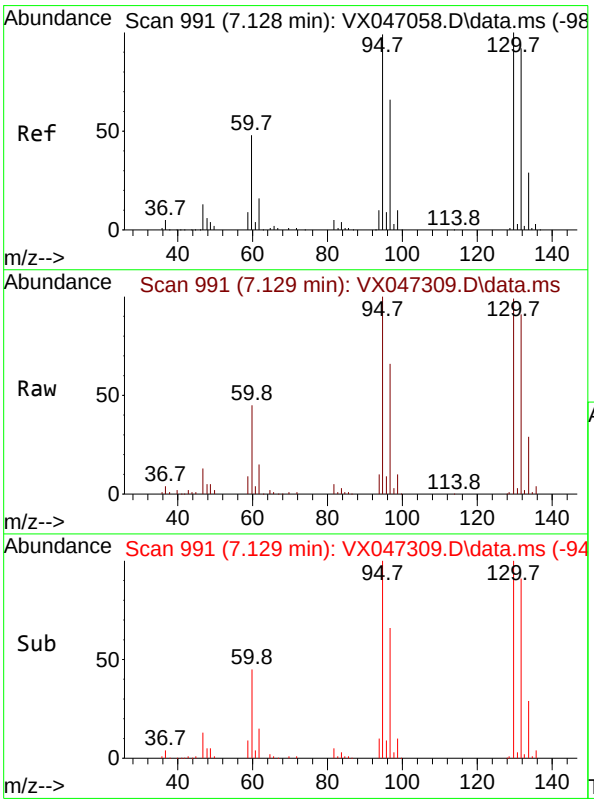
#43
Isopropyl Acetate
Concen: 55.423 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 287722

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.1	22.7
87	12.7	9.7	14.5

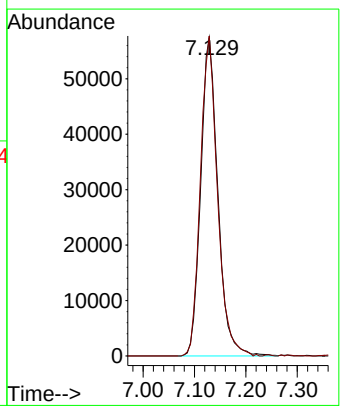


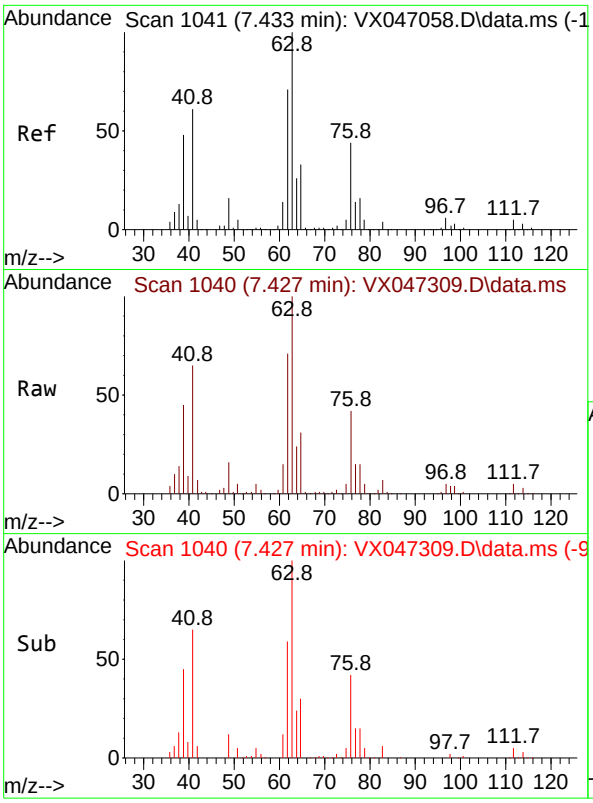


#44
Trichloroethene
Concen: 49.765 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:130 Resp: 133465

Ion	Ratio	Lower	Upper
130	100		
95	100.6	0.0	198.6



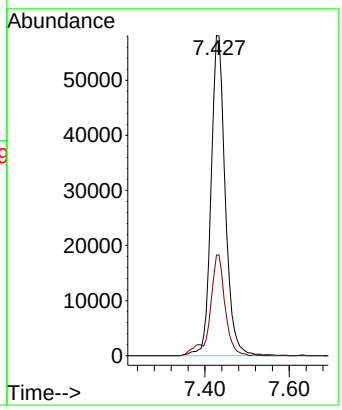


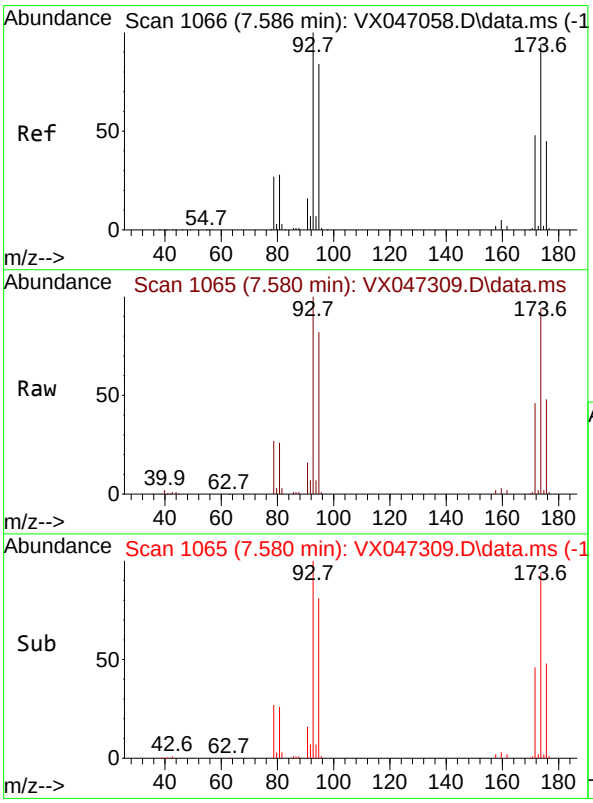
#45
1,2-Dichloropropane
Concen: 51.888 ug/l
RT: 7.427 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 135914

Ion	Ratio	Lower	Upper
63	100		
65	31.4	26.3	39.5

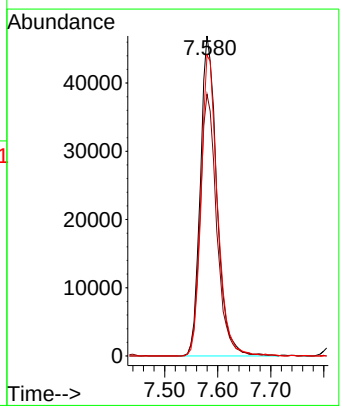


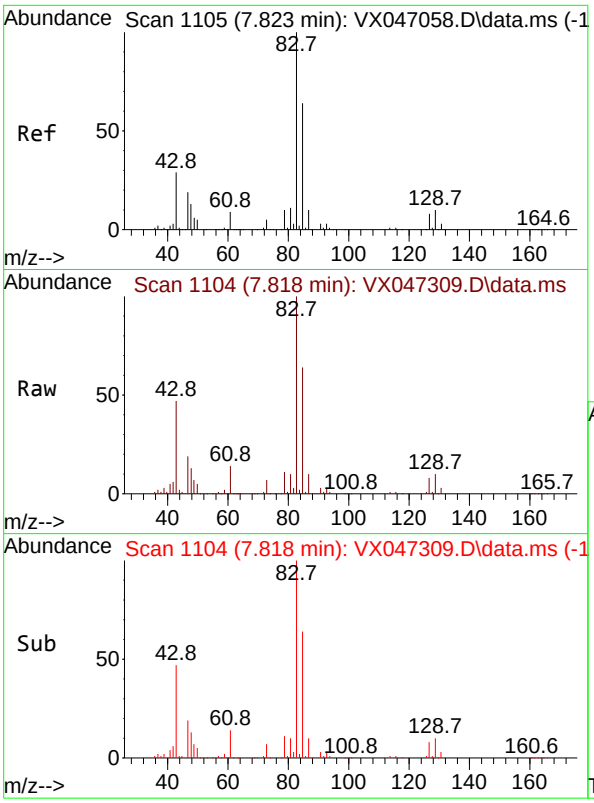


#46
Dibromomethane
Concen: 55.078 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 93 Resp: 101172

Ion	Ratio	Lower	Upper
93	100		
95	81.8	65.9	98.9
174	93.1	74.6	112.0



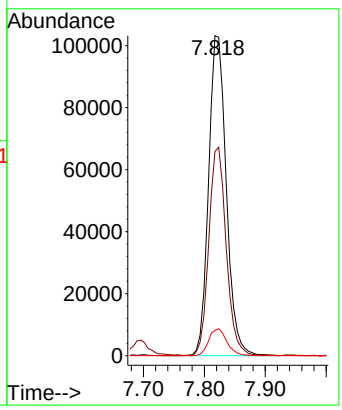


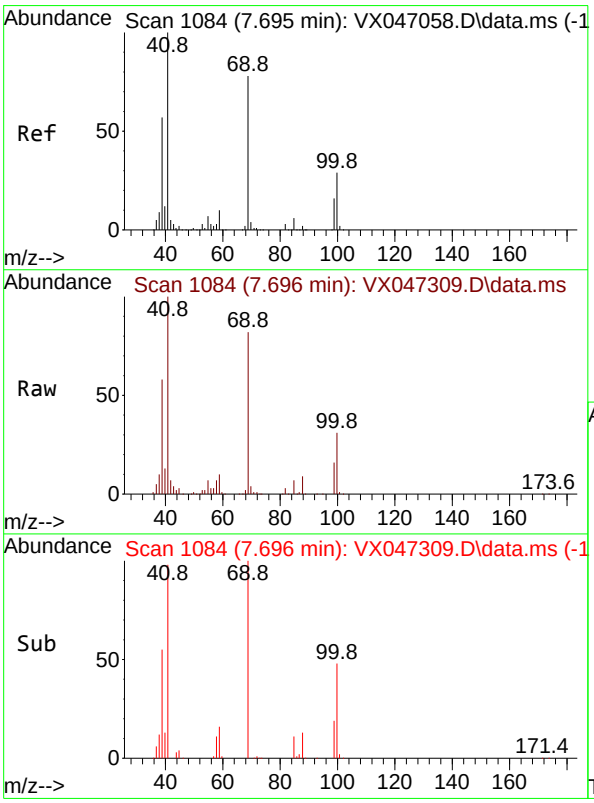
#47
Bromodichloromethane
Concen: 53.254 ug/l
RT: 7.818 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 208211

Ion	Ratio	Lower	Upper
83	100		
85	63.7	49.9	74.9
127	7.9	6.6	10.0

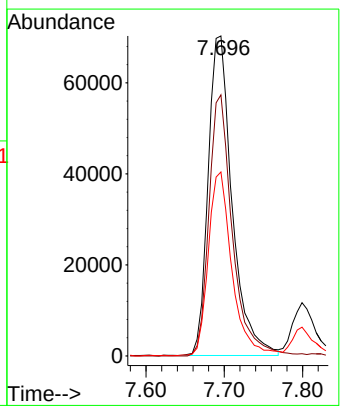


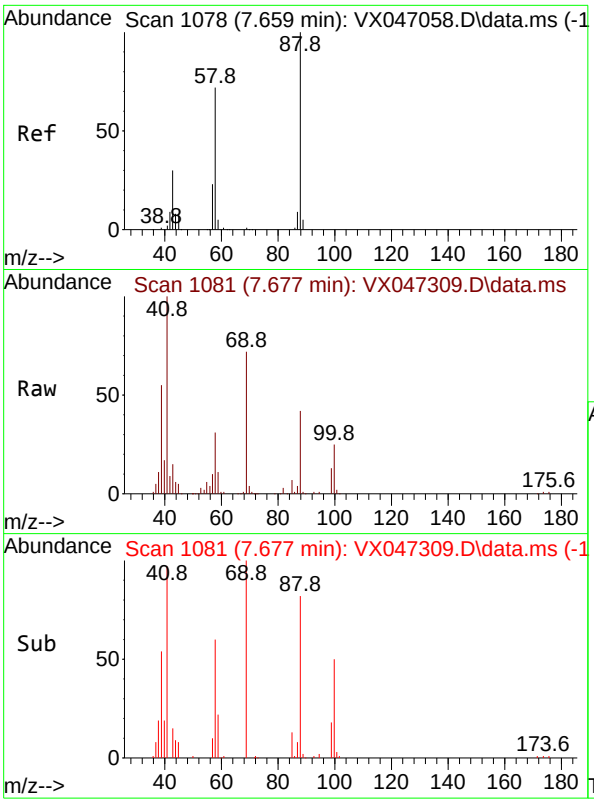


#48
Methyl methacrylate
Concen: 52.829 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 41 Resp: 149404

Ion	Ratio	Lower	Upper
41	100		
69	80.0	62.3	93.5
39	56.7	44.8	67.2



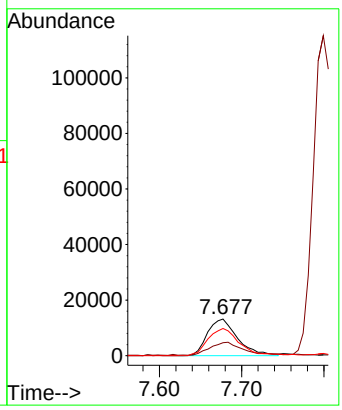


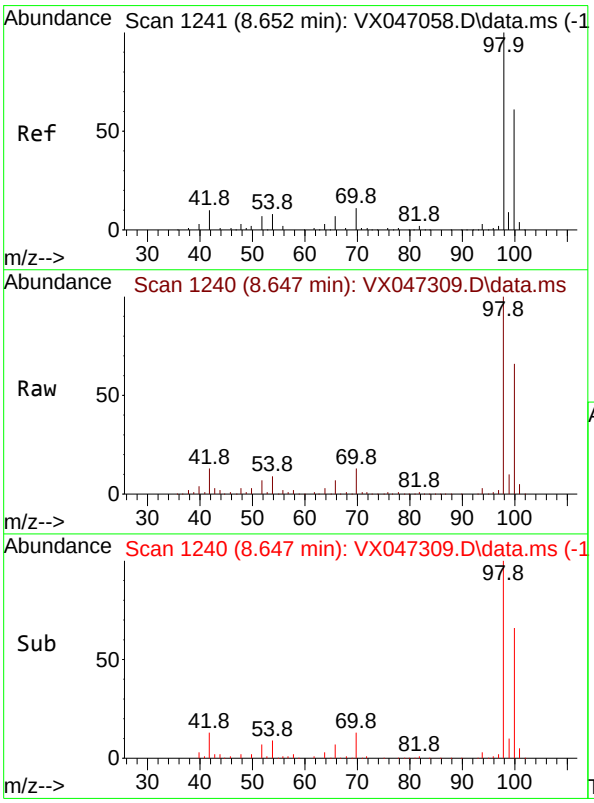
#49
1,4-Dioxane
Concen: 1042.543 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 33534

Ion	Ratio	Lower	Upper
88	100		
43	38.0	33.6	50.4
58	78.7	58.8	88.2

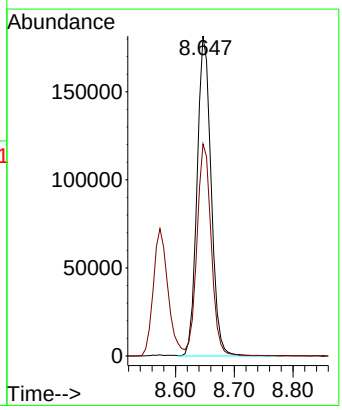


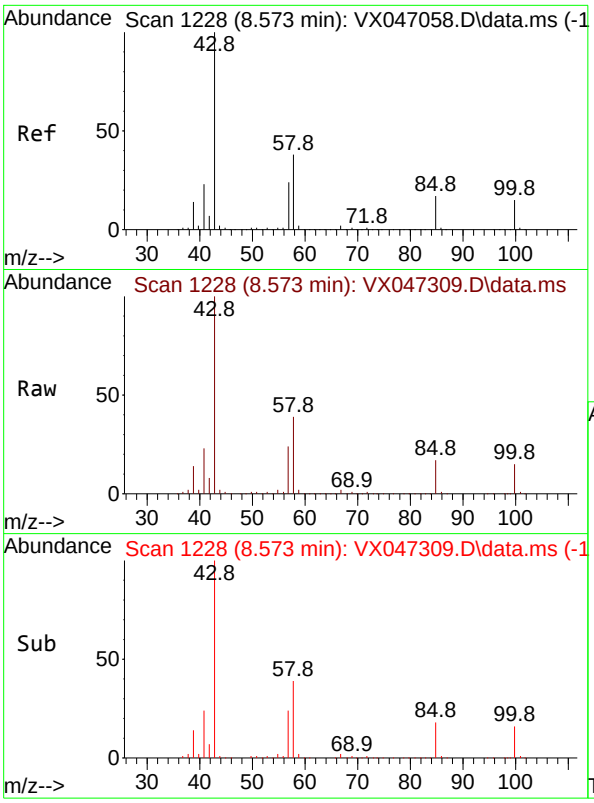


#50
Toluene-d8
Concen: 43.990 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 98 Resp: 302023

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.3	79.9



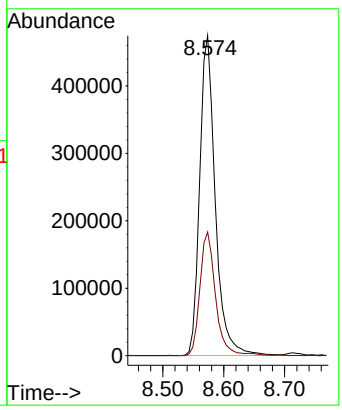


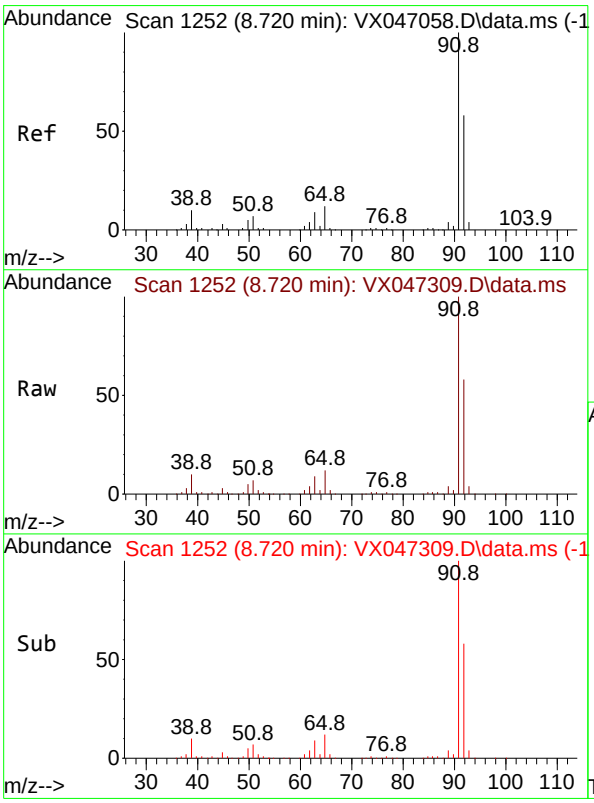
#51
4-Methyl-2-Pentanone
Concen: 274.116 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 845831

Ion	Ratio	Lower	Upper
43	100		
58	39.0	30.6	45.8

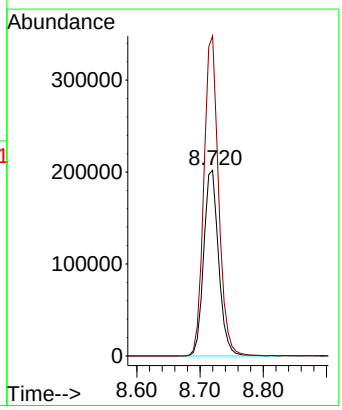


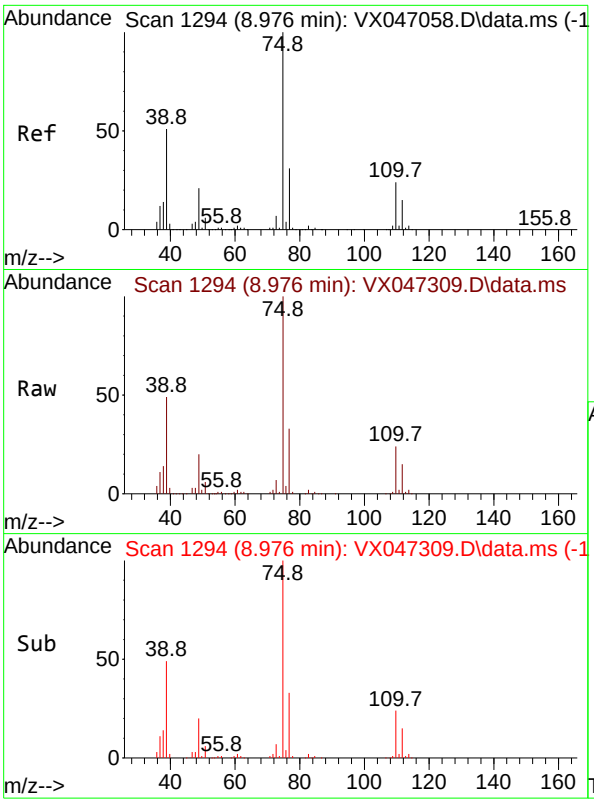


#52
Toluene
Concen: 51.598 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 92 Resp: 331807

Ion	Ratio	Lower	Upper
92	100		
91	169.9	137.9	206.9



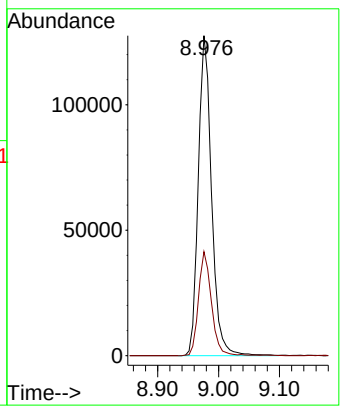


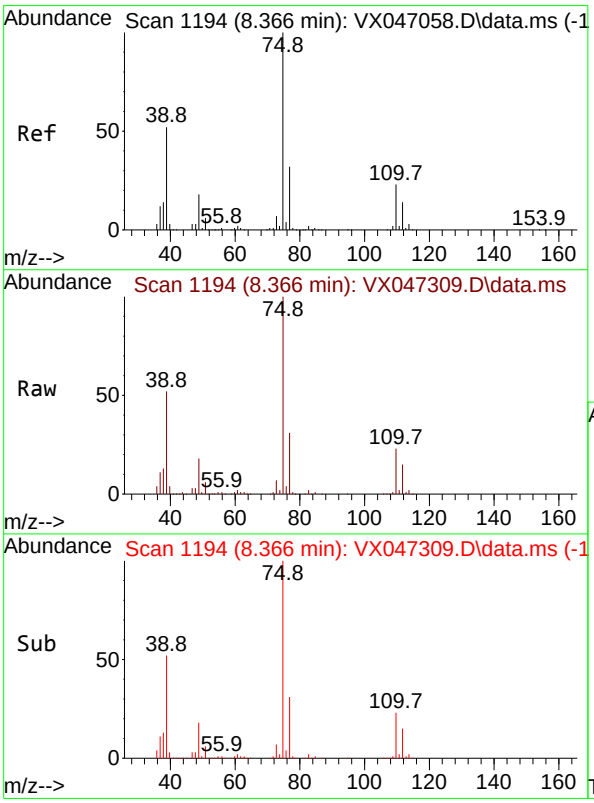
#53
t-1,3-Dichloropropene
Concen: 52.270 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 192983

Ion	Ratio	Lower	Upper
75	100		
77	32.5	24.5	36.7

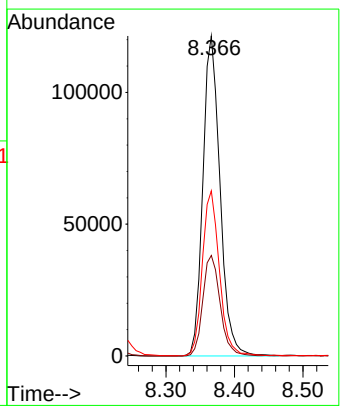


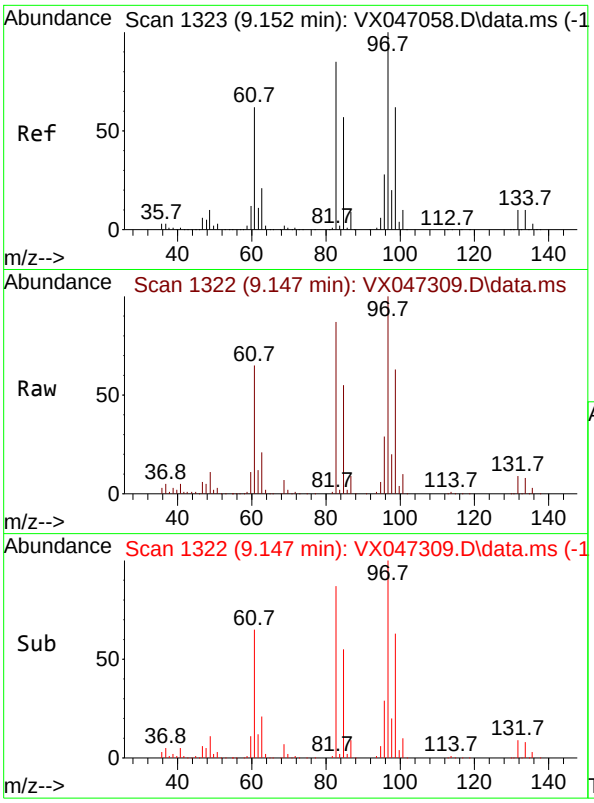


#54
cis-1,3-Dichloropropene
Concen: 52.423 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 75 Resp: 211833

Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.4	38.0
39	50.8	41.8	62.6



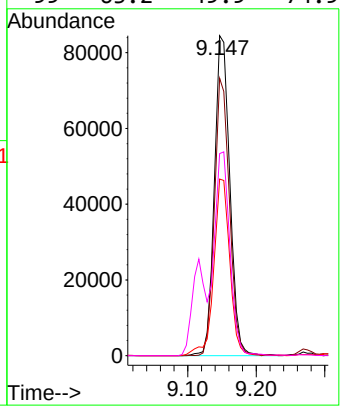


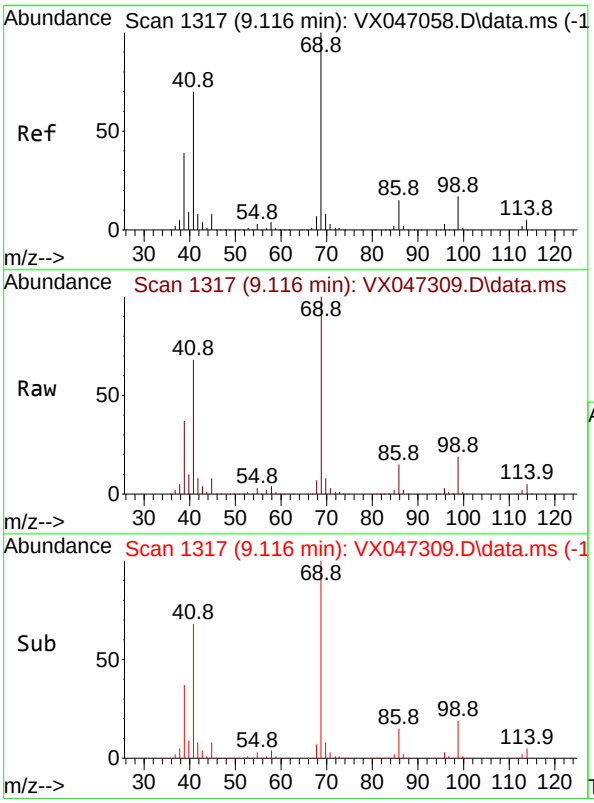
#55
1,1,2-Trichloroethane
Concen: 54.707 ug/l
RT: 9.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 131934

Ion	Ratio	Lower	Upper
97	100		
83	86.7	68.0	102.0
85	55.2	45.2	67.8
99	63.2	49.9	74.9

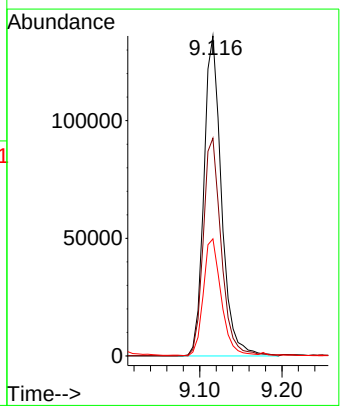


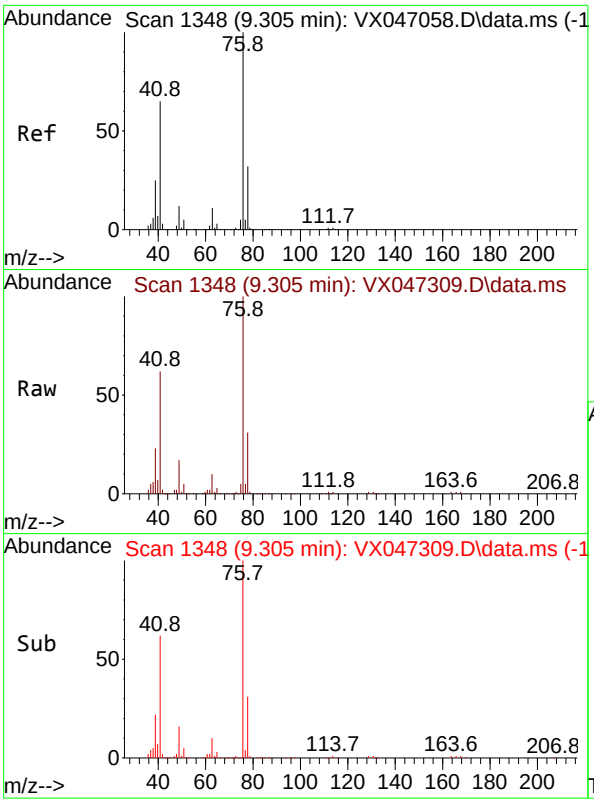


#56
Ethyl methacrylate
Concen: 56.604 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 69 Resp: 202090

Ion	Ratio	Lower	Upper
69	100		
41	69.9	56.1	84.1
39	36.8	31.1	46.7



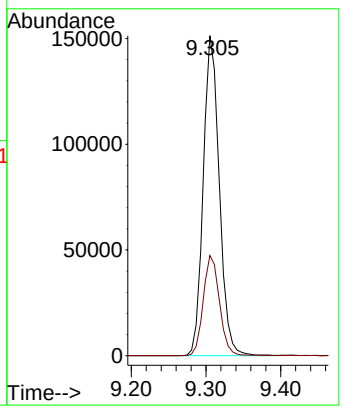


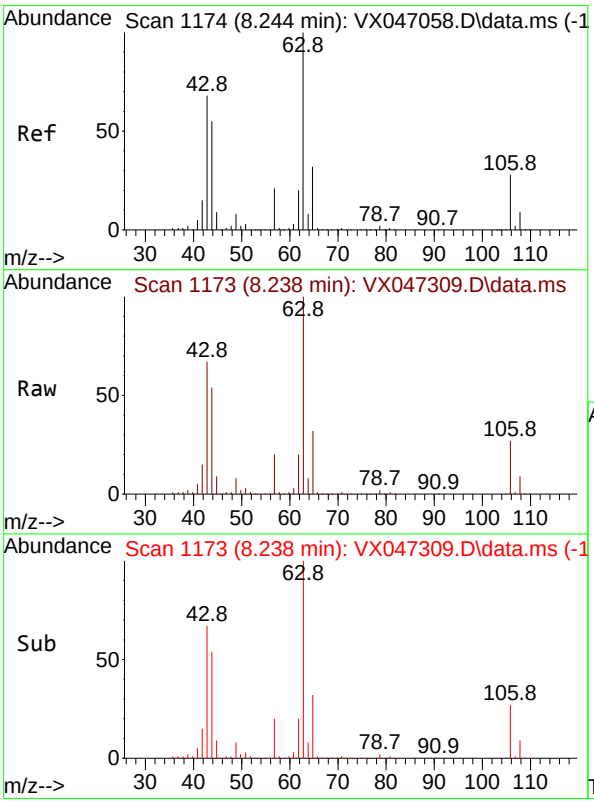
#57
1,3-Dichloropropane
Concen: 53.892 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 225882

Ion	Ratio	Lower	Upper
76	100		
78	31.6	25.5	38.3

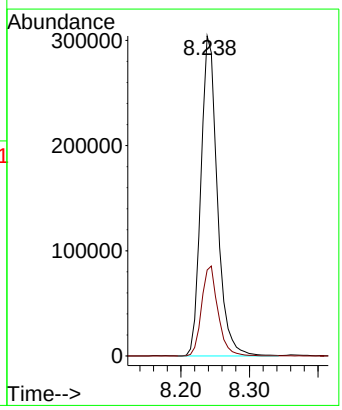


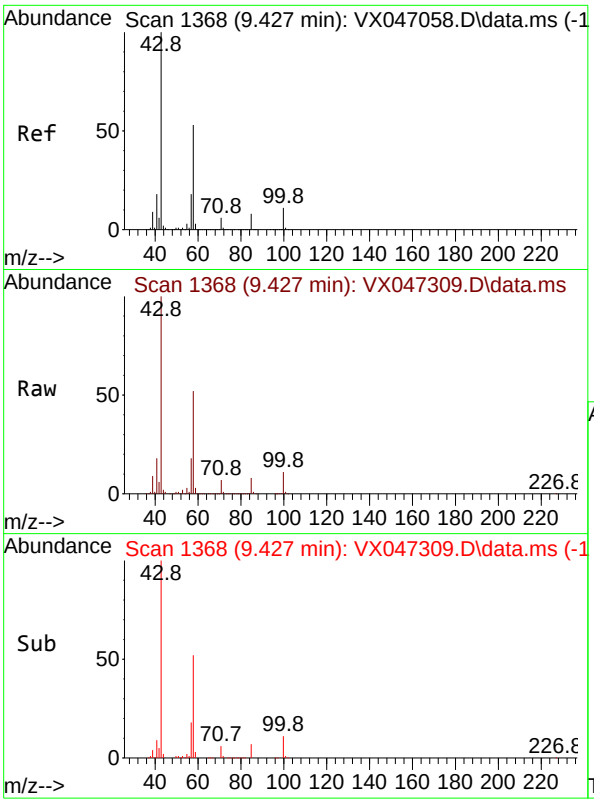


#58
2-Chloroethyl Vinyl ether
Concen: 255.533 ug/l
RT: 8.238 min Scan# 1173
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 63 Resp: 507677

Ion	Ratio	Lower	Upper
63	100		
106	28.1	22.2	33.4



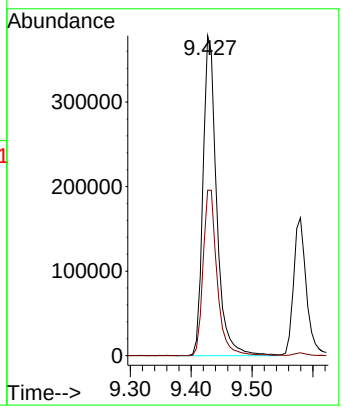


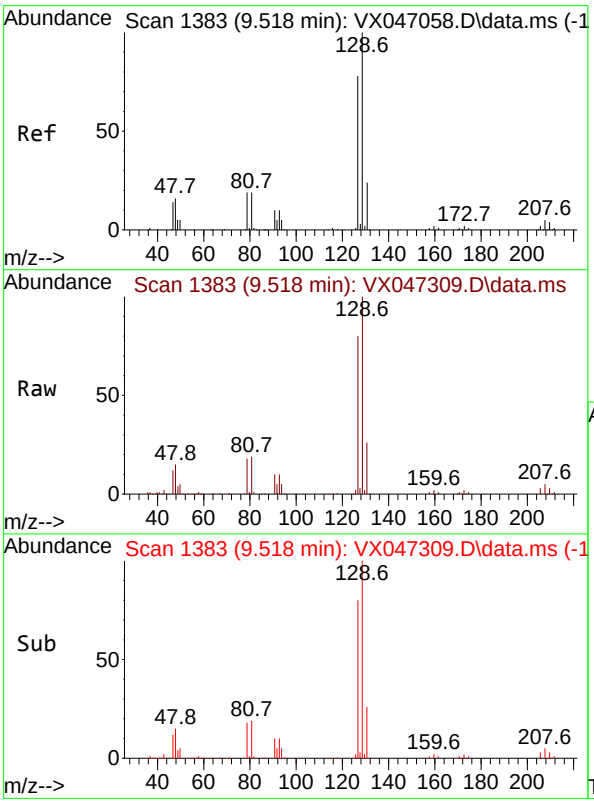
#59
2-Hexanone
Concen: 290.316 ug/l
RT: 9.427 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 591849

Ion	Ratio	Lower	Upper
43	100		
58	53.1	26.5	79.5

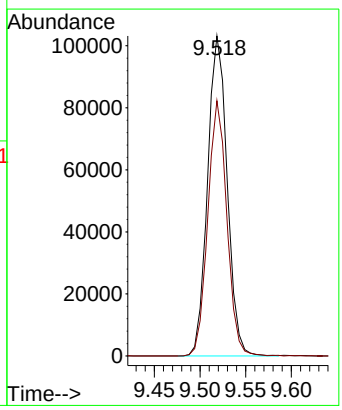


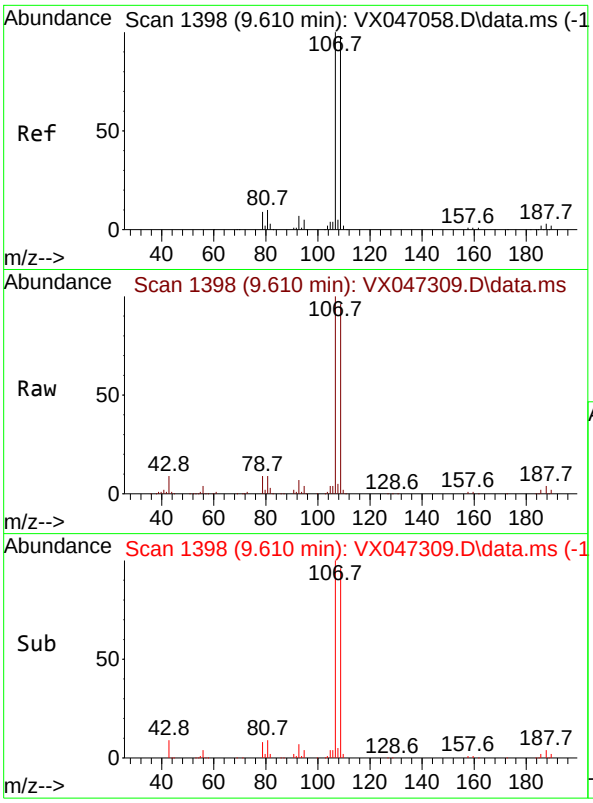


#60
Dibromochloromethane
Concen: 54.334 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:129 Resp: 153681

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8



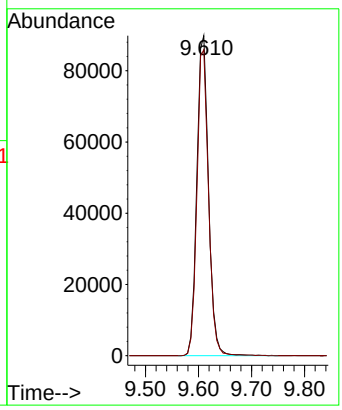


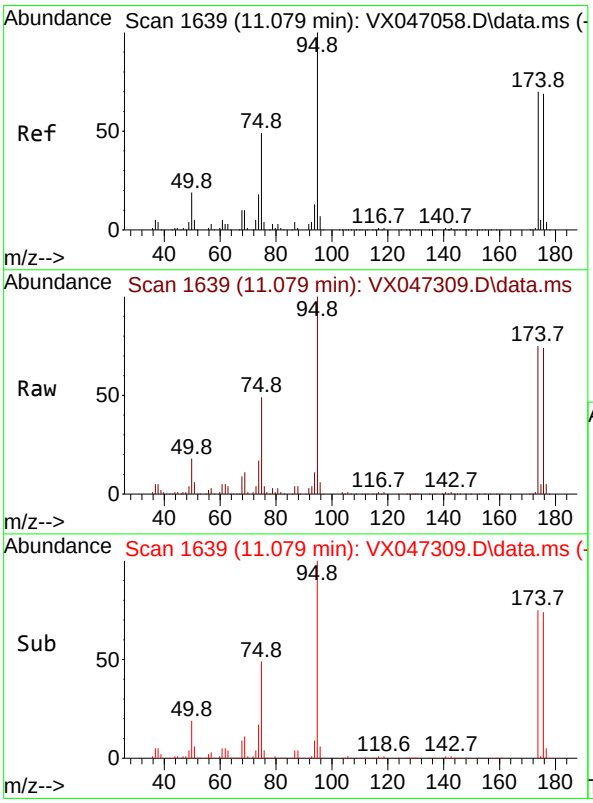
#61
1,2-Dibromoethane
Concen: 54.281 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 136881

Ion	Ratio	Lower	Upper
107	100		
109	95.0	74.6	112.0

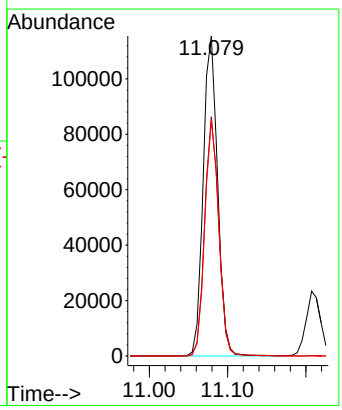


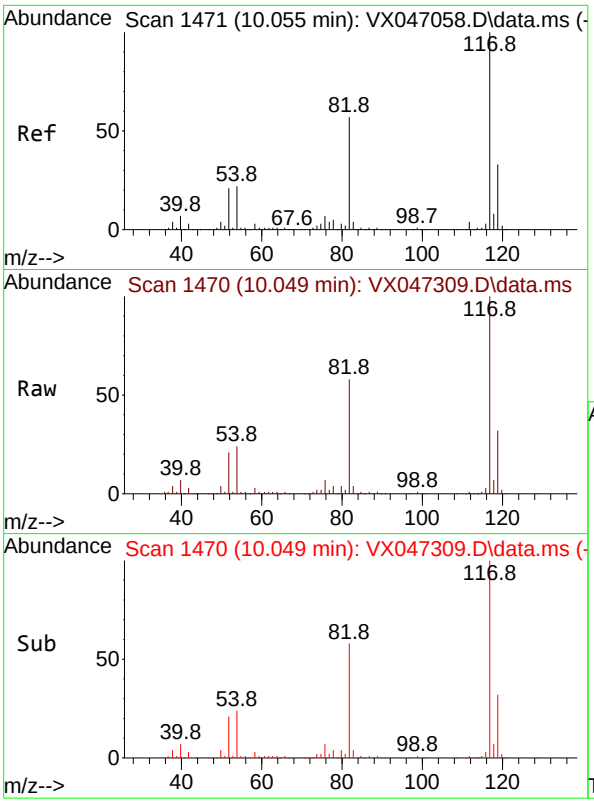


#62
4-Bromofluorobenzene
Concen: 49.666 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 95 Resp: 146951

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	144.6
176	71.8	0.0	139.6



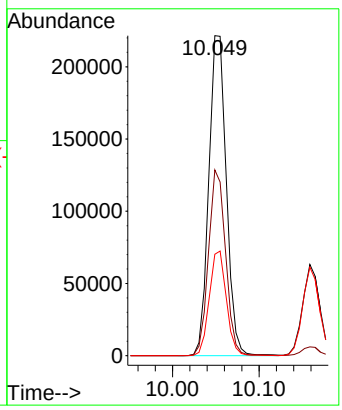


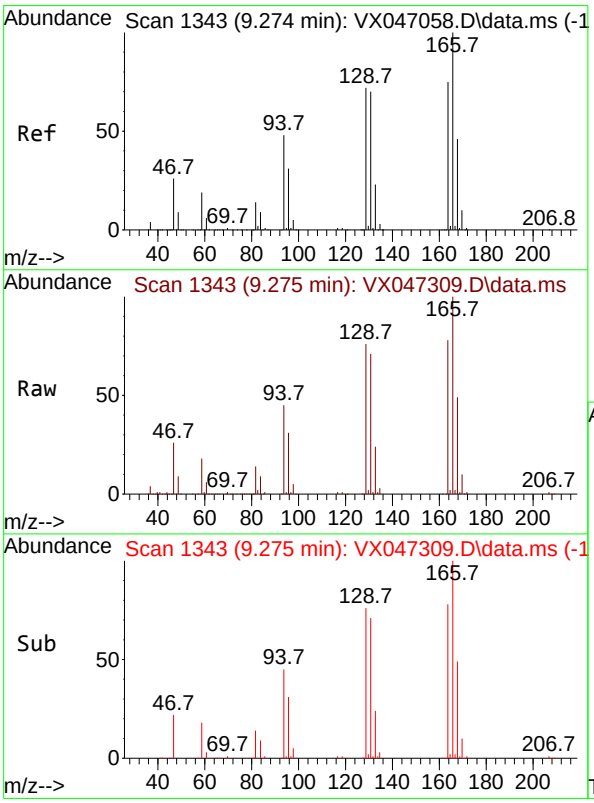
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 311895

Ion	Ratio	Lower	Upper
117	100		
82	58.0	45.4	68.2
119	31.7	26.1	39.1

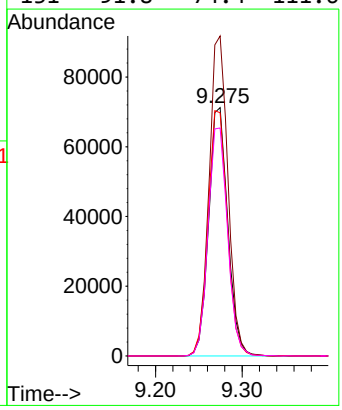


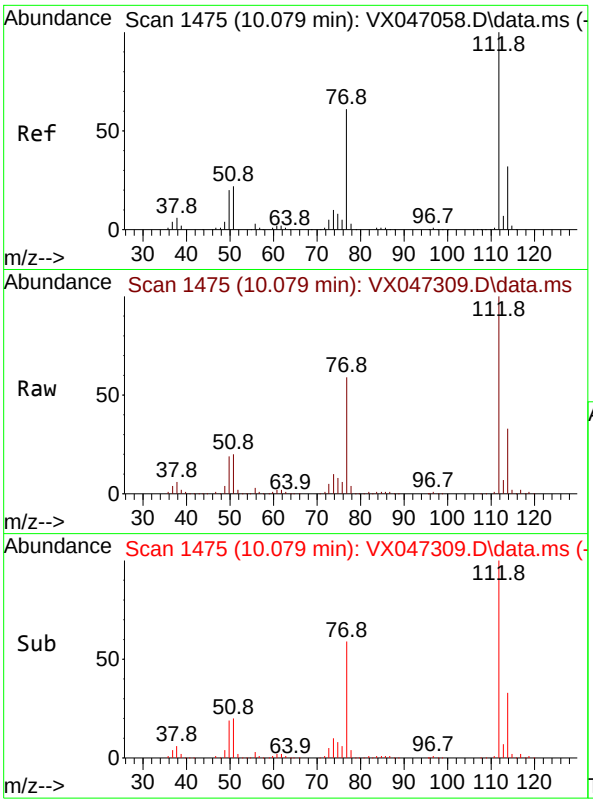


#64
Tetrachloroethene
Concen: 48.451 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:164 Resp: 108938

Ion	Ratio	Lower	Upper
164	100		
166	128.9	106.2	159.4
129	98.0	76.6	114.8
131	91.8	74.4	111.6



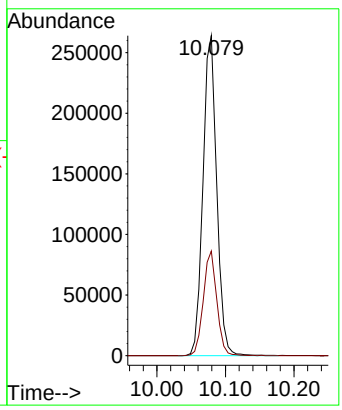


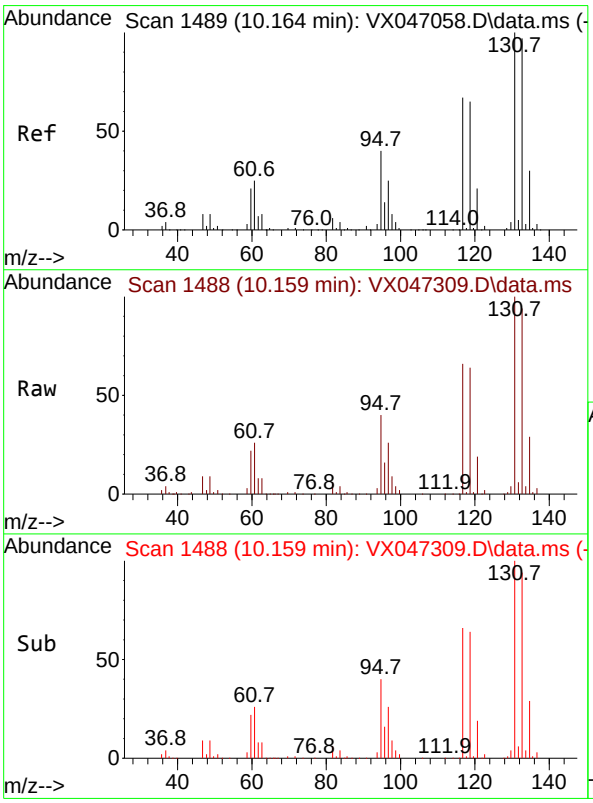
#65
Chlorobenzene
Concen: 50.536 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 369251

Ion	Ratio	Lower	Upper
112	100		
114	32.7	25.8	38.6

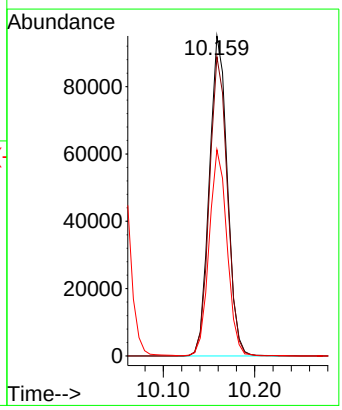


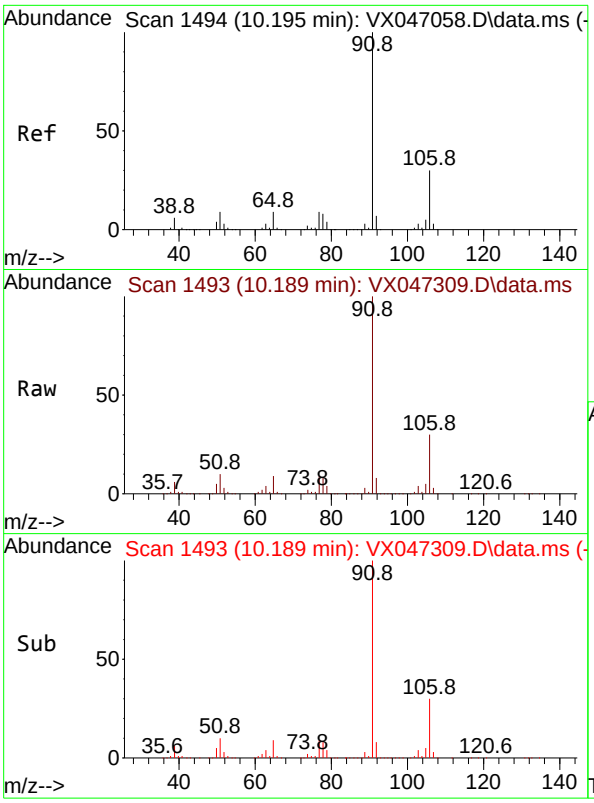


#66
1,1,1,2-Tetrachloroethane
Concen: 52.854 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:131 Resp: 130021

Ion	Ratio	Lower	Upper
131	100		
133	93.6	48.4	145.3
119	64.0	32.4	97.0



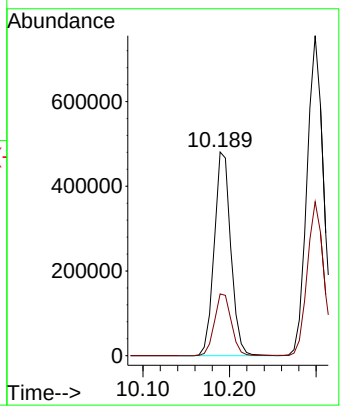


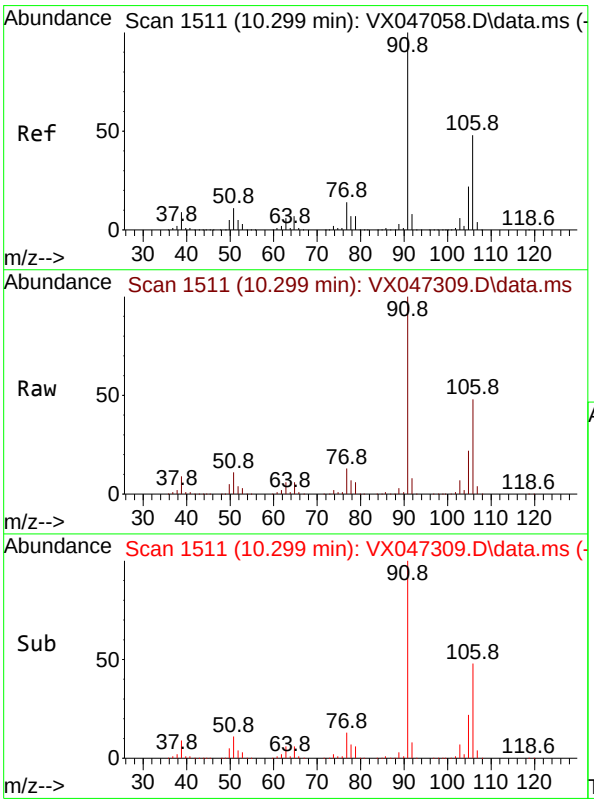
#67
Ethyl Benzene
Concen: 50.127 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 640387

Ion	Ratio	Lower	Upper
91	100		
106	30.3	24.2	36.4

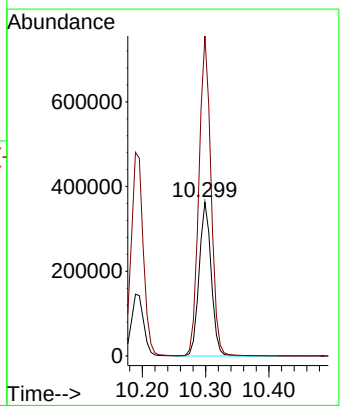


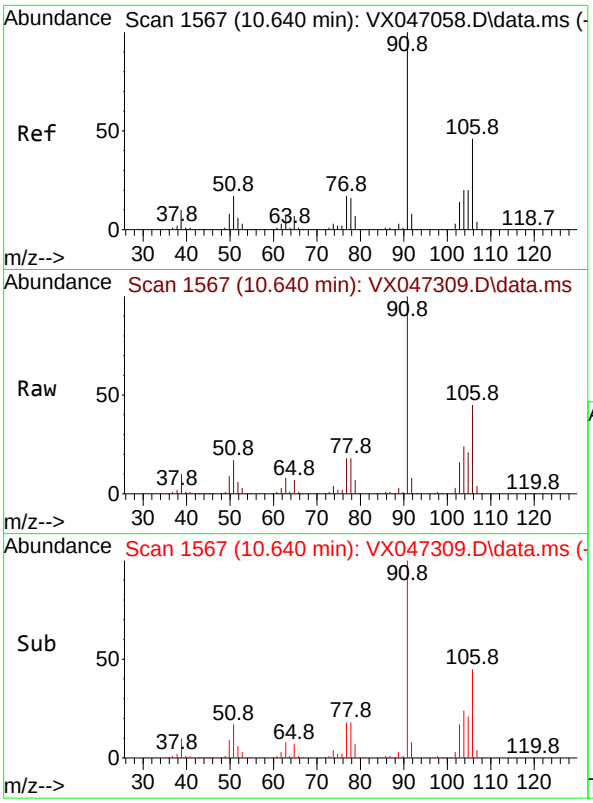


#68
m/p-Xylenes
Concen: 100.800 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:106 Resp: 481905

Ion	Ratio	Lower	Upper
106	100		
91	208.6	167.4	251.0



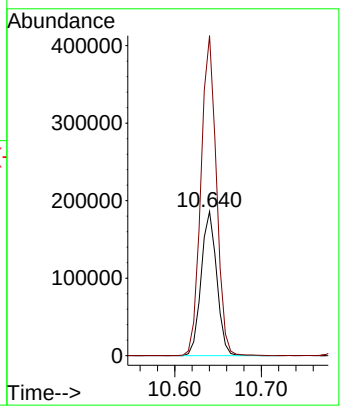


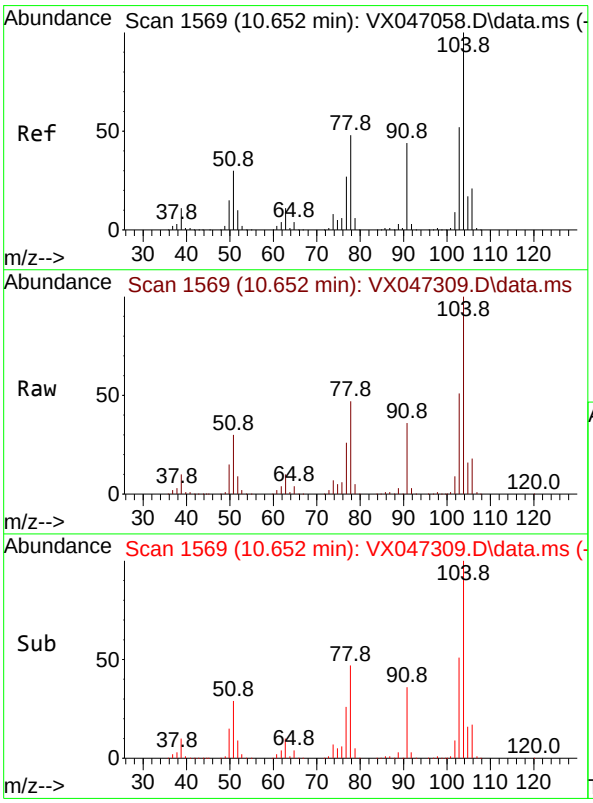
#69
o-Xylene
Concen: 51.121 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 232501

Ion	Ratio	Lower	Upper
106	100		
91	220.5	110.3	331.0

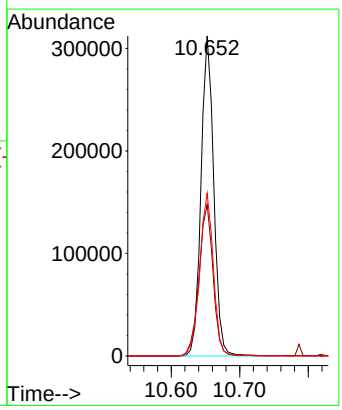


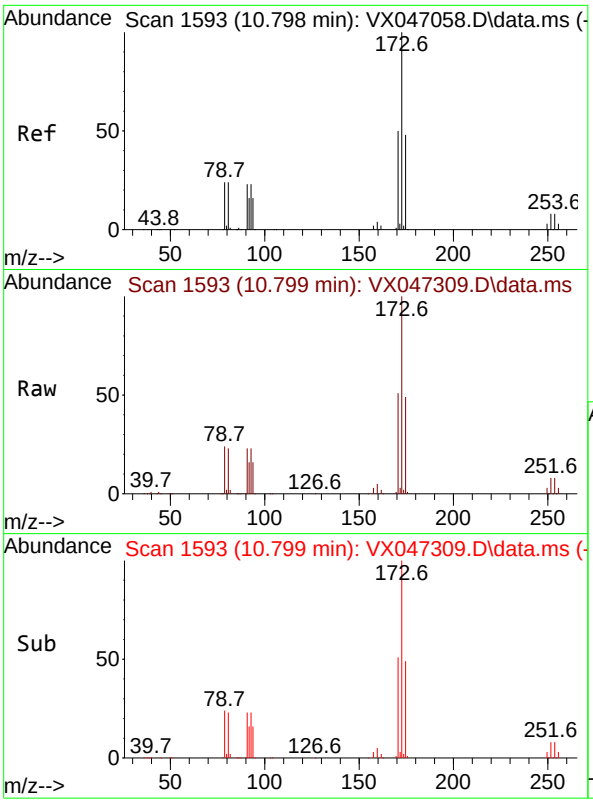


#70
Styrene
Concen: 51.852 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:104 Resp: 404384

Ion	Ratio	Lower	Upper
104	100		
78	52.4	42.0	63.0
103	54.7	43.8	65.6



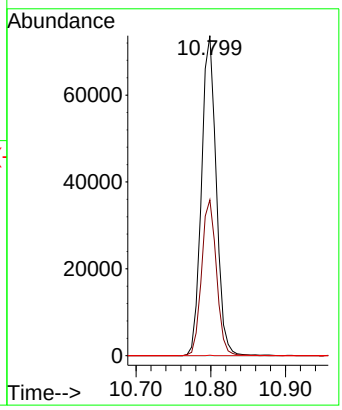


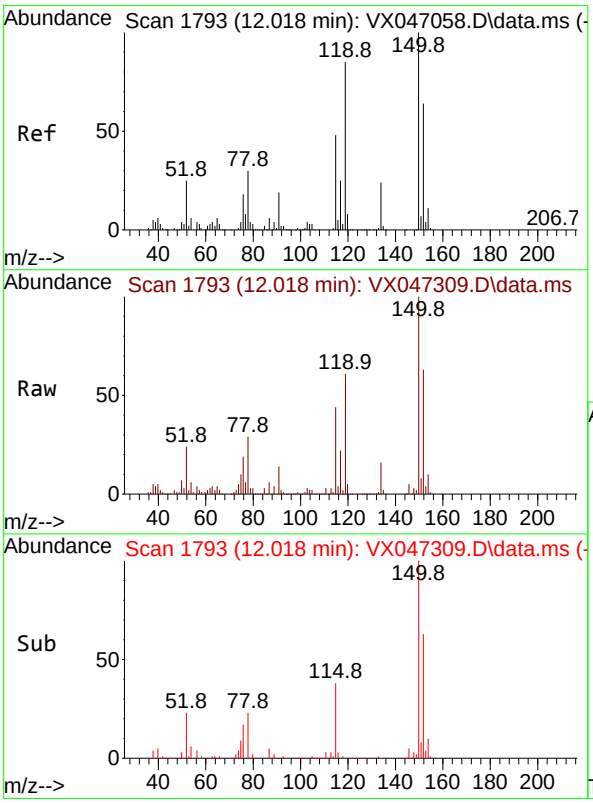
#71
Bromoform
Concen: 54.108 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 101111

Ion	Ratio	Lower	Upper
173	100		
175	49.0	24.2	72.6
254	0.0	0.1	0.1#

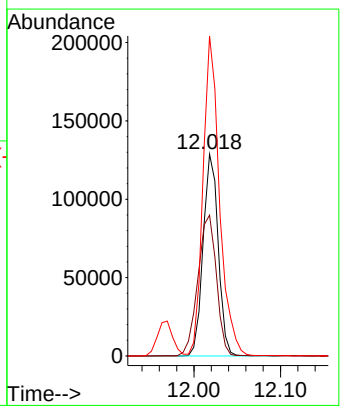


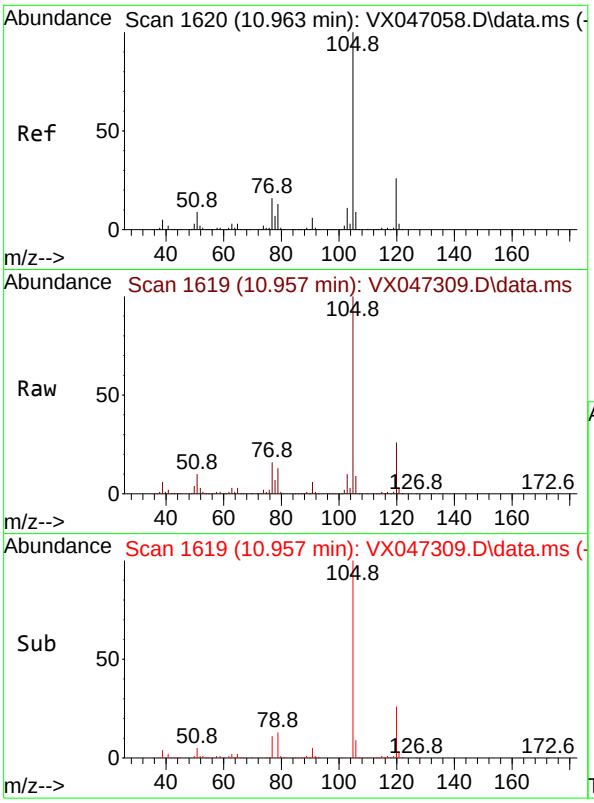


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:152 Resp: 156059

Ion	Ratio	Lower	Upper
152	100		
115	85.9	45.6	136.7
150	173.3	0.0	354.6



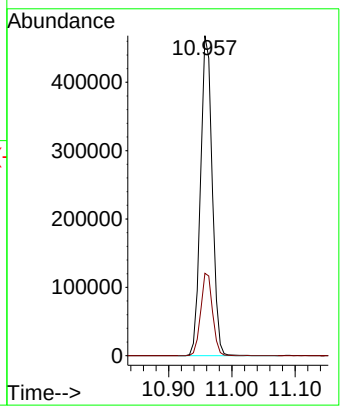


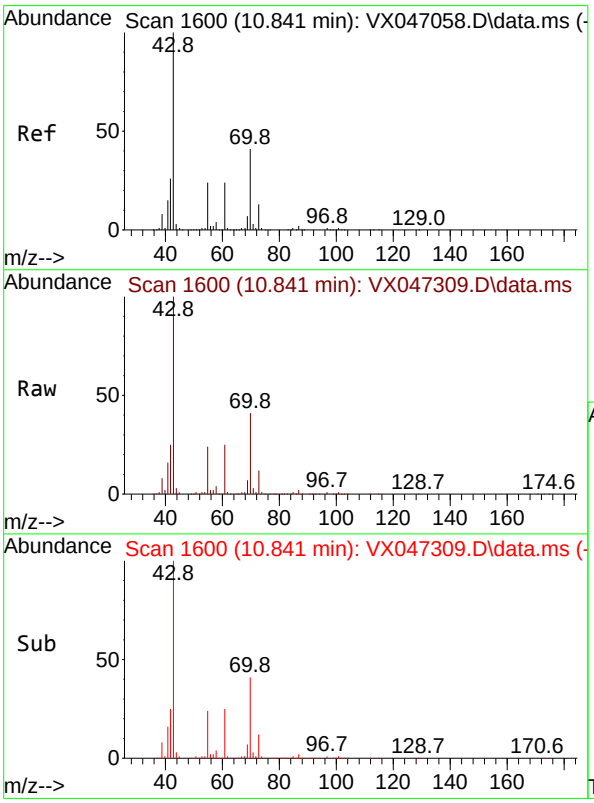
#73
Isopropylbenzene
Concen: 48.889 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 601920

Ion	Ratio	Lower	Upper
105	100		
120	26.0	12.9	38.7

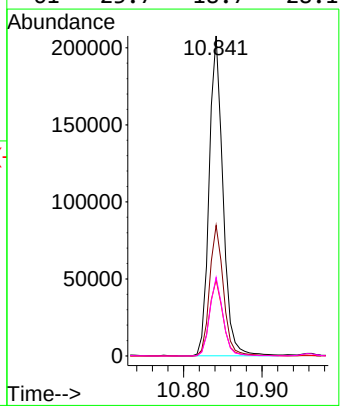


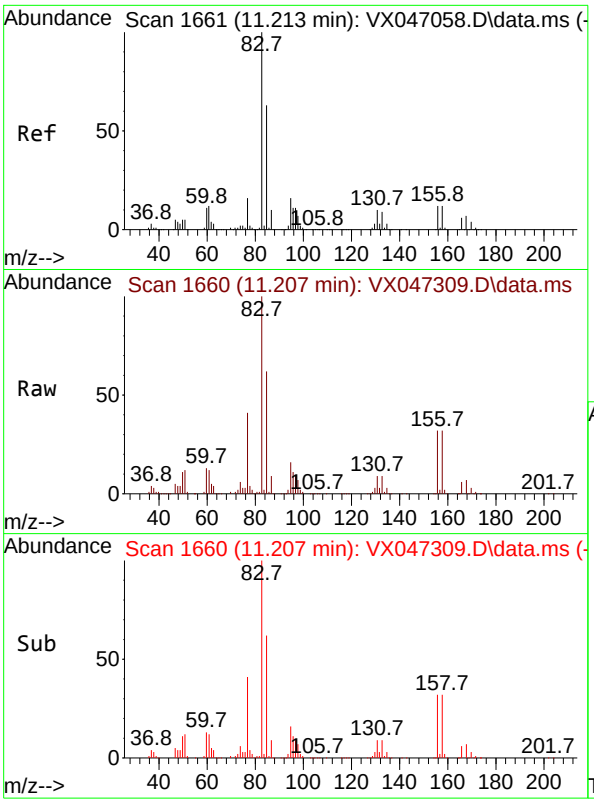


#74
N-amyl acetate
Concen: 51.043 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 43 Resp: 253569

Ion	Ratio	Lower	Upper
43	100		
70	41.0	32.3	48.5
55	23.9	18.9	28.3
61	23.7	18.7	28.1



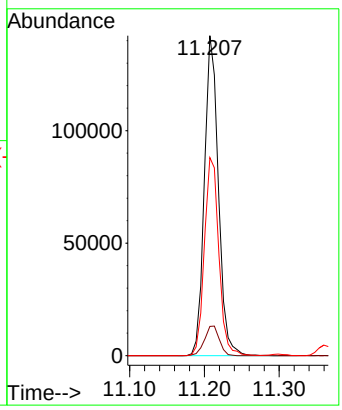


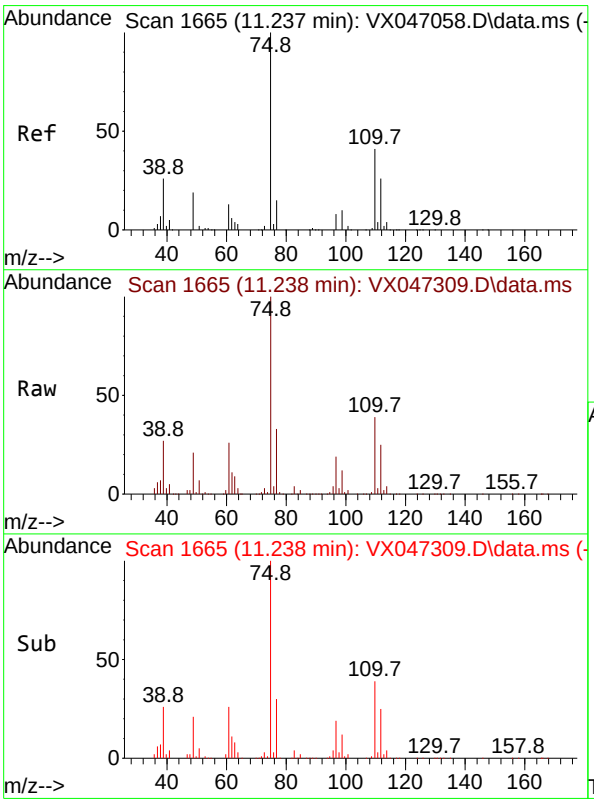
#75
1,1,2,2-Tetrachloroethane
Concen: 52.547 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 184802

Ion	Ratio	Lower	Upper
83	100		
131	9.9	5.0	14.9
85	63.8	32.0	96.2

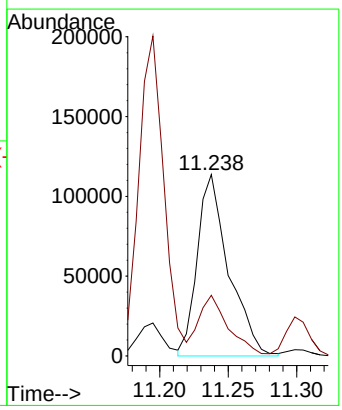


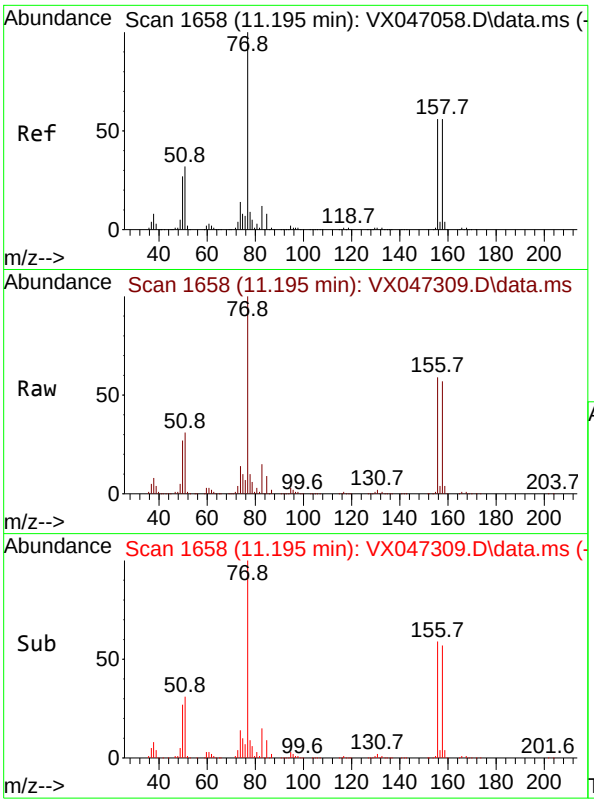


#76
1,2,3-Trichloropropane
Concen: 62.874 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 75 Resp: 181616

Ion	Ratio	Lower	Upper
75	100		
77	31.8	21.6	65.0



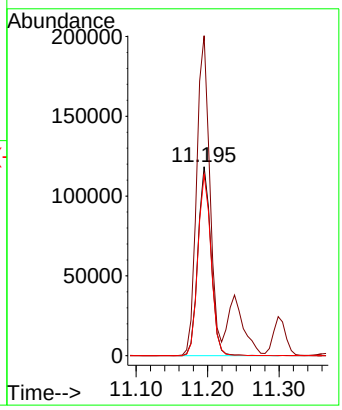


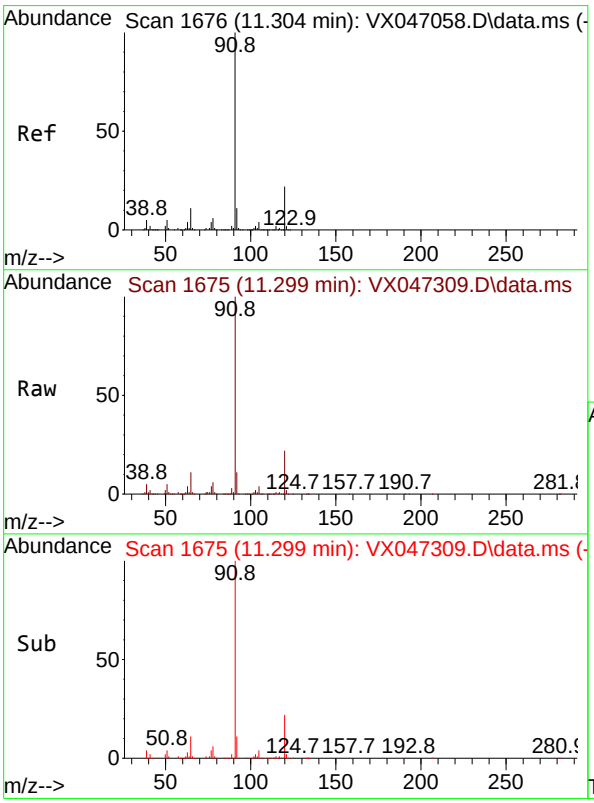
#77
Bromobenzene
Concen: 50.657 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 149595

Ion	Ratio	Lower	Upper
156	100		
77	171.6	87.3	261.9
158	96.9	48.9	146.6

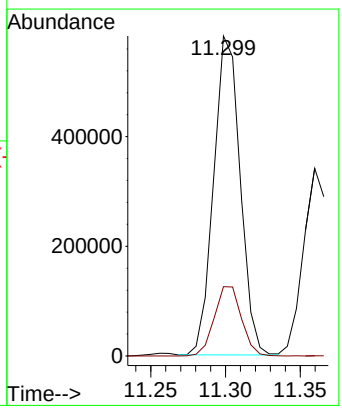


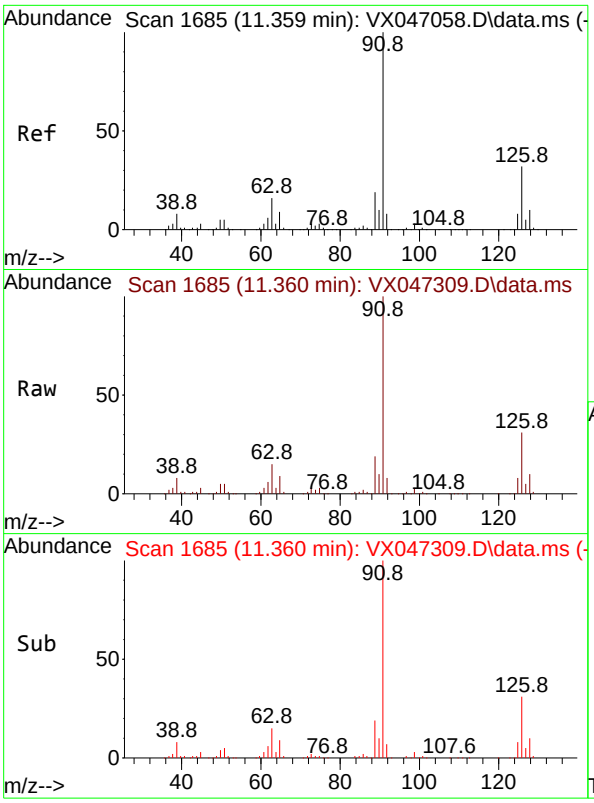


#78
n-propylbenzene
Concen: 48.787 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 91 Resp: 717788

Ion	Ratio	Lower	Upper
91	100		
120	22.4	11.0	33.0



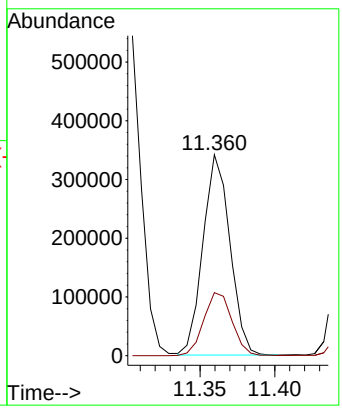


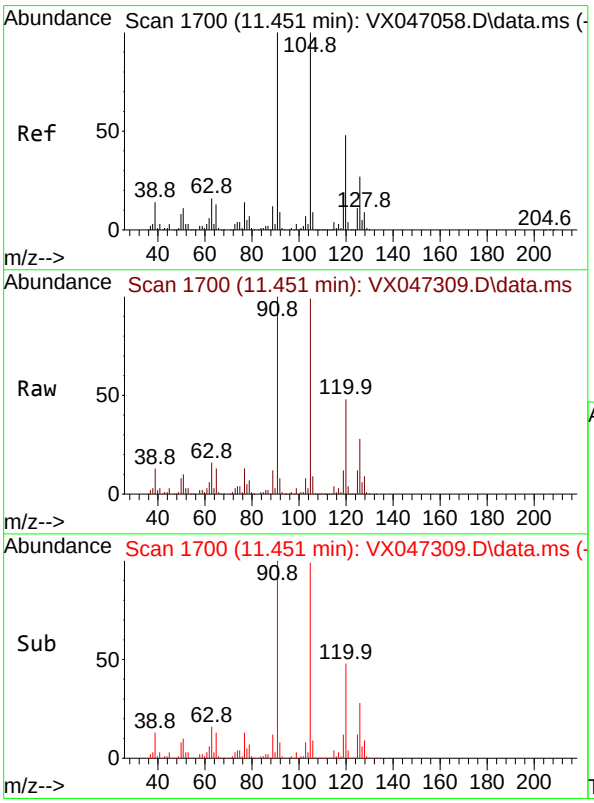
#79
2-Chlorotoluene
Concen: 48.791 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 429105

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

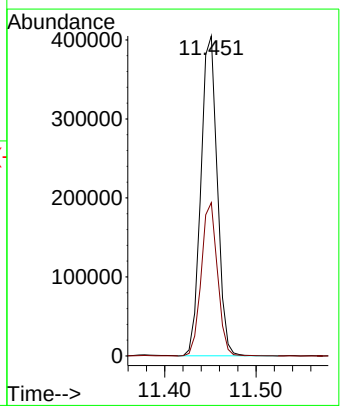


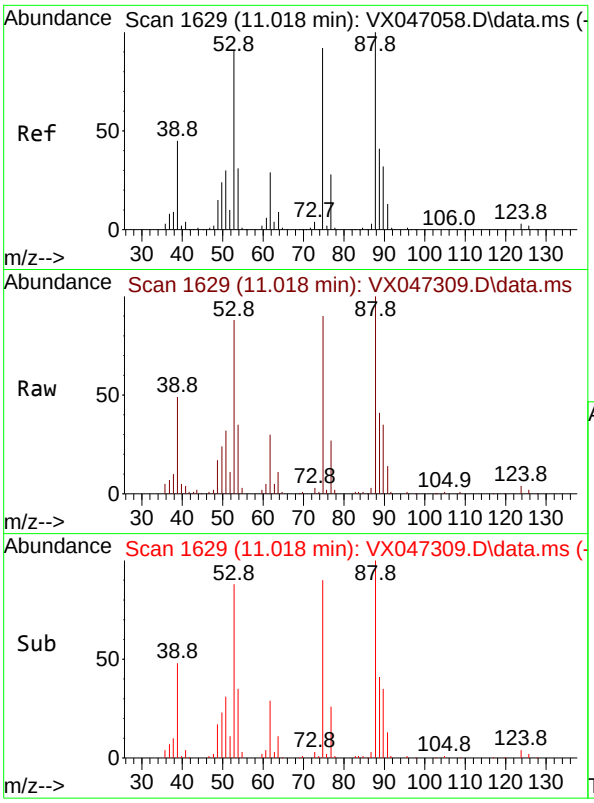


#80
1,3,5-Trimethylbenzene
Concen: 49.416 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:105 Resp: 502646

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5



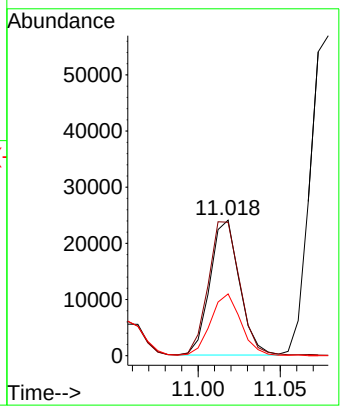


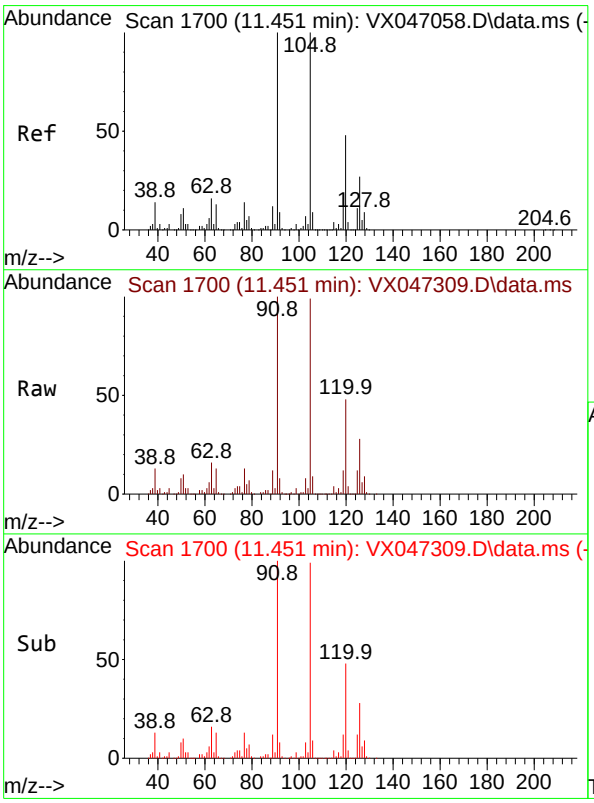
#81
trans-1,4-Dichloro-2-butene
Concen: 26.822 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 30072

Ion	Ratio	Lower	Upper
75	100		
53	106.8	84.2	126.4
89	47.2	36.0	54.0

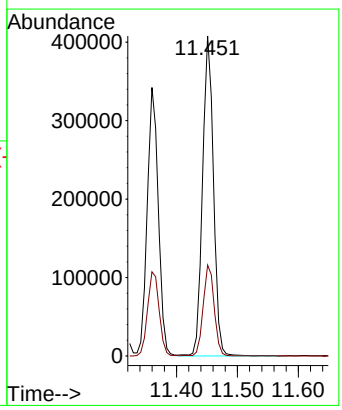


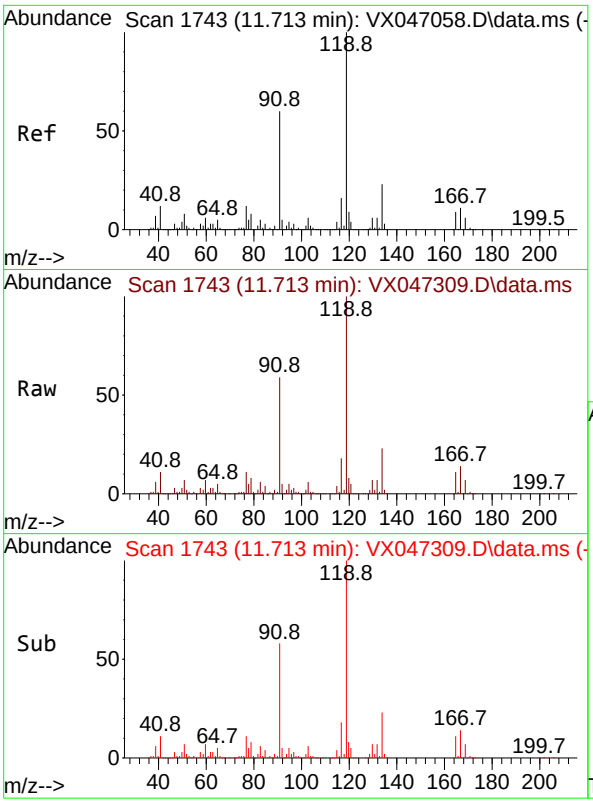


#82
4-Chlorotoluene
Concen: 49.625 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 91 Resp: 509422

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.1	42.3



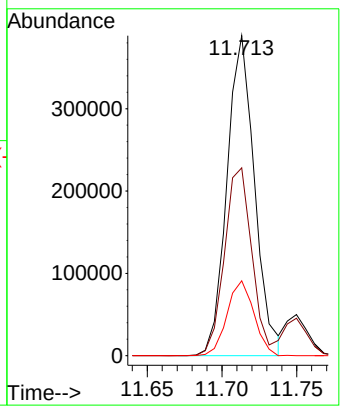


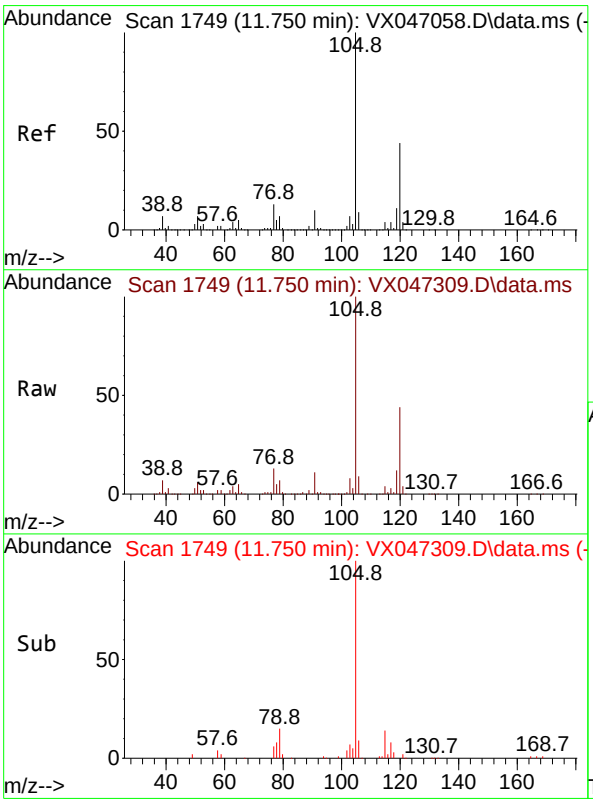
#83
tert-Butylbenzene
Concen: 48.901 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 499240

Ion	Ratio	Lower	Upper
119	100		
91	58.0	29.6	88.8
134	22.8	11.4	34.1

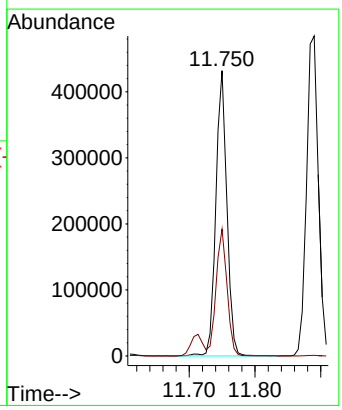


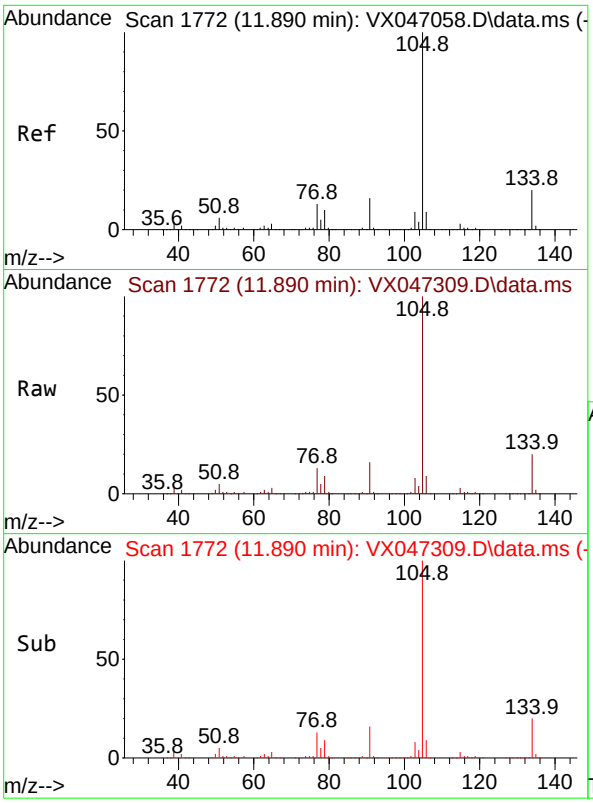


#84
1,2,4-Trimethylbenzene
Concen: 49.654 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:105 Resp: 503767

Ion	Ratio	Lower	Upper
105	100		
120	44.2	22.0	66.0



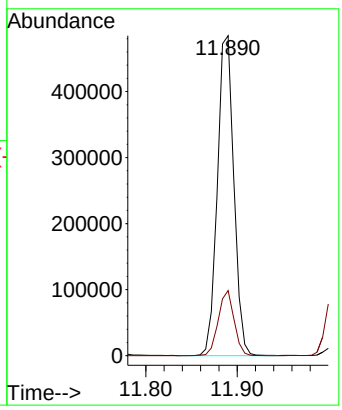


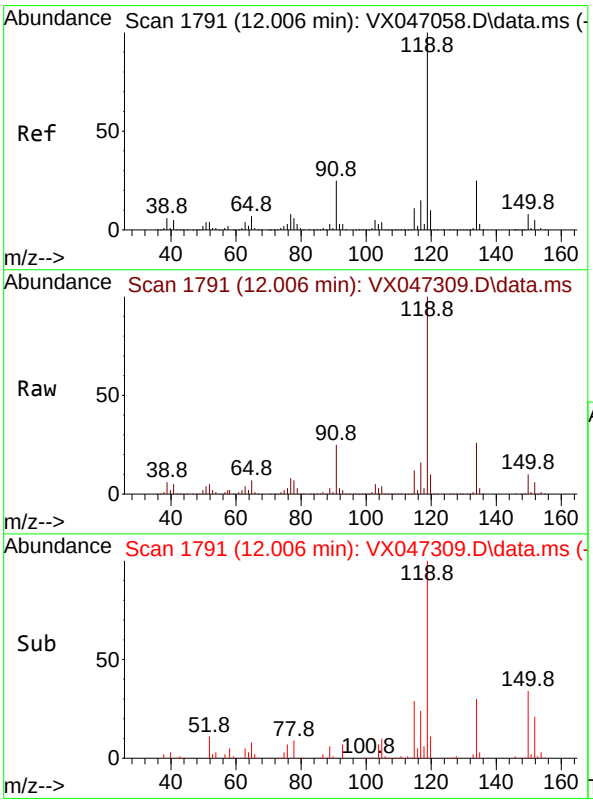
#85
sec-Butylbenzene
Concen: 47.627 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 607529

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7

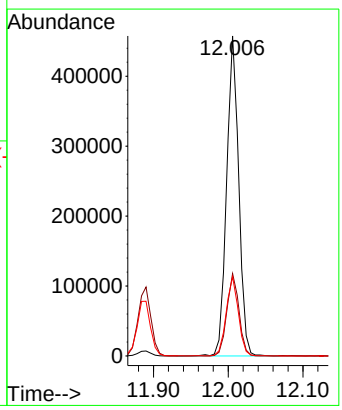


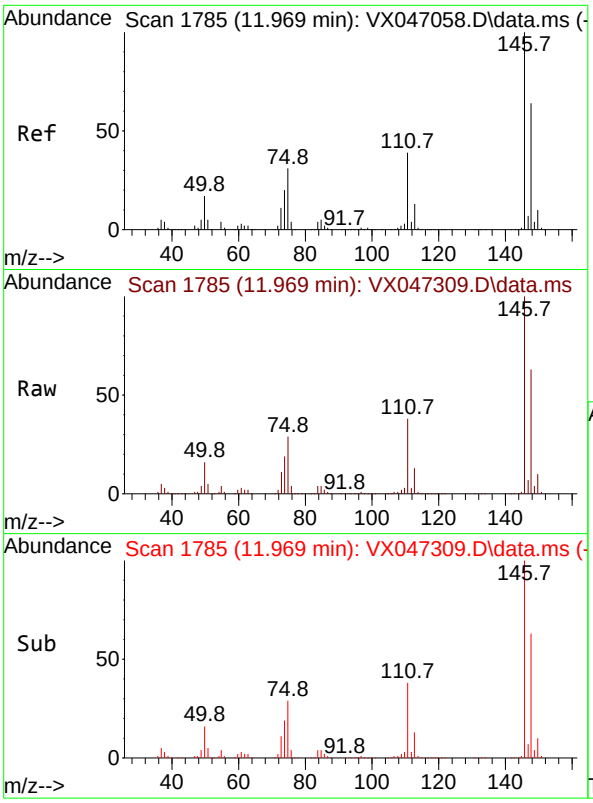


#86
p-Isopropyltoluene
Concen: 48.530 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:119 Resp: 513359

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	24.8	12.4	37.4



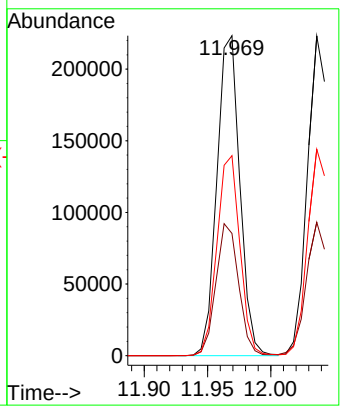


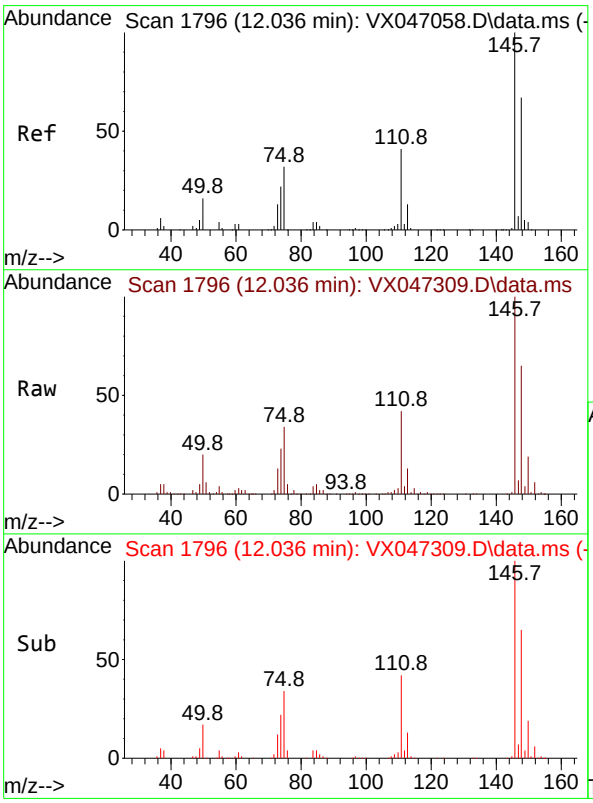
#87
1,3-Dichlorobenzene
Concen: 50.187 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 281606

Ion	Ratio	Lower	Upper
146	100		
111	40.9	21.0	63.0
148	62.7	32.0	96.0

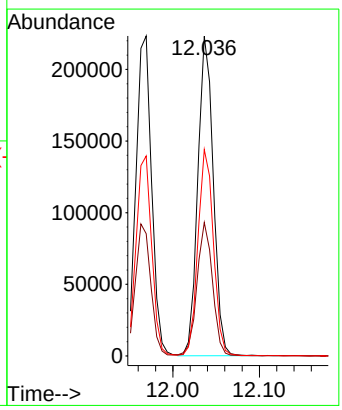


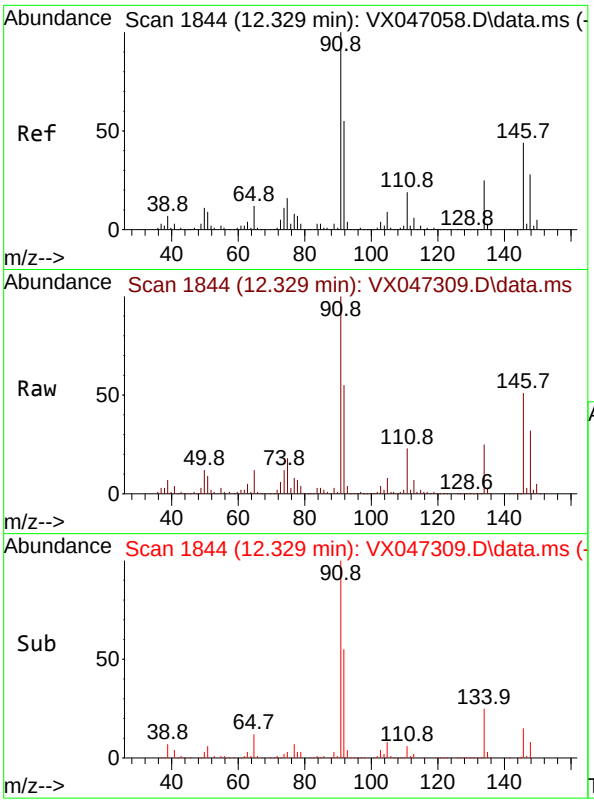


#88
1,4-Dichlorobenzene
Concen: 48.680 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:146 Resp: 276736

Ion	Ratio	Lower	Upper
146	100		
111	41.9	20.6	61.9
148	65.0	33.0	98.9



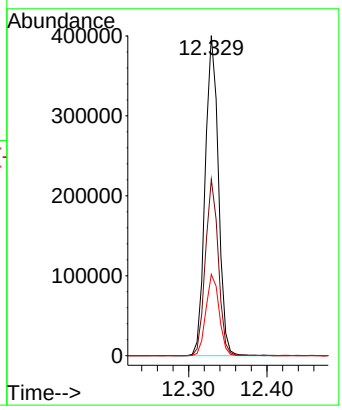


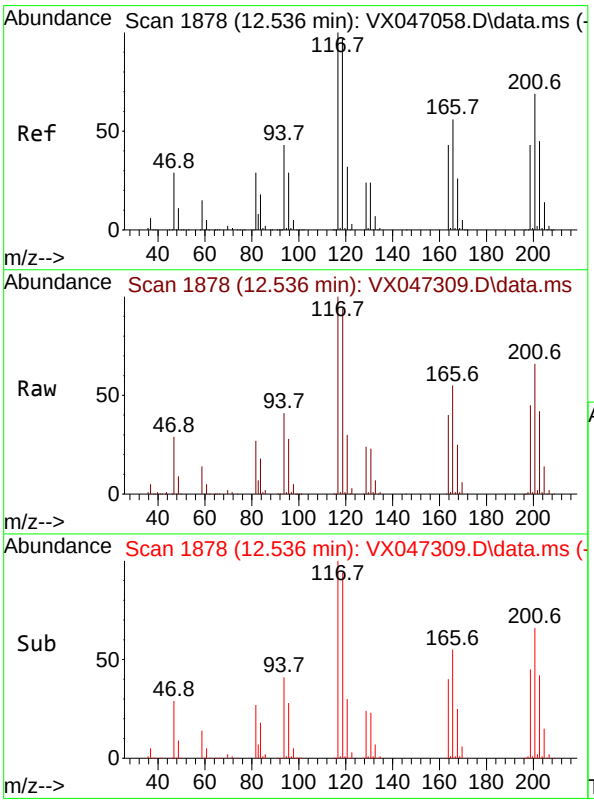
#89
n-Butylbenzene
Concen: 47.162 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 467854

Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.5	82.5
134	25.4	12.8	38.3

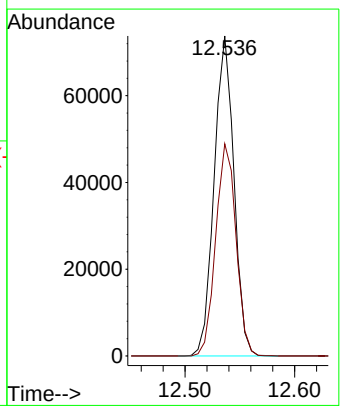


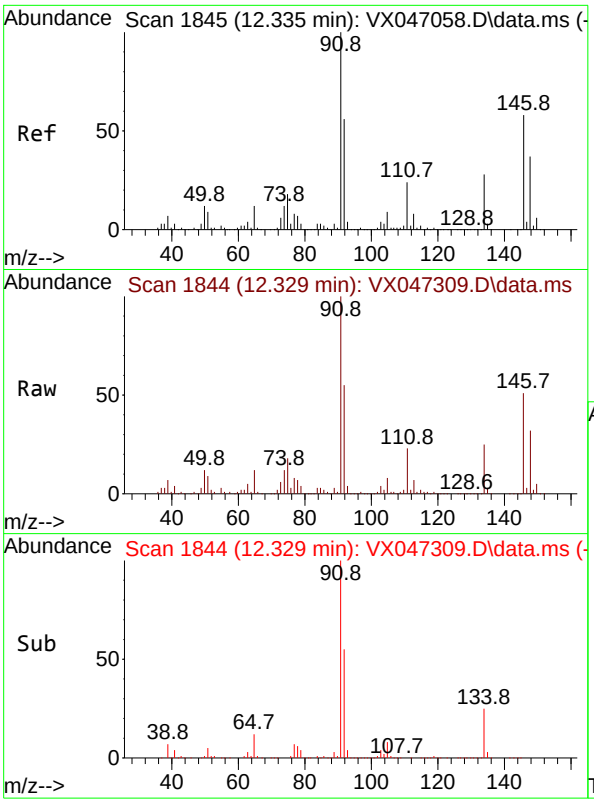


#90
Hexachloroethane
Concen: 48.954 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:117 Resp: 92640

Ion	Ratio	Lower	Upper
117	100		
201	68.1	34.8	104.5



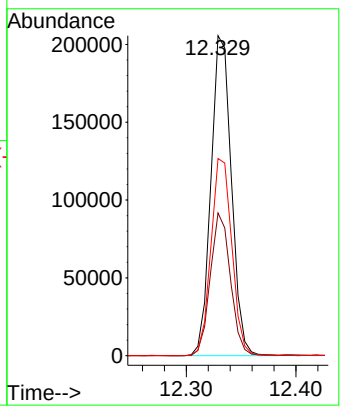


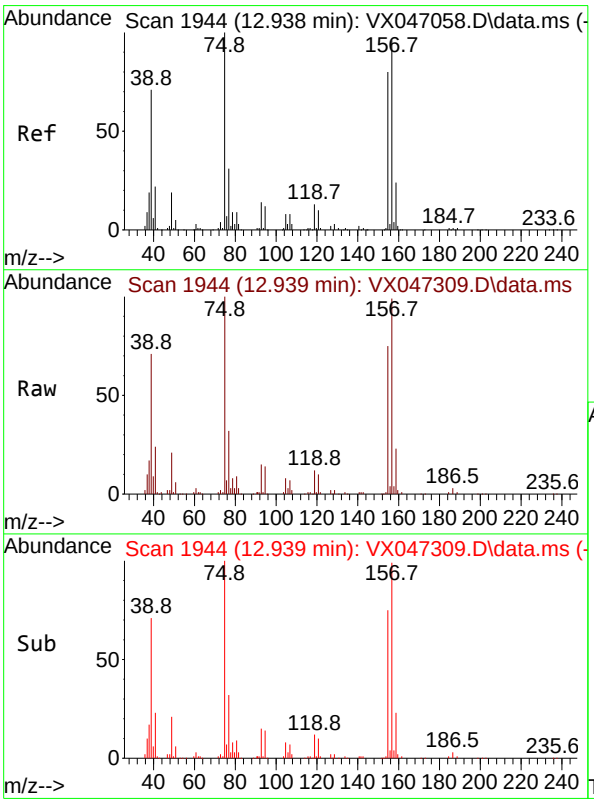
#91
1,2-Dichlorobenzene
Concen: 49.711 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 266592

Ion	Ratio	Lower	Upper
146	100		
111	43.9	21.6	64.6
148	63.2	31.9	95.7

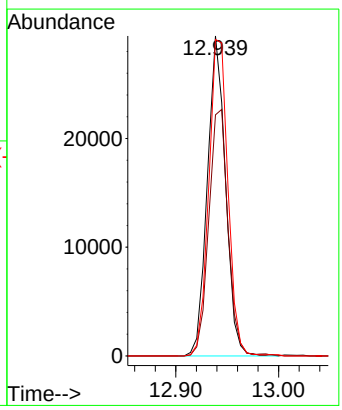


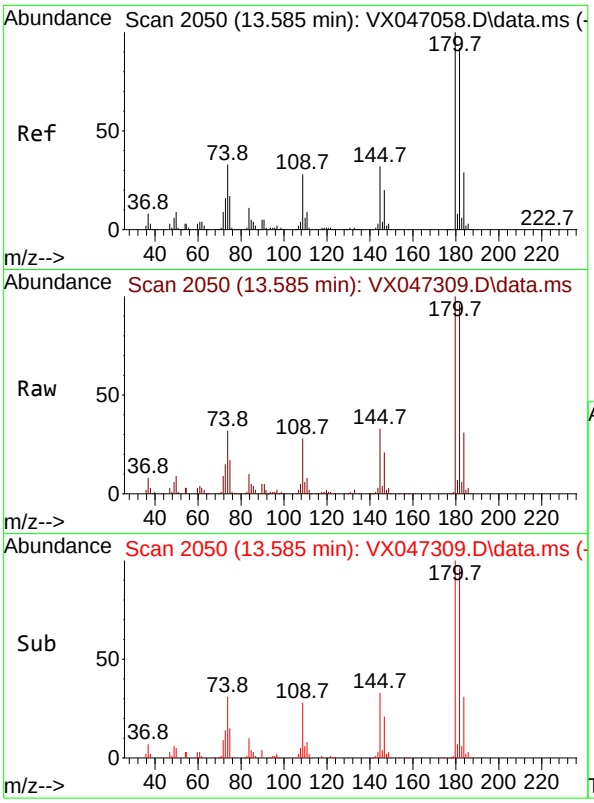


#92
1,2-Dibromo-3-Chloropropane
Concen: 53.598 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion: 75 Resp: 36183

Ion	Ratio	Lower	Upper
75	100		
155	81.4	41.3	124.1
157	104.4	52.8	158.3



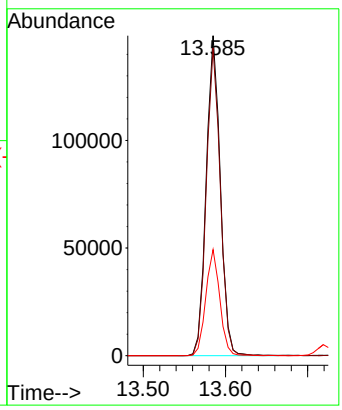


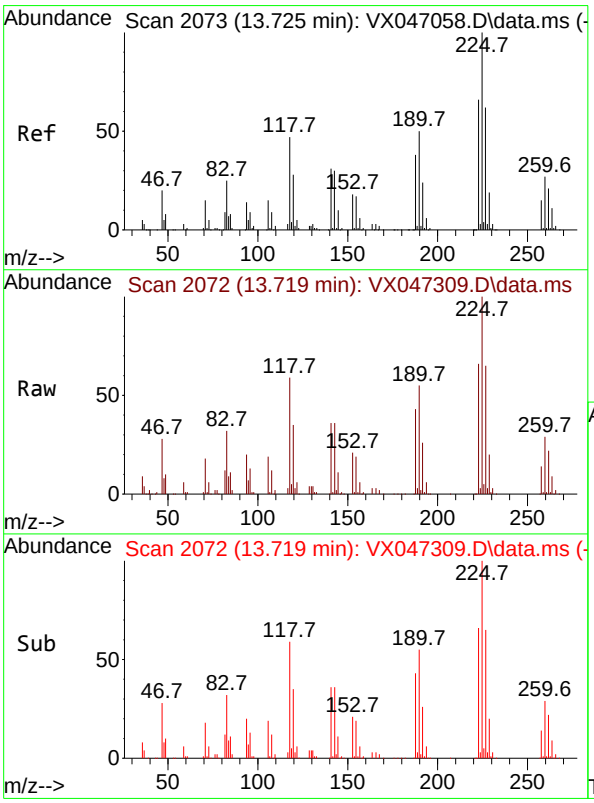
#93
1,2,4-Trichlorobenzene
Concen: 49.902 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 176813

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.8
145	32.9	16.4	49.1

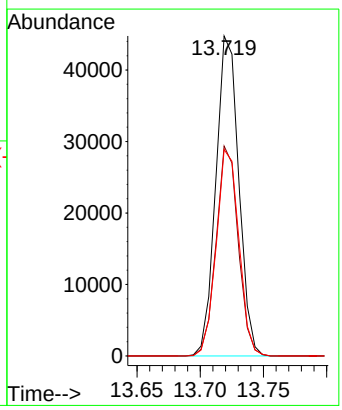


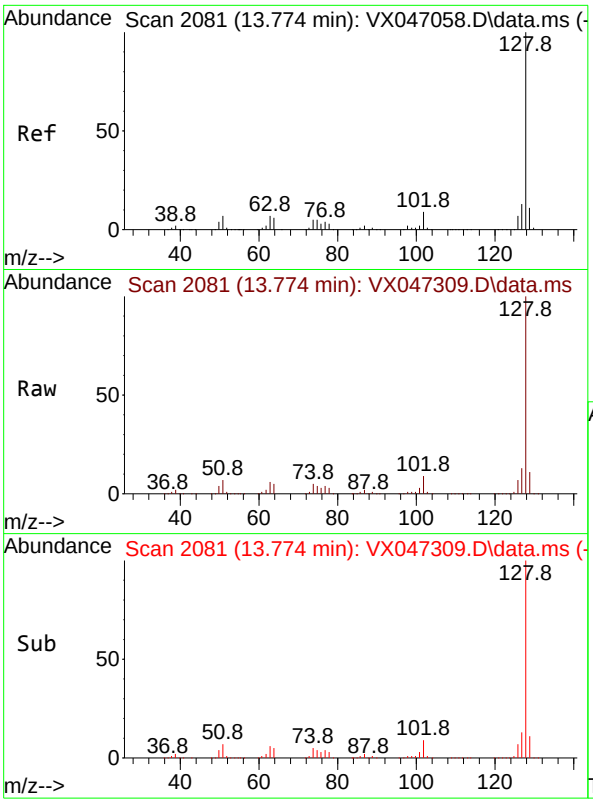


#94
Hexachlorobutadiene
Concen: 46.711 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:225 Resp: 56288

Ion	Ratio	Lower	Upper
225	100		
223	63.4	31.6	95.0
227	63.8	32.9	98.6



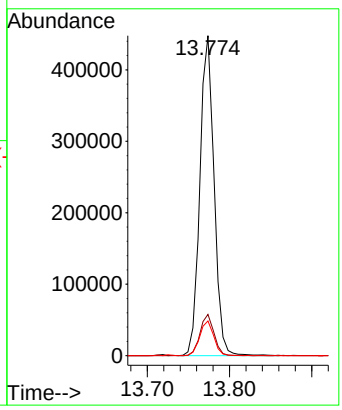


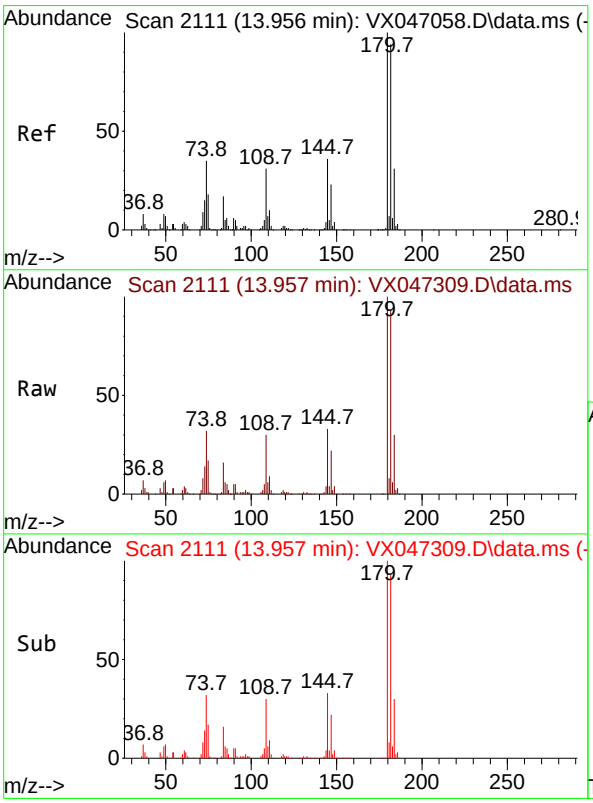
#95
Naphthalene
Concen: 51.782 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 537872

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.1	15.1
129	10.8	8.6	13.0

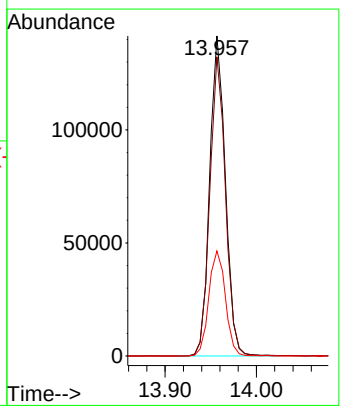




#96
1,2,3-Trichlorobenzene
Concen: 49.440 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047309.D
Acq: 13 Aug 2025 09:44

Tgt Ion:180 Resp: 168763

Ion	Ratio	Lower	Upper
180	100		
182	93.7	46.9	140.6
145	34.7	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047312.D
Acq On : 13 Aug 2025 11:24
Operator : JC/MD
Sample : VX0813WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Quant Time: Aug 14 03:25:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	201153	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	351465	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321390	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	166290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	137106	54.717	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.440%			
35) Dibromofluoromethane	5.397	113	120946	55.734	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 111.460%			
50) Toluene-d8	8.653	98	340158	48.402	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.800%			
62) 4-Bromofluorobenzene	11.079	95	164675	54.374	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.740%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	50552	18.920	ug/l	99
3) Chloromethane	1.313	50	50910	19.263	ug/l	99
4) Vinyl Chloride	1.392	62	58156	20.470	ug/l	99
5) Bromomethane	1.630	94	29650	19.212	ug/l	96
6) Chloroethane	1.709	64	35844	19.210	ug/l	97
7) Trichlorofluoromethane	1.904	101	82128	19.387	ug/l	99
8) Diethyl Ether	2.148	74	32810	21.966	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.349	101	47828	18.739	ug/l	98
10) Methyl Iodide	2.471	142	77812	29.914	ug/l	98
11) Tert butyl alcohol	2.965	59	29334	93.714	ug/l	99
12) 1,1-Dichloroethene	2.337	96	50671	20.045	ug/l	95
13) Acrolein	2.252	56	75081	139.160	ug/l	99
14) Allyl chloride	2.678	41	90565	19.819	ug/l	99
15) Acrylonitrile	3.081	53	134855	112.844	ug/l	100
16) Acetone	2.392	43	109769	109.353	ug/l	99
17) Carbon Disulfide	2.532	76	138145	18.890	ug/l	99
18) Methyl Acetate	2.721	43	67472	25.293	ug/l	98
19) Methyl tert-butyl Ether	3.130	73	170912	22.215	ug/l	99
20) Methylene Chloride	2.806	84	60670	21.969	ug/l	96
21) trans-1,2-Dichloroethene	3.111	96	53110	20.531	ug/l	93
22) Diisopropyl ether	3.776	45	189542	21.575	ug/l	93
23) Vinyl Acetate	3.733	43	777071	110.278	ug/l	100
24) 1,1-Dichloroethane	3.630	63	103292	21.143	ug/l	98
25) 2-Butanone	4.574	43	155750	106.560	ug/l	93
26) 2,2-Dichloropropane	4.495	77	73431	19.417	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	64021	20.900	ug/l	99
28) Bromochloromethane	4.910	49	53405	23.761	ug/l	99
29) Tetrahydrofuran	5.026	42	97737	103.638	ug/l	96
30) Chloroform	5.105	83	106952	21.507	ug/l	98
31) Cyclohexane	5.489	56	83355	17.795	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	87950	20.362	ug/l	99
36) 1,1-Dichloropropene	5.708	75	68123	18.416	ug/l	97
37) Ethyl Acetate	4.727	43	79295	23.264	ug/l	97
38) Carbon Tetrachloride	5.690	117	75937	19.234	ug/l	97
39) Methylcyclohexane	7.385	83	77955	16.879	ug/l	95
40) Benzene	6.050	78	221589	20.699	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047312.D
Acq On : 13 Aug 2025 11:24
Operator : JC/MD
Sample : VX0813WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Quant Time: Aug 14 03:25:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	36004	20.202	ug/l	#	90
42) 1,2-Dichloroethane	6.099	62	83097	22.036	ug/l		99
43) Isopropyl Acetate	6.349	43	115740	21.781	ug/l		99
44) Trichloroethene	7.129	130	53800	19.598	ug/l		99
45) 1,2-Dichloropropane	7.434	63	55625	20.747	ug/l		93
46) Dibromomethane	7.586	93	41993	22.334	ug/l		99
47) Bromodichloromethane	7.824	83	84762	21.180	ug/l		96
48) Methyl methacrylate	7.702	41	59981	20.720	ug/l		99
49) 1,4-Dioxane	7.684	88	12726	386.524	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	356346	112.824	ug/l		99
52) Toluene	8.720	92	135372	20.566	ug/l		100
53) t-1,3-Dichloropropene	8.982	75	74453	19.701	ug/l		94
54) cis-1,3-Dichloropropene	8.373	75	84401	20.406	ug/l		97
55) 1,1,2-Trichloroethane	9.153	97	54901	22.240	ug/l		97
56) Ethyl methacrylate	9.122	69	80865	22.128	ug/l		98
57) 1,3-Dichloropropane	9.311	76	93007	21.679	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.245	63	199555	98.129	ug/l		100
59) 2-Hexanone	9.433	43	247091	118.411	ug/l		99
60) Dibromochloromethane	9.519	129	63101	21.795	ug/l		100
61) 1,2-Dibromoethane	9.610	107	56802	22.006	ug/l		99
64) Tetrachloroethene	9.275	164	44694	19.291	ug/l		94
65) Chlorobenzene	10.080	112	151282	20.093	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	52881	20.861	ug/l		98
67) Ethyl Benzene	10.195	91	258375	19.627	ug/l		99
68) m/p-Xylenes	10.299	106	198849	40.364	ug/l		98
69) o-Xylene	10.640	106	94390	20.141	ug/l		98
70) Styrene	10.653	104	166666	20.739	ug/l		99
71) Bromoform	10.799	173	40688	21.130	ug/l	#	98
73) Isopropylbenzene	10.964	105	247425	18.860	ug/l		99
74) N-amyl acetate	10.842	43	101822	19.236	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	79675	21.261	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	76185	24.752	ug/l		83
77) Bromobenzene	11.195	156	63857	20.293	ug/l		96
78) n-propylbenzene	11.305	91	294861	18.808	ug/l		100
79) 2-Chlorotoluene	11.360	91	182451	19.469	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	207773	19.170	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	10307	8.627	ug/l		96
82) 4-Chlorotoluene	11.451	91	215901	19.738	ug/l		99
83) tert-Butylbenzene	11.713	119	202063	18.575	ug/l		100
84) 1,2,4-Trimethylbenzene	11.750	105	207952	19.236	ug/l		99
85) sec-Butylbenzene	11.890	105	246647	18.146	ug/l		99
86) p-Isopropyltoluene	12.006	119	209624	18.597	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	119434	19.976	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	120773	19.938	ug/l		98
89) n-Butylbenzene	12.329	91	188398	17.823	ug/l		98
90) Hexachloroethane	12.536	117	35864	17.786	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	113345	19.835	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	15204	21.136	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	73212	19.391	ug/l		98
94) Hexachlorobutadiene	13.719	225	21890	17.048	ug/l		97
95) Naphthalene	13.774	128	221152	19.981	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	67706	18.614	ug/l		97

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047312.D
Acq On : 13 Aug 2025 11:24
Operator : JC/MD
Sample : VX0813WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Quant Time: Aug 14 03:25:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

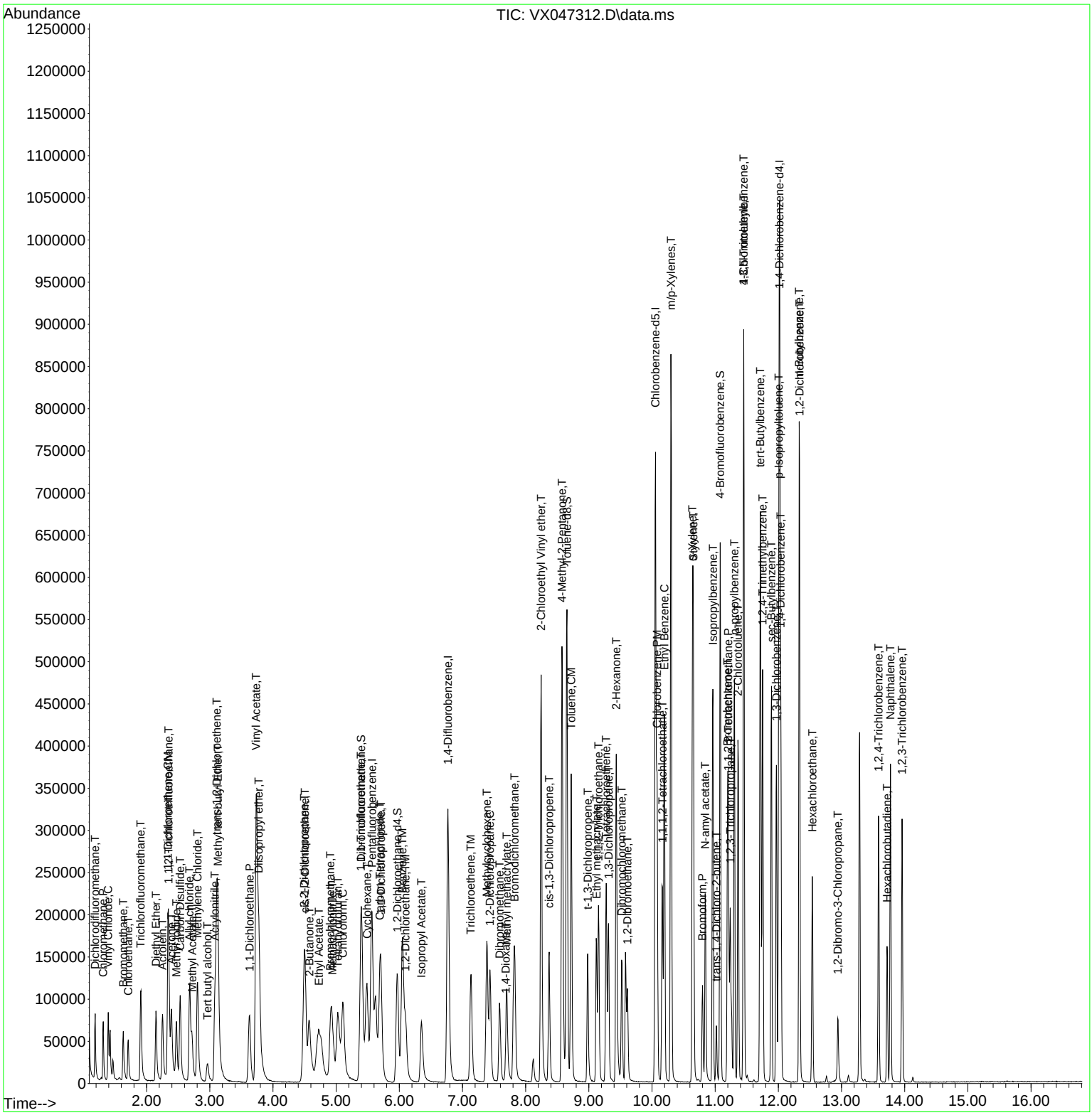
(#) = qualifier out of range (m) = manual integration (+) = signals summed

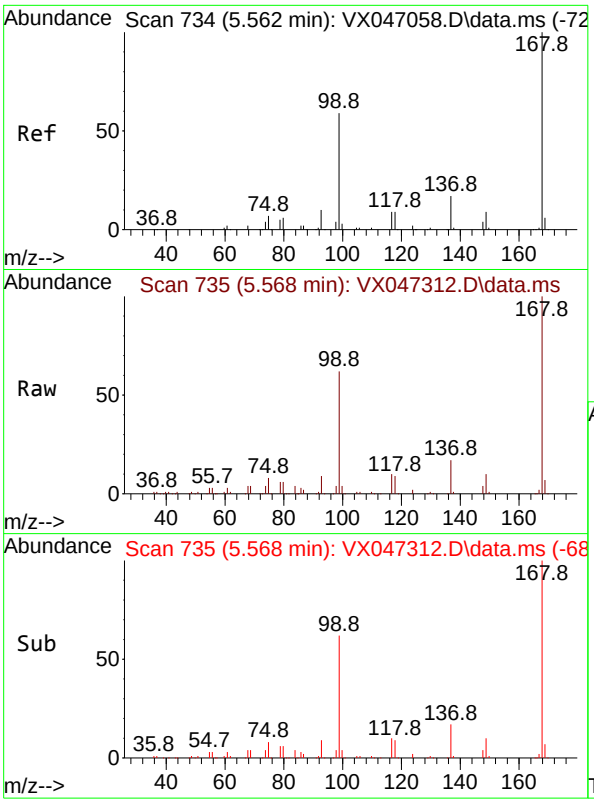
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047312.D
Acq On : 13 Aug 2025 11:24
Operator : JC/MD
Sample : VX0813WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Quant Time: Aug 14 03:25:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



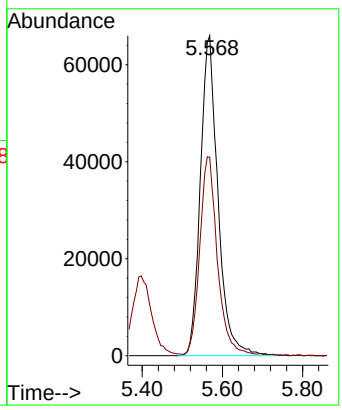


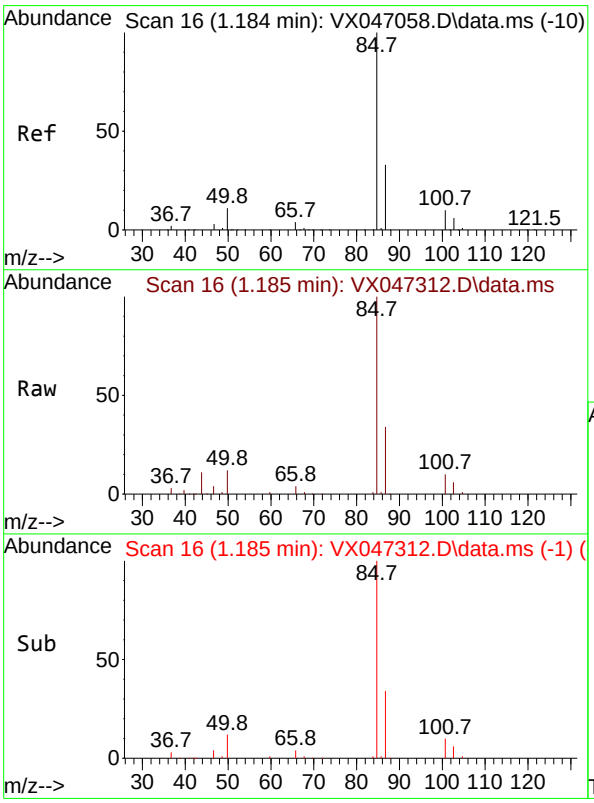
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:168 Resp: 201153

Ion	Ratio	Lower	Upper
168	100		
99	61.7	48.0	72.0

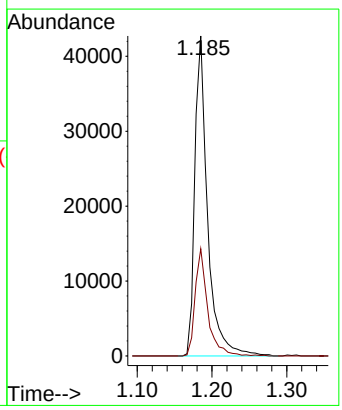


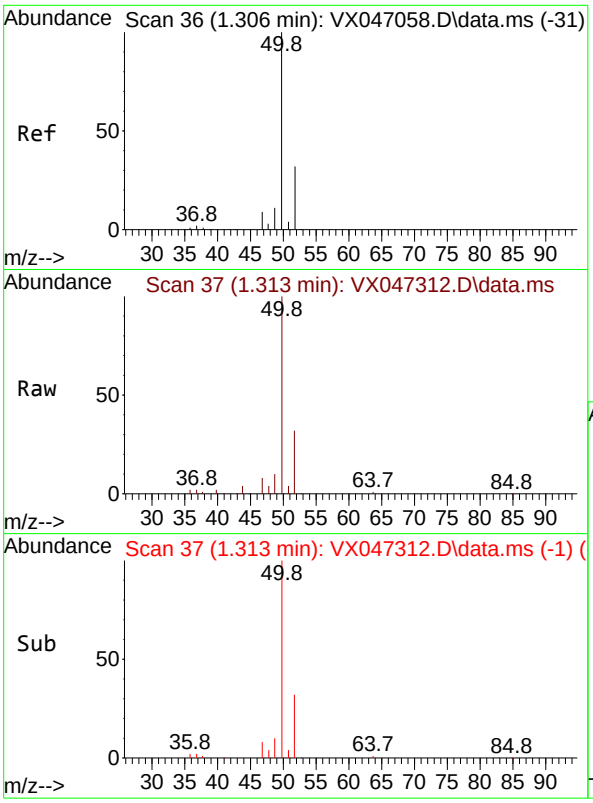


#2
Dichlorodifluoromethane
Concen: 18.920 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 85 Resp: 50552

Ion	Ratio	Lower	Upper
85	100		
87	33.5	16.6	49.8



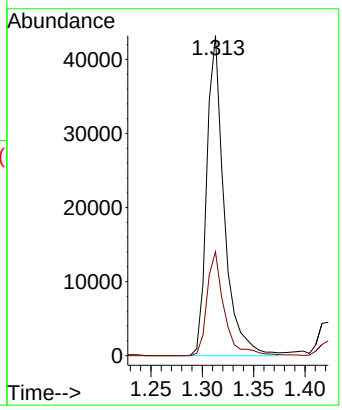


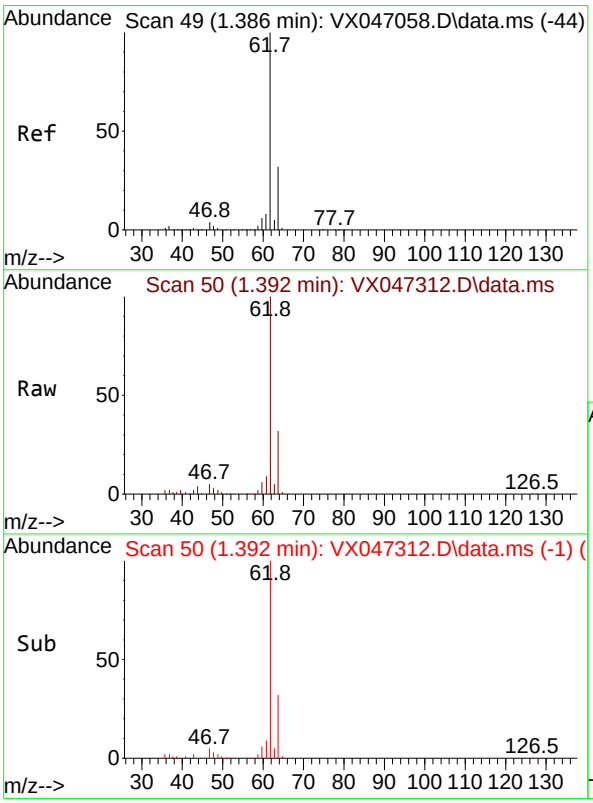
#3
Chloromethane
Concen: 19.263 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 50 Resp: 50910

Ion	Ratio	Lower	Upper
50	100		
52	32.4	25.4	38.2

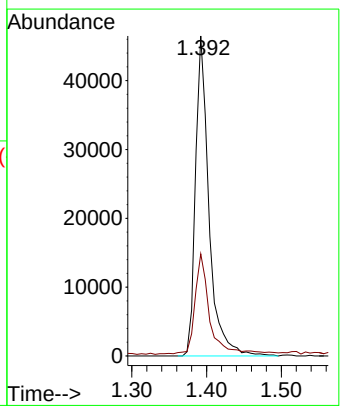


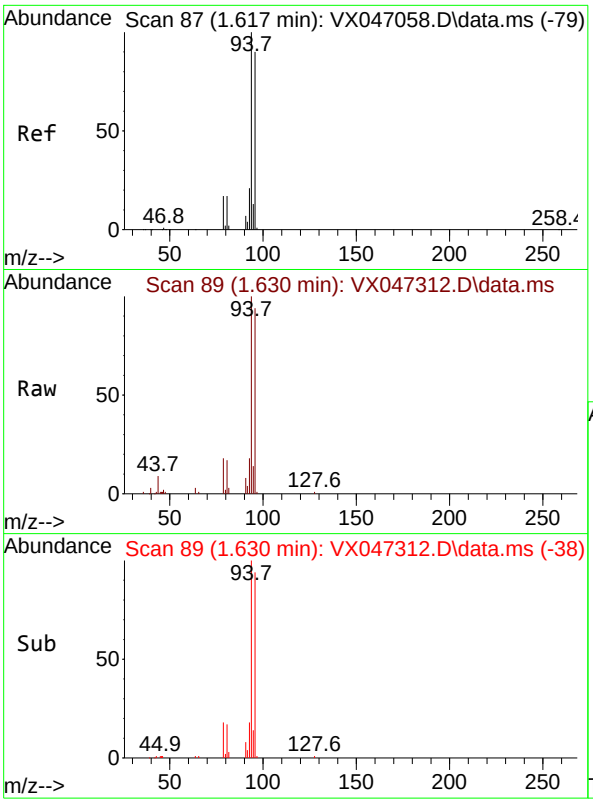


#4
Vinyl Chloride
Concen: 20.470 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 62 Resp: 58156

Ion	Ratio	Lower	Upper
62	100		
64	31.0	25.2	37.8



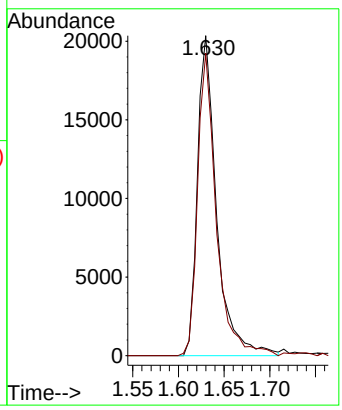


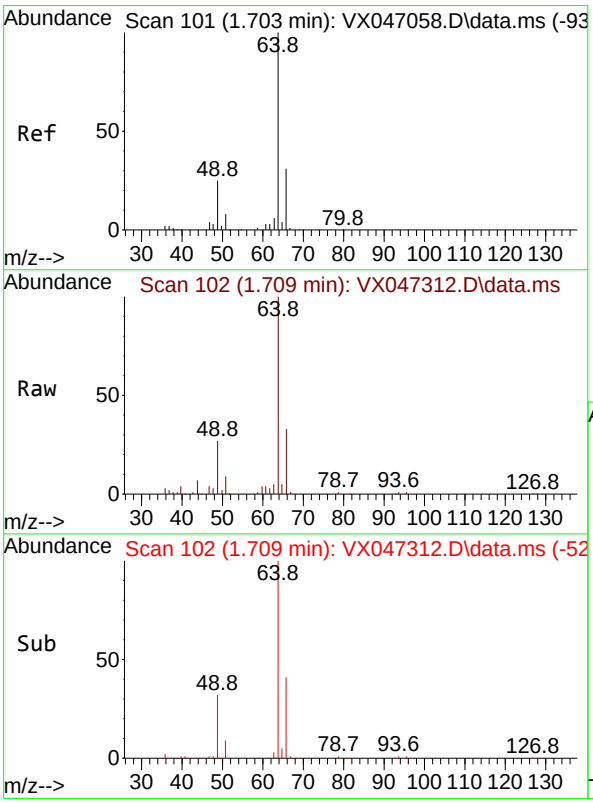
#5
Bromomethane
Concen: 19.212 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.013 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 94 Resp: 29650

Ion	Ratio	Lower	Upper
94	100		
96	94.5	72.3	108.5

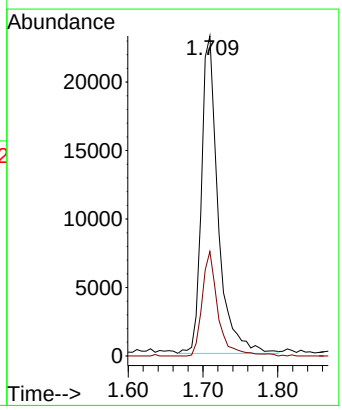


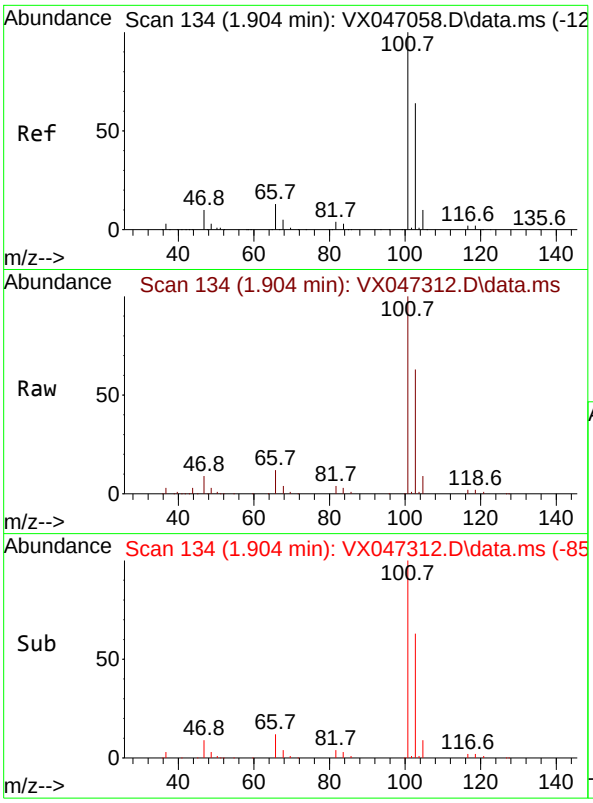


#6
Chloroethane
Concen: 19.210 ug/l
RT: 1.709 min Scan# 102
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 64 Resp: 35844

Ion	Ratio	Lower	Upper
64	100		
66	32.9	25.0	37.6



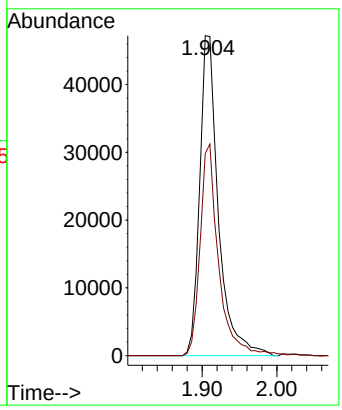


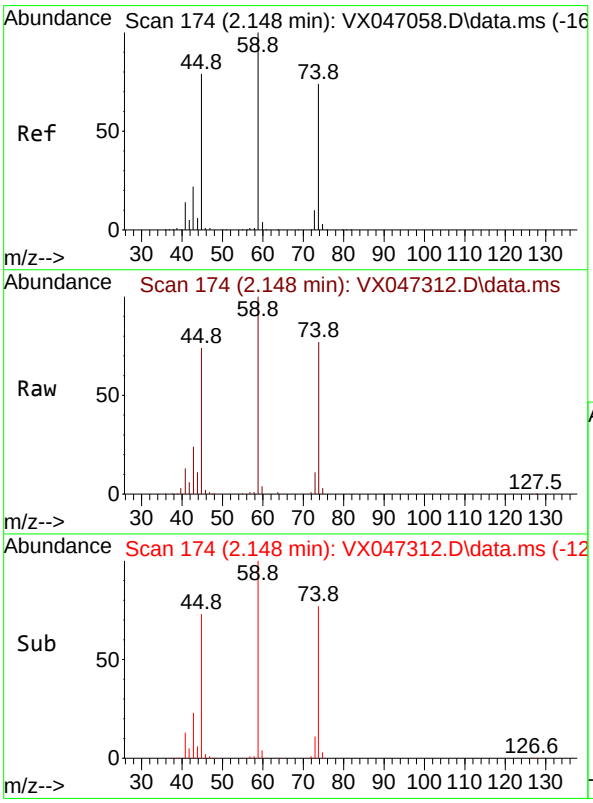
#7
Trichlorofluoromethane
Concen: 19.387 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:101 Resp: 82128

Ion	Ratio	Lower	Upper
101	100		
103	63.2	50.9	76.3

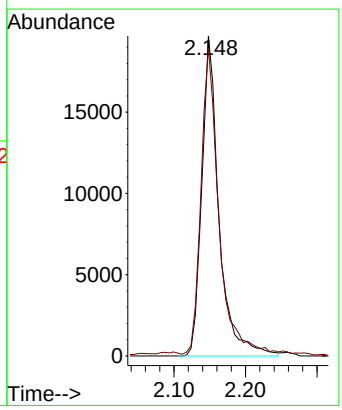


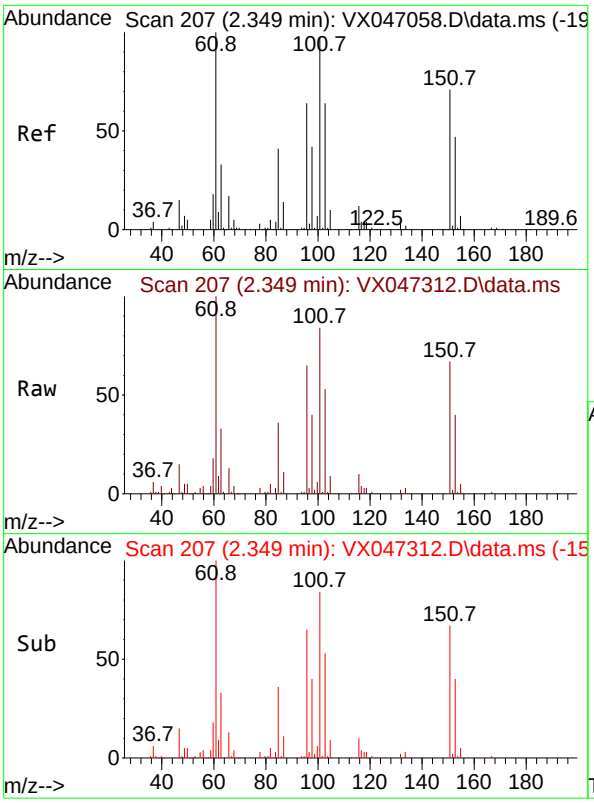


#8
Diethyl Ether
Concen: 21.966 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 74 Resp: 32810

Ion	Ratio	Lower	Upper
74	100		
45	103.7	53.0	159.0



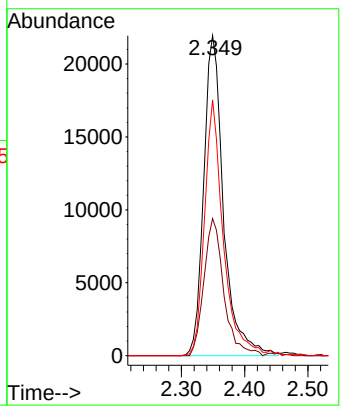


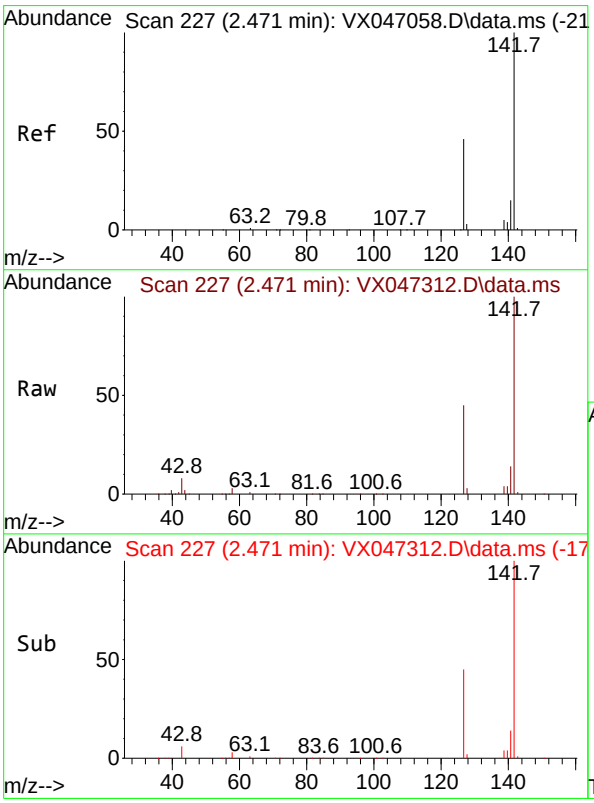
#9
1,1,2-Trichlorotrifluoroethane
Concen: 18.739 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:101 Resp: 47828

Ion	Ratio	Lower	Upper
101	100		
85	43.0	35.4	53.0
151	75.3	59.2	88.8

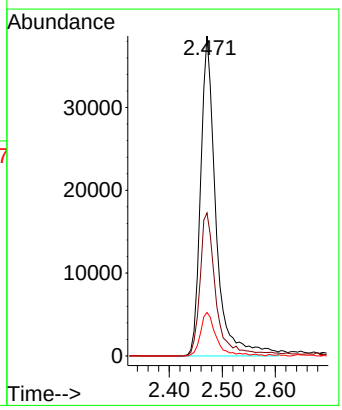


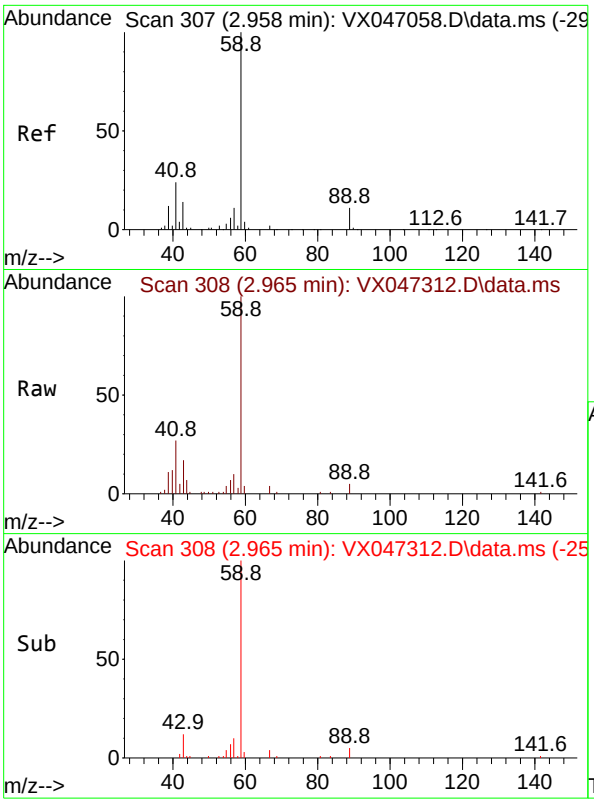


#10
Methyl Iodide
Concen: 29.914 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:142 Resp: 77812

Ion	Ratio	Lower	Upper
142	100		
127	46.9	36.6	54.8
141	13.9	10.9	16.3



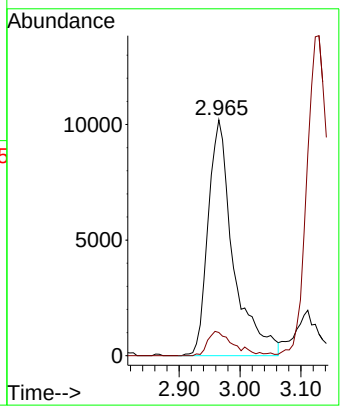


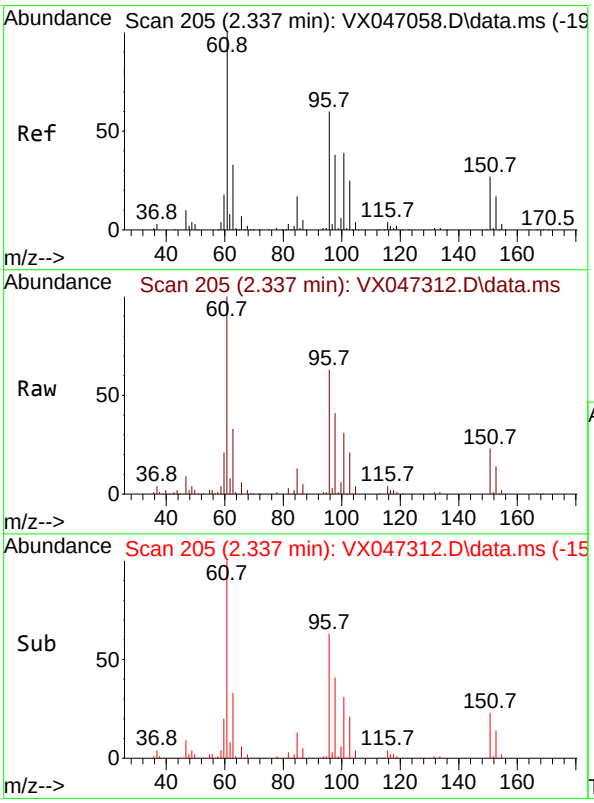
#11
Tert butyl alcohol
Concen: 93.714 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 59 Resp: 29334

Ion	Ratio	Lower	Upper
59	100		
57	10.8	8.5	12.7

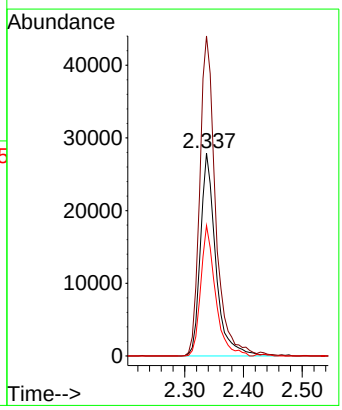


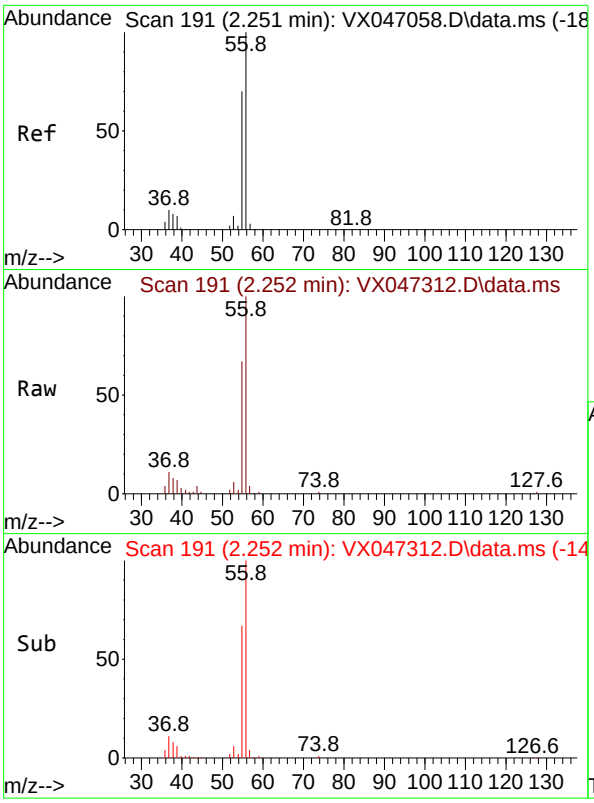


#12
1,1-Dichloroethene
Concen: 20.045 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 96 Resp: 50671

Ion	Ratio	Lower	Upper
96	100		
61	157.7	132.6	198.8
98	64.3	50.2	75.4



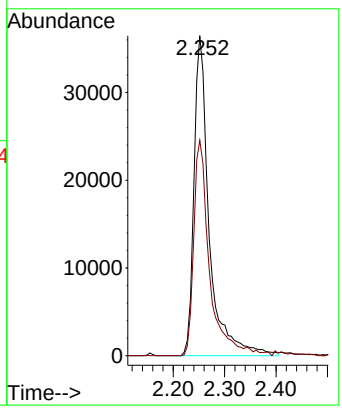


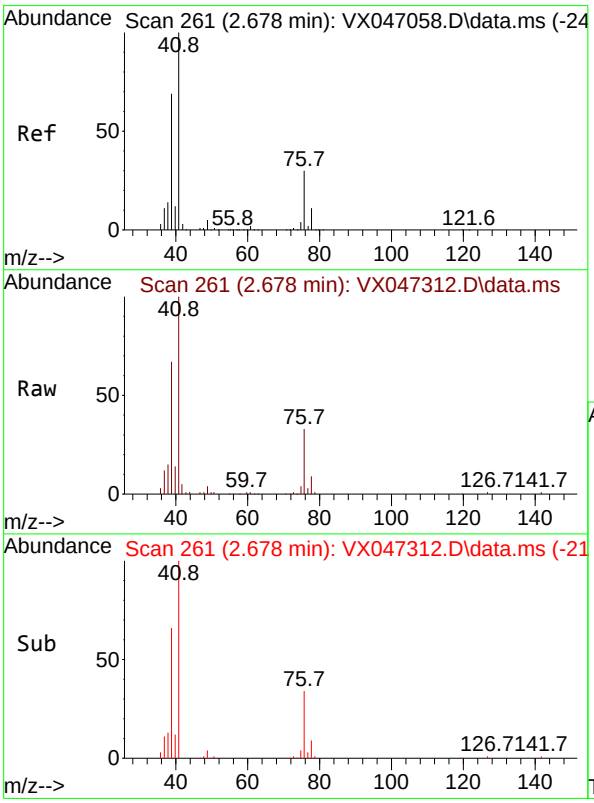
#13
Acrolein
Concen: 139.160 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 56 Resp: 75081

Ion	Ratio	Lower	Upper
56	100		
55	70.0	55.7	83.5

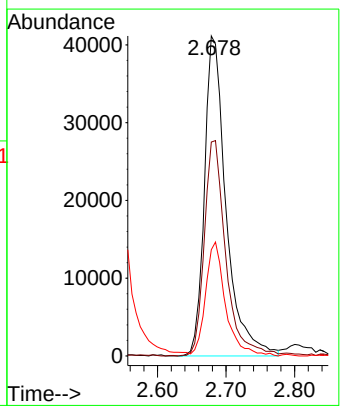


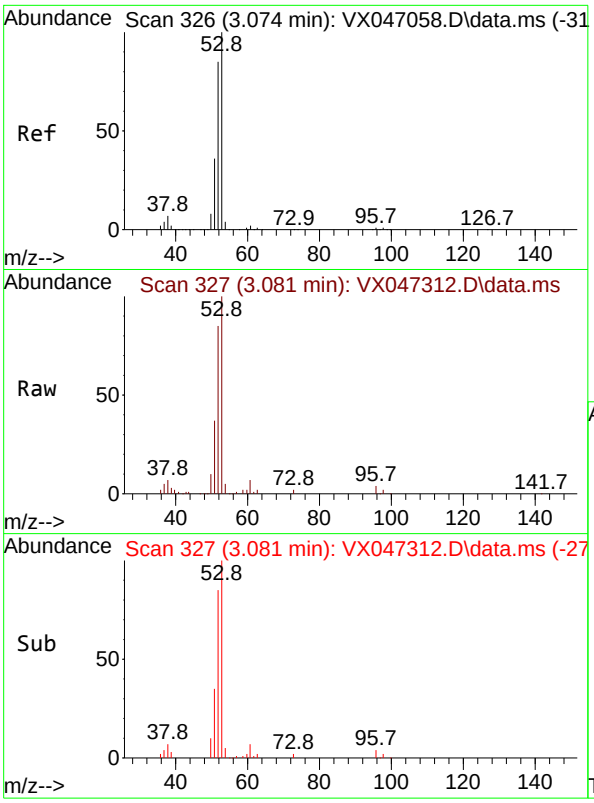


#14
Allyl chloride
Concen: 19.819 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 41 Resp: 90565

Ion	Ratio	Lower	Upper
41	100		
39	66.7	52.6	78.8
76	32.9	25.7	38.5



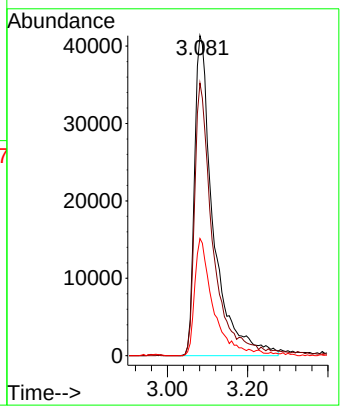


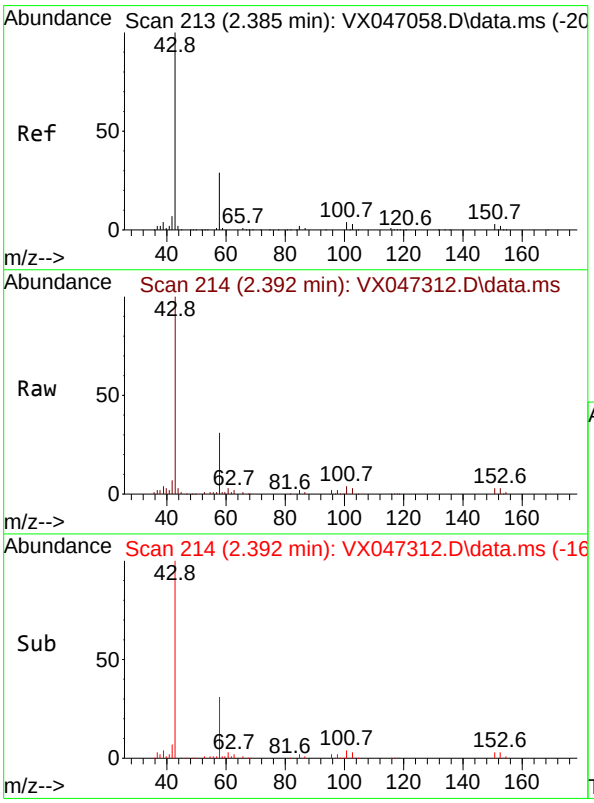
#15
Acrylonitrile
Concen: 112.844 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 53 Resp: 134855

Ion	Ratio	Lower	Upper
53	100		
52	81.8	65.7	98.5
51	35.6	28.8	43.2

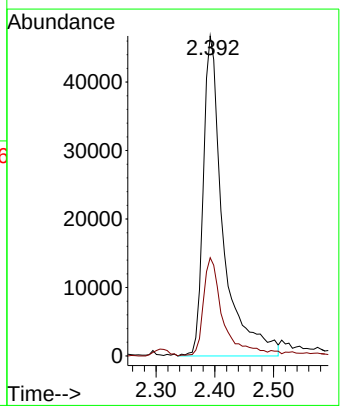


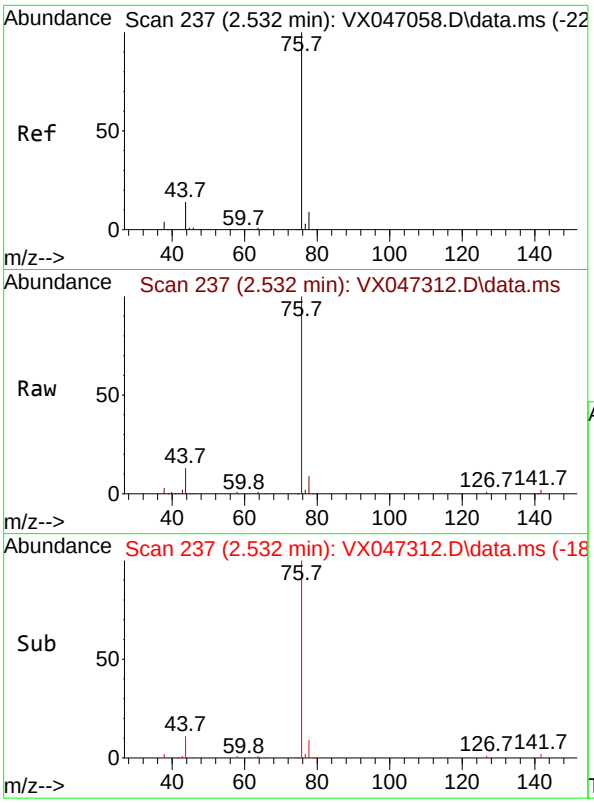


#16
Acetone
Concen: 109.353 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 43 Resp: 109769

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.0	36.0



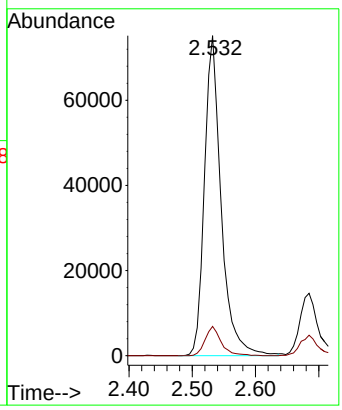


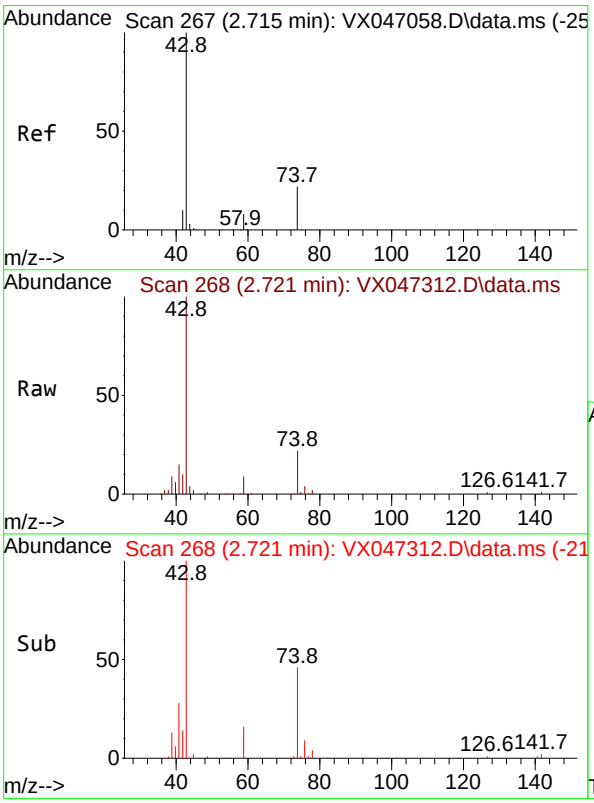
#17
Carbon Disulfide
Concen: 18.890 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 76 Resp: 138145

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

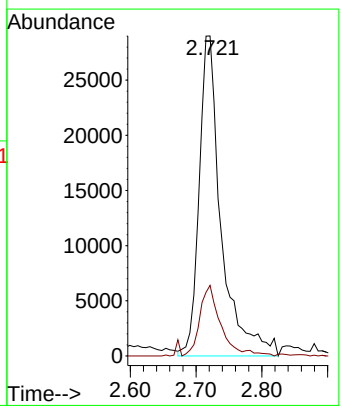


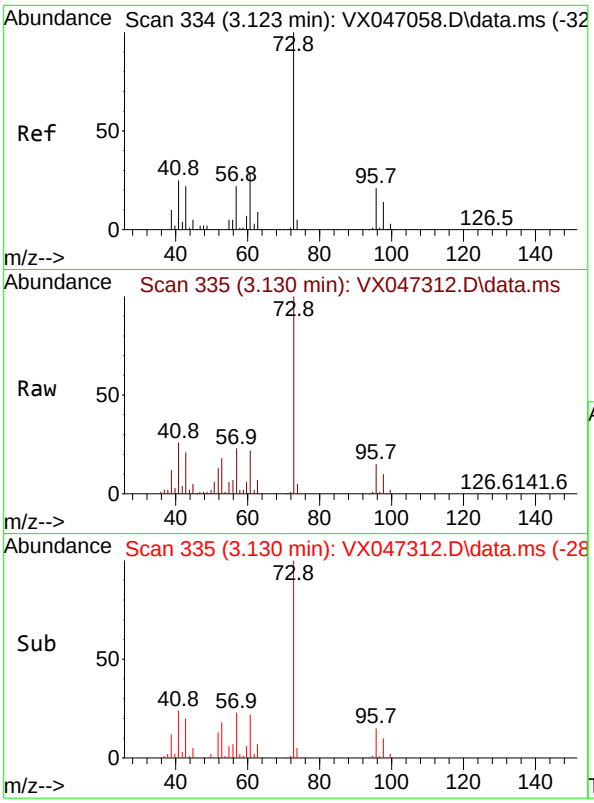


#18
Methyl Acetate
Concen: 25.293 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 43 Resp: 67472

Ion	Ratio	Lower	Upper
43	100		
74	20.9	17.7	26.5



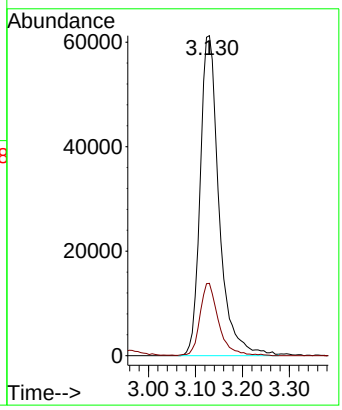


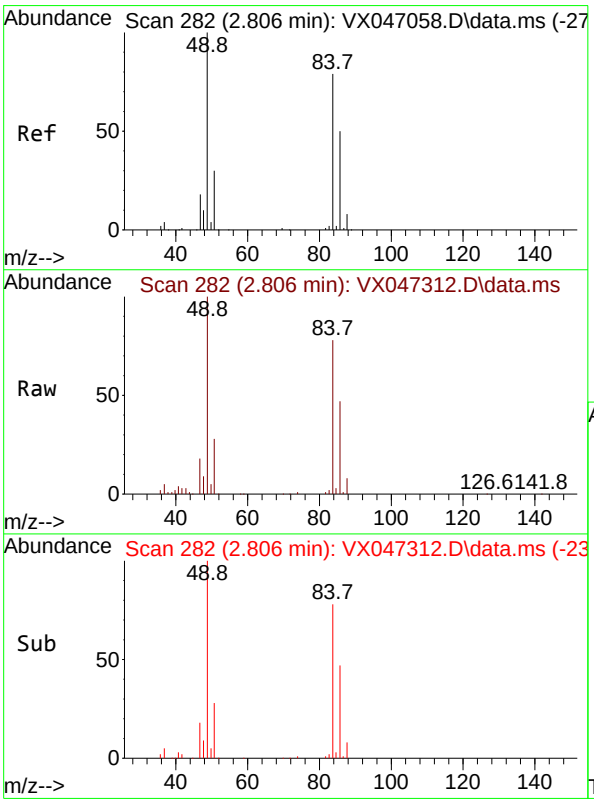
#19
Methyl tert-butyl Ether
Concen: 22.215 ug/l
RT: 3.130 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 73 Resp: 170912

Ion	Ratio	Lower	Upper
73	100		
57	22.6	17.7	26.5

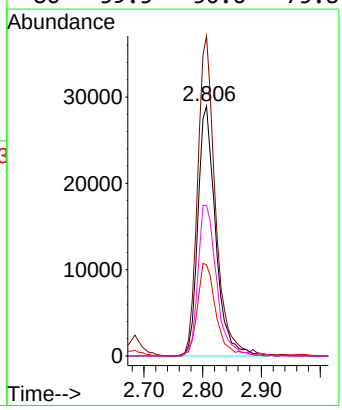


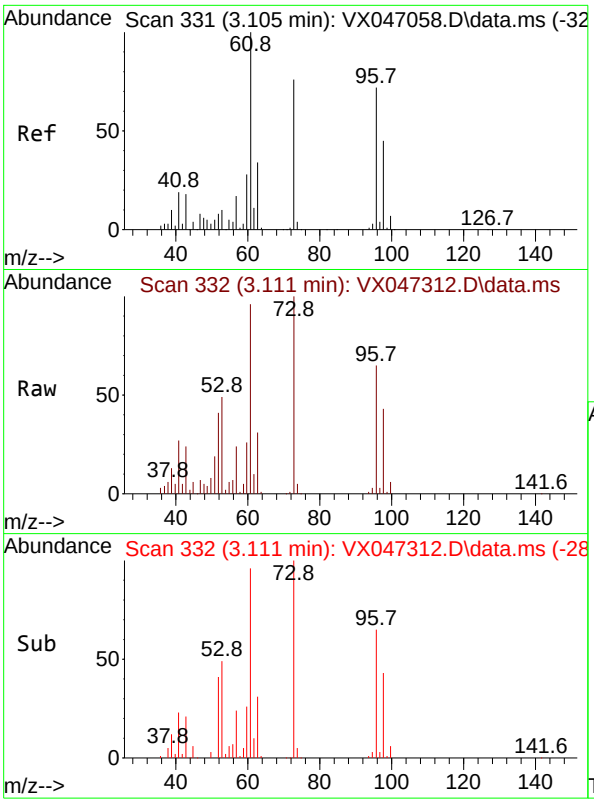


#20
Methylene Chloride
Concen: 21.969 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 84 Resp: 60670

Ion	Ratio	Lower	Upper
84	100		
49	123.6	101.6	152.4
51	35.2	30.3	45.5
86	59.5	50.6	75.8



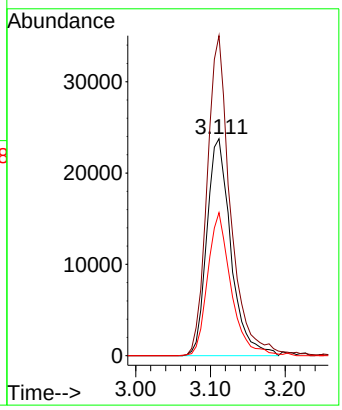


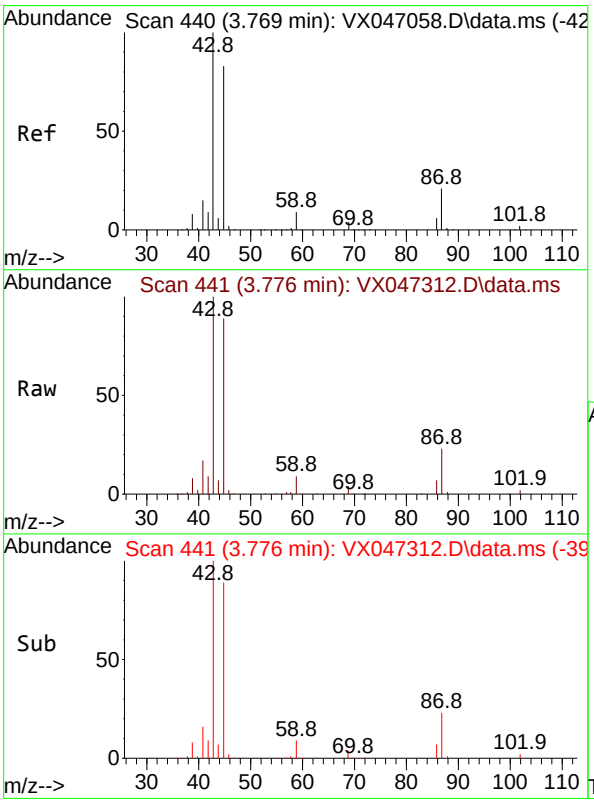
#21
trans-1,2-Dichloroethene
Concen: 20.531 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 96 Resp: 53110

Ion	Ratio	Lower	Upper
96	100		
61	147.5	111.1	166.7
98	66.0	49.6	74.4

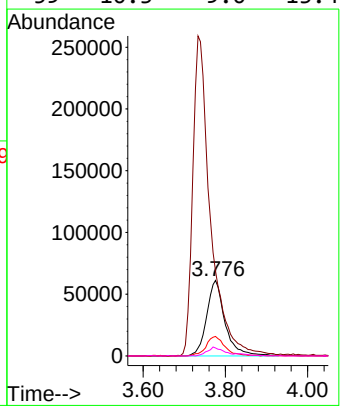


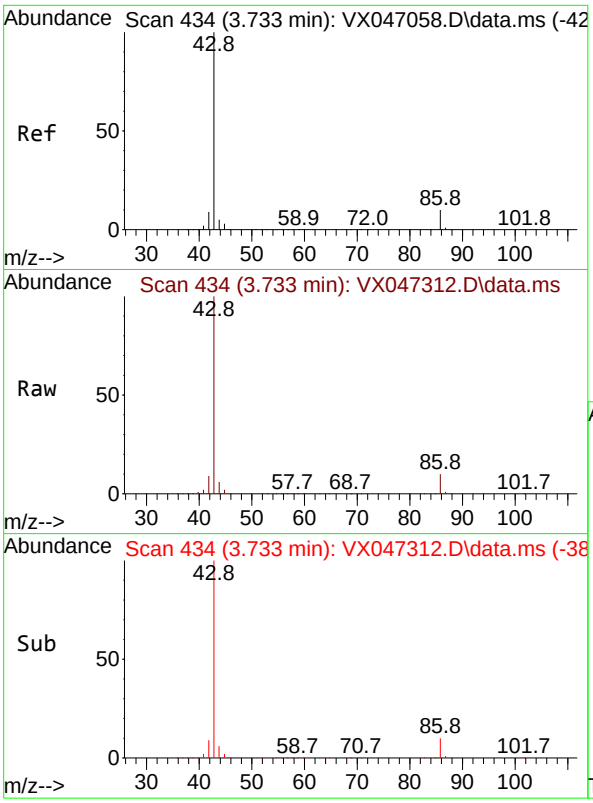


#22
Diisopropyl ether
Concen: 21.575 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 45 Resp: 189542

Ion	Ratio	Lower	Upper
45	100		
43	111.9	96.8	145.2
87	25.8	20.5	30.7
59	10.3	9.0	13.4



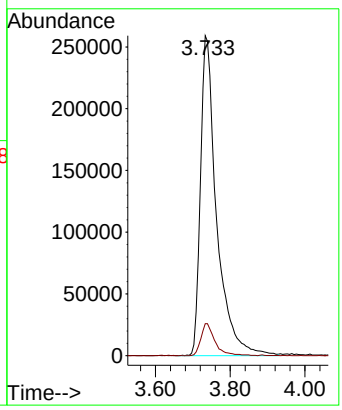


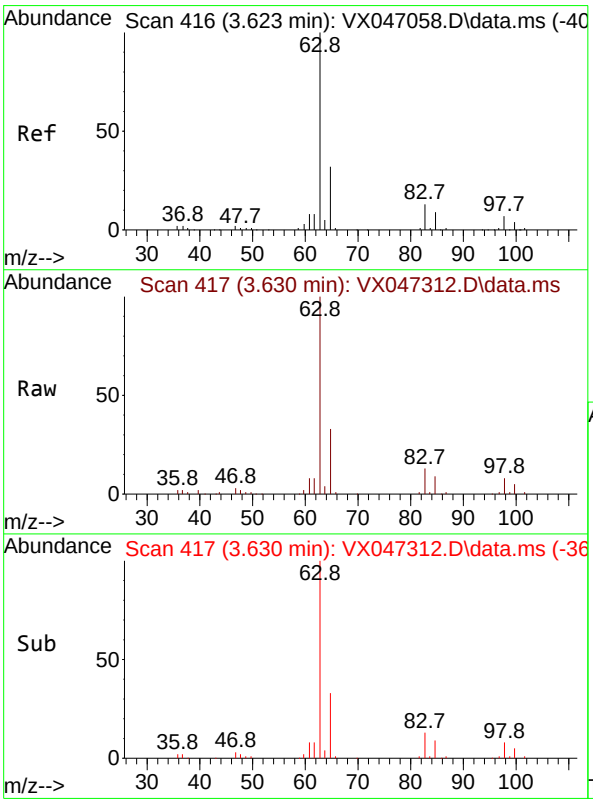
#23
Vinyl Acetate
Concen: 110.278 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 43 Resp: 777071

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

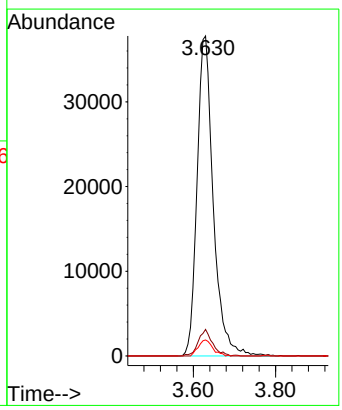


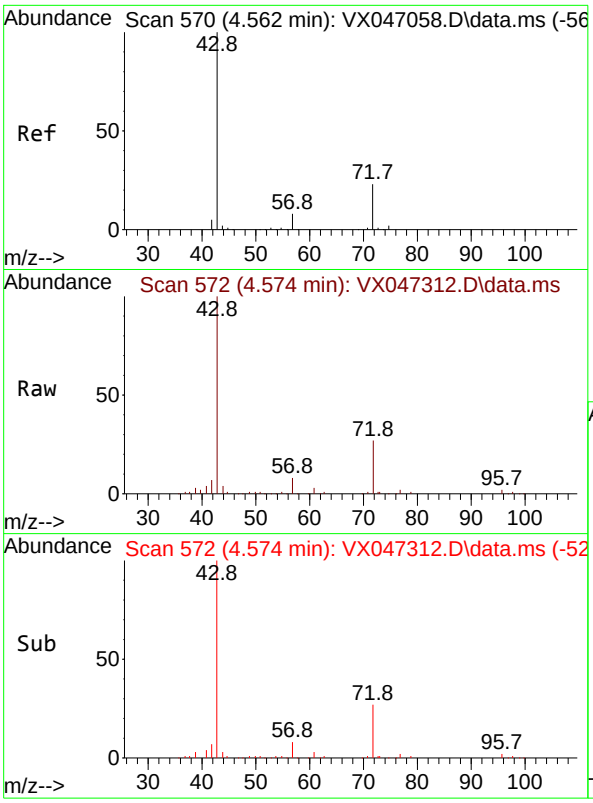


#24
1,1-Dichloroethane
Concen: 21.143 ug/l
RT: 3.630 min Scan# 417
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 63 Resp: 103292

Ion	Ratio	Lower	Upper
63	100		
98	8.3	3.6	10.8
100	5.0	2.3	6.8



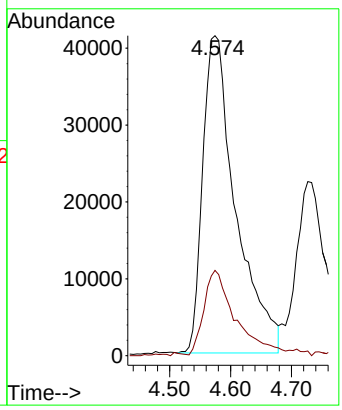


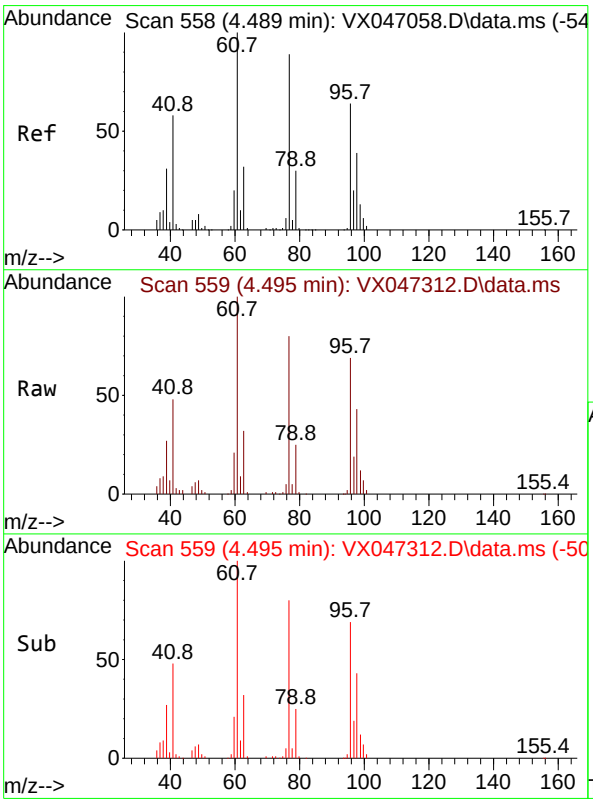
#25
2-Butanone
Concen: 106.560 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.013 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 43 Resp: 155750

Ion	Ratio	Lower	Upper
43	100		
72	27.1	18.8	28.2

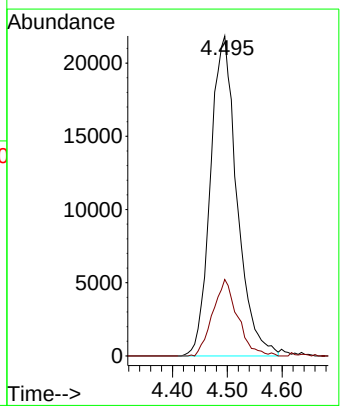


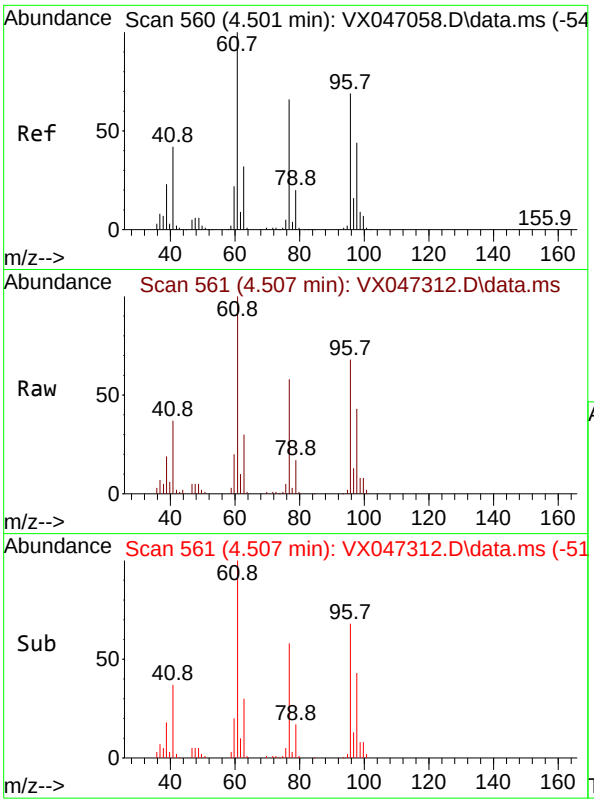


#26
2,2-Dichloropropane
Concen: 19.417 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 77 Resp: 73431

Ion	Ratio	Lower	Upper
77	100		
97	22.5	11.4	34.1



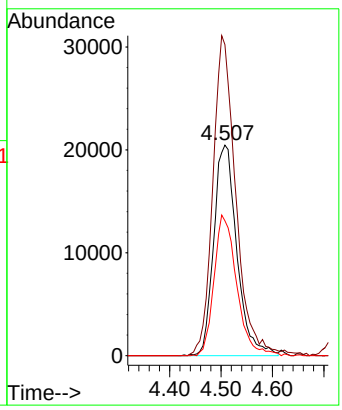


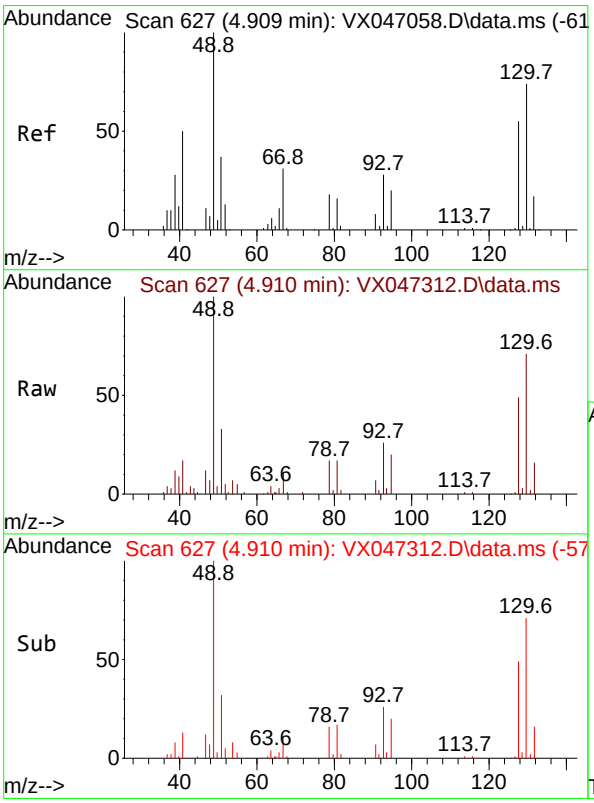
#27
cis-1,2-Dichloroethene
Concen: 20.900 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 96 Resp: 64021

Ion	Ratio	Lower	Upper
96	100		
61	151.3	0.0	298.6
98	65.3	0.0	128.8

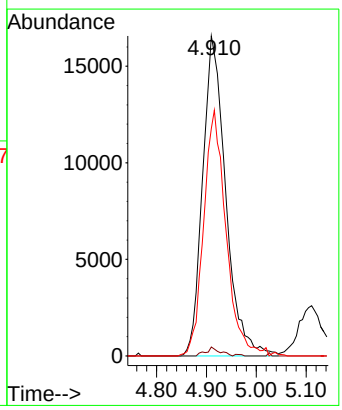


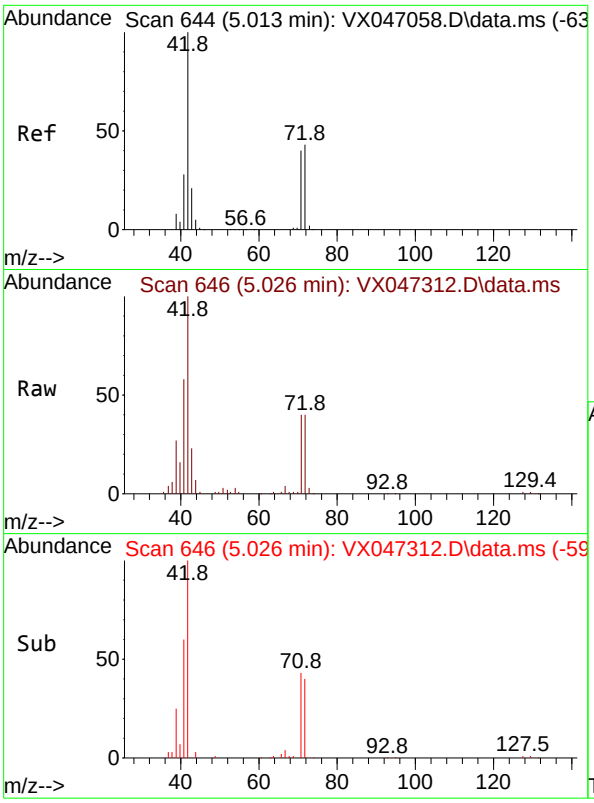


#28
Bromochloromethane
Concen: 23.761 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 49 Resp: 53405

Ion	Ratio	Lower	Upper
49	100		
129	1.6	0.0	3.8
130	74.4	59.0	88.4



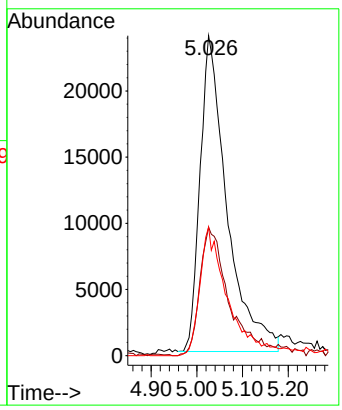


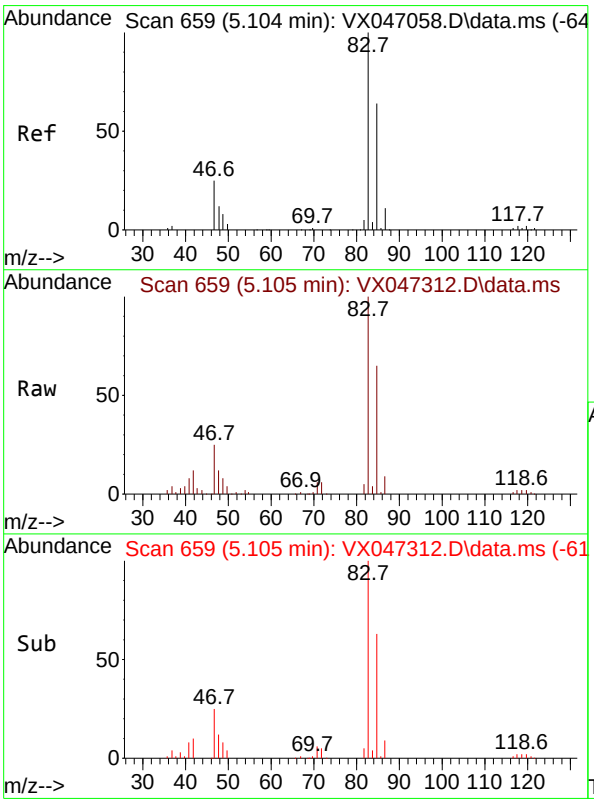
#29
Tetrahydrofuran
Concen: 103.638 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.013 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 42 Resp: 97737

Ion	Ratio	Lower	Upper
42	100		
72	44.0	33.7	50.5
71	42.0	31.0	46.4

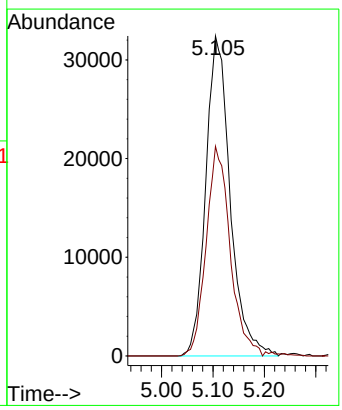


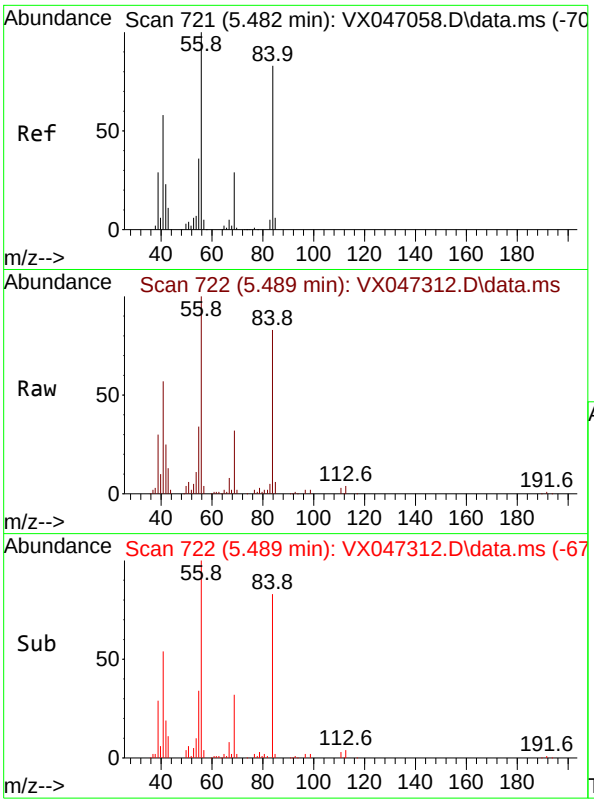


#30
Chloroform
Concen: 21.507 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 83 Resp: 106952

Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.9	76.3



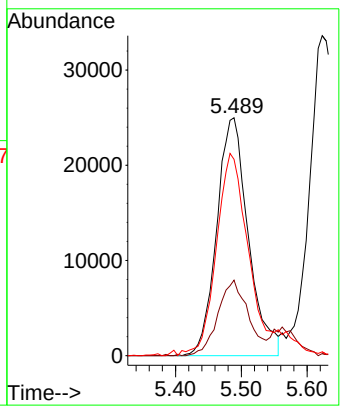


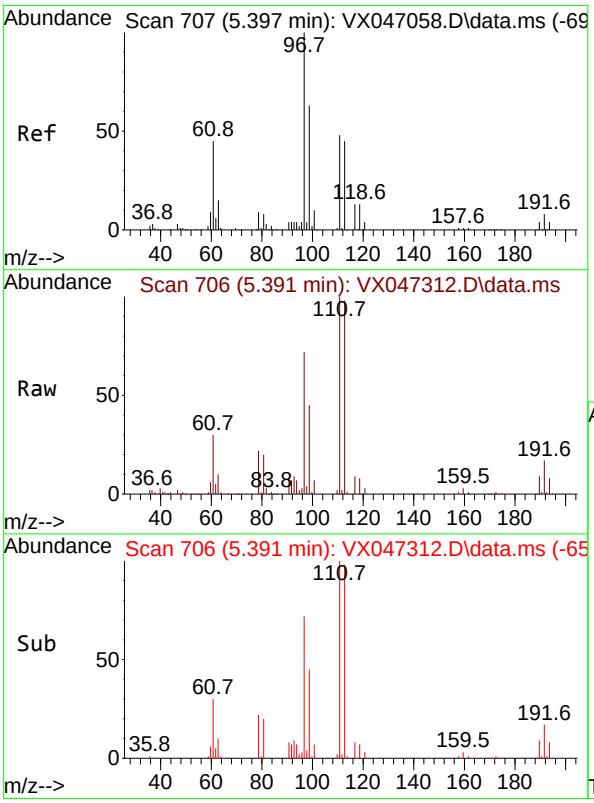
#31
Cyclohexane
Concen: 17.795 ug/l
RT: 5.489 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 56 Resp: 83355

Ion	Ratio	Lower	Upper
56	100		
69	31.1	23.3	34.9
84	82.5	66.5	99.7

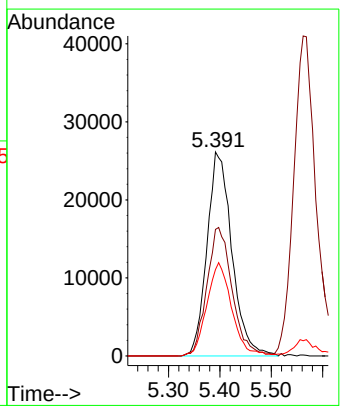


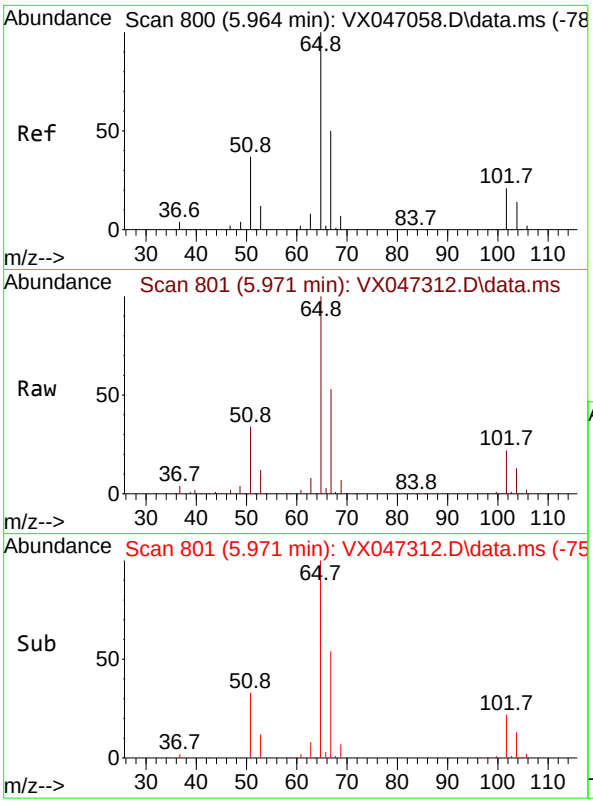


#32
1,1,1-Trichloroethane
Concen: 20.362 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 97 Resp: 87950

Ion	Ratio	Lower	Upper
97	100		
99	63.9	51.2	76.8
61	45.7	37.1	55.7



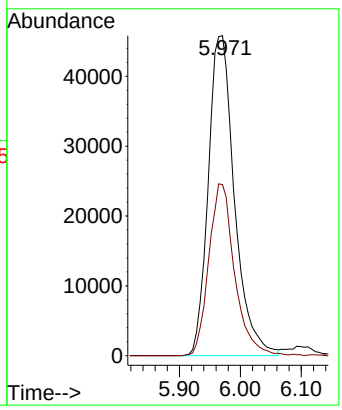


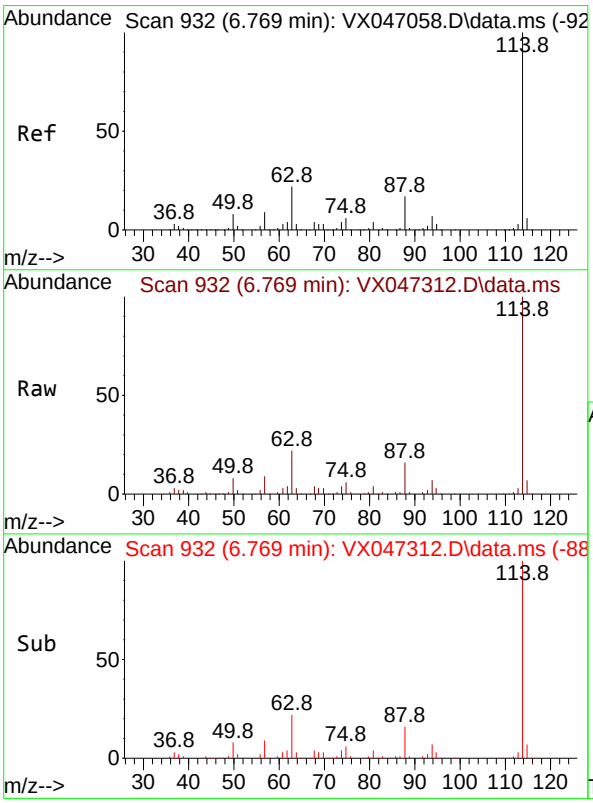
#33
1,2-Dichloroethane-d4
Concen: 54.717 ug/l
RT: 5.971 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 65 Resp: 137106

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	104.8

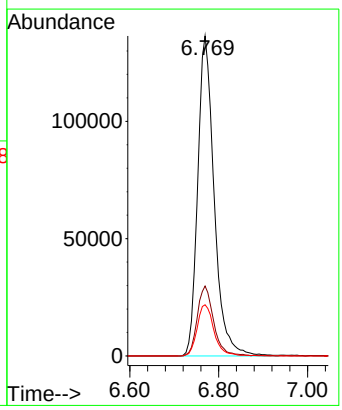


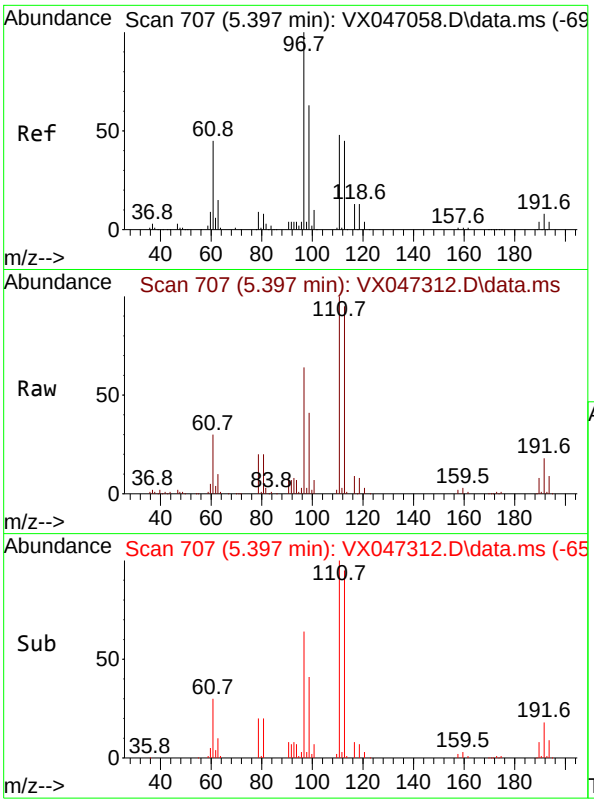


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:114 Resp: 351465

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	16.0	0.0	33.8



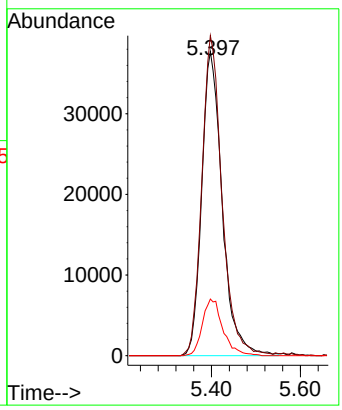


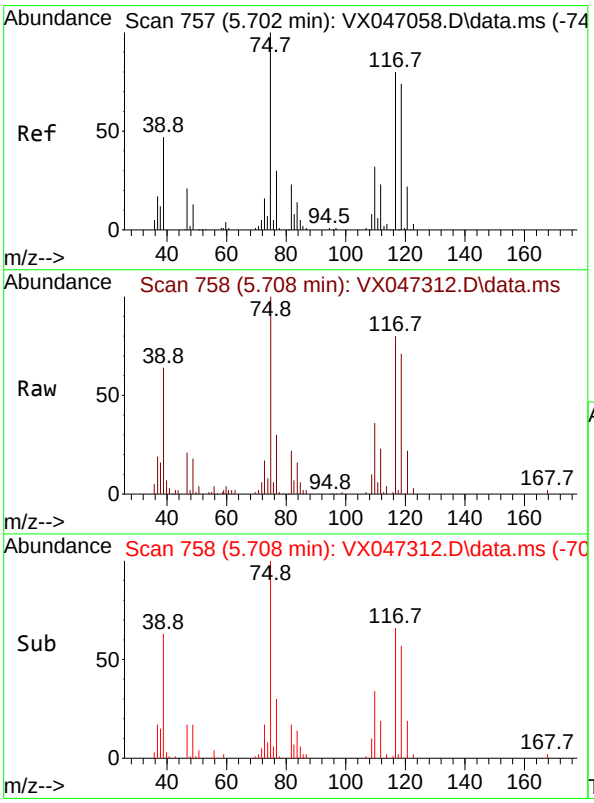
#35
Dibromofluoromethane
Concen: 55.734 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:113 Resp: 120946

Ion	Ratio	Lower	Upper
113	100		
111	103.9	82.6	124.0
192	18.7	14.9	22.3

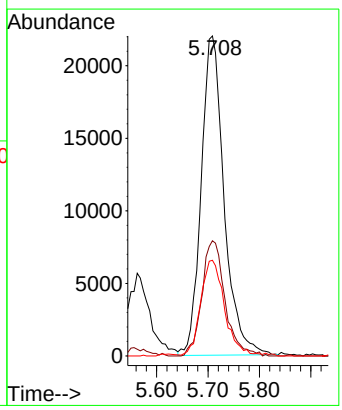


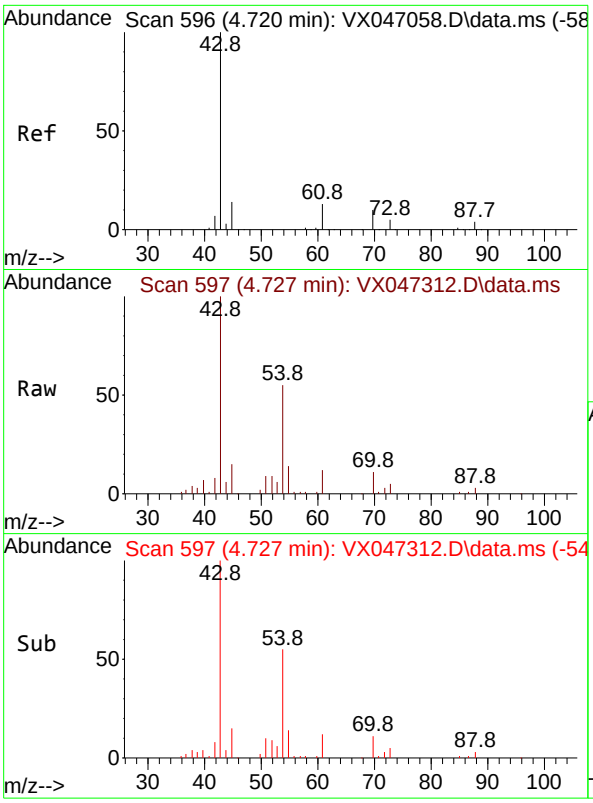


#36
1,1-Dichloropropene
Concen: 18.416 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 75 Resp: 68123

Ion	Ratio	Lower	Upper
75	100		
110	36.5	17.2	51.5
77	30.7	25.1	37.7



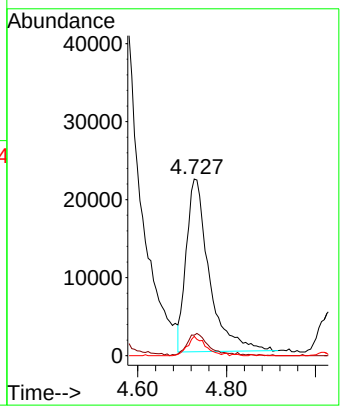


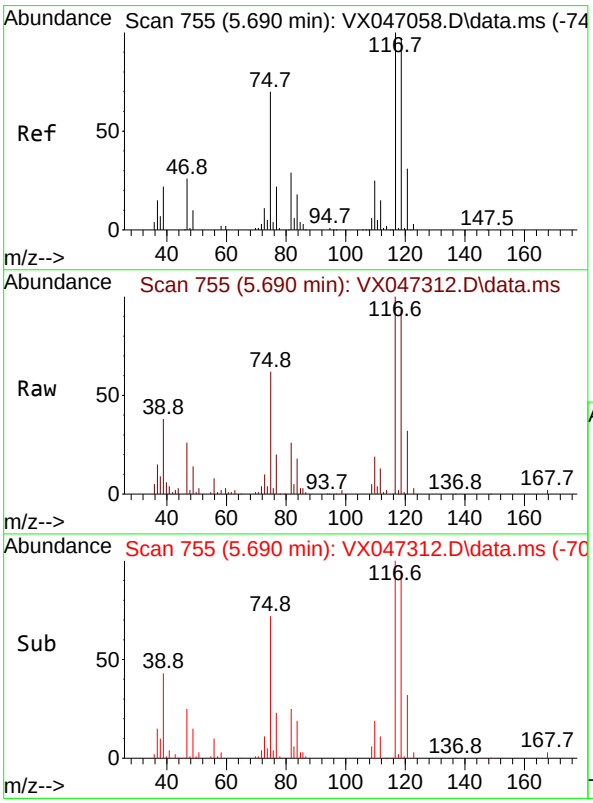
#37
Ethyl Acetate
Concen: 23.264 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 43 Resp: 79295

Ion	Ratio	Lower	Upper
43	100		
61	12.1	10.2	15.2
70	8.5	8.1	12.1

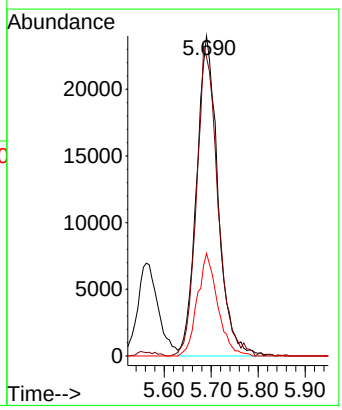


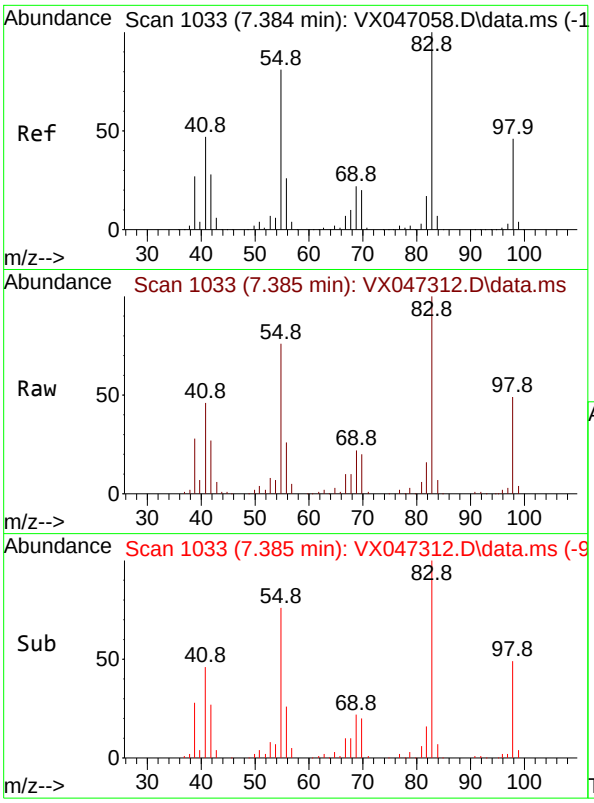


#38
Carbon Tetrachloride
Concen: 19.234 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:117 Resp: 75937

Ion	Ratio	Lower	Upper
117	100		
119	92.9	76.6	115.0
121	32.1	24.4	36.6



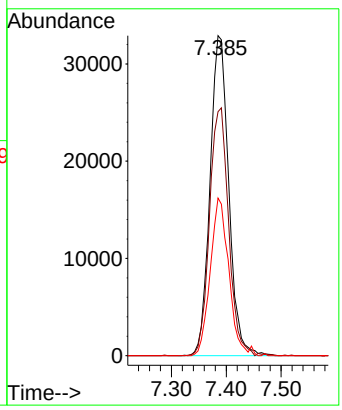


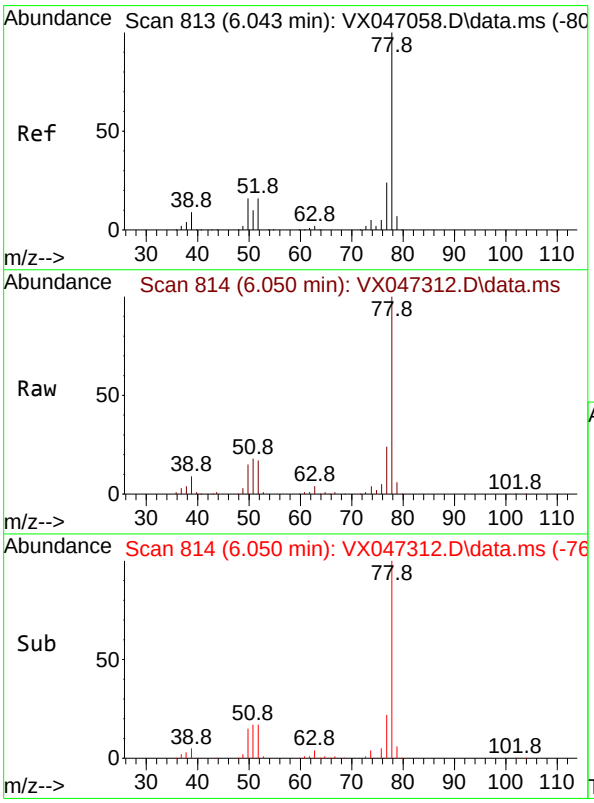
#39
Methylcyclohexane
Concen: 16.879 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 83 Resp: 77955

Ion	Ratio	Lower	Upper
83	100		
55	76.3	64.5	96.7
98	49.2	36.9	55.3

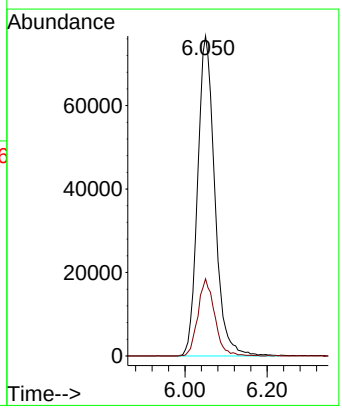


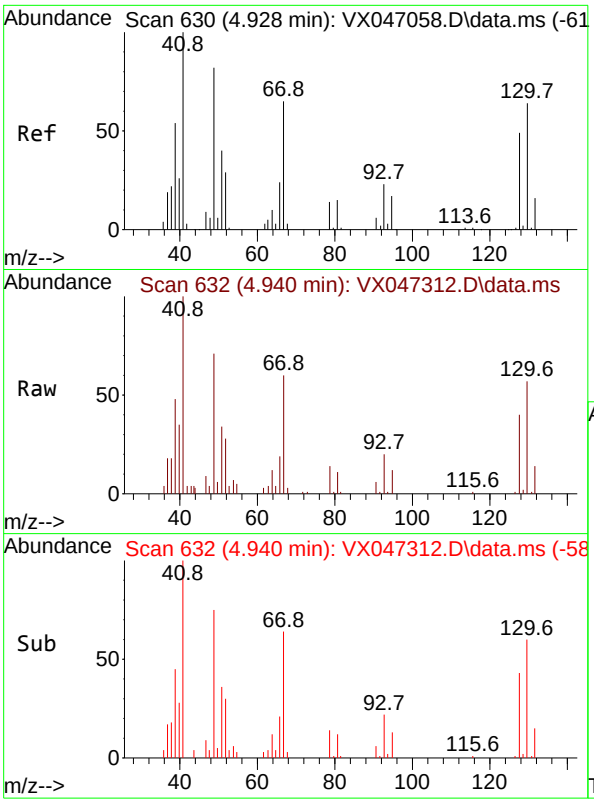


#40
Benzene
Concen: 20.699 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 78 Resp: 221589

Ion	Ratio	Lower	Upper
78	100		
77	24.1	19.0	28.4



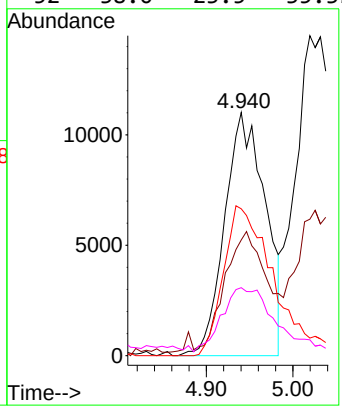


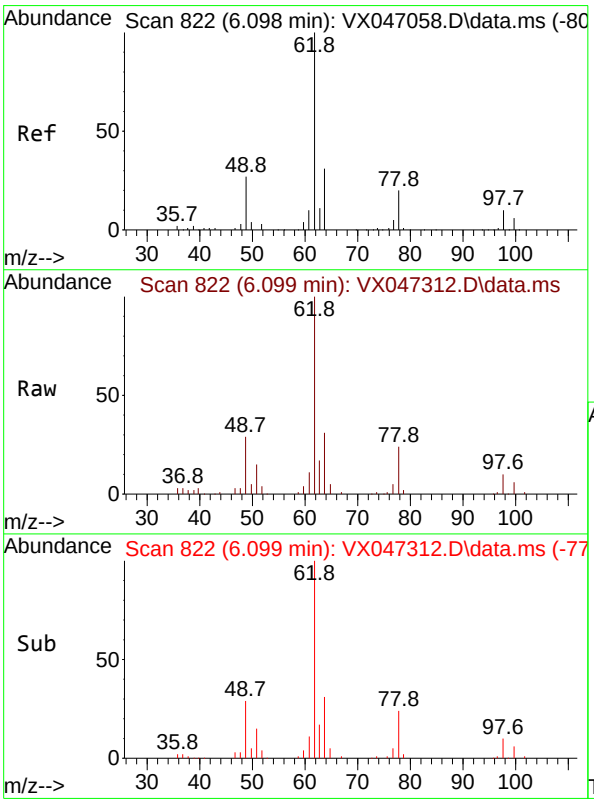
#41
Methacrylonitrile
Concen: 20.202 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.013 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 41 Resp: 36004

Ion	Ratio	Lower	Upper
41	100		
39	50.4	44.2	66.2
67	78.2	56.4	84.6
52	38.0	23.5	35.3#

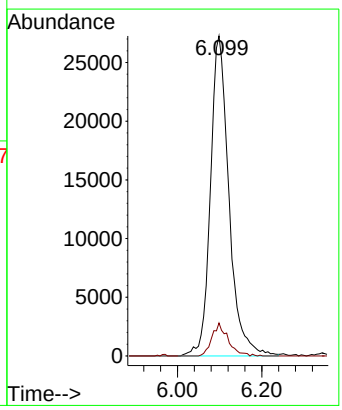


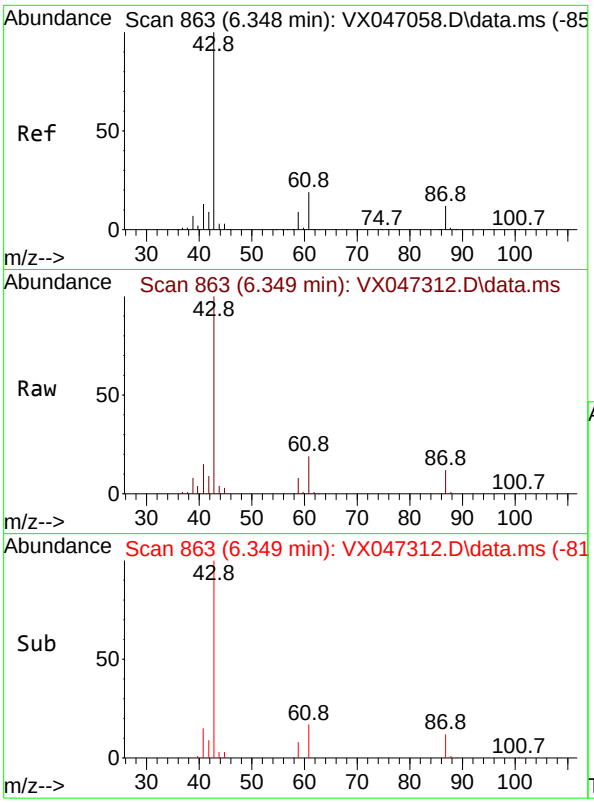


#42
1,2-Dichloroethane
Concen: 22.036 ug/l
RT: 6.099 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 62 Resp: 83097

Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.8



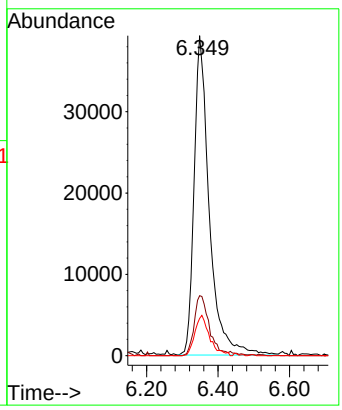


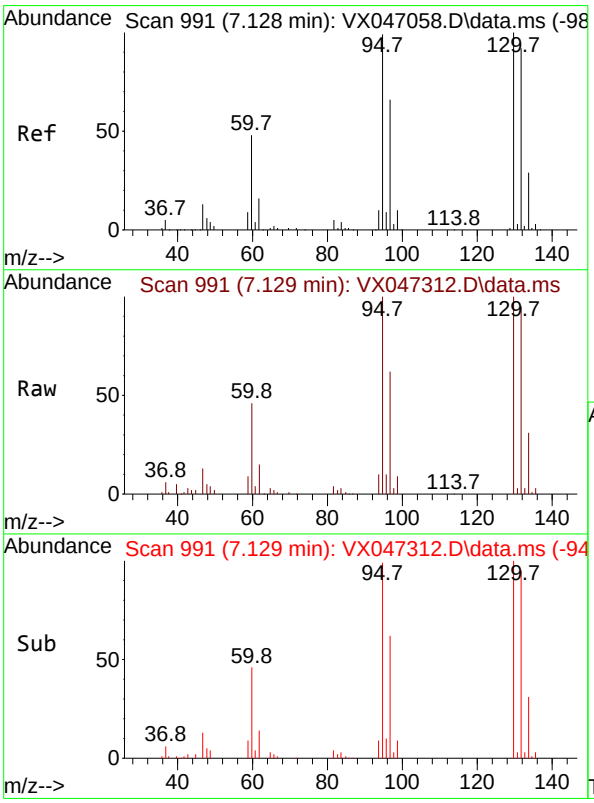
#43
Isopropyl Acetate
Concen: 21.781 ug/l
RT: 6.349 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 43 Resp: 115740

Ion	Ratio	Lower	Upper
43	100		
61	19.3	15.1	22.7
87	12.2	9.7	14.5

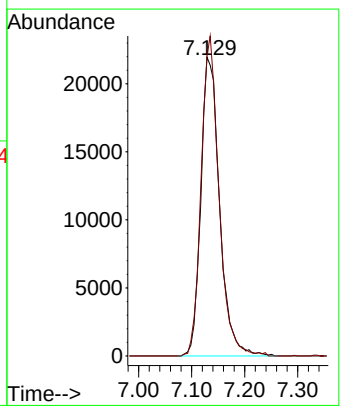


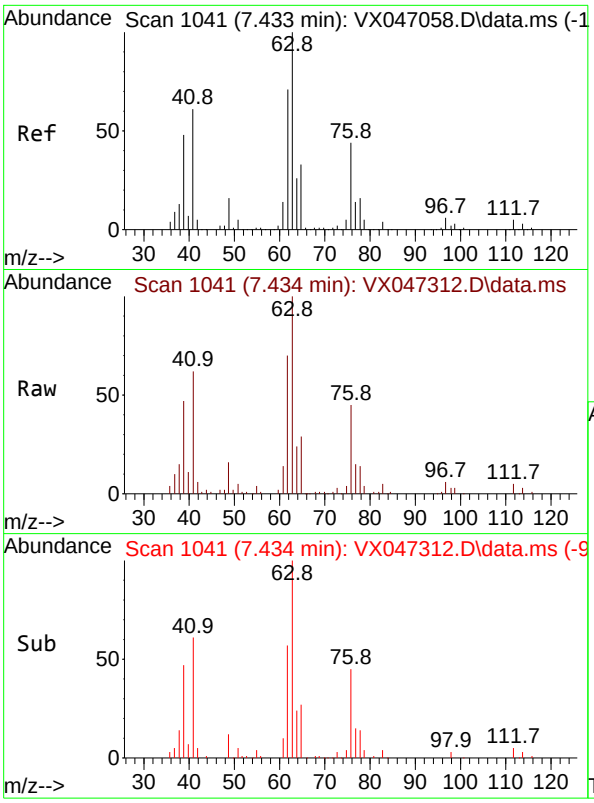


#44
Trichloroethene
Concen: 19.598 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:130 Resp: 53800

Ion	Ratio	Lower	Upper
130	100		
95	100.3	0.0	198.6



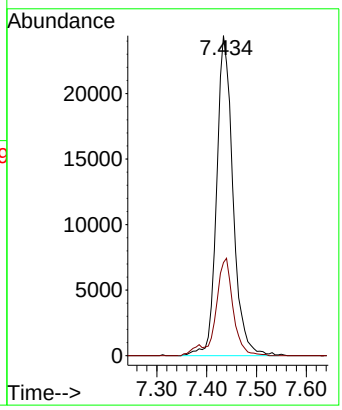


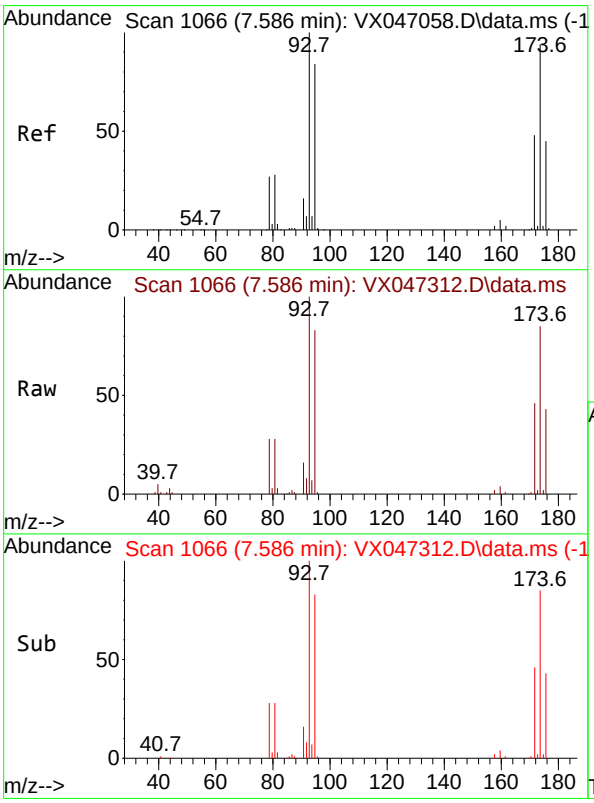
#45
1,2-Dichloropropane
Concen: 20.747 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 63 Resp: 55625

Ion	Ratio	Lower	Upper
63	100		
65	29.1	26.3	39.5

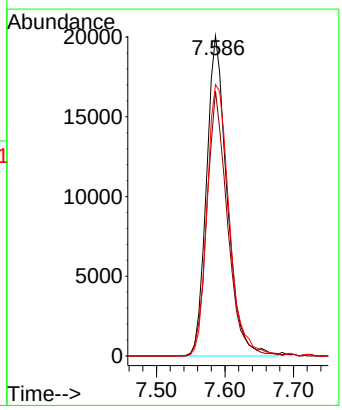


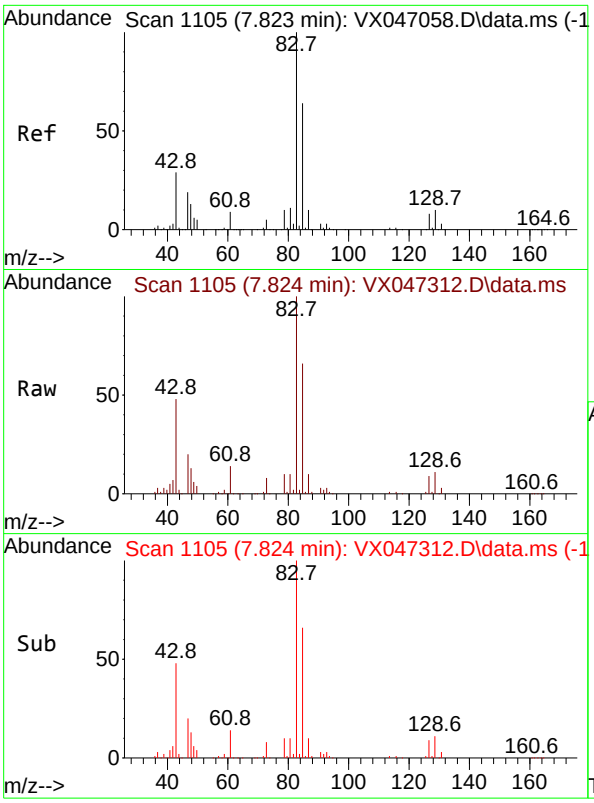


#46
Dibromomethane
Concen: 22.334 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 93 Resp: 41993

Ion	Ratio	Lower	Upper
93	100		
95	82.1	65.9	98.9
174	91.3	74.6	112.0



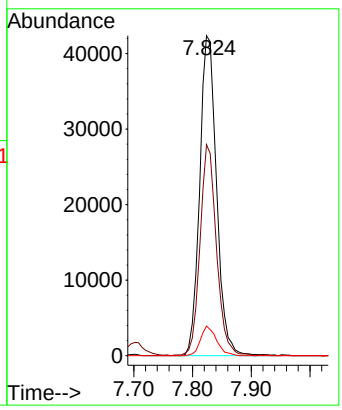


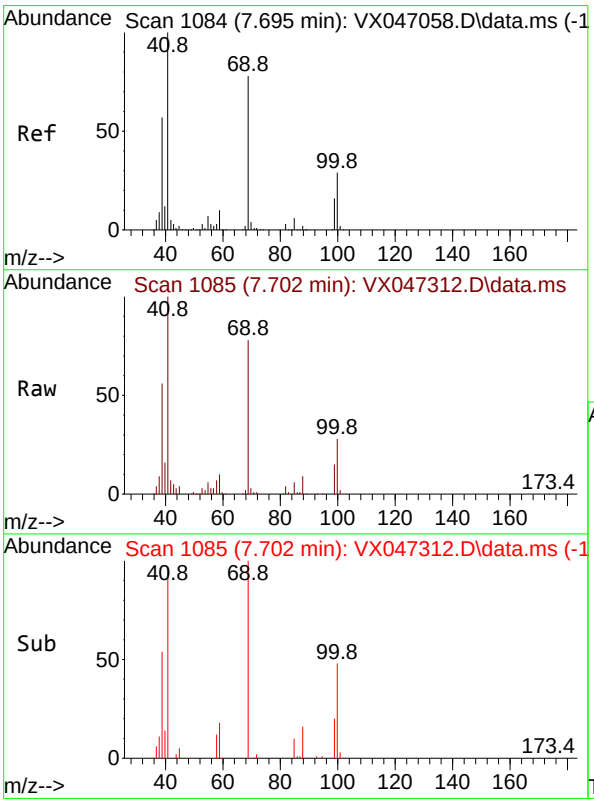
#47
Bromodichloromethane
Concen: 21.180 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 83 Resp: 84762

Ion	Ratio	Lower	Upper
83	100		
85	65.9	49.9	74.9
127	9.2	6.6	10.0

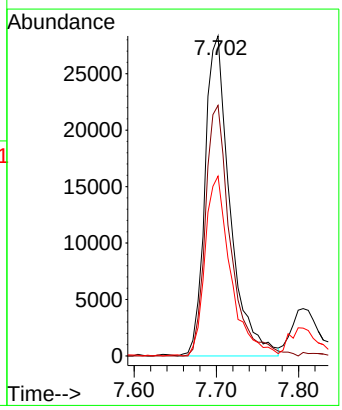


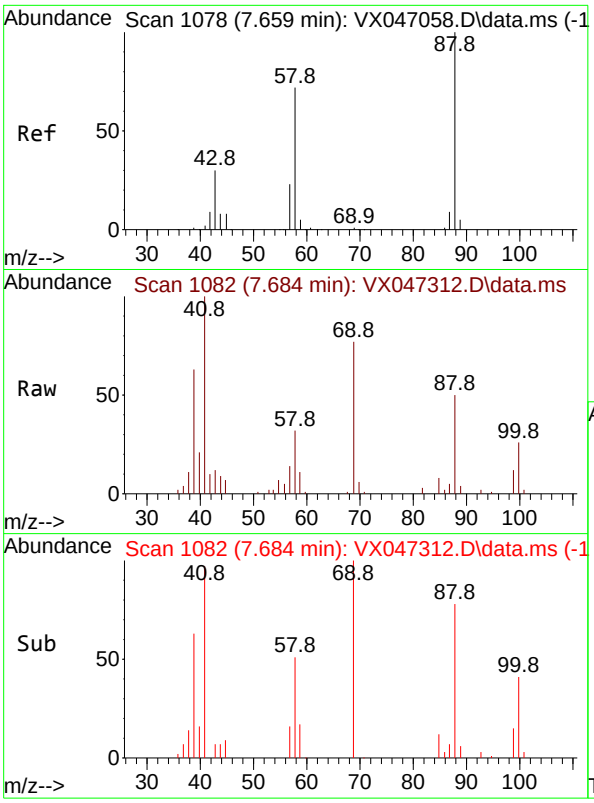


#48
Methyl methacrylate
Concen: 20.720 ug/l
RT: 7.702 min Scan# 1085
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 41 Resp: 59981

Ion	Ratio	Lower	Upper
41	100		
69	78.0	62.3	93.5
39	57.4	44.8	67.2



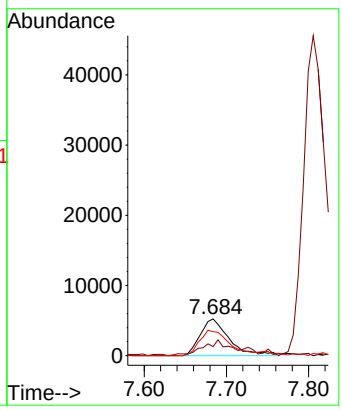


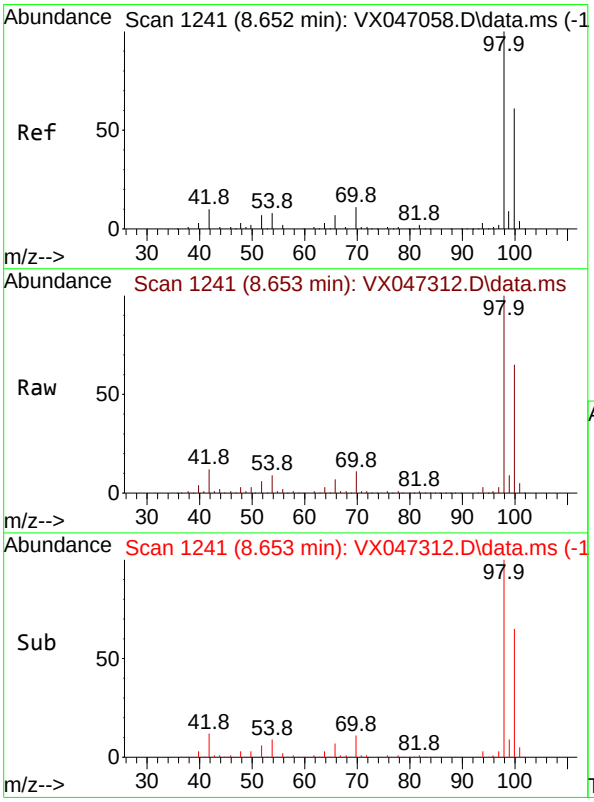
#49
1,4-Dioxane
Concen: 386.524 ug/l
RT: 7.684 min Scan# 1
Delta R.T. 0.025 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 88 Resp: 12726

Ion	Ratio	Lower	Upper
88	100		
43	38.1	33.6	50.4
58	70.0	58.8	88.2

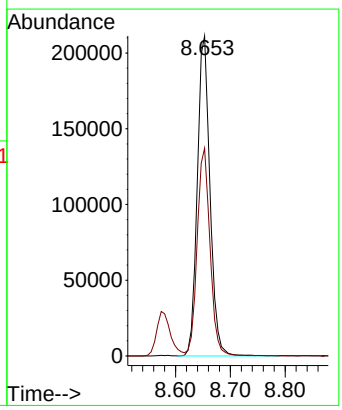


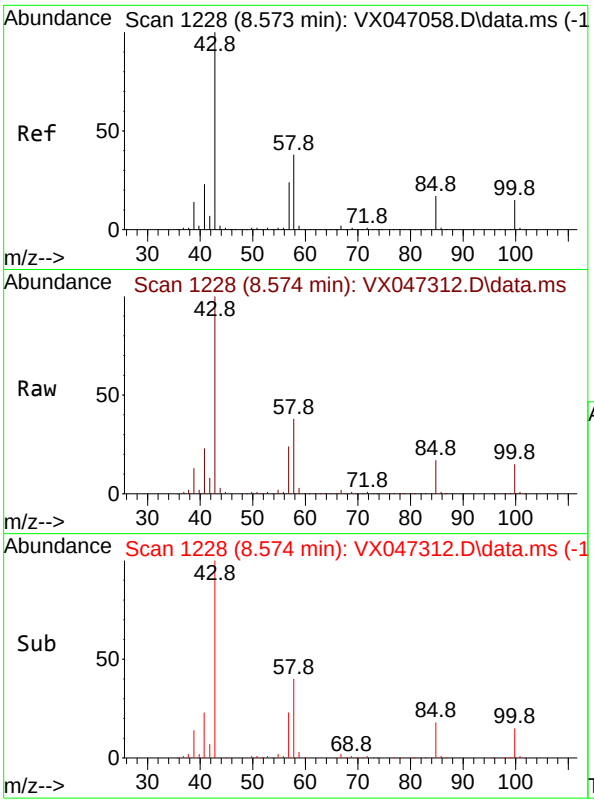


#50
Toluene-d8
Concen: 48.402 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 98 Resp: 340158

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.3	79.9



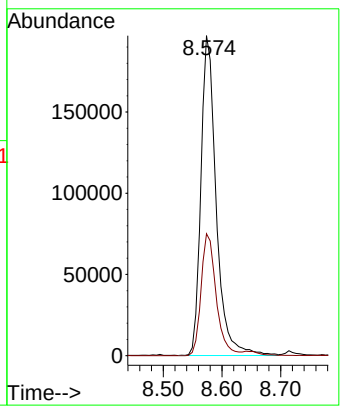


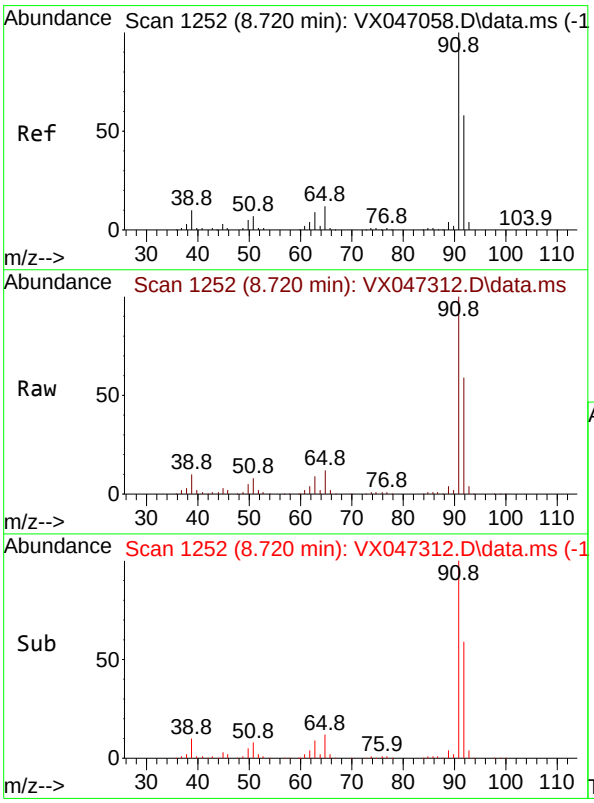
#51
4-Methyl-2-Pentanone
Concen: 112.824 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 43 Resp: 356346

Ion	Ratio	Lower	Upper
43	100		
58	37.8	30.6	45.8

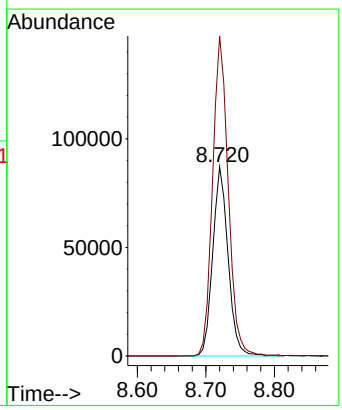


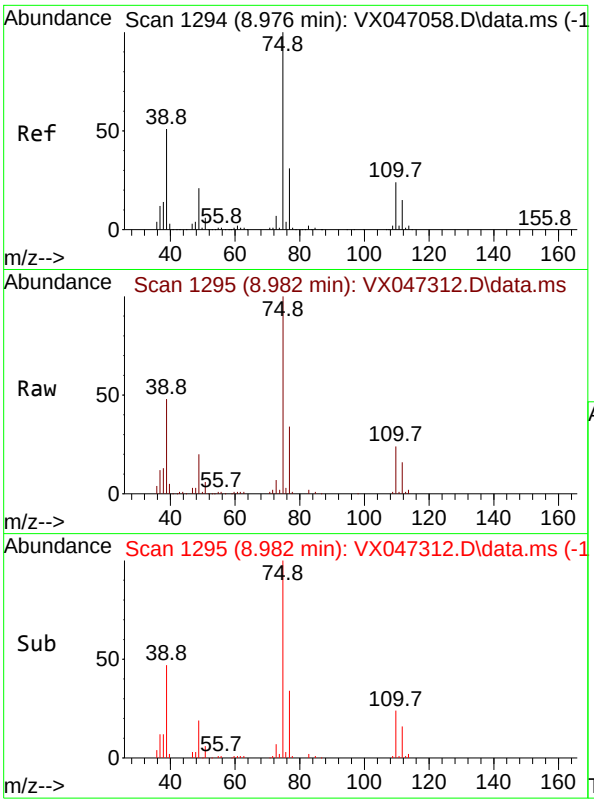


#52
Toluene
Concen: 20.566 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 92 Resp: 135372

Ion	Ratio	Lower	Upper
92	100		
91	172.2	137.9	206.9



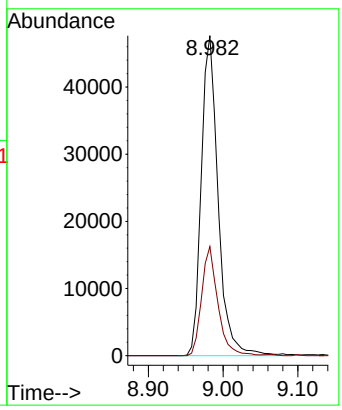


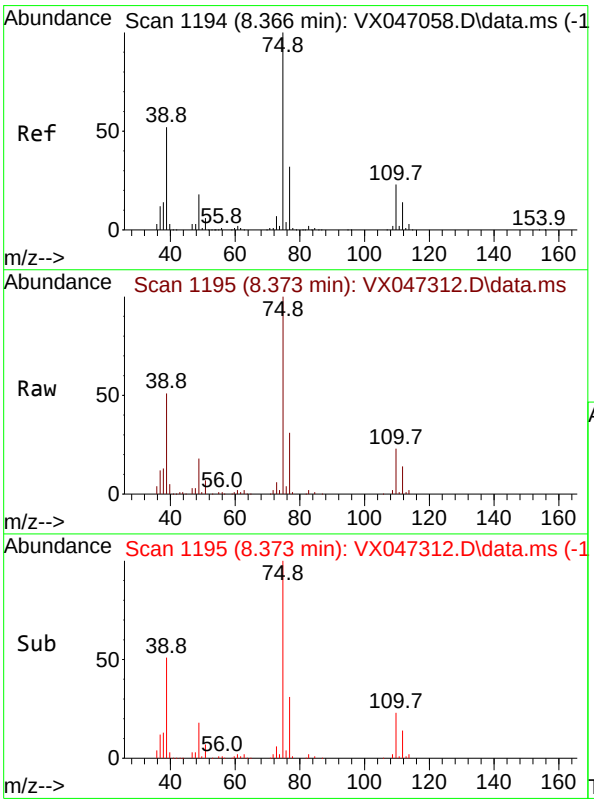
#53
t-1,3-Dichloropropene
Concen: 19.701 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 75 Resp: 74453

Ion	Ratio	Lower	Upper
75	100		
77	34.1	24.5	36.7

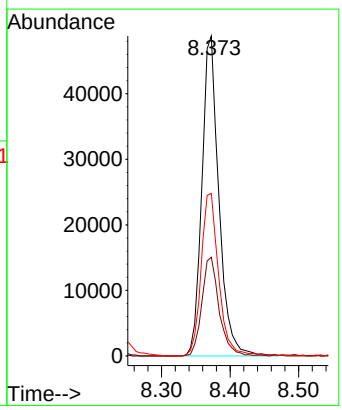


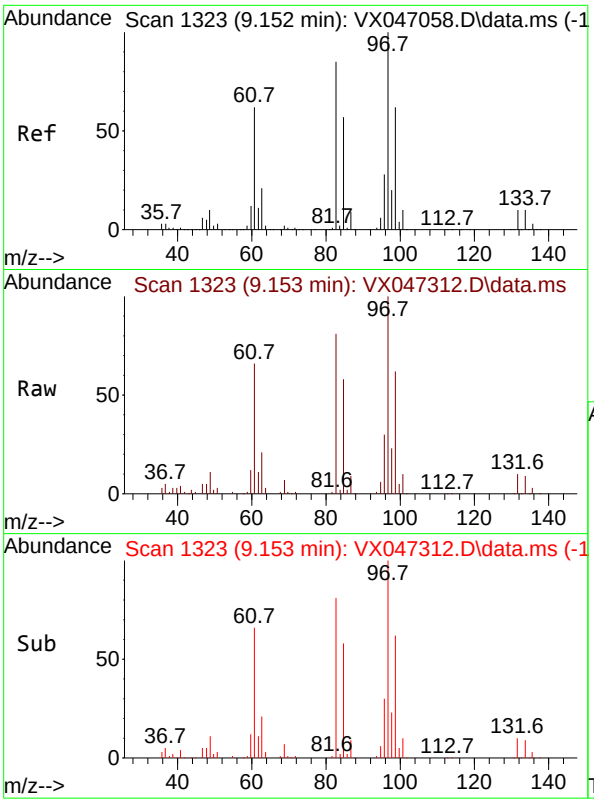


#54
cis-1,3-Dichloropropene
Concen: 20.406 ug/l
RT: 8.373 min Scan# 1195
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 75 Resp: 84401

Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.4	38.0
39	48.9	41.8	62.6



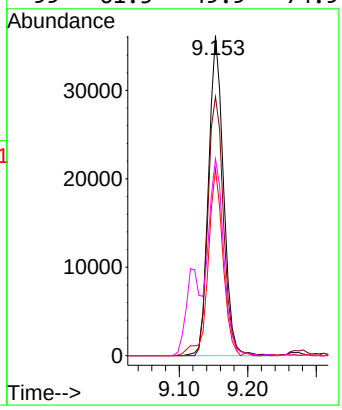


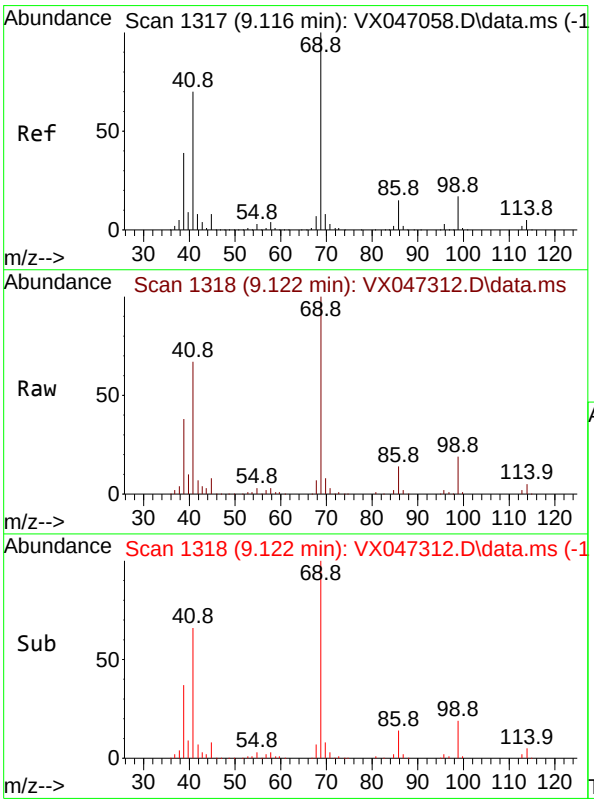
#55
1,1,2-Trichloroethane
Concen: 22.240 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 97 Resp: 54901

Ion	Ratio	Lower	Upper
97	100		
83	80.9	68.0	102.0
85	58.3	45.2	67.8
99	61.5	49.9	74.9

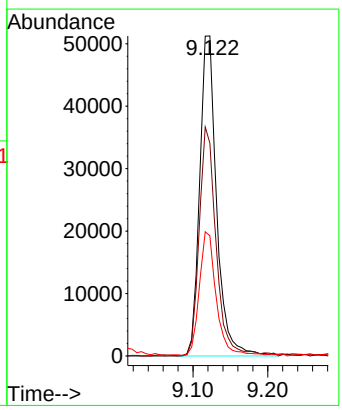


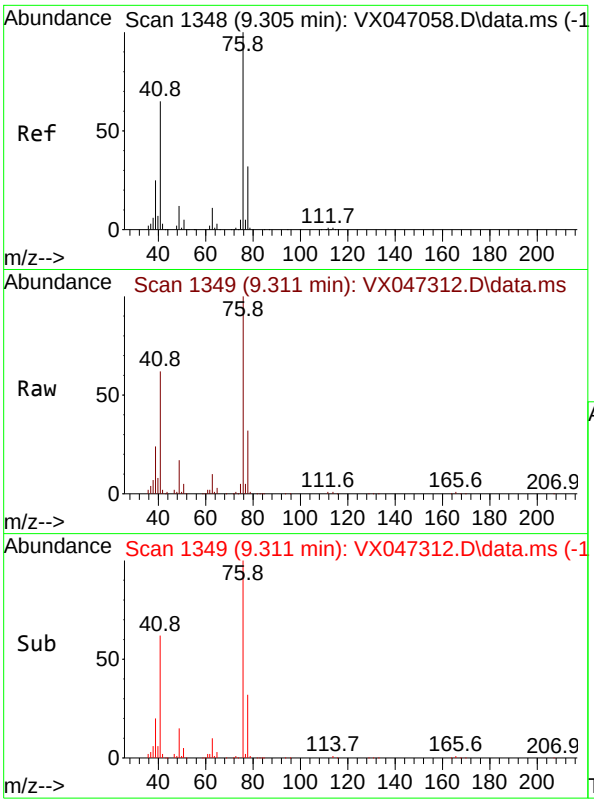


#56
Ethyl methacrylate
Concen: 22.128 ug/l
RT: 9.122 min Scan# 1318
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 69 Resp: 80865

Ion	Ratio	Lower	Upper
69	100		
41	71.9	56.1	84.1
39	39.5	31.1	46.7



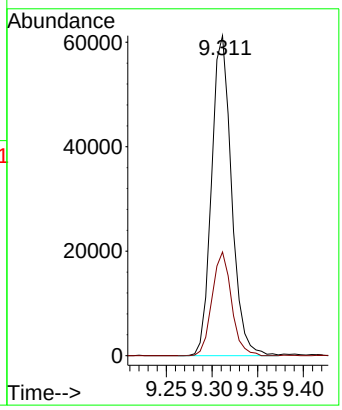


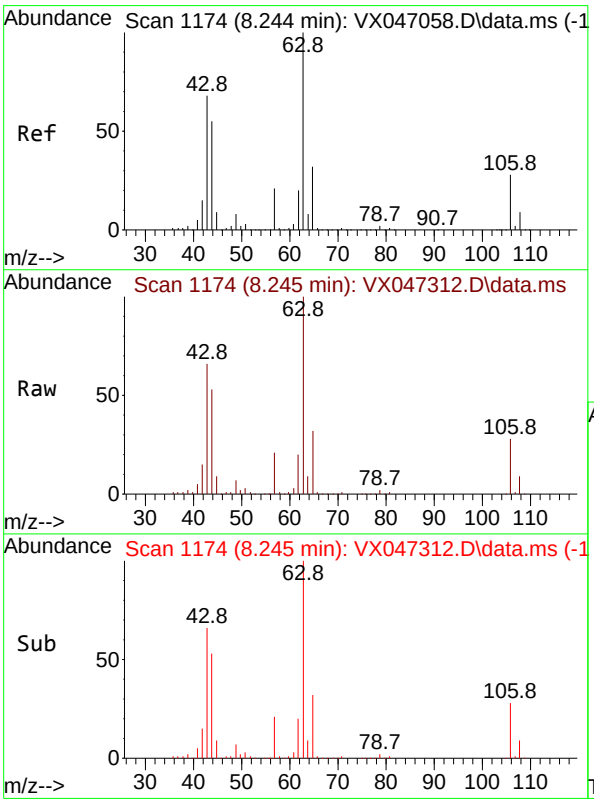
#57
1,3-Dichloropropane
Concen: 21.679 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 76 Resp: 93007

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

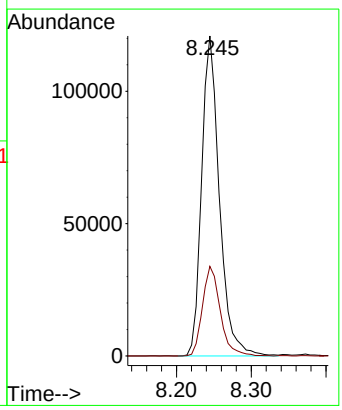


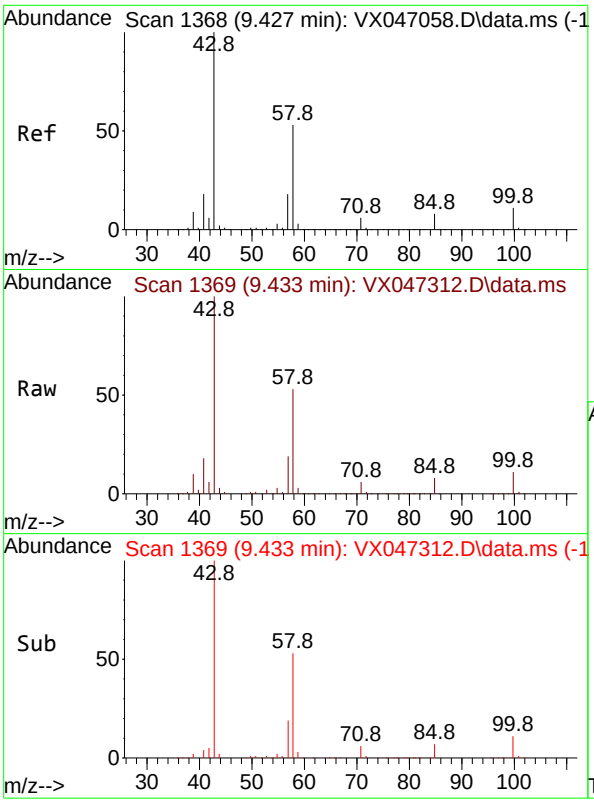


#58
2-Chloroethyl Vinyl ether
Concen: 98.129 ug/l
RT: 8.245 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 63 Resp: 199555

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.2	33.4



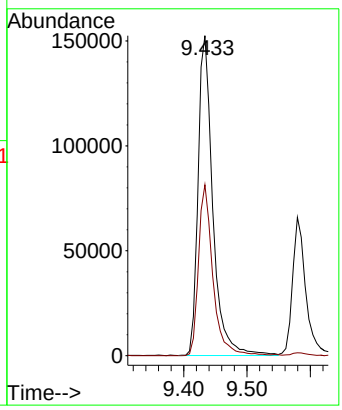


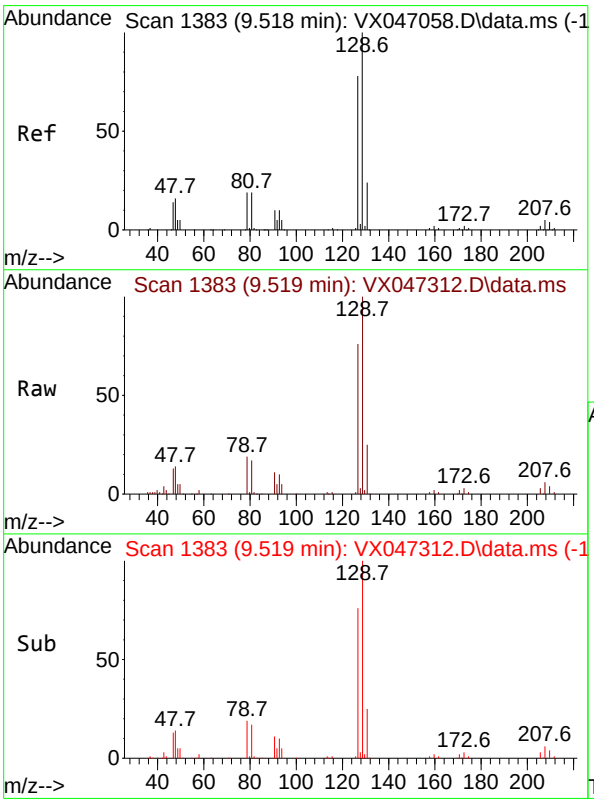
#59
2-Hexanone
Concen: 118.411 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 43 Resp: 247091

Ion	Ratio	Lower	Upper
43	100		
58	52.4	26.5	79.5

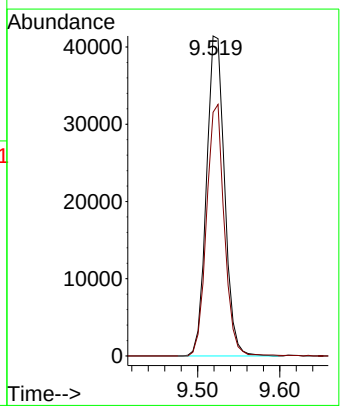


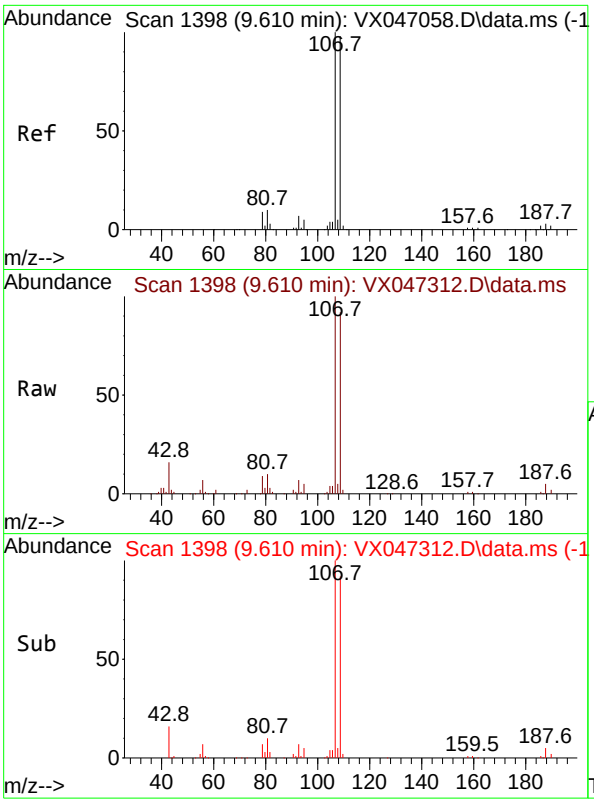


#60
Dibromochloromethane
Concen: 21.795 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:129 Resp: 63101

Ion	Ratio	Lower	Upper
129	100		
127	77.5	38.6	115.8



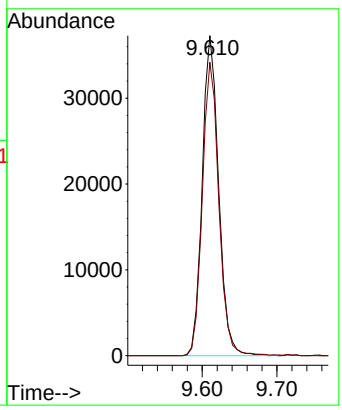


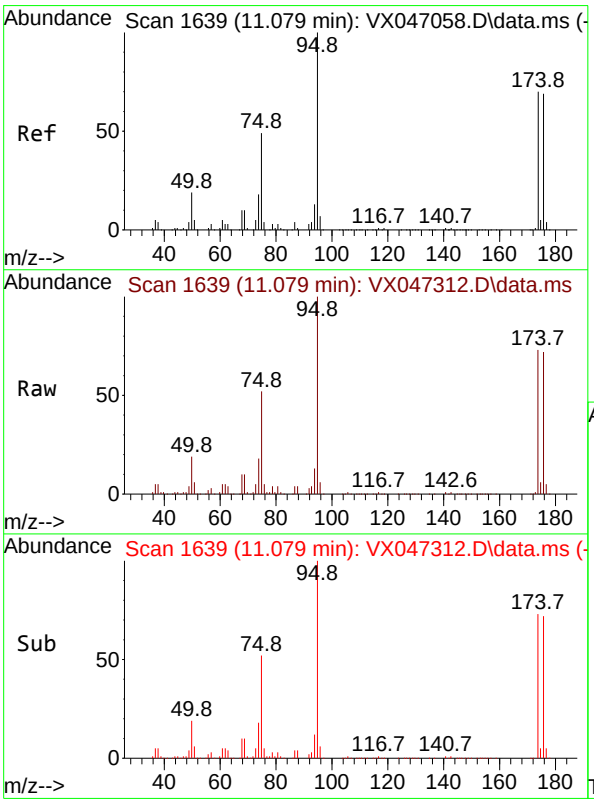
#61
1,2-Dibromoethane
Concen: 22.006 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:107 Resp: 56802

Ion	Ratio	Lower	Upper
107	100		
109	92.1	74.6	112.0

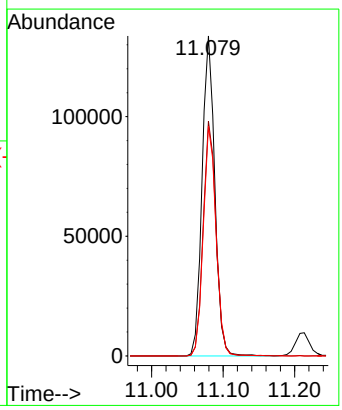


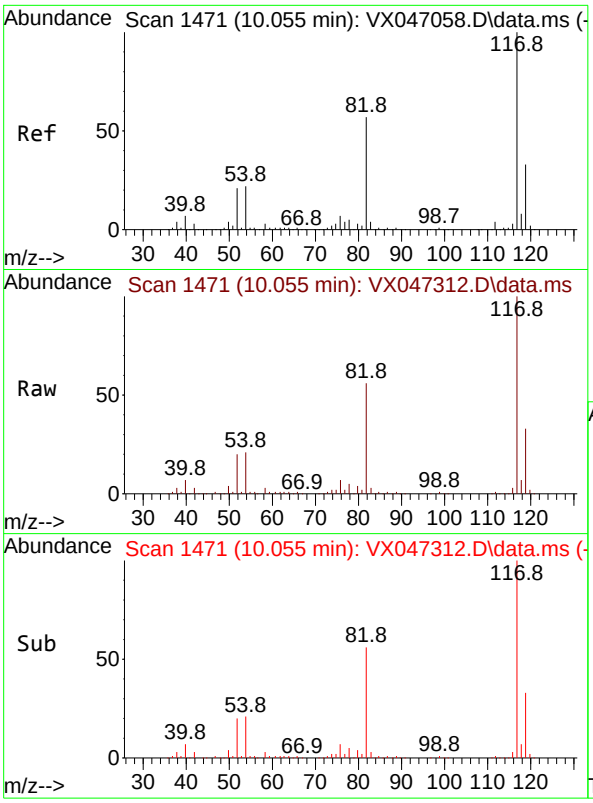


#62
4-Bromofluorobenzene
Concen: 54.374 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 95 Resp: 164675

Ion	Ratio	Lower	Upper
95	100		
174	74.3	0.0	144.6
176	72.3	0.0	139.6



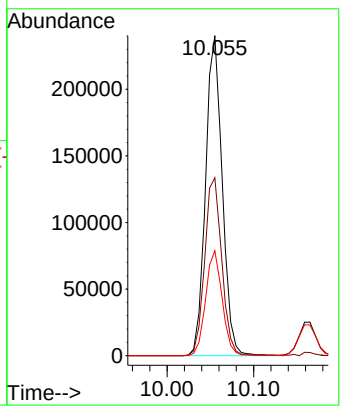


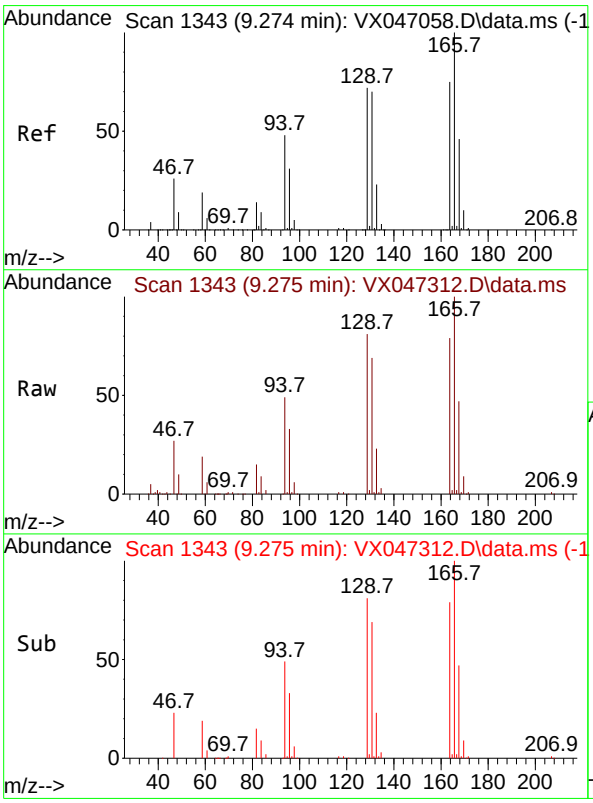
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:117 Resp: 321390

Ion	Ratio	Lower	Upper
117	100		
82	55.6	45.4	68.2
119	32.8	26.1	39.1

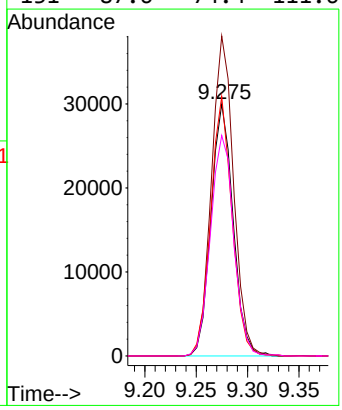


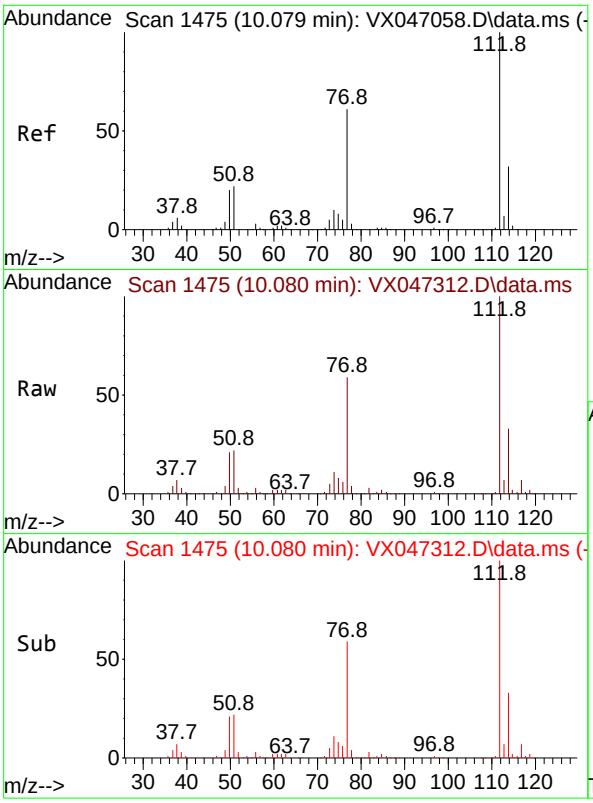


#64
Tetrachloroethene
Concen: 19.291 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:164 Resp: 44694

Ion	Ratio	Lower	Upper
164	100		
166	127.1	106.2	159.4
129	103.0	76.6	114.8
131	87.6	74.4	111.6



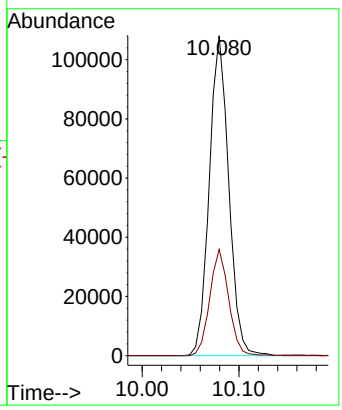


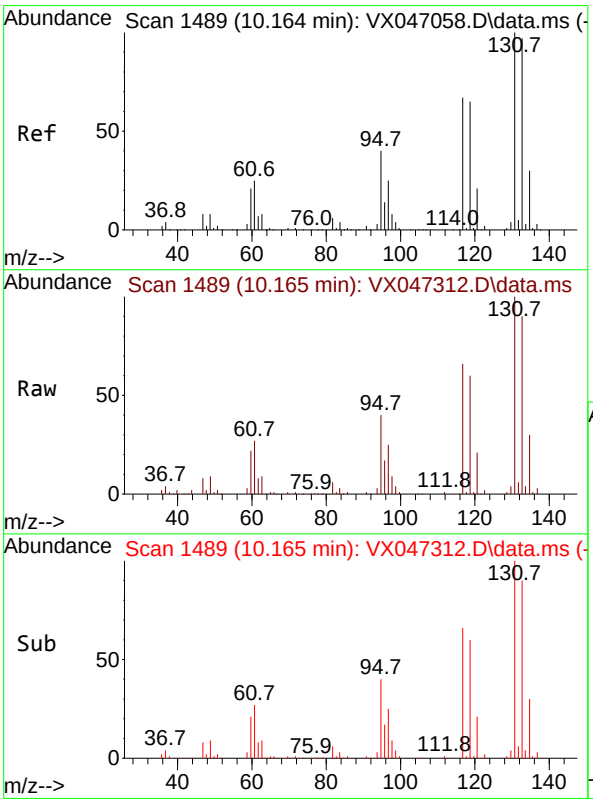
#65
Chlorobenzene
Concen: 20.093 ug/l
RT: 10.080 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:112 Resp: 151282

Ion	Ratio	Lower	Upper
112	100		
114	33.2	25.8	38.6

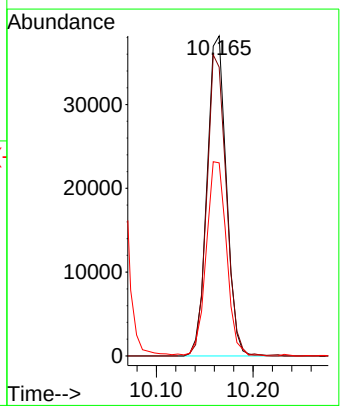


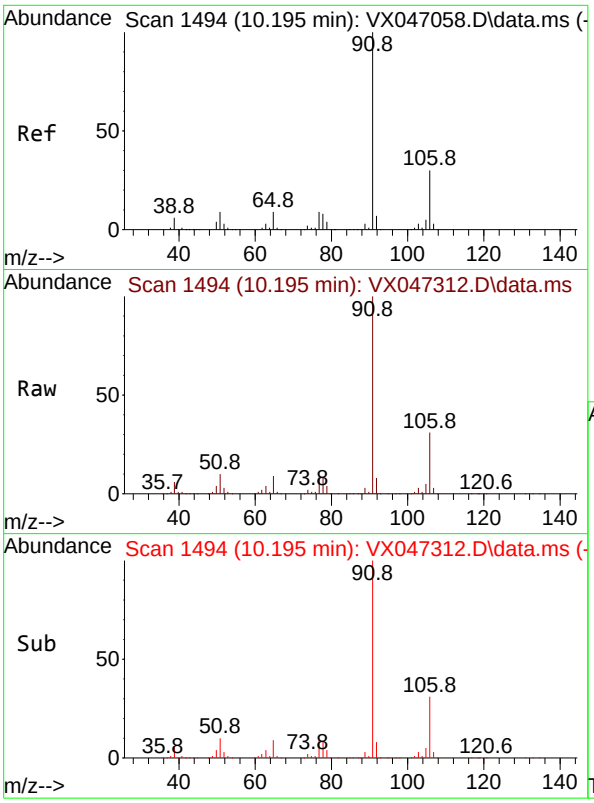


#66
1,1,1,2-Tetrachloroethane
Concen: 20.861 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:131 Resp: 52881

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.4	145.3
119	63.8	32.4	97.0



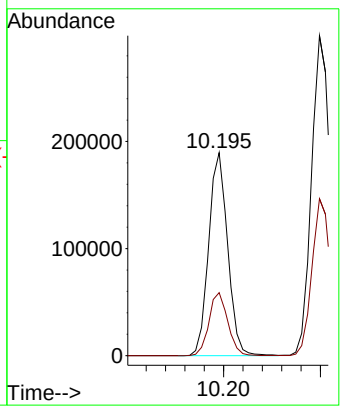


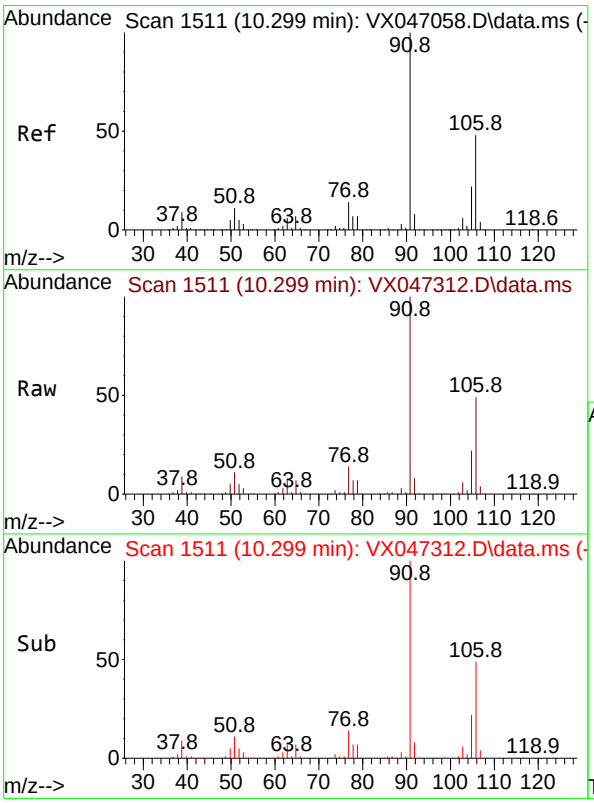
#67
Ethyl Benzene
Concen: 19.627 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 91 Resp: 258375

Ion	Ratio	Lower	Upper
91	100		
106	31.1	24.2	36.4

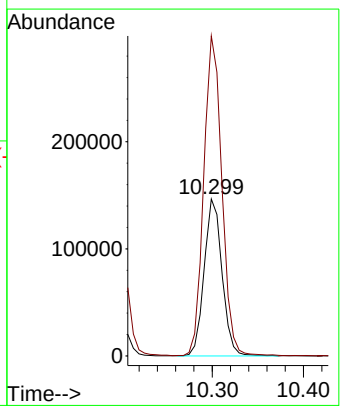


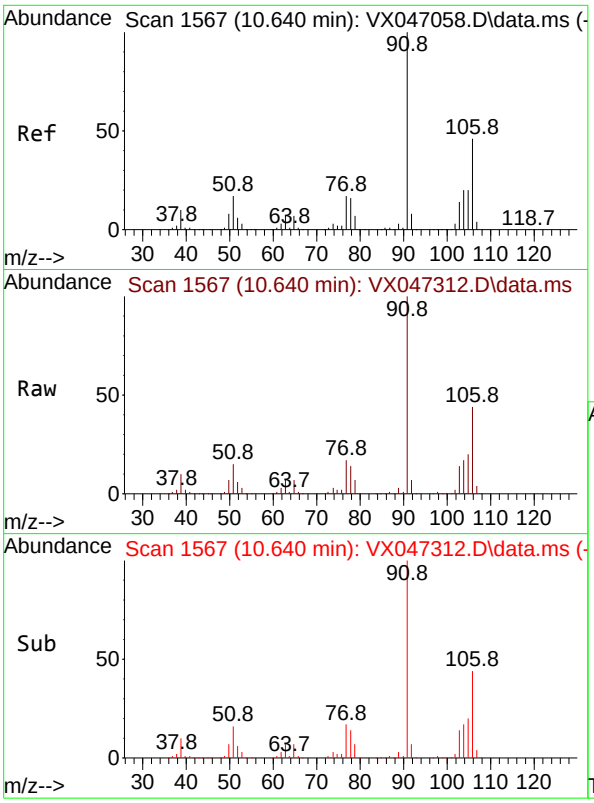


#68
m/p-Xylenes
Concen: 40.364 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:106 Resp: 198849

Ion	Ratio	Lower	Upper
106	100		
91	206.2	167.4	251.0



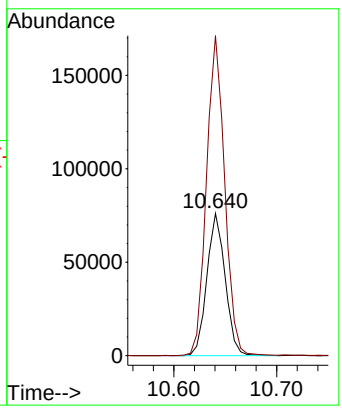


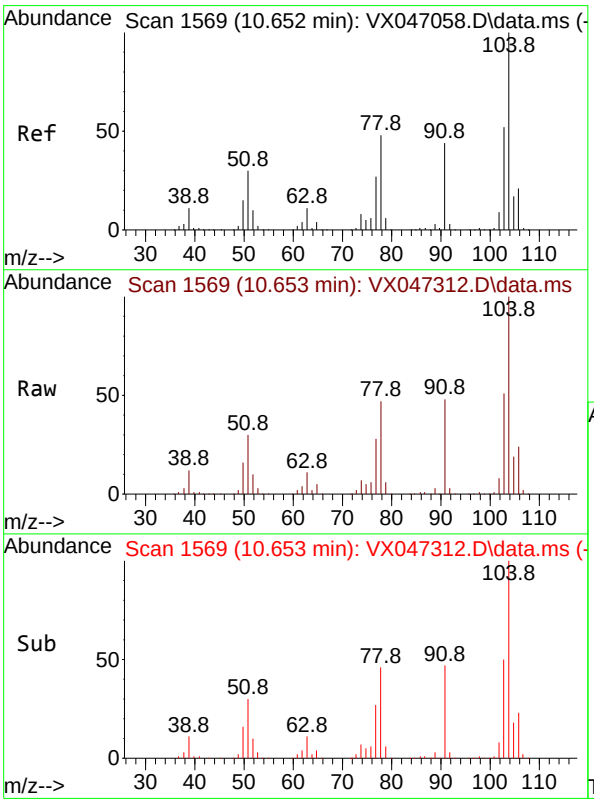
#69
o-Xylene
Concen: 20.141 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:106 Resp: 94390

Ion	Ratio	Lower	Upper
106	100		
91	223.9	110.3	331.0

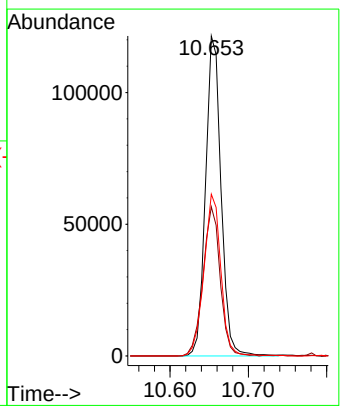


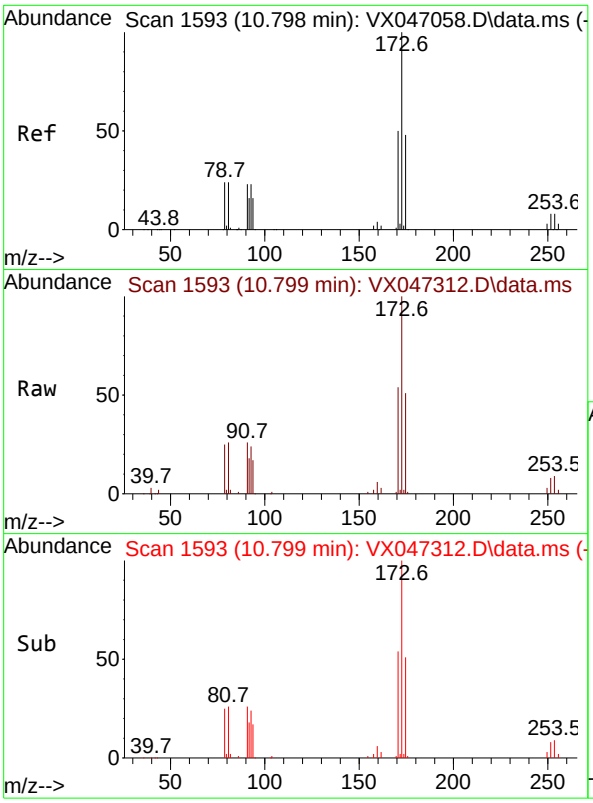


#70
Styrene
Concen: 20.739 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:104 Resp: 166666

Ion	Ratio	Lower	Upper
104	100		
78	51.6	42.0	63.0
103	55.3	43.8	65.6



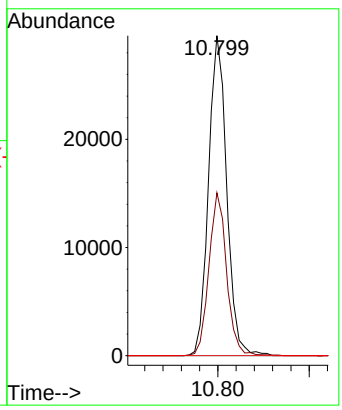


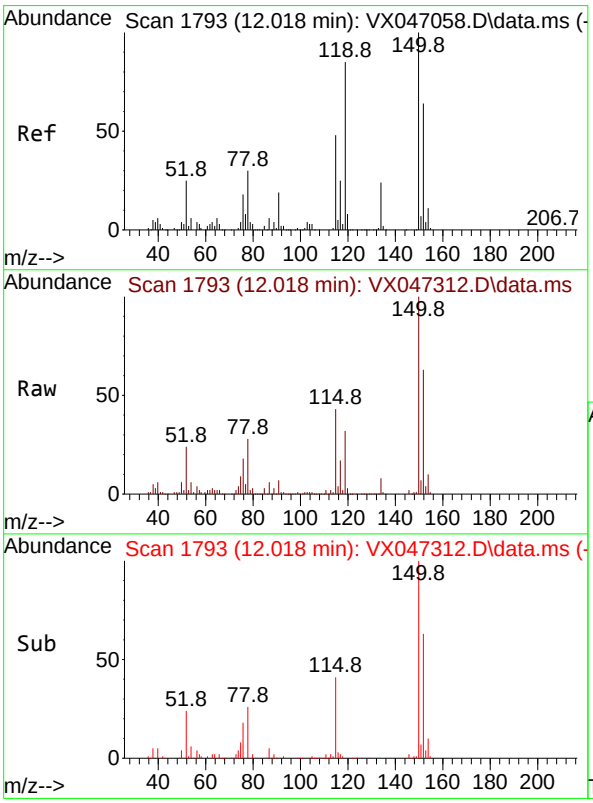
#71
Bromoform
Concen: 21.130 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:173 Resp: 40688

Ion	Ratio	Lower	Upper
173	100		
175	49.6	24.2	72.6
254	0.0	0.1	0.1#

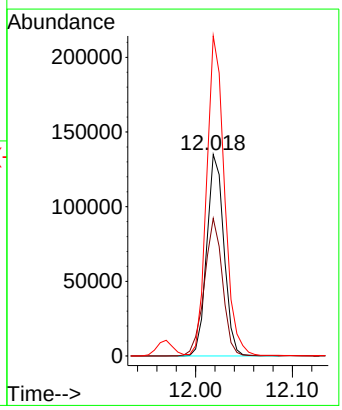


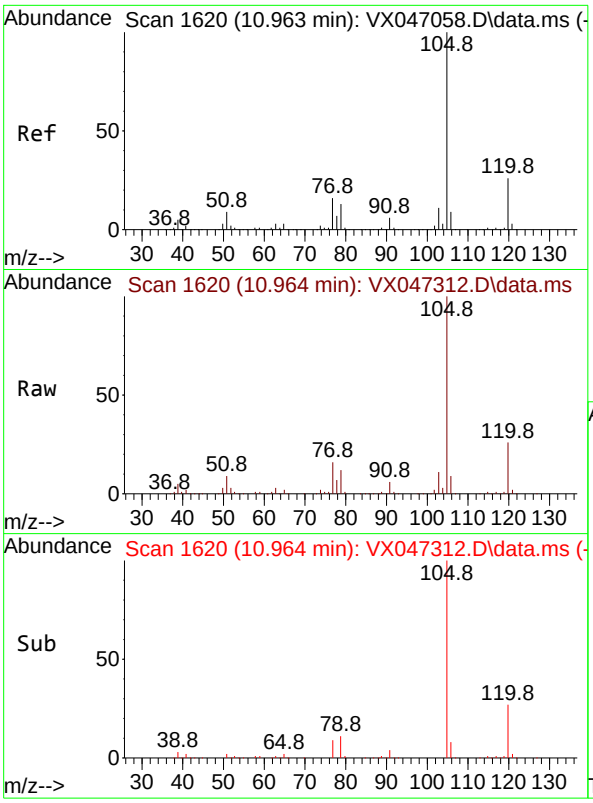


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:152 Resp: 166290

Ion	Ratio	Lower	Upper
152	100		
115	72.3	45.6	136.7
150	164.5	0.0	354.6



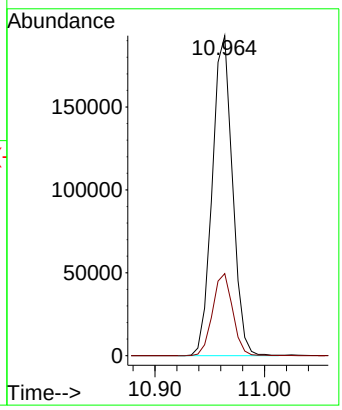


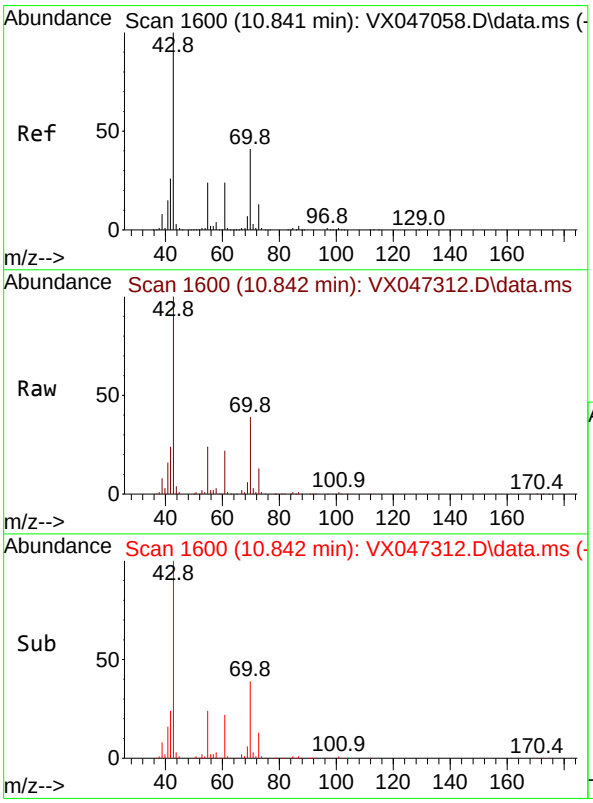
#73
Isopropylbenzene
Concen: 18.860 ug/l
RT: 10.964 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:105 Resp: 247425

Ion	Ratio	Lower	Upper
105	100		
120	25.5	12.9	38.7

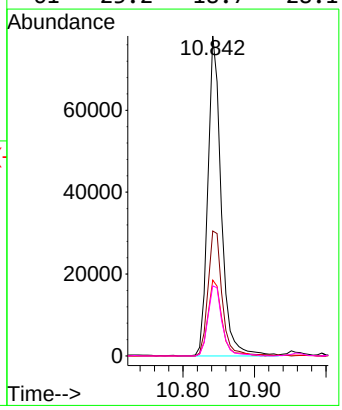


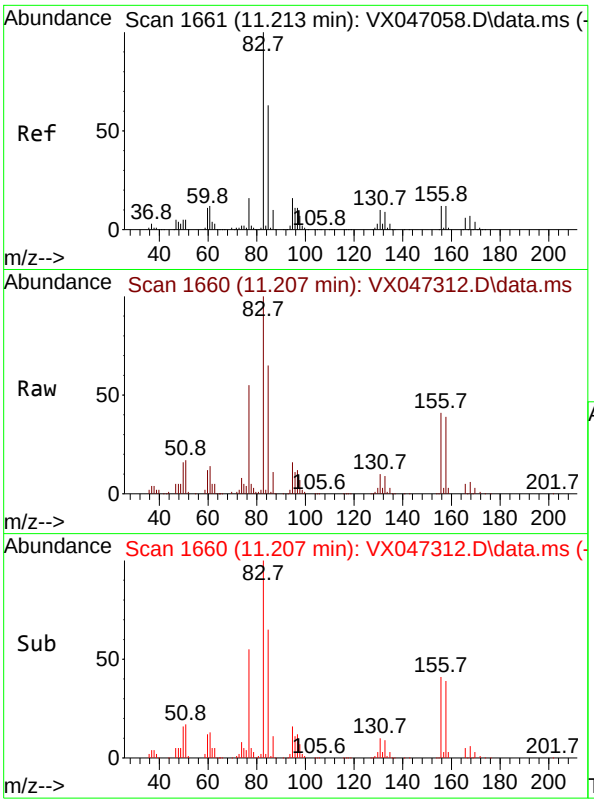


#74
N-amyl acetate
Concen: 19.236 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 43 Resp: 101822

Ion	Ratio	Lower	Upper
43	100		
70	41.3	32.3	48.5
55	24.6	18.9	28.3
61	23.2	18.7	28.1



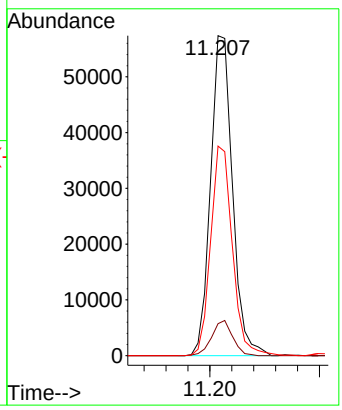


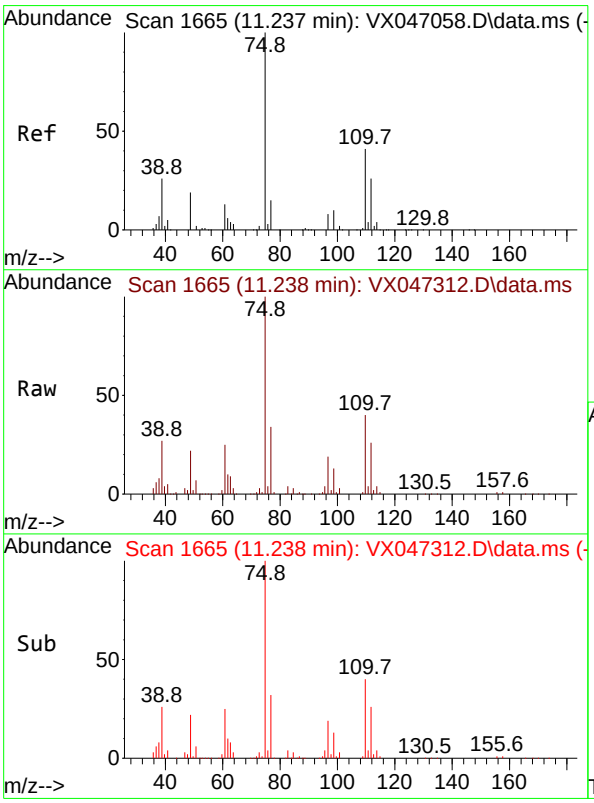
#75
1,1,2,2-Tetrachloroethane
Concen: 21.261 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 83 Resp: 79675

Ion	Ratio	Lower	Upper
83	100		
131	10.6	5.0	14.9
85	64.9	32.0	96.2

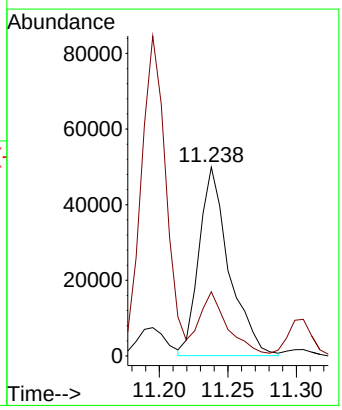


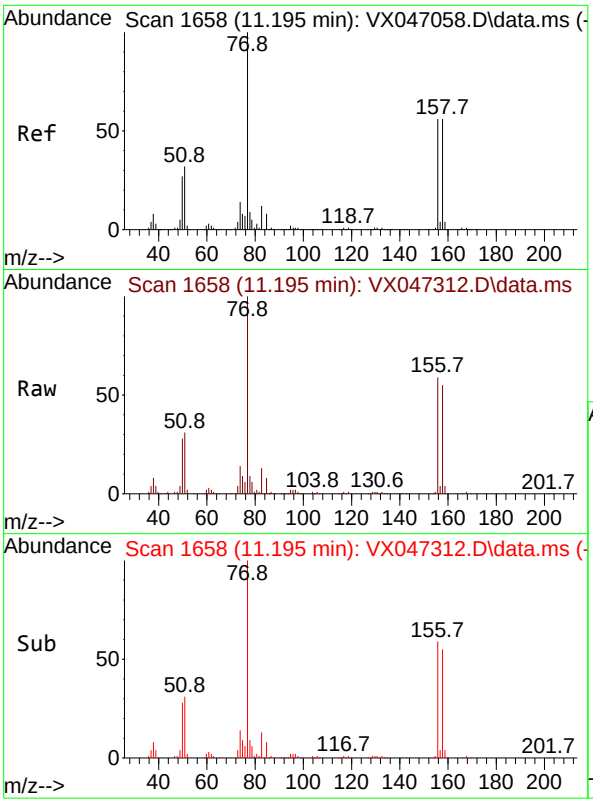


#76
1,2,3-Trichloropropane
Concen: 24.752 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 75 Resp: 76185

Ion	Ratio	Lower	Upper
75	100		
77	32.4	21.6	65.0



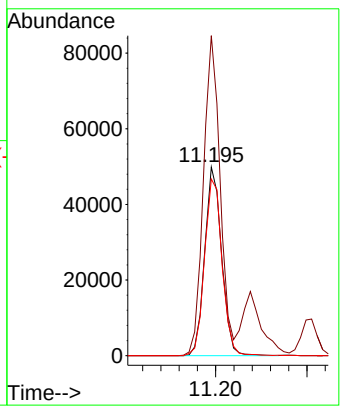


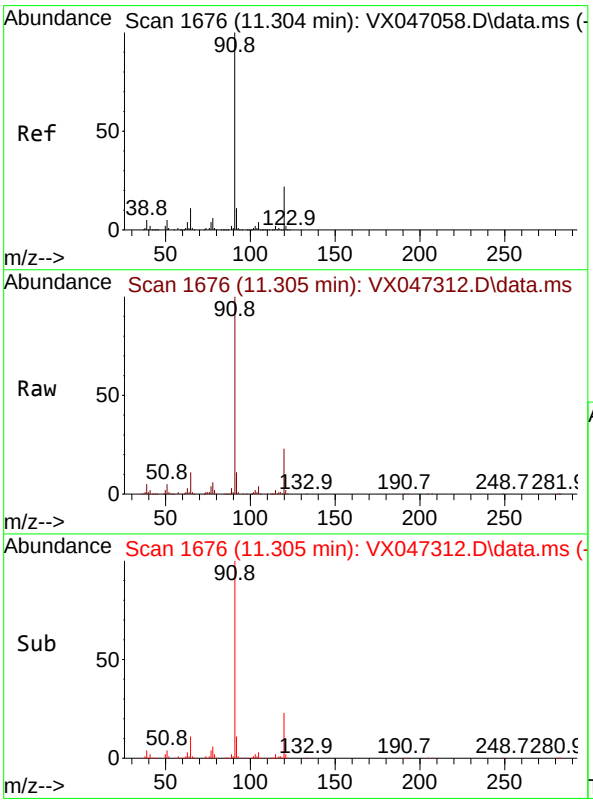
#77
Bromobenzene
Concen: 20.293 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:156 Resp: 63857

Ion	Ratio	Lower	Upper
156	100		
77	167.1	87.3	261.9
158	97.4	48.9	146.6

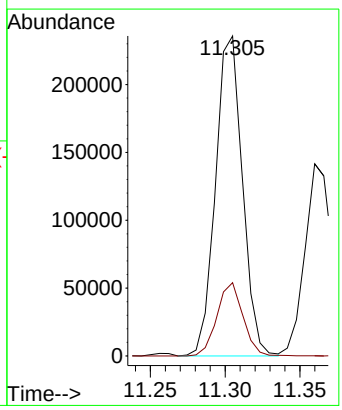


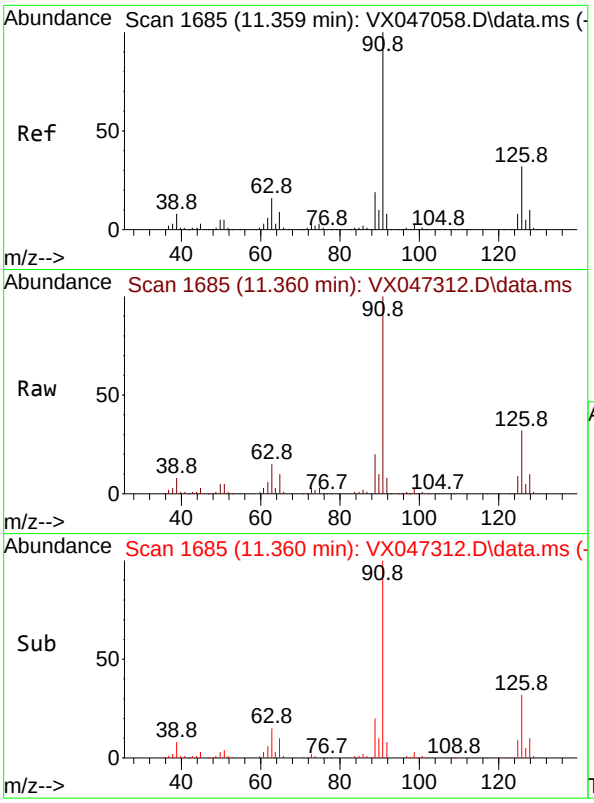


#78
n-propylbenzene
Concen: 18.808 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 91 Resp: 294861

Ion	Ratio	Lower	Upper
91	100		
120	22.2	11.0	33.0



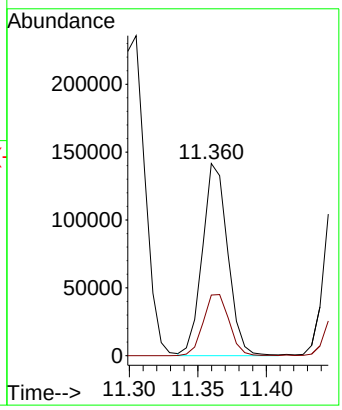


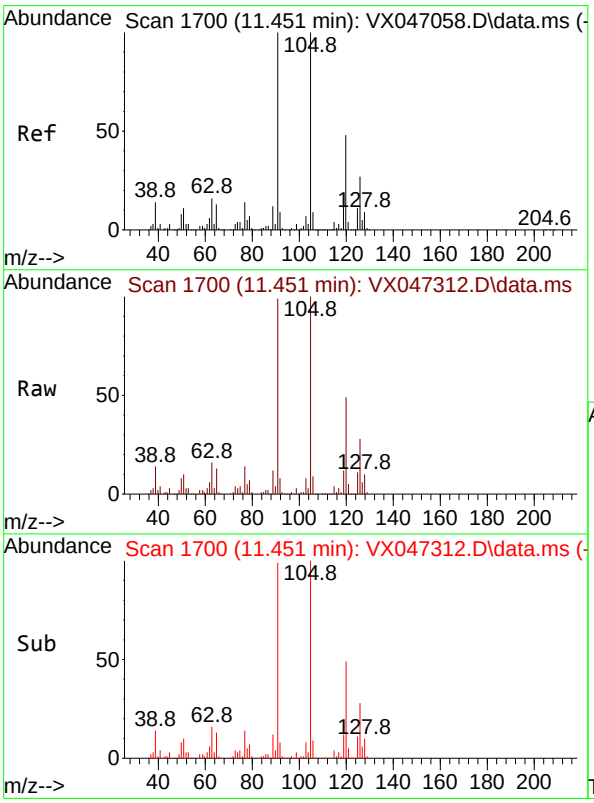
#79
2-Chlorotoluene
Concen: 19.469 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 91 Resp: 182451

Ion	Ratio	Lower	Upper
91	100		
126	32.5	16.4	49.4

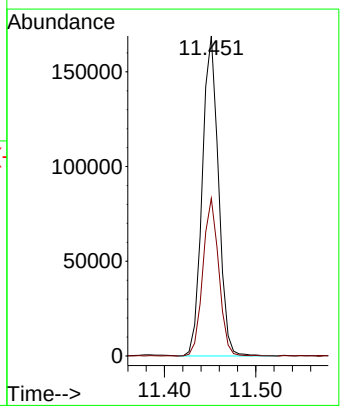


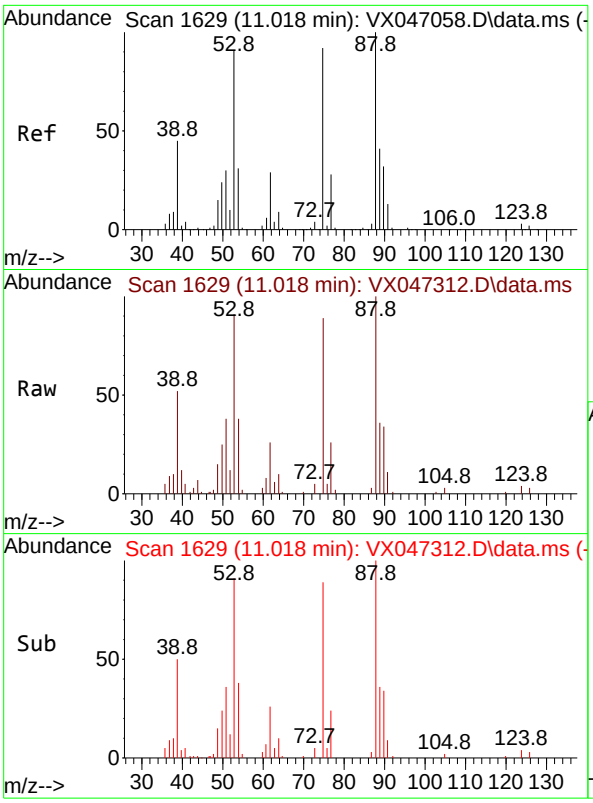


#80
1,3,5-Trimethylbenzene
Concen: 19.170 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:105 Resp: 207773

Ion	Ratio	Lower	Upper
105	100		
120	48.2	23.8	71.5



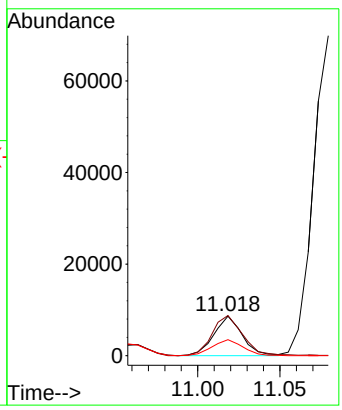


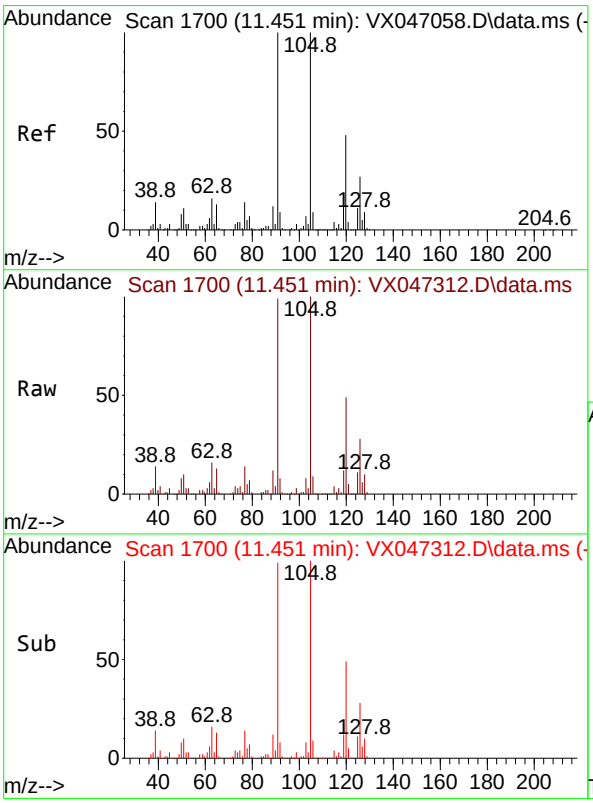
#81
trans-1,4-Dichloro-2-butene
Concen: 8.627 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 75 Resp: 10307

Ion	Ratio	Lower	Upper
75	100		
53	111.2	84.2	126.4
89	44.2	36.0	54.0

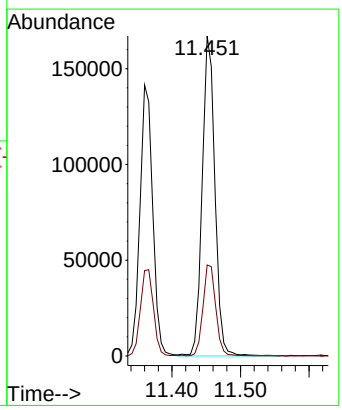


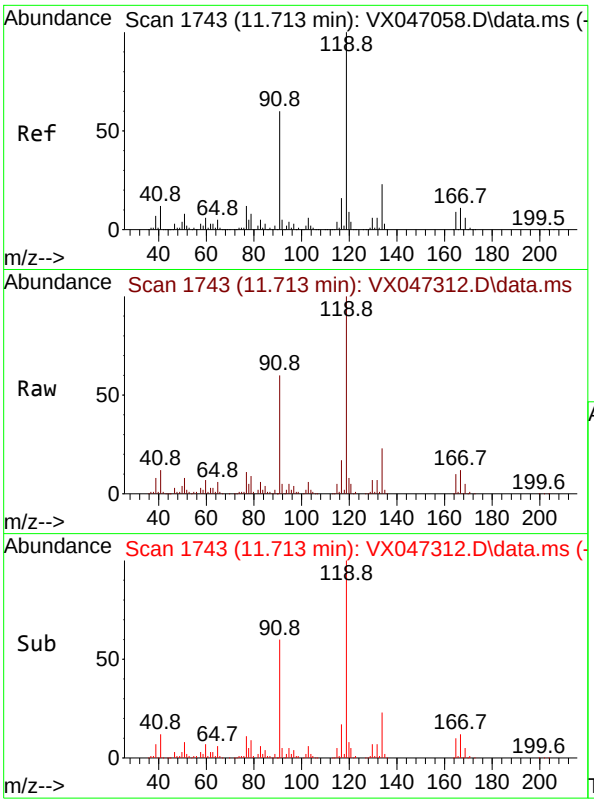


#82
4-Chlorotoluene
Concen: 19.738 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 91 Resp: 215901

Ion	Ratio	Lower	Upper
91	100		
126	28.5	14.1	42.3



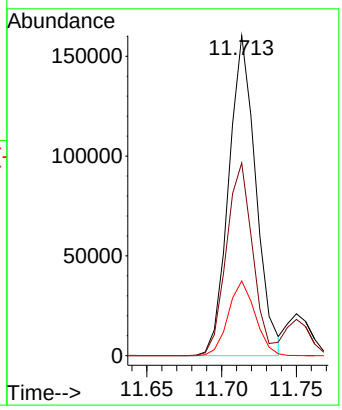


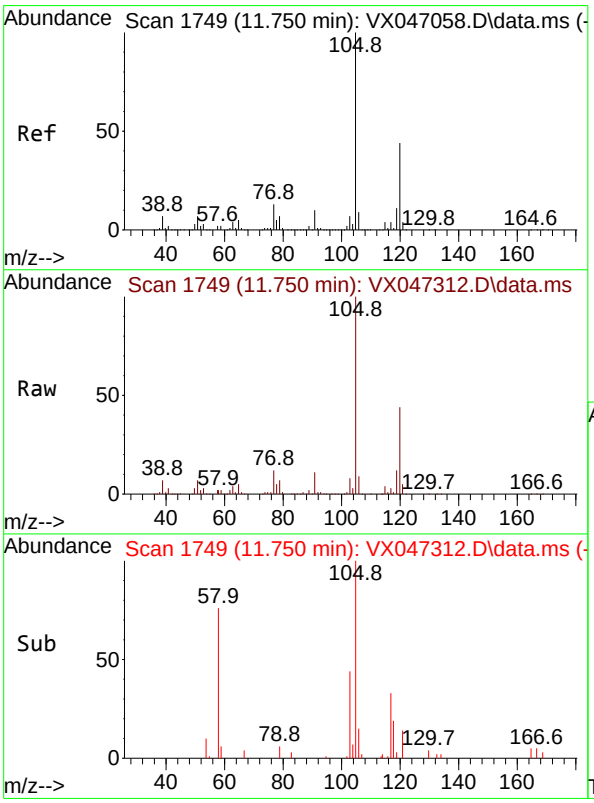
#83
tert-Butylbenzene
Concen: 18.575 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:119 Resp: 202063

Ion	Ratio	Lower	Upper
119	100		
91	59.3	29.6	88.8
134	23.2	11.4	34.1

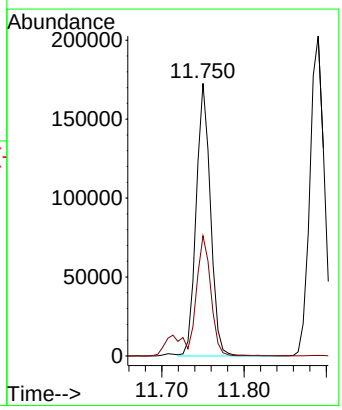


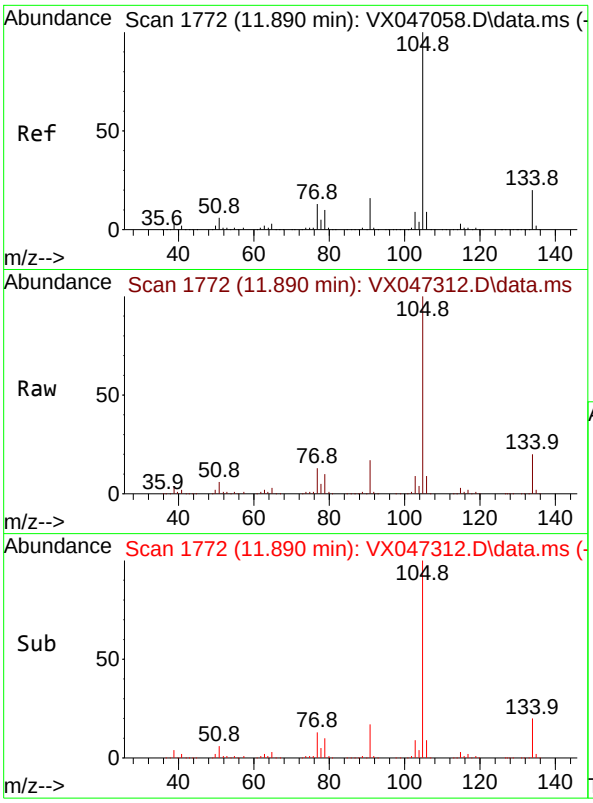


#84
1,2,4-Trimethylbenzene
Concen: 19.236 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:105 Resp: 207952

Ion	Ratio	Lower	Upper
105	100		
120	43.2	22.0	66.0



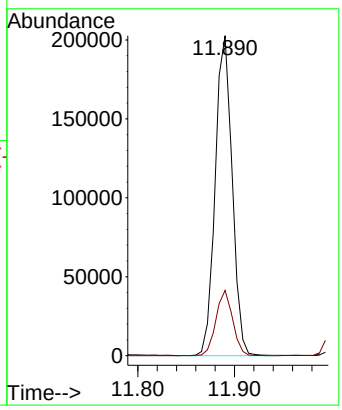


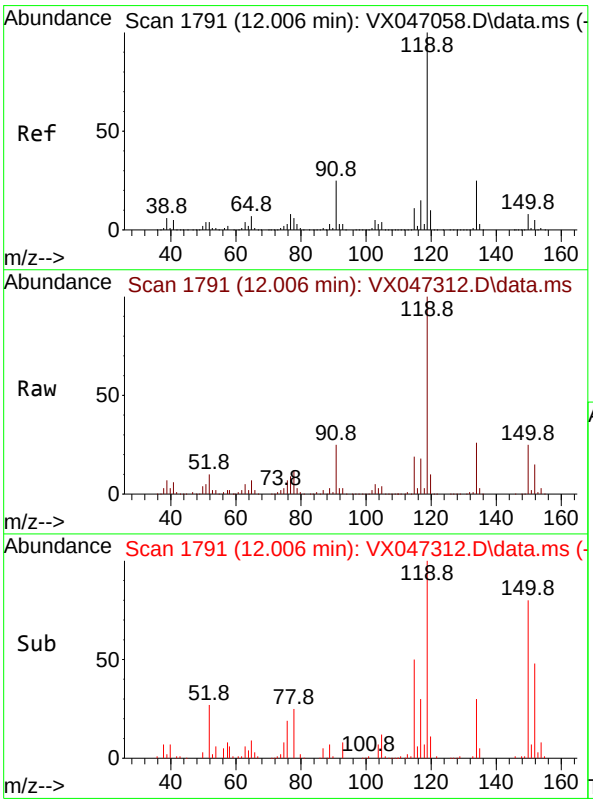
#85
sec-Butylbenzene
Concen: 18.146 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:105 Resp: 246647

Ion	Ratio	Lower	Upper
105	100		
134	20.1	9.9	29.7

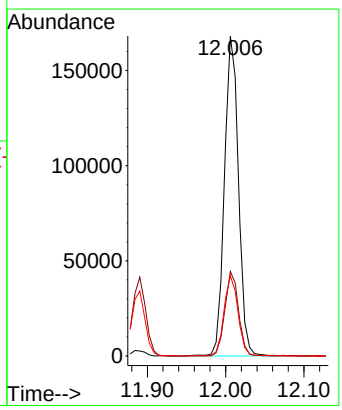


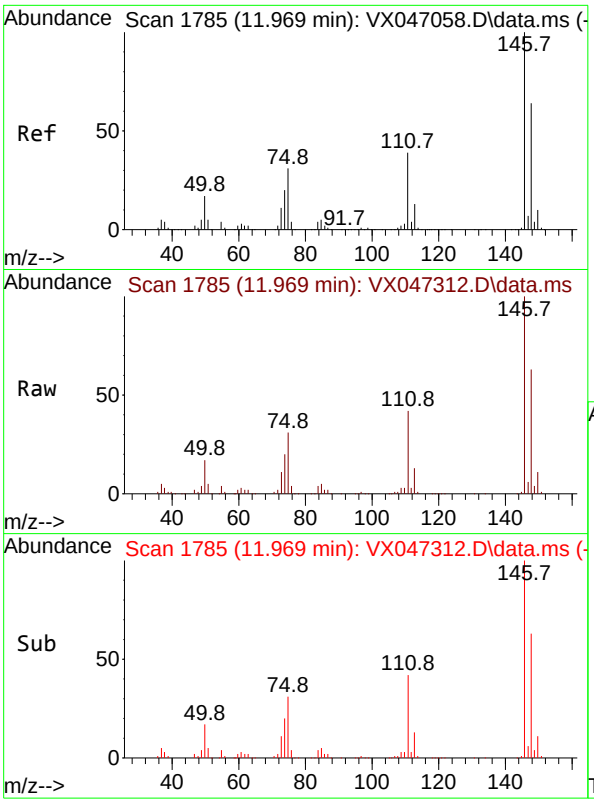


#86
p-Isopropyltoluene
Concen: 18.597 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:119 Resp: 209624

Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.8	38.4
91	24.9	12.4	37.4



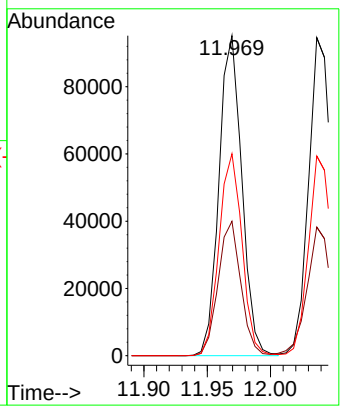


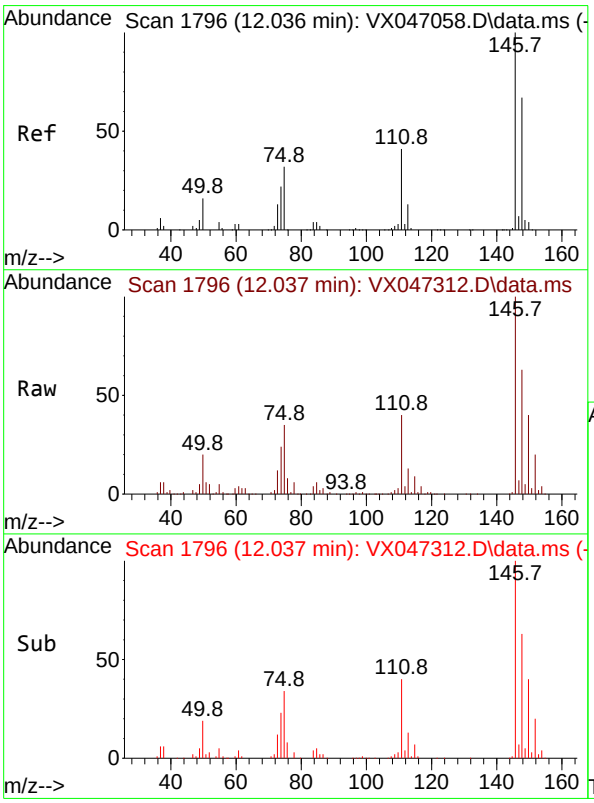
#87
1,3-Dichlorobenzene
Concen: 19.976 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:146 Resp: 119434

Ion	Ratio	Lower	Upper
146	100		
111	41.8	21.0	63.0
148	63.6	32.0	96.0

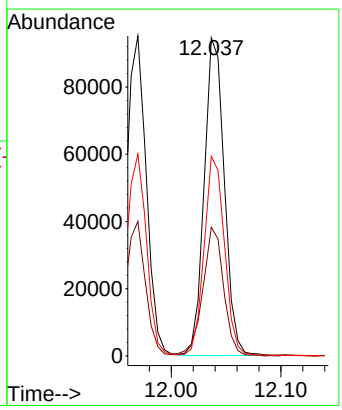


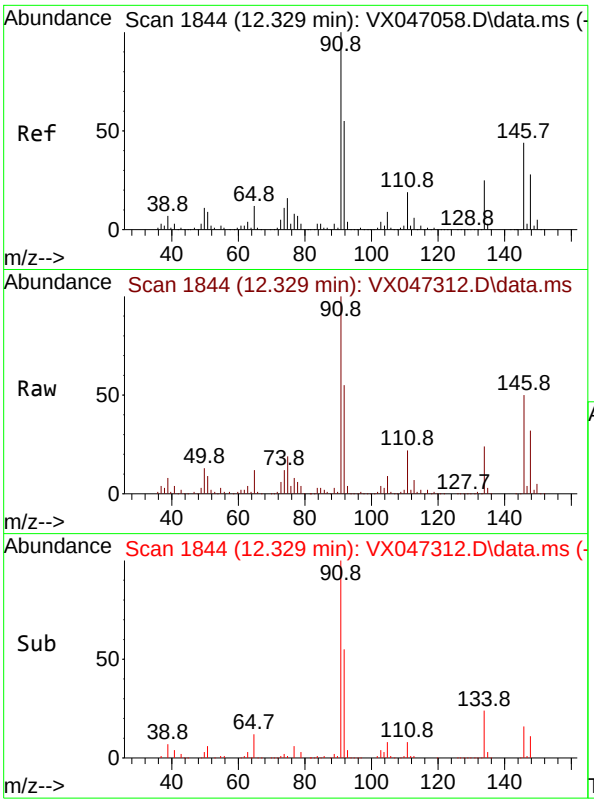


#88
1,4-Dichlorobenzene
Concen: 19.938 ug/l
RT: 12.037 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:146 Resp: 120773

Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.6	61.9
148	63.5	33.0	98.9



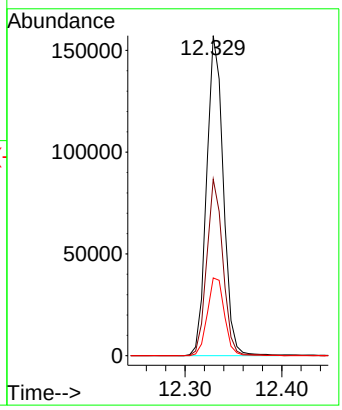


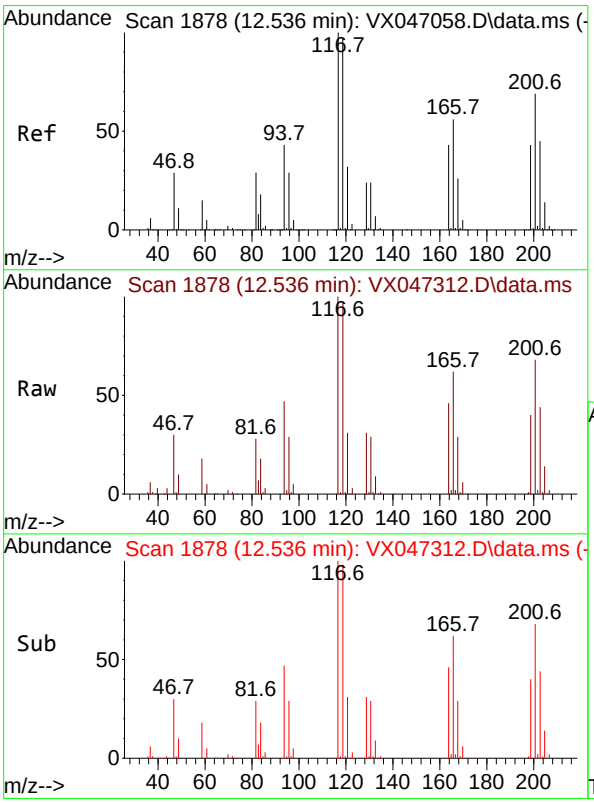
#89
n-Butylbenzene
Concen: 17.823 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion: 91 Resp: 188398

Ion	Ratio	Lower	Upper
91	100		
92	53.5	27.5	82.5
134	25.1	12.8	38.3

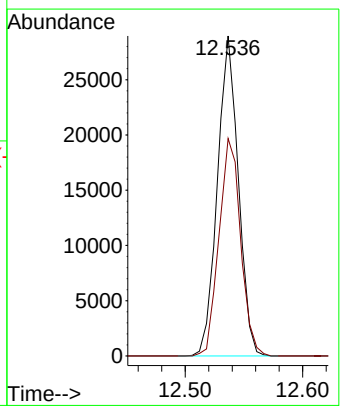


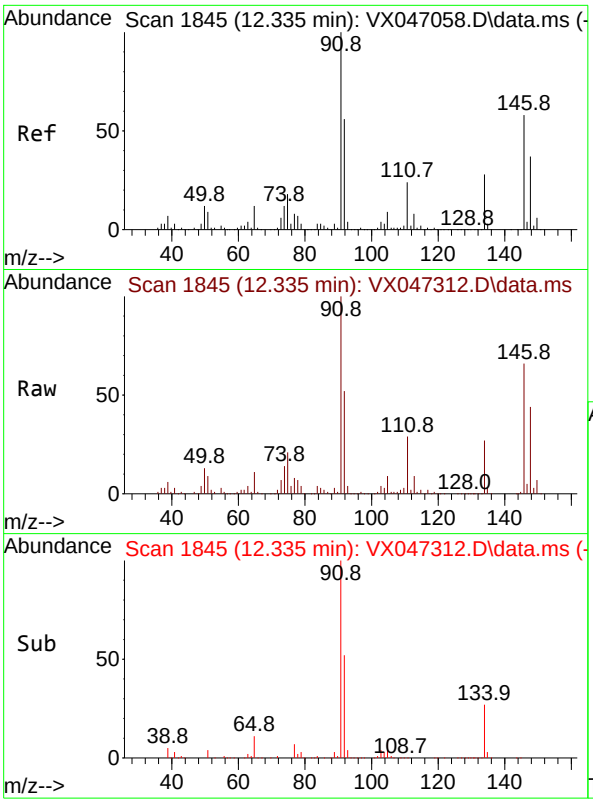


#90
Hexachloroethane
Concen: 17.786 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:117 Resp: 35864

Ion	Ratio	Lower	Upper
117	100		
201	70.3	34.8	104.5



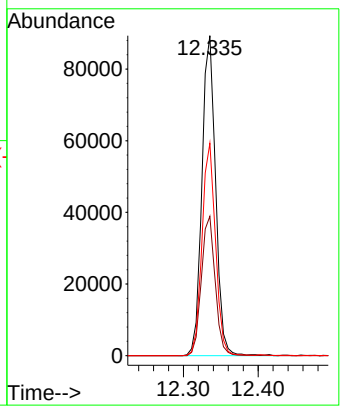


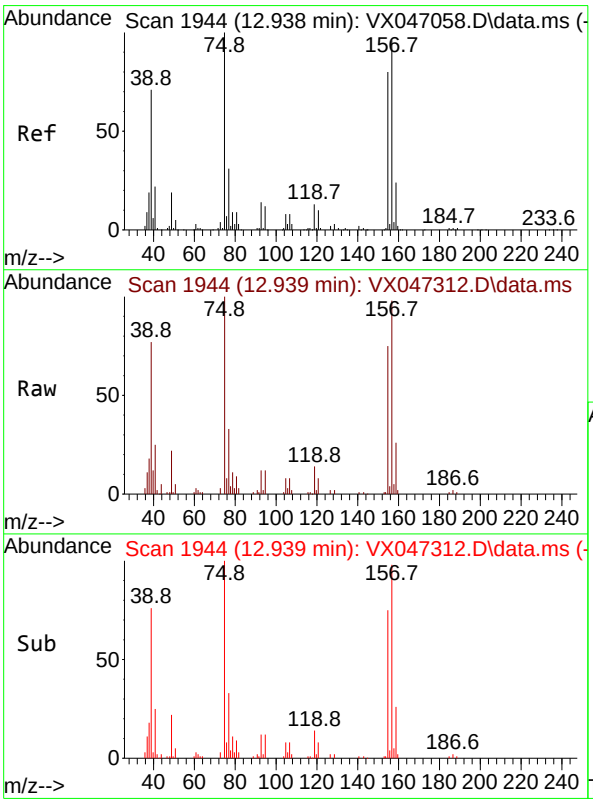
#91
1,2-Dichlorobenzene
Concen: 19.835 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:146 Resp: 113345

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	65.6	31.9	95.7

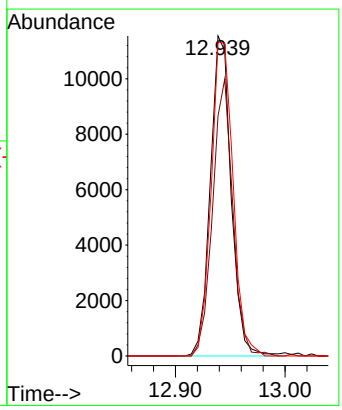


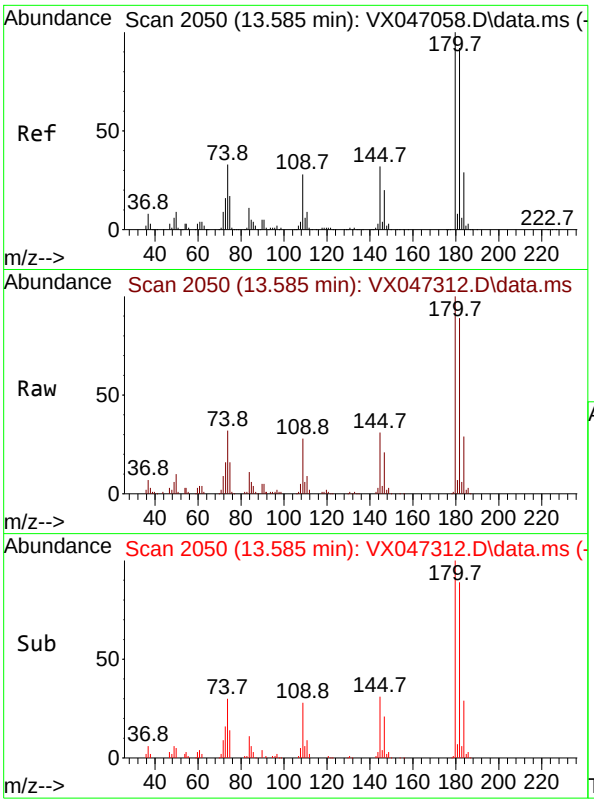


#92
1,2-Dibromo-3-Chloropropane
Concen: 21.136 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion: 75 Resp: 15204

Ion	Ratio	Lower	Upper
75	100		
155	84.2	41.3	124.1
157	103.1	52.8	158.3



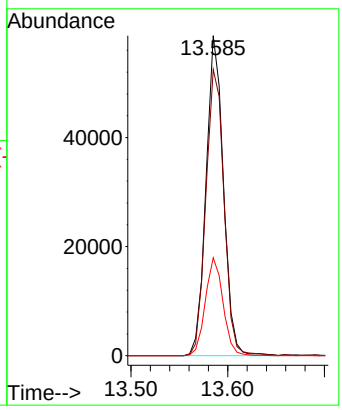


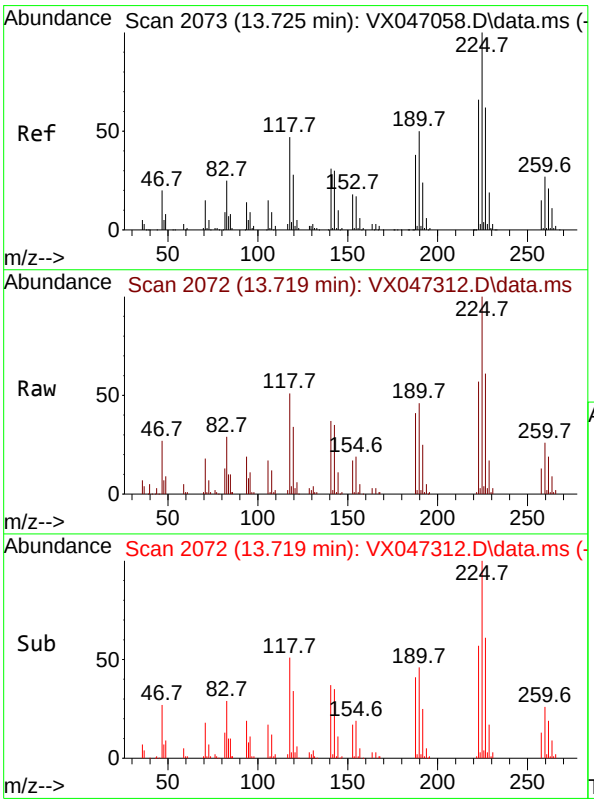
#93
1,2,4-Trichlorobenzene
Concen: 19.391 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:180 Resp: 73212

Ion	Ratio	Lower	Upper
180	100		
182	93.2	47.3	141.8
145	31.2	16.4	49.1

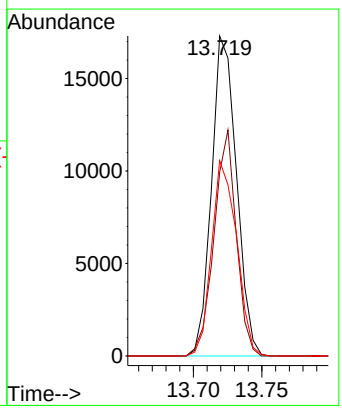


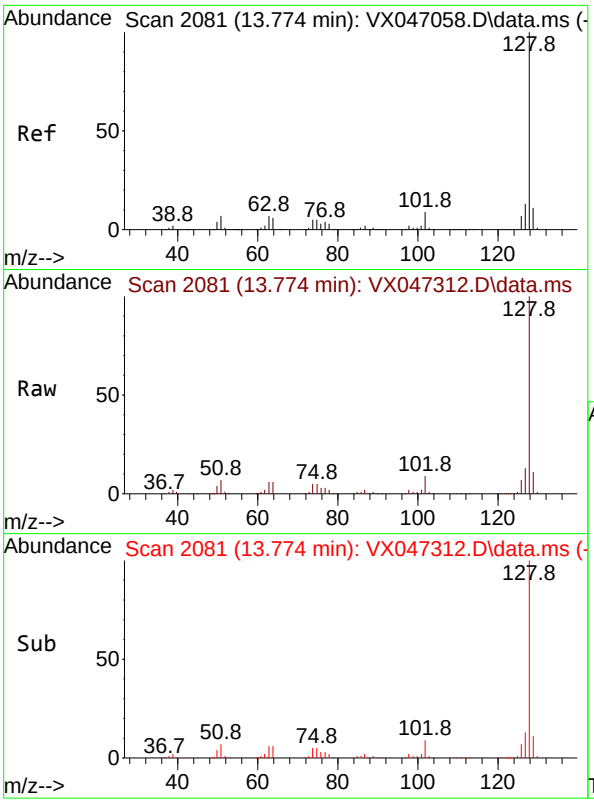


#94
Hexachlorobutadiene
Concen: 17.048 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:225 Resp: 21890

Ion	Ratio	Lower	Upper
225	100		
223	62.9	31.6	95.0
227	61.5	32.9	98.6



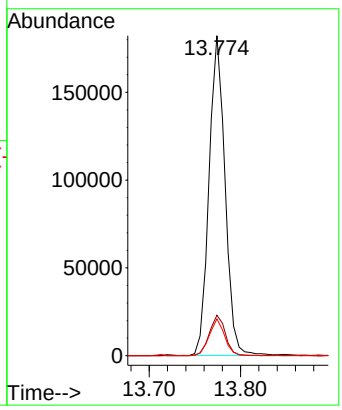


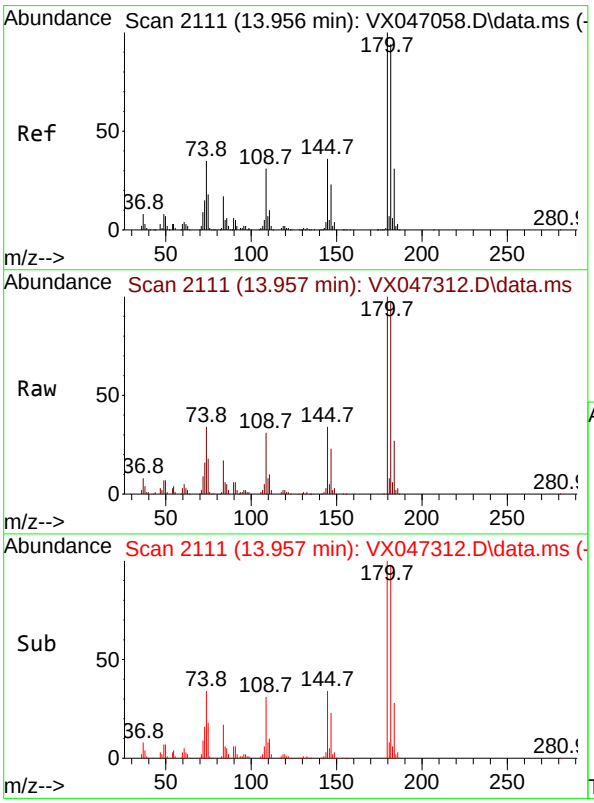
#95
Naphthalene
Concen: 19.981 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.001 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Instrument :
MSVOA_X
ClientSampleId :
VX0813WBS01

Tgt Ion:128 Resp: 221152

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	11.1	8.6	13.0

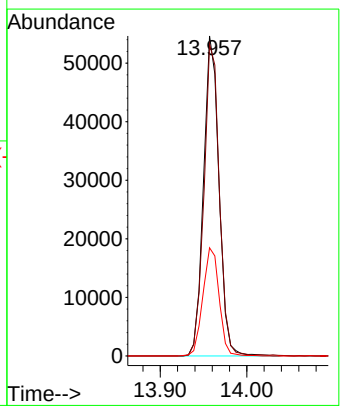




#96
1,2,3-Trichlorobenzene
Concen: 18.614 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047312.D
Acq: 13 Aug 2025 11:24

Tgt Ion:180 Resp: 67706

Ion	Ratio	Lower	Upper
180	100		
182	97.6	46.9	140.6
145	35.6	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	205236	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	362249	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	328856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	162794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	143603	56.170	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 112.340%			
35) Dibromofluoromethane	5.403	113	126007	56.338	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 112.680%			
50) Toluene-d8	8.653	98	350581	48.401	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 96.800%			
62) 4-Bromofluorobenzene	11.079	95	169988	54.458	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.920%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.184	85	134761	49.434	ug/l	97
3) Chloromethane	1.312	50	124400	46.133	ug/l	98
4) Vinyl Chloride	1.392	62	150084	51.777	ug/l	100
5) Bromomethane	1.623	94	59720	37.927	ug/l	94
6) Chloroethane	1.703	64	91875	48.258	ug/l	95
7) Trichlorofluoromethane	1.904	101	214893	49.717	ug/l	97
8) Diethyl Ether	2.148	74	84668	55.556	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.349	101	123887	47.574	ug/l	99
10) Methyl Iodide	2.471	142	204203	76.942	ug/l	100
11) Tert butyl alcohol	2.971	59	87953	296.193	ug/l	100
12) 1,1-Dichloroethene	2.337	96	130702	50.675	ug/l	99
13) Acrolein	2.251	56	131419	238.735	ug/l	100
14) Allyl chloride	2.684	41	227169	48.725	ug/l	99
15) Acrylonitrile	3.080	53	370745	304.062	ug/l	100
16) Acetone	2.392	43	295467	288.492	ug/l	99
17) Carbon Disulfide	2.532	76	357217	47.874	ug/l	100
18) Methyl Acetate	2.721	43	187953	69.057	ug/l	98
19) Methyl tert-butyl Ether	3.129	73	449689	57.288	ug/l	99
20) Methylene Chloride	2.806	84	155553	55.207	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	139920	53.013	ug/l	98
22) Diisopropyl ether	3.775	45	498100	55.568	ug/l	96
23) Vinyl Acetate	3.739	43	1952315	271.550	ug/l	100
24) 1,1-Dichloroethane	3.629	63	269276	54.022	ug/l	99
25) 2-Butanone	4.574	43	427466	286.642	ug/l	98
26) 2,2-Dichloropropane	4.495	77	119393	30.943	ug/l	97
27) cis-1,2-Dichloroethene	4.507	96	171179	54.770	ug/l	93
28) Bromochloromethane	4.915	49	130854	57.062	ug/l	98
29) Tetrahydrofuran	5.025	42	282886	293.999	ug/l	98
30) Chloroform	5.111	83	275564	54.310	ug/l	98
31) Cyclohexane	5.489	56	219791	45.987	ug/l	98
32) 1,1,1-Trichloroethane	5.397	97	228701	51.894	ug/l	99
36) 1,1-Dichloropropene	5.708	75	182035	47.746	ug/l	99
37) Ethyl Acetate	4.733	43	216655	61.671	ug/l	97
38) Carbon Tetrachloride	5.690	117	197096	48.436	ug/l	99
39) Methylcyclohexane	7.391	83	204641	42.990	ug/l	94
40) Benzene	6.049	78	576594	52.258	ug/l	100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	98648	53.704	ug/l		93
42) 1,2-Dichloroethane	6.098	62	211626	54.449	ug/l		99
43) Isopropyl Acetate	6.348	43	321876	58.771	ug/l		100
44) Trichloroethene	7.135	130	143842	50.839	ug/l		99
45) 1,2-Dichloropropane	7.439	63	148168	53.617	ug/l		97
46) Dibromomethane	7.586	93	109285	56.394	ug/l		99
47) Bromodichloromethane	7.824	83	221607	53.726	ug/l		96
48) Methyl methacrylate	7.695	41	166691	55.869	ug/l		99
49) 1,4-Dioxane	7.677	88	37215	1096.675	ug/l		99
51) 4-Methyl-2-Pentanone	8.573	43	971754	298.510	ug/l		99
52) Toluene	8.720	92	358851	52.894	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	190007	48.781	ug/l		98
54) cis-1,3-Dichloropropene	8.372	75	208919	49.007	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	143591	56.437	ug/l		98
56) Ethyl methacrylate	9.116	69	226969	60.258	ug/l		98
57) 1,3-Dichloropropane	9.311	76	241487	54.612	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	520399	248.283	ug/l		100
59) 2-Hexanone	9.433	43	682075	317.134	ug/l		100
60) Dibromochloromethane	9.524	129	166965	55.953	ug/l		99
61) 1,2-Dibromoethane	9.610	107	146279	54.984	ug/l		97
64) Tetrachloroethene	9.274	164	144828	61.091	ug/l		97
65) Chlorobenzene	10.079	112	398565	51.735	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	138574	53.426	ug/l		99
67) Ethyl Benzene	10.195	91	682645	50.679	ug/l		99
68) m/p-Xylenes	10.299	106	510341	101.242	ug/l		99
69) o-Xylene	10.640	106	250637	52.266	ug/l		99
70) Styrene	10.652	104	437969	53.262	ug/l		99
71) Bromoform	10.799	173	110290	55.976	ug/l	#	99
73) Isopropylbenzene	10.963	105	638868	49.743	ug/l		100
74) N-amyl acetate	10.841	43	276966	53.447	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.213	83	204903	55.852	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	185742	61.642	ug/l		84
77) Bromobenzene	11.195	156	162977	52.905	ug/l		98
78) n-propylbenzene	11.305	91	759407	49.480	ug/l		100
79) 2-Chlorotoluene	11.366	91	464143	50.591	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	535382	50.457	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	23329	19.947	ug/l		98
82) 4-Chlorotoluene	11.451	91	547556	51.133	ug/l		99
83) tert-Butylbenzene	11.713	119	497590	46.723	ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	541887	51.202	ug/l		100
85) sec-Butylbenzene	11.890	105	642655	48.296	ug/l		99
86) p-Isopropyltoluene	12.006	119	539743	48.913	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	300174	51.283	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	302162	50.953	ug/l		98
89) n-Butylbenzene	12.329	91	491481	47.494	ug/l		98
90) Hexachloroethane	12.536	117	94390	47.815	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	289391	51.730	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.938	75	41702	59.218	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	186188	50.374	ug/l		99
94) Hexachlorobutadiene	13.725	225	58740	46.730	ug/l		98
95) Naphthalene	13.774	128	624659	57.649	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	183699	51.589	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

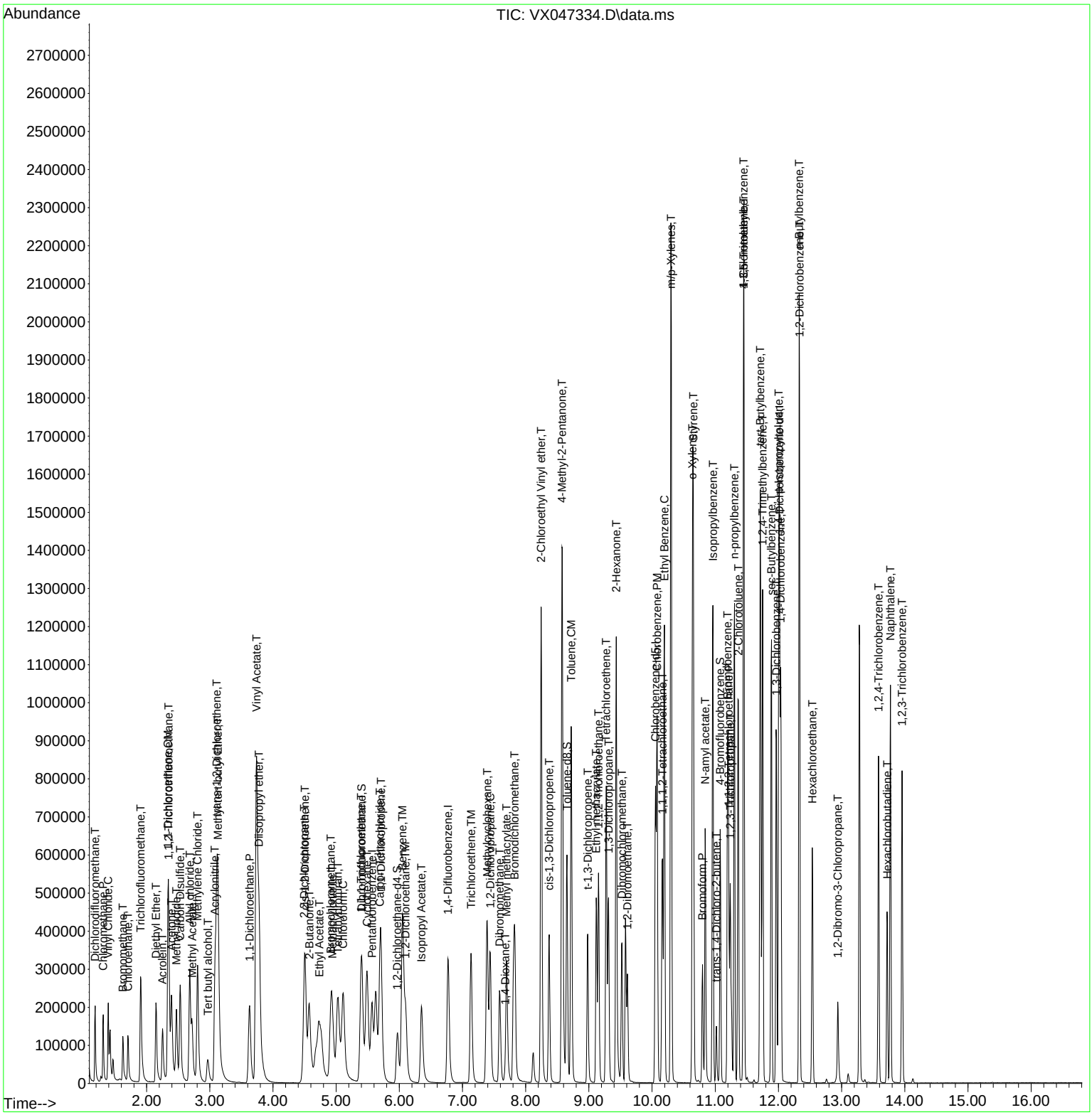
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

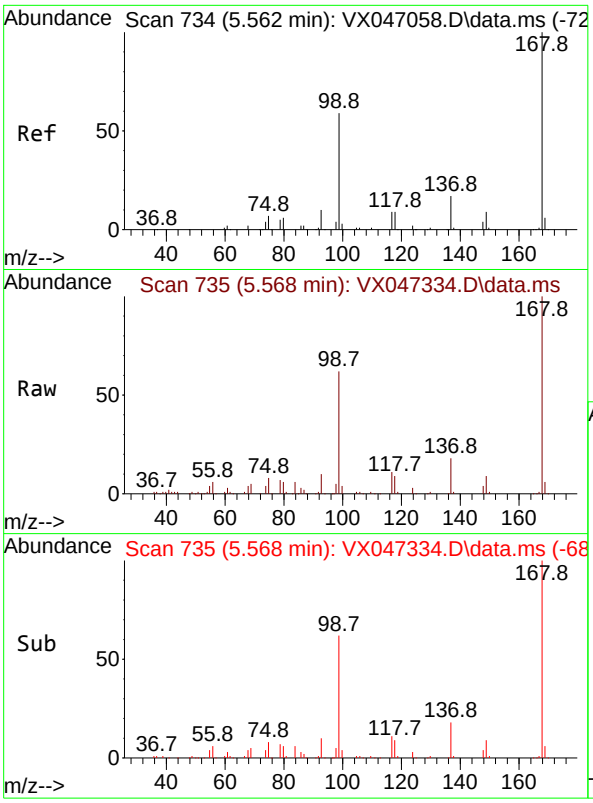
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081325\
Data File : VX047334.D
Acq On : 13 Aug 2025 19:50
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 28 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 14 05:24:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



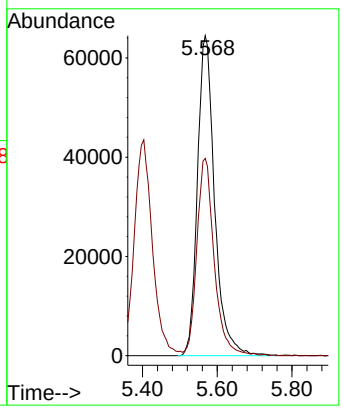


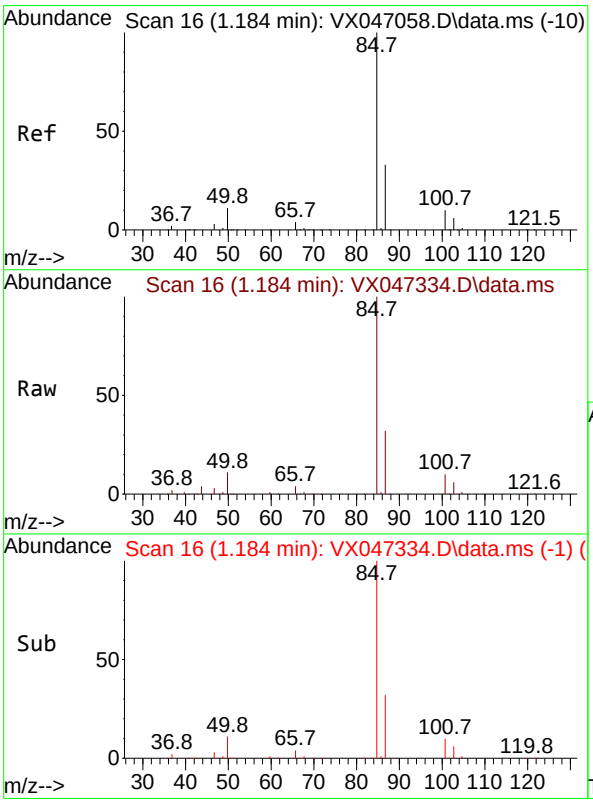
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 205236

Ion	Ratio	Lower	Upper
168	100		
99	61.5	48.0	72.0

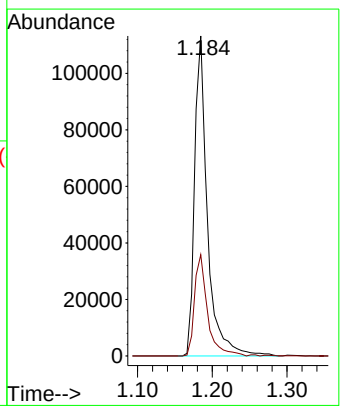


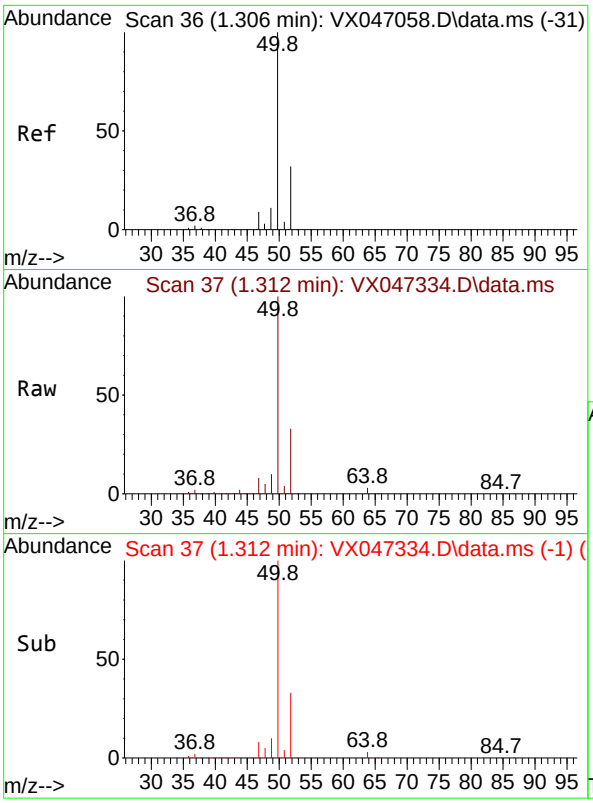


#2
Dichlorodifluoromethane
Concen: 49.434 ug/l
RT: 1.184 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 85 Resp: 134761

Ion	Ratio	Lower	Upper
85	100		
87	31.6	16.6	49.8



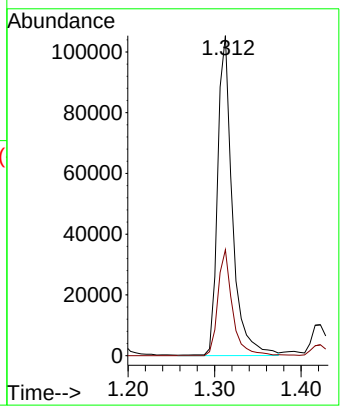


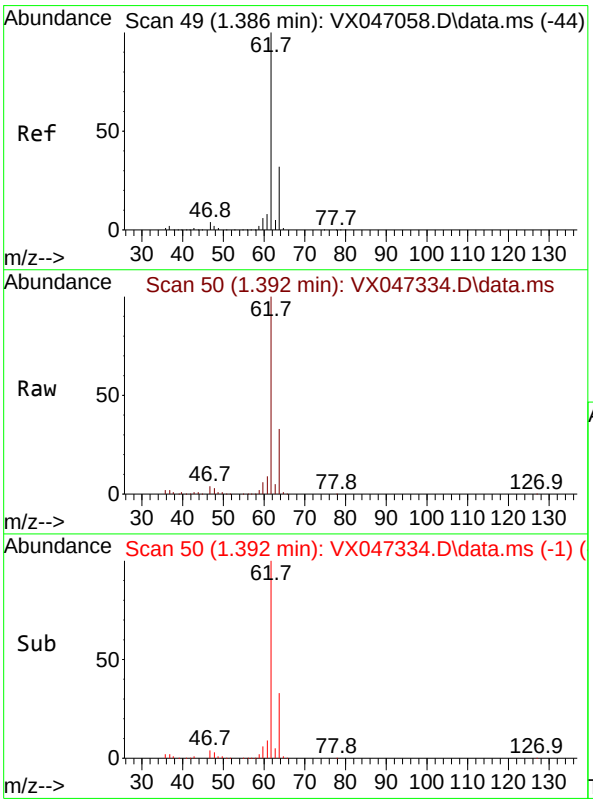
#3
Chloromethane
Concen: 46.133 ug/l
RT: 1.312 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 124400

Ion	Ratio	Lower	Upper
50	100		
52	33.1	25.4	38.2

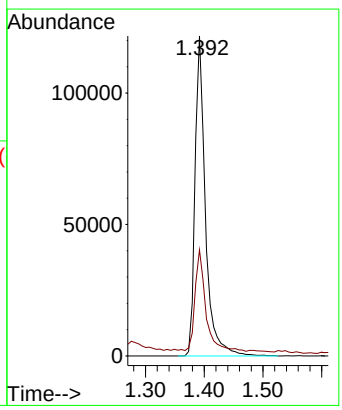


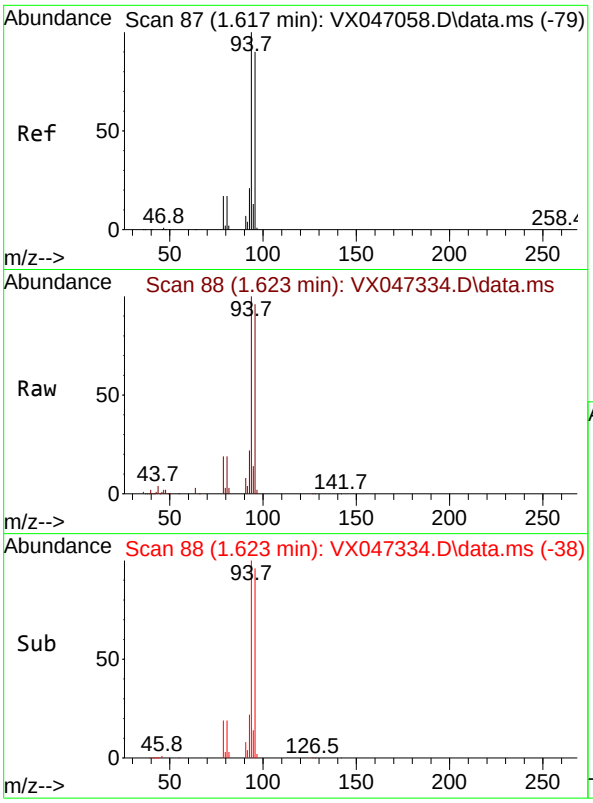


#4
Vinyl Chloride
Concen: 51.777 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 62 Resp: 150084

Ion	Ratio	Lower	Upper
62	100		
64	31.4	25.2	37.8



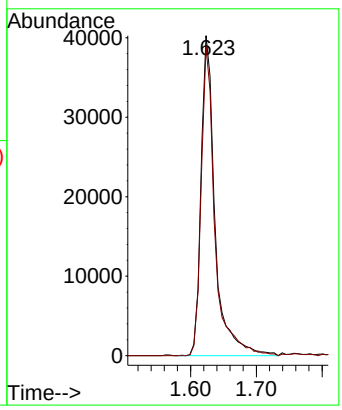


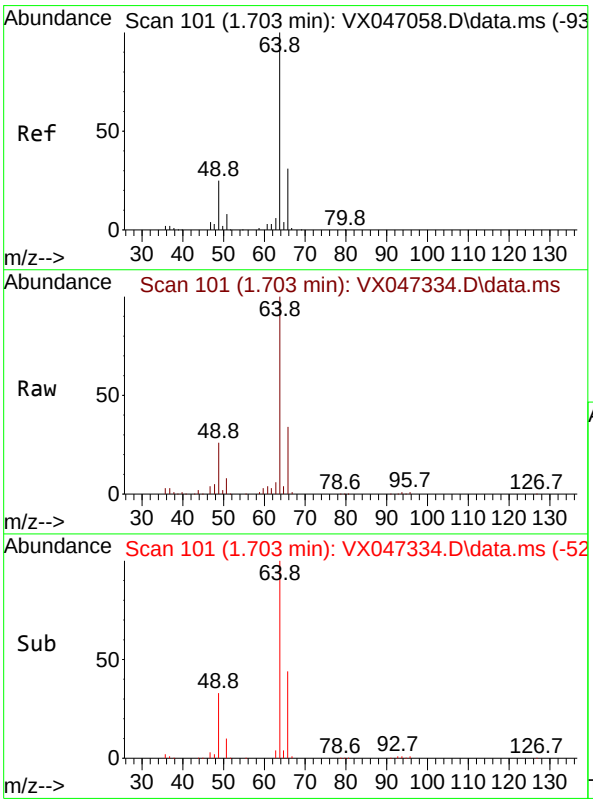
#5
Bromomethane
Concen: 37.927 ug/l
RT: 1.623 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 59720

Ion	Ratio	Lower	Upper
94	100		
96	96.5	72.3	108.5

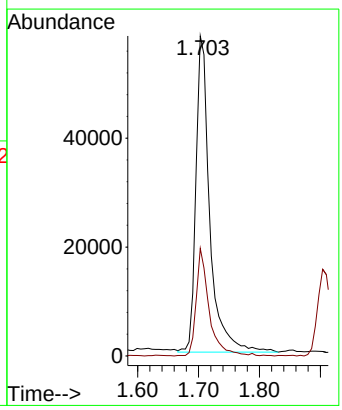


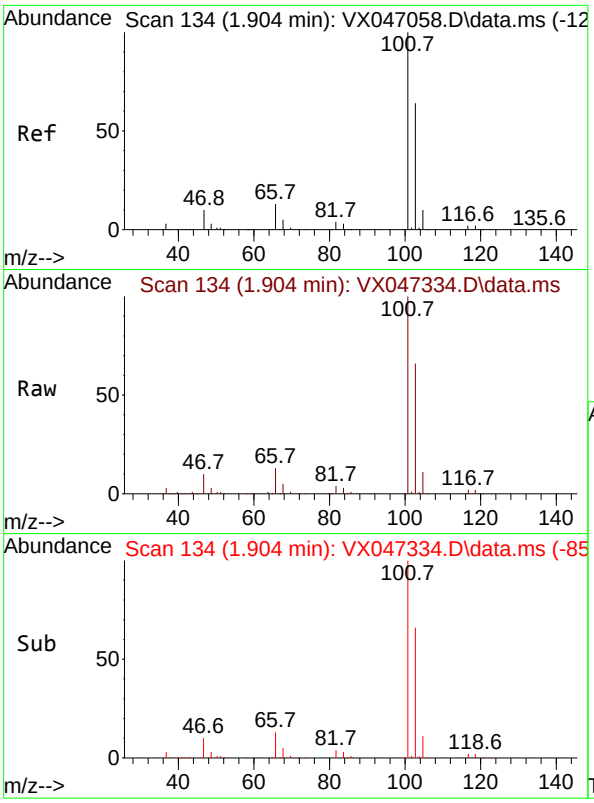


#6
Chloroethane
Concen: 48.258 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 64 Resp: 91875

Ion	Ratio	Lower	Upper
64	100		
66	33.9	25.0	37.6



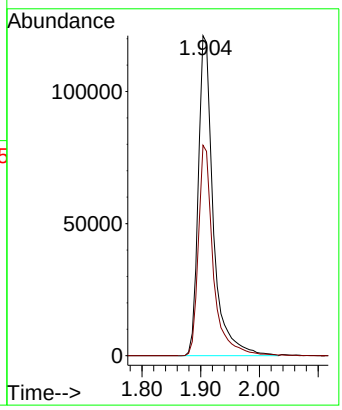


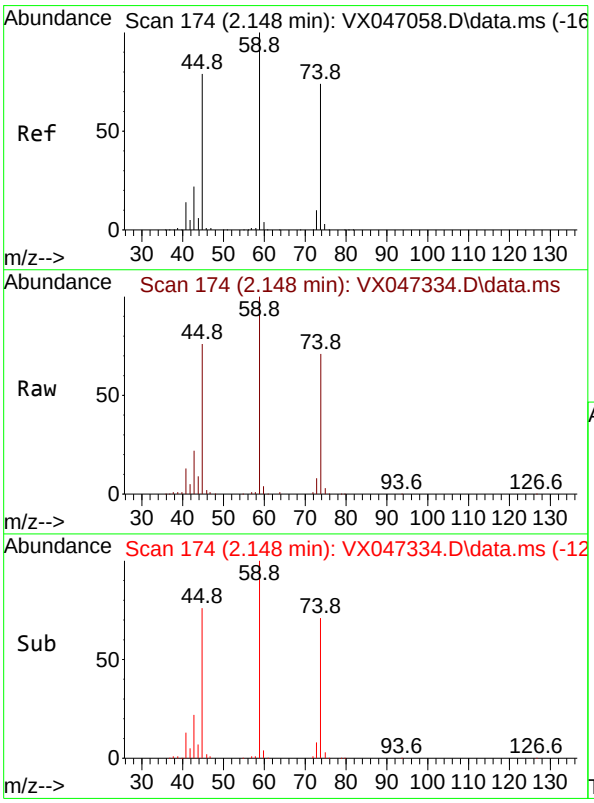
#7
Trichlorofluoromethane
Concen: 49.717 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 214893

Ion	Ratio	Lower	Upper
101	100		
103	65.8	50.9	76.3

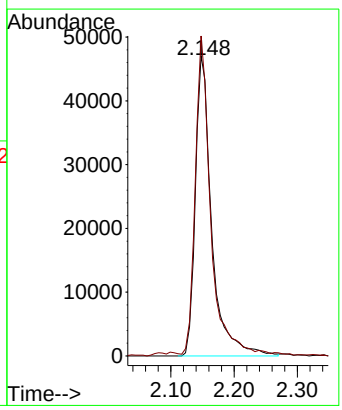


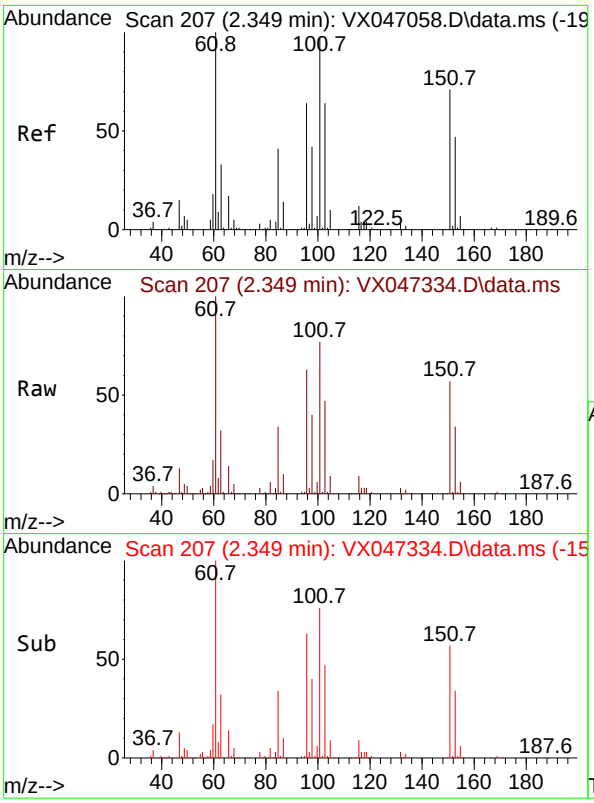


#8
Diethyl Ether
Concen: 55.556 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 74 Resp: 84668

Ion	Ratio	Lower	Upper
74	100		
45	100.3	53.0	159.0



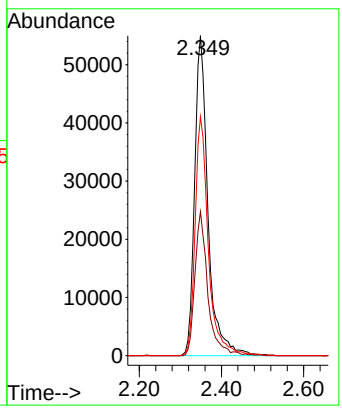


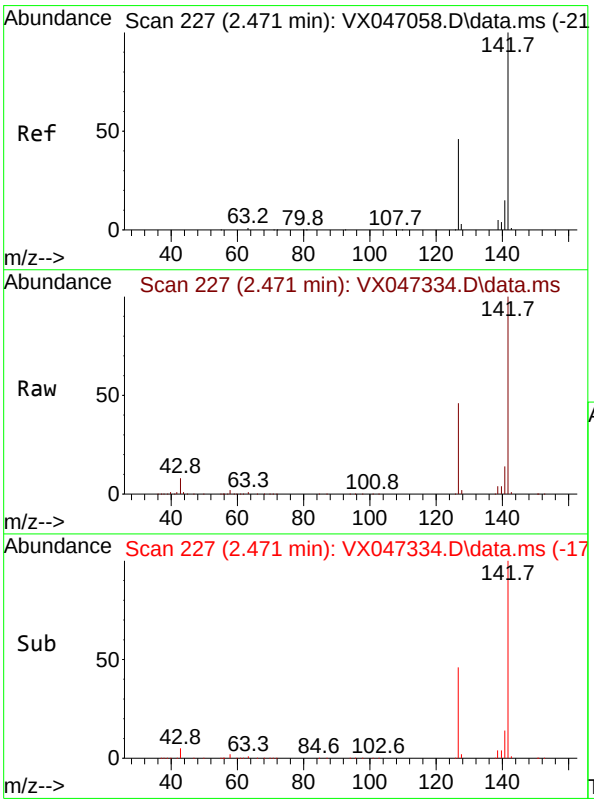
#9
1,1,2-Trichlorotrifluoroethane
Concen: 47.574 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 123887

Ion	Ratio	Lower	Upper
101	100		
85	43.9	35.4	53.0
151	74.6	59.2	88.8

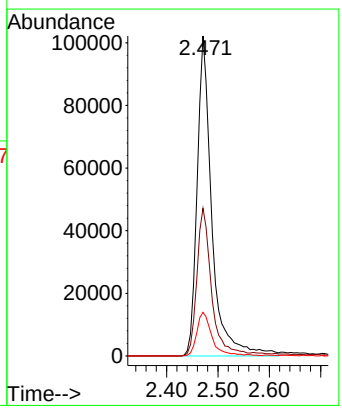


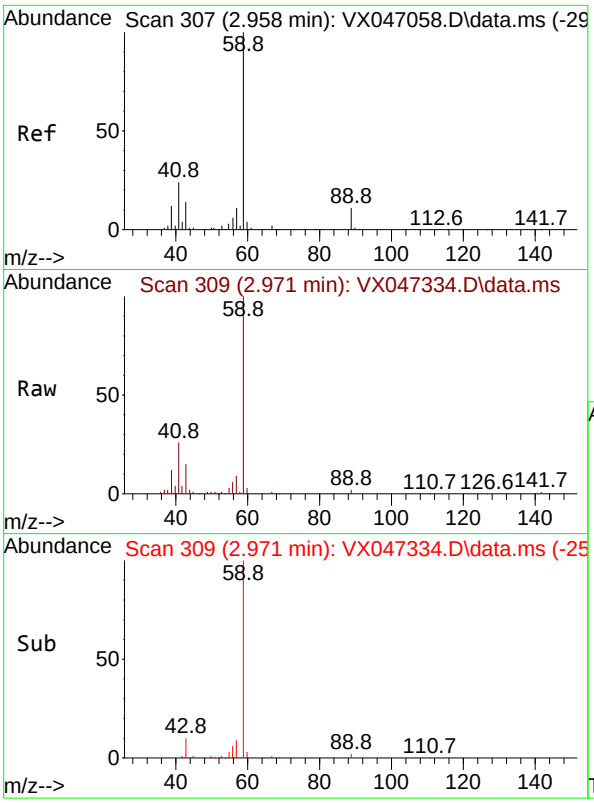


#10
Methyl Iodide
Concen: 76.942 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:142 Resp: 204203

Ion	Ratio	Lower	Upper
142	100		
127	45.6	36.6	54.8
141	14.1	10.9	16.3



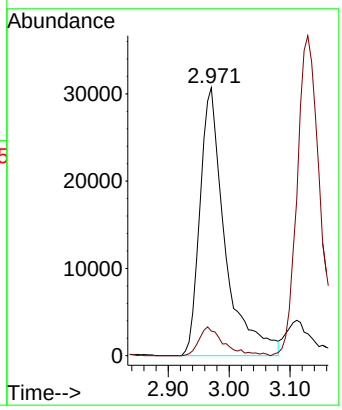


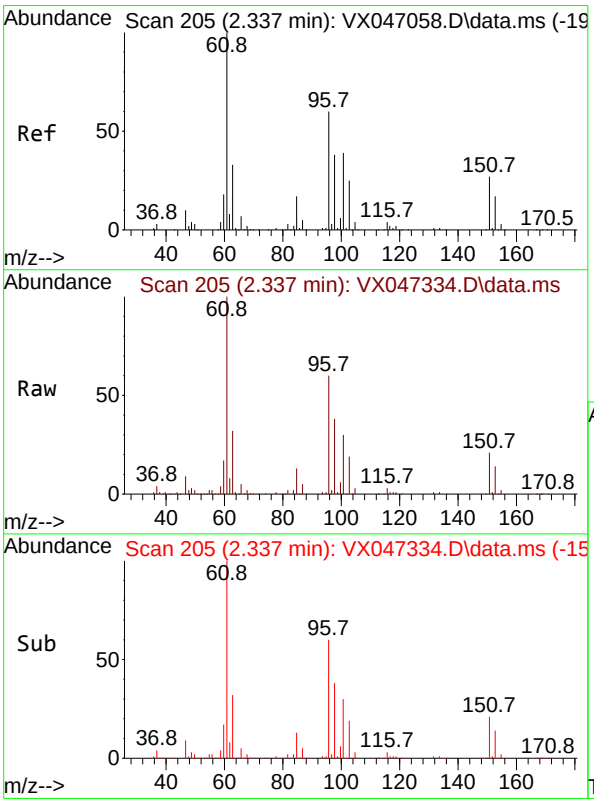
#11
Tert butyl alcohol
Concen: 296.193 ug/l
RT: 2.971 min Scan# 3
Delta R.T. 0.013 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 87953

Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.5	12.7

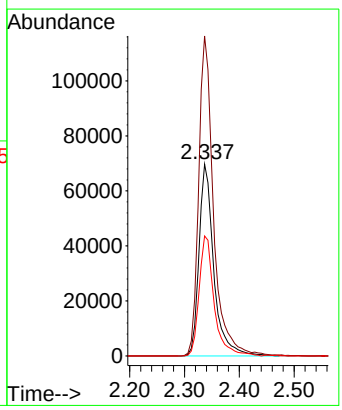


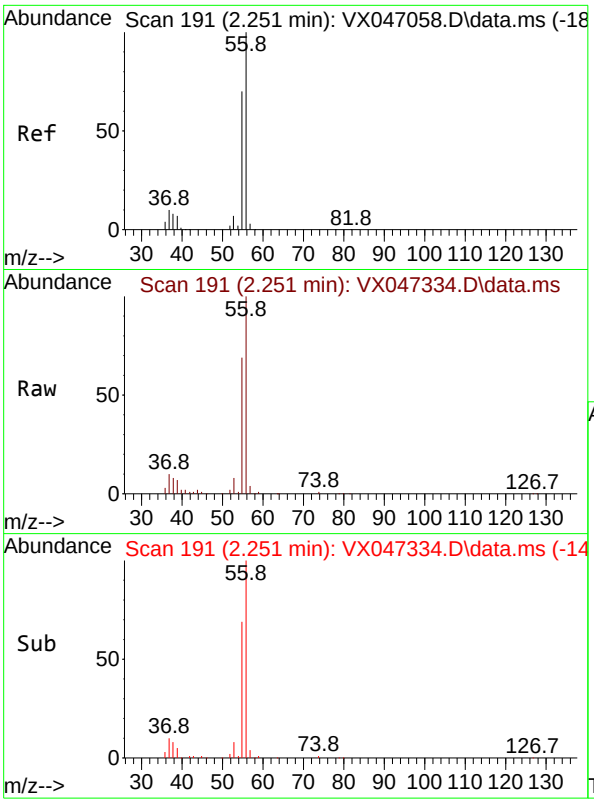


#12
1,1-Dichloroethene
Concen: 50.675 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 96 Resp: 130702

Ion	Ratio	Lower	Upper
96	100		
61	166.8	132.6	198.8
98	62.6	50.2	75.4



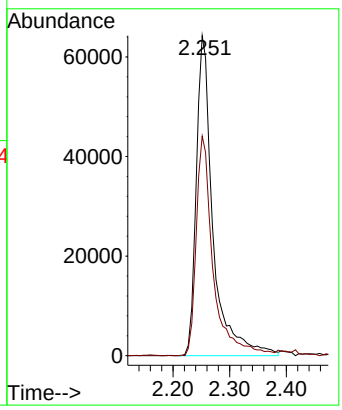


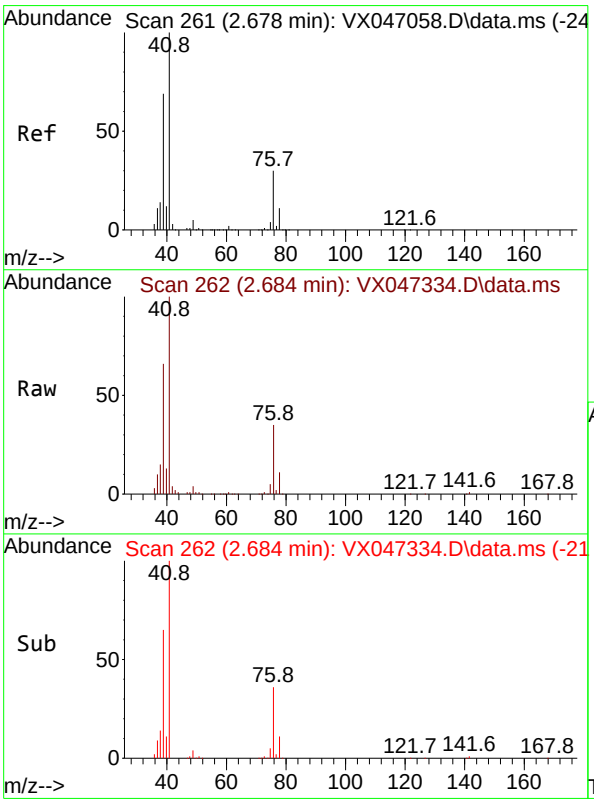
#13
Acrolein
Concen: 238.735 ug/l
RT: 2.251 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 131419

Ion	Ratio	Lower	Upper
56	100		
55	69.6	55.7	83.5

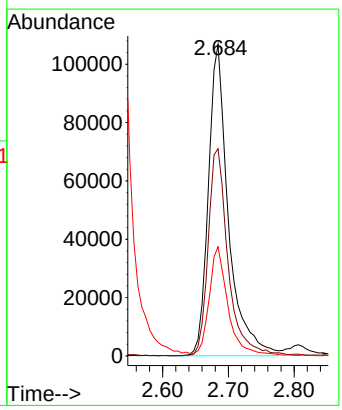


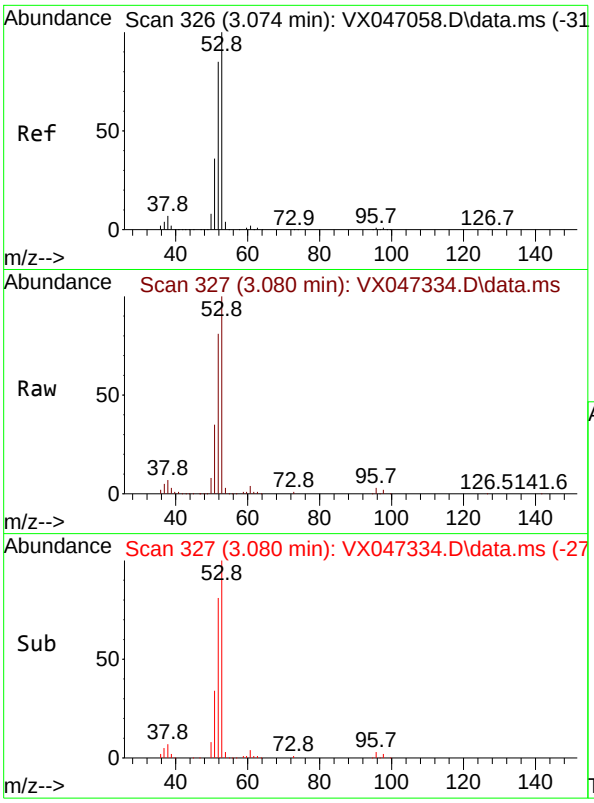


#14
Allyl chloride
Concen: 48.725 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 41 Resp: 227169

Ion	Ratio	Lower	Upper
41	100		
39	65.9	52.6	78.8
76	32.7	25.7	38.5



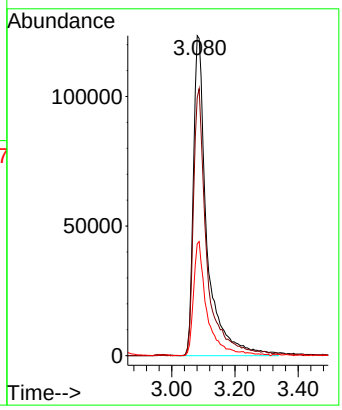


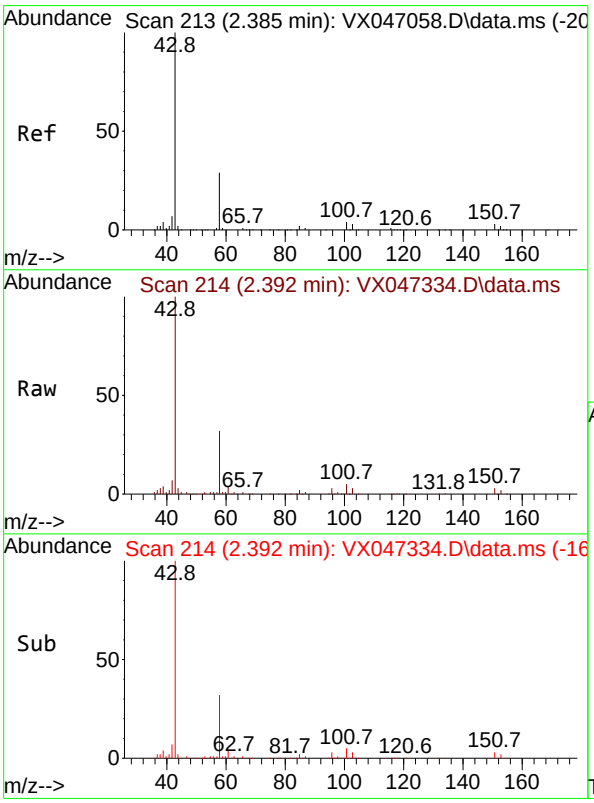
#15
Acrylonitrile
Concen: 304.062 ug/l
RT: 3.080 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 370745

Ion	Ratio	Lower	Upper
53	100		
52	82.1	65.7	98.5
51	35.7	28.8	43.2

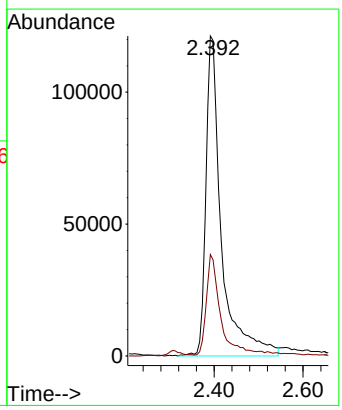


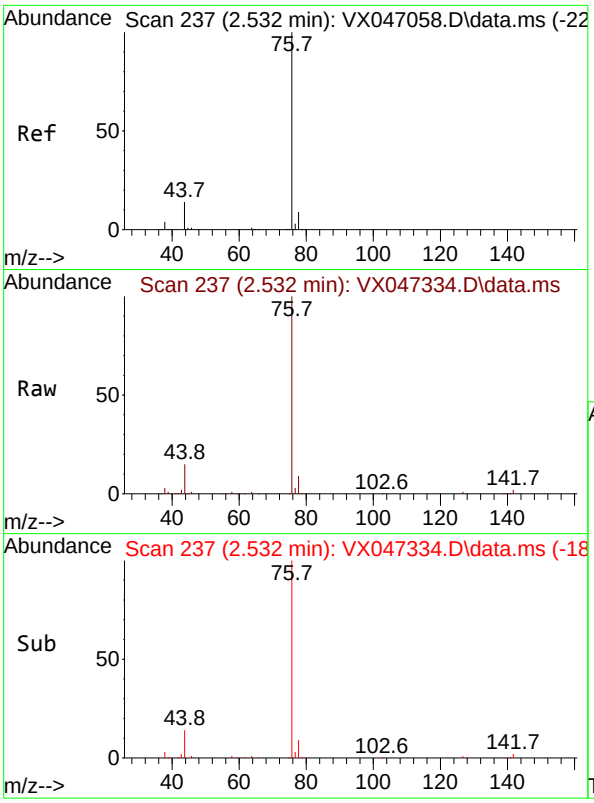


#16
Acetone
Concen: 288.492 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 43 Resp: 295467

Ion	Ratio	Lower	Upper
43	100		
58	30.8	24.0	36.0



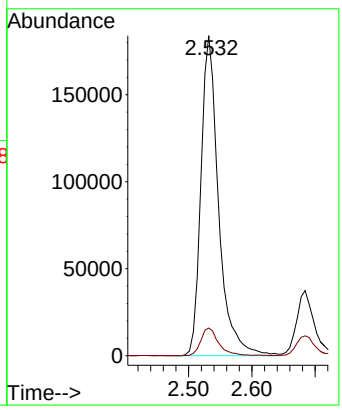


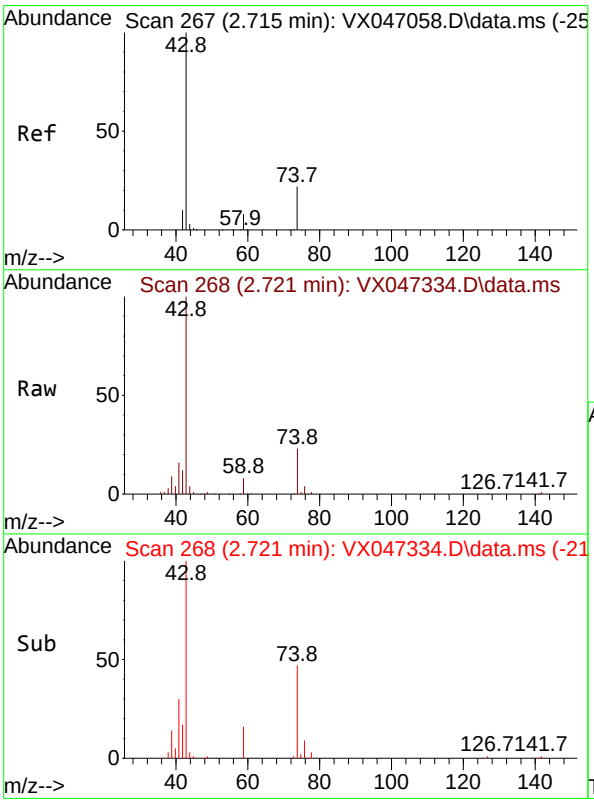
#17
Carbon Disulfide
Concen: 47.874 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 357217

Ion	Ratio	Lower	Upper
76	100		
78	8.6	7.0	10.4

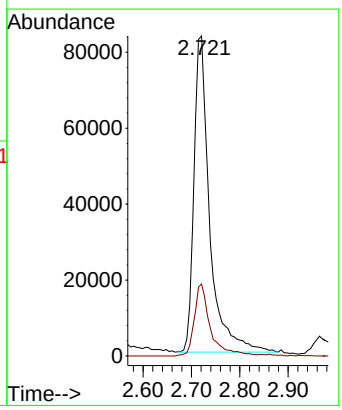


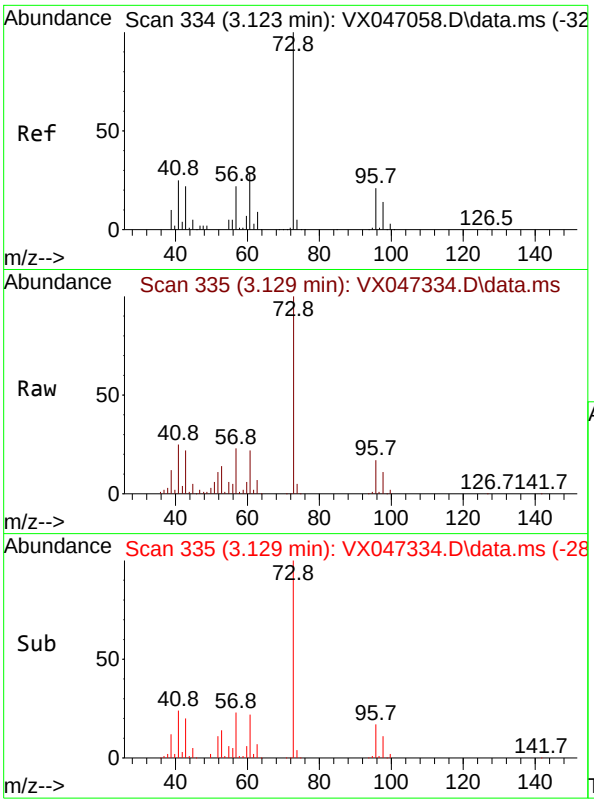


#18
Methyl Acetate
Concen: 69.057 ug/l
RT: 2.721 min Scan# 268
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 43 Resp: 187953

Ion	Ratio	Lower	Upper
43	100		
74	23.2	17.7	26.5



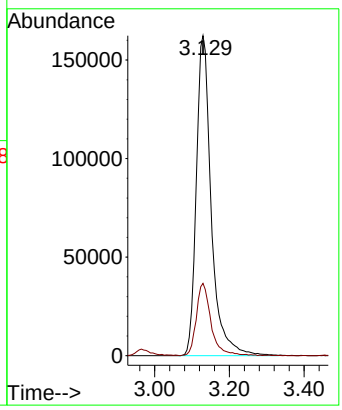


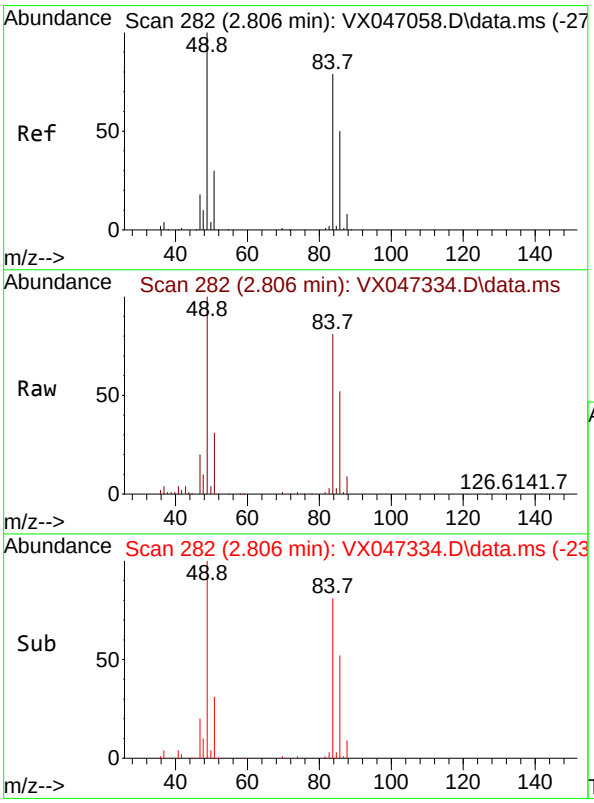
#19
Methyl tert-butyl Ether
Concen: 57.288 ug/l
RT: 3.129 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 449689

Ion	Ratio	Lower	Upper
73	100		
57	22.5	17.7	26.5

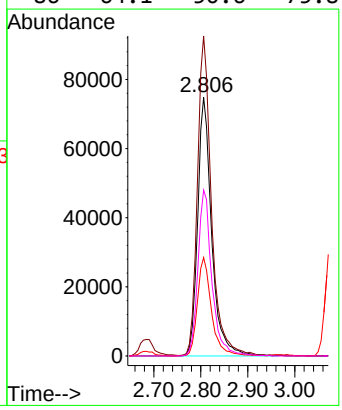


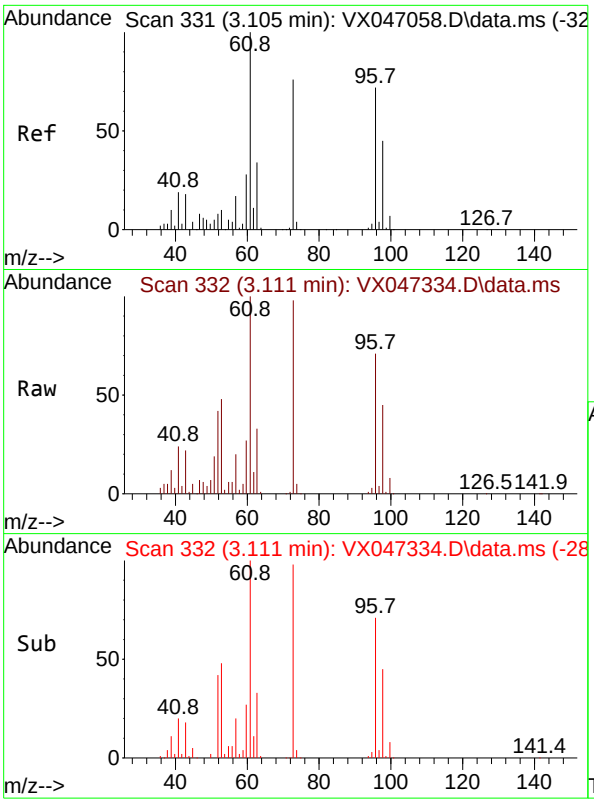


#20
Methylene Chloride
Concen: 55.207 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 84 Resp: 155553

Ion	Ratio	Lower	Upper
84	100		
49	123.5	101.6	152.4
51	37.9	30.3	45.5
86	64.1	50.6	75.8



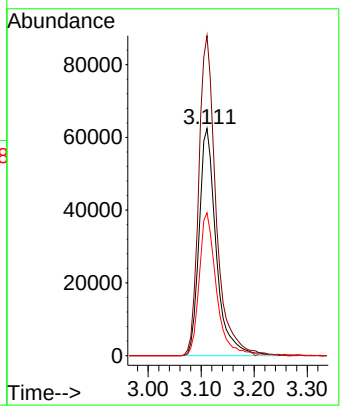


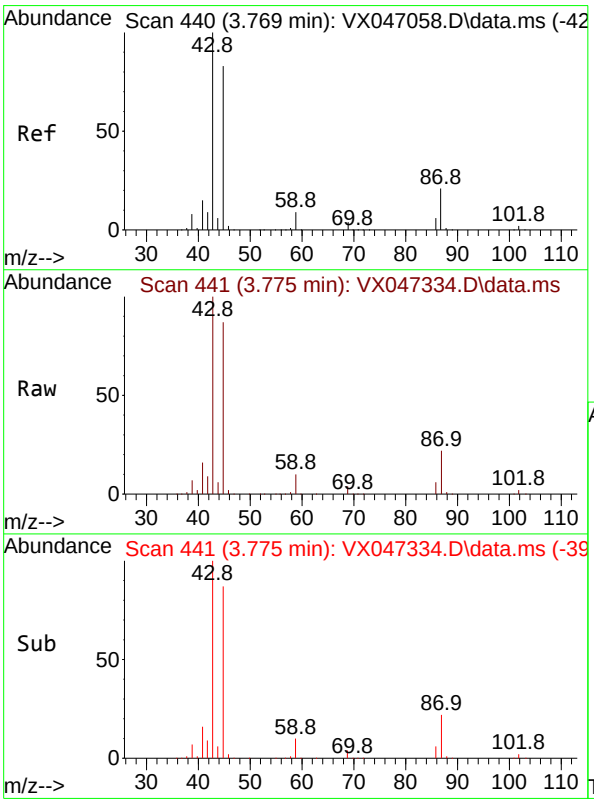
#21
trans-1,2-Dichloroethene
Concen: 53.013 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 139920

Ion	Ratio	Lower	Upper
96	100		
61	140.8	111.1	166.7
98	64.7	49.6	74.4

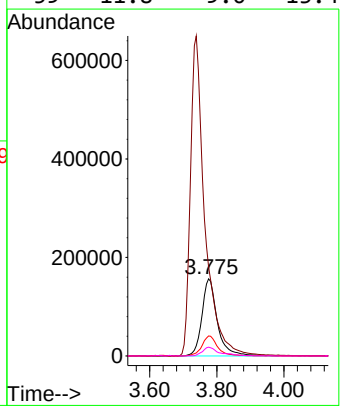


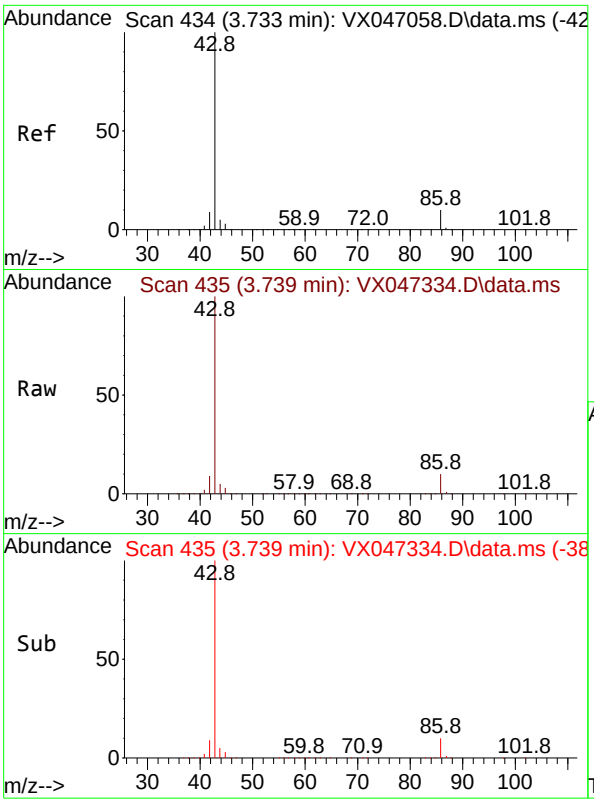


#22
Diisopropyl ether
Concen: 55.568 ug/l
RT: 3.775 min Scan# 441
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 45 Resp: 498100

Ion	Ratio	Lower	Upper
45	100		
43	115.2	96.8	145.2
87	25.9	20.5	30.7
59	11.8	9.0	13.4



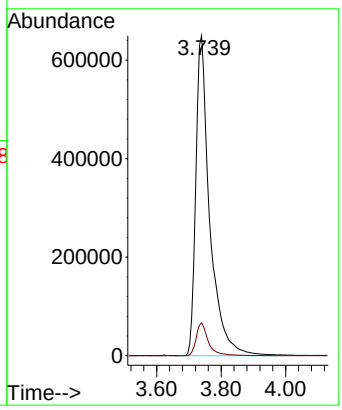


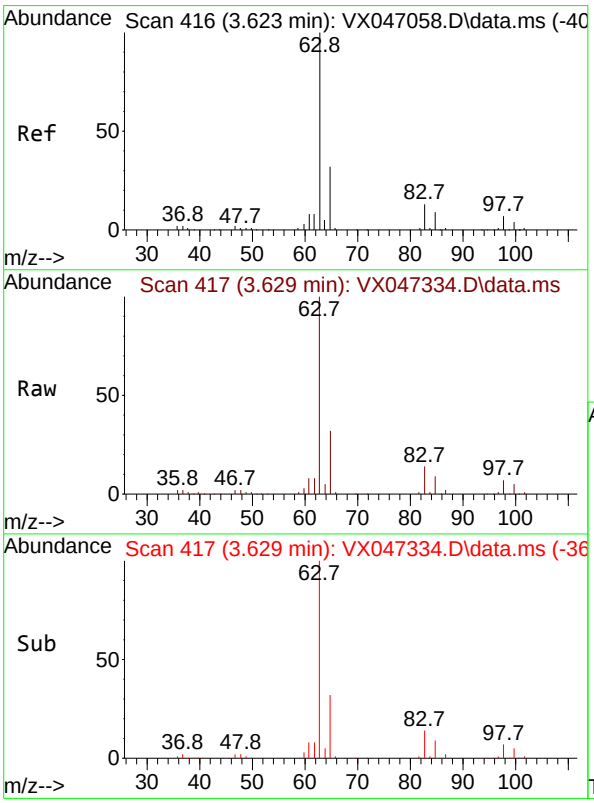
#23
Vinyl Acetate
Concen: 271.550 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1952315

Ion	Ratio	Lower	Upper
43	100		
86	10.3	8.1	12.1

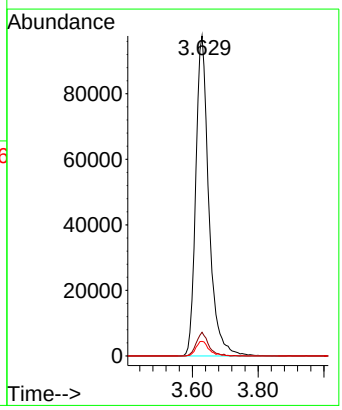


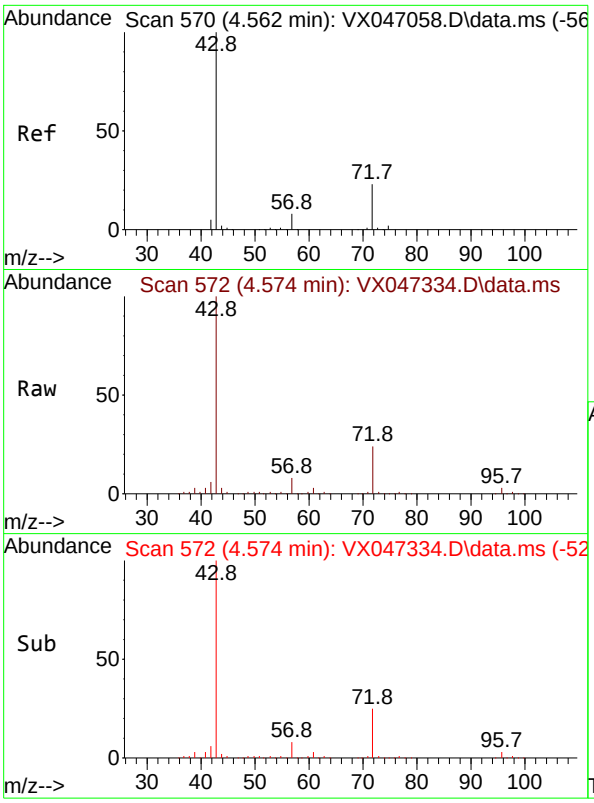


#24
1,1-Dichloroethane
Concen: 54.022 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 63 Resp: 269276

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.7	2.3	6.8



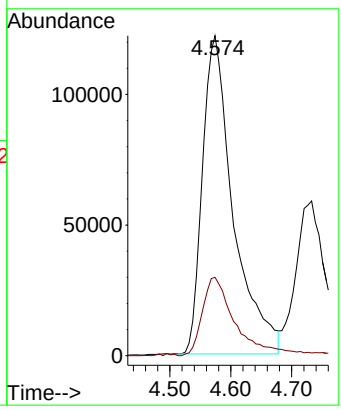


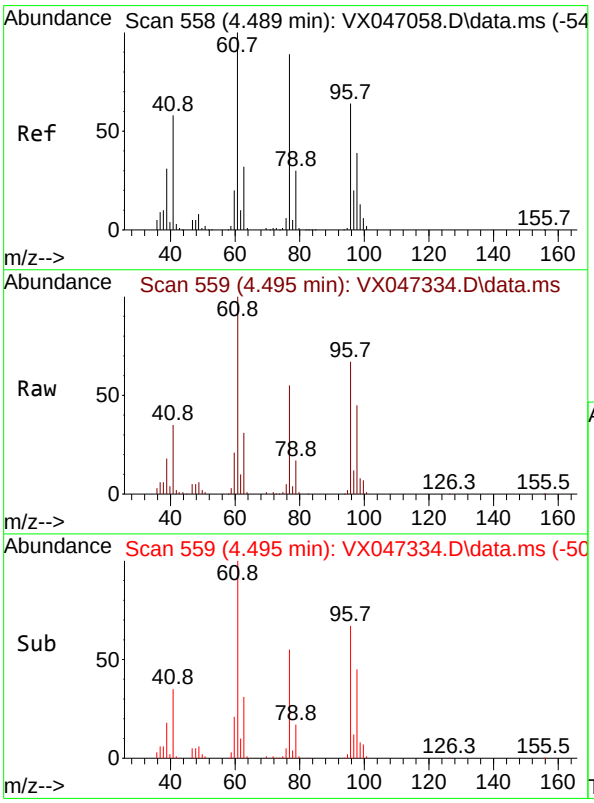
#25
2-Butanone
Concen: 286.642 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 427466

Ion	Ratio	Lower	Upper
43	100		
72	24.6	18.8	28.2

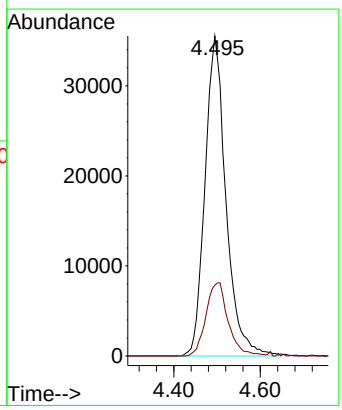


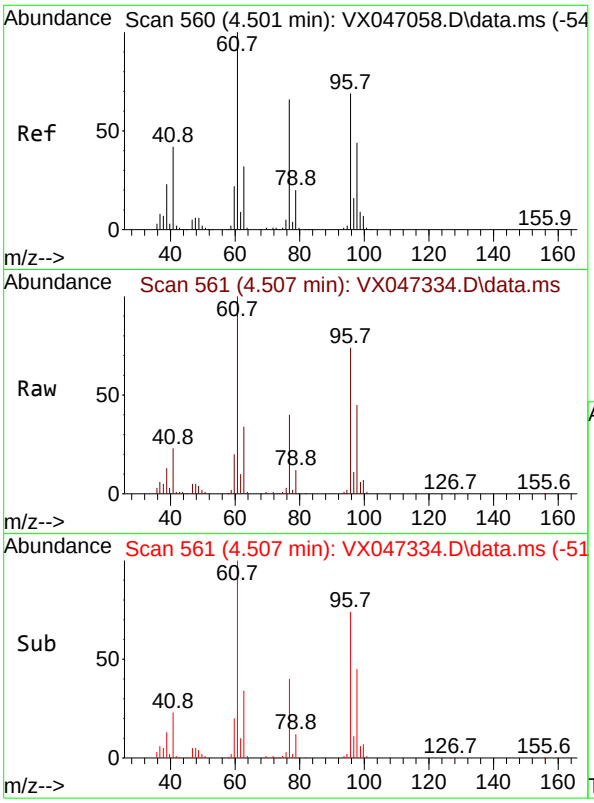


#26
2,2-Dichloropropane
Concen: 30.943 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 77 Resp: 119393

Ion	Ratio	Lower	Upper
77	100		
97	24.3	11.4	34.1



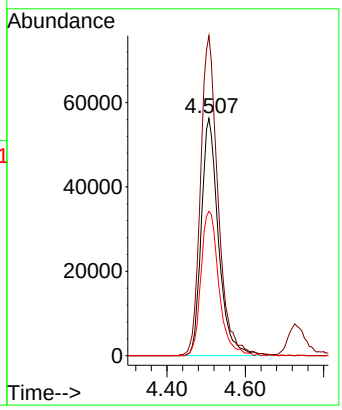


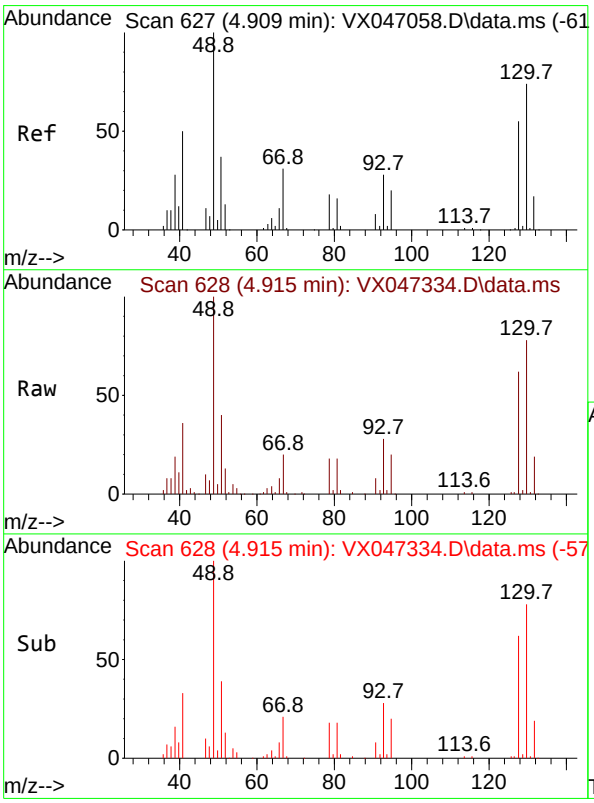
#27
cis-1,2-Dichloroethene
Concen: 54.770 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 171179

Ion	Ratio	Lower	Upper
96	100		
61	137.8	0.0	298.6
98	63.3	0.0	128.8

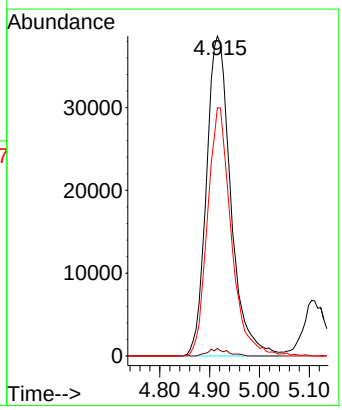


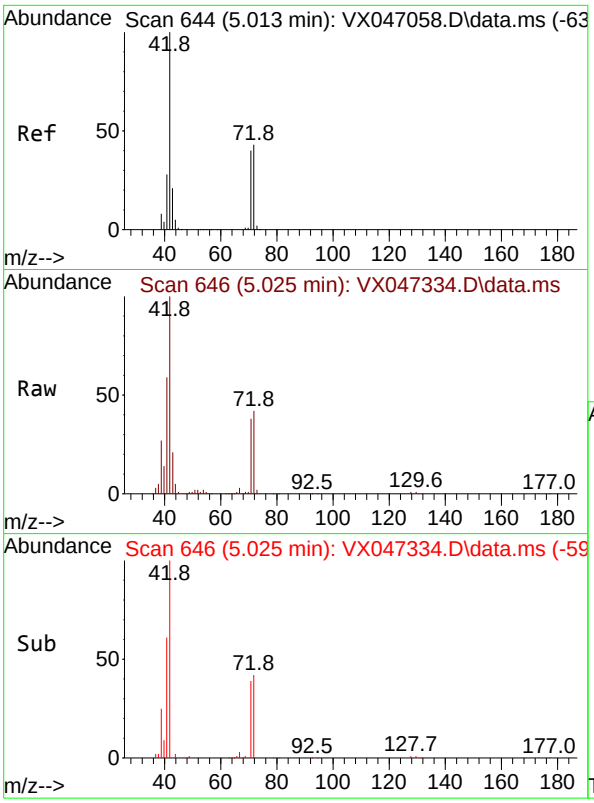


#28
Bromochloromethane
Concen: 57.062 ug/l
RT: 4.915 min Scan# 628
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 49 Resp: 130854

Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	3.8
130	75.3	59.0	88.4



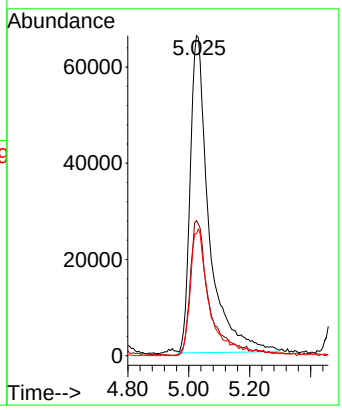


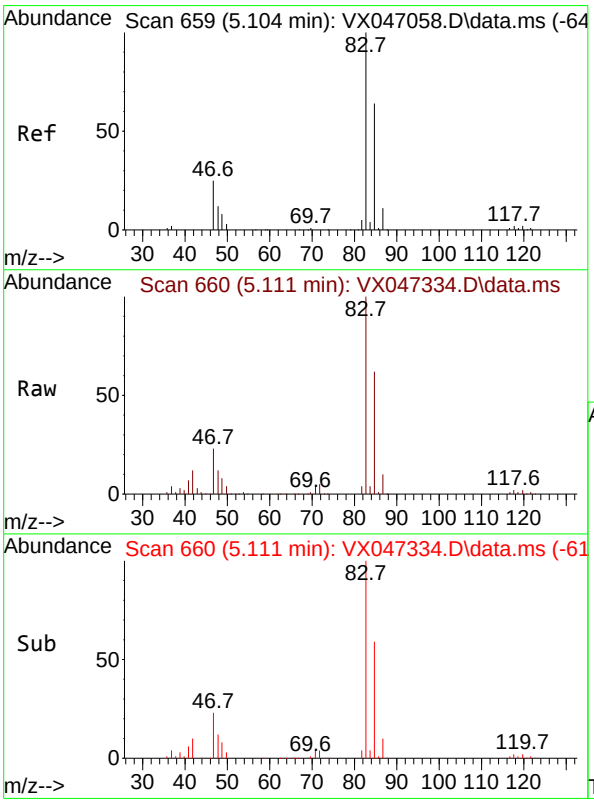
#29
Tetrahydrofuran
Concen: 293.999 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 282886

Ion	Ratio	Lower	Upper
42	100		
72	43.2	33.7	50.5
71	40.3	31.0	46.4

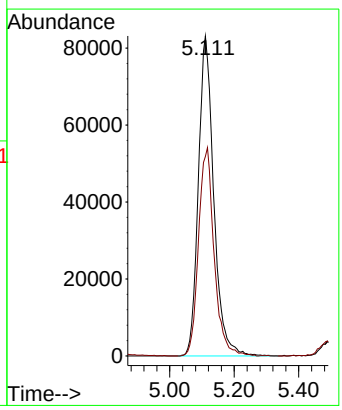


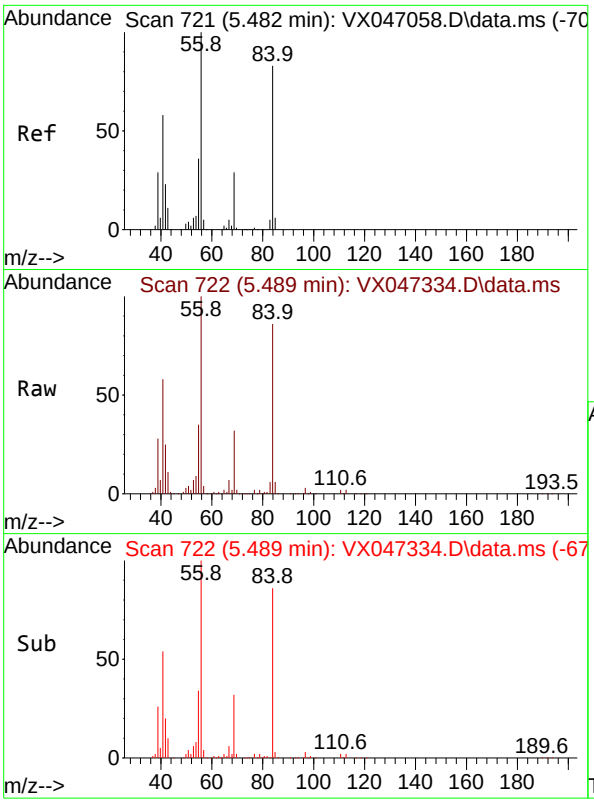


#30
Chloroform
Concen: 54.310 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 83 Resp: 275564

Ion	Ratio	Lower	Upper
83	100		
85	62.3	50.9	76.3



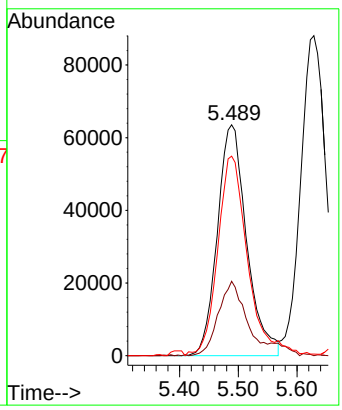


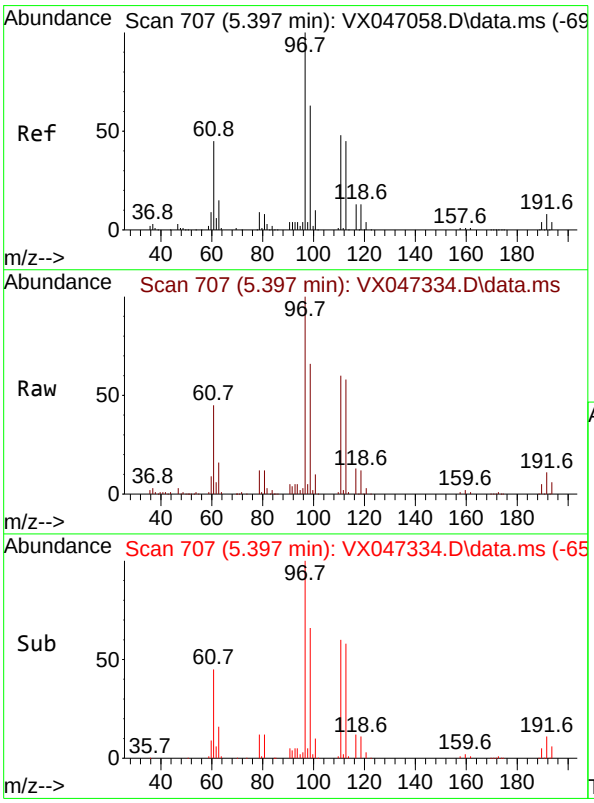
#31
Cyclohexane
Concen: 45.987 ug/l
RT: 5.489 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 219791

Ion	Ratio	Lower	Upper
56	100		
69	32.0	23.3	34.9
84	84.3	66.5	99.7

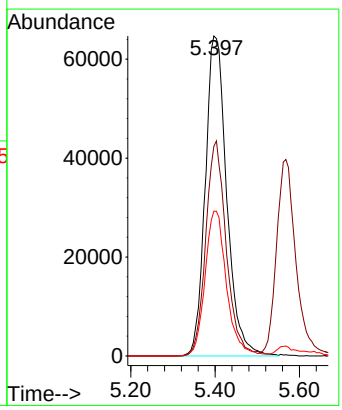


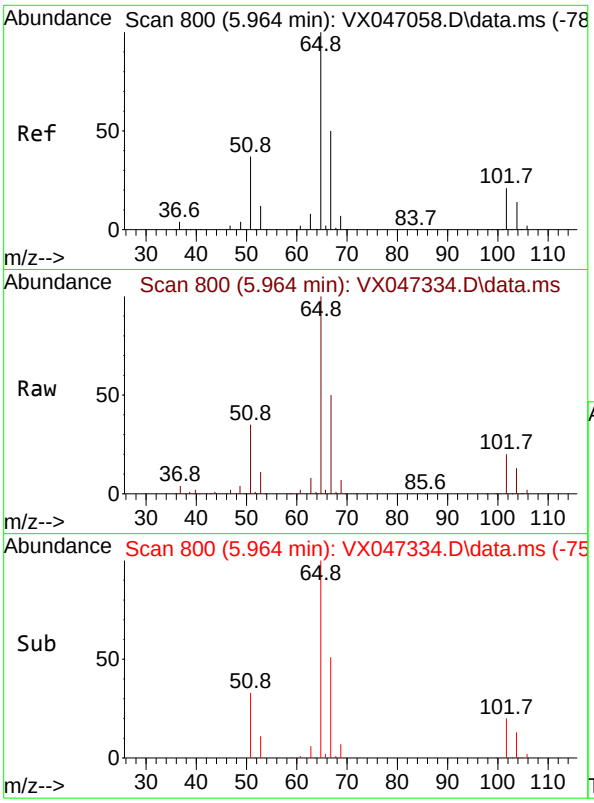


#32
1,1,1-Trichloroethane
Concen: 51.894 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 97 Resp: 228701

Ion	Ratio	Lower	Upper
97	100		
99	64.3	51.2	76.8
61	45.5	37.1	55.7



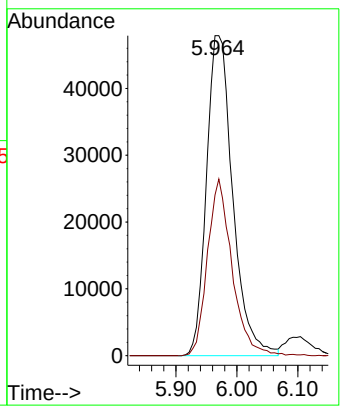


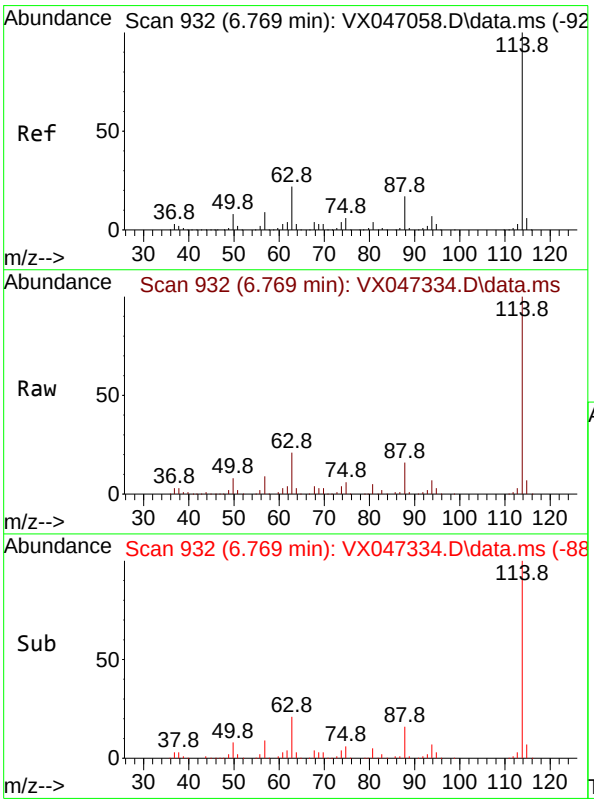
#33
1,2-Dichloroethane-d4
Concen: 56.170 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 143603

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	104.8

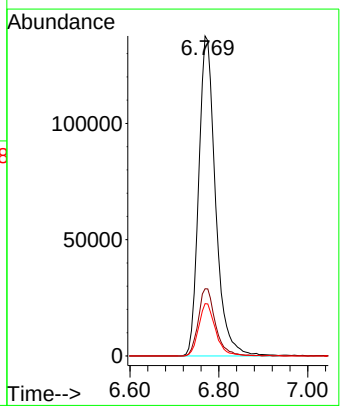


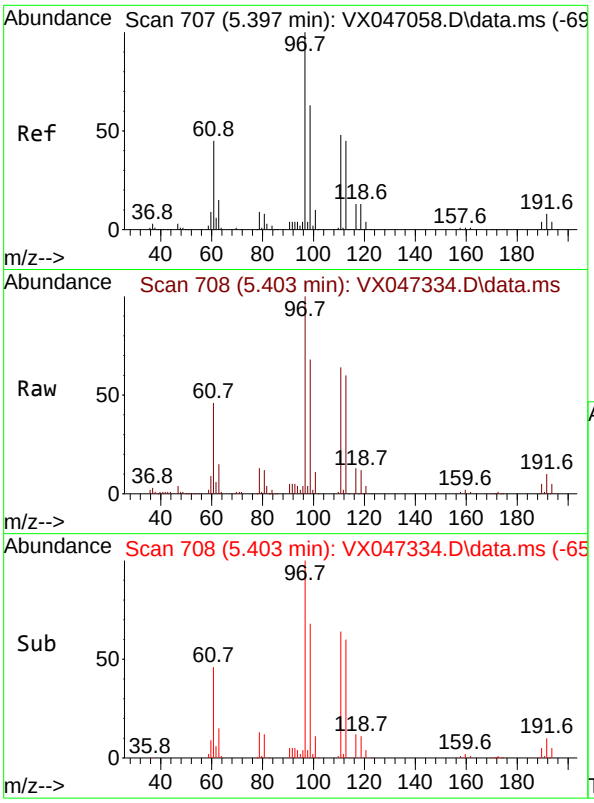


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 932
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:114 Resp: 362249

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	43.2
88	16.4	0.0	33.8



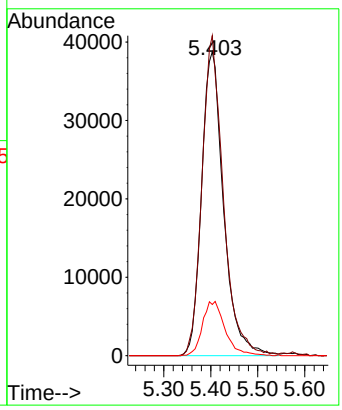


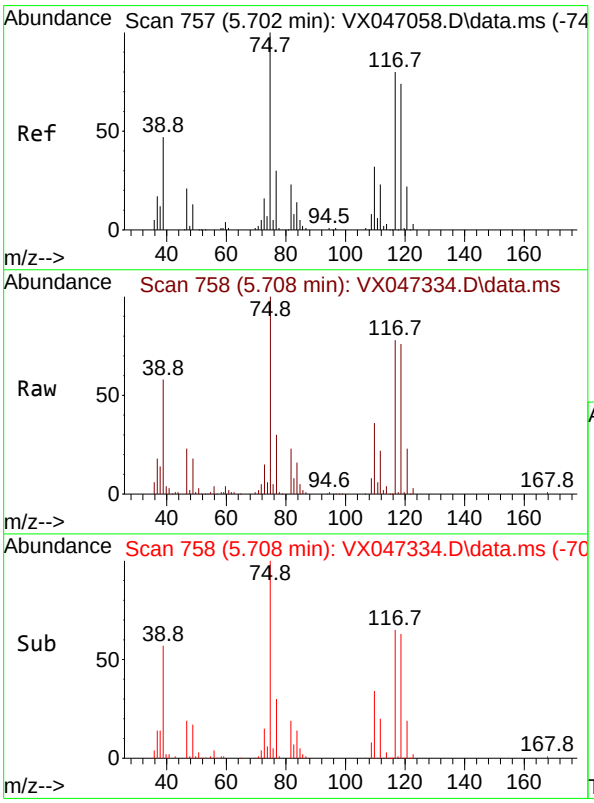
#35
Dibromofluoromethane
Concen: 56.338 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 126007

Ion	Ratio	Lower	Upper
113	100		
111	102.3	82.6	124.0
192	18.4	14.9	22.3

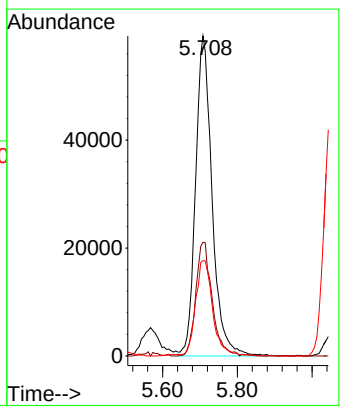


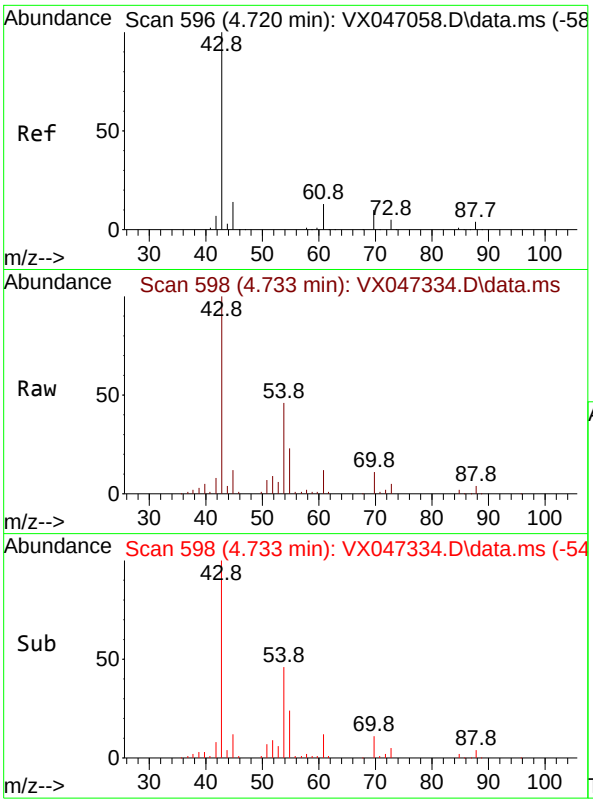


#36
1,1-Dichloropropene
Concen: 47.746 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 75 Resp: 182035

Ion	Ratio	Lower	Upper
75	100		
110	34.9	17.2	51.5
77	30.9	25.1	37.7



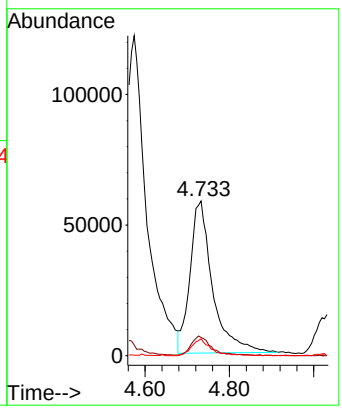


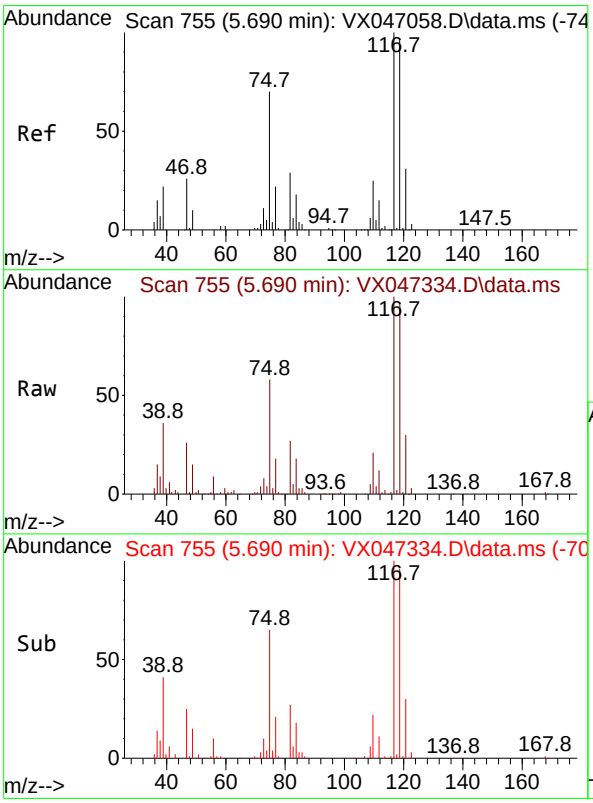
#37
Ethyl Acetate
Concen: 61.671 ug/l
RT: 4.733 min Scan# 5
Delta R.T. 0.012 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 216655

Ion	Ratio	Lower	Upper
43	100		
61	11.0	10.2	15.2
70	9.3	8.1	12.1

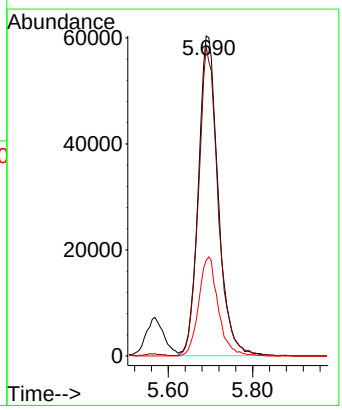


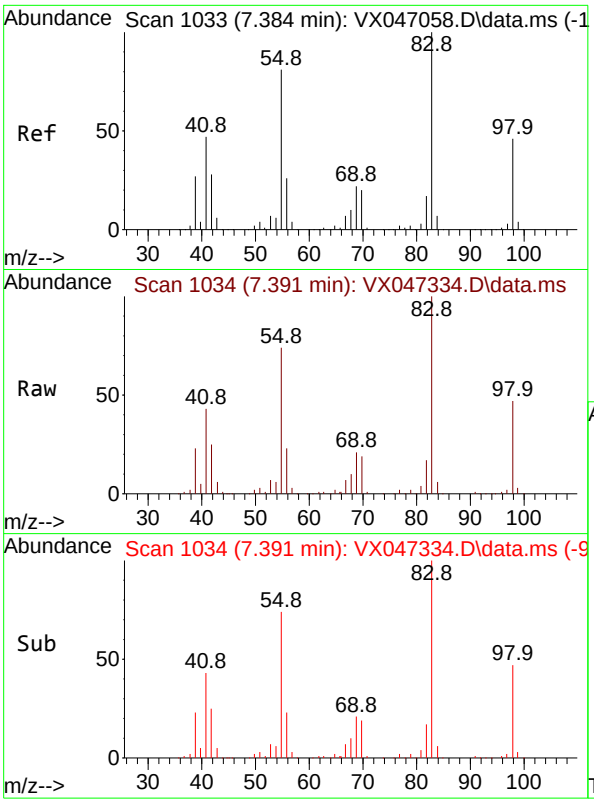


#38
Carbon Tetrachloride
Concen: 48.436 ug/l
RT: 5.690 min Scan# 755
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:117 Resp: 197096

Ion	Ratio	Lower	Upper
117	100		
119	96.8	76.6	115.0
121	29.9	24.4	36.6



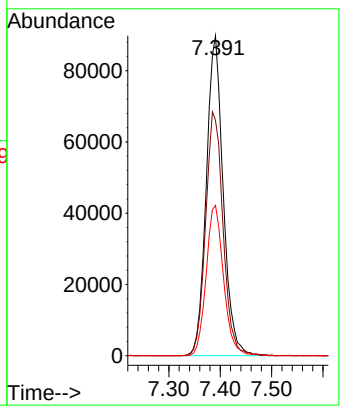


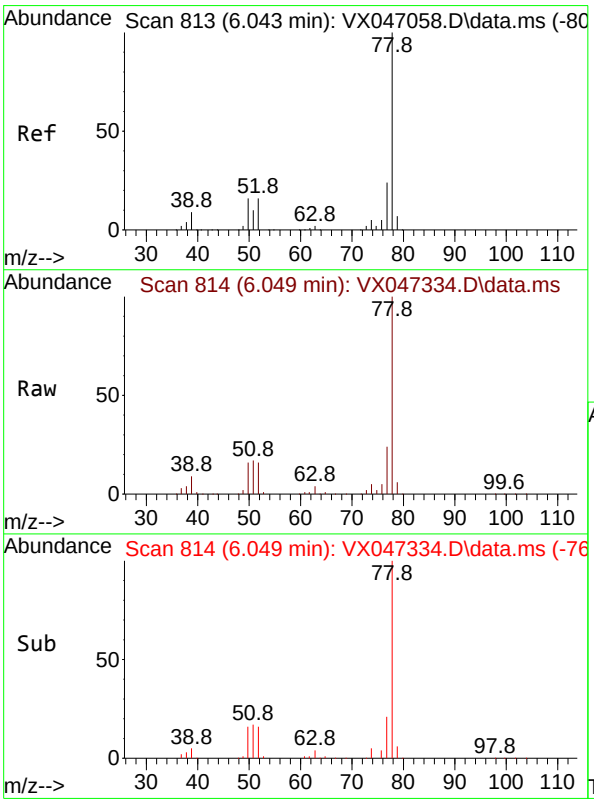
#39
Methylcyclohexane
Concen: 42.990 ug/l
RT: 7.391 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 204641

Ion	Ratio	Lower	Upper
83	100		
55	73.6	64.5	96.7
98	46.9	36.9	55.3

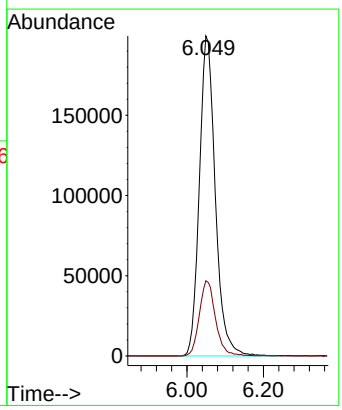


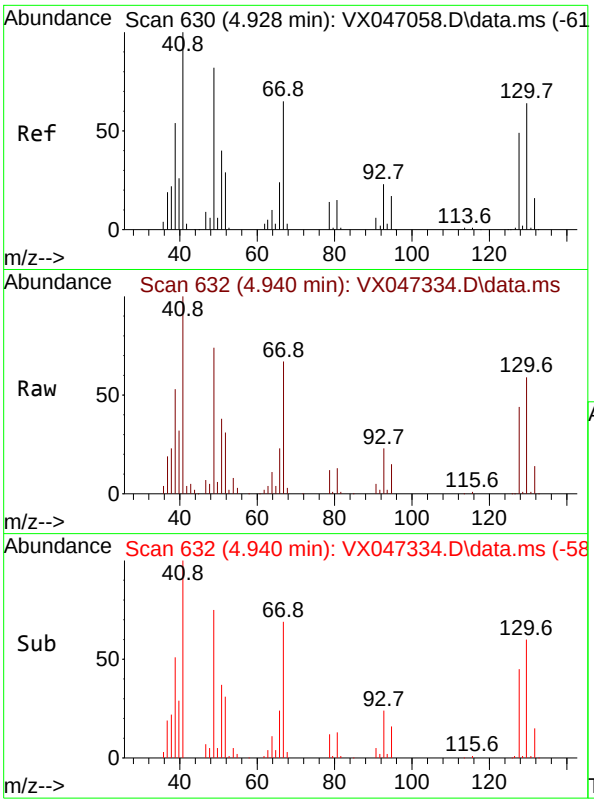


#40
Benzene
Concen: 52.258 ug/l
RT: 6.049 min Scan# 814
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 78 Resp: 576594

Ion	Ratio	Lower	Upper
78	100		
77	23.5	19.0	28.4



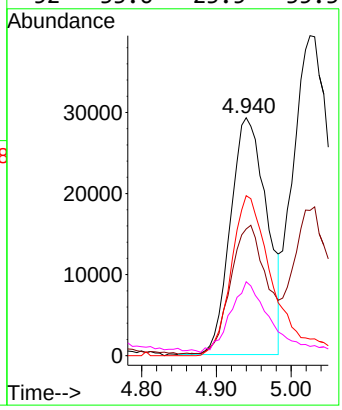


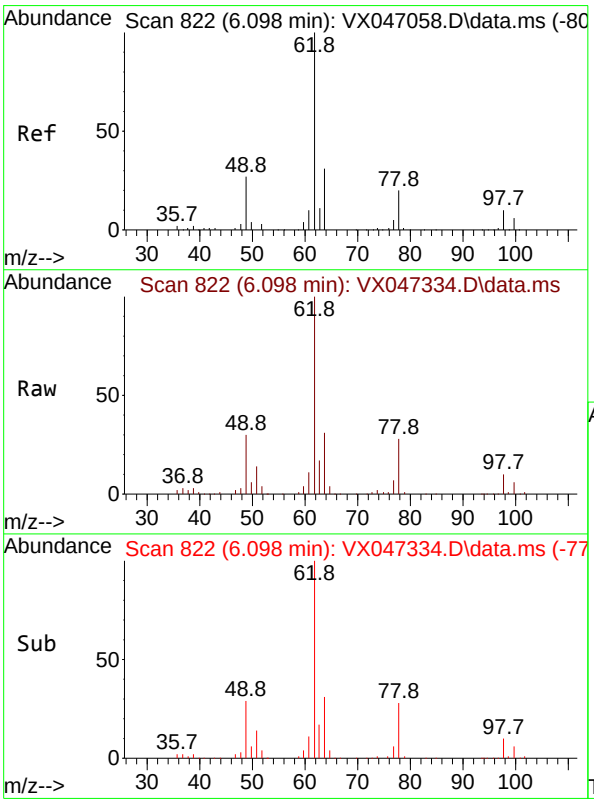
#41
Methacrylonitrile
Concen: 53.704 ug/l
RT: 4.940 min Scan# 6
Delta R.T. 0.012 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 98648

Ion	Ratio	Lower	Upper
41	100		
39	53.6	44.2	66.2
67	79.5	56.4	84.6
52	33.6	23.5	35.3

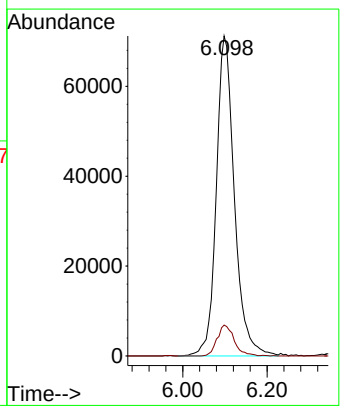


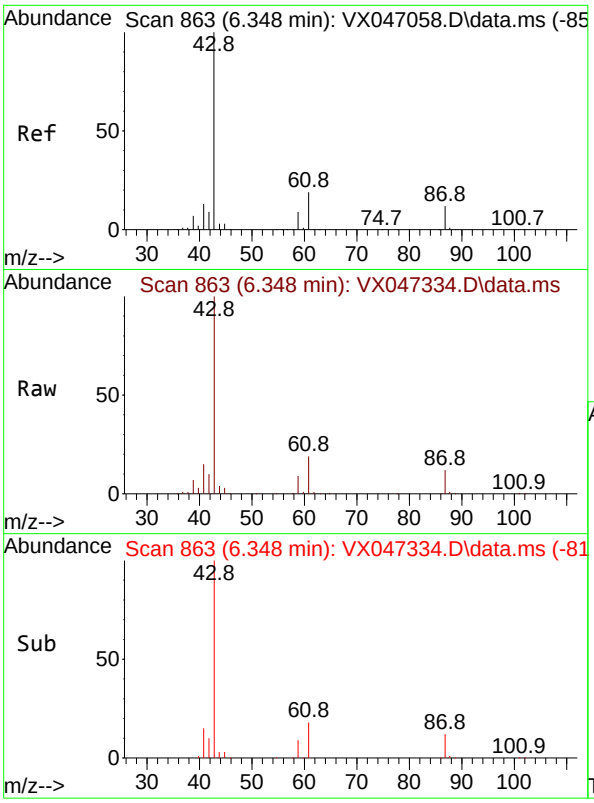


#42
1,2-Dichloroethane
Concen: 54.449 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 62 Resp: 211626

Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	18.8



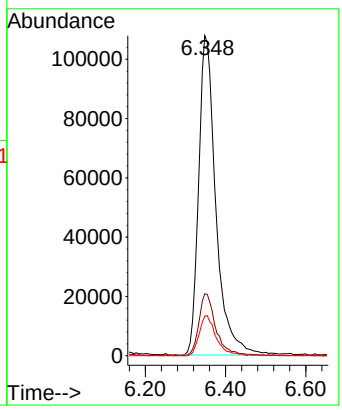


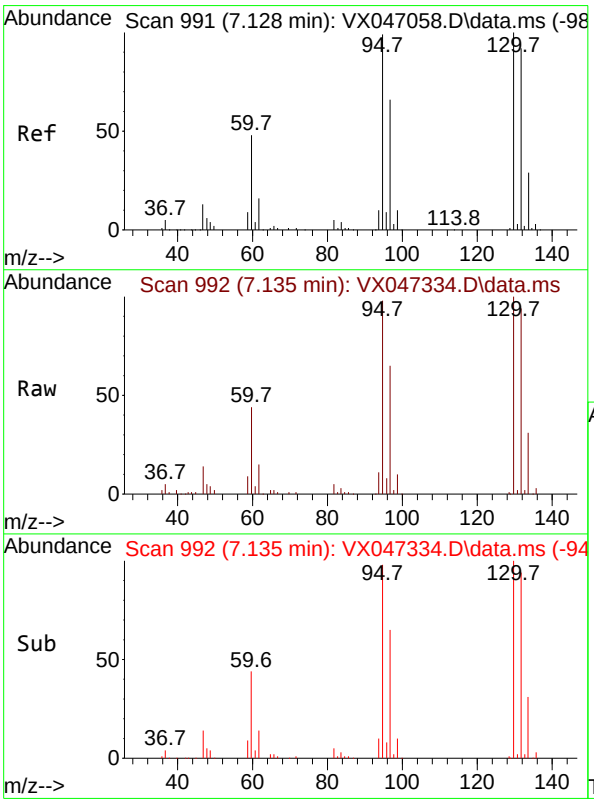
#43
Isopropyl Acetate
Concen: 58.771 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 321876

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	12.2	9.7	14.5

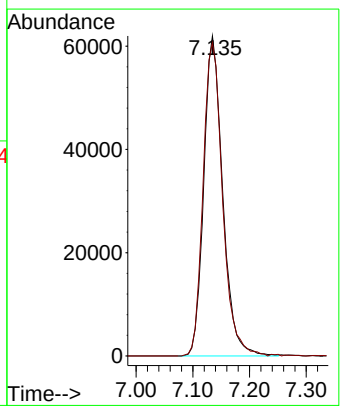


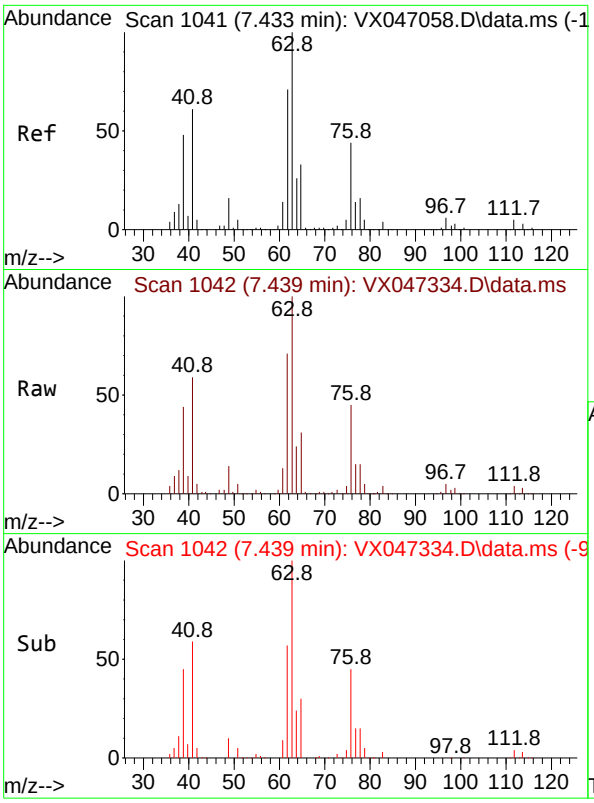


#44
Trichloroethene
Concen: 50.839 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:130 Resp: 143842

Ion	Ratio	Lower	Upper
130	100		
95	97.8	0.0	198.6



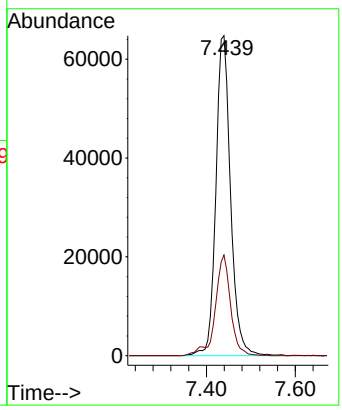


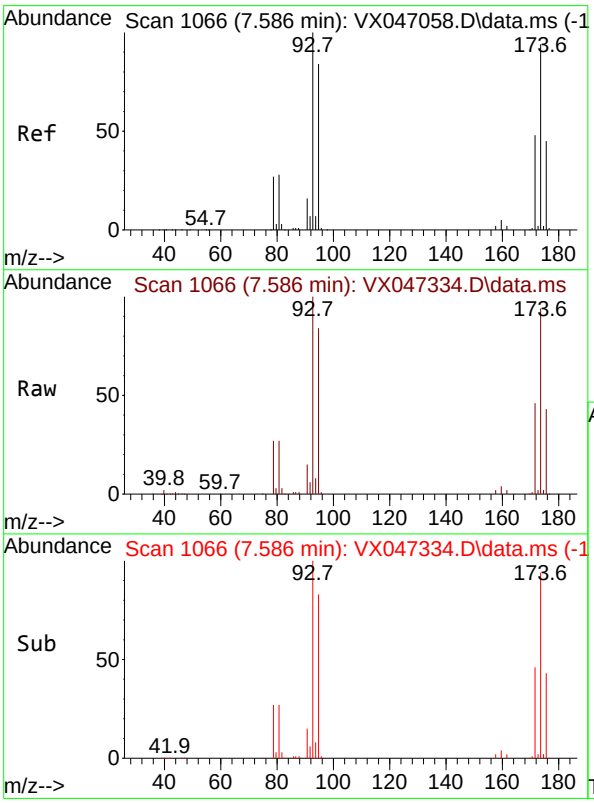
#45
1,2-Dichloropropane
Concen: 53.617 ug/l
RT: 7.439 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 148168

Ion	Ratio	Lower	Upper
63	100		
65	31.4	26.3	39.5

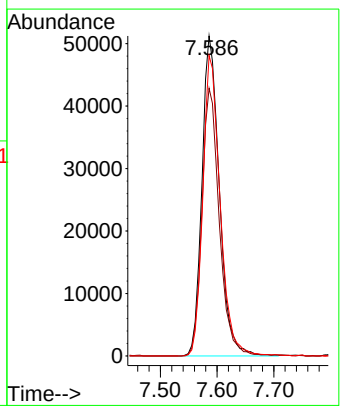


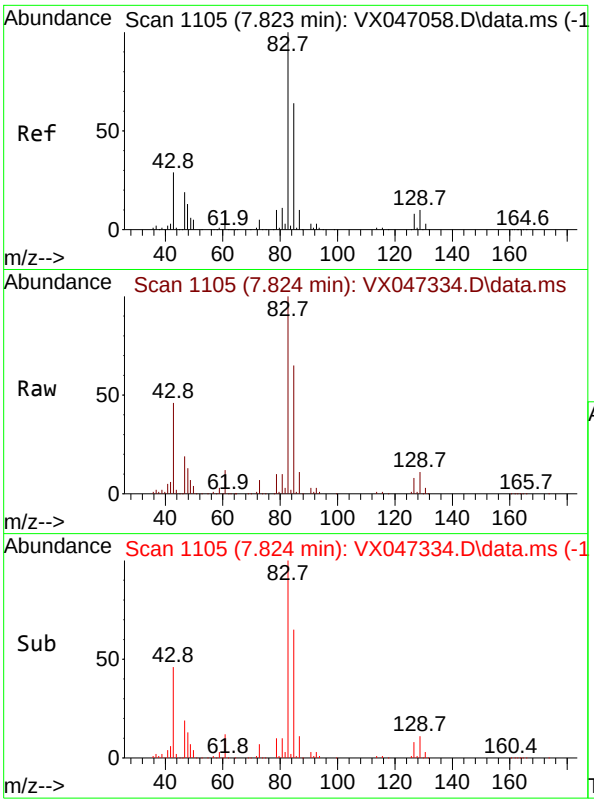


#46
Dibromomethane
Concen: 56.394 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 93 Resp: 109285

Ion	Ratio	Lower	Upper
93	100		
95	83.5	65.9	98.9
174	93.5	74.6	112.0



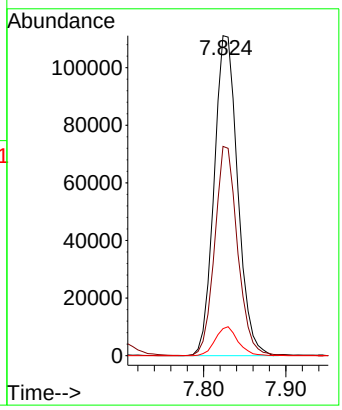


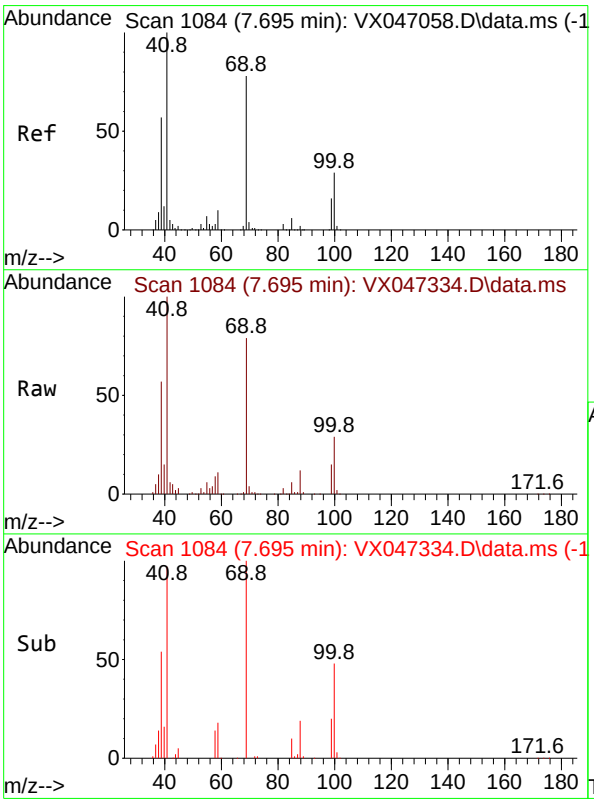
#47
Bromodichloromethane
Concen: 53.726 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 221607

Ion	Ratio	Lower	Upper
83	100		
85	66.3	49.9	74.9
127	8.4	6.6	10.0

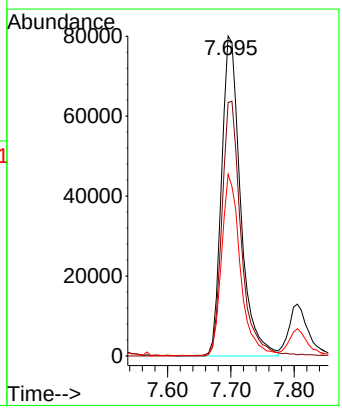


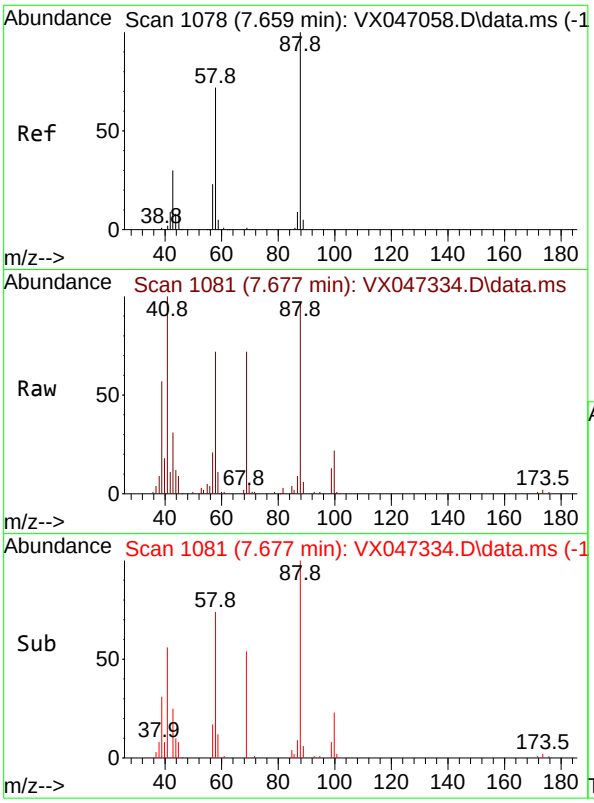


#48
Methyl methacrylate
Concen: 55.869 ug/l
RT: 7.695 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 41 Resp: 166691

Ion	Ratio	Lower	Upper
41	100		
69	80.1	62.3	93.5
39	56.0	44.8	67.2



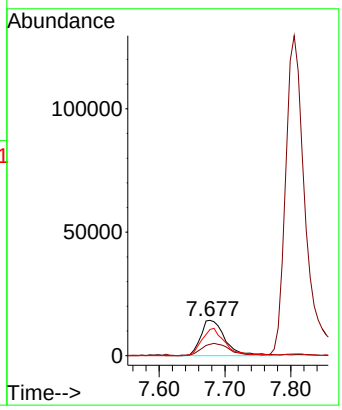


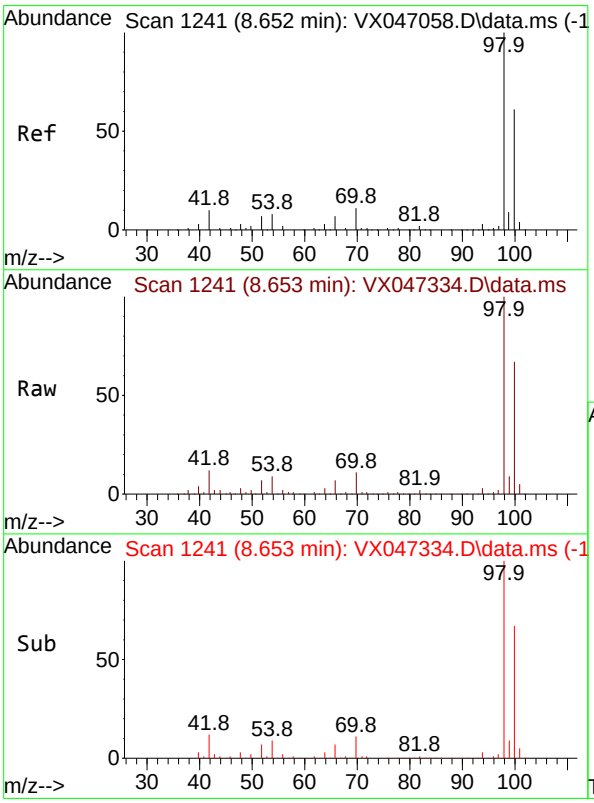
#49
1,4-Dioxane
Concen: 1096.675 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.018 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 37215

Ion	Ratio	Lower	Upper
88	100		
43	40.2	33.6	50.4
58	72.9	58.8	88.2

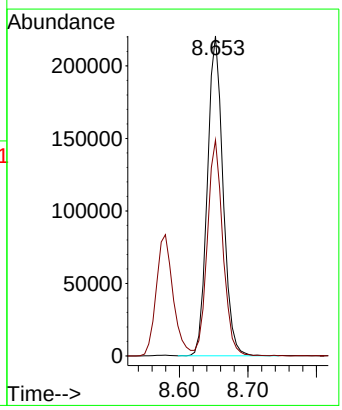


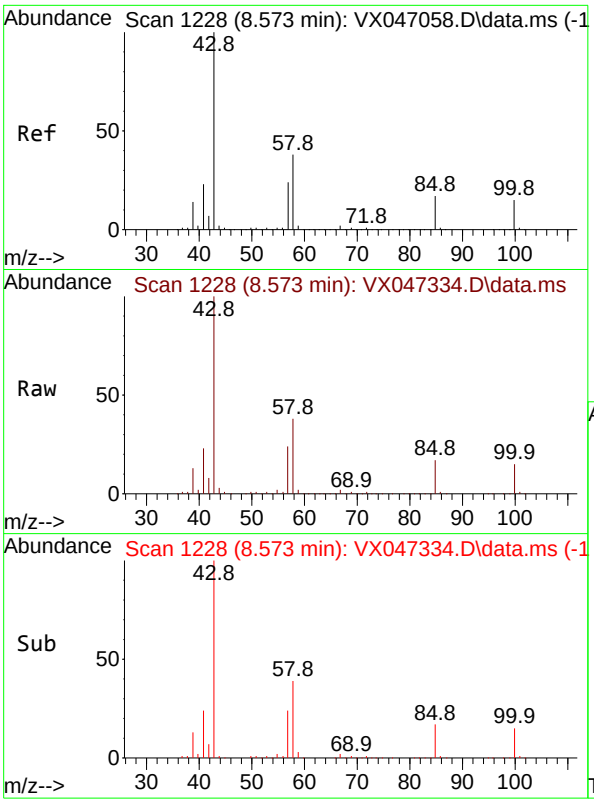


#50
Toluene-d8
Concen: 48.401 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 98 Resp: 350581

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.3	79.9



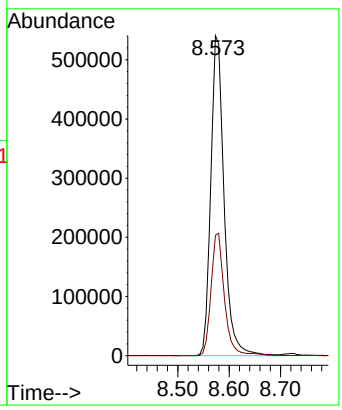


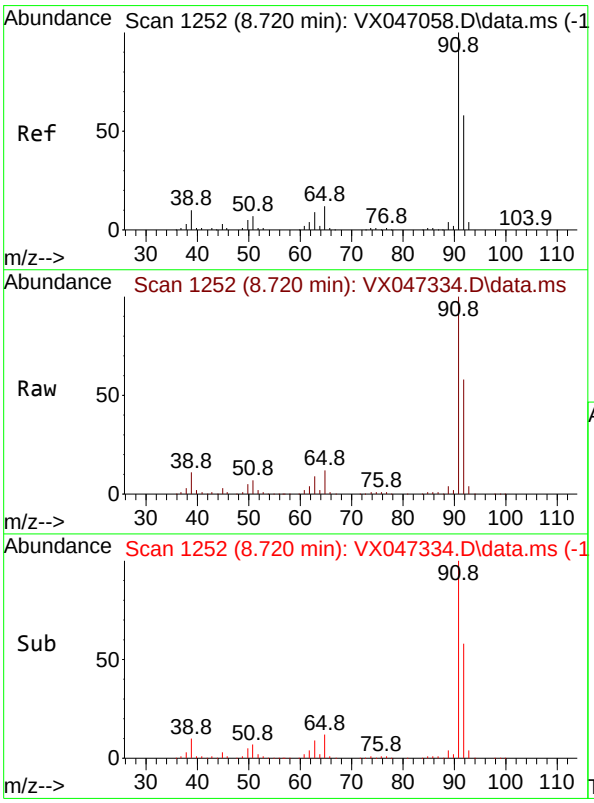
#51
4-Methyl-2-Pentanone
Concen: 298.510 ug/l
RT: 8.573 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 971754

Ion	Ratio	Lower	Upper
43	100		
58	38.6	30.6	45.8

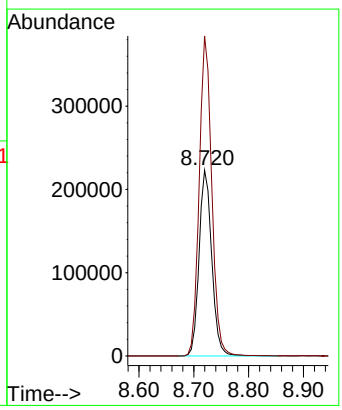


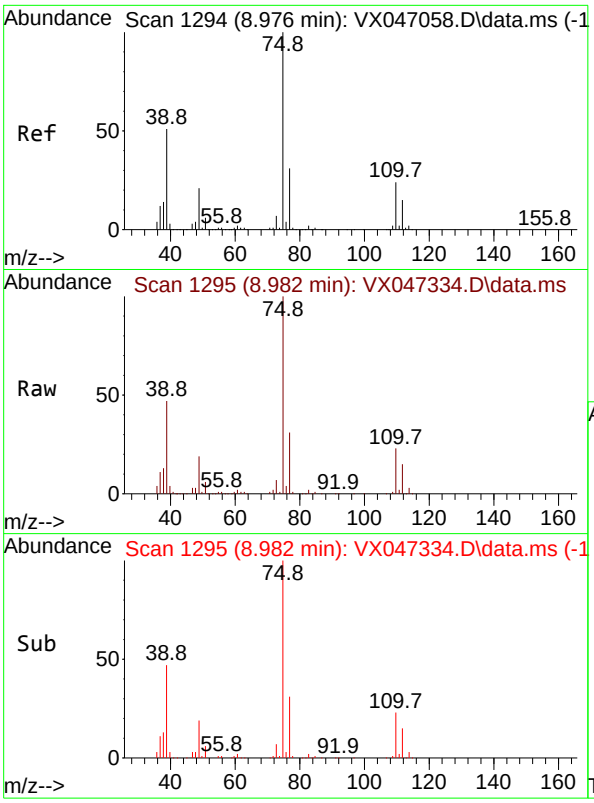


#52
Toluene
Concen: 52.894 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 92 Resp: 358851

Ion	Ratio	Lower	Upper
92	100		
91	170.4	137.9	206.9



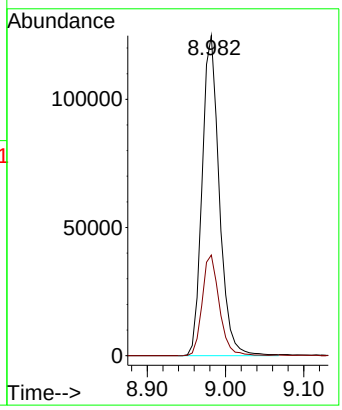


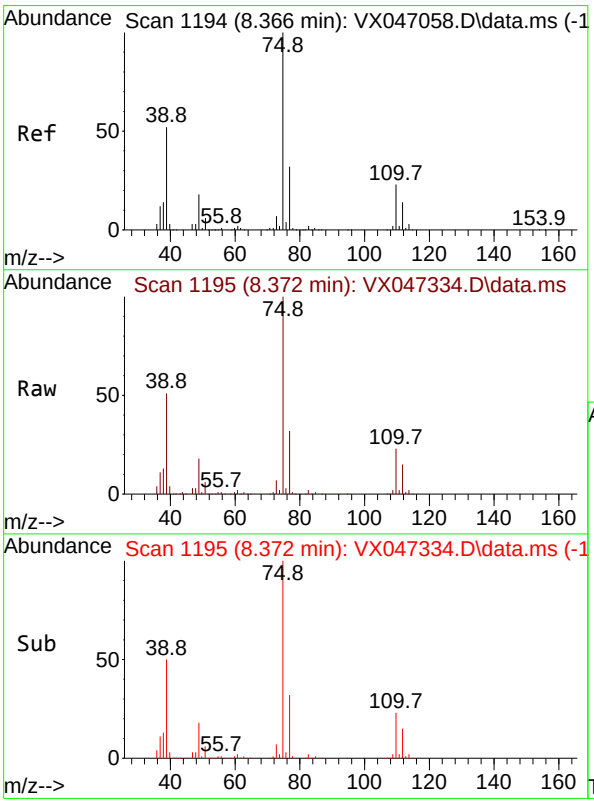
#53
t-1,3-Dichloropropene
Concen: 48.781 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 190007

Ion	Ratio	Lower	Upper
75	100		
77	31.5	24.5	36.7

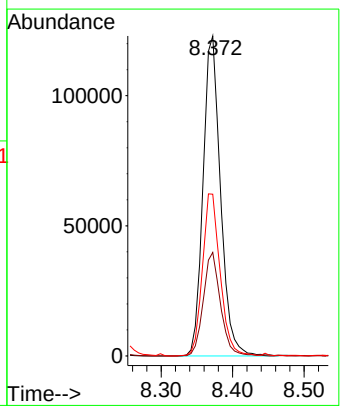


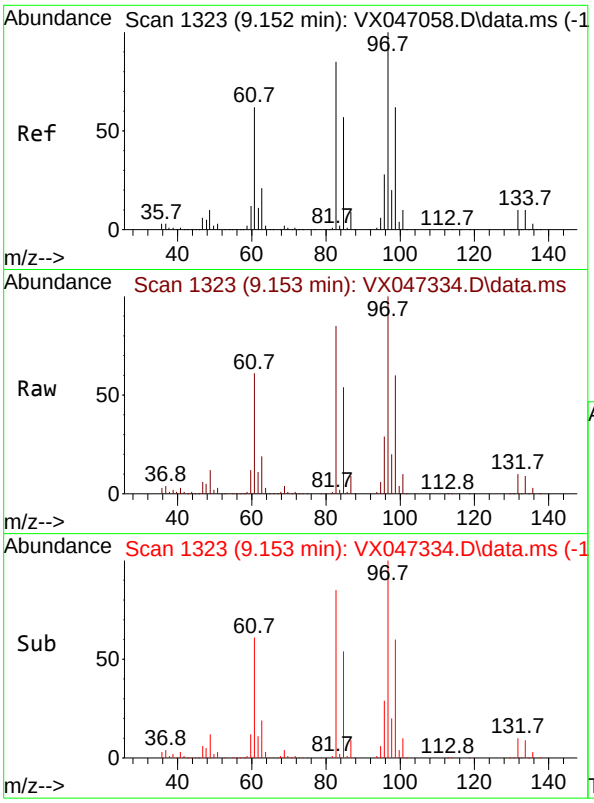


#54
cis-1,3-Dichloropropene
Concen: 49.007 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 75 Resp: 208919

Ion	Ratio	Lower	Upper
75	100		
77	32.3	25.4	38.0
39	50.3	41.8	62.6



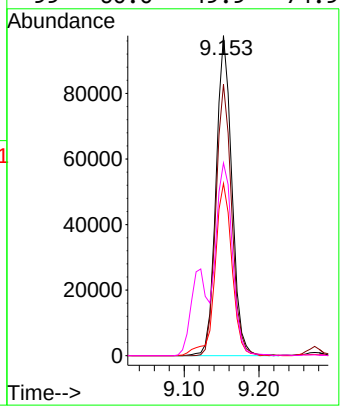


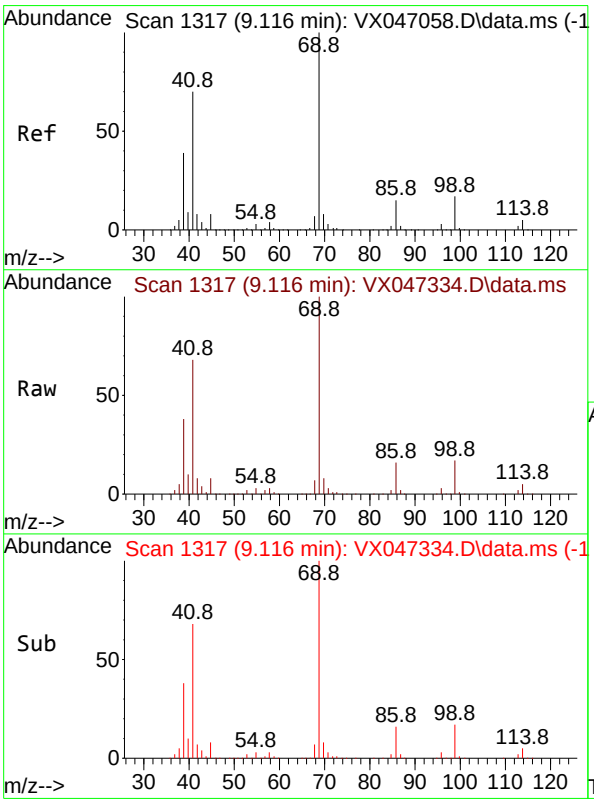
#55
1,1,2-Trichloroethane
Concen: 56.437 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 143591

Ion	Ratio	Lower	Upper
97	100		
83	84.7	68.0	102.0
85	53.7	45.2	67.8
99	60.0	49.9	74.9

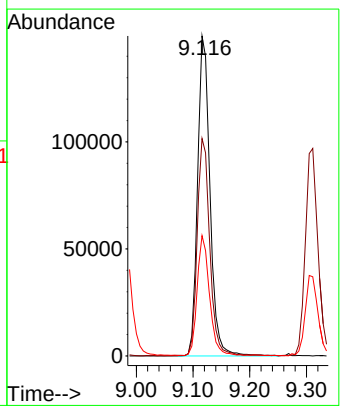


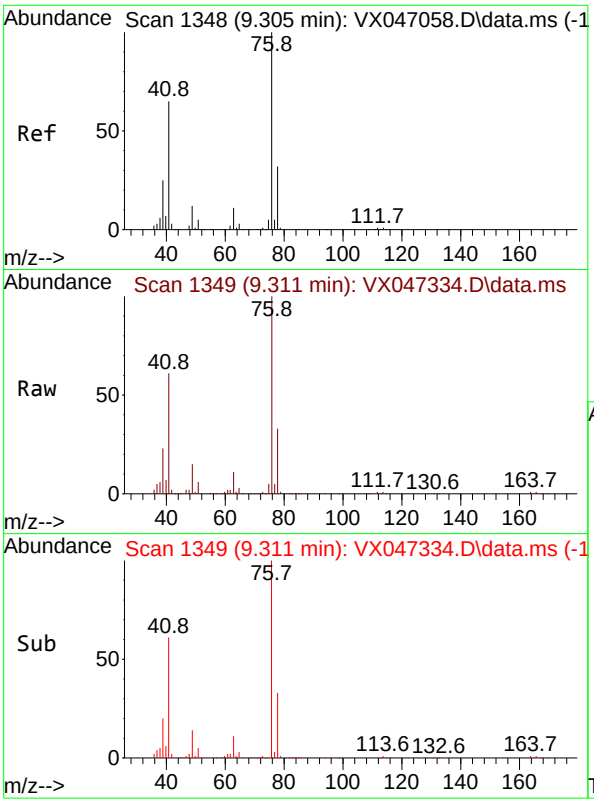


#56
Ethyl methacrylate
Concen: 60.258 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 69 Resp: 226969

Ion	Ratio	Lower	Upper
69	100		
41	68.8	56.1	84.1
39	37.1	31.1	46.7



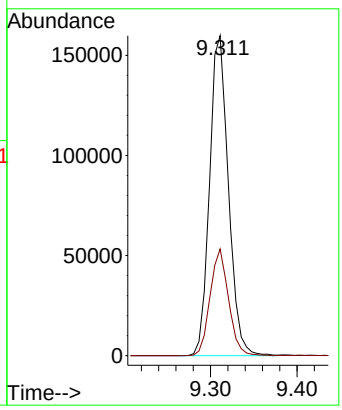


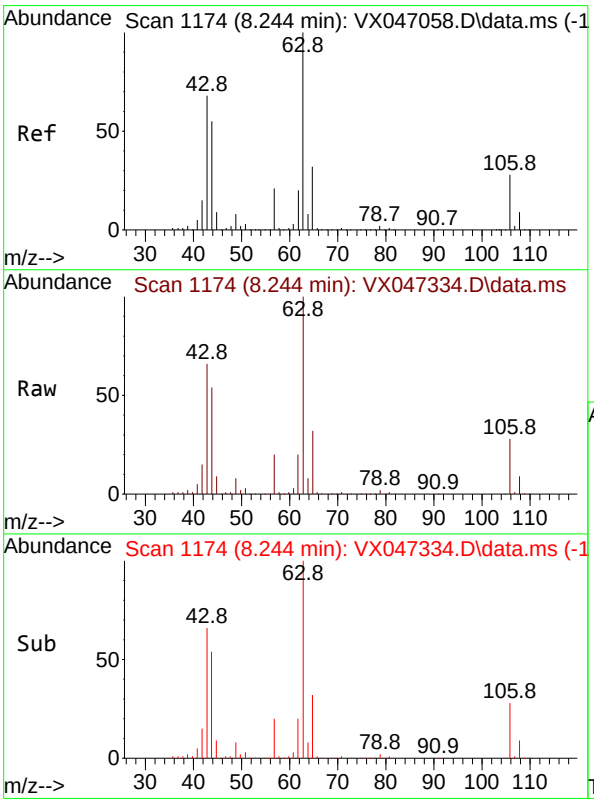
#57
1,3-Dichloropropane
Concen: 54.612 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 241487

Ion	Ratio	Lower	Upper
76	100		
78	32.6	25.5	38.3

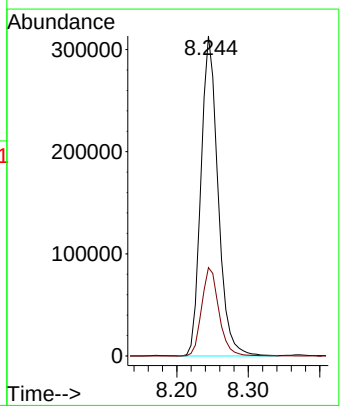


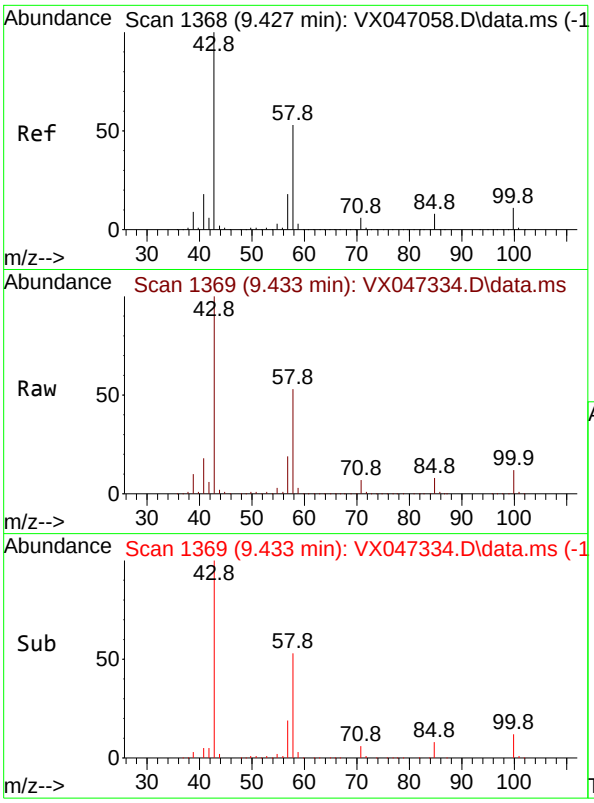


#58
2-Chloroethyl Vinyl ether
Concen: 248.283 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 63 Resp: 520399

Ion	Ratio	Lower	Upper
63	100		
106	27.8	22.2	33.4



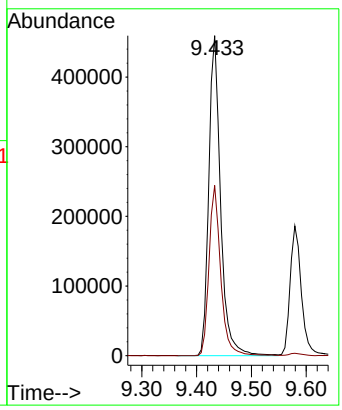


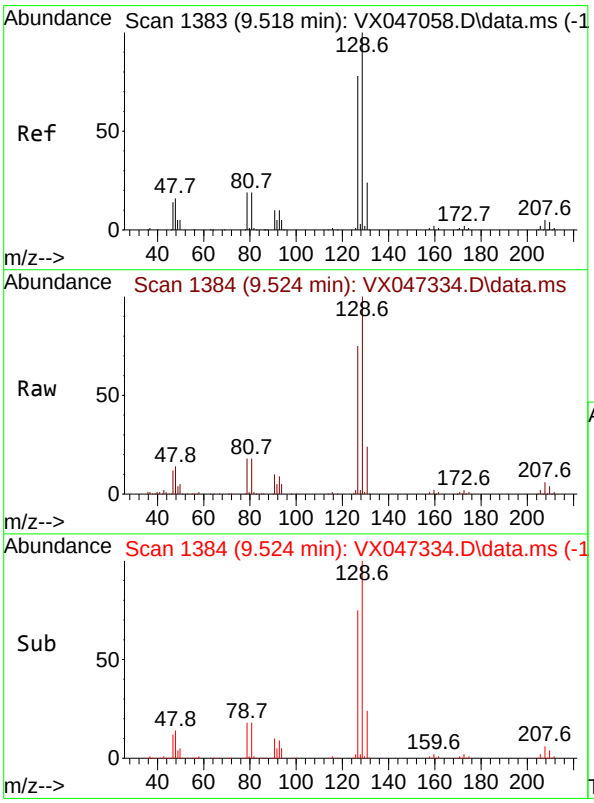
#59
2-Hexanone
Concen: 317.134 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 682075

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5

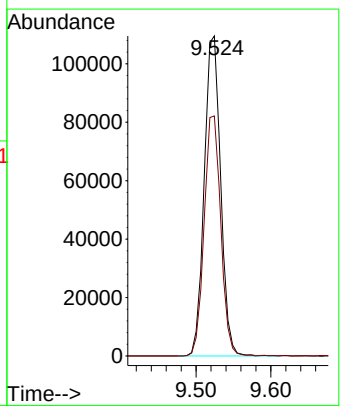


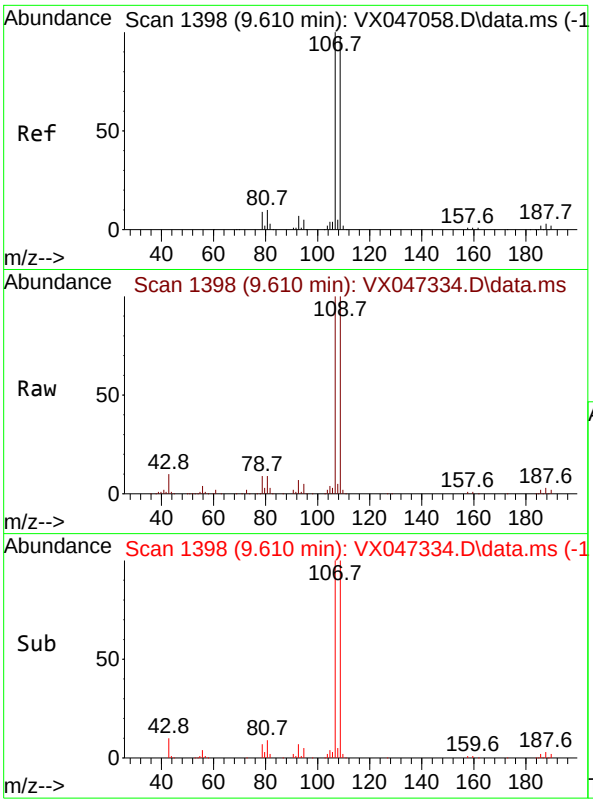


#60
Dibromochloromethane
Concen: 55.953 ug/l
RT: 9.524 min Scan# 1384
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:129 Resp: 166965

Ion	Ratio	Lower	Upper
129	100		
127	76.0	38.6	115.8



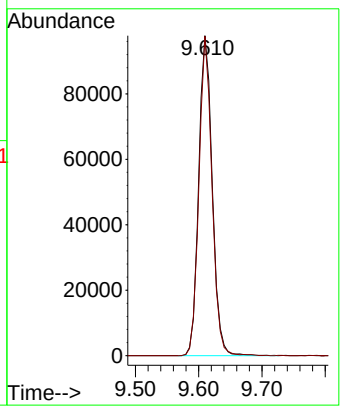


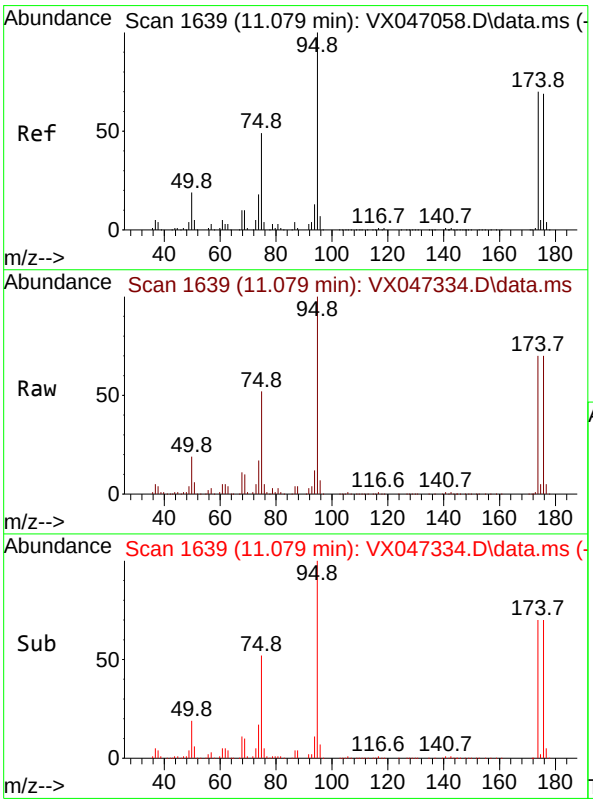
#61
1,2-Dibromoethane
Concen: 54.984 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 146279

Ion	Ratio	Lower	Upper
107	100		
109	95.9	74.6	112.0

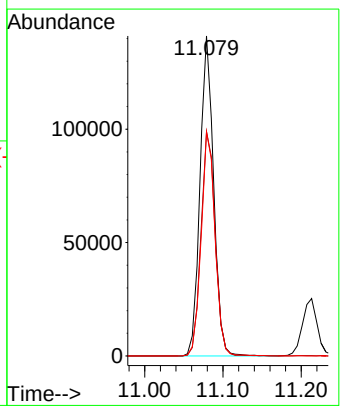


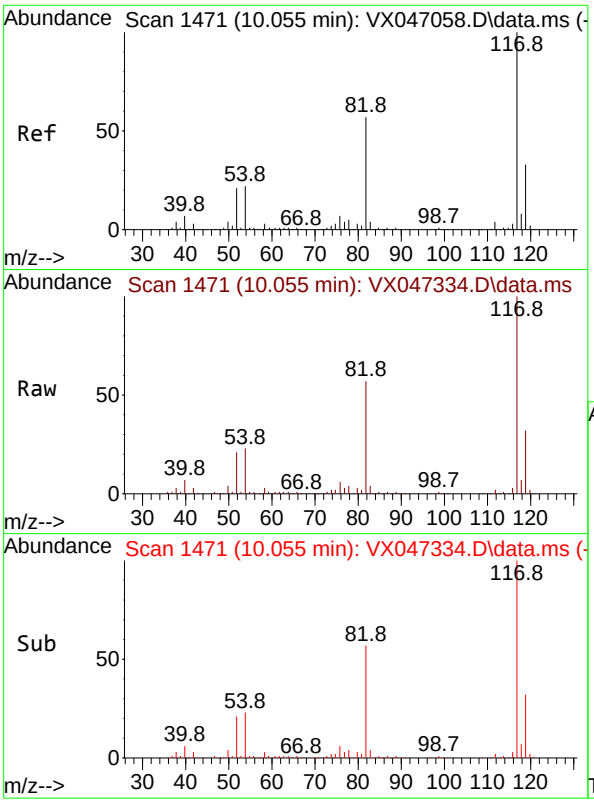


#62
4-Bromofluorobenzene
Concen: 54.458 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 95 Resp: 169988

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	144.6
176	71.4	0.0	139.6



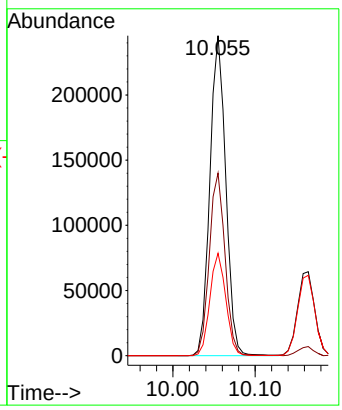


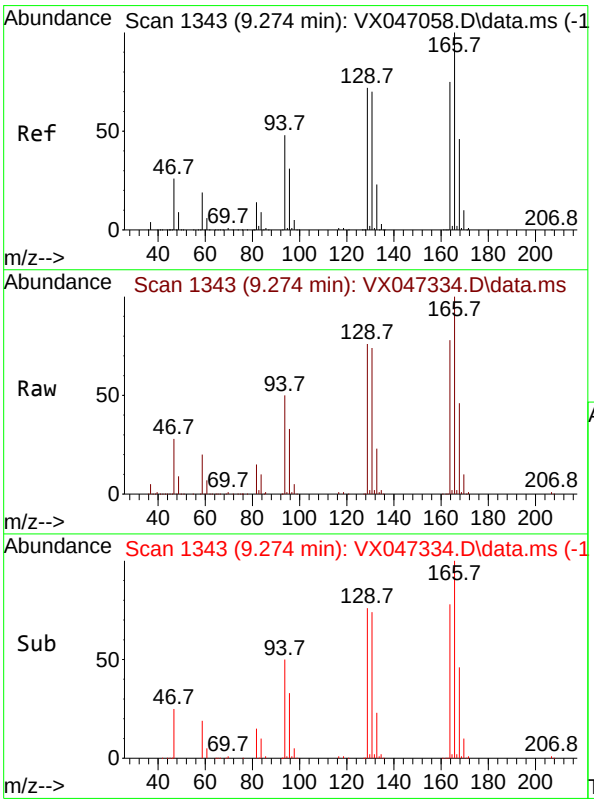
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 328856

Ion	Ratio	Lower	Upper
117	100		
82	57.0	45.4	68.2
119	32.0	26.1	39.1

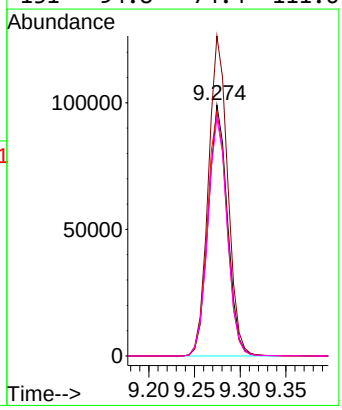


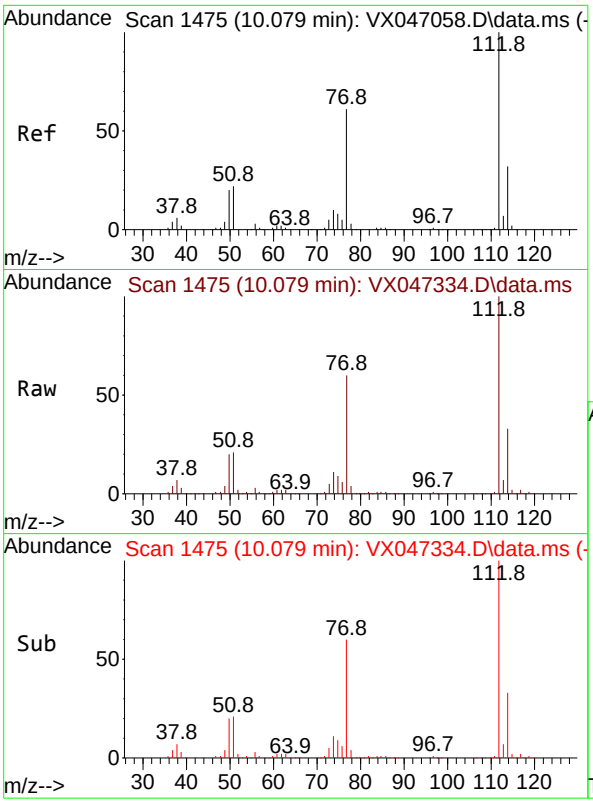


#64
Tetrachloroethene
Concen: 61.091 ug/l
RT: 9.274 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:164 Resp: 144828

Ion	Ratio	Lower	Upper
164	100		
166	127.6	106.2	159.4
129	97.3	76.6	114.8
131	94.8	74.4	111.6



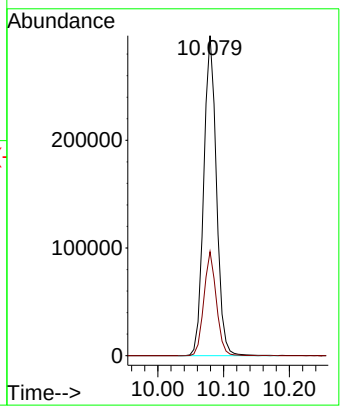


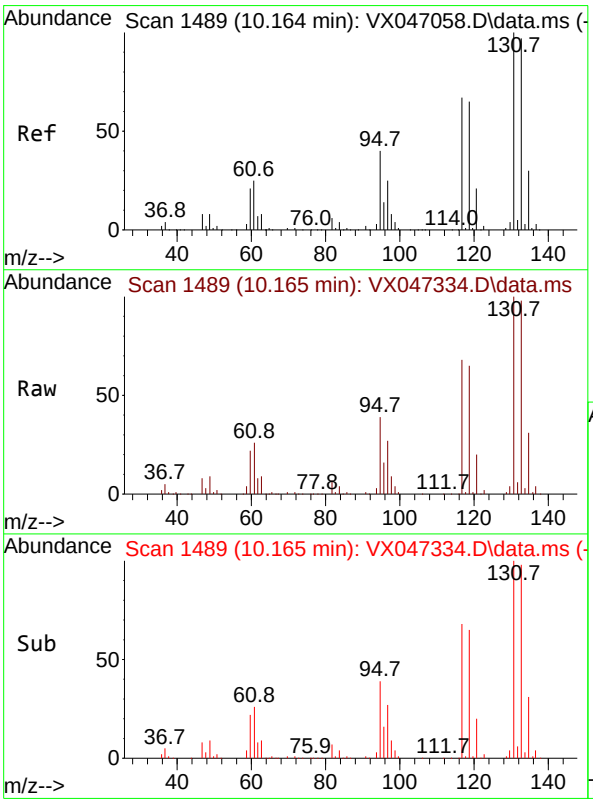
#65
Chlorobenzene
Concen: 51.735 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 398565

Ion	Ratio	Lower	Upper
112	100		
114	32.5	25.8	38.6

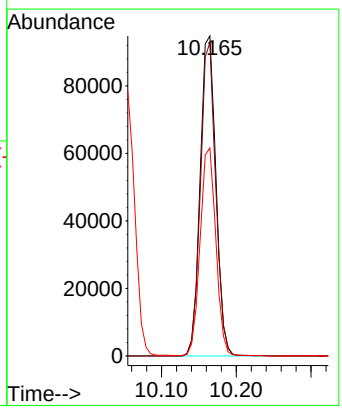


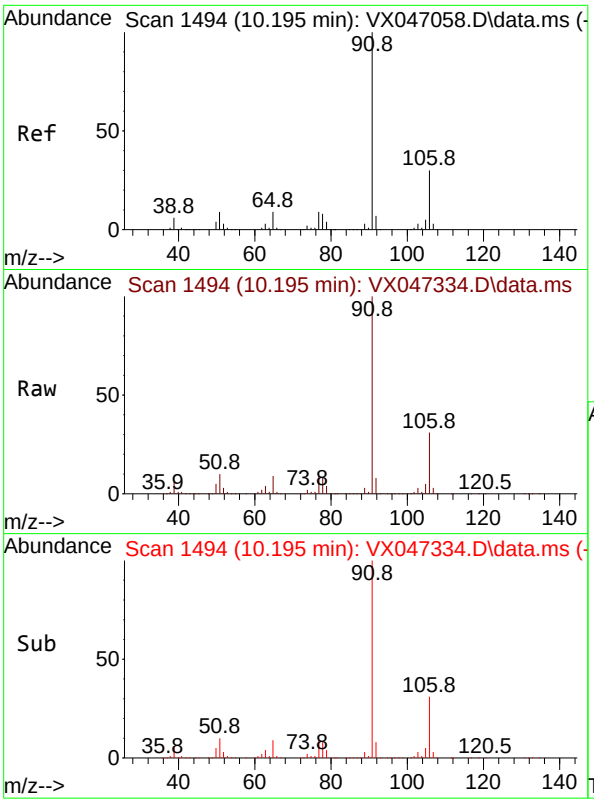


#66
1,1,1,2-Tetrachloroethane
Concen: 53.426 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:131 Resp: 138574

Ion	Ratio	Lower	Upper
131	100		
133	95.1	48.4	145.3
119	64.8	32.4	97.0



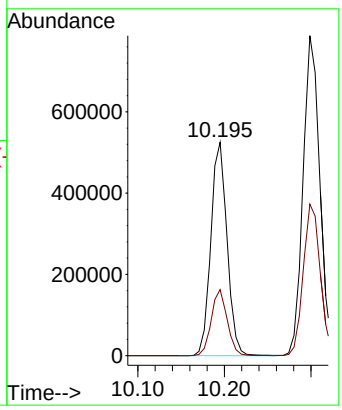


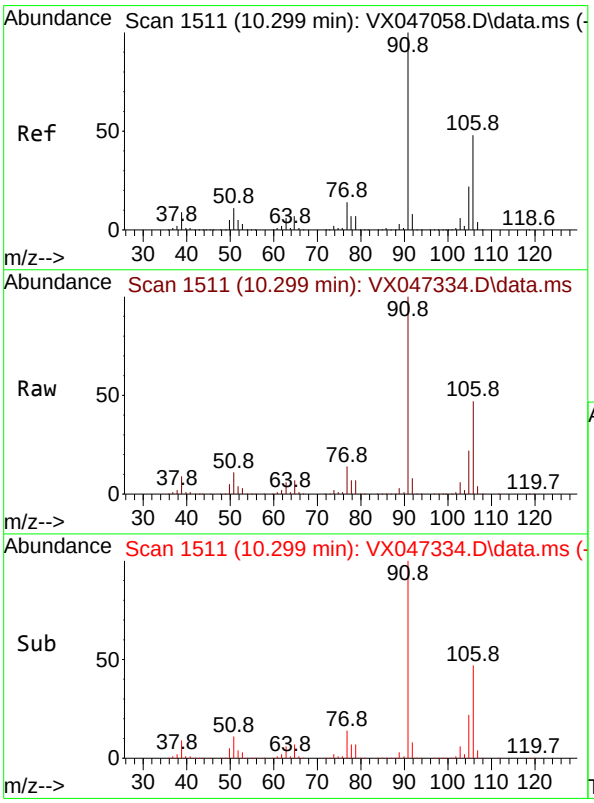
#67
Ethyl Benzene
Concen: 50.679 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 682645

Ion	Ratio	Lower	Upper
91	100		
106	30.9	24.2	36.4

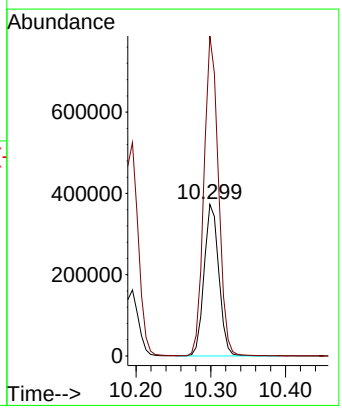


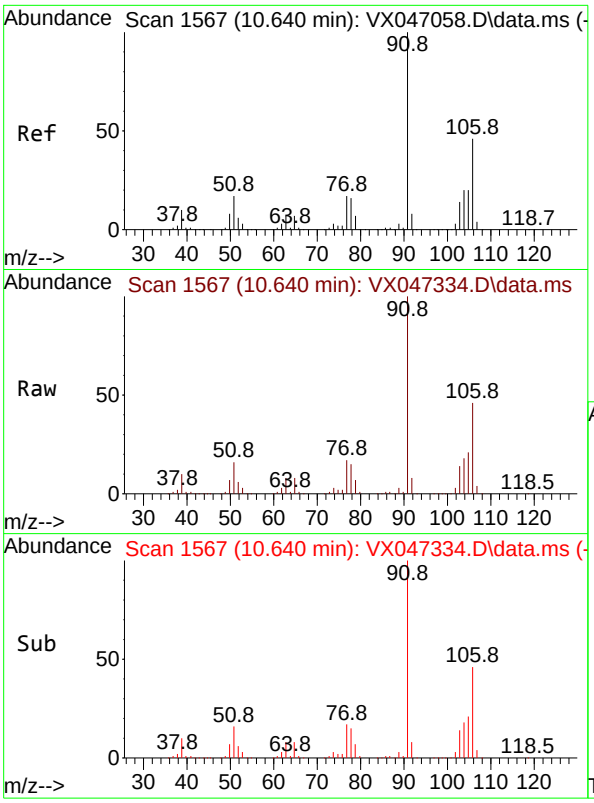


#68
m/p-Xylenes
Concen: 101.242 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:106 Resp: 510341

Ion	Ratio	Lower	Upper
106	100		
91	207.8	167.4	251.0



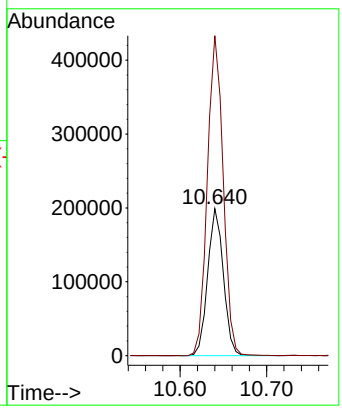


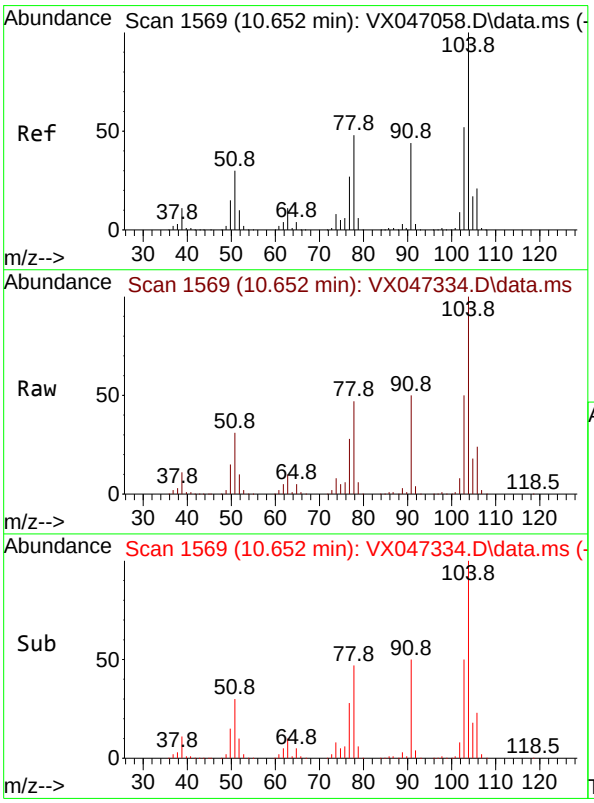
#69
o-Xylene
Concen: 52.266 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 250637

Ion	Ratio	Lower	Upper
106	100		
91	219.8	110.3	331.0

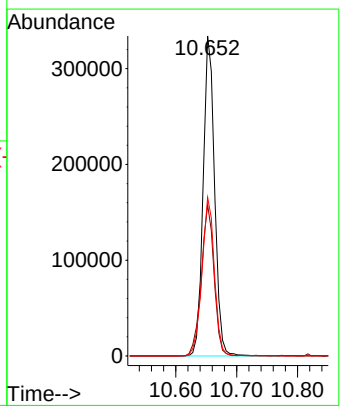


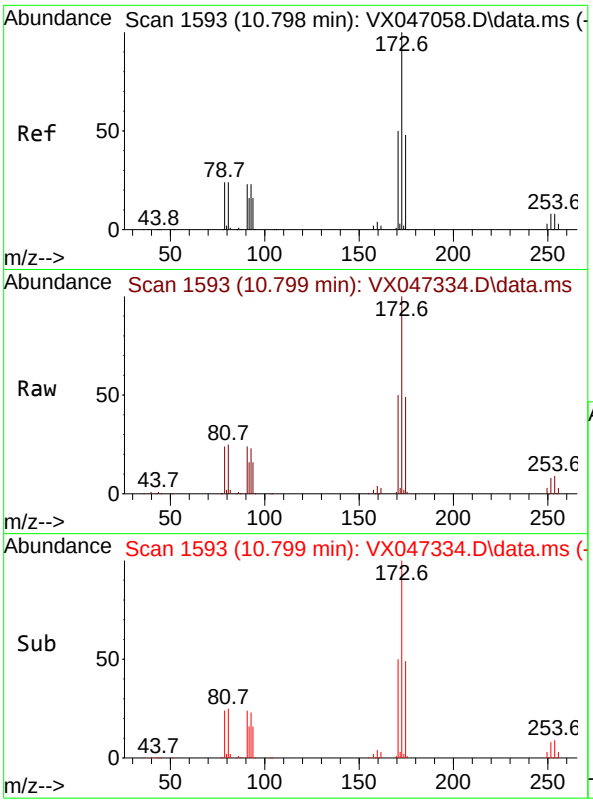


#70
Styrene
Concen: 53.262 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:104 Resp: 437969

Ion	Ratio	Lower	Upper
104	100		
78	52.3	42.0	63.0
103	53.9	43.8	65.6



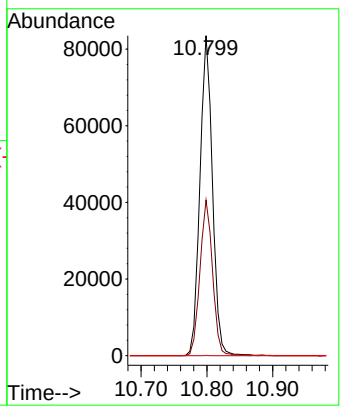


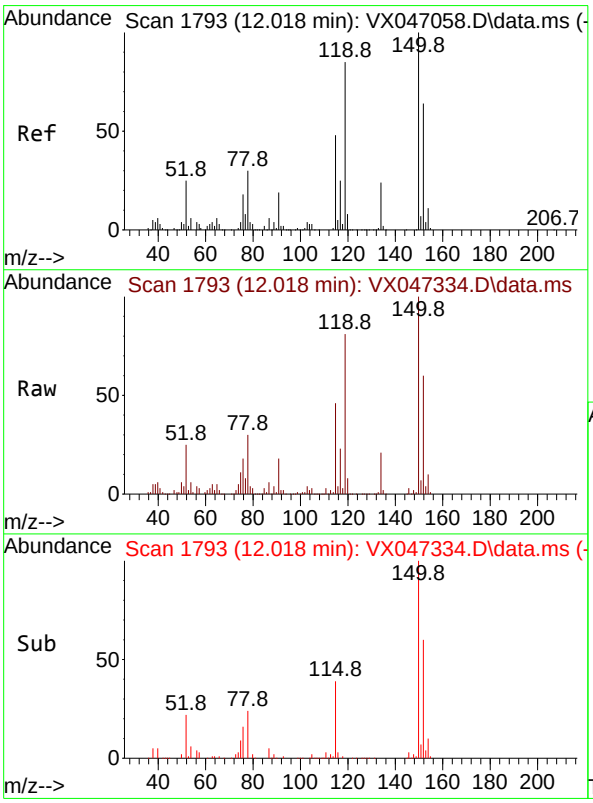
#71
Bromoform
Concen: 55.976 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 110290

Ion	Ratio	Lower	Upper
173	100		
175	48.9	24.2	72.6
254	0.0	0.1	0.1#

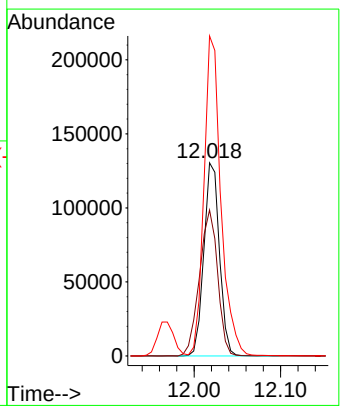


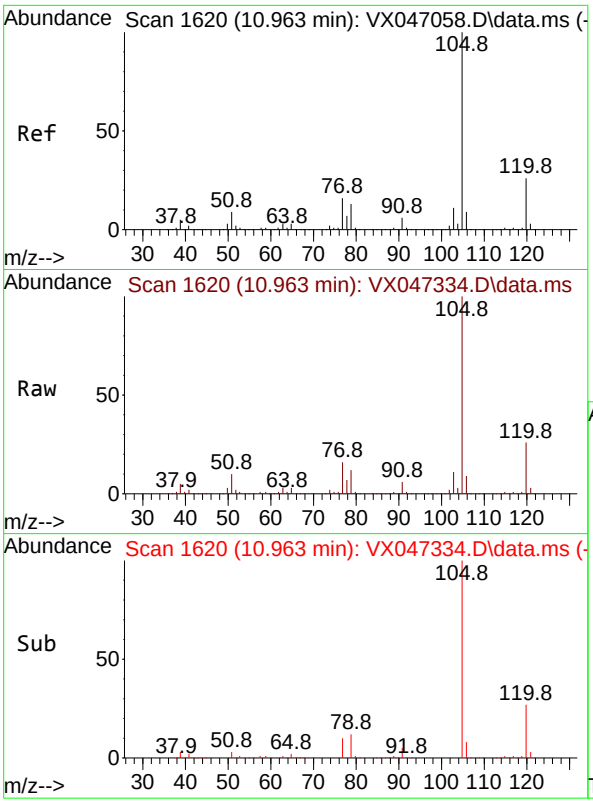


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:152 Resp: 162794

Ion	Ratio	Lower	Upper
152	100		
115	88.4	45.6	136.7
150	180.4	0.0	354.6



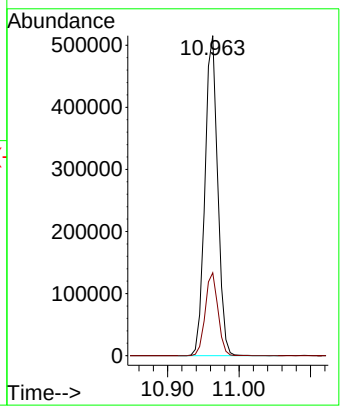


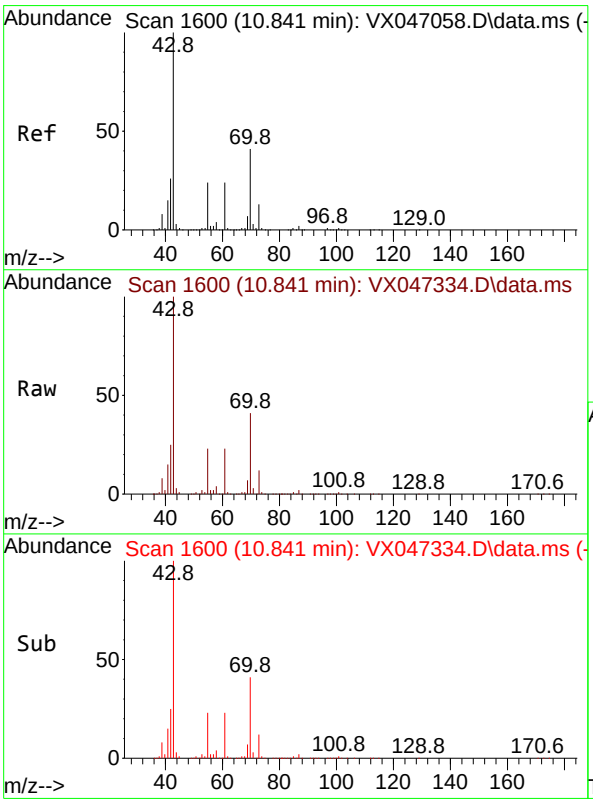
#73
Isopropylbenzene
Concen: 49.743 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 638868

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

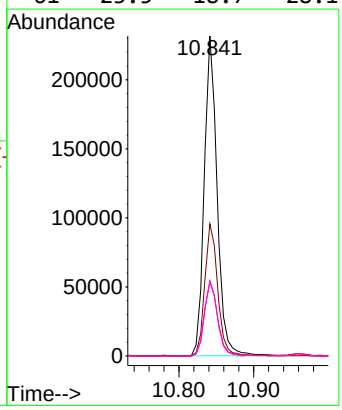


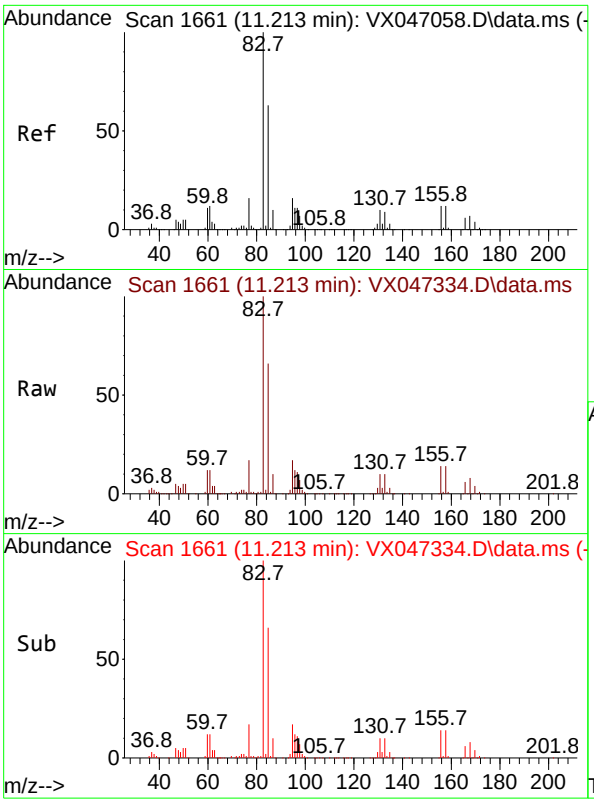


#74
N-amyl acetate
Concen: 53.447 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 43 Resp: 276966

Ion	Ratio	Lower	Upper
43	100		
70	41.9	32.3	48.5
55	24.4	18.9	28.3
61	23.5	18.7	28.1



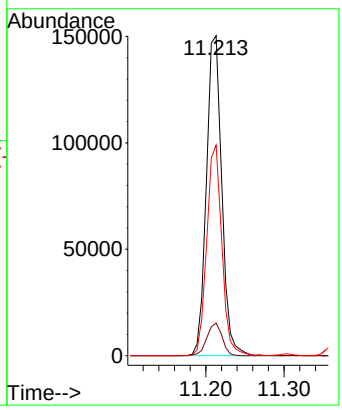


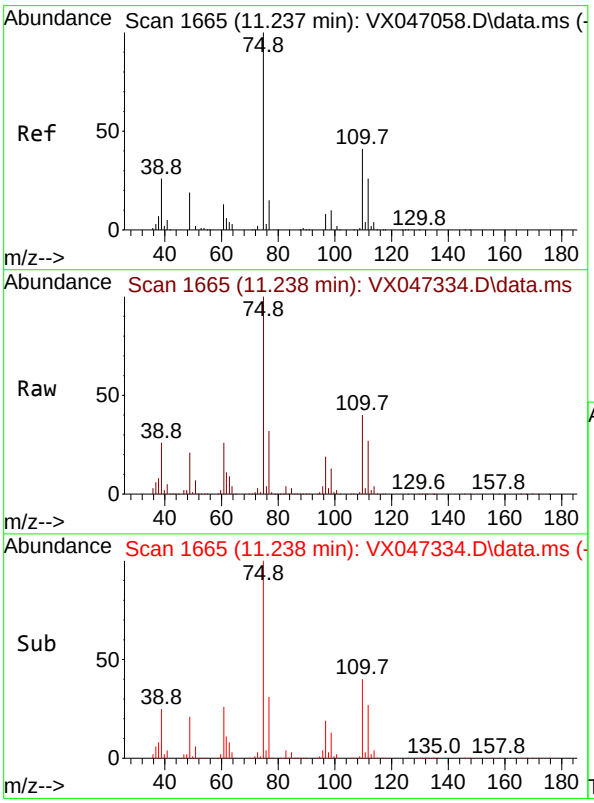
#75
1,1,2,2-Tetrachloroethane
Concen: 55.852 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 204903

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	64.5	32.0	96.2

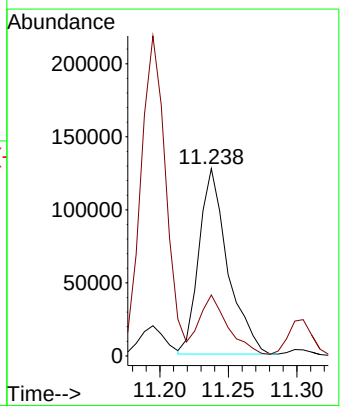


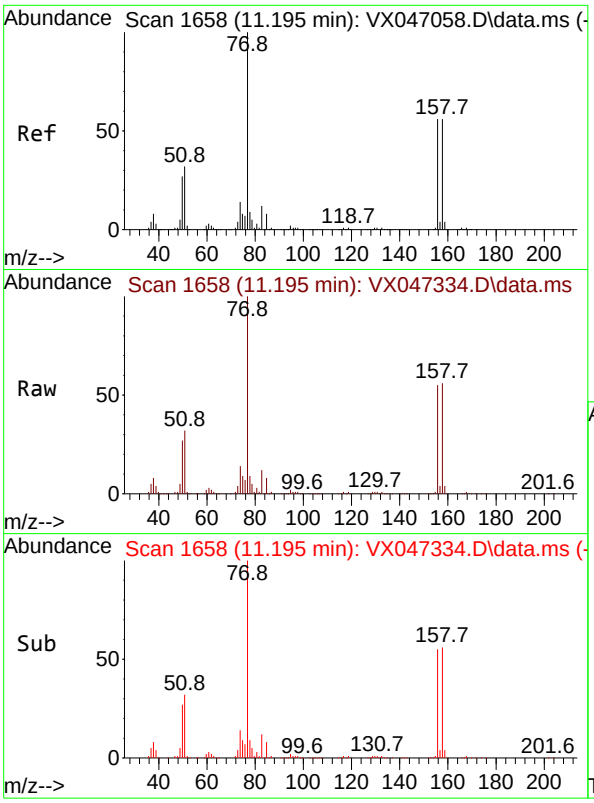


#76
1,2,3-Trichloropropane
Concen: 61.642 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 75 Resp: 185742

Ion	Ratio	Lower	Upper
75	100		
77	33.2	21.6	65.0



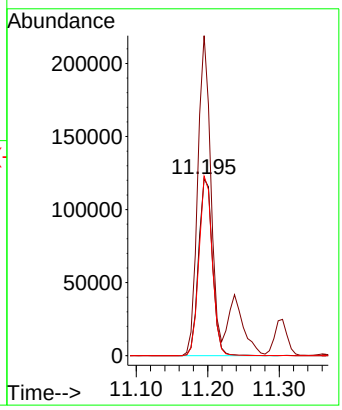


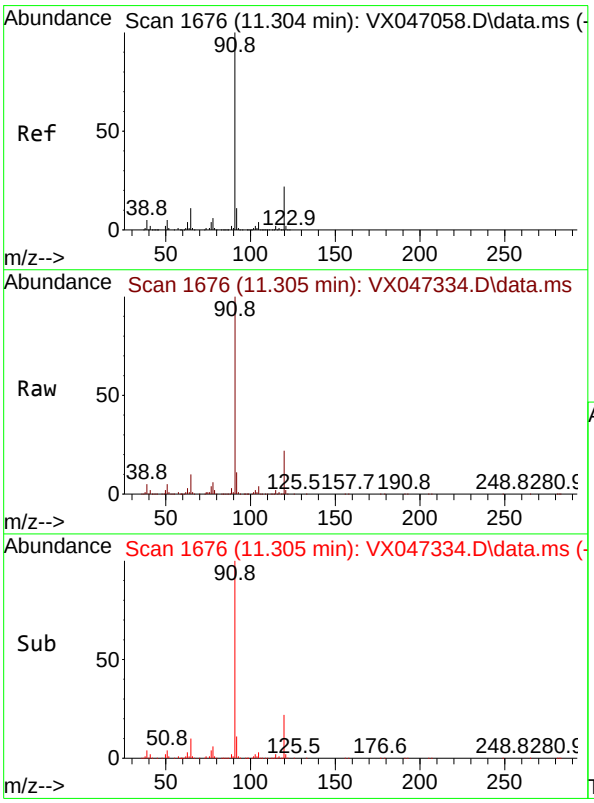
#77
Bromobenzene
Concen: 52.905 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 162977

Ion	Ratio	Lower	Upper
156	100		
77	170.4	87.3	261.9
158	97.6	48.9	146.6

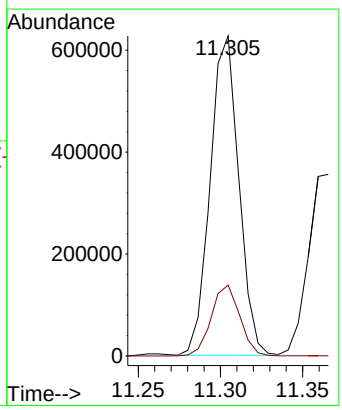


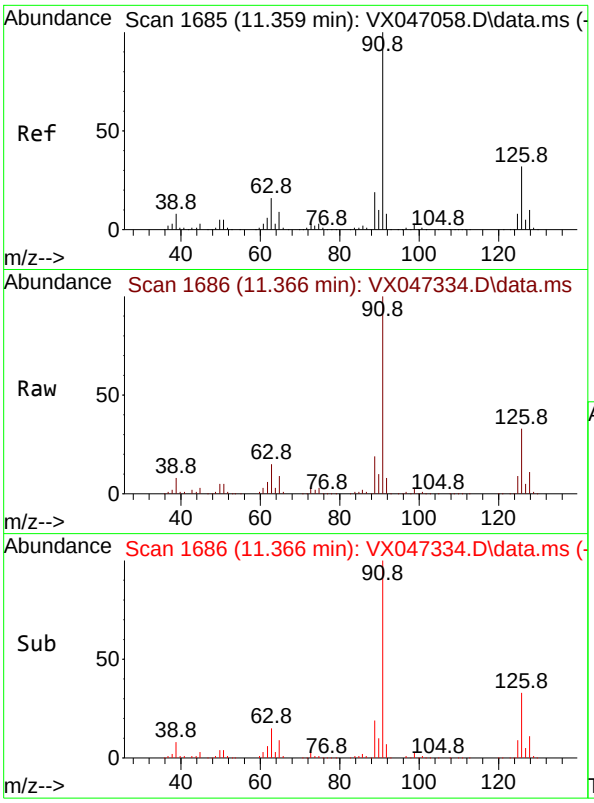


#78
n-propylbenzene
Concen: 49.480 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 91 Resp: 759407

Ion	Ratio	Lower	Upper
91	100		
120	22.1	11.0	33.0



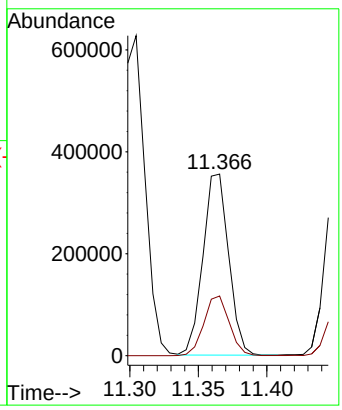


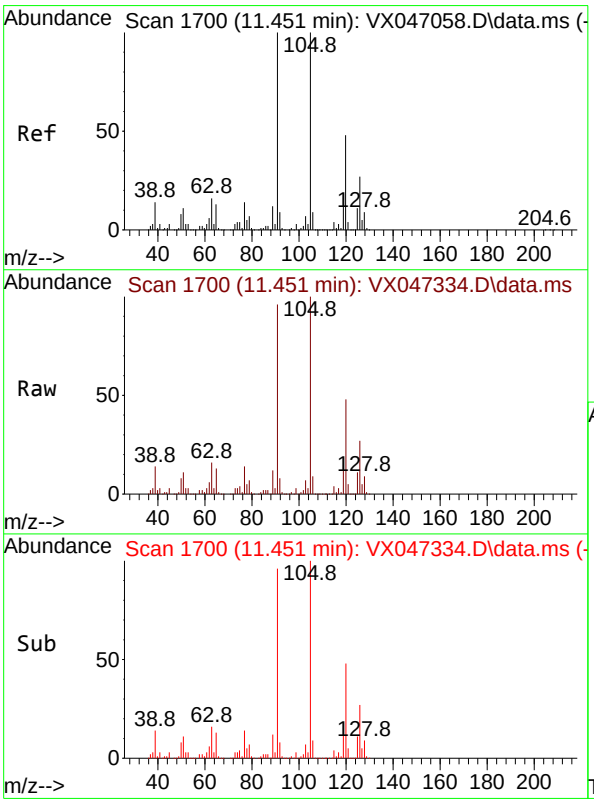
#79
2-Chlorotoluene
Concen: 50.591 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 464143

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4

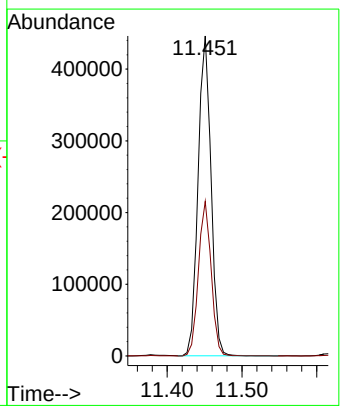


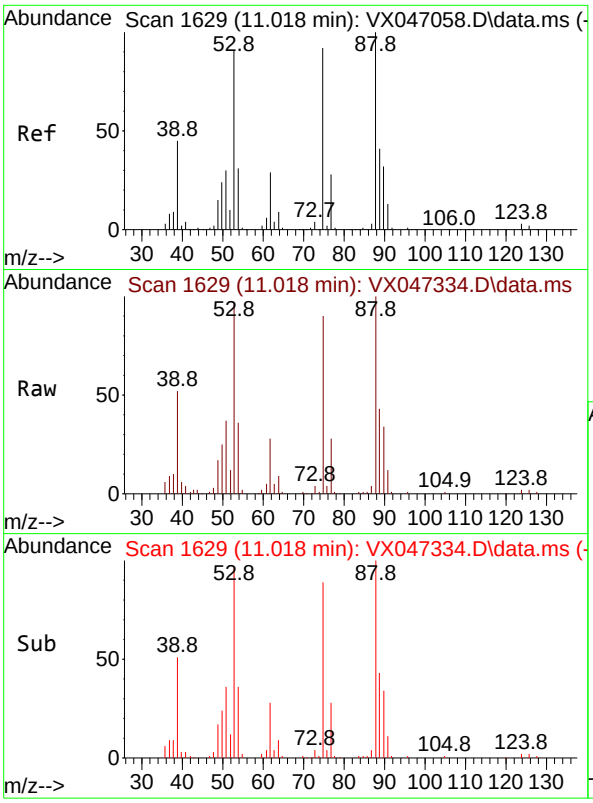


#80
1,3,5-Trimethylbenzene
Concen: 50.457 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:105 Resp: 535382

Ion	Ratio	Lower	Upper
105	100		
120	47.5	23.8	71.5



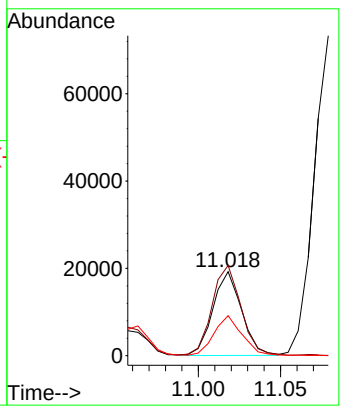


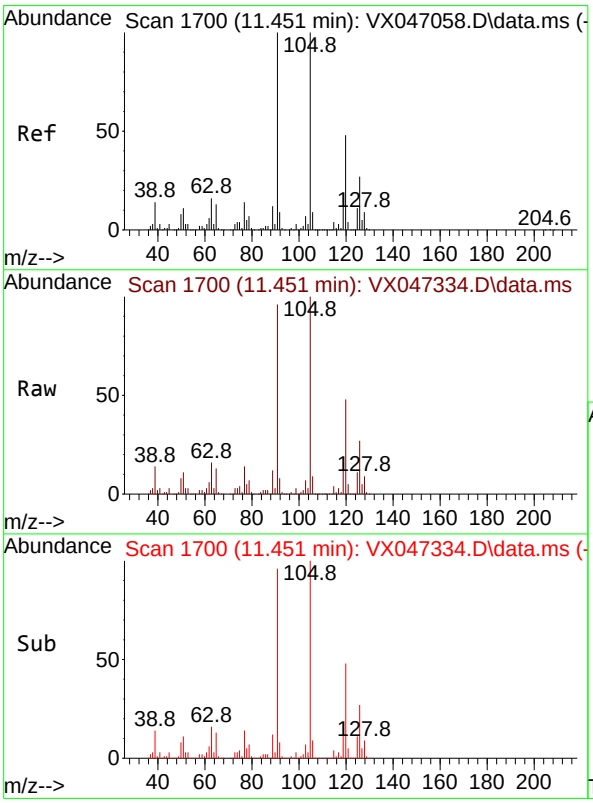
#81
trans-1,4-Dichloro-2-butene
Concen: 19.947 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 23329

Ion	Ratio	Lower	Upper
75	100		
53	106.7	84.2	126.4
89	47.5	36.0	54.0

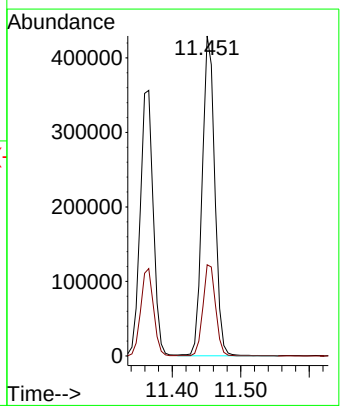


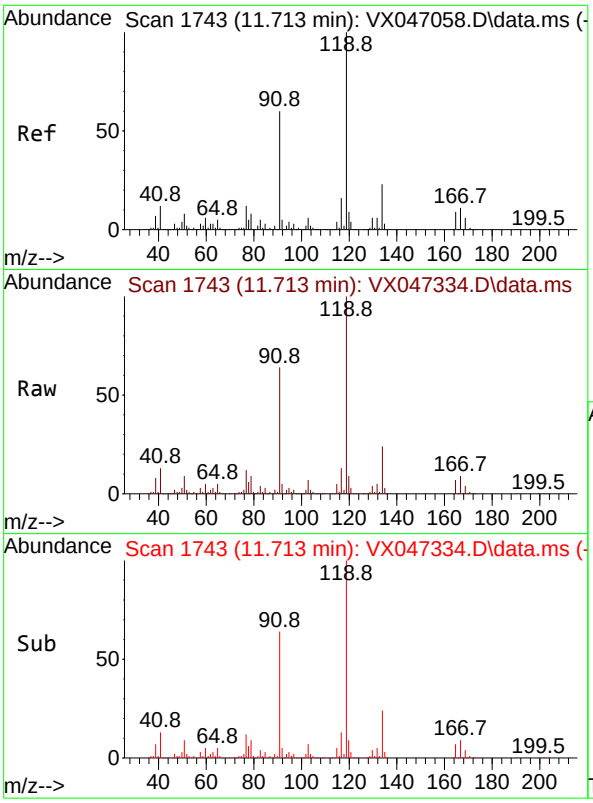


#82
4-Chlorotoluene
Concen: 51.133 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 91 Resp: 547556

Ion	Ratio	Lower	Upper
91	100		
126	28.7	14.1	42.3



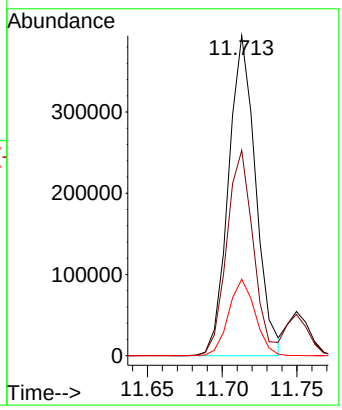


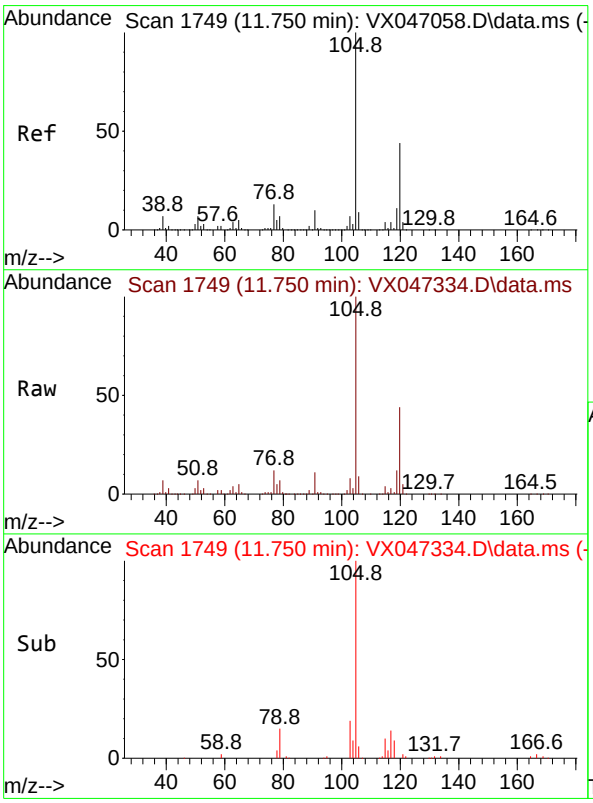
#83
tert-Butylbenzene
Concen: 46.723 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 497590

Ion	Ratio	Lower	Upper
119	100		
91	63.2	29.6	88.8
134	23.3	11.4	34.1

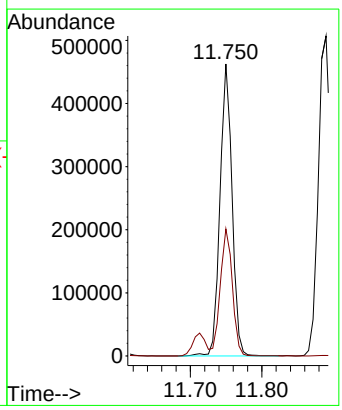


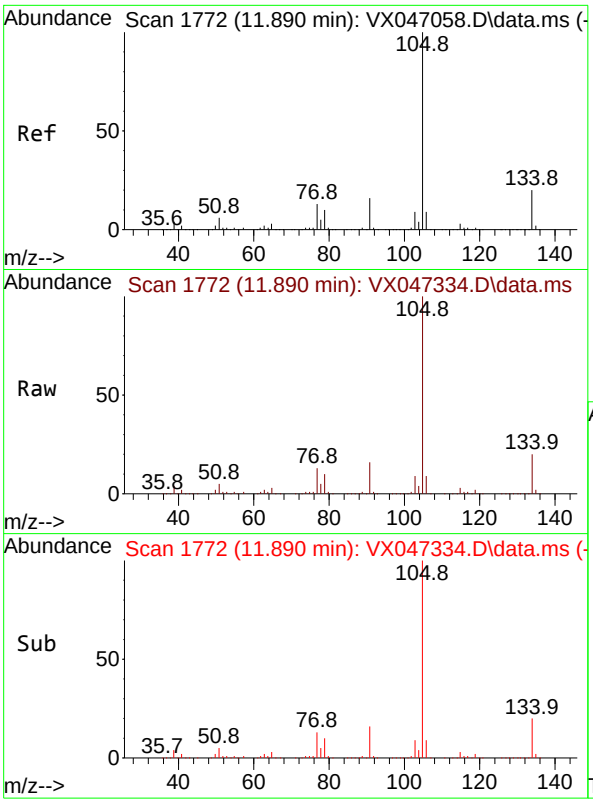


#84
1,2,4-Trimethylbenzene
Concen: 51.202 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:105 Resp: 541887

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.0	66.0



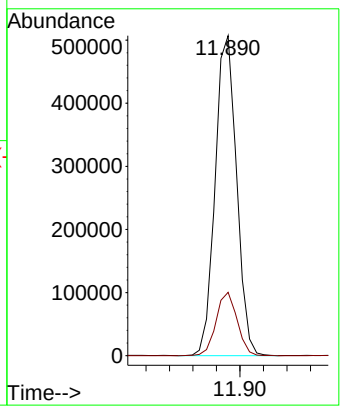


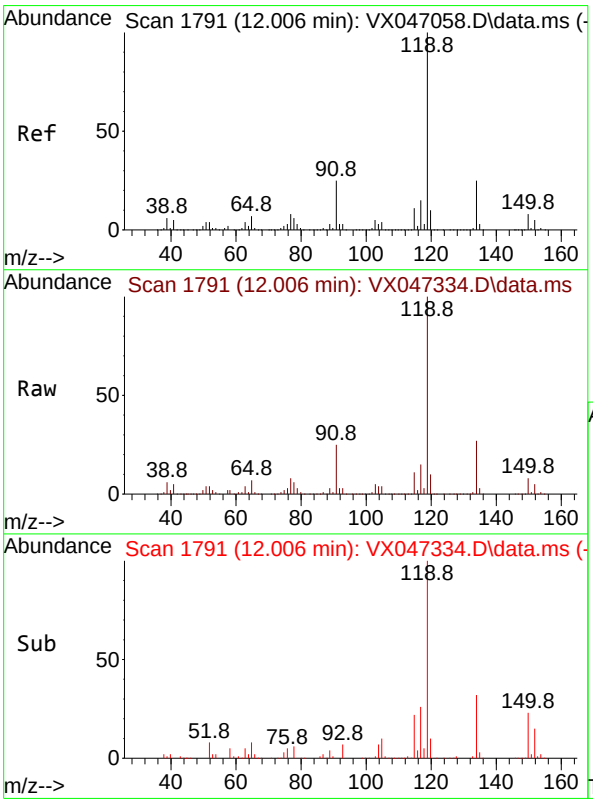
#85
sec-Butylbenzene
Concen: 48.296 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 642655

Ion	Ratio	Lower	Upper
105	100		
134	19.5	9.9	29.7

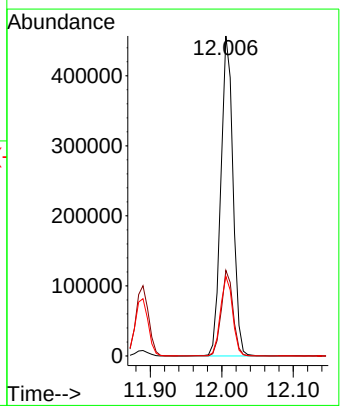


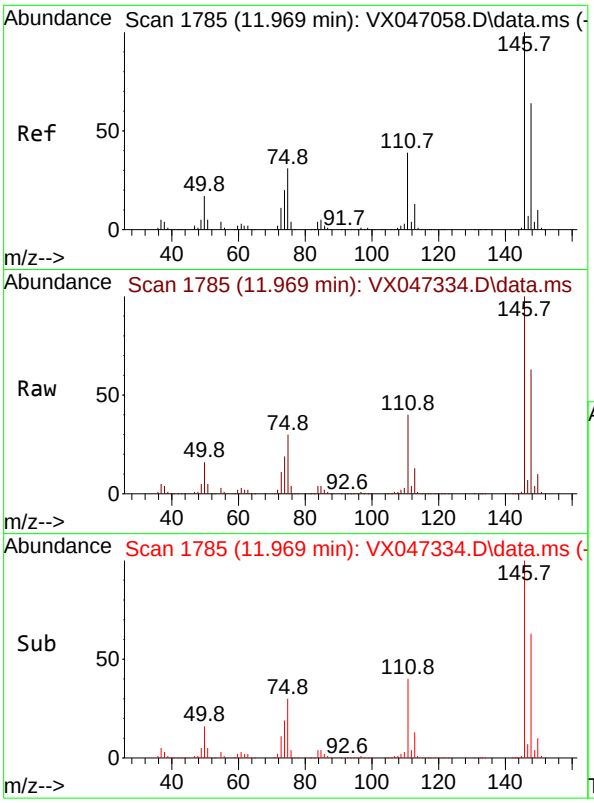


#86
p-Isopropyltoluene
Concen: 48.913 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:119 Resp: 539743

Ion	Ratio	Lower	Upper
119	100		
134	25.9	12.8	38.4
91	24.9	12.4	37.4



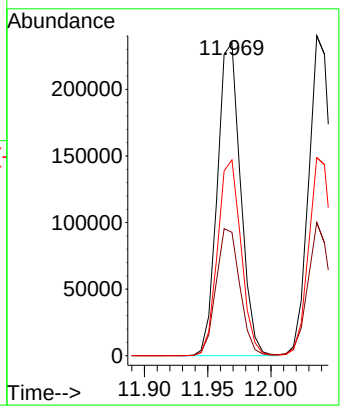


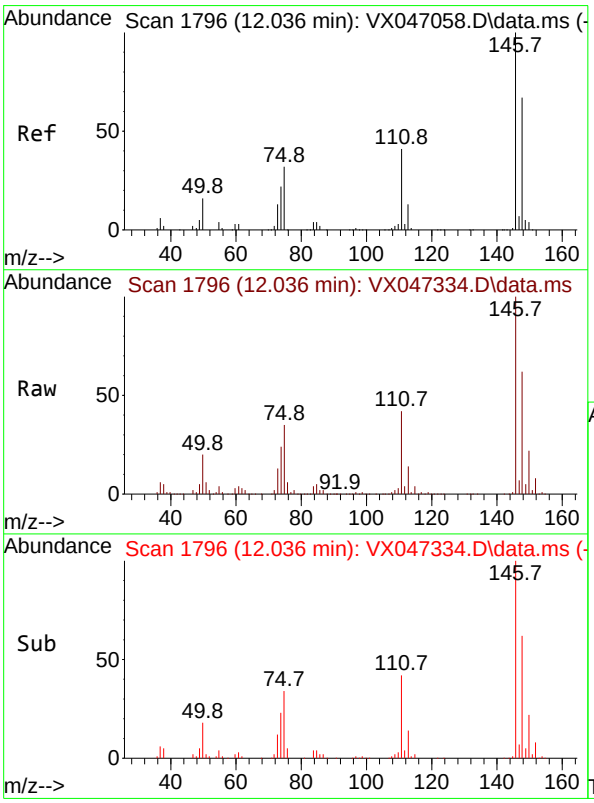
#87
1,3-Dichlorobenzene
Concen: 51.283 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 300174

Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.0	63.0
148	63.2	32.0	96.0

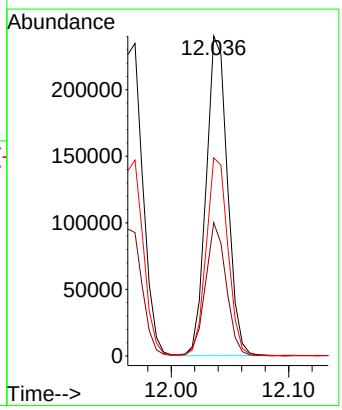


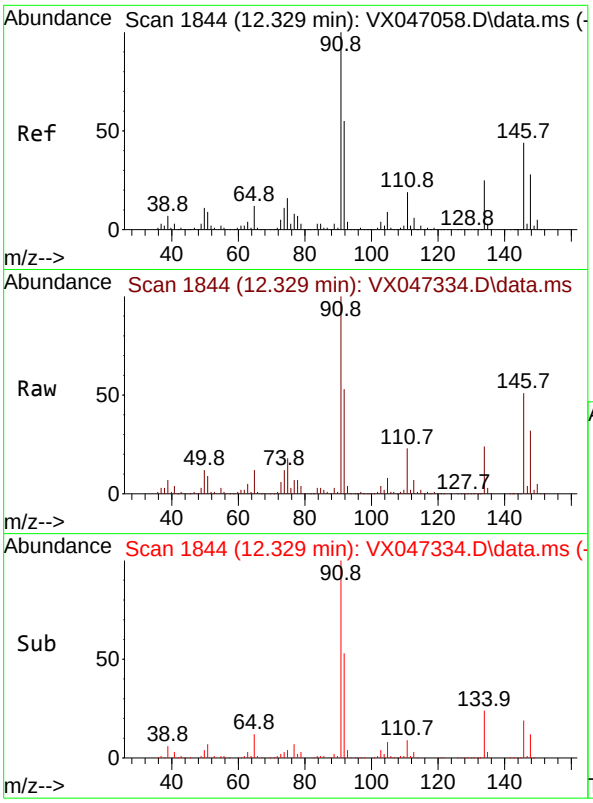


#88
1,4-Dichlorobenzene
Concen: 50.953 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:146 Resp: 302162

Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.6	61.9
148	63.4	33.0	98.9



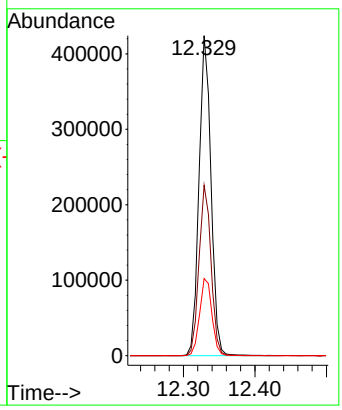


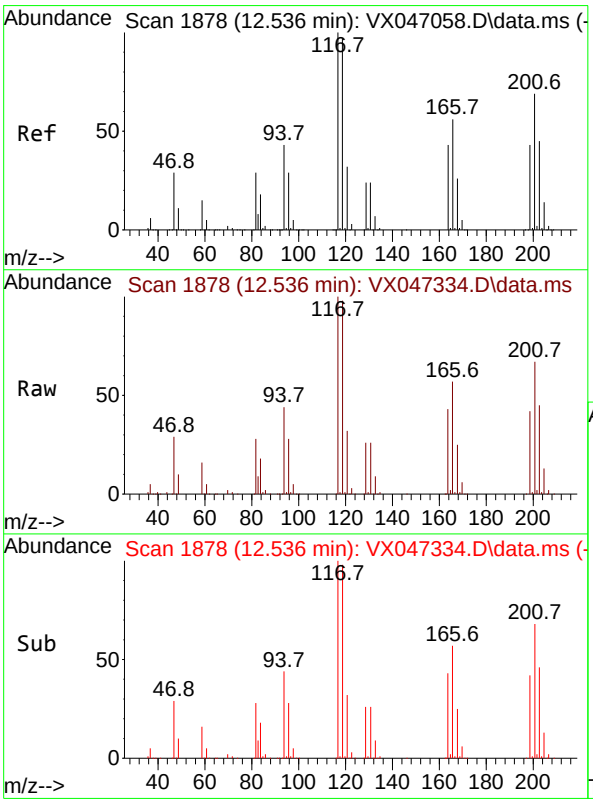
#89
n-Butylbenzene
Concen: 47.494 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 491481

Ion	Ratio	Lower	Upper
91	100		
92	53.7	27.5	82.5
134	24.9	12.8	38.3

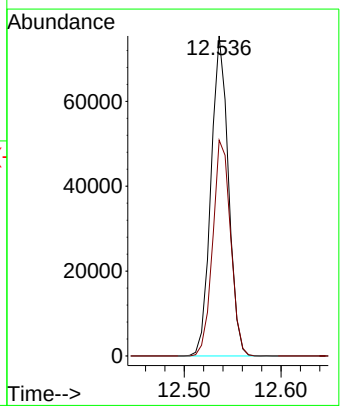


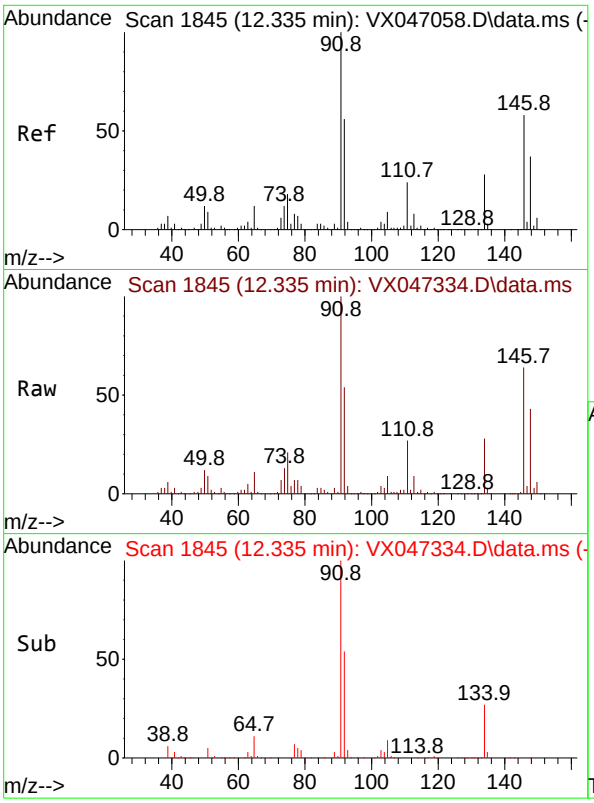


#90
Hexachloroethane
Concen: 47.815 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:117 Resp: 94390

Ion	Ratio	Lower	Upper
117	100		
201	69.0	34.8	104.5



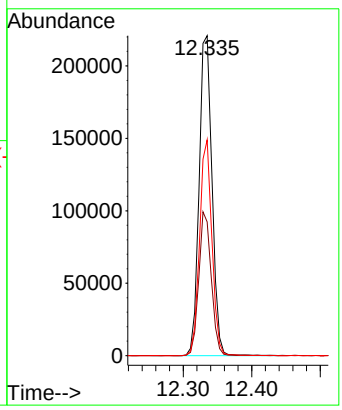


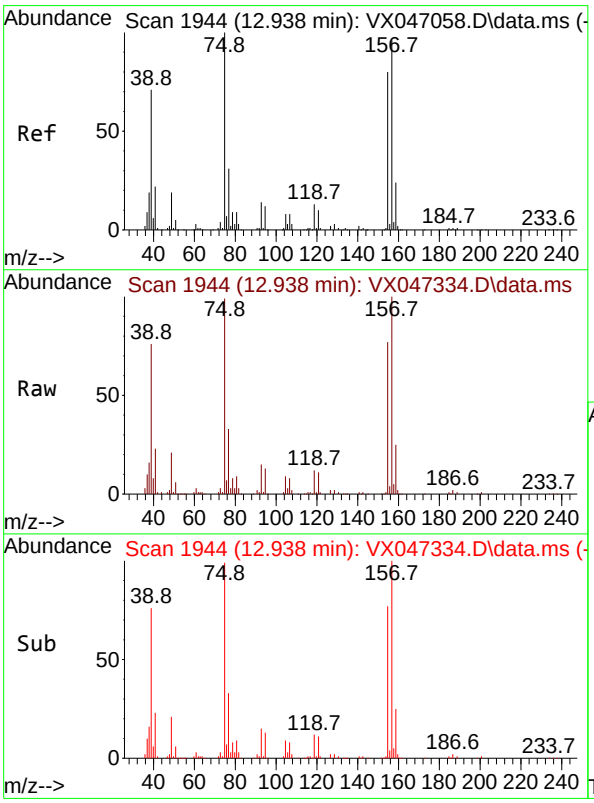
#91
1,2-Dichlorobenzene
Concen: 51.730 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 289391

Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.6
148	64.6	31.9	95.7

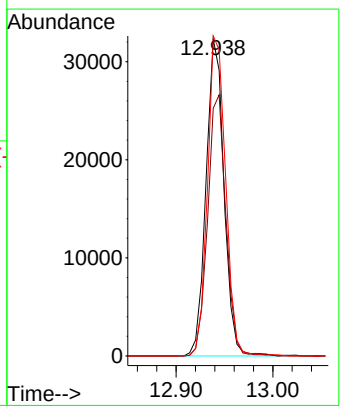


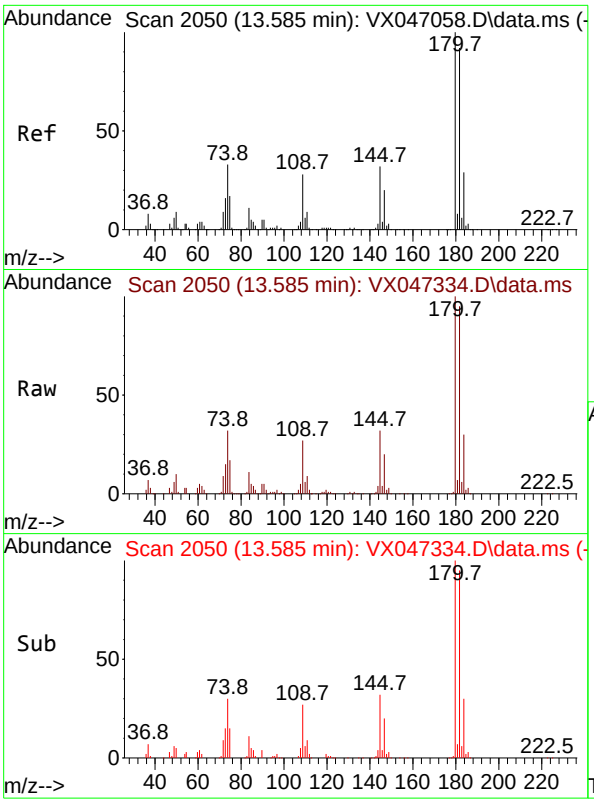


#92
1,2-Dibromo-3-Chloropropane
Concen: 59.218 ug/l
RT: 12.938 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion: 75 Resp: 41702

Ion	Ratio	Lower	Upper
75	100		
155	84.0	41.3	124.1
157	101.9	52.8	158.3



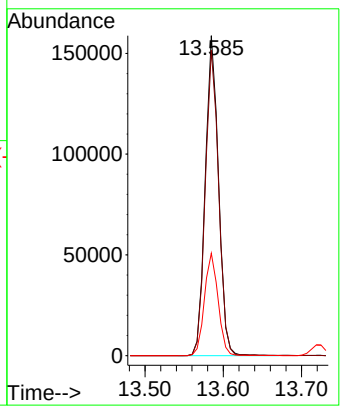


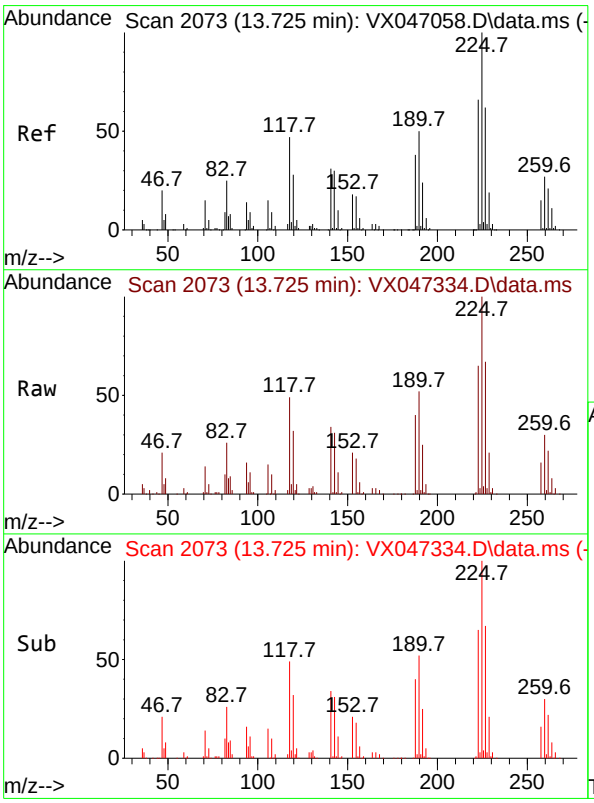
#93
1,2,4-Trichlorobenzene
Concen: 50.374 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 186188

Ion	Ratio	Lower	Upper
180	100		
182	96.1	47.3	141.8
145	32.9	16.4	49.1

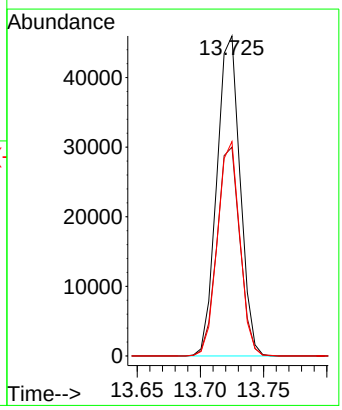


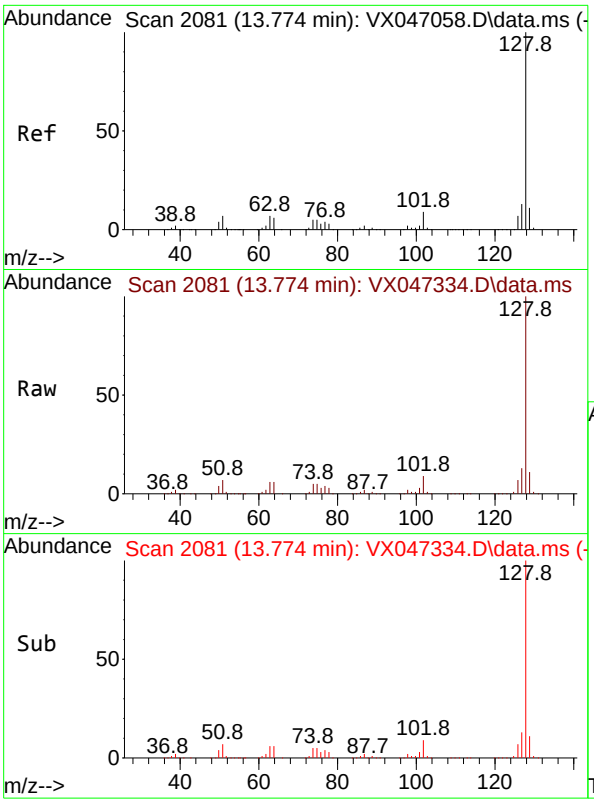


#94
Hexachlorobutadiene
Concen: 46.730 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:225 Resp: 58740

Ion	Ratio	Lower	Upper
225	100		
223	64.5	31.6	95.0
227	64.2	32.9	98.6



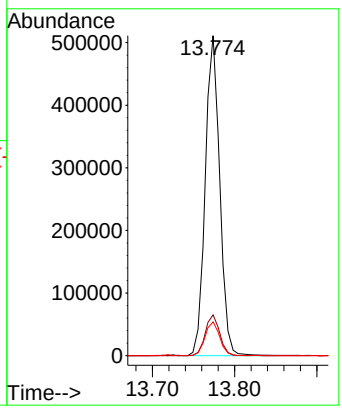


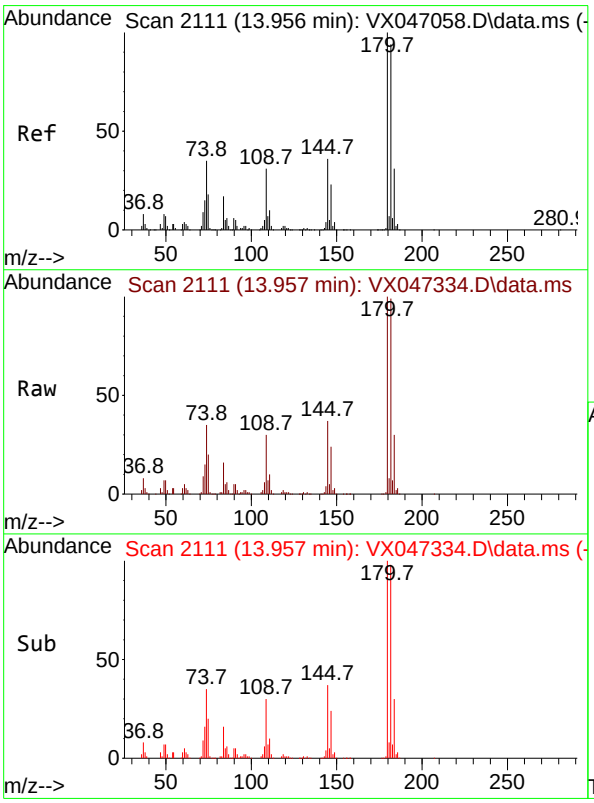
#95
Naphthalene
Concen: 57.649 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 624659

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.8	8.6	13.0

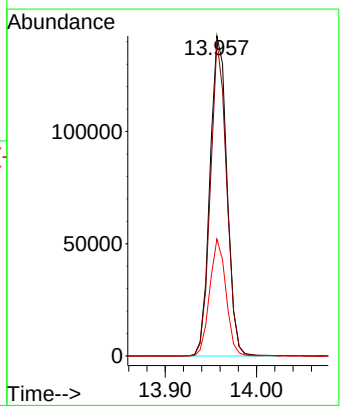




#96
1,2,3-Trichlorobenzene
Concen: 51.589 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047334.D
Acq: 13 Aug 2025 19:50

Tgt Ion:180 Resp: 183699

Ion	Ratio	Lower	Upper
180	100		
182	94.0	46.9	140.6
145	34.9	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	216185	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	364381	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	324602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	163540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	143806	53.400	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 106.800%			
35) Dibromofluoromethane	5.391	113	112385	49.953	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.900%			
50) Toluene-d8	8.647	98	393982	54.074	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 108.140%			
62) 4-Bromofluorobenzene	11.079	95	149323	47.558	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 95.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	135545	47.204	ug/l	99
3) Chloromethane	1.313	50	113834	40.077	ug/l	97
4) Vinyl Chloride	1.392	62	144021	47.169	ug/l	100
5) Bromomethane	1.624	94	75625	45.596	ug/l	97
6) Chloroethane	1.703	64	84231	42.002	ug/l	100
7) Trichlorofluoromethane	1.904	101	216554	47.564	ug/l	100
8) Diethyl Ether	2.148	74	78459	48.875	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.343	101	128258	46.758	ug/l	100
10) Methyl Iodide	2.471	142	227234	81.283	ug/l	99
11) Tert butyl alcohol	2.959	59	77256	245.210	ug/l	98
12) 1,1-Dichloroethene	2.337	96	126375	46.516	ug/l	96
13) Acrolein	2.245	56	177582	306.256	ug/l	97
14) Allyl chloride	2.678	41	224146	45.641	ug/l	97
15) Acrylonitrile	3.081	53	332220	258.666	ug/l	100
16) Acetone	2.392	43	277725	257.435	ug/l	99
17) Carbon Disulfide	2.526	76	335535	42.691	ug/l	98
18) Methyl Acetate	2.715	43	159702	55.705	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	416236	50.341	ug/l	100
20) Methylene Chloride	2.800	84	140028	47.180	ug/l	99
21) trans-1,2-Dichloroethene	3.105	96	131779	47.400	ug/l	100
22) Diisopropyl ether	3.770	45	467231	49.485	ug/l	95
23) Vinyl Acetate	3.727	43	1927253	254.488	ug/l	100
24) 1,1-Dichloroethane	3.623	63	251395	47.881	ug/l	100
25) 2-Butanone	4.562	43	373367	237.685	ug/l	98
26) 2,2-Dichloropropane	4.483	77	192048	47.252	ug/l	99
27) cis-1,2-Dichloroethene	4.495	96	156555	47.554	ug/l	98
28) Bromochloromethane	4.903	49	117976	48.841	ug/l	97
29) Tetrahydrofuran	5.019	42	240173	236.966	ug/l	95
30) Chloroform	5.105	83	256605	48.012	ug/l	98
31) Cyclohexane	5.477	56	218621	43.426	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	218576	47.085	ug/l	99
36) 1,1-Dichloropropene	5.696	75	175706	45.816	ug/l	99
37) Ethyl Acetate	4.721	43	199675	56.505	ug/l	95
38) Carbon Tetrachloride	5.684	117	189096	46.198	ug/l	99
39) Methylcyclohexane	7.385	83	209626	43.780	ug/l	97
40) Benzene	6.044	78	529812	47.737	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	4.928	41	84008	45.467 ug/l #	90
42) 1,2-Dichloroethane	6.092	62	195142	49.914 ug/l	99
43) Isopropyl Acetate	6.342	43	284290	51.604 ug/l	98
44) Trichloroethene	7.129	130	134500	47.259 ug/l	100
45) 1,2-Dichloropropane	7.434	63	134701	48.459 ug/l	94
46) Dibromomethane	7.580	93	100103	51.354 ug/l	99
47) Bromodichloromethane	7.824	83	204348	49.252 ug/l	98
48) Methyl methacrylate	7.696	41	150081	50.008 ug/l	99
49) 1,4-Dioxane	7.677	88	33880	992.555 ug/l	97
51) 4-Methyl-2-Pentanone	8.574	43	839443	256.357 ug/l	100
52) Toluene	8.720	92	333006	48.798 ug/l	97
53) t-1,3-Dichloropropene	8.976	75	190158	48.534 ug/l	99
54) cis-1,3-Dichloropropene	8.366	75	206091	48.060 ug/l	99
55) 1,1,2-Trichloroethane	9.153	97	129962	50.781 ug/l	99
56) Ethyl methacrylate	9.116	69	199756	52.723 ug/l	99
57) 1,3-Dichloropropane	9.305	76	223669	50.286 ug/l	100
58) 2-Chloroethyl Vinyl ether	8.244	63	486170	230.595 ug/l	99
59) 2-Hexanone	9.433	43	581283	268.689 ug/l	98
60) Dibromochloromethane	9.519	129	151824	50.582 ug/l	98
61) 1,2-Dibromoethane	9.610	107	132764	49.612 ug/l	99
64) Tetrachloroethene	9.275	164	108216	46.246 ug/l	96
65) Chlorobenzene	10.079	112	366123	48.146 ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.159	131	127490	49.796 ug/l	99
67) Ethyl Benzene	10.189	91	635493	47.796 ug/l	99
68) m/p-Xylenes	10.299	106	474279	95.321 ug/l	99
69) o-Xylene	10.640	106	230538	48.705 ug/l	99
70) Styrene	10.652	104	403534	49.717 ug/l	99
71) Bromoform	10.799	173	99964	51.400 ug/l #	99
73) Isopropylbenzene	10.957	105	608481	47.161 ug/l	99
74) N-amyl acetate	10.841	43	249680	47.961 ug/l	99
75) 1,1,2,2-Tetrachloroethane	11.207	83	184000	49.925 ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	172328	56.929 ug/l	84
77) Bromobenzene	11.195	156	148259	47.908 ug/l	99
78) n-propylbenzene	11.299	91	719706	46.679 ug/l	99
79) 2-Chlorotoluene	11.360	91	425760	46.196 ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	498341	46.752 ug/l	99
81) trans-1,4-Dichloro-2-b...	11.018	75	28193	23.996 ug/l	99
82) 4-Chlorotoluene	11.451	91	507914	47.214 ug/l	99
83) tert-Butylbenzene	11.713	119	500803	46.810 ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	505905	47.584 ug/l	100
85) sec-Butylbenzene	11.890	105	616388	46.111 ug/l	100
86) p-Isopropyltoluene	12.006	119	521639	47.057 ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	275882	46.918 ug/l	100
88) 1,4-Dichlorobenzene	12.036	146	278635	46.772 ug/l	98
89) n-Butylbenzene	12.329	91	480966	46.266 ug/l	99
90) Hexachloroethane	12.536	117	90498	45.634 ug/l	100
91) 1,2-Dichlorobenzene	12.335	146	265351	47.216 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	36891	52.147 ug/l	97
93) 1,2,4-Trichlorobenzene	13.585	180	177290	47.747 ug/l	99
94) Hexachlorobutadiene	13.725	225	59624	47.216 ug/l	97
95) Naphthalene	13.774	128	549381	50.471 ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	170122	47.558 ug/l	98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

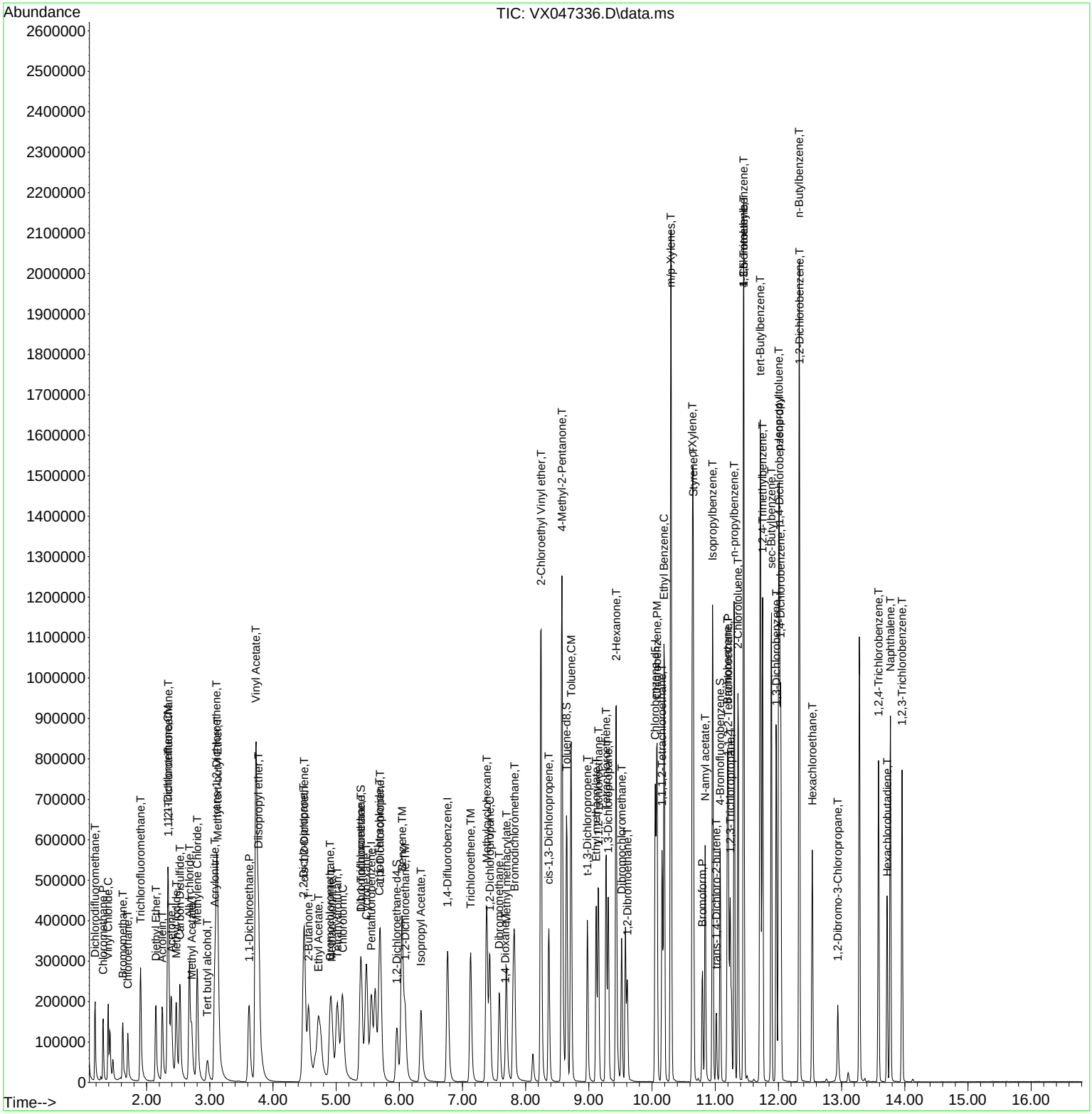
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

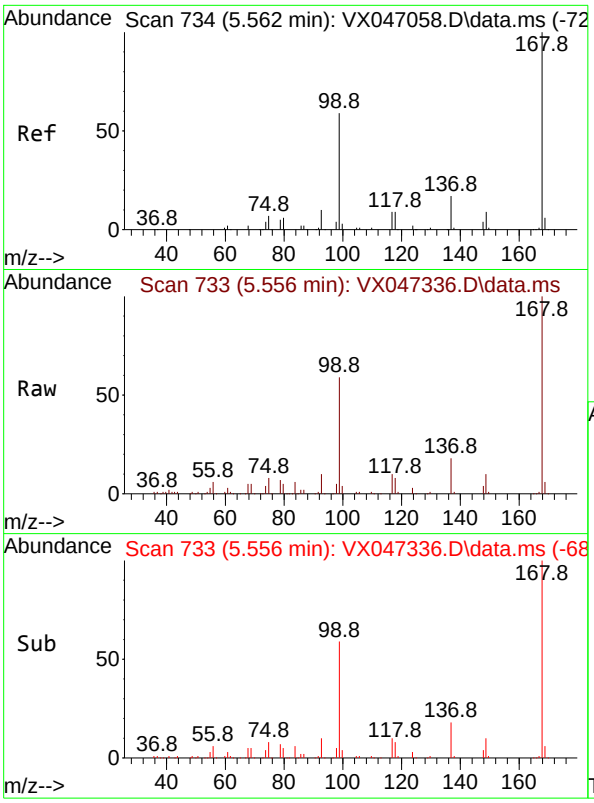
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047336.D
Acq On : 14 Aug 2025 10:37
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Quant Time: Aug 18 01:22:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



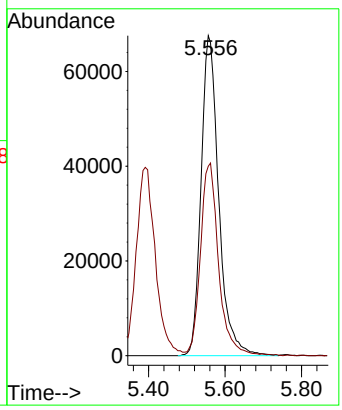


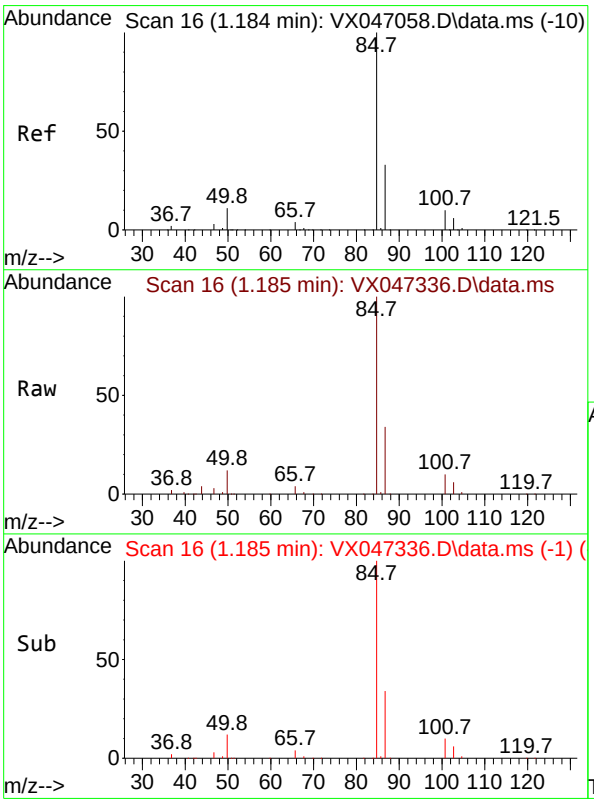
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:168 Resp: 216185

Ion	Ratio	Lower	Upper
168	100		
99	59.0	48.0	72.0

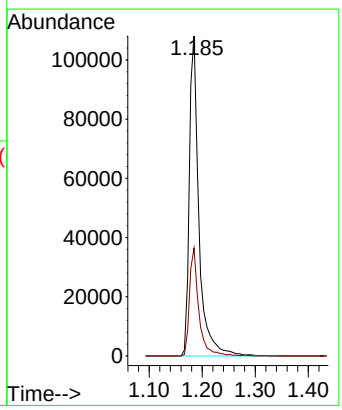


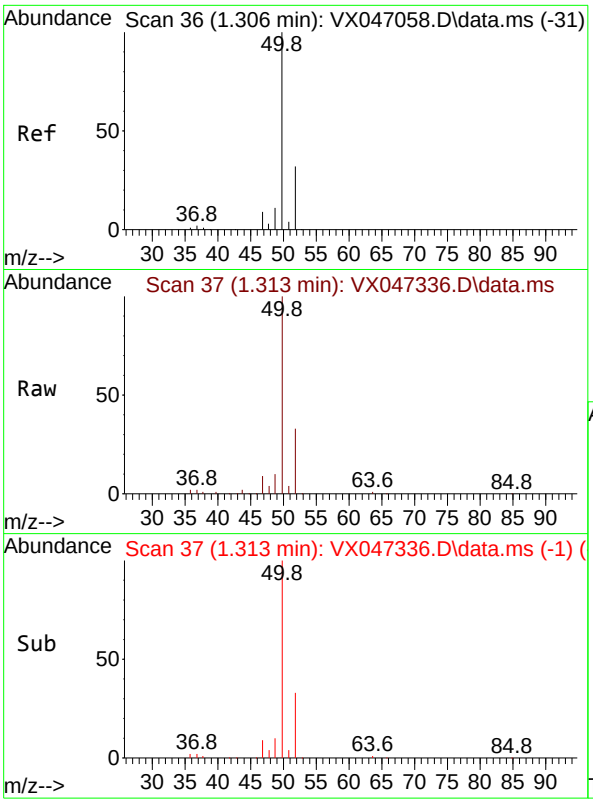


#2
Dichlorodifluoromethane
Concen: 47.204 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 85 Resp: 135545

Ion	Ratio	Lower	Upper
85	100		
87	33.7	16.6	49.8



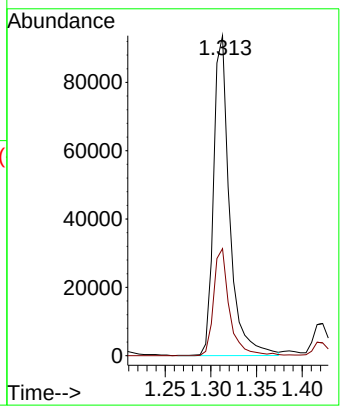


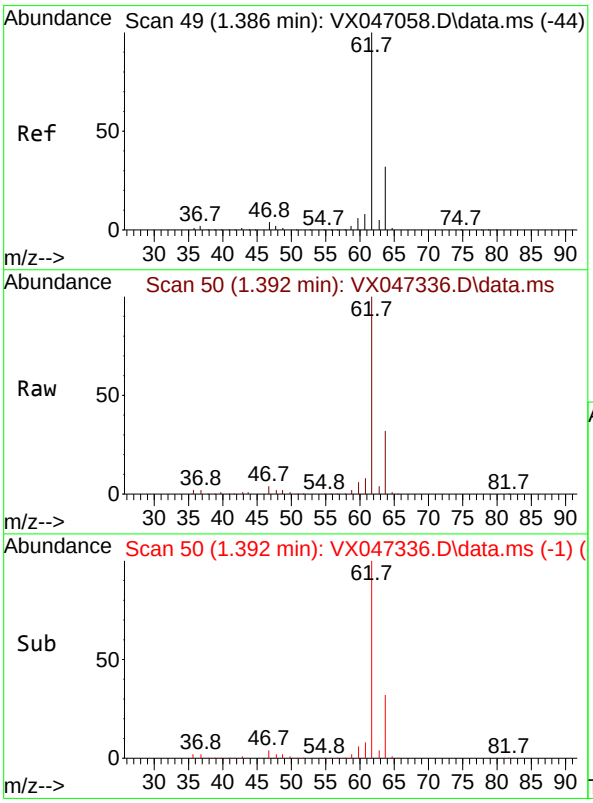
#3
Chloromethane
Concen: 40.077 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 50 Resp: 113834

Ion	Ratio	Lower	Upper
50	100		
52	33.5	25.4	38.2

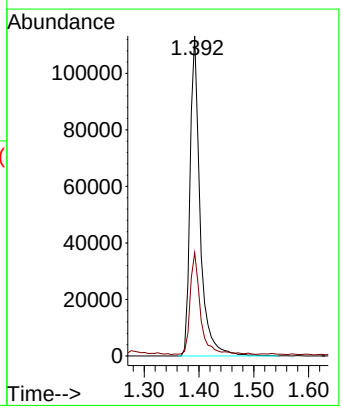


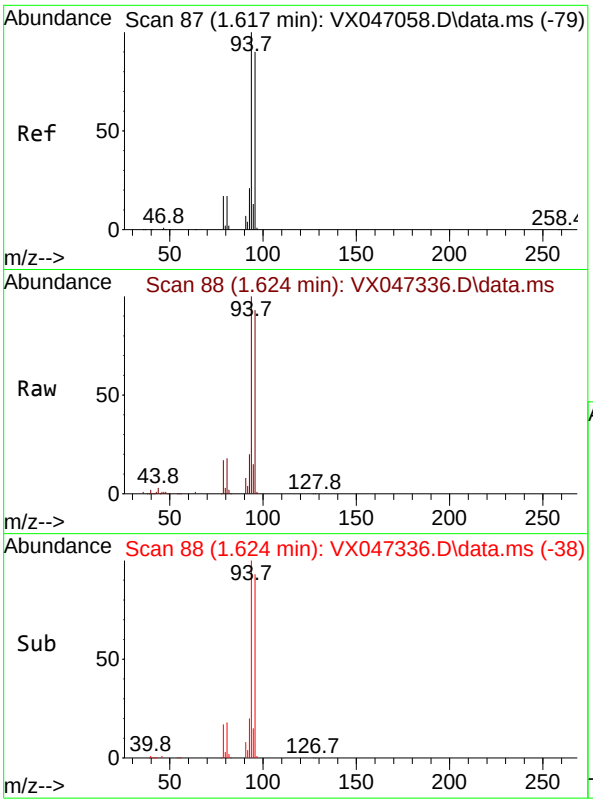


#4
Vinyl Chloride
Concen: 47.169 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 62 Resp: 144021

Ion	Ratio	Lower	Upper
62	100		
64	31.7	25.2	37.8



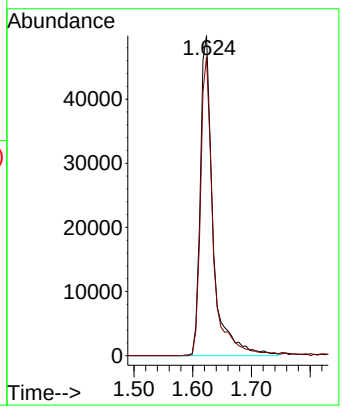


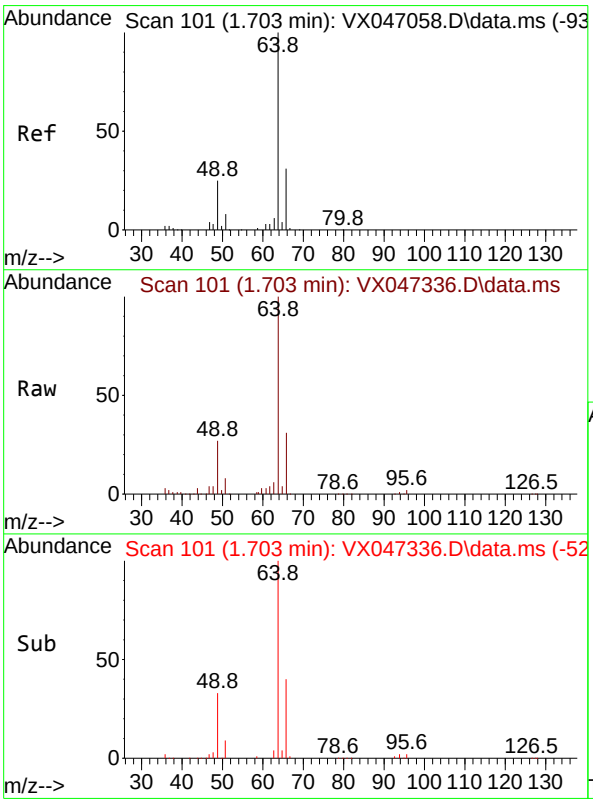
#5
Bromomethane
Concen: 45.596 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 94 Resp: 75625

Ion	Ratio	Lower	Upper
94	100		
96	93.4	72.3	108.5

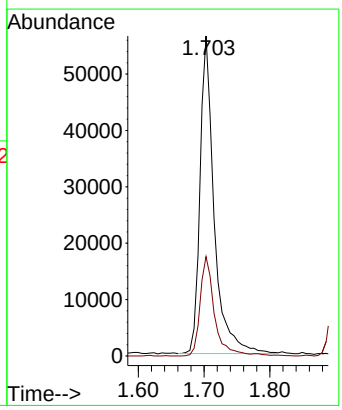


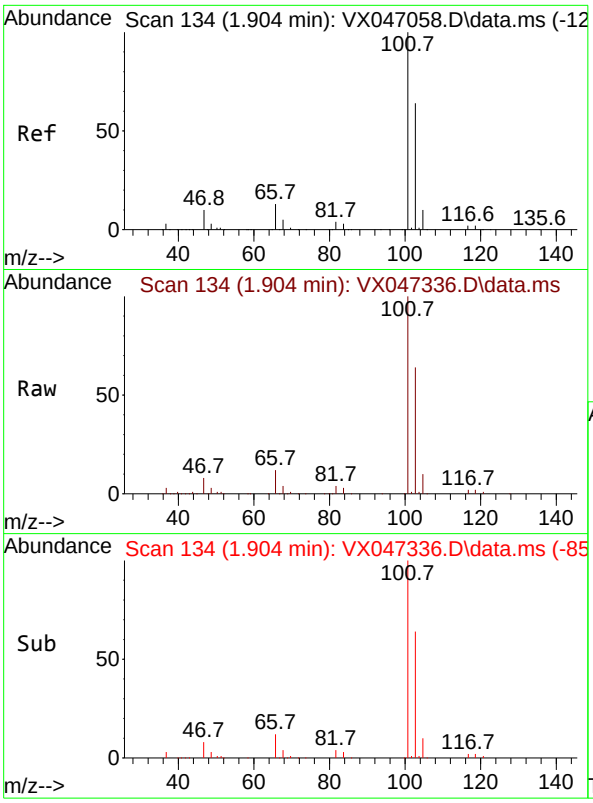


#6
Chloroethane
Concen: 42.002 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 64 Resp: 84231

Ion	Ratio	Lower	Upper
64	100		
66	31.3	25.0	37.6



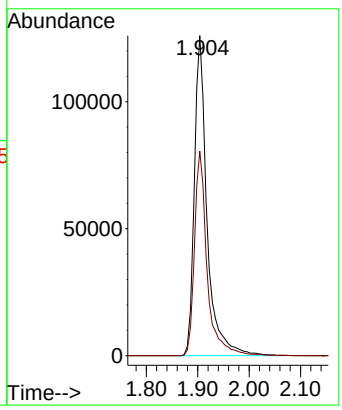


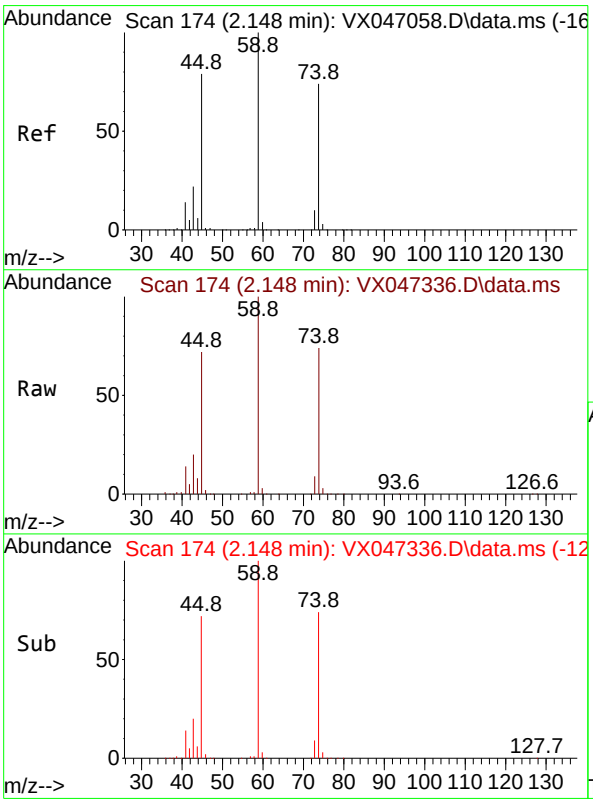
#7
Trichlorofluoromethane
Concen: 47.564 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 216554

Ion	Ratio	Lower	Upper
101	100		
103	63.9	50.9	76.3

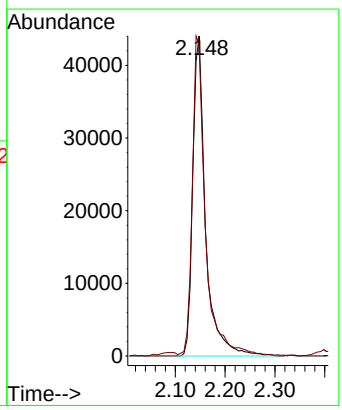


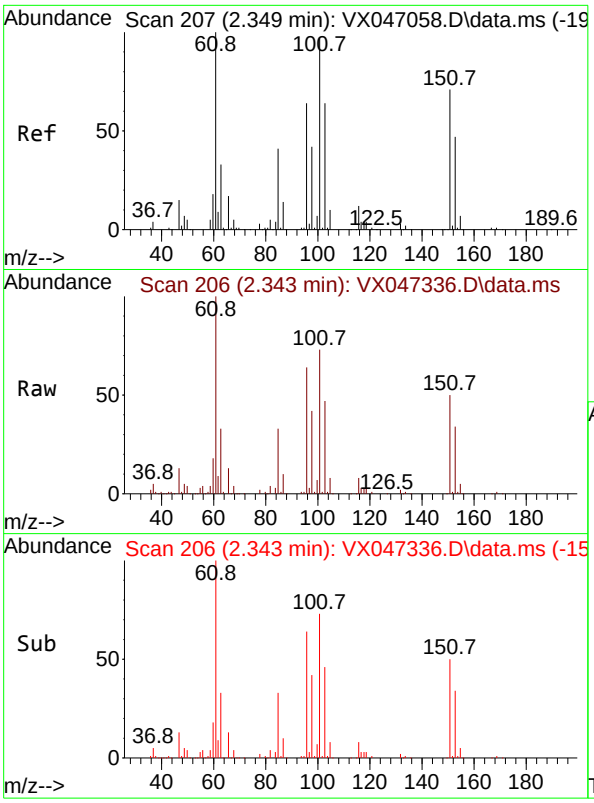


#8
Diethyl Ether
Concen: 48.875 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 74 Resp: 78459

Ion	Ratio	Lower	Upper
74	100		
45	102.8	53.0	159.0



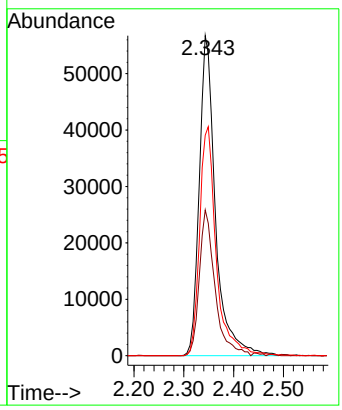


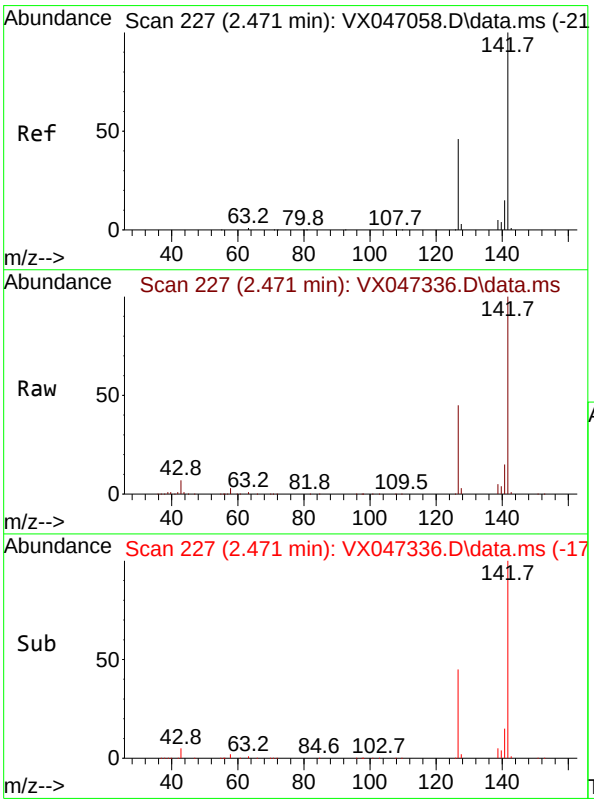
#9
1,1,2-Trichlorotrifluoroethane
Concen: 46.758 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:101 Resp: 128258

Ion	Ratio	Lower	Upper
101	100		
85	44.0	35.4	53.0
151	73.6	59.2	88.8

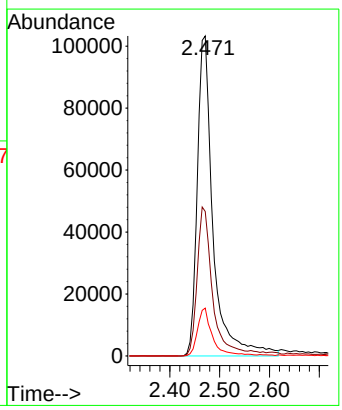


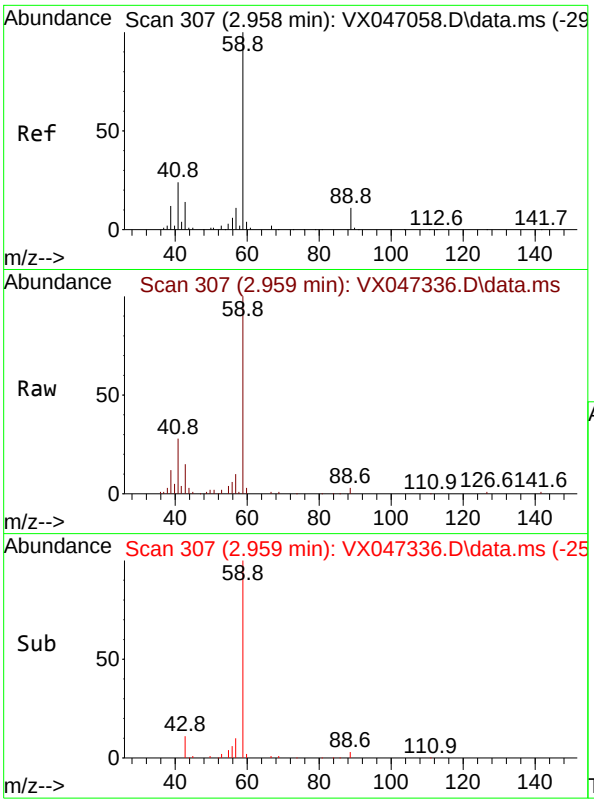


#10
Methyl Iodide
Concen: 81.283 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:142 Resp: 227234

Ion	Ratio	Lower	Upper
142	100		
127	44.8	36.6	54.8
141	14.1	10.9	16.3



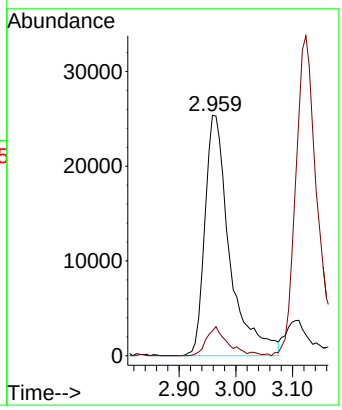


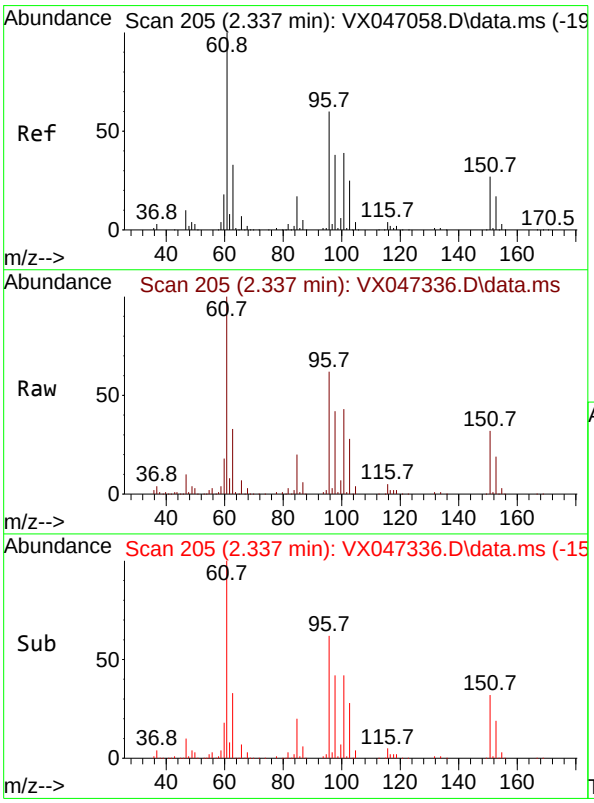
#11
Tert butyl alcohol
Concen: 245.210 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 59 Resp: 77256

Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.5	12.7

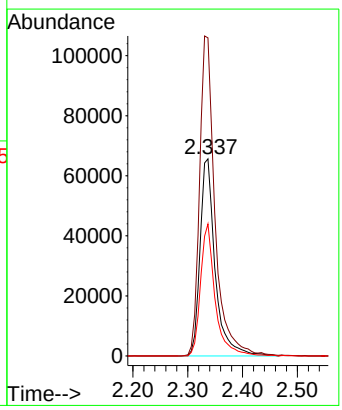


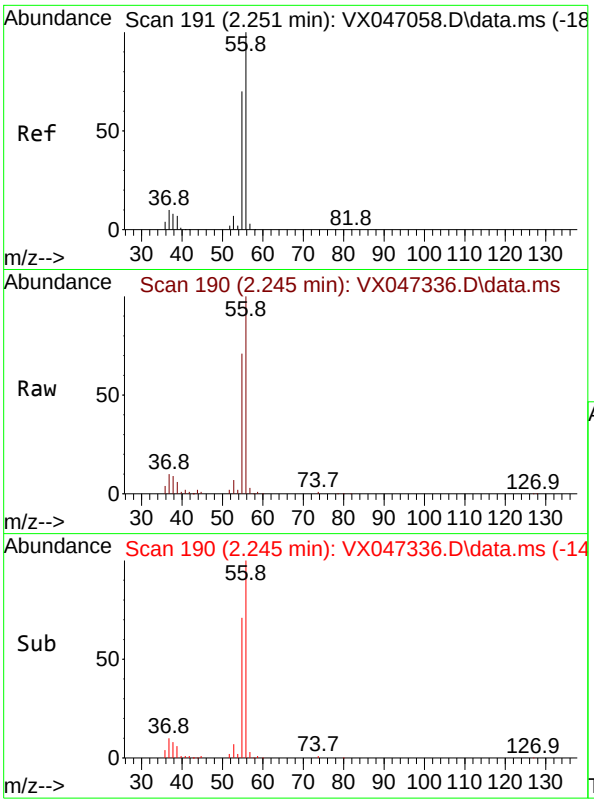


#12
1,1-Dichloroethene
Concen: 46.516 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 96 Resp: 126375

Ion	Ratio	Lower	Upper
96	100		
61	161.3	132.6	198.8
98	67.0	50.2	75.4



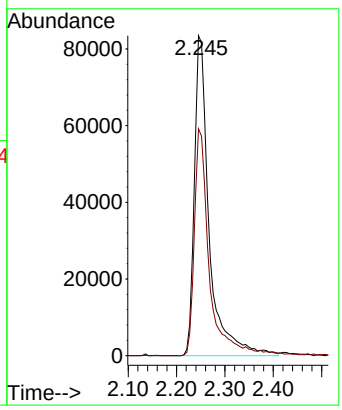


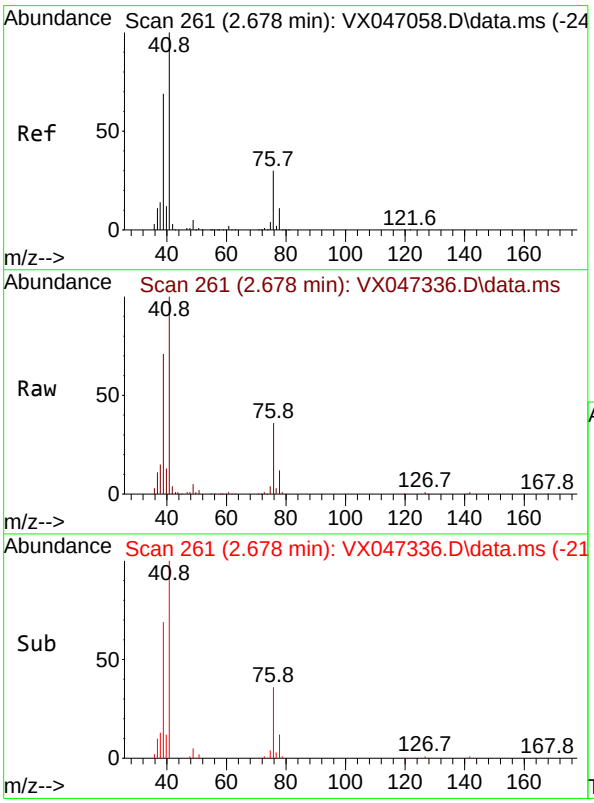
#13
Acrolein
Concen: 306.256 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 177582

Ion	Ratio	Lower	Upper
56	100		
55	72.1	55.7	83.5

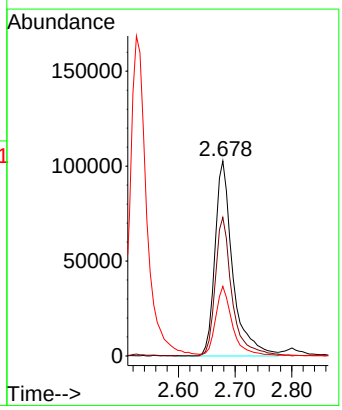


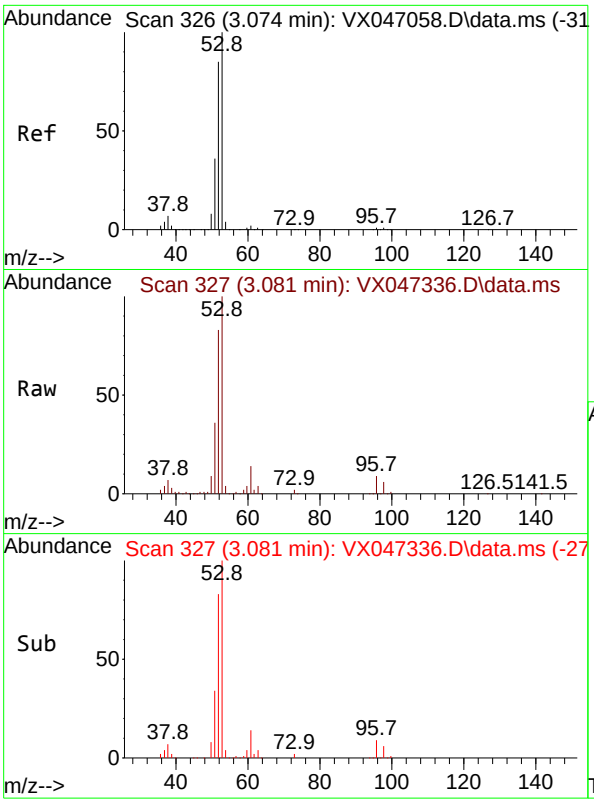


#14
Allyl chloride
Concen: 45.641 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 41 Resp: 224146

Ion	Ratio	Lower	Upper
41	100		
39	67.5	52.6	78.8
76	33.9	25.7	38.5



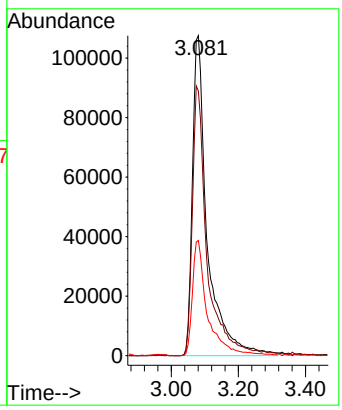


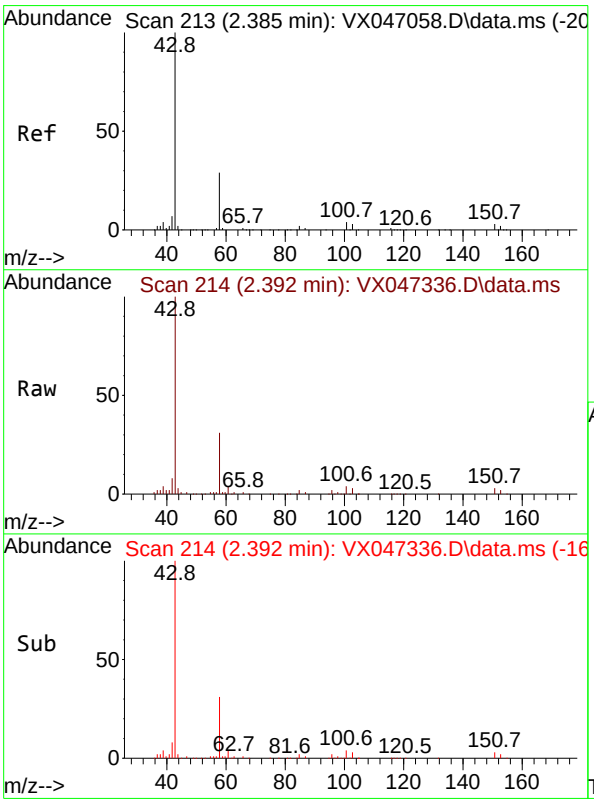
#15
Acrylonitrile
Concen: 258.666 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 53 Resp: 332220

Ion	Ratio	Lower	Upper
53	100		
52	82.3	65.7	98.5
51	36.6	28.8	43.2

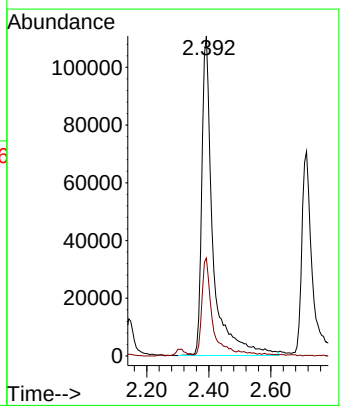


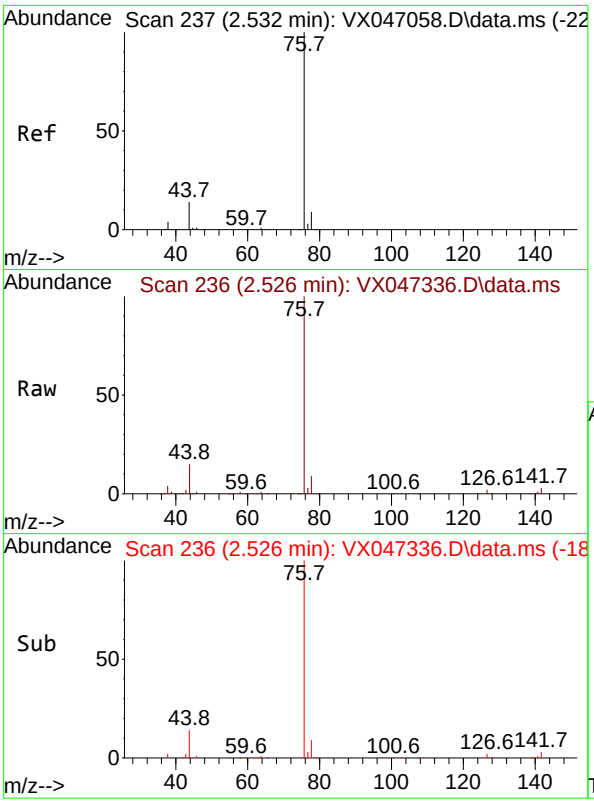


#16
Acetone
Concen: 257.435 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 43 Resp: 277725

Ion	Ratio	Lower	Upper
43	100		
58	30.5	24.0	36.0



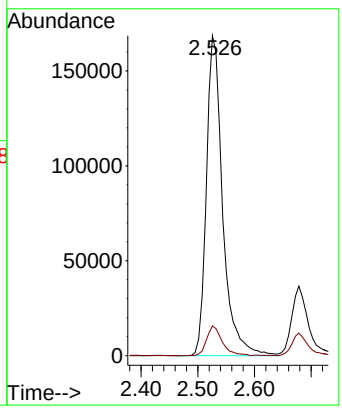


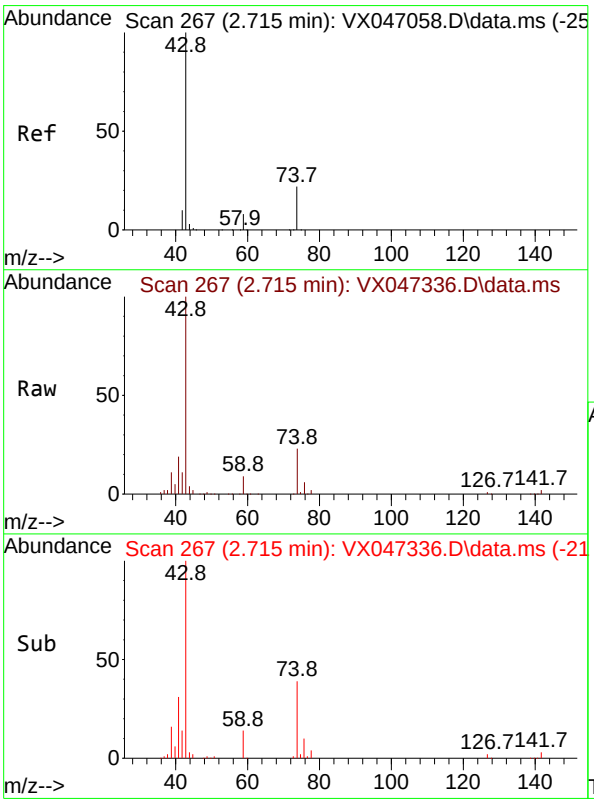
#17
Carbon Disulfide
Concen: 42.691 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 335535

Ion	Ratio	Lower	Upper
76	100		
78	9.3	7.0	10.4

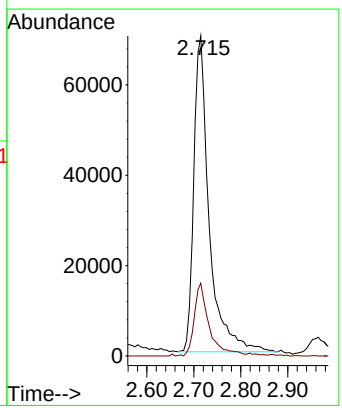


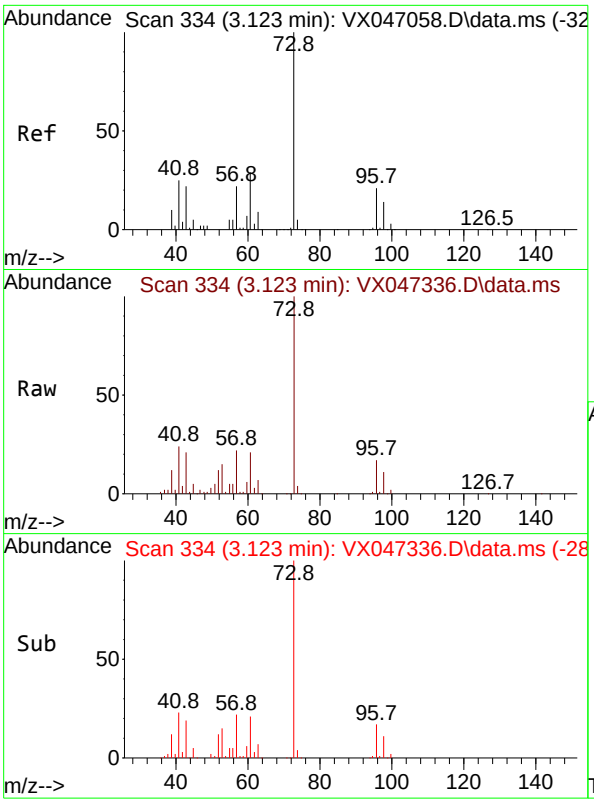


#18
Methyl Acetate
Concen: 55.705 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 43 Resp: 159702

Ion	Ratio	Lower	Upper
43	100		
74	21.6	17.7	26.5



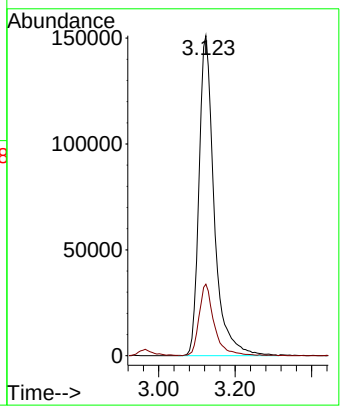


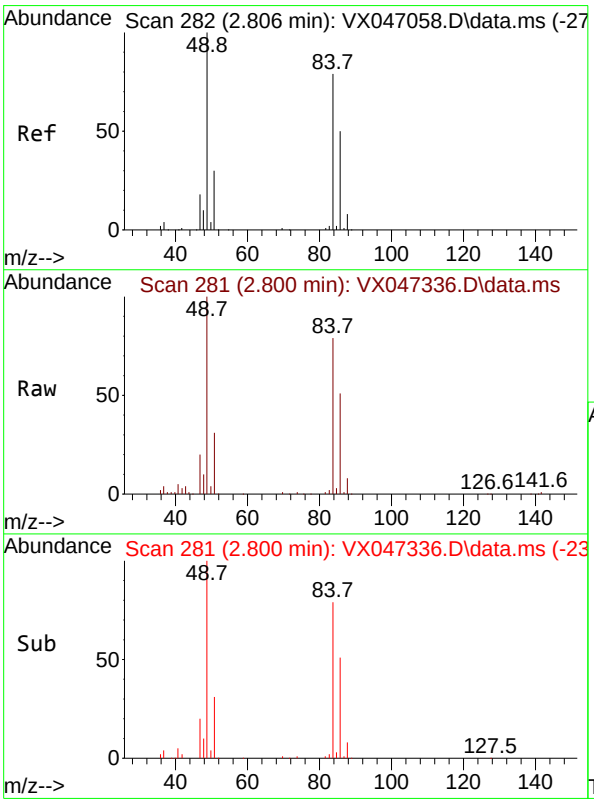
#19
Methyl tert-butyl Ether
Concen: 50.341 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 73 Resp: 416236

Ion	Ratio	Lower	Upper
73	100		
57	22.3	17.7	26.5

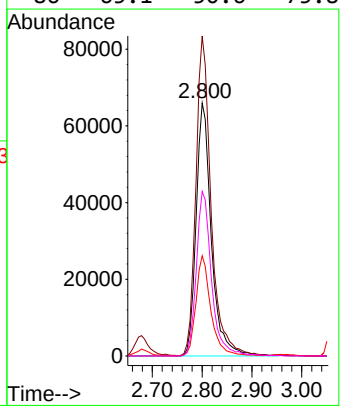


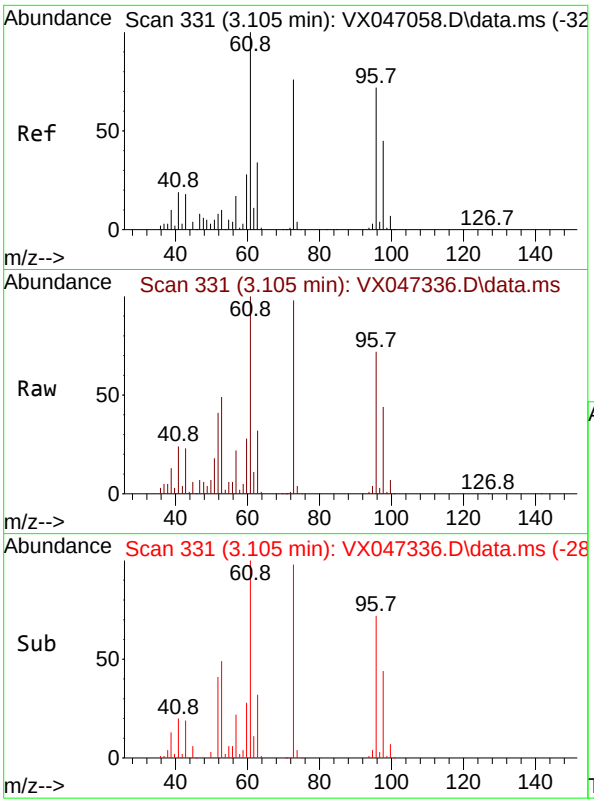


#20
Methylene Chloride
Concen: 47.180 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 84 Resp: 140028

Ion	Ratio	Lower	Upper
84	100		
49	126.4	101.6	152.4
51	39.5	30.3	45.5
86	65.1	50.6	75.8



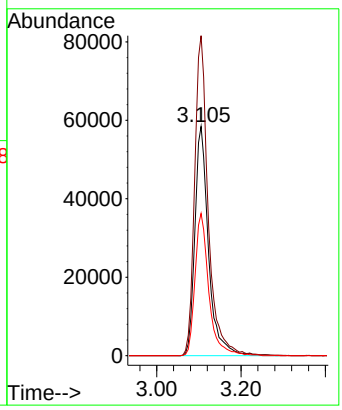


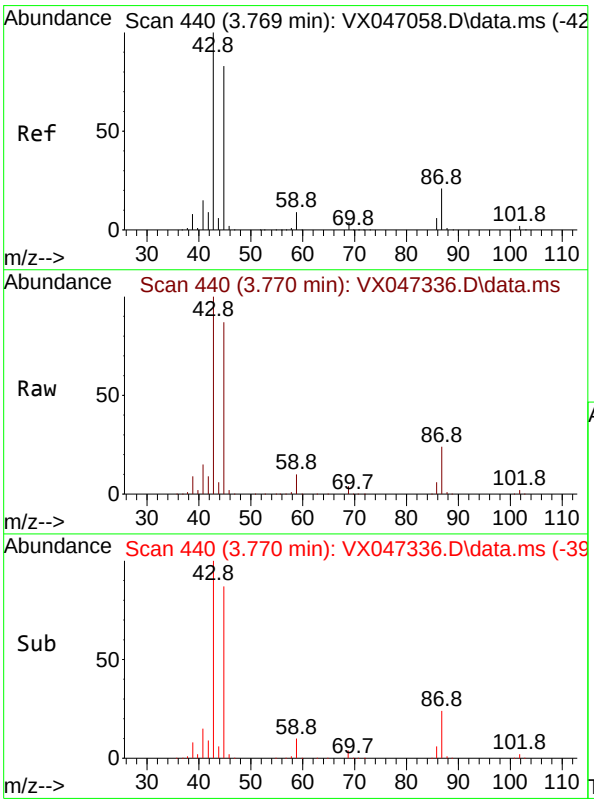
#21
trans-1,2-Dichloroethene
Concen: 47.400 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 131779

Ion	Ratio	Lower	Upper
96	100		
61	139.6	111.1	166.7
98	62.0	49.6	74.4

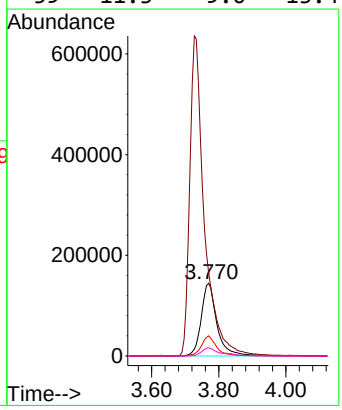


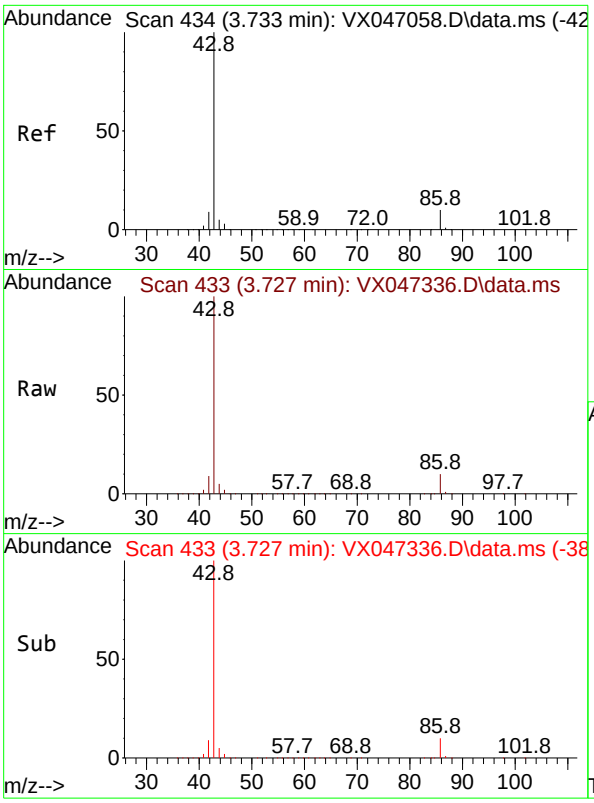


#22
Diisopropyl ether
Concen: 49.485 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 45 Resp: 467231

Ion	Ratio	Lower	Upper
45	100		
43	115.1	96.8	145.2
87	27.7	20.5	30.7
59	11.3	9.0	13.4



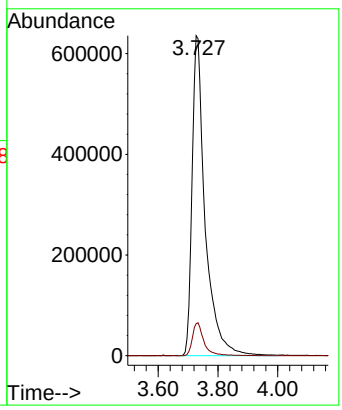


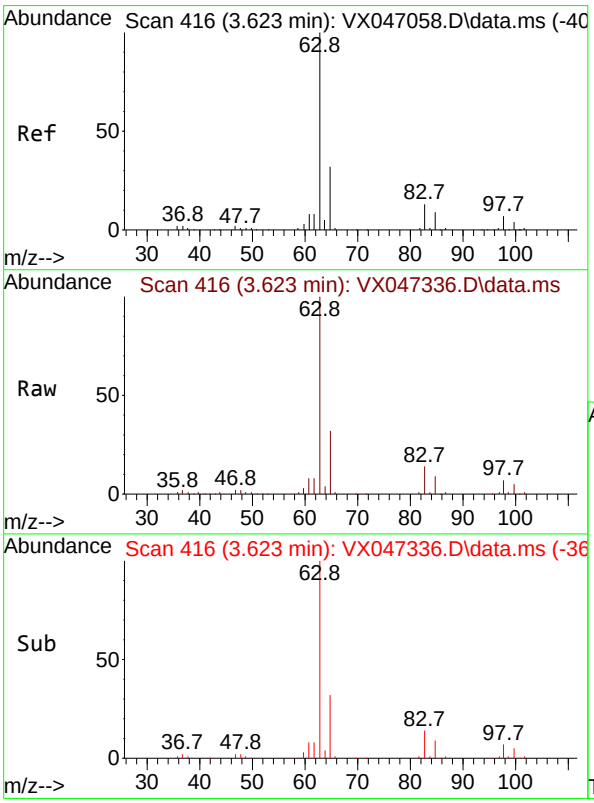
#23
Vinyl Acetate
Concen: 254.488 ug/l
RT: 3.727 min Scan# 4
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 1927253

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

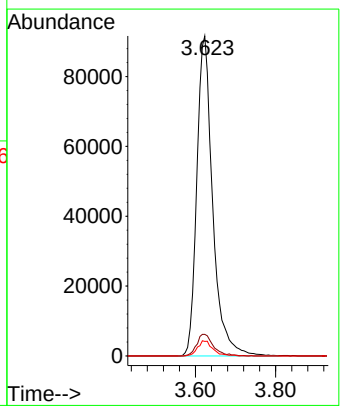


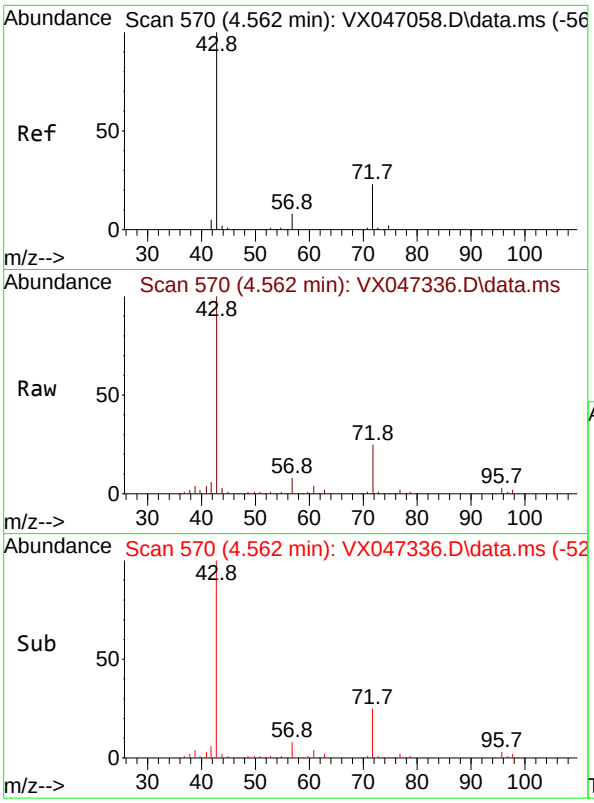


#24
1,1-Dichloroethane
Concen: 47.881 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 63 Resp: 251395

Ion	Ratio	Lower	Upper
63	100		
98	7.4	3.6	10.8
100	4.6	2.3	6.8



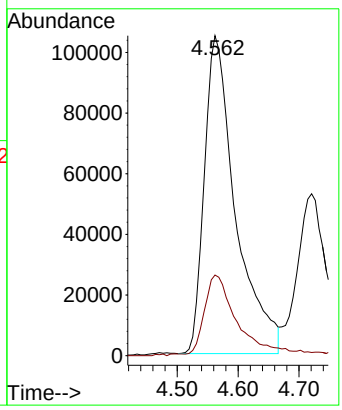


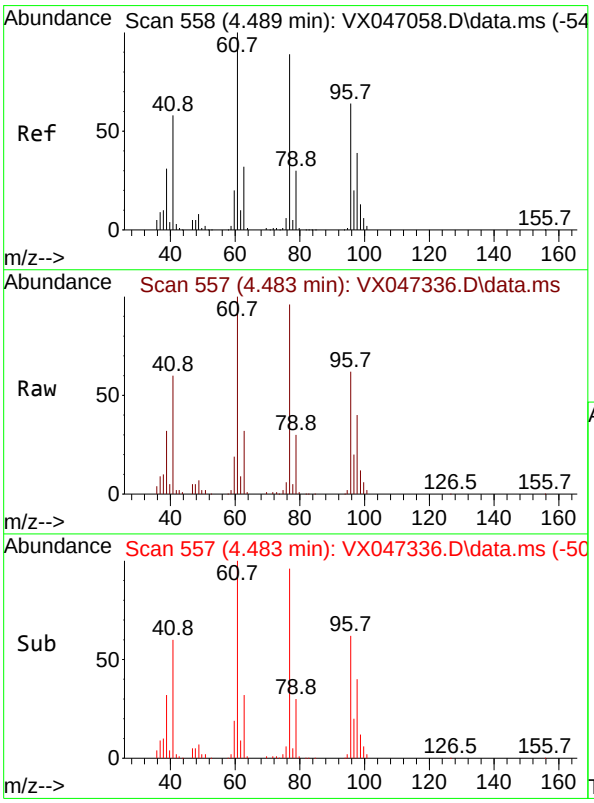
#25
2-Butanone
Concen: 237.685 ug/l
RT: 4.562 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 373367

Ion	Ratio	Lower	Upper
43	100		
72	24.5	18.8	28.2

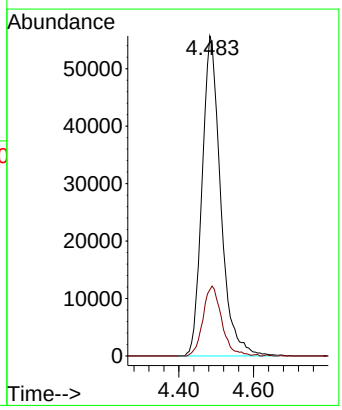


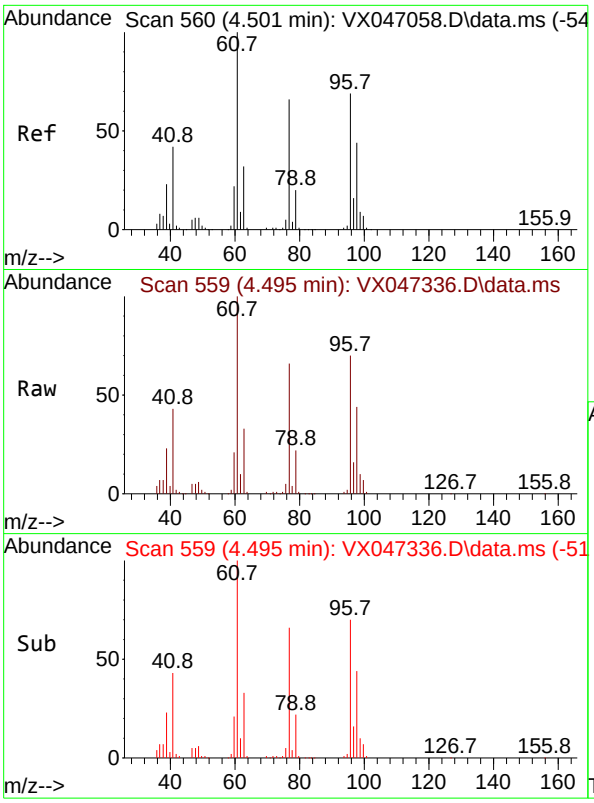


#26
2,2-Dichloropropane
Concen: 47.252 ug/l
RT: 4.483 min Scan# 557
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 77 Resp: 192048

Ion	Ratio	Lower	Upper
77	100		
97	22.0	11.4	34.1



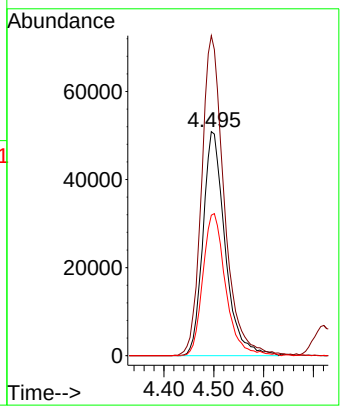


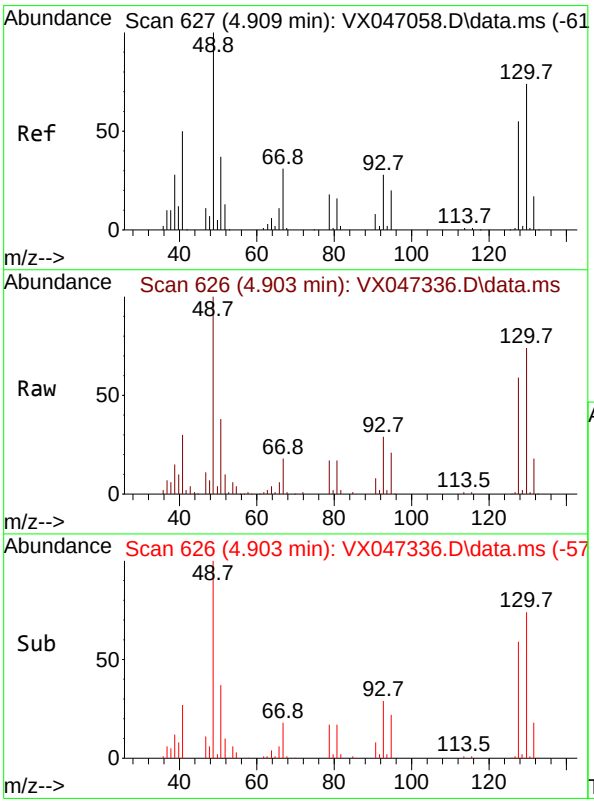
#27
cis-1,2-Dichloroethene
Concen: 47.554 ug/l
RT: 4.495 min Scan# 5
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 96 Resp: 156555

Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	298.6
98	65.5	0.0	128.8

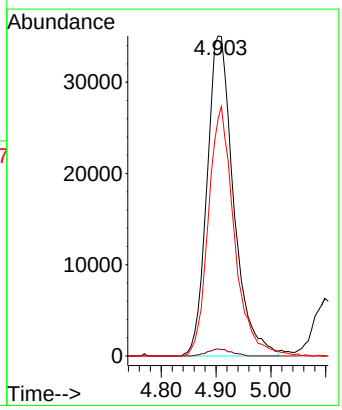


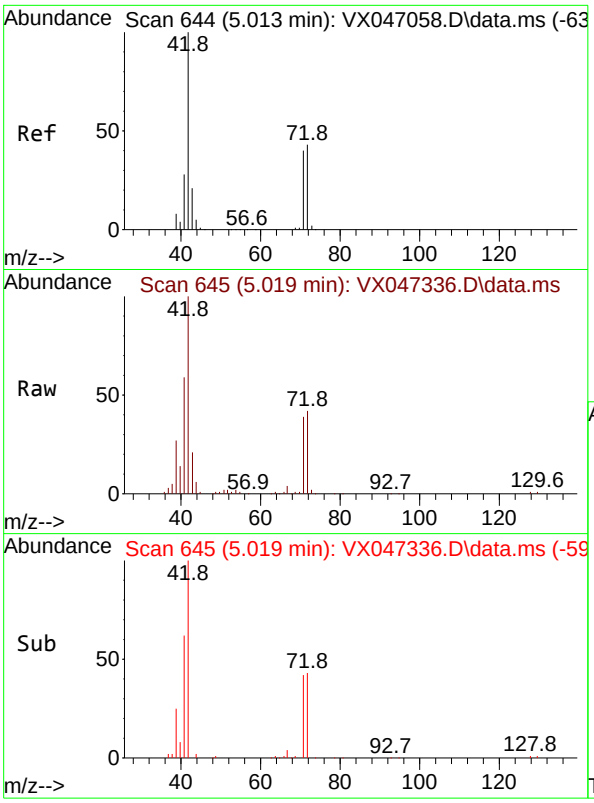


#28
Bromochloromethane
Concen: 48.841 ug/l
RT: 4.903 min Scan# 626
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 49 Resp: 117976

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	76.0	59.0	88.4



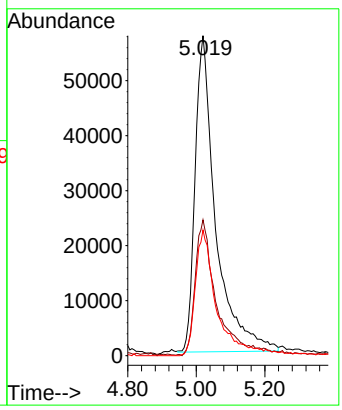


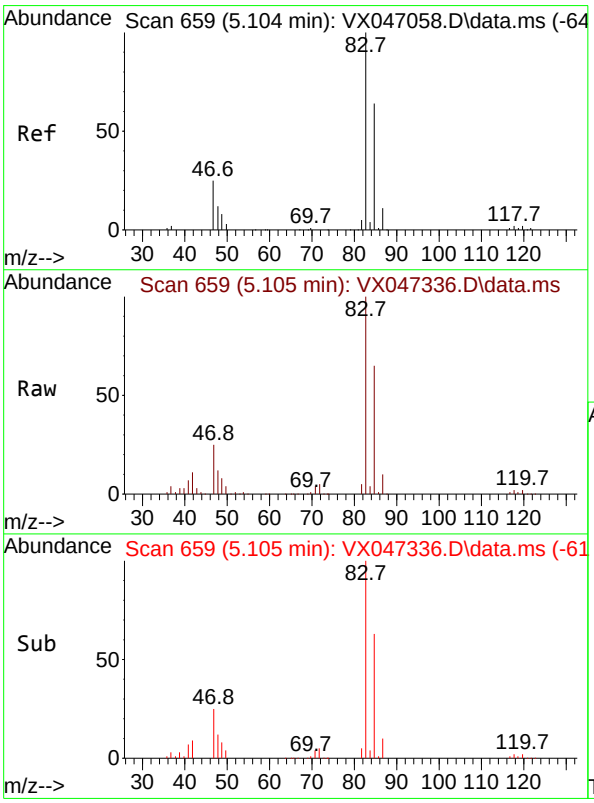
#29
Tetrahydrofuran
Concen: 236.966 ug/l
RT: 5.019 min Scan# 64
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 42 Resp: 240173

Ion	Ratio	Lower	Upper
42	100		
72	45.6	33.7	50.5
71	41.5	31.0	46.4

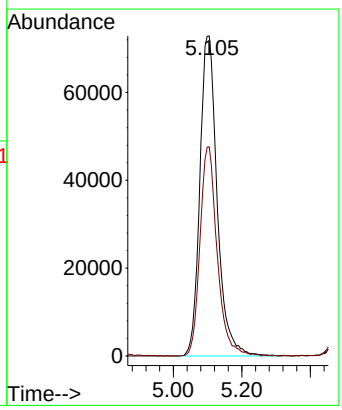


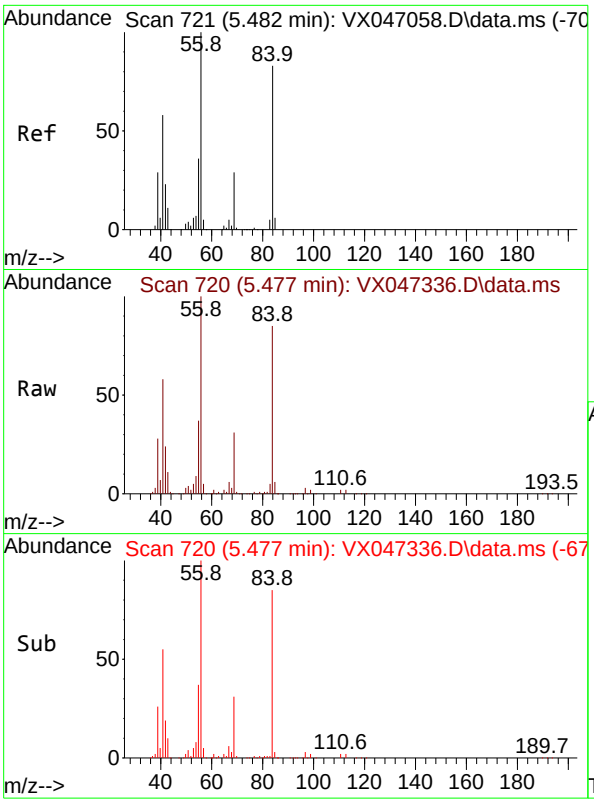


#30
Chloroform
Concen: 48.012 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 83 Resp: 256605

Ion	Ratio	Lower	Upper
83	100		
85	65.3	50.9	76.3



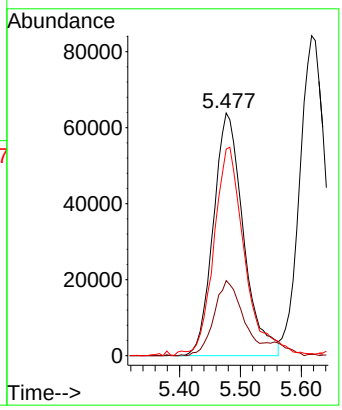


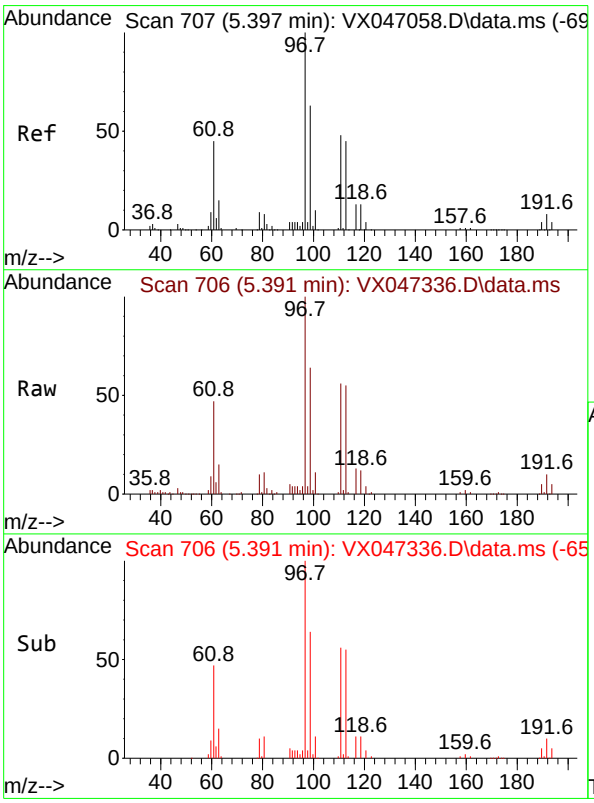
#31
Cyclohexane
Concen: 43.426 ug/l
RT: 5.477 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 56 Resp: 218621

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.3	34.9
84	83.6	66.5	99.7

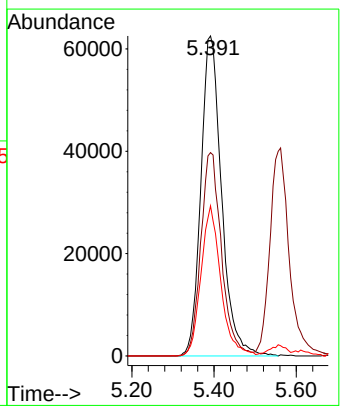


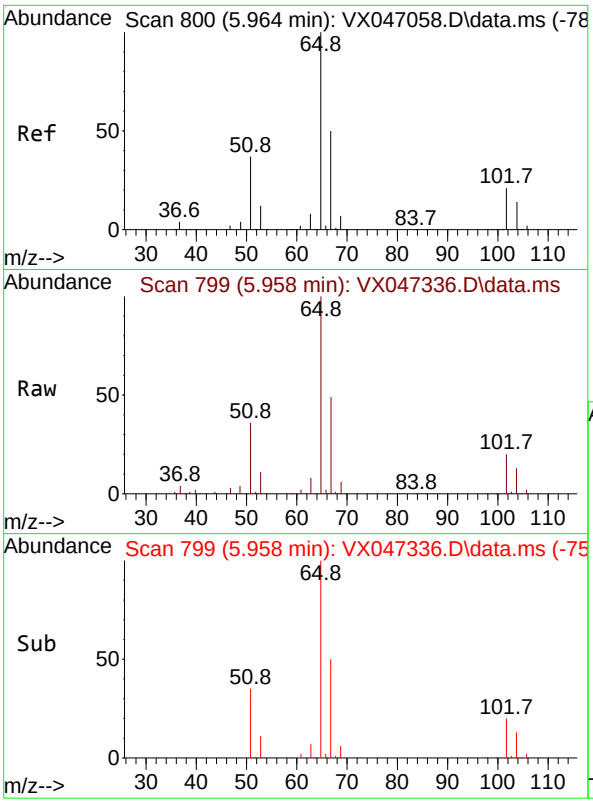


#32
1,1,1-Trichloroethane
Concen: 47.085 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 97 Resp: 218576

Ion	Ratio	Lower	Upper
97	100		
99	63.5	51.2	76.8
61	44.9	37.1	55.7



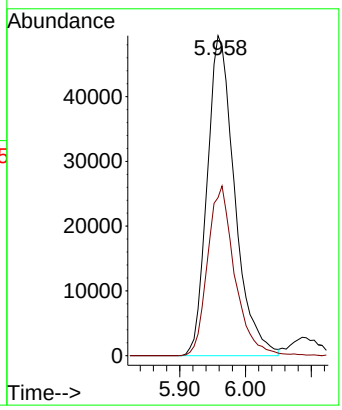


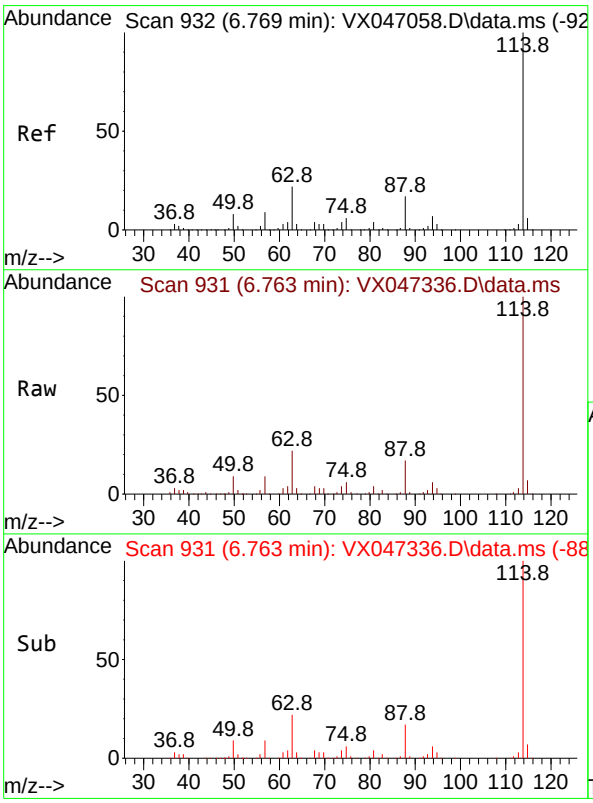
#33
1,2-Dichloroethane-d4
Concen: 53.400 ug/l
RT: 5.958 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 65 Resp: 143806

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	104.8

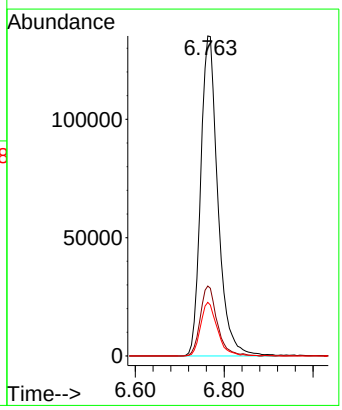


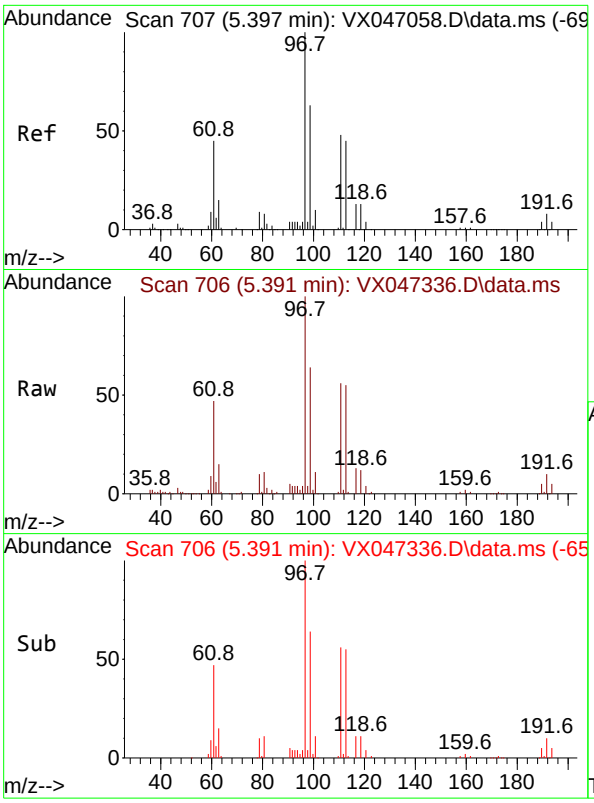


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:114 Resp: 364381

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	43.2
88	16.8	0.0	33.8



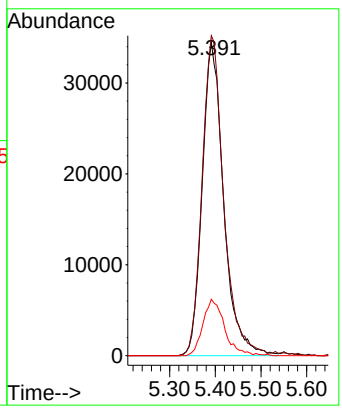


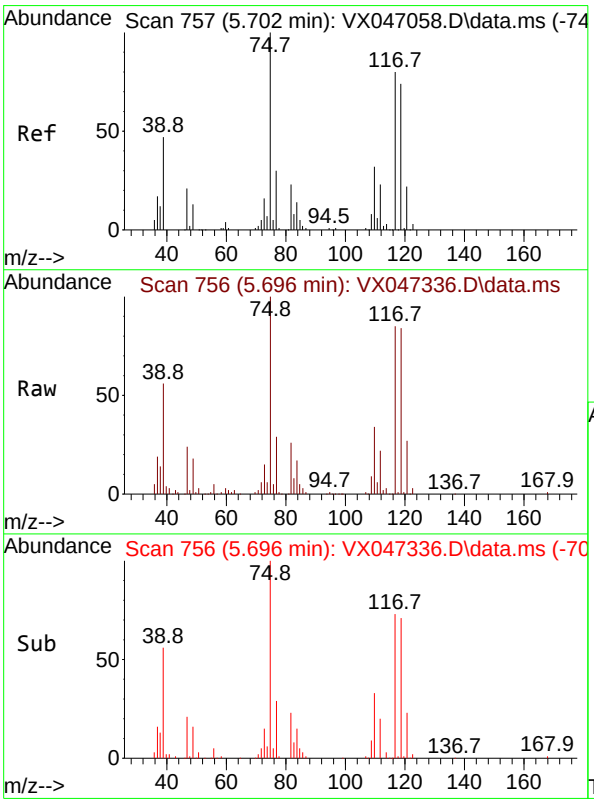
#35
Dibromofluoromethane
Concen: 49.953 ug/l
RT: 5.391 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:113 Resp: 112385

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	18.3	14.9	22.3

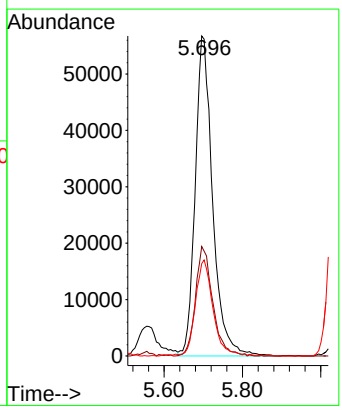


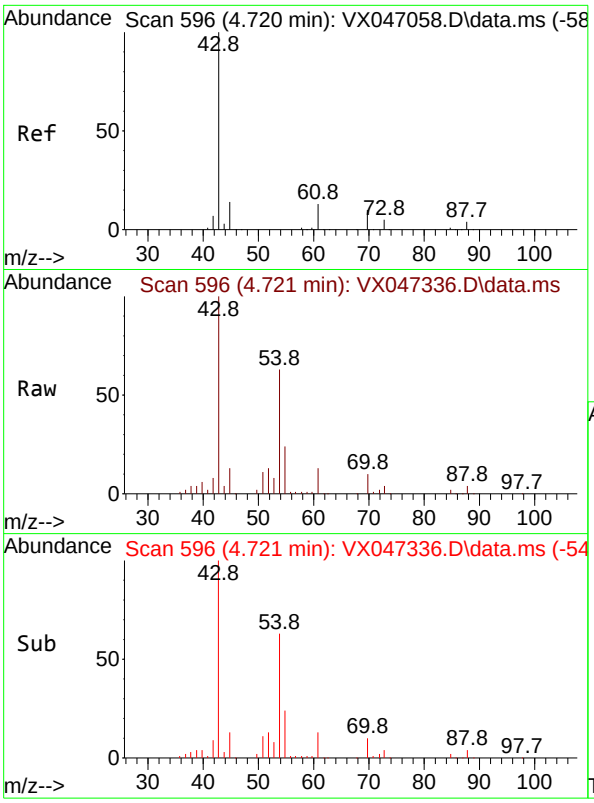


#36
1,1-Dichloropropene
Concen: 45.816 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 75 Resp: 175706

Ion	Ratio	Lower	Upper
75	100		
110	33.9	17.2	51.5
77	30.3	25.1	37.7



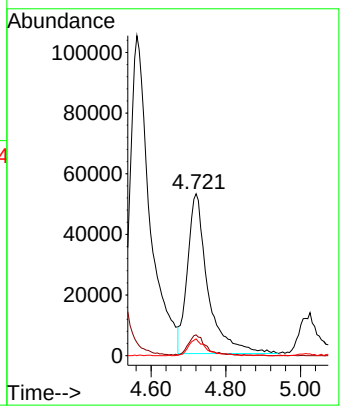


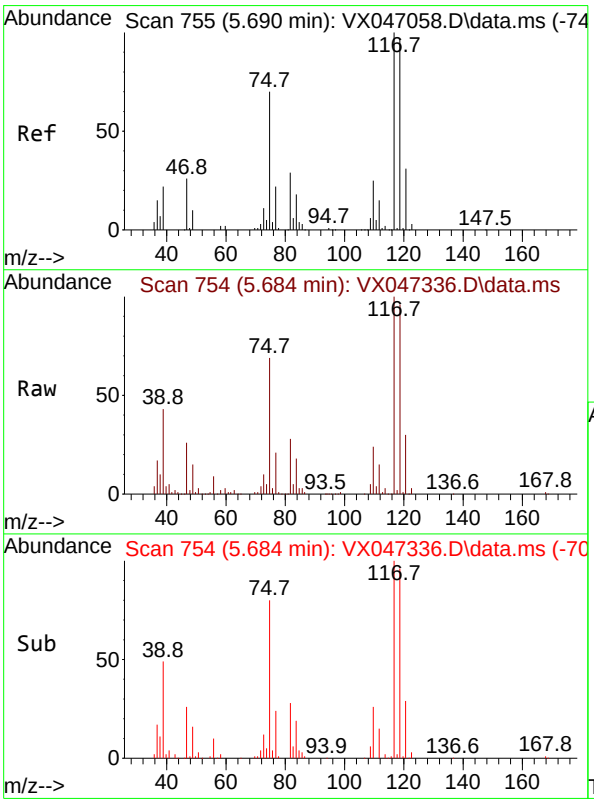
#37
Ethyl Acetate
Concen: 56.505 ug/l
RT: 4.721 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 199675

Ion	Ratio	Lower	Upper
43	100		
61	10.6	10.2	15.2
70	8.6	8.1	12.1

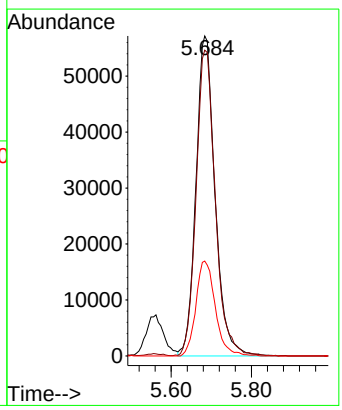


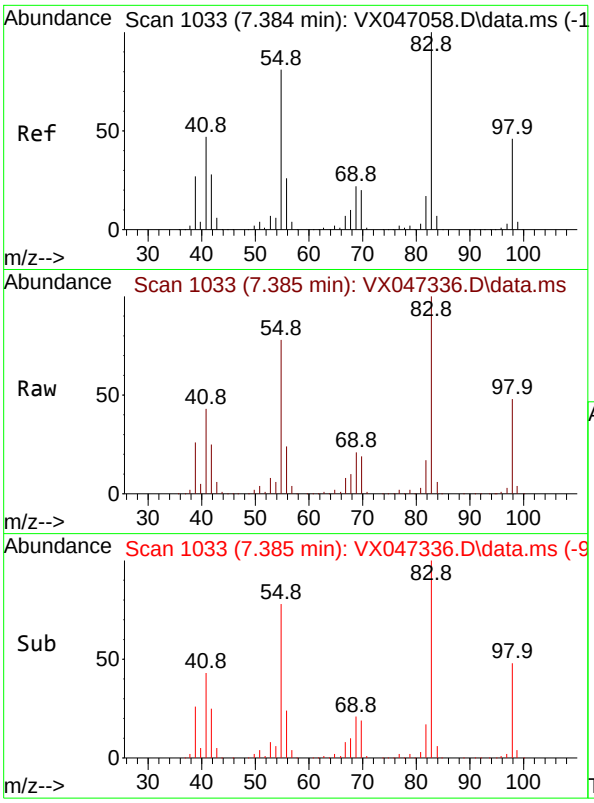


#38
Carbon Tetrachloride
Concen: 46.198 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:117 Resp: 189096

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.6	115.0
121	29.7	24.4	36.6



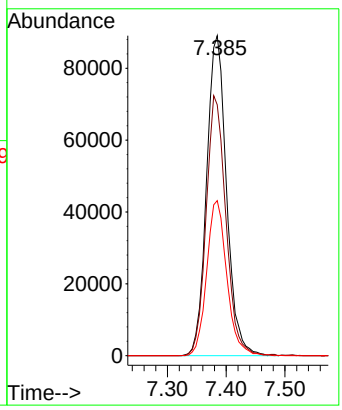


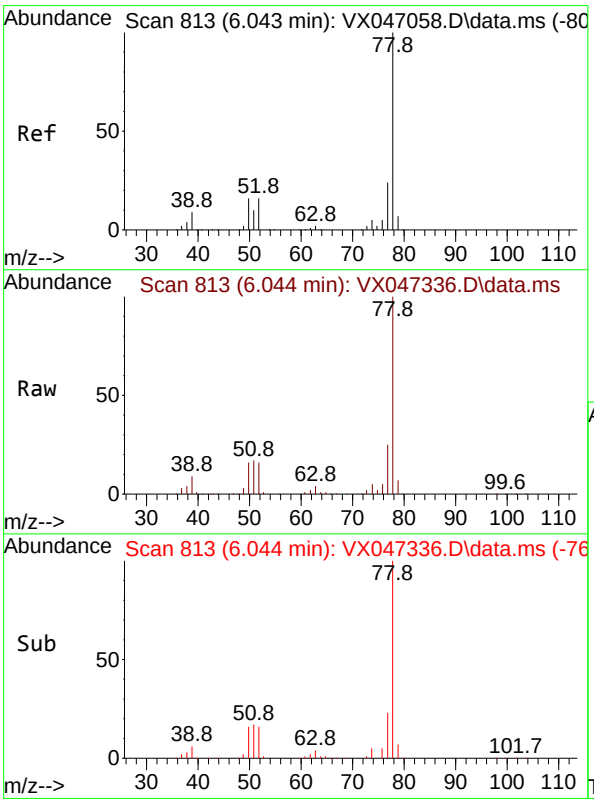
#39
Methylcyclohexane
Concen: 43.780 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 209626

Ion	Ratio	Lower	Upper
83	100		
55	78.4	64.5	96.7
98	48.5	36.9	55.3

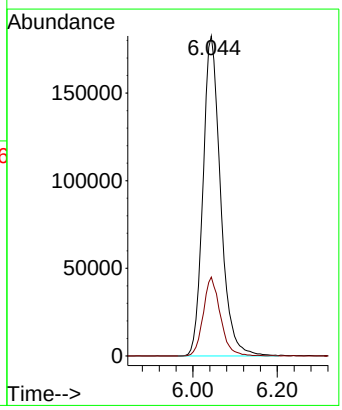


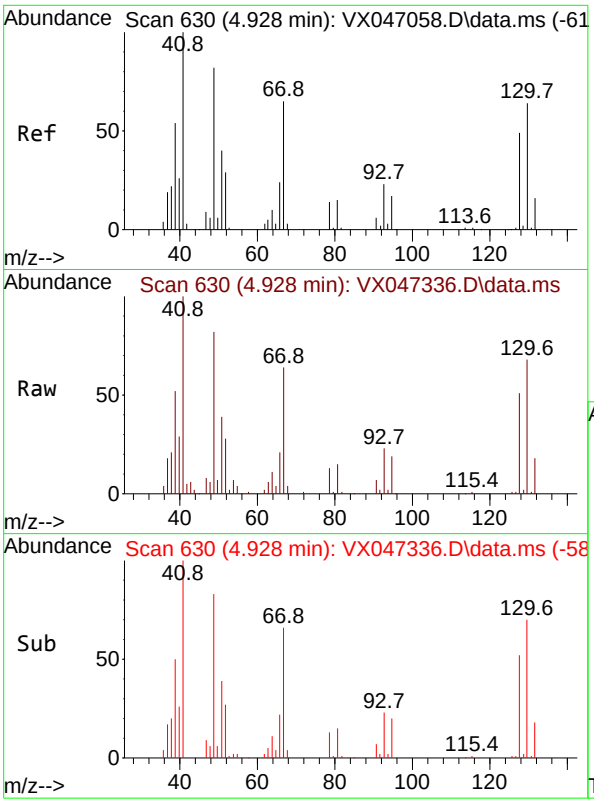


#40
Benzene
Concen: 47.737 ug/l
RT: 6.044 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 78 Resp: 529812

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.0	28.4



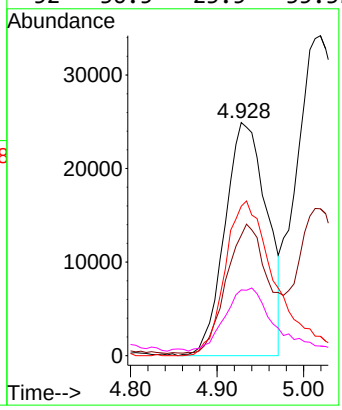


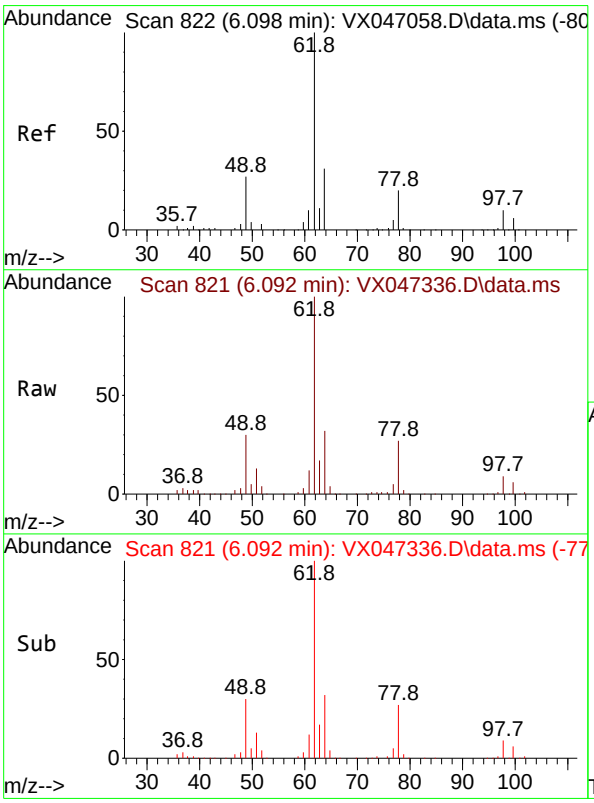
#41
Methacrylonitrile
Concen: 45.467 ug/l
RT: 4.928 min Scan# 6
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 41 Resp: 84008

Ion	Ratio	Lower	Upper
41	100		
39	56.2	44.2	66.2
67	83.2	56.4	84.6
52	36.5	23.5	35.3#

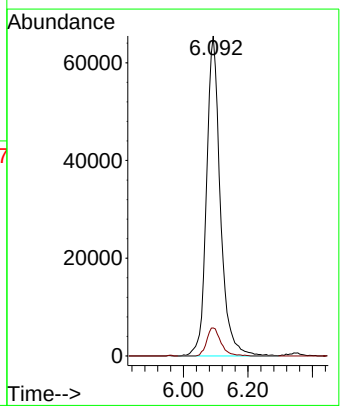


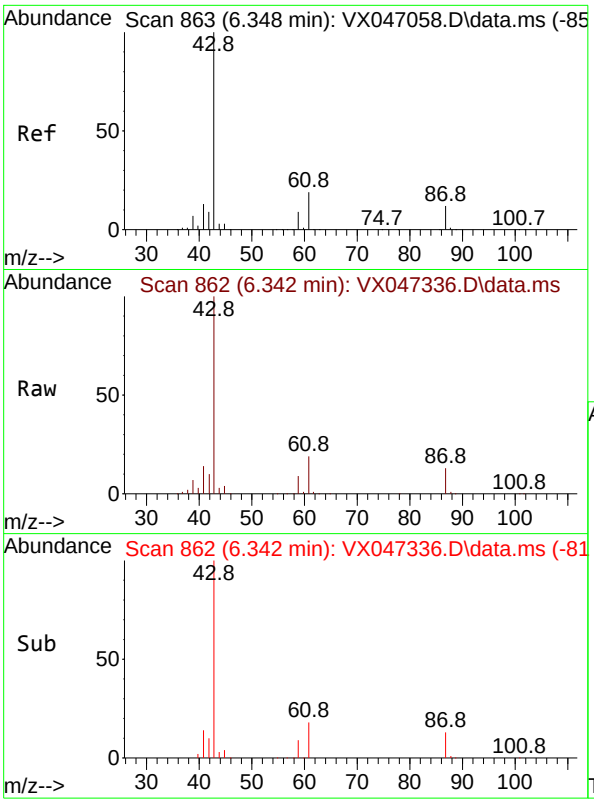


#42
1,2-Dichloroethane
Concen: 49.914 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 62 Resp: 195142

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.8



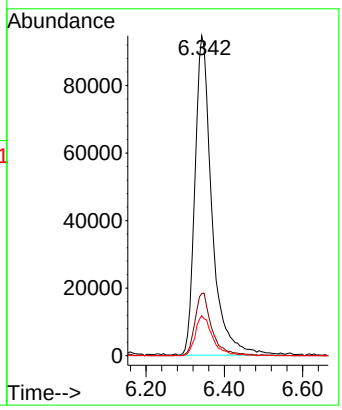


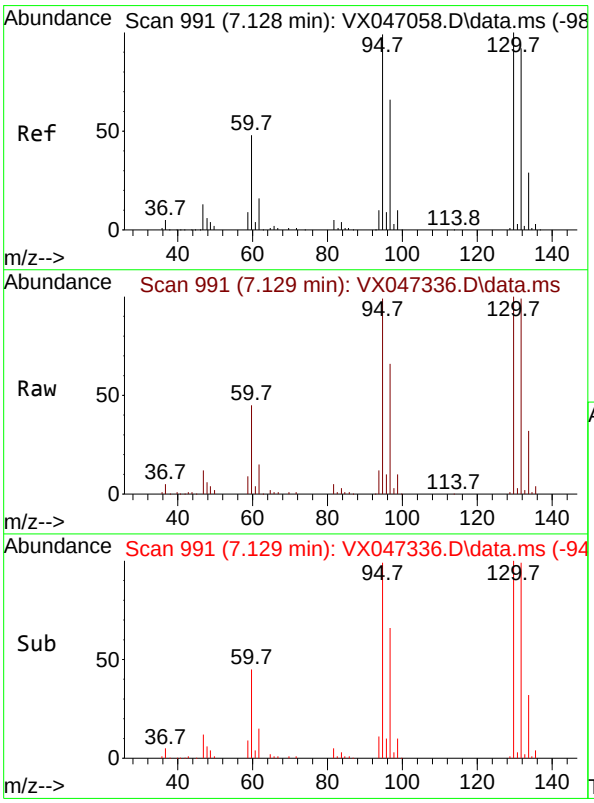
#43
Isopropyl Acetate
Concen: 51.604 ug/l
RT: 6.342 min Scan# 8
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 284290

Ion	Ratio	Lower	Upper
43	100		
61	19.6	15.1	22.7
87	12.8	9.7	14.5

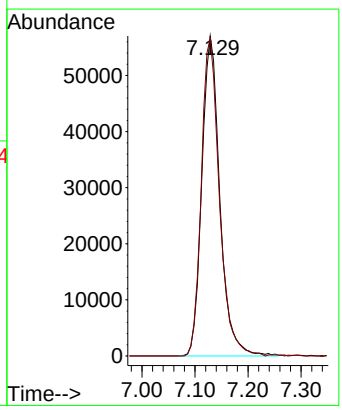


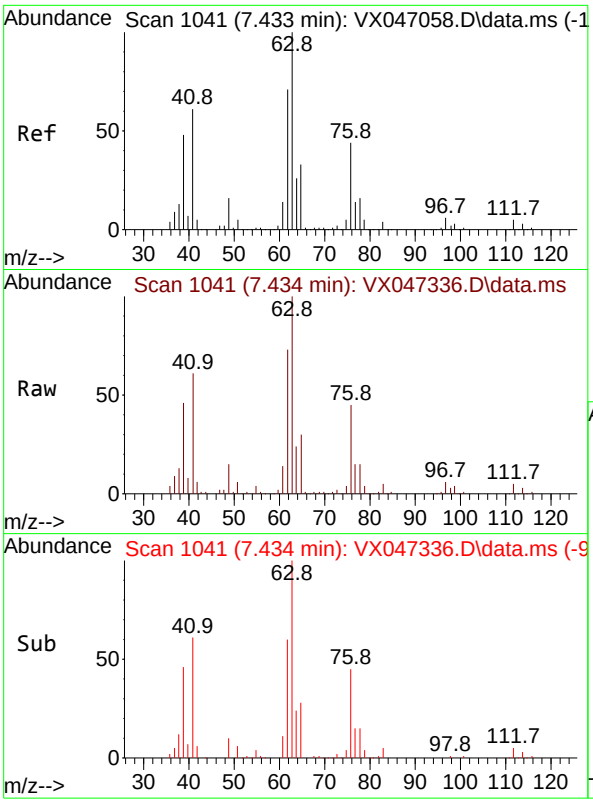


#44
Trichloroethene
Concen: 47.259 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:130 Resp: 134500

Ion	Ratio	Lower	Upper
130	100		
95	99.2	0.0	198.6



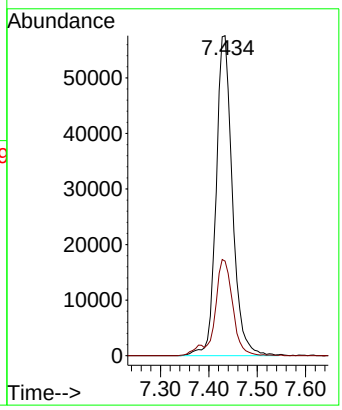


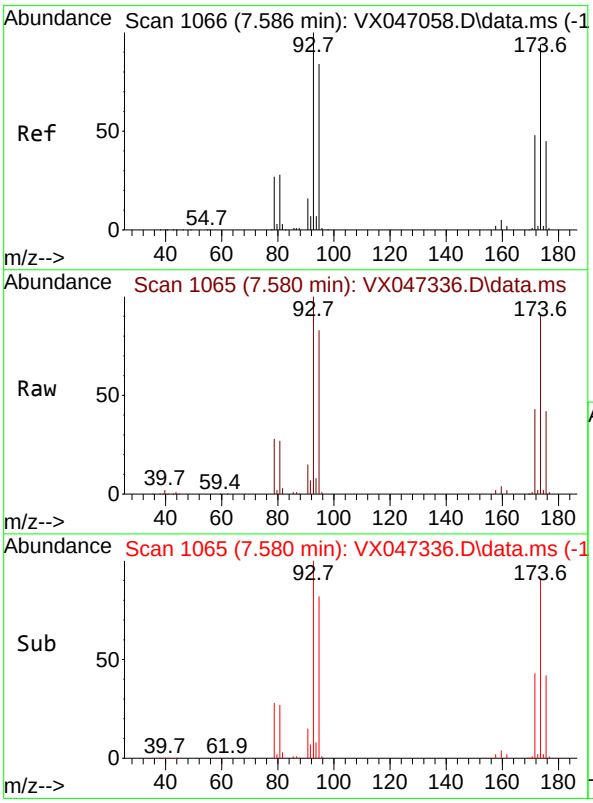
#45
1,2-Dichloropropane
Concen: 48.459 ug/l
RT: 7.434 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 63 Resp: 134701

Ion	Ratio	Lower	Upper
63	100		
65	29.5	26.3	39.5

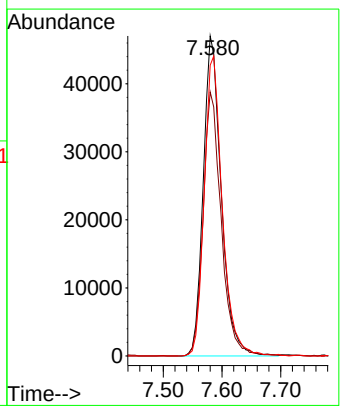


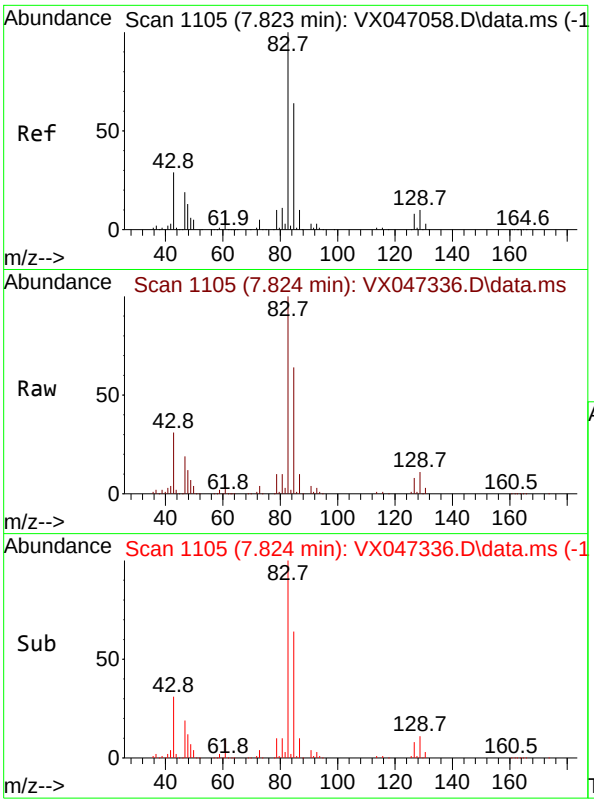


#46
Dibromomethane
Concen: 51.354 ug/l
RT: 7.580 min Scan# 1065
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 93 Resp: 100103

Ion	Ratio	Lower	Upper
93	100		
95	82.9	65.9	98.9
174	94.2	74.6	112.0



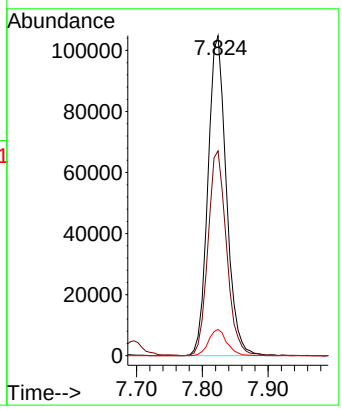


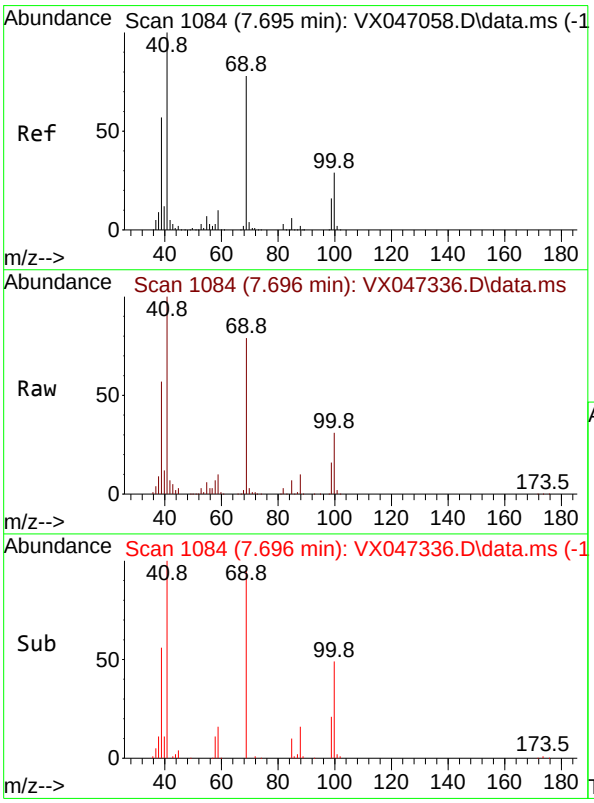
#47
Bromodichloromethane
Concen: 49.252 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 204348

Ion	Ratio	Lower	Upper
83	100		
85	63.9	49.9	74.9
127	8.2	6.6	10.0

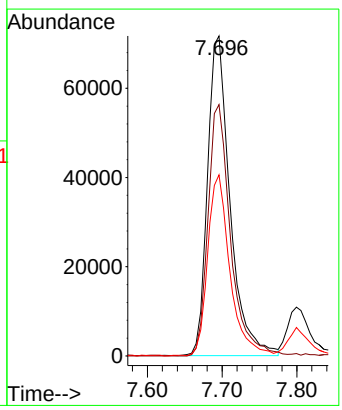


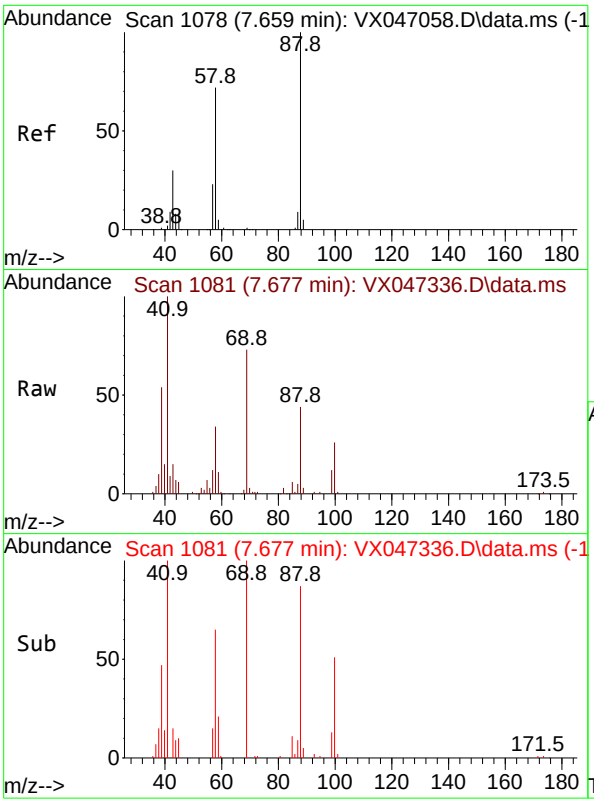


#48
Methyl methacrylate
Concen: 50.008 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 41 Resp: 150081

Ion	Ratio	Lower	Upper
41	100		
69	78.9	62.3	93.5
39	56.2	44.8	67.2



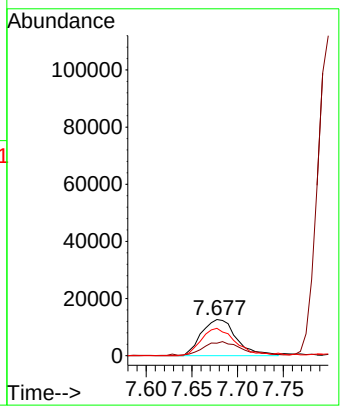


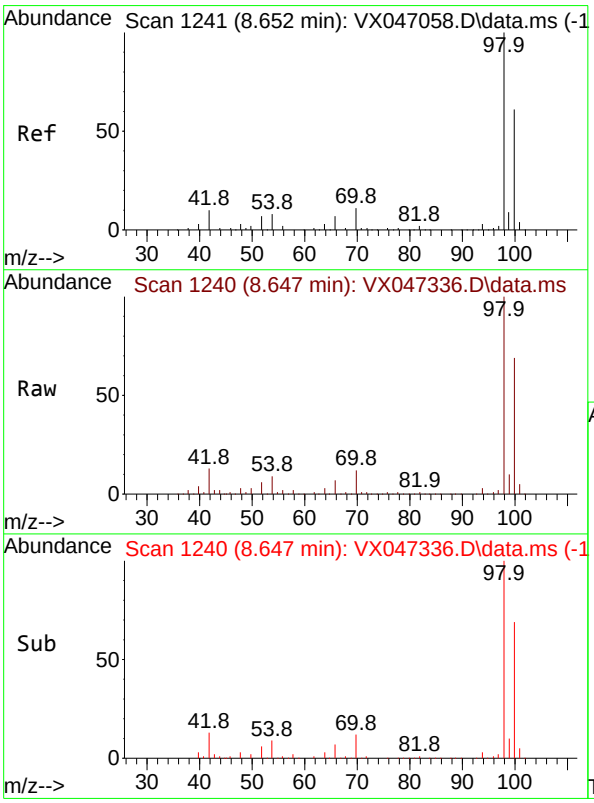
#49
1,4-Dioxane
Concen: 992.555 ug/l
RT: 7.677 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 88 Resp: 33880

Ion	Ratio	Lower	Upper
88	100		
43	39.0	33.6	50.4
58	75.0	58.8	88.2

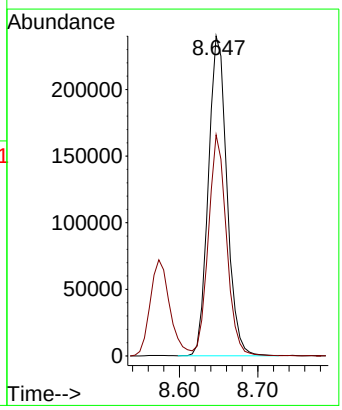


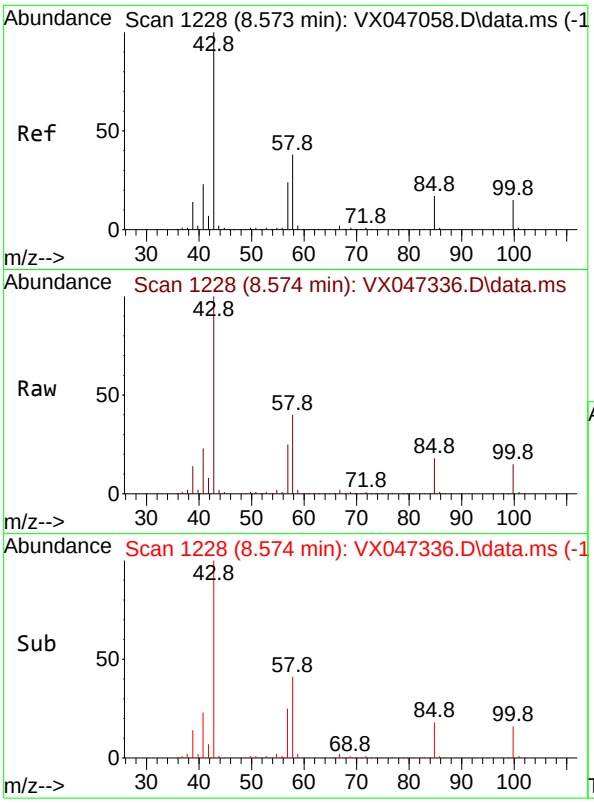


#50
Toluene-d8
Concen: 54.074 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 98 Resp: 393982

Ion	Ratio	Lower	Upper
98	100		
100	67.5	53.3	79.9



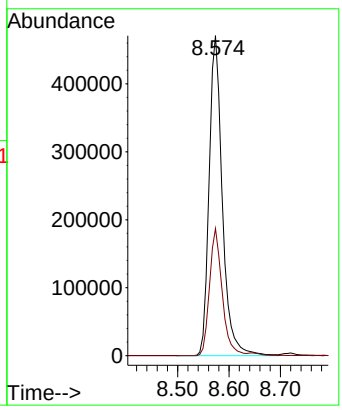


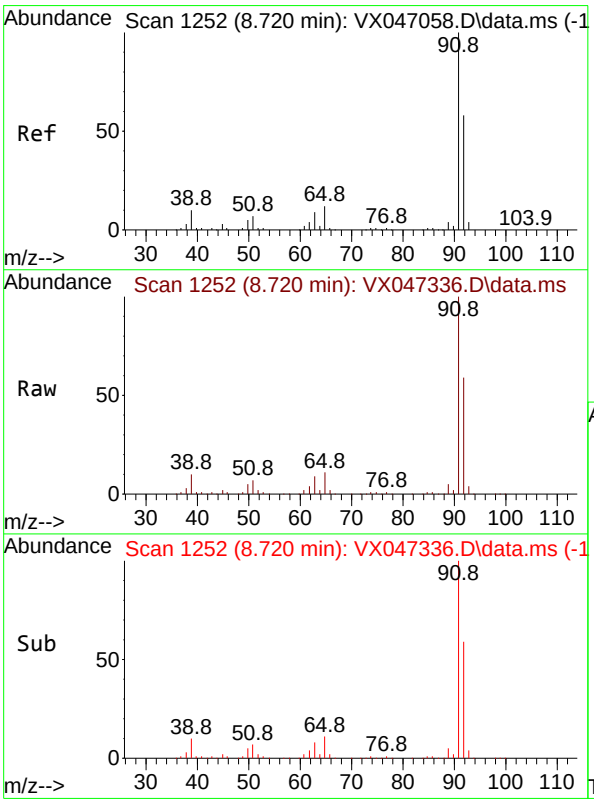
#51
4-Methyl-2-Pentanone
Concen: 256.357 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 839443

Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.6	45.8

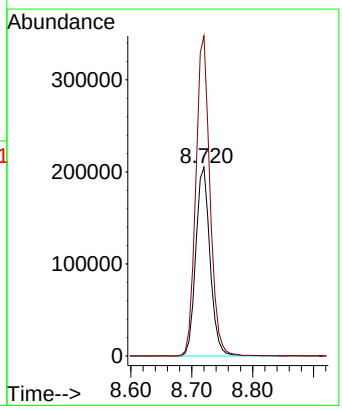


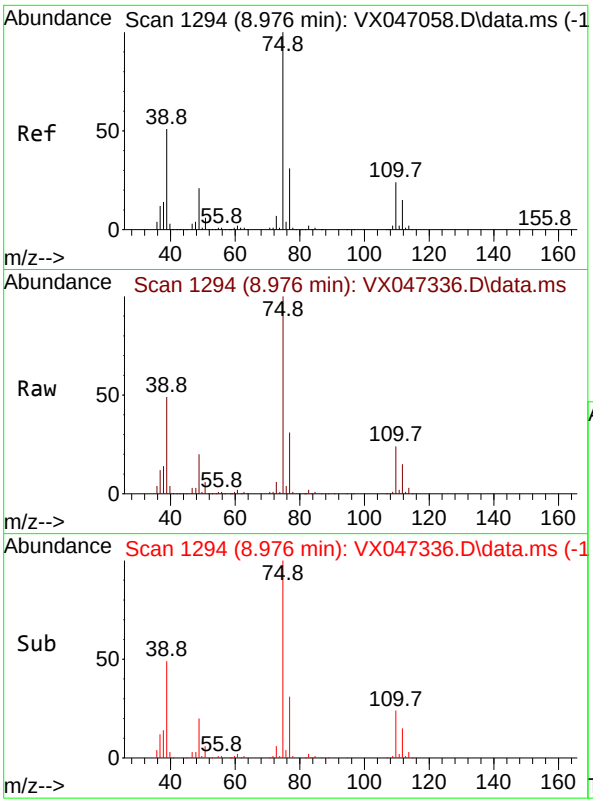


#52
Toluene
Concen: 48.798 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 92 Resp: 333006

Ion	Ratio	Lower	Upper
92	100		
91	168.2	137.9	206.9



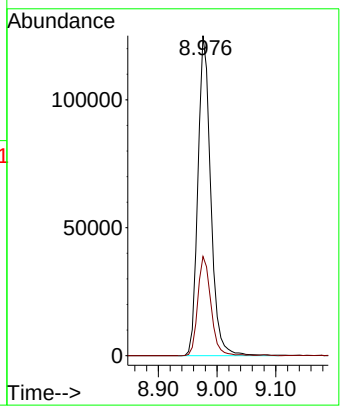


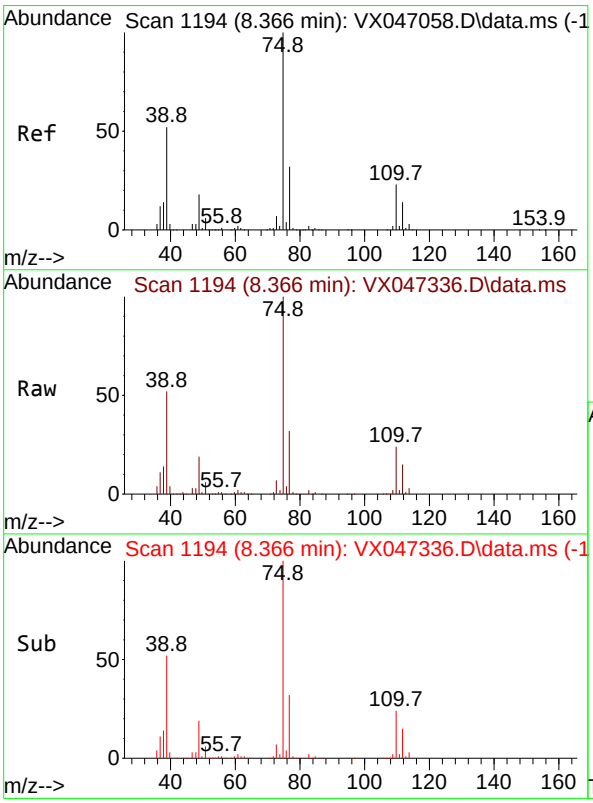
#53
t-1,3-Dichloropropene
Concen: 48.534 ug/l
RT: 8.976 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 190158

Ion	Ratio	Lower	Upper
75	100		
77	31.0	24.5	36.7

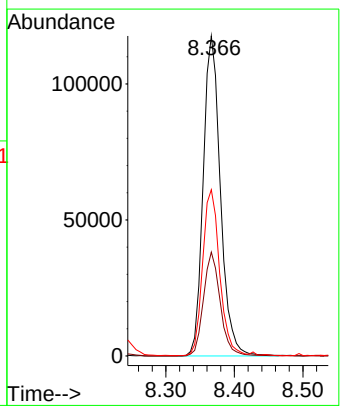


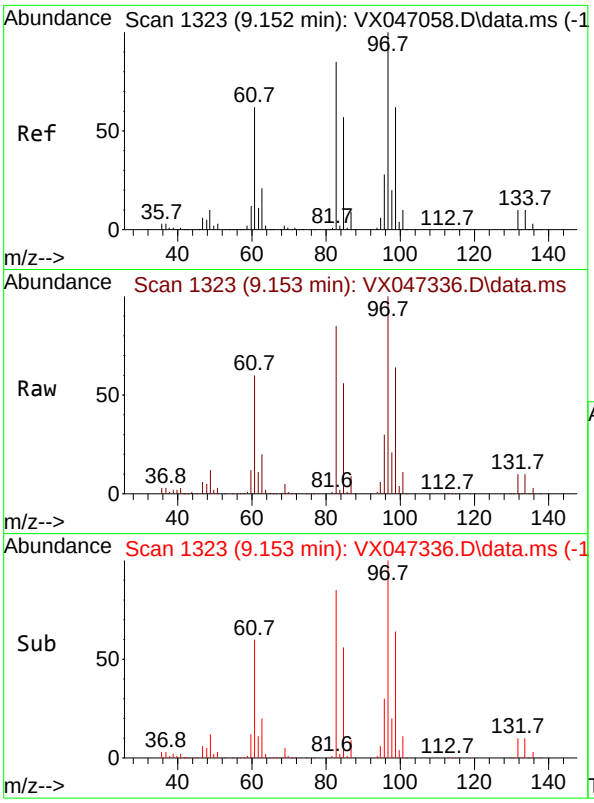


#54
cis-1,3-Dichloropropene
Concen: 48.060 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 75 Resp: 206091

Ion	Ratio	Lower	Upper
75	100		
77	32.5	25.4	38.0
39	51.8	41.8	62.6



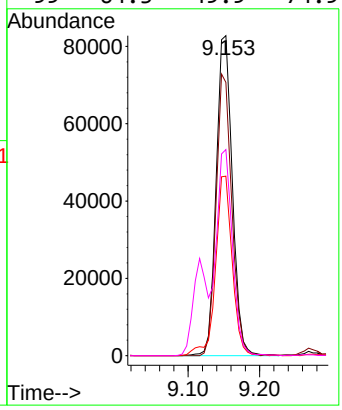


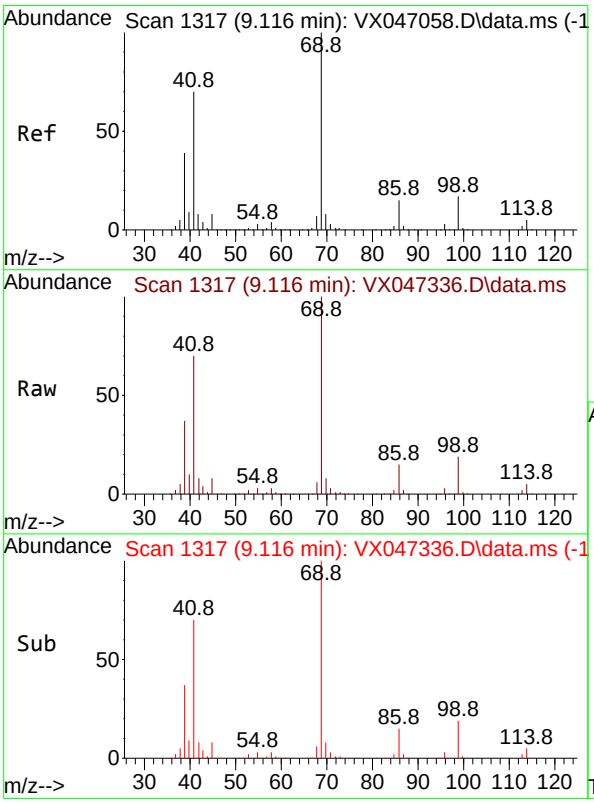
#55
1,1,2-Trichloroethane
Concen: 50.781 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 97 Resp: 129962

Ion	Ratio	Lower	Upper
97	100		
83	85.4	68.0	102.0
85	56.0	45.2	67.8
99	64.3	49.9	74.9

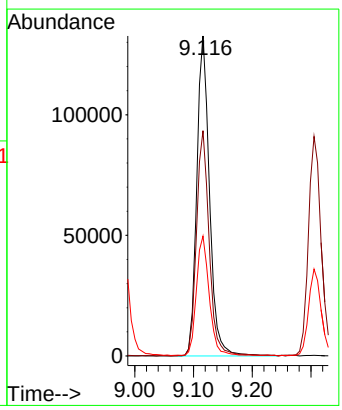


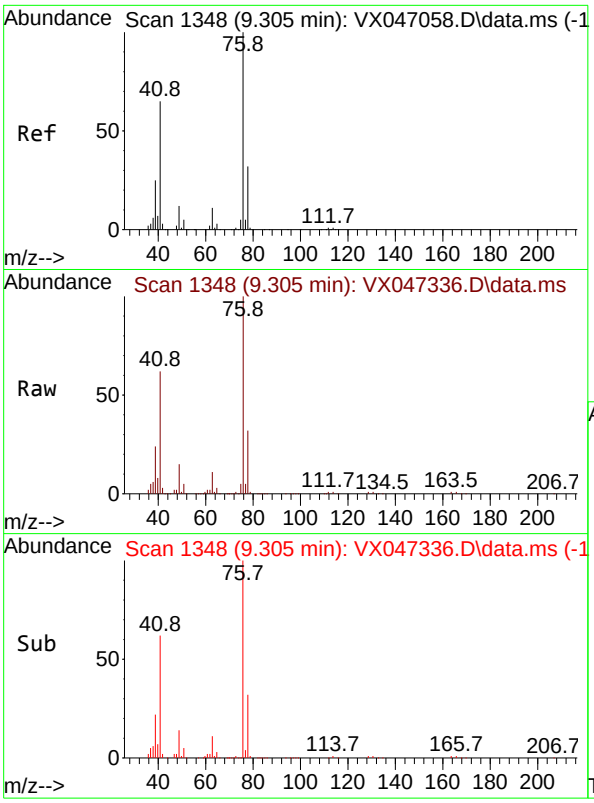


#56
Ethyl methacrylate
Concen: 52.723 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 69 Resp: 199756

Ion	Ratio	Lower	Upper
69	100		
41	70.7	56.1	84.1
39	37.4	31.1	46.7



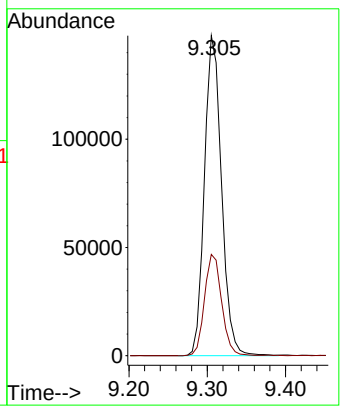


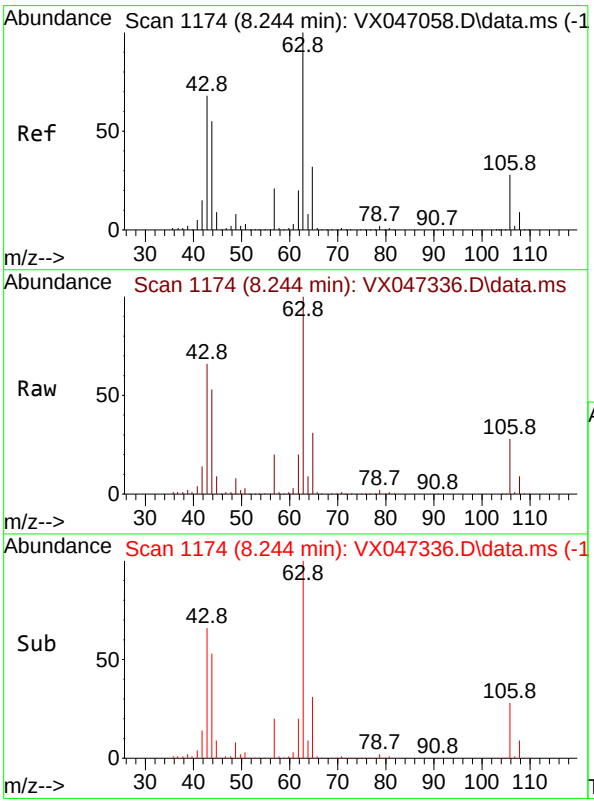
#57
1,3-Dichloropropane
Concen: 50.286 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 76 Resp: 223669

Ion	Ratio	Lower	Upper
76	100		
78	31.7	25.5	38.3

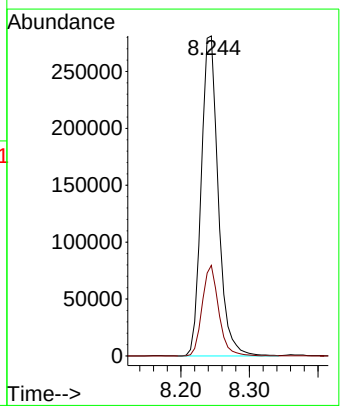


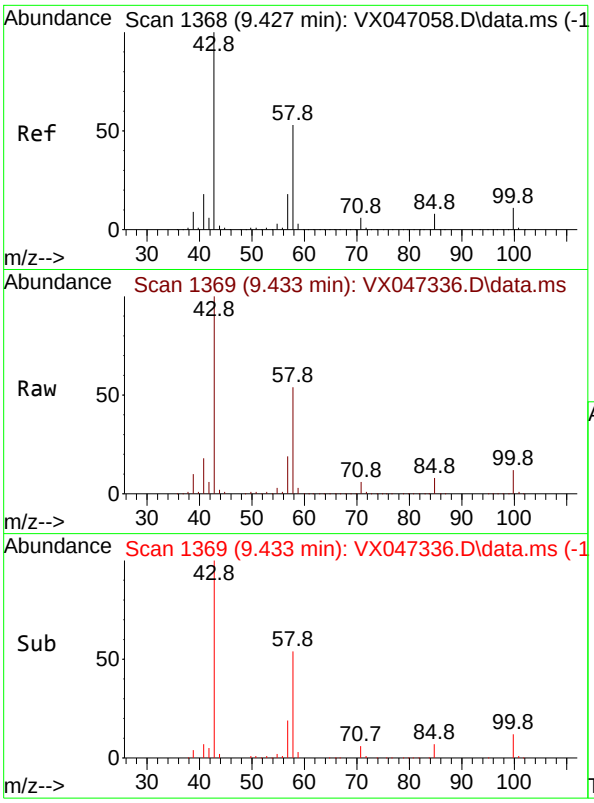


#58
2-Chloroethyl Vinyl ether
Concen: 230.595 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 63 Resp: 486170

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.2	33.4



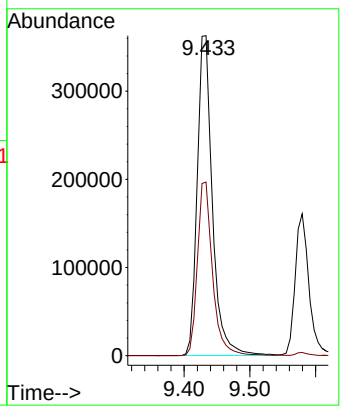


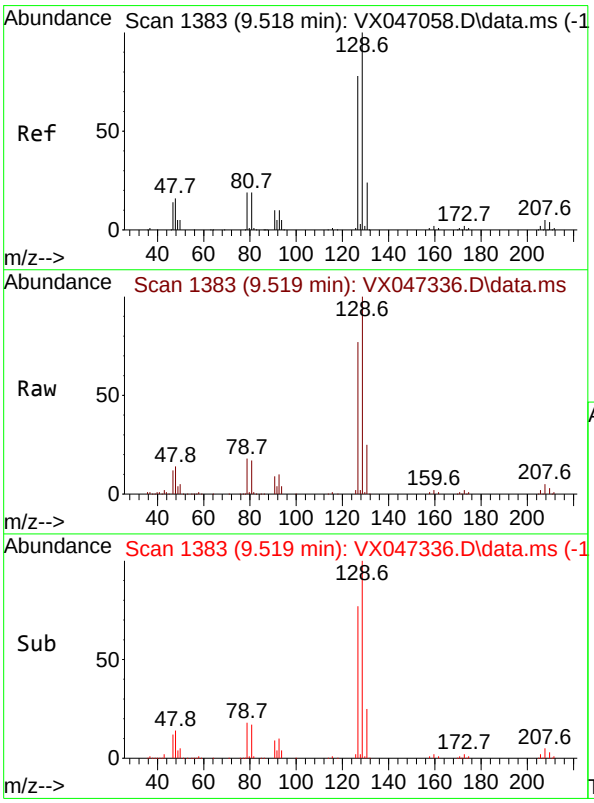
#59
2-Hexanone
Concen: 268.689 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 43 Resp: 581283

Ion	Ratio	Lower	Upper
43	100		
58	54.3	26.5	79.5

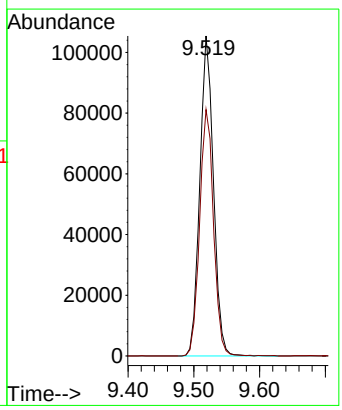


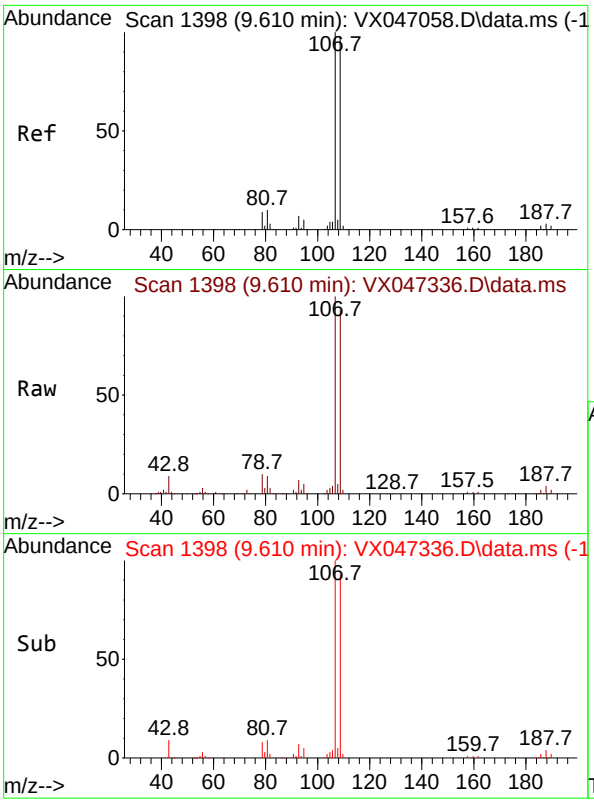


#60
Dibromochloromethane
Concen: 50.582 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:129 Resp: 151824

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.6	115.8



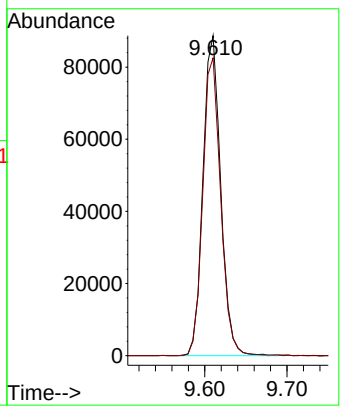


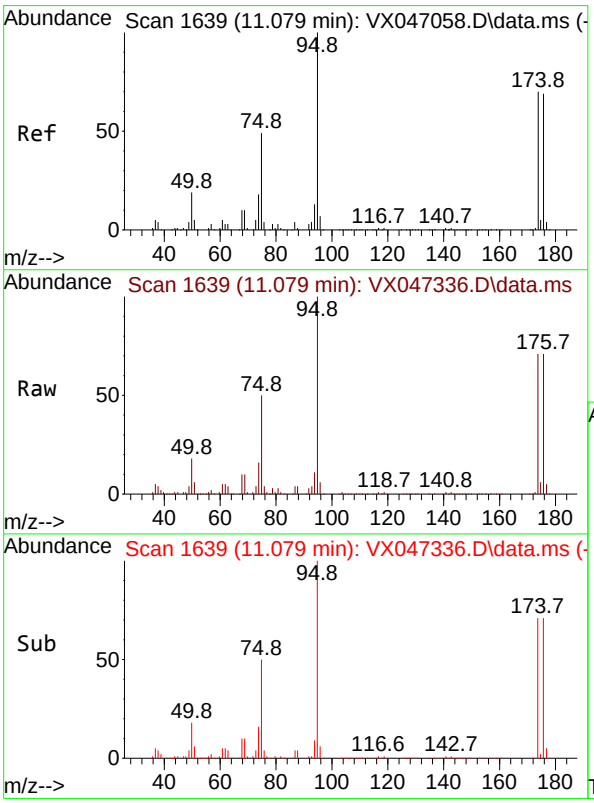
#61
1,2-Dibromoethane
Concen: 49.612 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:107 Resp: 132764

Ion	Ratio	Lower	Upper
107	100		
109	94.0	74.6	112.0

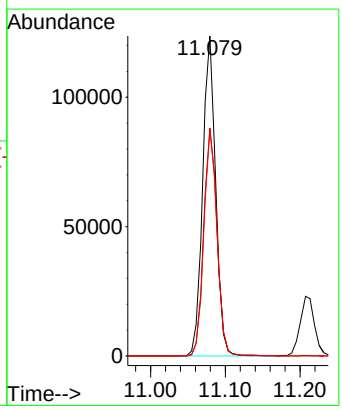


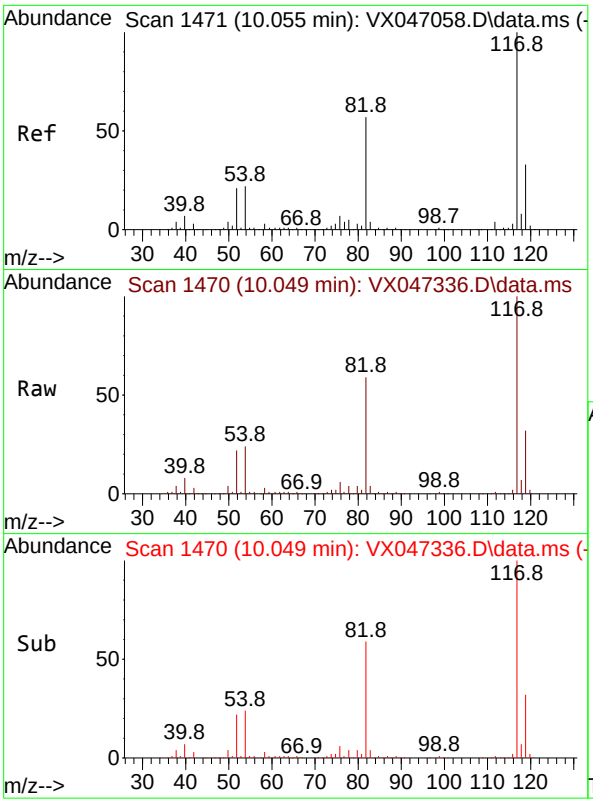


#62
4-Bromofluorobenzene
Concen: 47.558 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 95 Resp: 149323

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	144.6
176	71.2	0.0	139.6



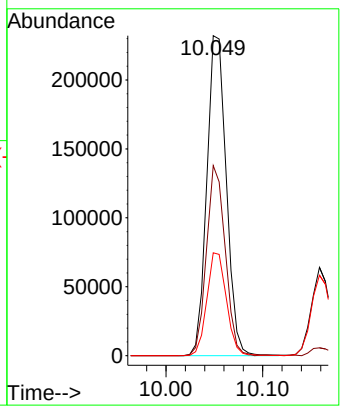


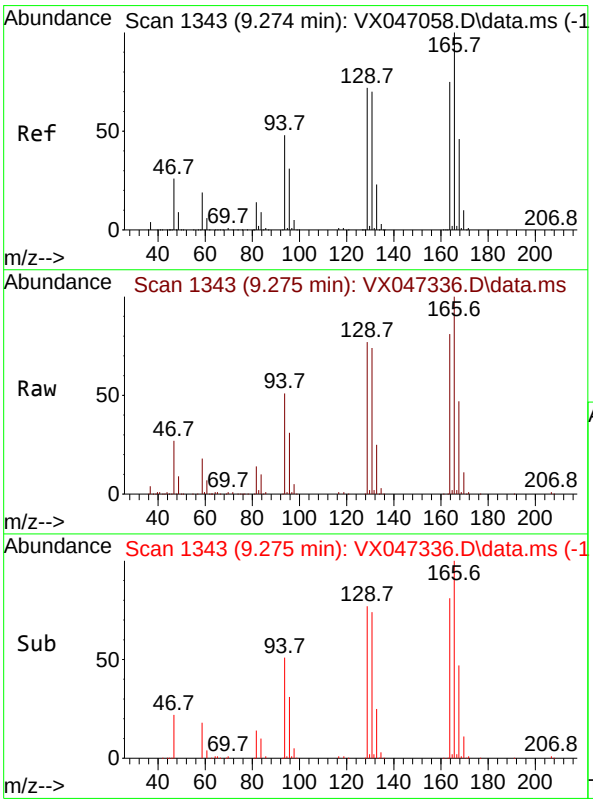
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:117 Resp: 324602

Ion	Ratio	Lower	Upper
117	100		
82	59.4	45.4	68.2
119	32.2	26.1	39.1

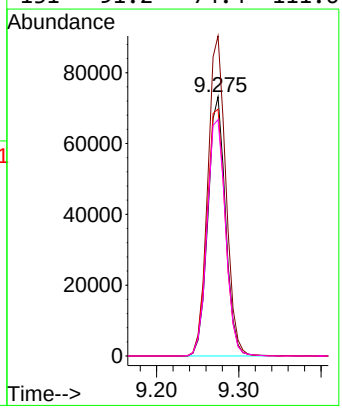


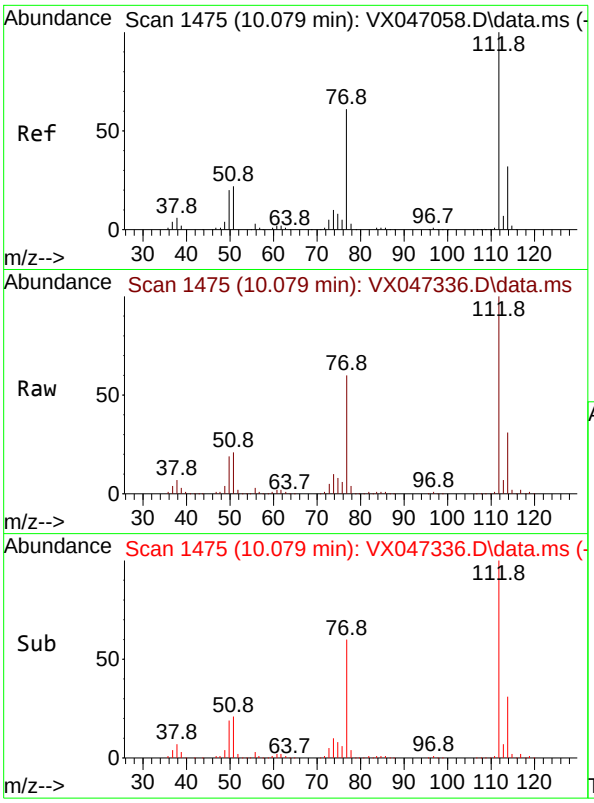


#64
Tetrachloroethene
Concen: 46.246 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:164 Resp: 108216

Ion	Ratio	Lower	Upper
164	100		
166	123.5	106.2	159.4
129	95.3	76.6	114.8
131	91.2	74.4	111.6



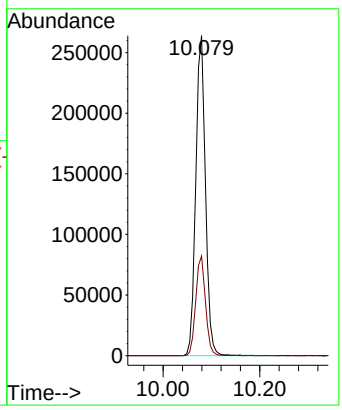


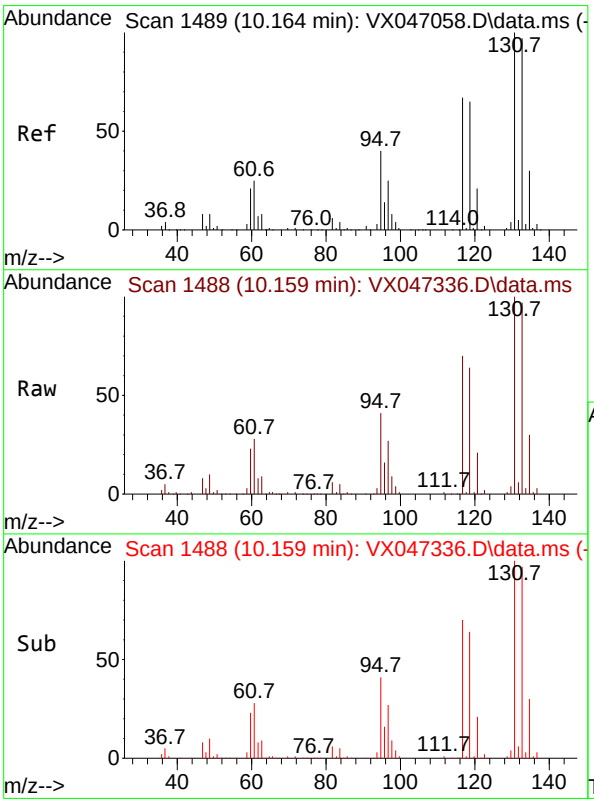
#65
Chlorobenzene
Concen: 48.146 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:112 Resp: 366123

Ion	Ratio	Lower	Upper
112	100		
114	31.1	25.8	38.6

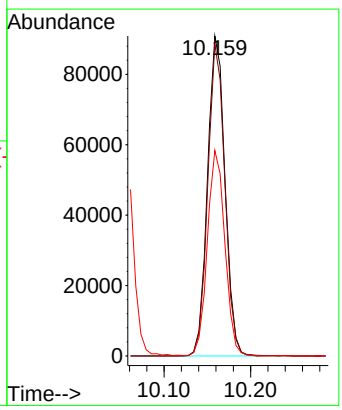


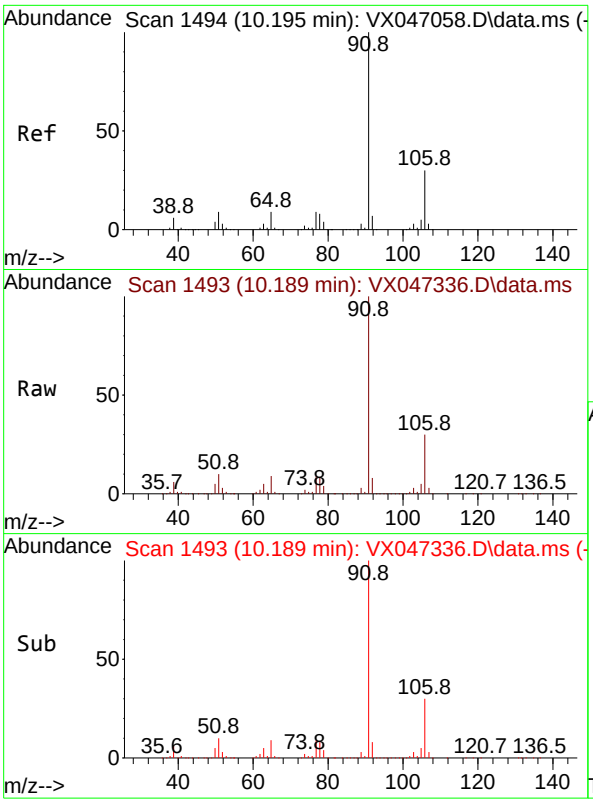


#66
1,1,1,2-Tetrachloroethane
Concen: 49.796 ug/l
RT: 10.159 min Scan# 1488
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:131 Resp: 127490

Ion	Ratio	Lower	Upper
131	100		
133	94.9	48.4	145.3
119	64.3	32.4	97.0



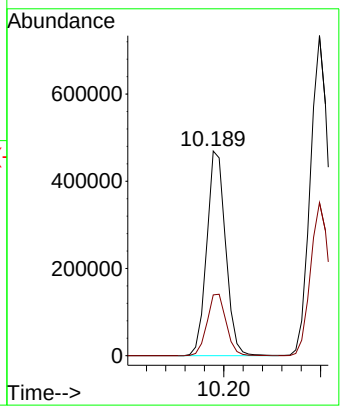


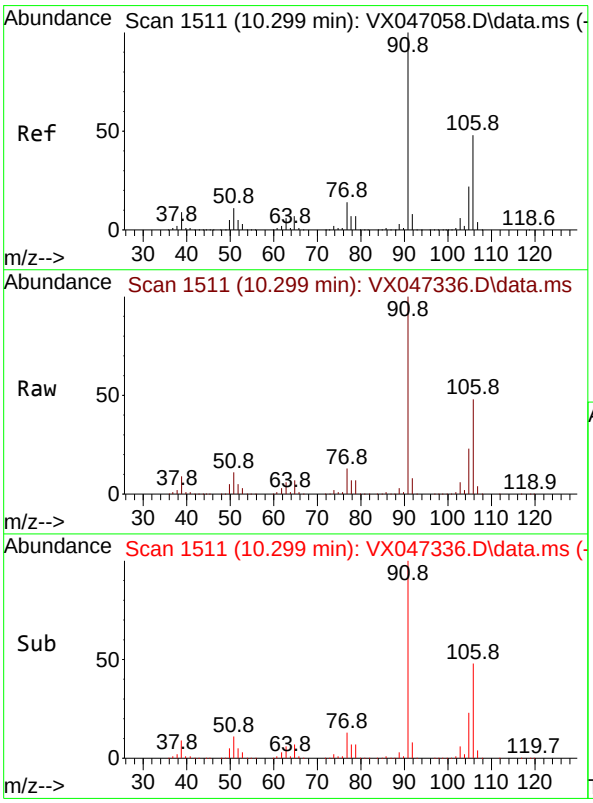
#67
Ethyl Benzene
Concen: 47.796 ug/l
RT: 10.189 min Scan# 14
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 635493

Ion	Ratio	Lower	Upper
91	100		
106	29.7	24.2	36.4

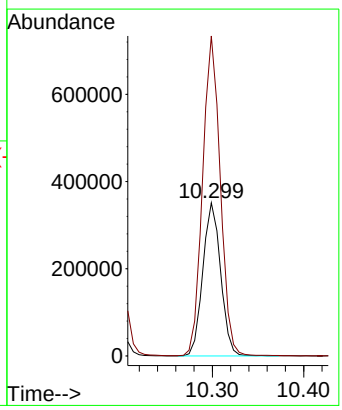


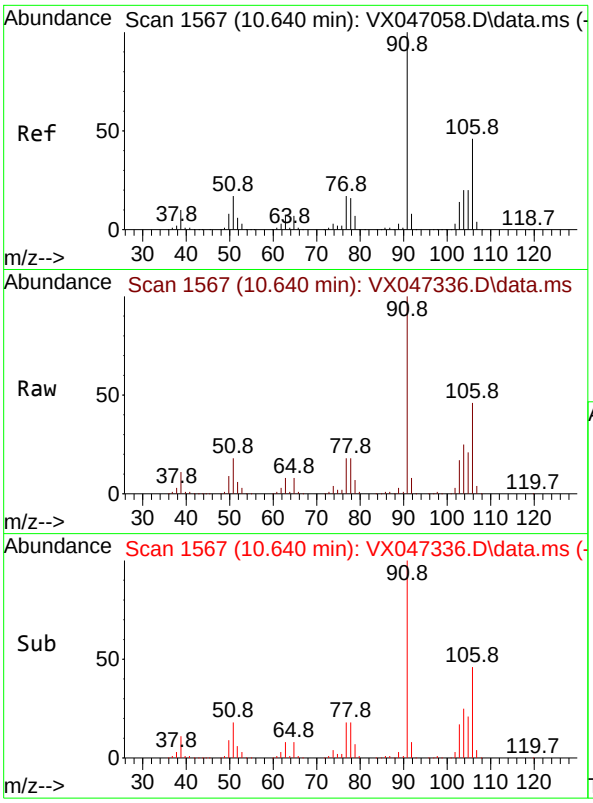


#68
m/p-Xylenes
Concen: 95.321 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:106 Resp: 474279

Ion	Ratio	Lower	Upper
106	100		
91	207.7	167.4	251.0



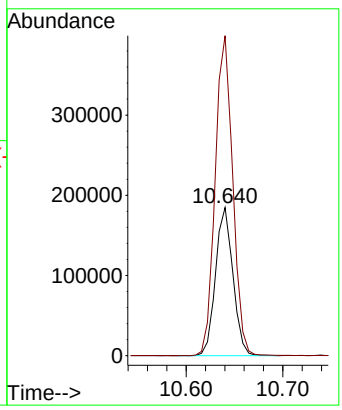


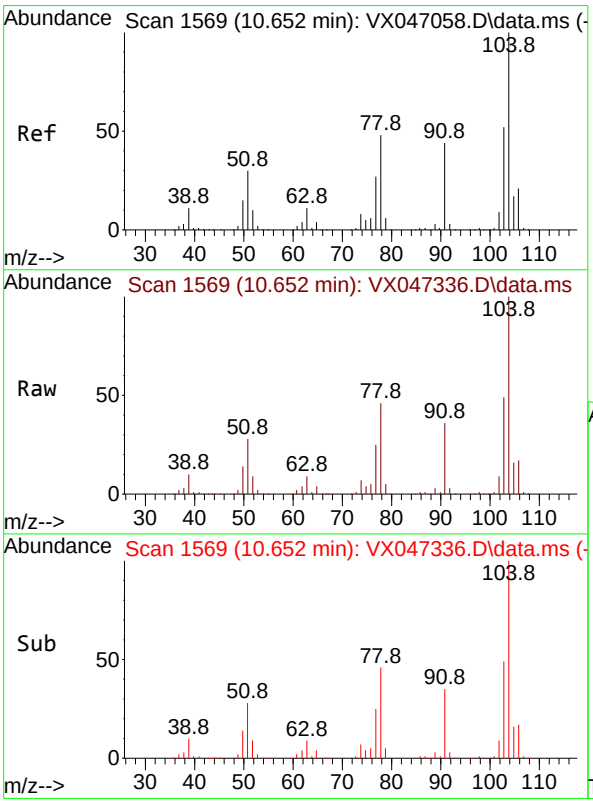
#69
o-Xylene
Concen: 48.705 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:106 Resp: 230538

Ion	Ratio	Lower	Upper
106	100		
91	218.5	110.3	331.0

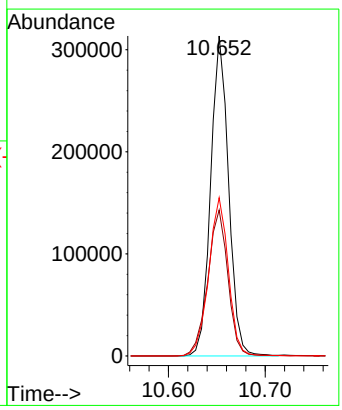


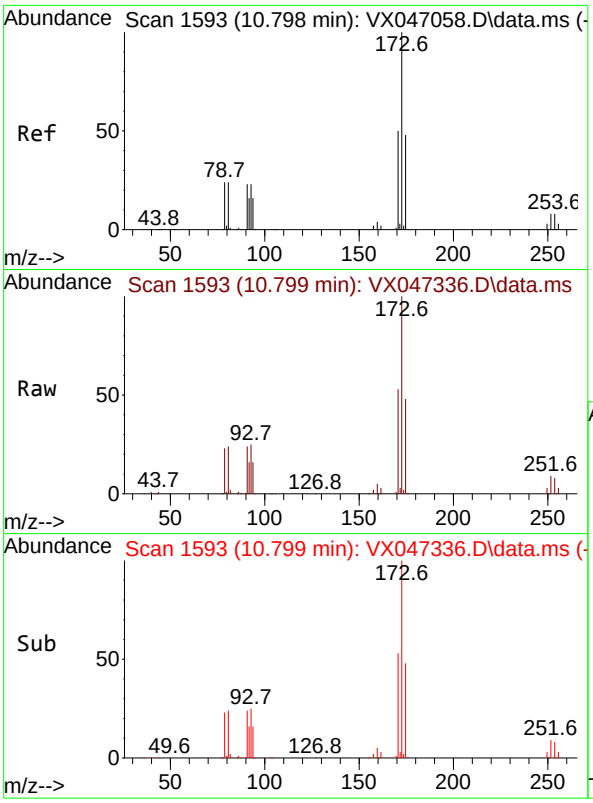


#70
Styrene
Concen: 49.717 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:104 Resp: 403534

Ion	Ratio	Lower	Upper
104	100		
78	51.5	42.0	63.0
103	54.4	43.8	65.6



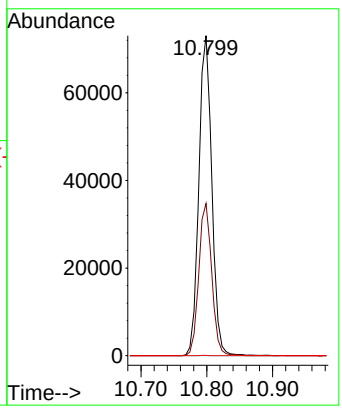


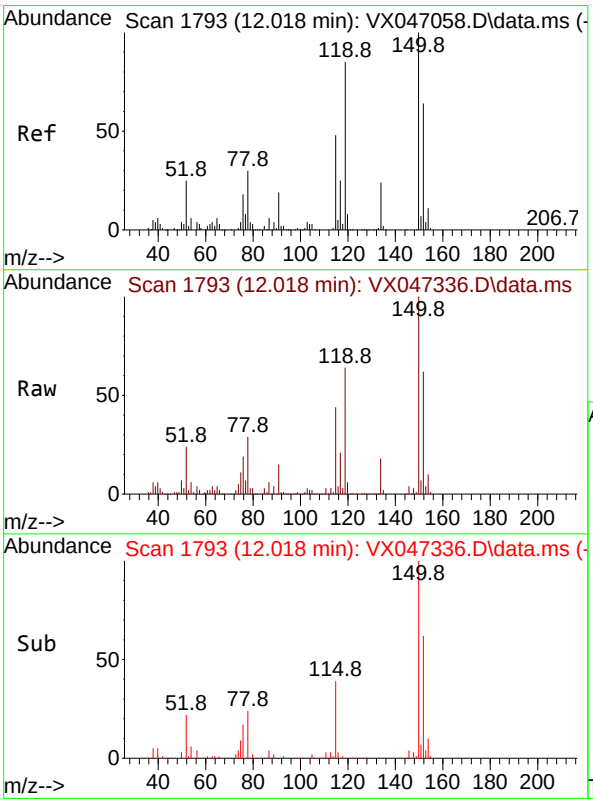
#71
Bromoform
Concen: 51.400 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:173 Resp: 99964

Ion	Ratio	Lower	Upper
173	100		
175	47.6	24.2	72.6
254	0.1	0.1	0.1#

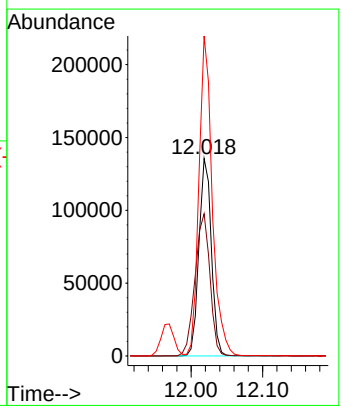


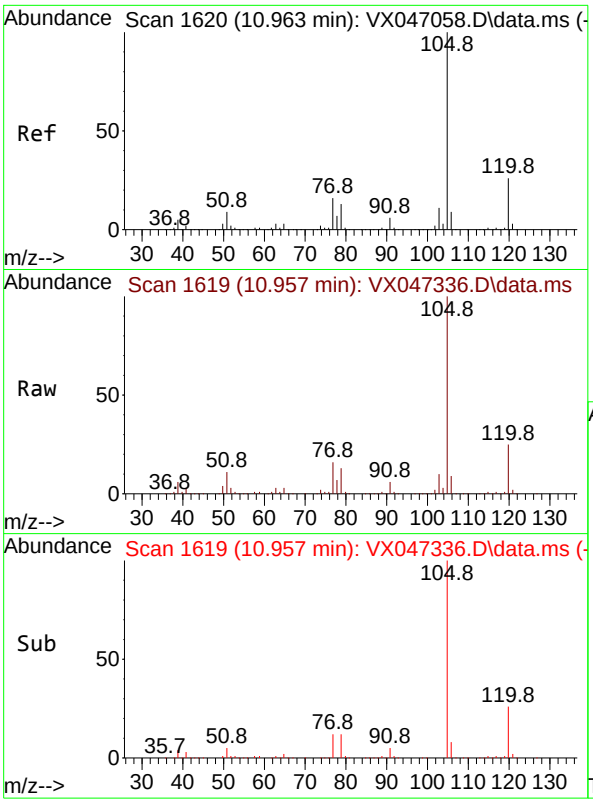


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:152 Resp: 163540

Ion	Ratio	Lower	Upper
152	100		
115	86.5	45.6	136.7
150	173.6	0.0	354.6



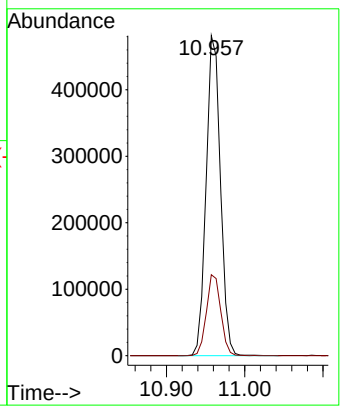


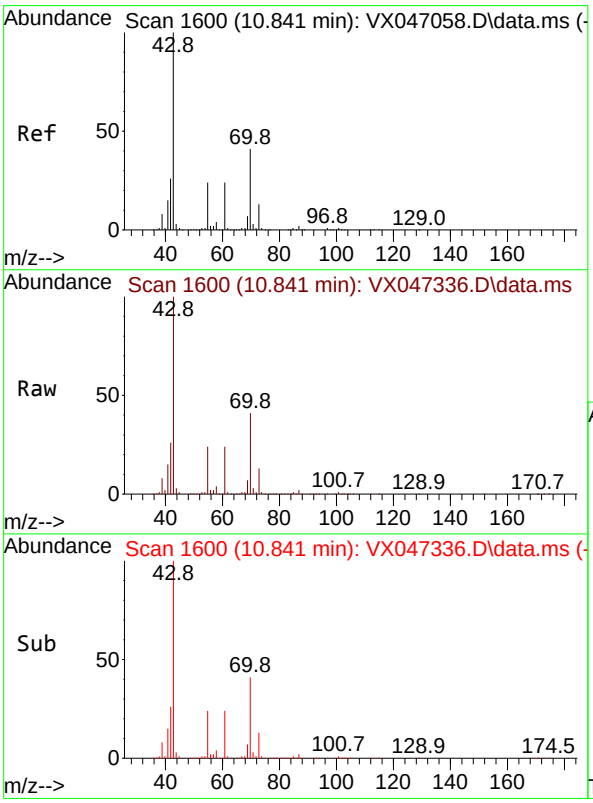
#73
Isopropylbenzene
Concen: 47.161 ug/l
RT: 10.957 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 608481

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.9	38.7

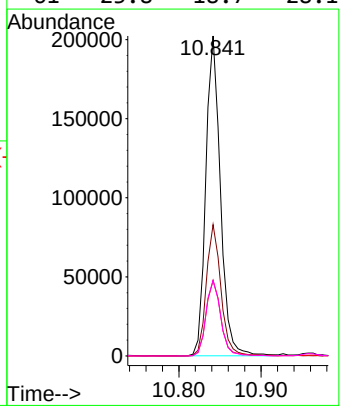


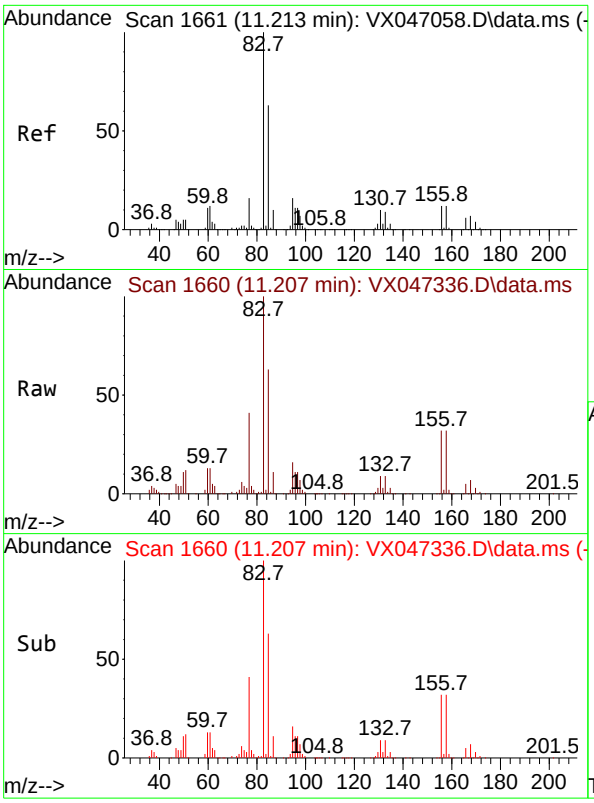


#74
N-amyl acetate
Concen: 47.961 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 43 Resp: 249680

Ion	Ratio	Lower	Upper
43	100		
70	41.3	32.3	48.5
55	24.0	18.9	28.3
61	23.8	18.7	28.1



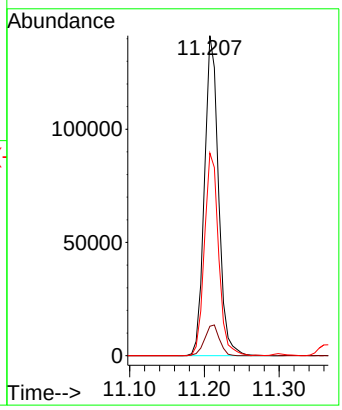


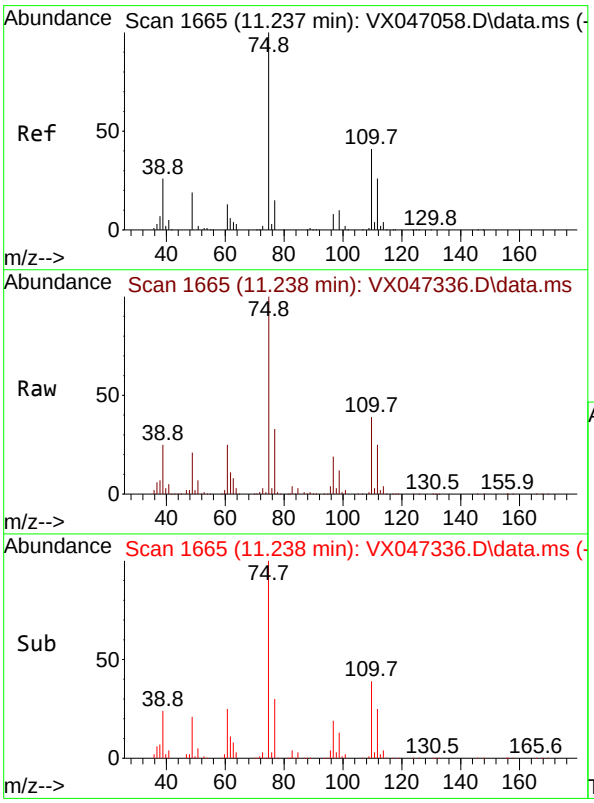
#75
1,1,2,2-Tetrachloroethane
Concen: 49.925 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 83 Resp: 184000

Ion	Ratio	Lower	Upper
83	100		
131	10.1	5.0	14.9
85	64.0	32.0	96.2

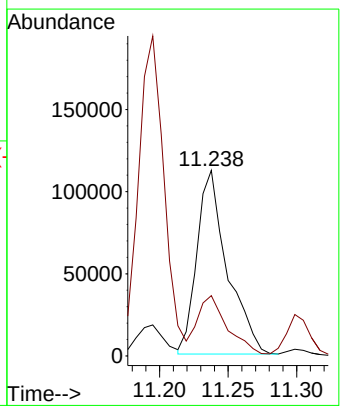


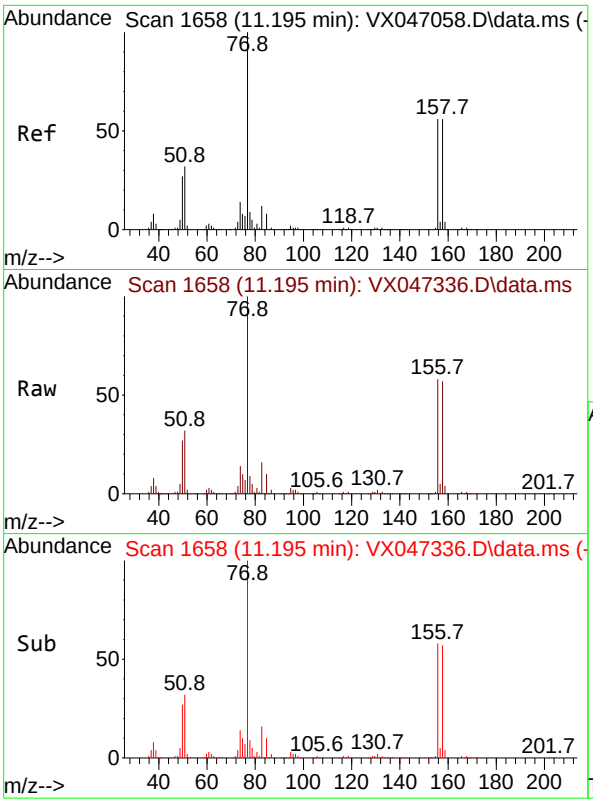


#76
1,2,3-Trichloropropane
Concen: 56.929 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 75 Resp: 172328

Ion	Ratio	Lower	Upper
75	100		
77	33.0	21.6	65.0



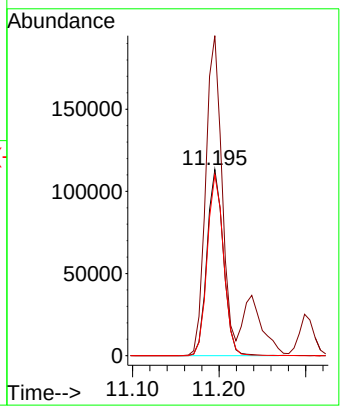


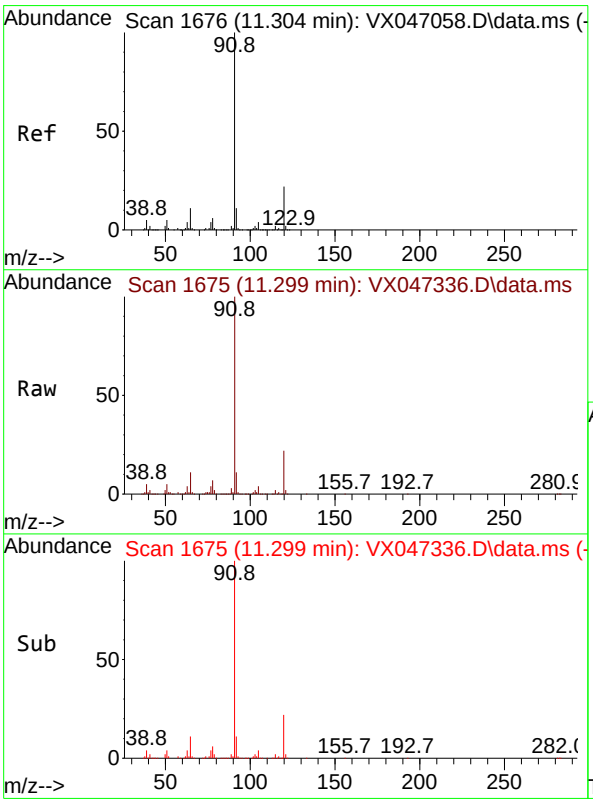
#77
Bromobenzene
Concen: 47.908 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:156 Resp: 148259

Ion	Ratio	Lower	Upper
156	100		
77	171.8	87.3	261.9
158	97.5	48.9	146.6

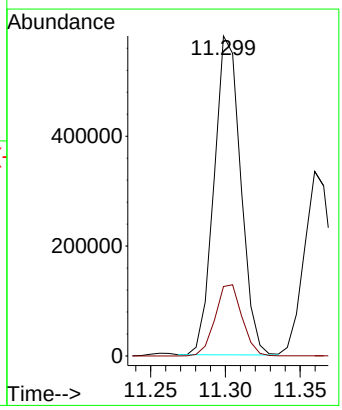


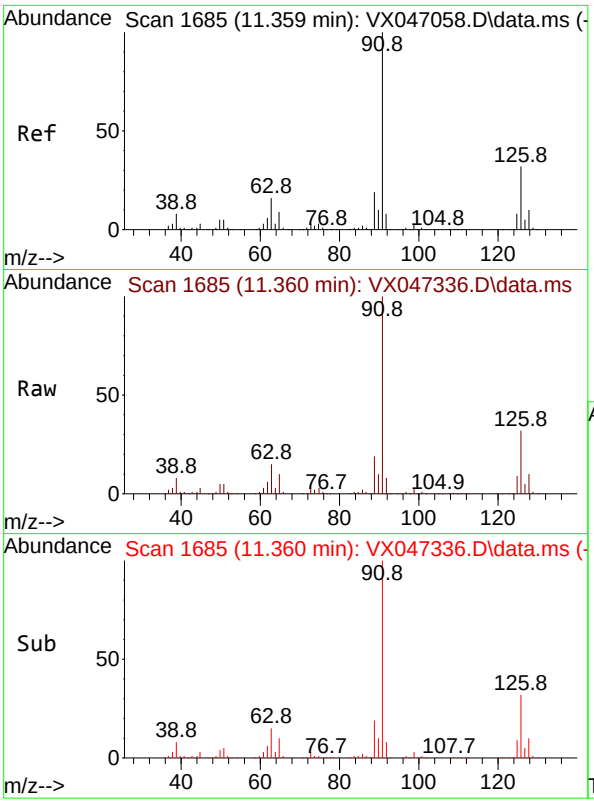


#78
n-propylbenzene
Concen: 46.679 ug/l
RT: 11.299 min Scan# 1675
Delta R.T. -0.006 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 91 Resp: 719706

Ion	Ratio	Lower	Upper
91	100		
120	22.7	11.0	33.0



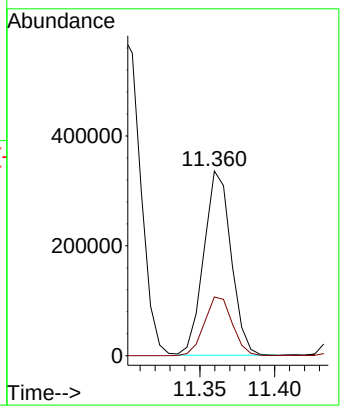


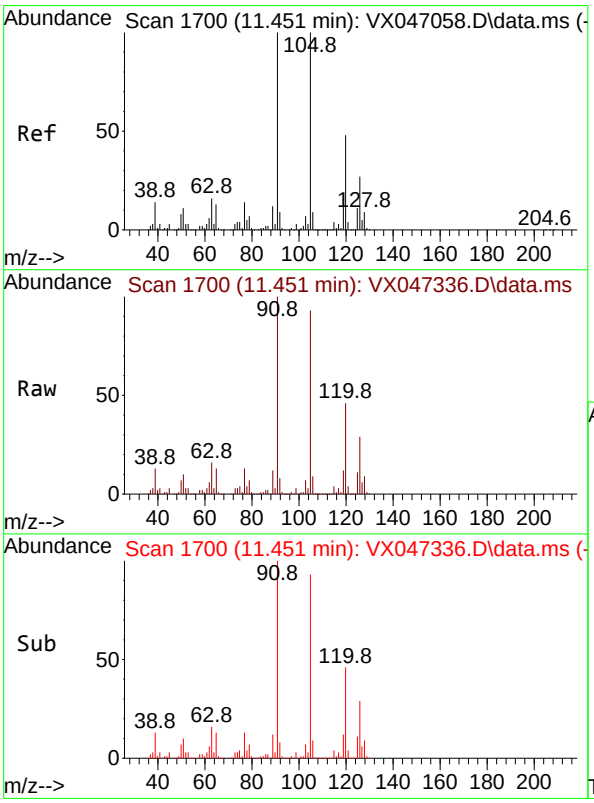
#79
2-Chlorotoluene
Concen: 46.196 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 425760

Ion	Ratio	Lower	Upper
91	100		
126	32.7	16.4	49.4

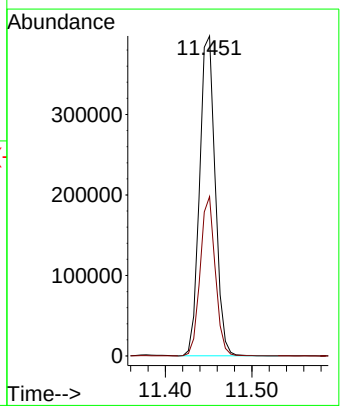


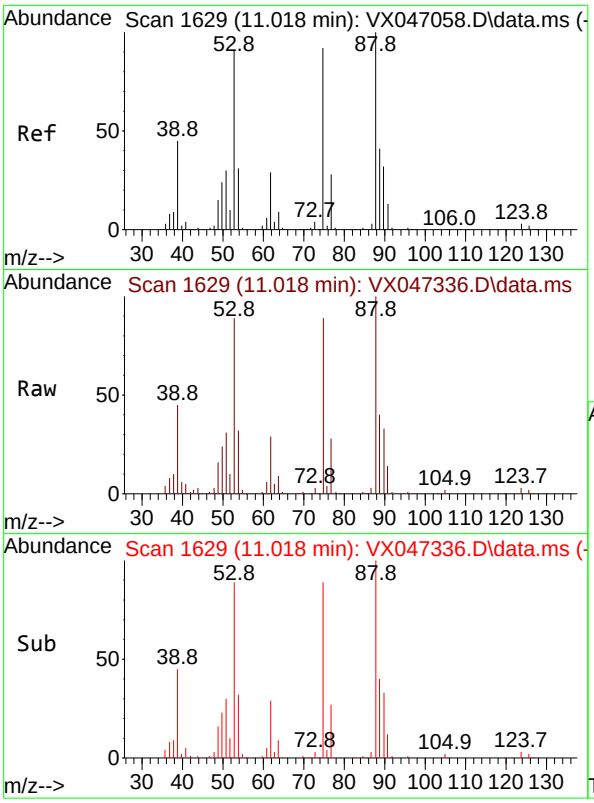


#80
1,3,5-Trimethylbenzene
Concen: 46.752 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:105 Resp: 498341

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.8	71.5



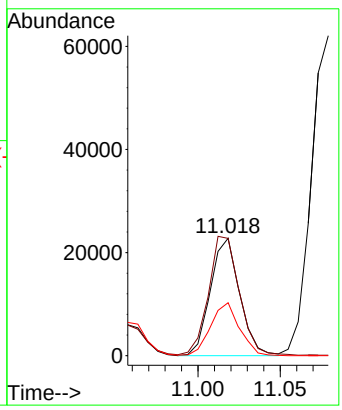


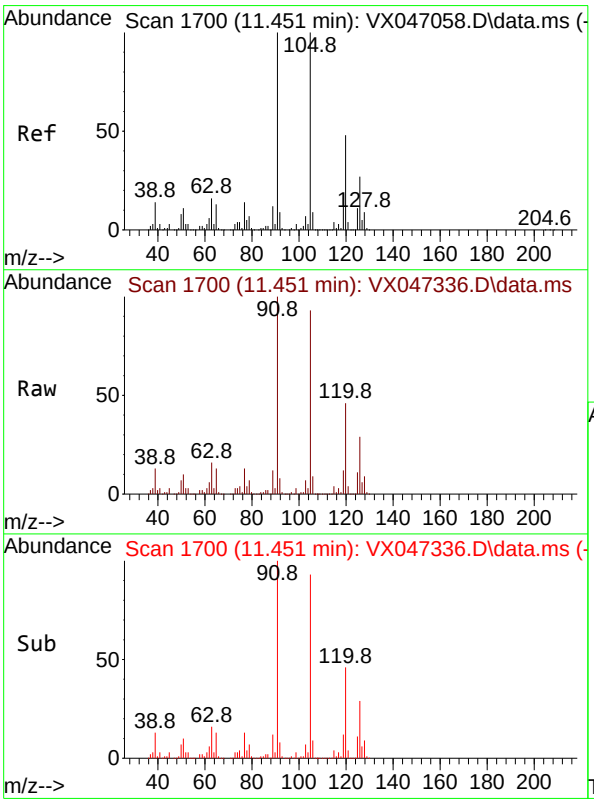
#81
trans-1,4-Dichloro-2-butene
Concen: 23.996 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 75 Resp: 28193

Ion	Ratio	Lower	Upper
75	100		
53	106.3	84.2	126.4
89	44.6	36.0	54.0

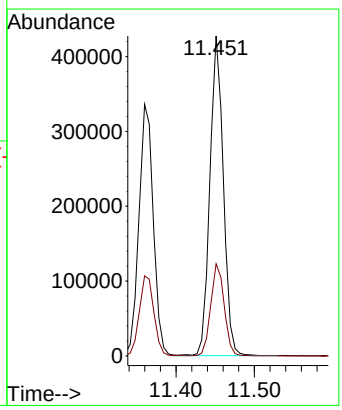


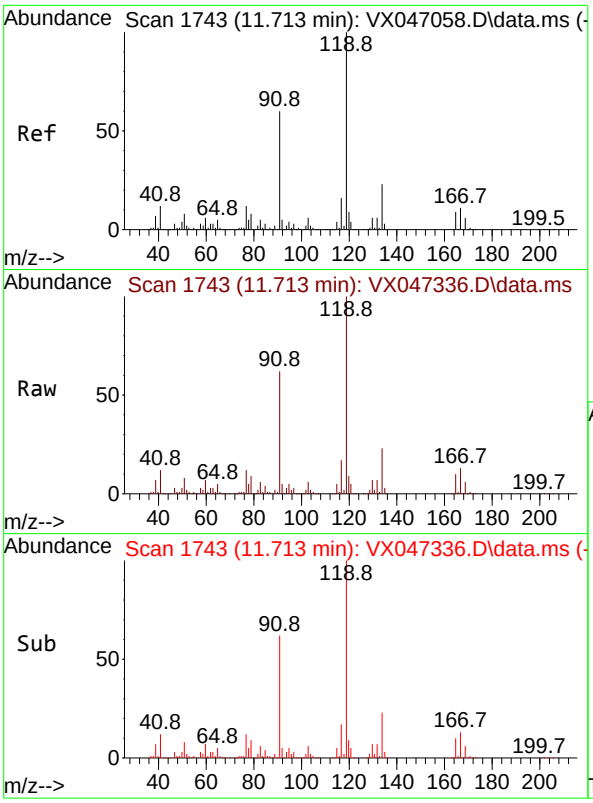


#82
4-Chlorotoluene
Concen: 47.214 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 91 Resp: 507914

Ion	Ratio	Lower	Upper
91	100		
126	28.8	14.1	42.3



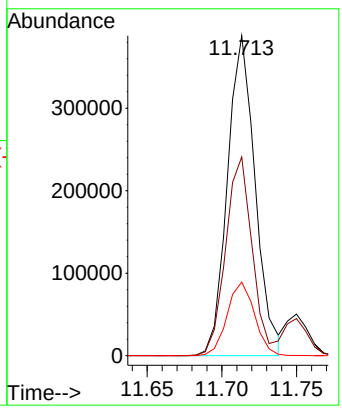


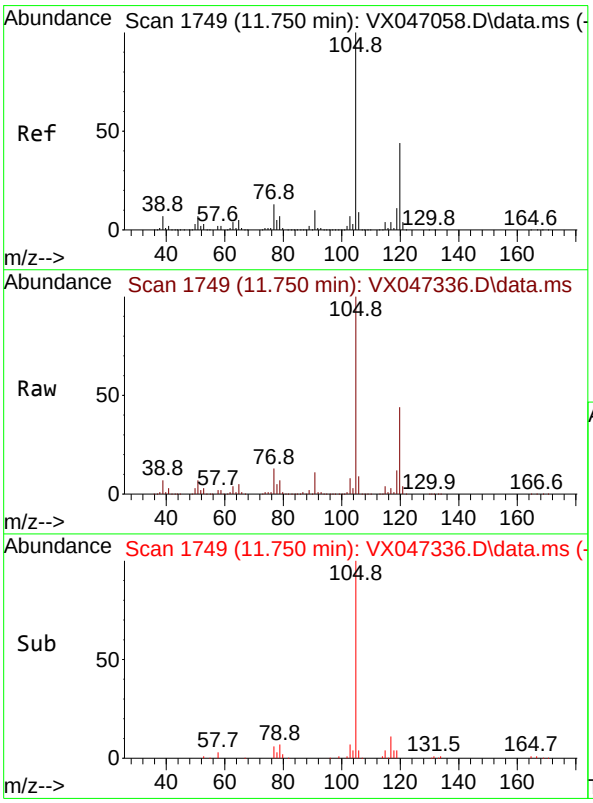
#83
tert-Butylbenzene
Concen: 46.810 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:119 Resp: 500803

Ion	Ratio	Lower	Upper
119	100		
91	58.9	29.6	88.8
134	22.7	11.4	34.1

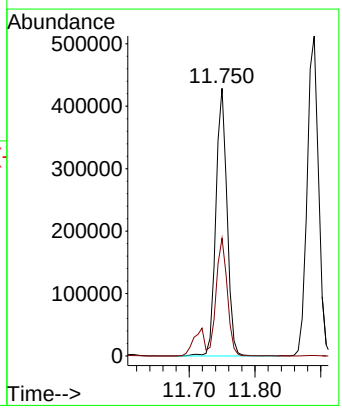


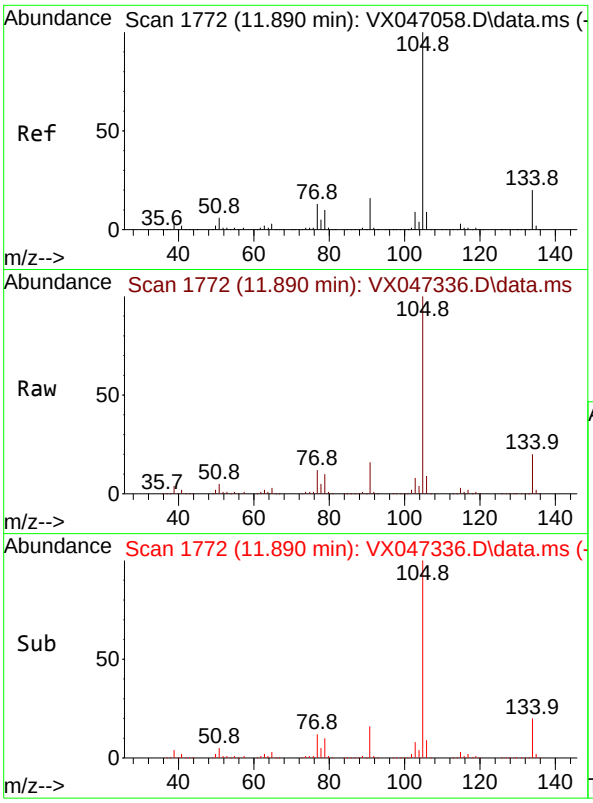


#84
1,2,4-Trimethylbenzene
Concen: 47.584 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:105 Resp: 505905

Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.0	66.0



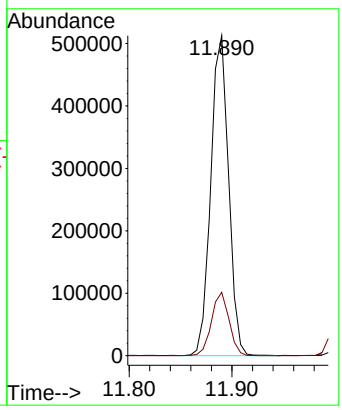


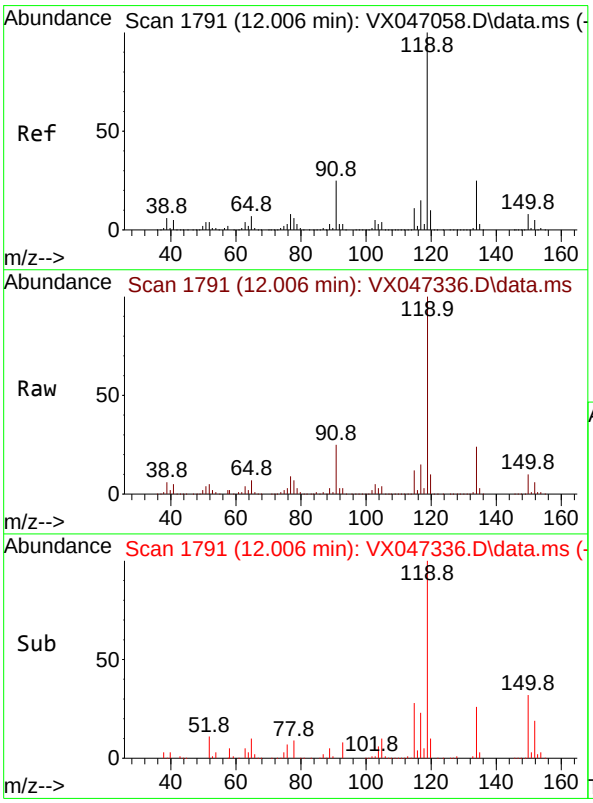
#85
sec-Butylbenzene
Concen: 46.111 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:105 Resp: 616388

Ion	Ratio	Lower	Upper
105	100		
134	19.6	9.9	29.7

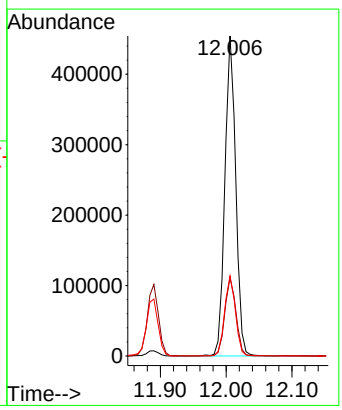


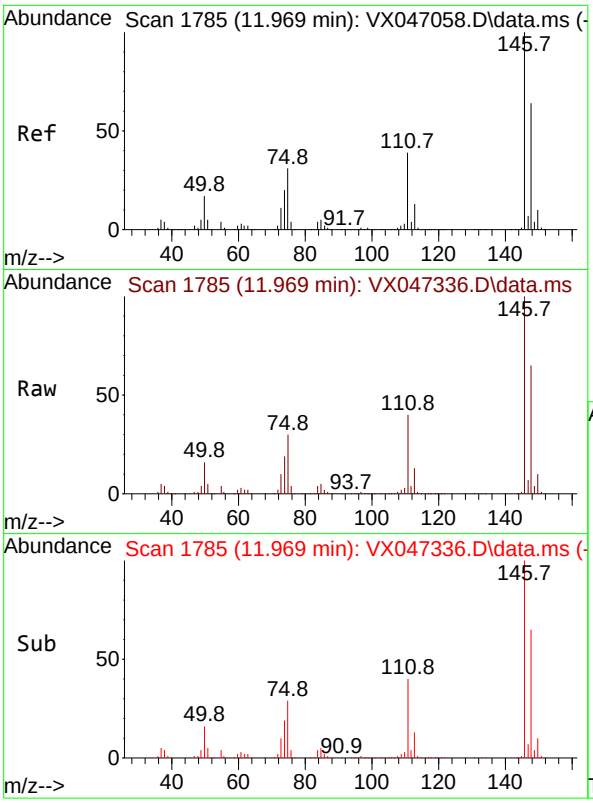


#86
p-Isopropyltoluene
Concen: 47.057 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:119 Resp: 521639

Ion	Ratio	Lower	Upper
119	100		
134	25.1	12.8	38.4
91	25.0	12.4	37.4



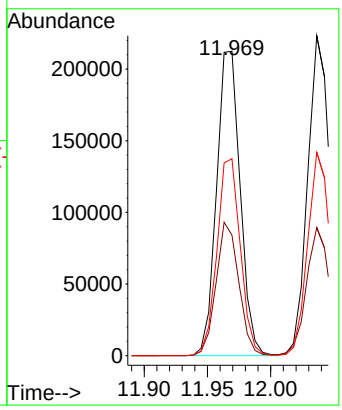


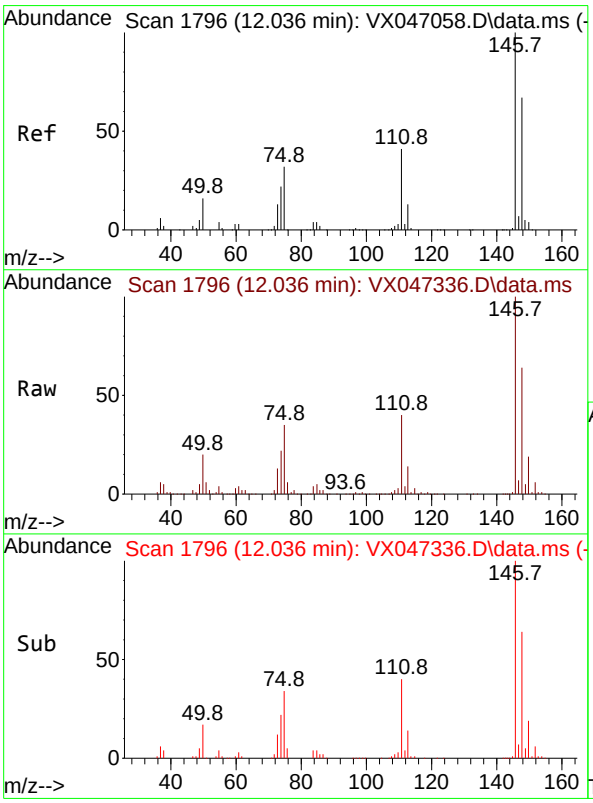
#87
1,3-Dichlorobenzene
Concen: 46.918 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 275882

Ion	Ratio	Lower	Upper
146	100		
111	42.1	21.0	63.0
148	64.0	32.0	96.0

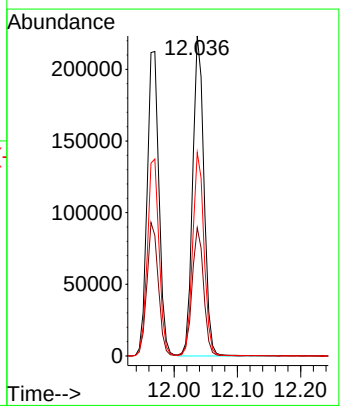


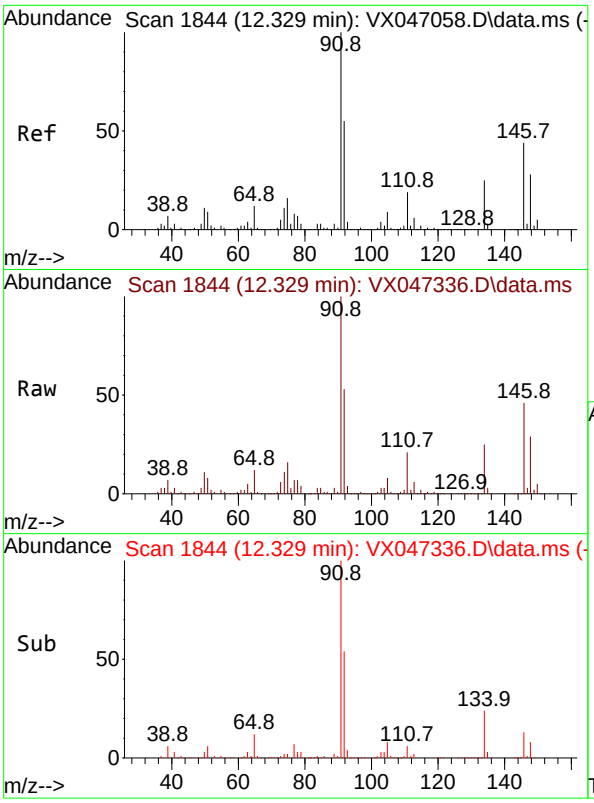


#88
1,4-Dichlorobenzene
Concen: 46.772 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:146 Resp: 278635

Ion	Ratio	Lower	Upper
146	100		
111	41.0	20.6	61.9
148	63.3	33.0	98.9



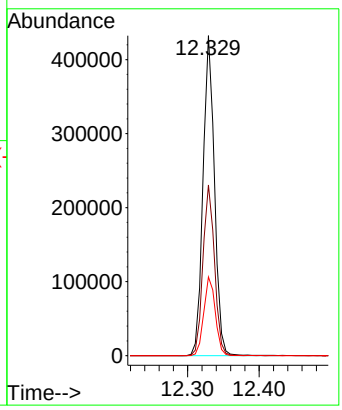


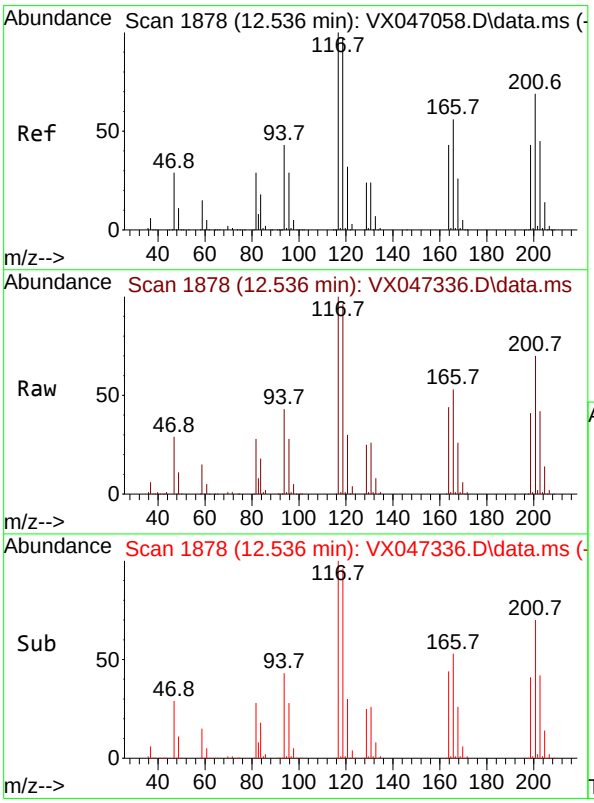
#89
n-Butylbenzene
Concen: 46.266 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion: 91 Resp: 480966

Ion	Ratio	Lower	Upper
91	100		
92	53.9	27.5	82.5
134	24.8	12.8	38.3

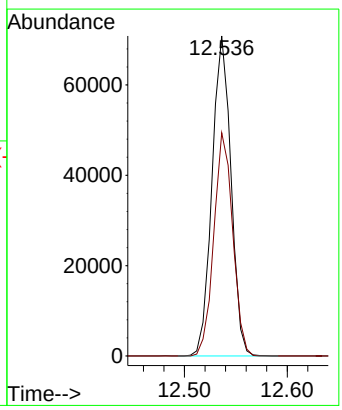


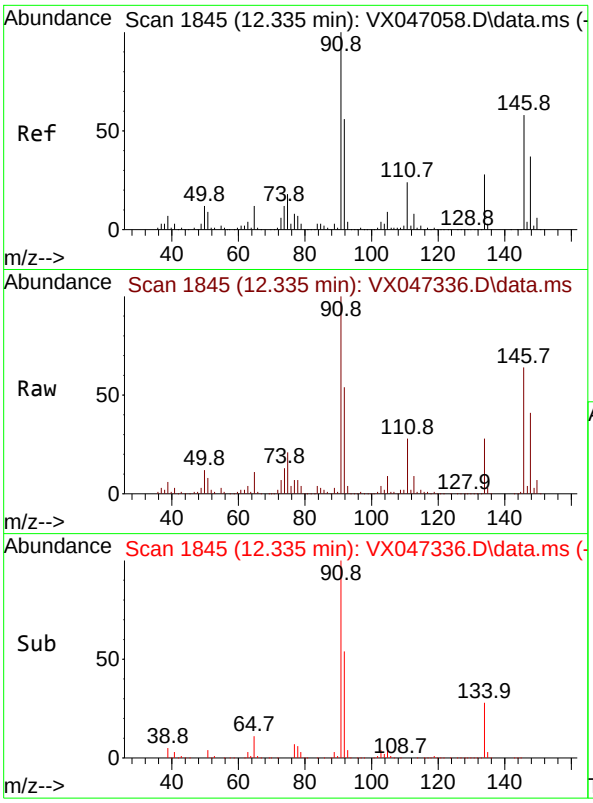


#90
Hexachloroethane
Concen: 45.634 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:117 Resp: 90498

Ion	Ratio	Lower	Upper
117	100		
201	69.6	34.8	104.5



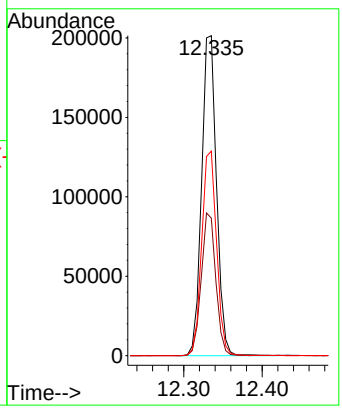


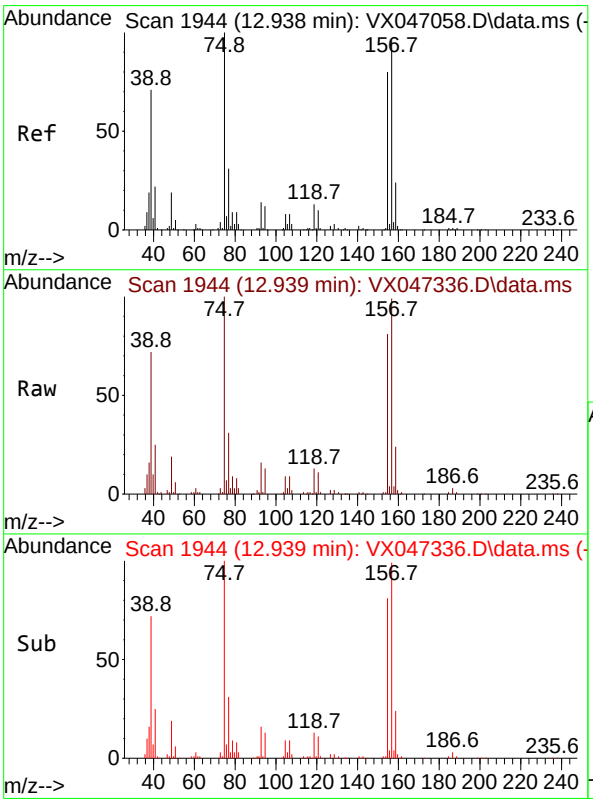
#91
1,2-Dichlorobenzene
Concen: 47.216 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:146 Resp: 265351

Ion	Ratio	Lower	Upper
146	100		
111	43.6	21.6	64.6
148	63.8	31.9	95.7

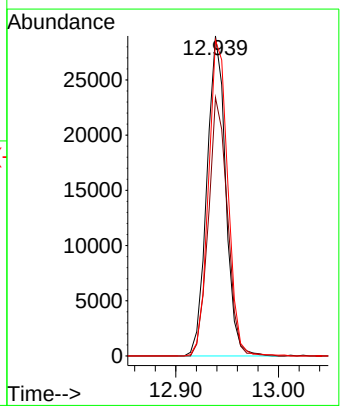


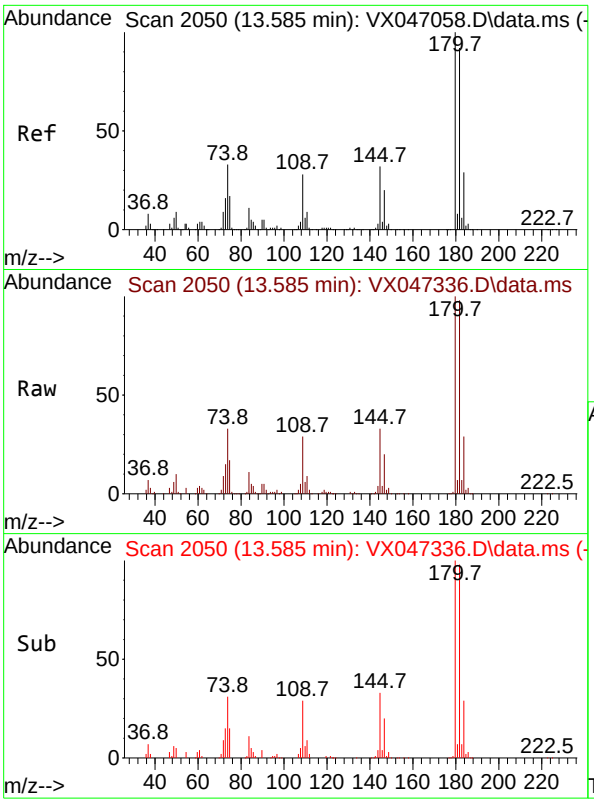


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.147 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion: 75 Resp: 36891

Ion	Ratio	Lower	Upper
75	100		
155	81.3	41.3	124.1
157	101.4	52.8	158.3



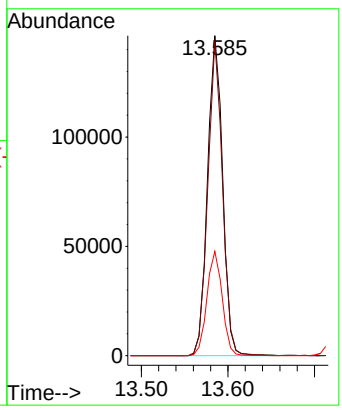


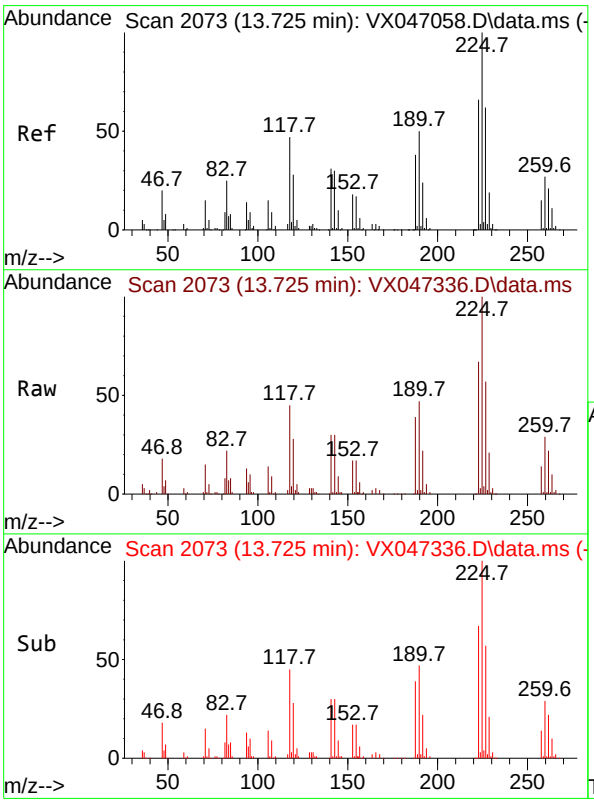
#93
1,2,4-Trichlorobenzene
Concen: 47.747 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:180 Resp: 177290

Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.8
145	33.0	16.4	49.1

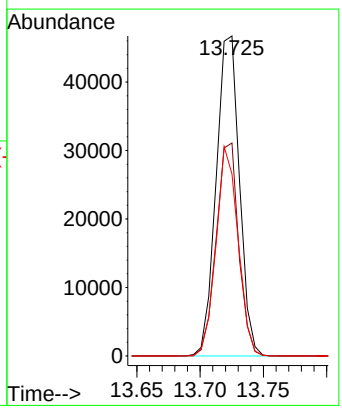


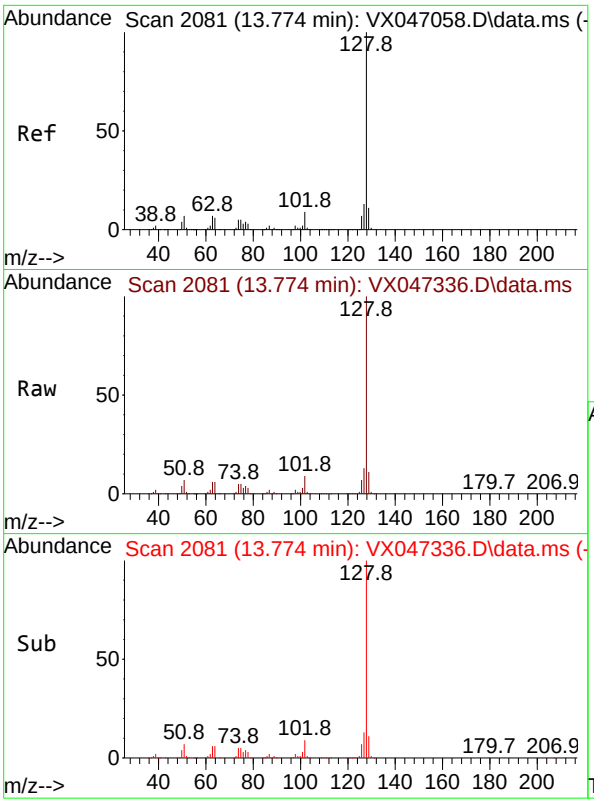


#94
Hexachlorobutadiene
Concen: 47.216 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:225 Resp: 59624

Ion	Ratio	Lower	Upper
225	100		
223	64.4	31.6	95.0
227	61.7	32.9	98.6



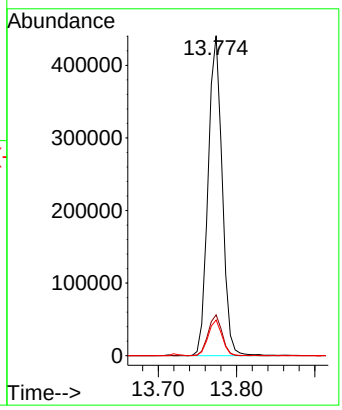


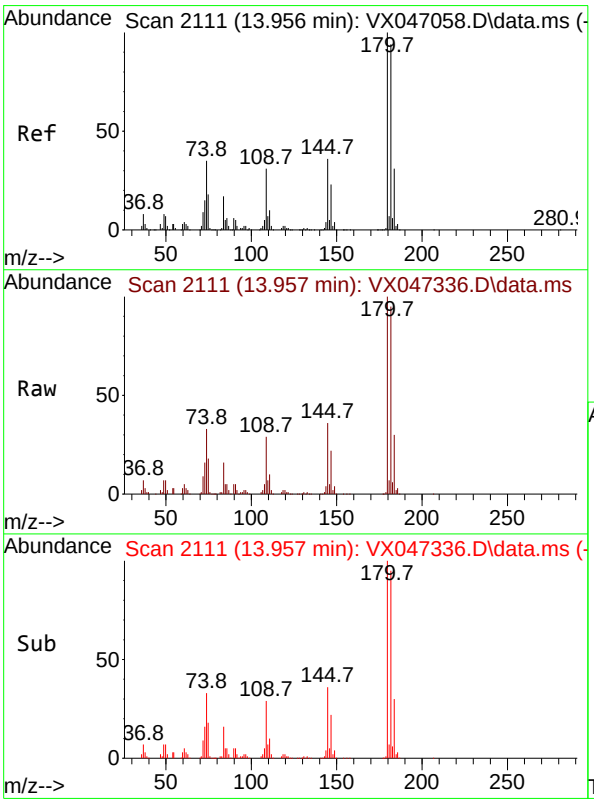
#95
Naphthalene
Concen: 50.471 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Tgt Ion:128 Resp: 549381

Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.1	15.1
129	11.0	8.6	13.0

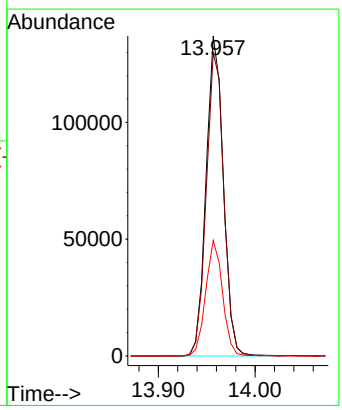




#96
1,2,3-Trichlorobenzene
Concen: 47.558 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047336.D
Acq: 14 Aug 2025 10:37

Tgt Ion:180 Resp: 170122

Ion	Ratio	Lower	Upper
180	100		
182	96.3	46.9	140.6
145	35.4	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047342.D
Acq On : 14 Aug 2025 16:15
Operator : JC/MD
Sample : VX0814WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Quant Time: Aug 18 01:29:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	220703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	392445	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	359167	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	182232	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155411	56.528	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 113.060%			
35) Dibromofluoromethane	5.397	113	139473	57.560	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 115.120%			
50) Toluene-d8	8.647	98	376237	47.946	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.900%			
62) 4-Bromofluorobenzene	11.079	95	189921	56.162	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	50487	17.222	ug/l	94
3) Chloromethane	1.313	50	47488	16.376	ug/l	96
4) Vinyl Chloride	1.392	62	54561	17.504	ug/l	93
5) Bromomethane	1.630	94	26489	15.644	ug/l	88
6) Chloroethane	1.703	64	34546	16.874	ug/l	97
7) Trichlorofluoromethane	1.904	101	79728	17.153	ug/l	98
8) Diethyl Ether	2.142	74	32382	19.759	ug/l	95
9) 1,1,2-Trichlorotrifluo...	2.343	101	48062	17.163	ug/l	99
10) Methyl Iodide	2.471	142	75979	26.622	ug/l	99
11) Tert butyl alcohol	2.959	59	31536	91.608	ug/l	100
12) 1,1-Dichloroethene	2.337	96	48929	17.641	ug/l	98
13) Acrolein	2.245	56	68415	115.573	ug/l	99
14) Allyl chloride	2.678	41	88713	17.694	ug/l	98
15) Acrylonitrile	3.081	53	141609	108.000	ug/l	98
16) Acetone	2.392	43	135173	122.733	ug/l	99
17) Carbon Disulfide	2.526	76	130111	16.215	ug/l	99
18) Methyl Acetate	2.715	43	70167	23.974	ug/l	96
19) Methyl tert-butyl Ether	3.123	73	174379	20.658	ug/l	96
20) Methylene Chloride	2.800	84	58560	19.327	ug/l	98
21) trans-1,2-Dichloroethene	3.105	96	54348	19.148	ug/l	99
22) Diisopropyl ether	3.770	45	194124	20.139	ug/l	99
23) Vinyl Acetate	3.733	43	793796	102.672	ug/l	100
24) 1,1-Dichloroethane	3.623	63	102478	19.118	ug/l	99
25) 2-Butanone	4.568	43	176337	109.958	ug/l	95
26) 2,2-Dichloropropane	4.495	77	78981	19.035	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	65665	19.537	ug/l	99
28) Bromochloromethane	4.910	49	52005	21.089	ug/l	99
29) Tetrahydrofuran	5.025	42	105256	101.725	ug/l	96
30) Chloroform	5.105	83	108844	19.948	ug/l	97
31) Cyclohexane	5.483	56	82946	16.139	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	87698	18.505	ug/l	99
36) 1,1-Dichloropropene	5.696	75	67873	16.433	ug/l	98
37) Ethyl Acetate	4.727	43	71799	18.865	ug/l	100
38) Carbon Tetrachloride	5.684	117	74651	16.934	ug/l	95
39) Methylcyclohexane	7.385	83	76855	14.903	ug/l	97
40) Benzene	6.043	78	221348	18.518	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047342.D
Acq On : 14 Aug 2025 16:15
Operator : JC/MD
Sample : VX0814WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Quant Time: Aug 18 01:29:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	37500	18.844	ug/l	#	94
42) 1,2-Dichloroethane	6.092	62	83140	19.745	ug/l		99
43) Isopropyl Acetate	6.348	43	121628	20.499	ug/l		99
44) Trichloroethene	7.129	130	54121	17.657	ug/l		98
45) 1,2-Dichloropropane	7.433	63	55635	18.583	ug/l		99
46) Dibromomethane	7.586	93	41484	19.760	ug/l		97
47) Bromodichloromethane	7.824	83	85219	19.071	ug/l		93
48) Methyl methacrylate	7.696	41	62741	19.411	ug/l		99
49) 1,4-Dioxane	7.683	88	12952	352.310	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	377908	107.156	ug/l		99
52) Toluene	8.720	92	139529	18.984	ug/l		98
53) t-1,3-Dichloropropene	8.982	75	76457	18.119	ug/l		95
54) cis-1,3-Dichloropropene	8.366	75	84351	18.264	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	56007	20.319	ug/l		99
56) Ethyl methacrylate	9.116	69	82151	20.132	ug/l		98
57) 1,3-Dichloropropane	9.305	76	97772	20.410	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	178926	78.797	ug/l		99
59) 2-Hexanone	9.433	43	269134	115.507	ug/l		100
60) Dibromochloromethane	9.518	129	65177	20.162	ug/l		99
61) 1,2-Dibromoethane	9.610	107	56986	19.772	ug/l		98
64) Tetrachloroethene	9.275	164	43853	16.937	ug/l		96
65) Chlorobenzene	10.079	112	155100	18.433	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	52547	18.549	ug/l		99
67) Ethyl Benzene	10.195	91	263929	17.940	ug/l		98
68) m/p-Xylenes	10.299	106	200119	36.350	ug/l		99
69) o-Xylene	10.640	106	95502	18.235	ug/l		98
70) Styrene	10.652	104	169951	18.924	ug/l		99
71) Bromoform	10.799	173	41762	19.407	ug/l	#	100
73) Isopropylbenzene	10.963	105	252611	17.571	ug/l		100
74) N-amyl acetate	10.841	43	106383	18.339	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	84148	20.490	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	74298	22.027	ug/l		86
77) Bromobenzene	11.195	156	65650	19.038	ug/l		95
78) n-propylbenzene	11.305	91	300287	17.479	ug/l		98
79) 2-Chlorotoluene	11.366	91	182362	17.757	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	211824	17.834	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	9359	7.149	ug/l		88
82) 4-Chlorotoluene	11.451	91	217124	18.113	ug/l		98
83) tert-Butylbenzene	11.713	119	208282	17.471	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	212939	17.974	ug/l		99
85) sec-Butylbenzene	11.890	105	256279	17.205	ug/l		100
86) p-Isopropyltoluene	12.006	119	217017	17.569	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	121700	18.574	ug/l		99
88) 1,4-Dichlorobenzene	12.036	146	123336	18.580	ug/l		99
89) n-Butylbenzene	12.329	91	197544	17.053	ug/l		99
90) Hexachloroethane	12.536	117	36692	16.604	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	116591	18.618	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	16081	20.400	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	74955	18.116	ug/l		97
94) Hexachlorobutadiene	13.719	225	24213	17.208	ug/l		99
95) Naphthalene	13.774	128	235518	19.417	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	72465	18.180	ug/l		100

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047342.D
Acq On : 14 Aug 2025 16:15
Operator : JC/MD
Sample : VX0814WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Quant Time: Aug 18 01:29:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

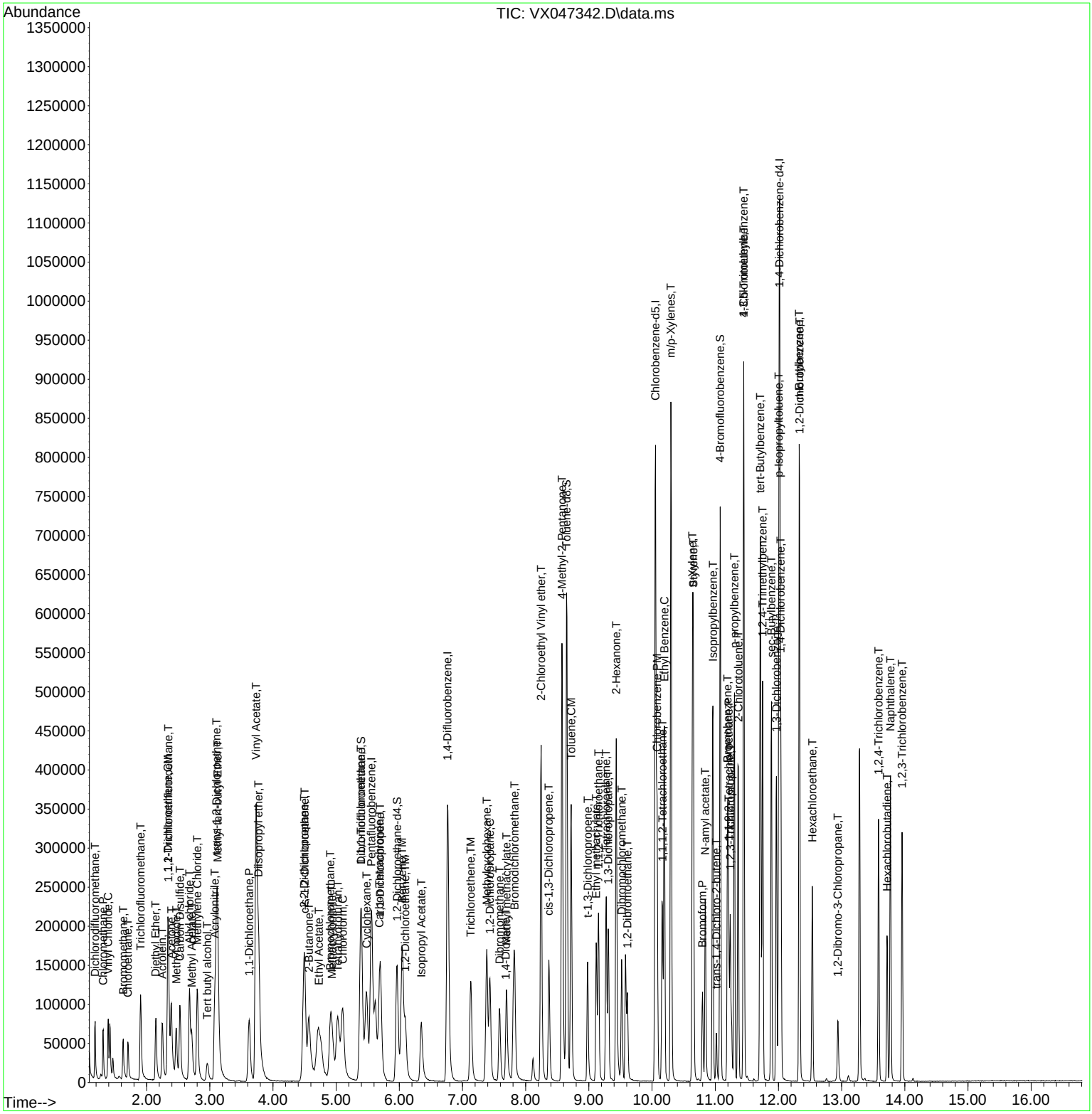
(#) = qualifier out of range (m) = manual integration (+) = signals summed

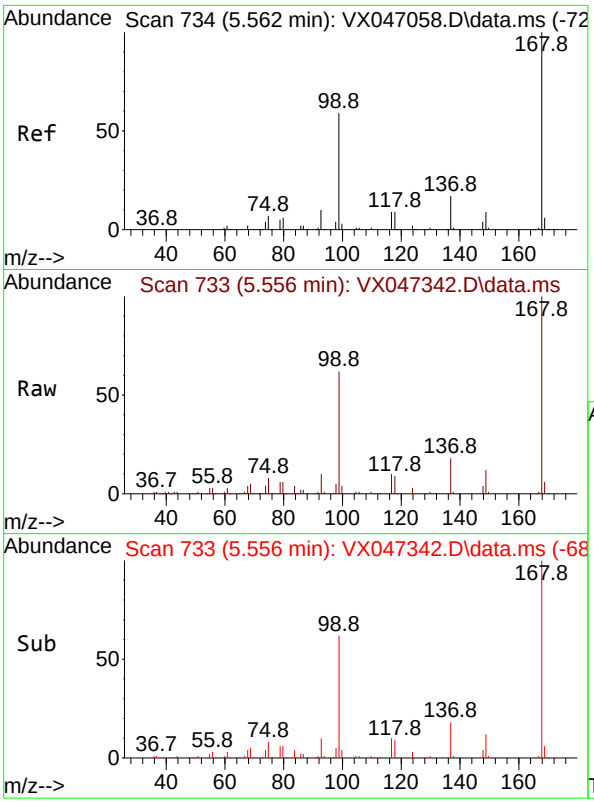
Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047342.D
Acq On : 14 Aug 2025 16:15
Operator : JC/MD
Sample : VX0814WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Quant Time: Aug 18 01:29:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



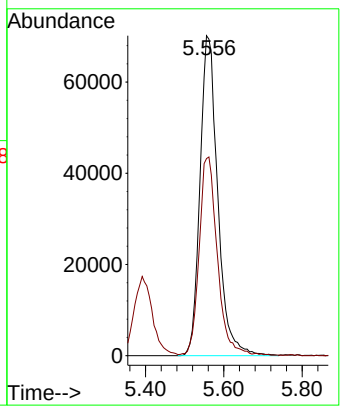


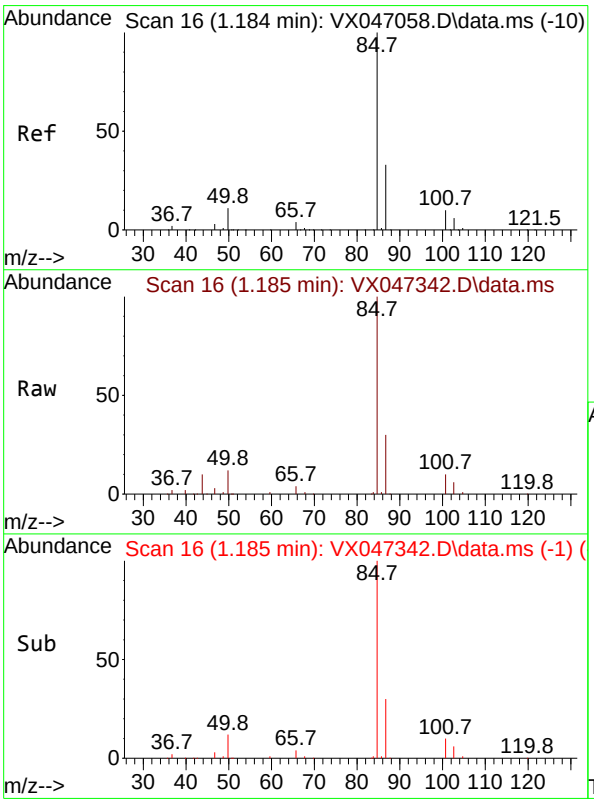
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:168 Resp: 220703

Ion	Ratio	Lower	Upper
168	100		
99	61.4	48.0	72.0

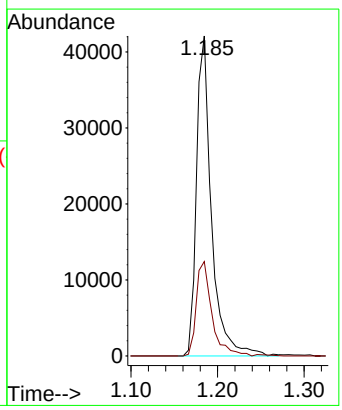


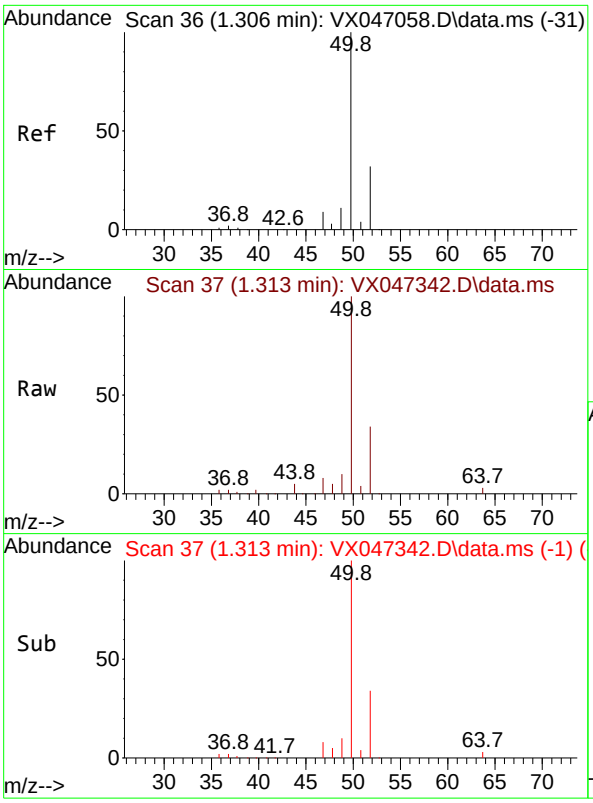


#2
Dichlorodifluoromethane
Concen: 17.222 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 85 Resp: 50487

Ion	Ratio	Lower	Upper
85	100		
87	29.9	16.6	49.8



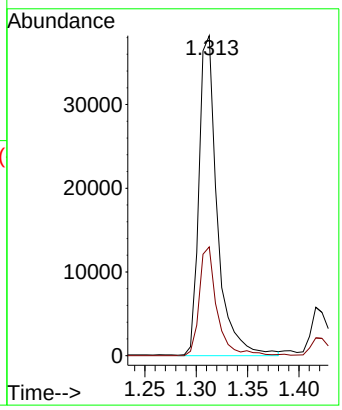


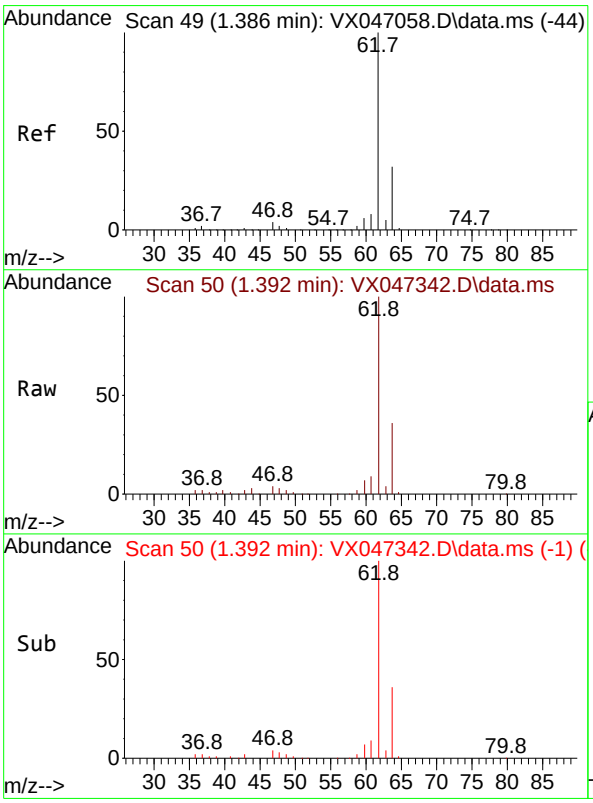
#3
Chloromethane
Concen: 16.376 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 50 Resp: 47488

Ion	Ratio	Lower	Upper
50	100		
52	34.1	25.4	38.2

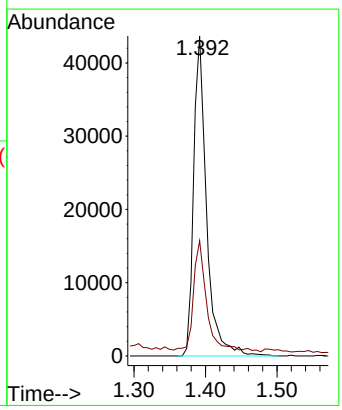


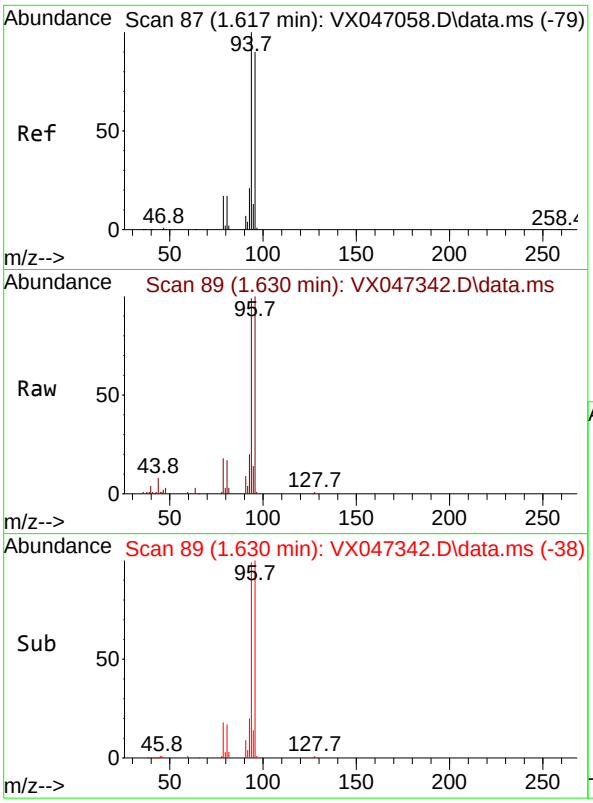


#4
Vinyl Chloride
Concen: 17.504 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 62 Resp: 54561

Ion	Ratio	Lower	Upper
62	100		
64	35.2	25.2	37.8



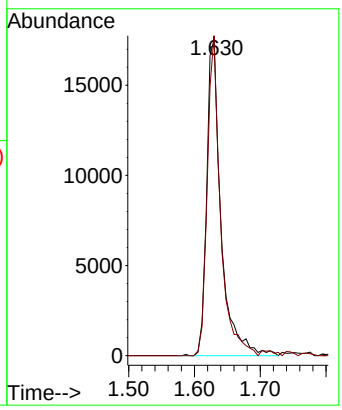


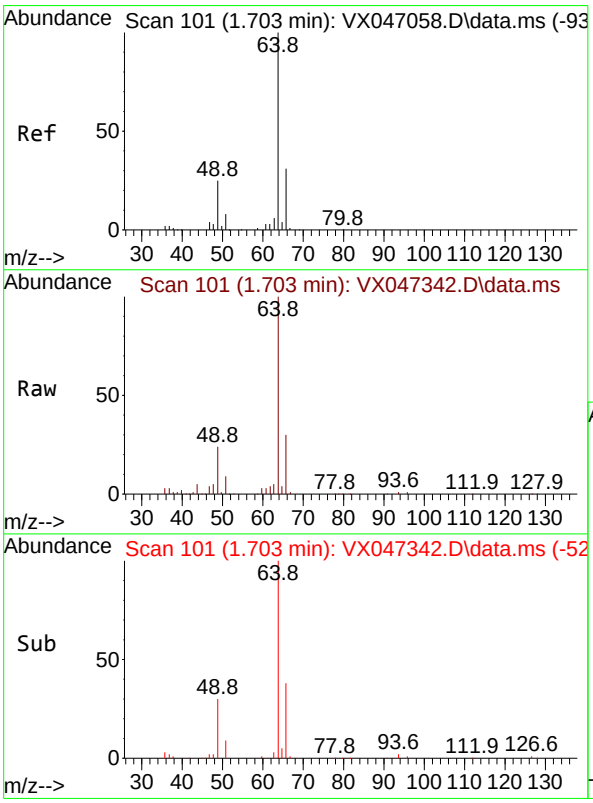
#5
Bromomethane
Concen: 15.644 ug/l
RT: 1.630 min Scan# 8
Delta R.T. 0.012 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 94 Resp: 26489

Ion	Ratio	Lower	Upper
94	100		
96	101.9	72.3	108.5

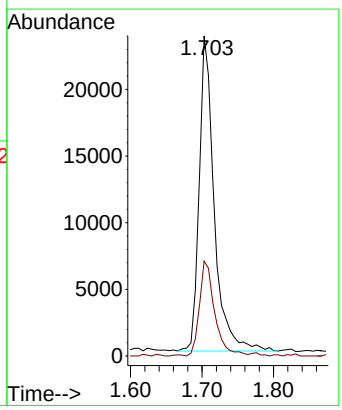


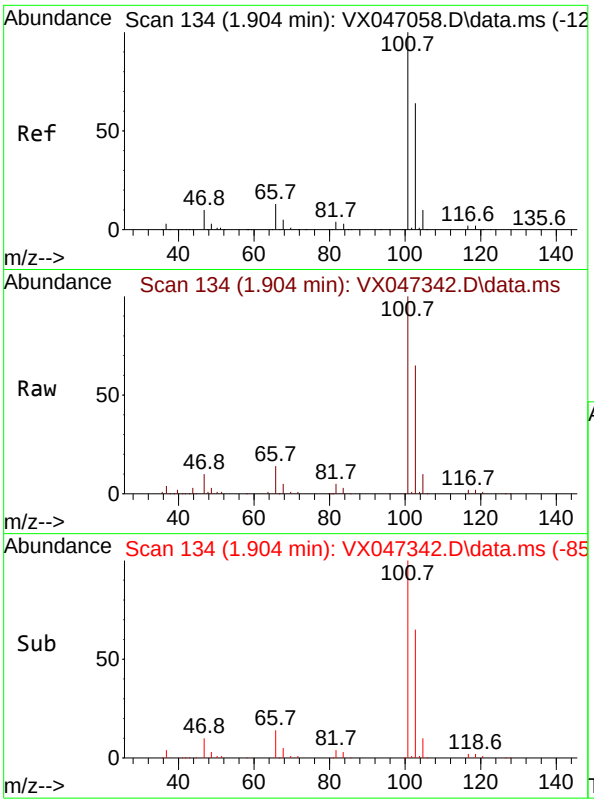


#6
Chloroethane
Concen: 16.874 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 64 Resp: 34546

Ion	Ratio	Lower	Upper
64	100		
66	29.8	25.0	37.6



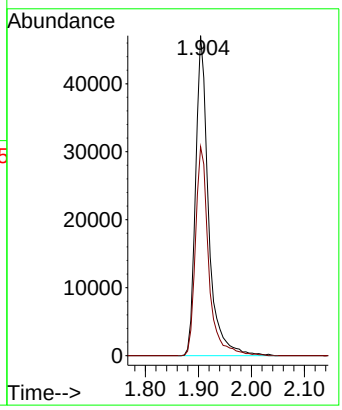


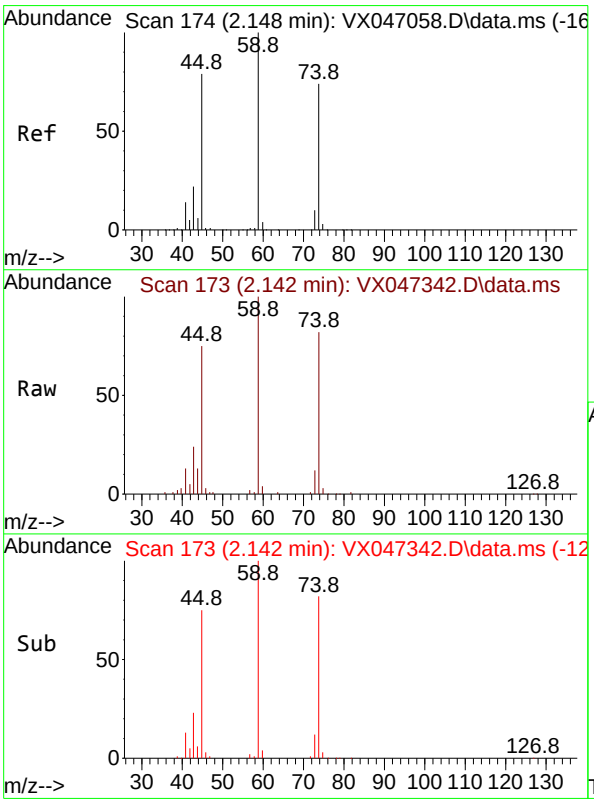
#7
Trichlorofluoromethane
Concen: 17.153 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:101 Resp: 79728

Ion	Ratio	Lower	Upper
101	100		
103	65.3	50.9	76.3

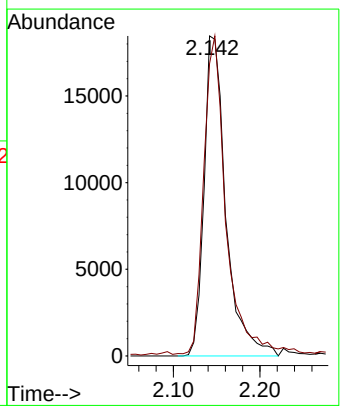


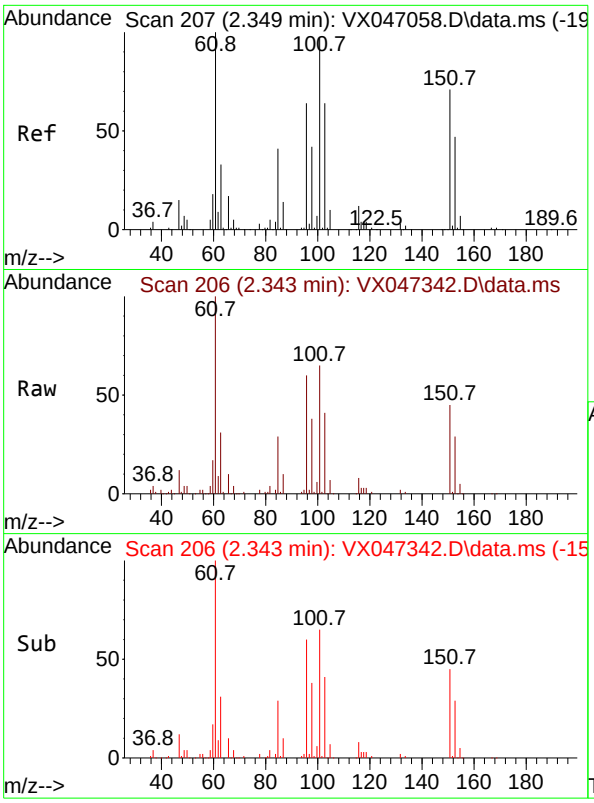


#8
Diethyl Ether
Concen: 19.759 ug/l
RT: 2.142 min Scan# 173
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 74 Resp: 32382

Ion	Ratio	Lower	Upper
74	100		
45	100.8	53.0	159.0



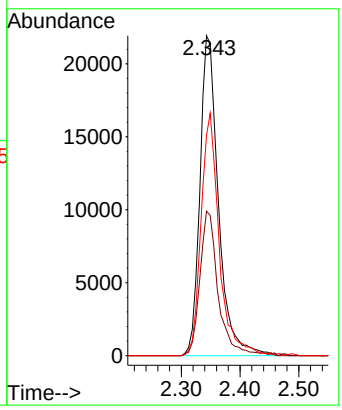


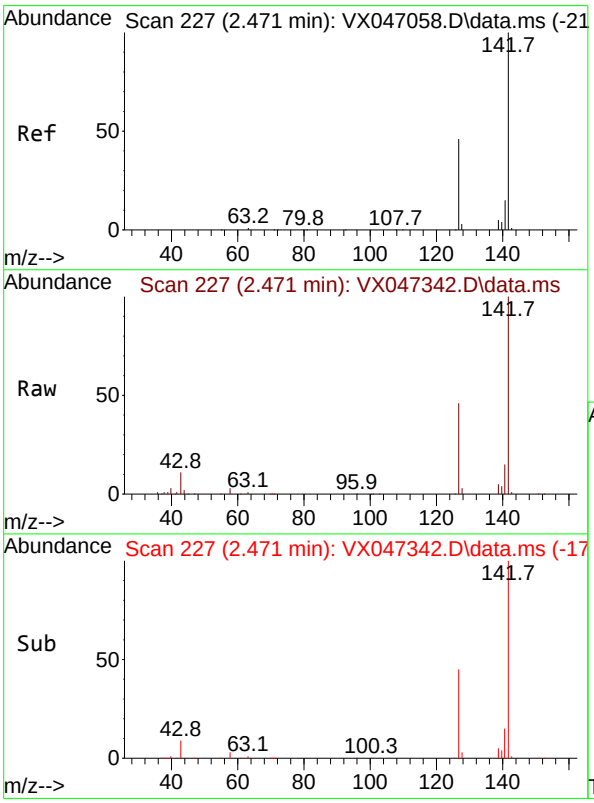
#9
1,1,2-Trichlorotrifluoroethane
Concen: 17.163 ug/l
RT: 2.343 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:101 Resp: 48062

Ion	Ratio	Lower	Upper
101	100		
85	44.7	35.4	53.0
151	75.0	59.2	88.8

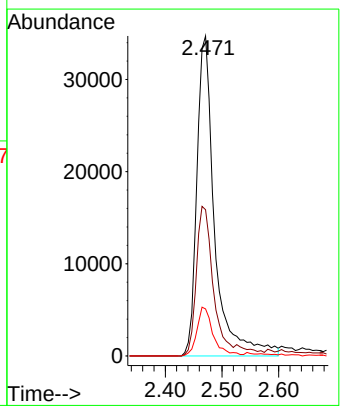


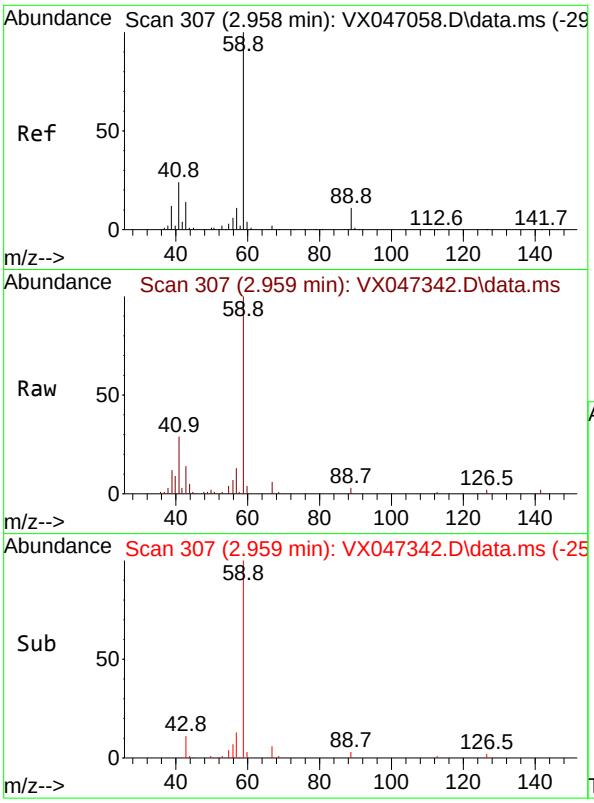


#10
Methyl Iodide
Concen: 26.622 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:142 Resp: 75979

Ion	Ratio	Lower	Upper
142	100		
127	46.8	36.6	54.8
141	13.8	10.9	16.3



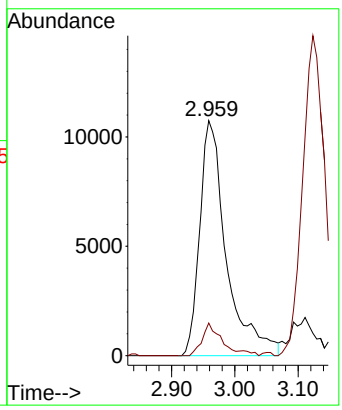


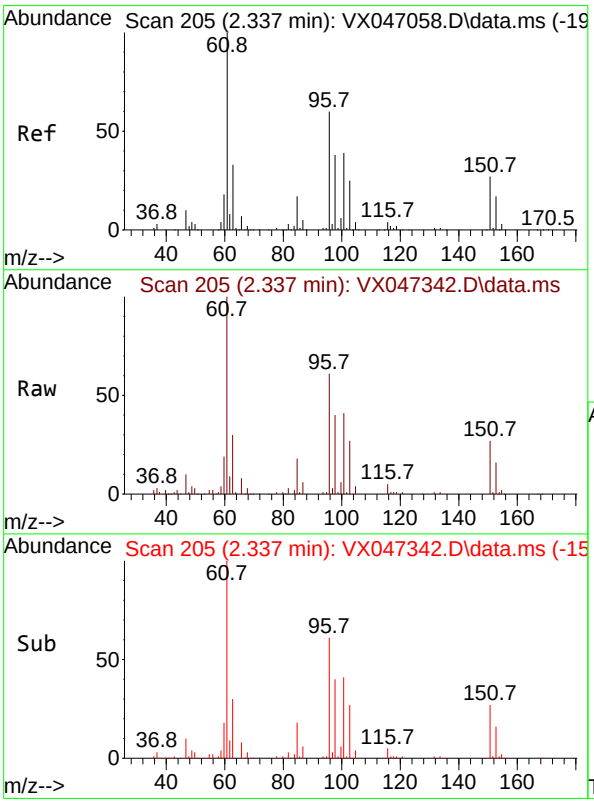
#11
Tert butyl alcohol
Concen: 91.608 ug/l
RT: 2.959 min Scan# 3
Delta R.T. 0.001 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 59 Resp: 31536

Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.5	12.7

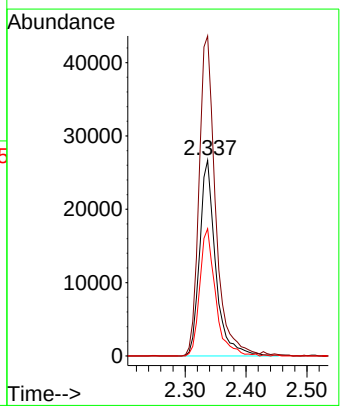


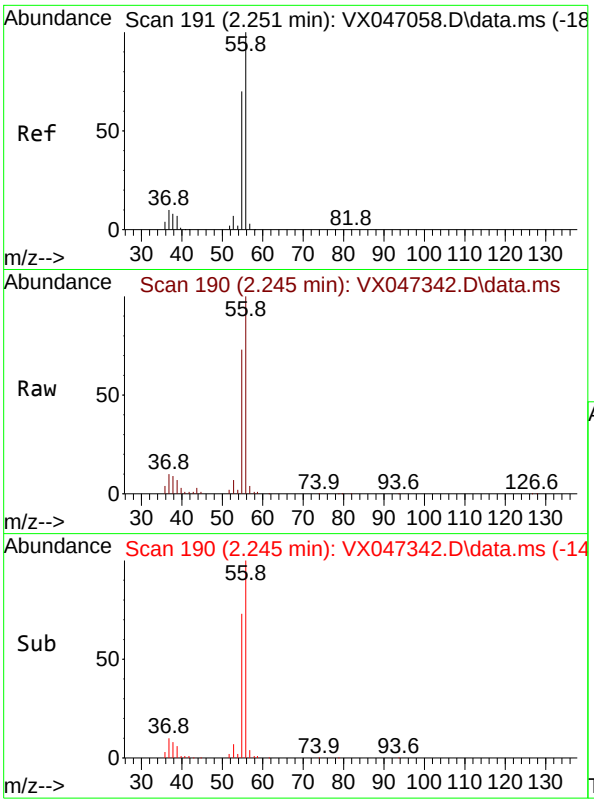


#12
1,1-Dichloroethene
Concen: 17.641 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 96 Resp: 48929

Ion	Ratio	Lower	Upper
96	100		
61	163.6	132.6	198.8
98	65.0	50.2	75.4



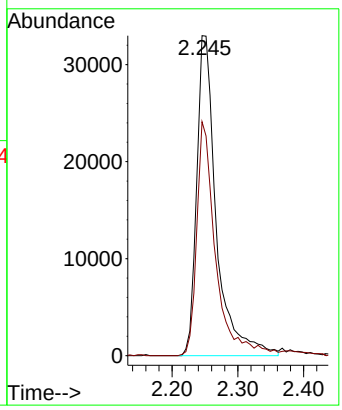


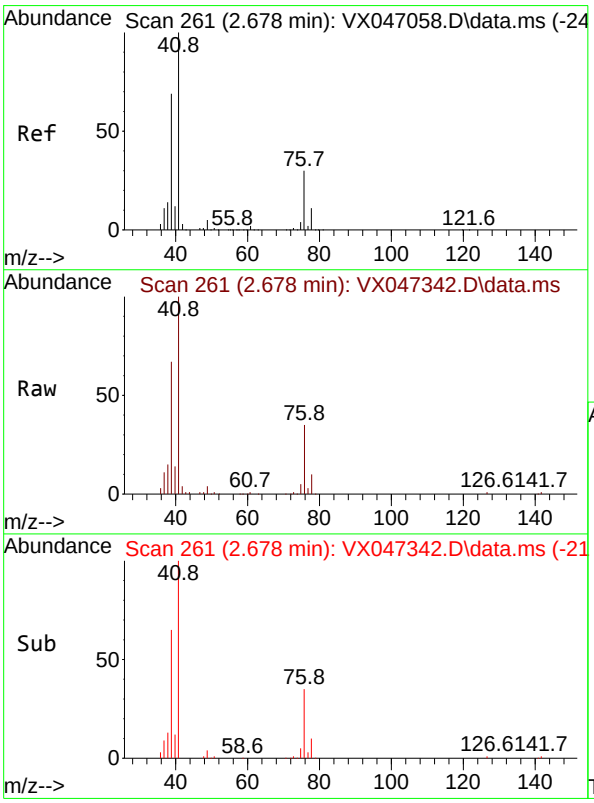
#13
Acrolein
Concen: 115.573 ug/l
RT: 2.245 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 56 Resp: 68415

Ion	Ratio	Lower	Upper
56	100		
55	70.3	55.7	83.5

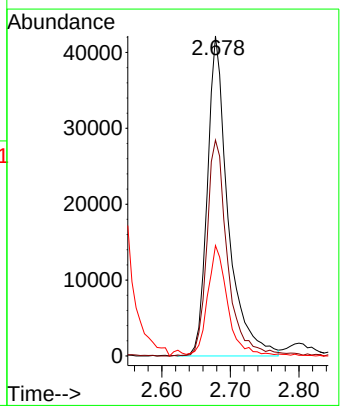


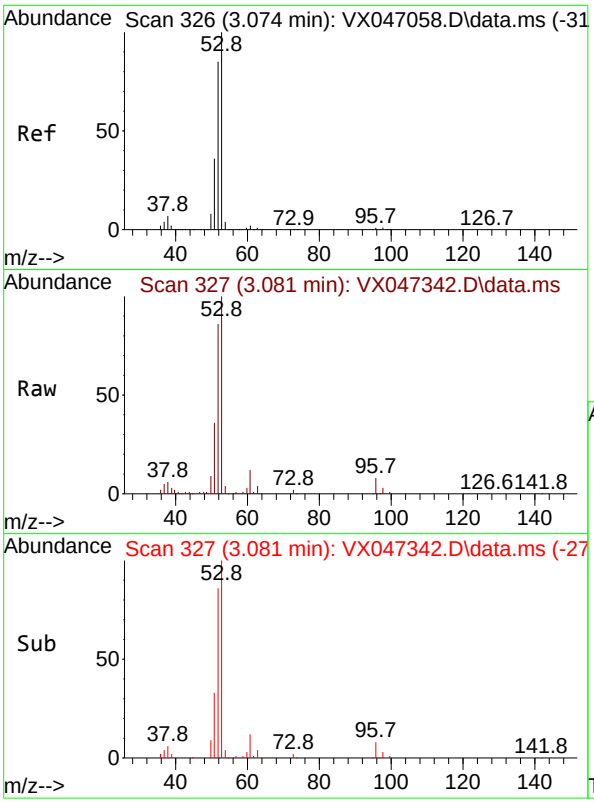


#14
Allyl chloride
Concen: 17.694 ug/l
RT: 2.678 min Scan# 261
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 41 Resp: 88713

Ion	Ratio	Lower	Upper
41	100		
39	67.0	52.6	78.8
76	33.8	25.7	38.5



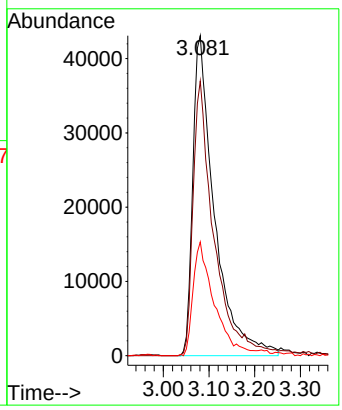


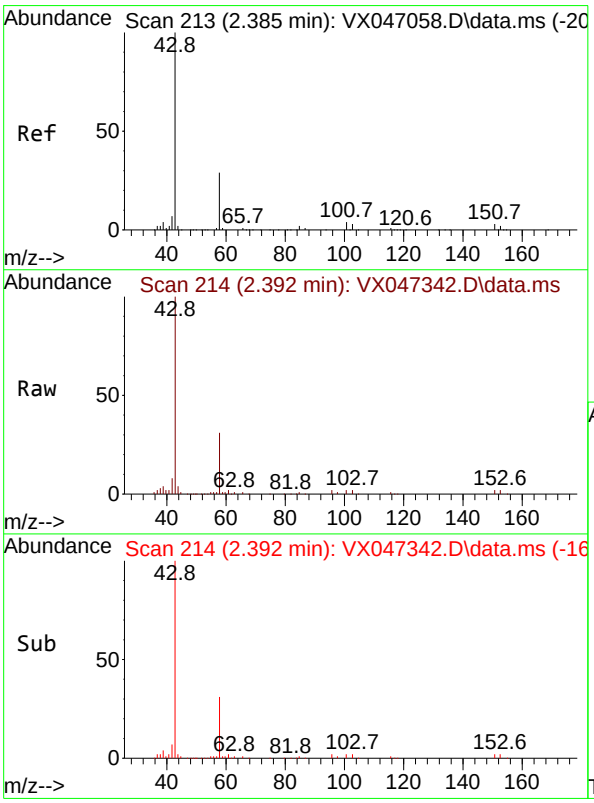
#15
Acrylonitrile
Concen: 108.000 ug/l
RT: 3.081 min Scan# 3
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 53 Resp: 141609

Ion	Ratio	Lower	Upper
53	100		
52	83.5	65.7	98.5
51	34.9	28.8	43.2

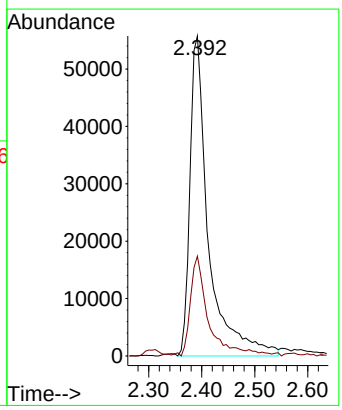


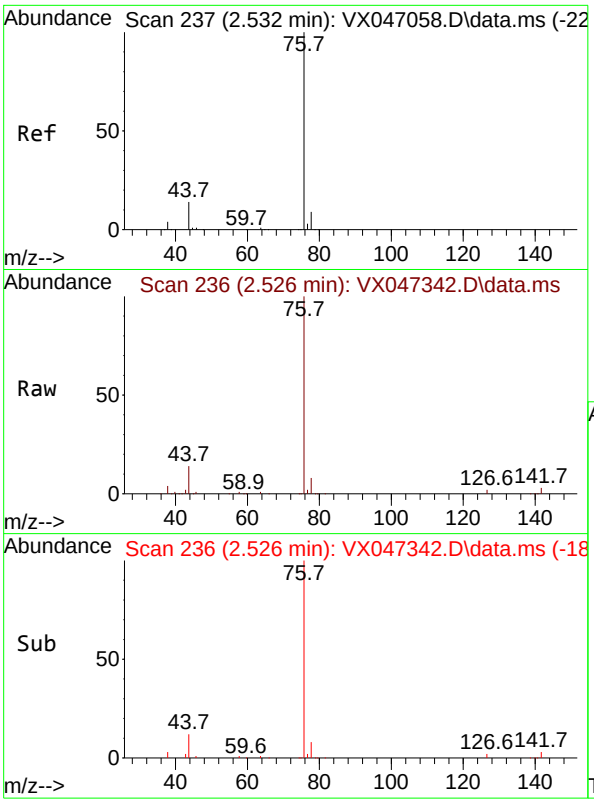


#16
Acetone
Concen: 122.733 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 43 Resp: 135173

Ion	Ratio	Lower	Upper
43	100		
58	30.6	24.0	36.0



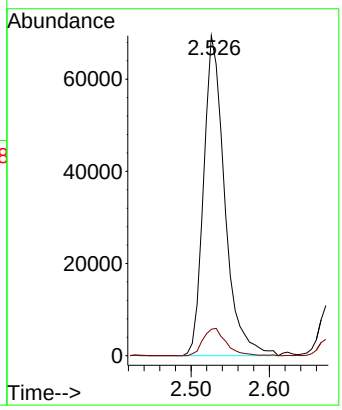


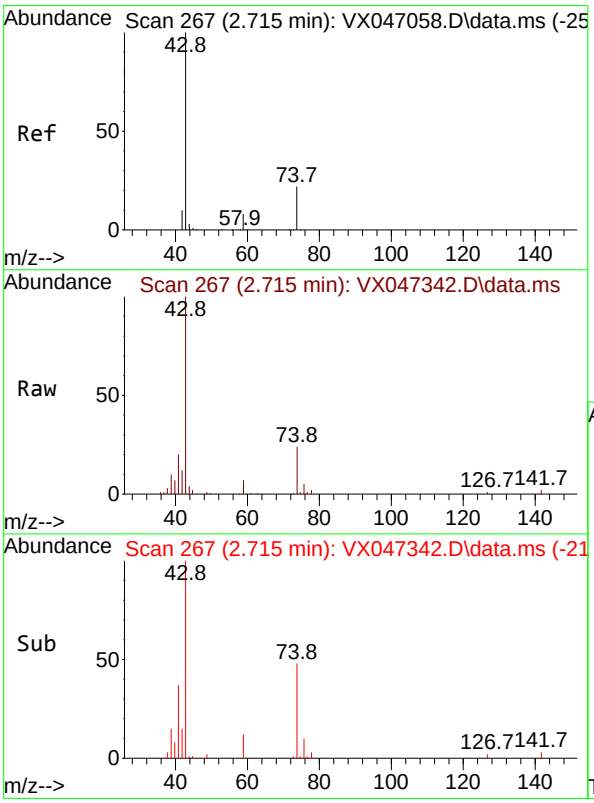
#17
Carbon Disulfide
Concen: 16.215 ug/l
RT: 2.526 min Scan# 2
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 76 Resp: 130111

Ion	Ratio	Lower	Upper
76	100		
78	8.2	7.0	10.4

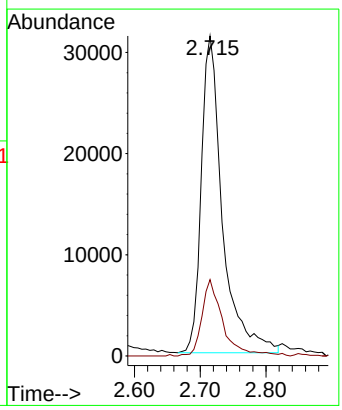


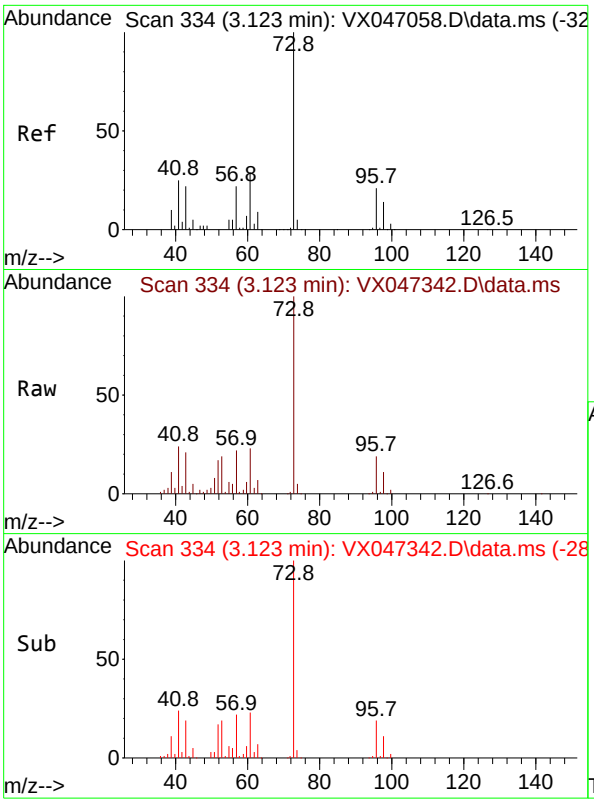


#18
Methyl Acetate
Concen: 23.974 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 43 Resp: 70167

Ion	Ratio	Lower	Upper
43	100		
74	23.8	17.7	26.5



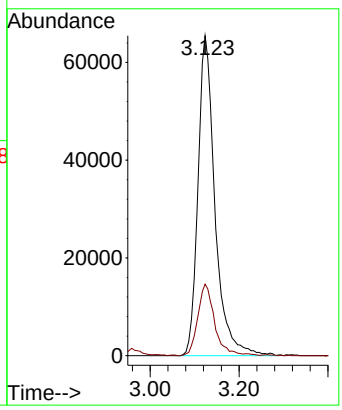


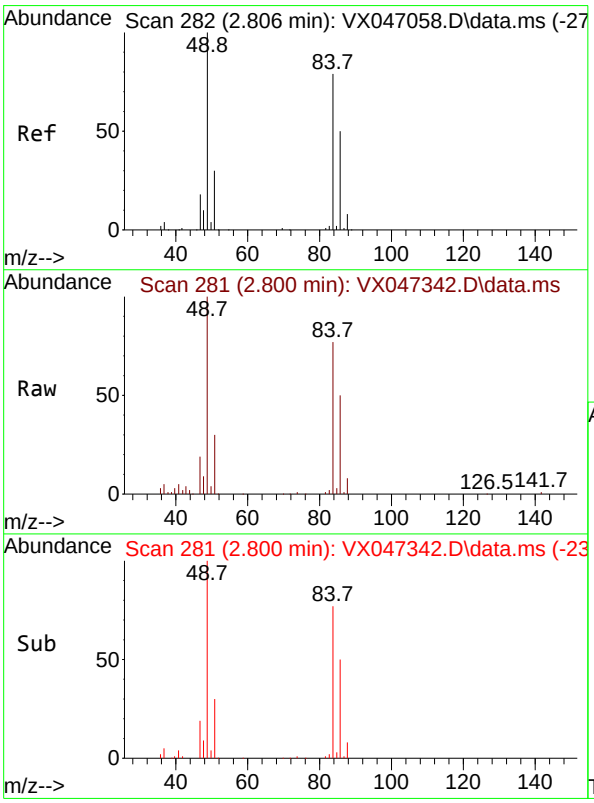
#19
Methyl tert-butyl Ether
Concen: 20.658 ug/l
RT: 3.123 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 73 Resp: 174379

Ion	Ratio	Lower	Upper
73	100		
57	23.8	17.7	26.5

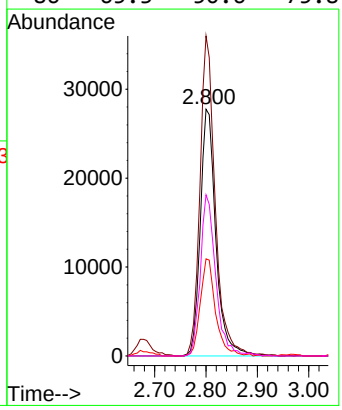


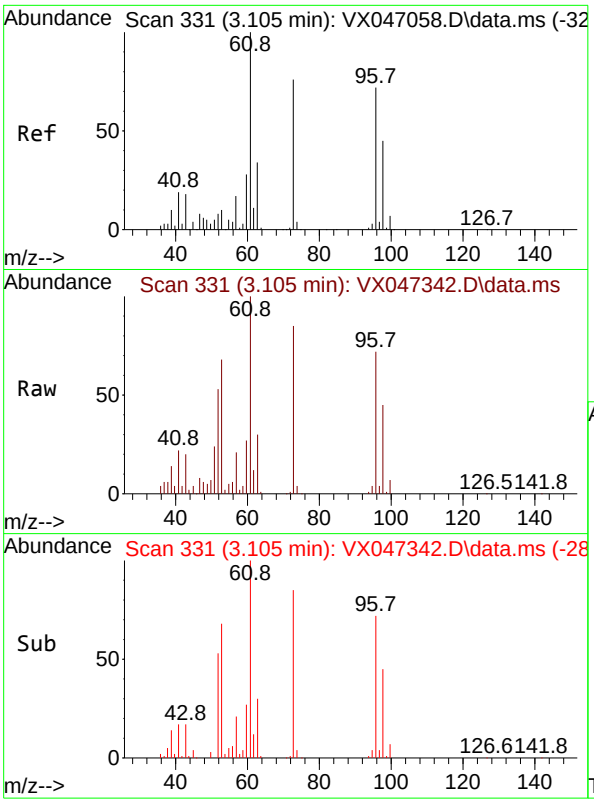


#20
Methylene Chloride
Concen: 19.327 ug/l
RT: 2.800 min Scan# 281
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 84 Resp: 58560

Ion	Ratio	Lower	Upper
84	100		
49	129.7	101.6	152.4
51	39.4	30.3	45.5
86	65.3	50.6	75.8



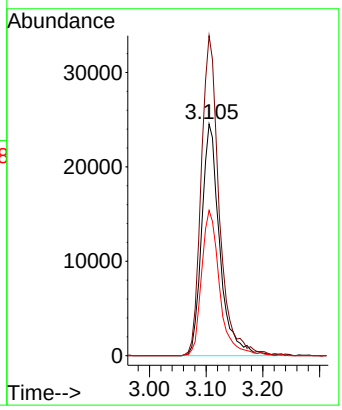


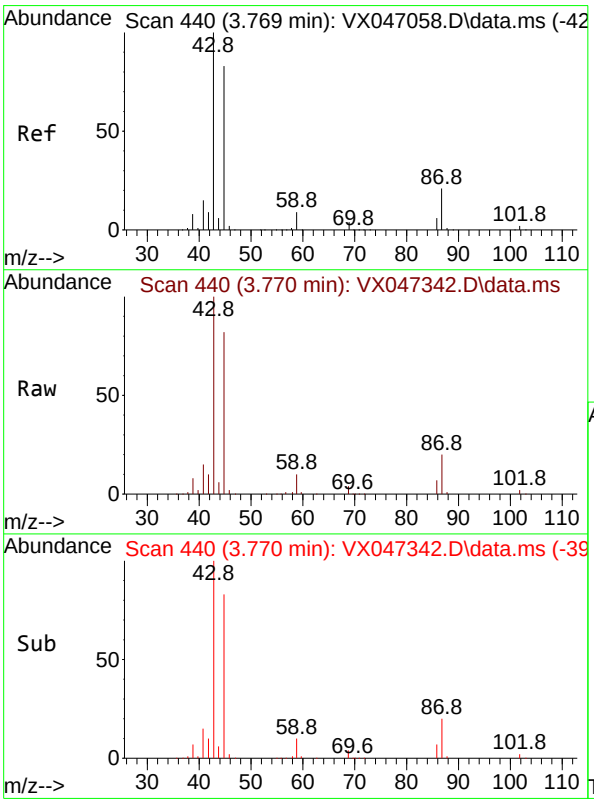
#21
trans-1,2-Dichloroethene
Concen: 19.148 ug/l
RT: 3.105 min Scan# 3
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 96 Resp: 54348

Ion	Ratio	Lower	Upper
96	100		
61	138.1	111.1	166.7
98	62.7	49.6	74.4

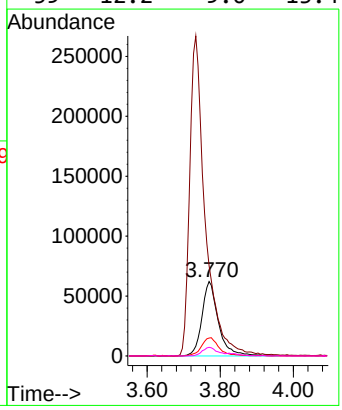


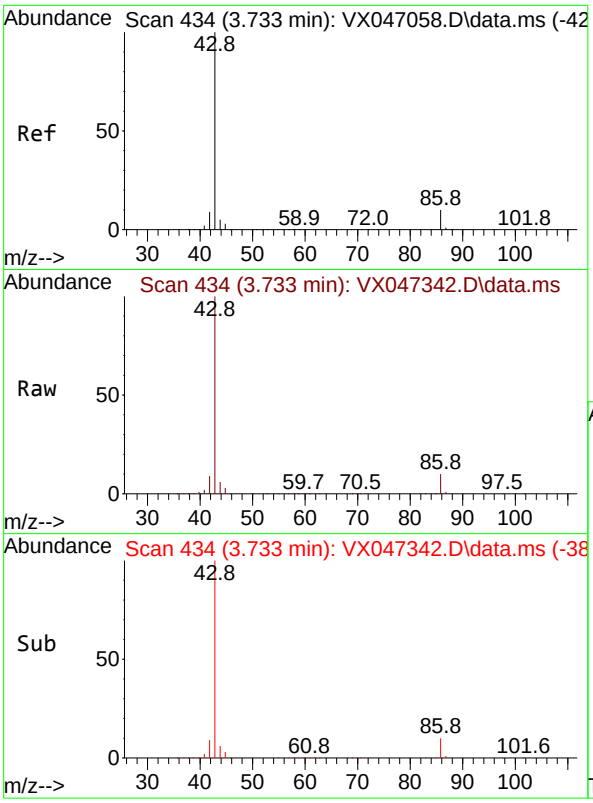


#22
Diisopropyl ether
Concen: 20.139 ug/l
RT: 3.770 min Scan# 440
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 45 Resp: 194124

Ion	Ratio	Lower	Upper
45	100		
43	120.3	96.8	145.2
87	24.0	20.5	30.7
59	12.2	9.0	13.4



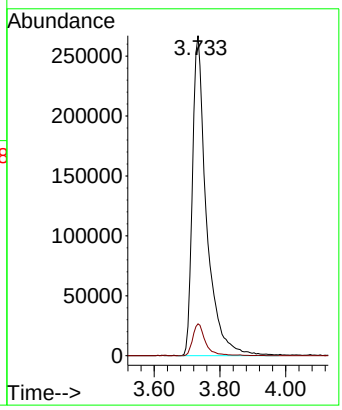


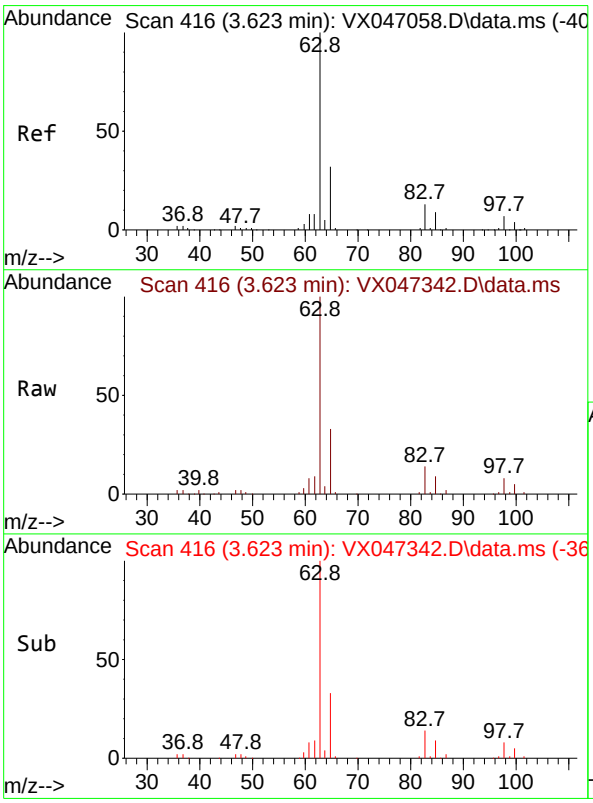
#23
Vinyl Acetate
Concen: 102.672 ug/l
RT: 3.733 min Scan# 4
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 43 Resp: 793796

Ion	Ratio	Lower	Upper
43	100		
86	10.0	8.1	12.1

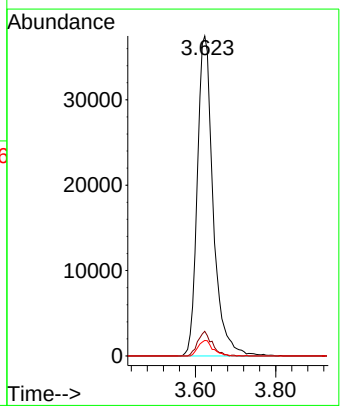


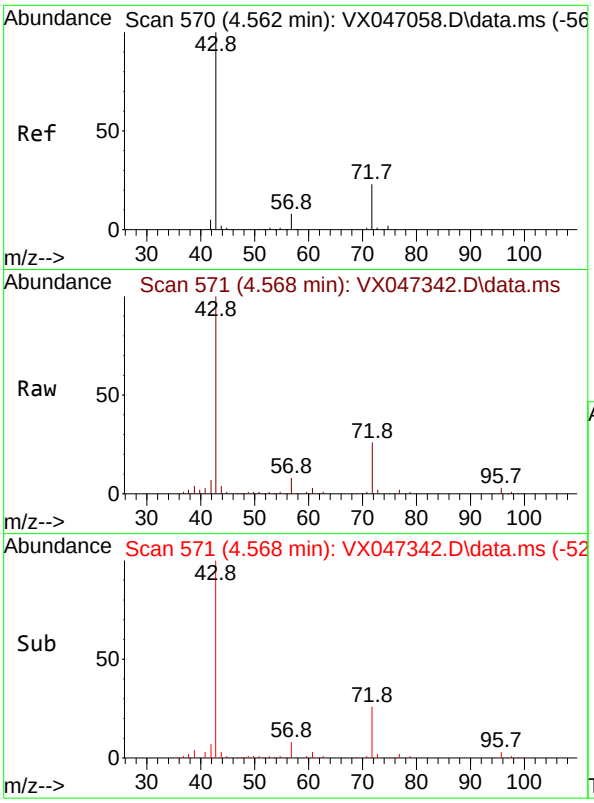


#24
1,1-Dichloroethane
Concen: 19.118 ug/l
RT: 3.623 min Scan# 416
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 63 Resp: 102478

Ion	Ratio	Lower	Upper
63	100		
98	7.7	3.6	10.8
100	4.8	2.3	6.8



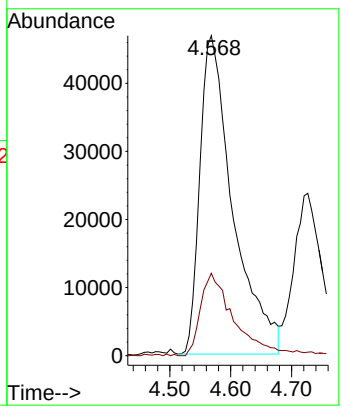


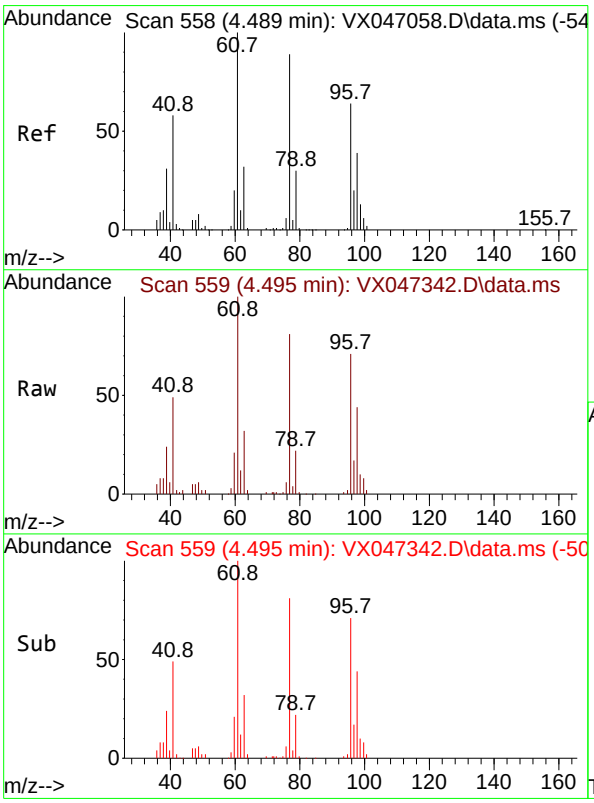
#25
2-Butanone
Concen: 109.958 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 43 Resp: 176337

Ion	Ratio	Lower	Upper
43	100		
72	25.9	18.8	28.2

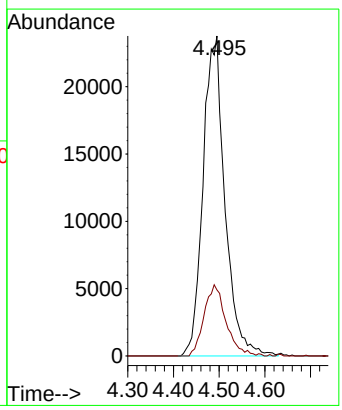


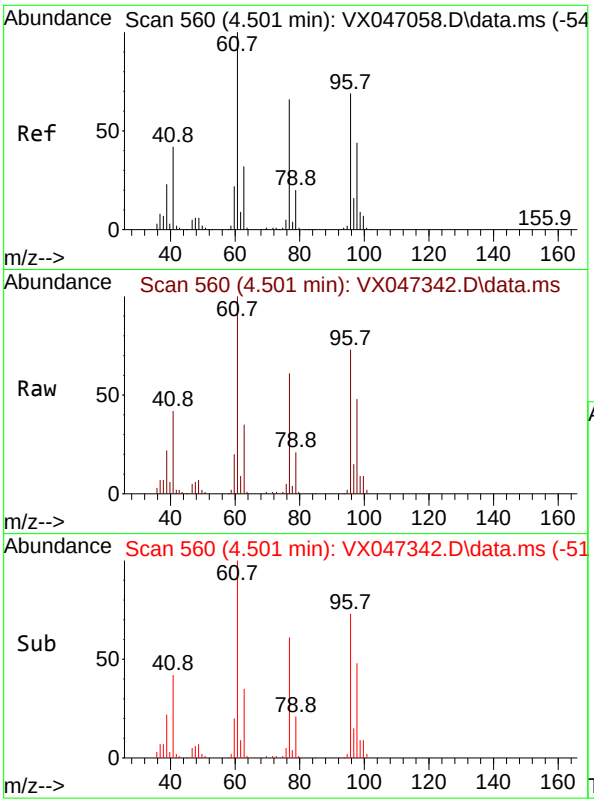


#26
2,2-Dichloropropane
Concen: 19.035 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 77 Resp: 78981

Ion	Ratio	Lower	Upper
77	100		
97	22.2	11.4	34.1



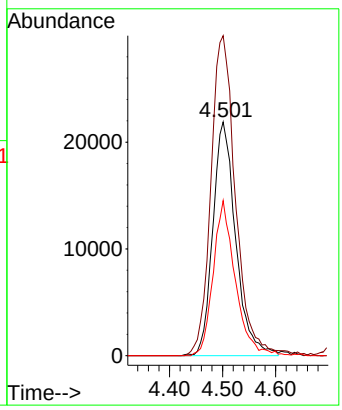


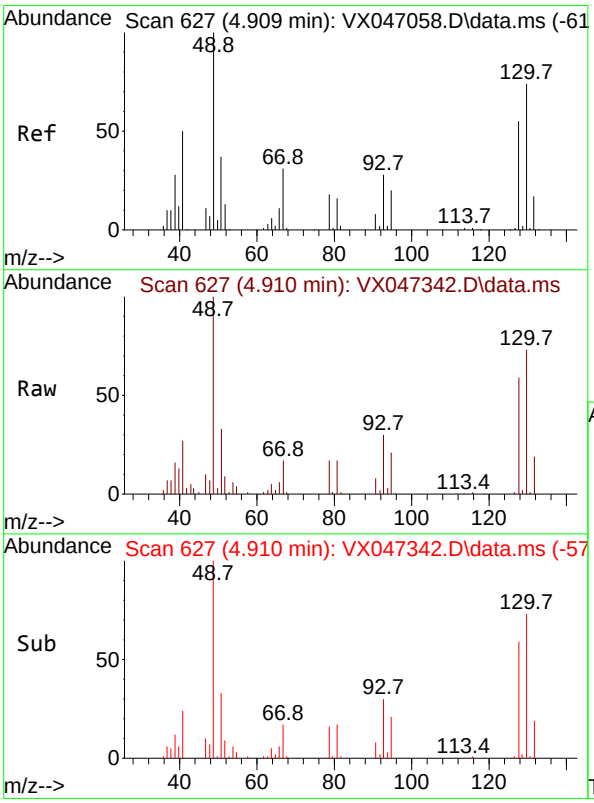
#27
cis-1,2-Dichloroethene
Concen: 19.537 ug/l
RT: 4.501 min Scan# 5
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 96 Resp: 65665

Ion	Ratio	Lower	Upper
96	100		
61	147.4	0.0	298.6
98	64.0	0.0	128.8

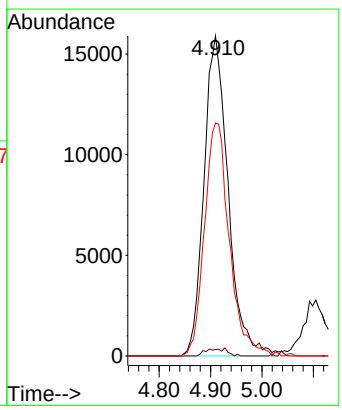


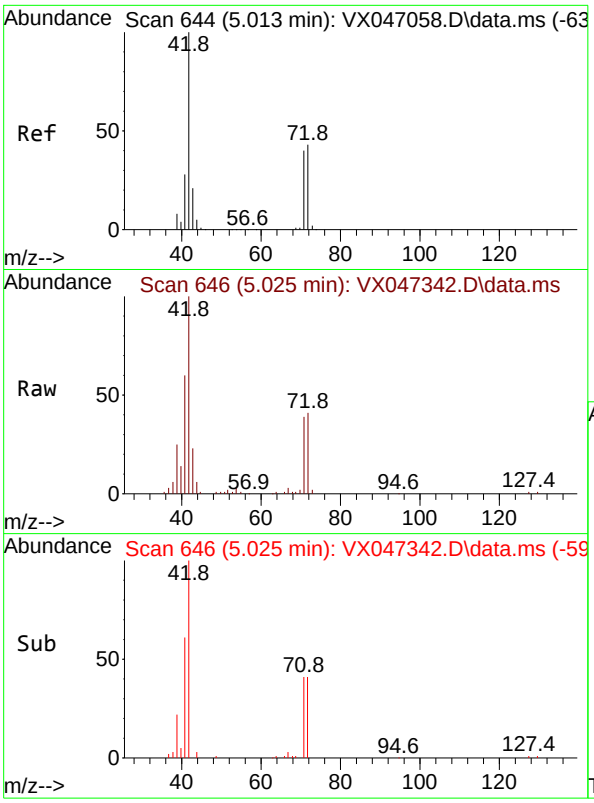


#28
Bromochloromethane
Concen: 21.089 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 49 Resp: 52005

Ion	Ratio	Lower	Upper
49	100		
129	1.1	0.0	3.8
130	74.6	59.0	88.4



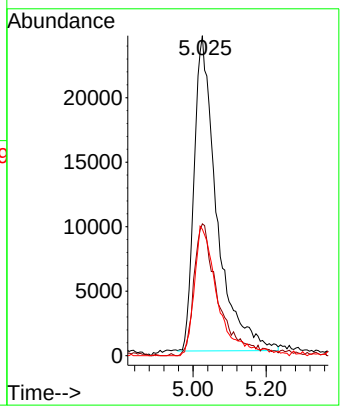


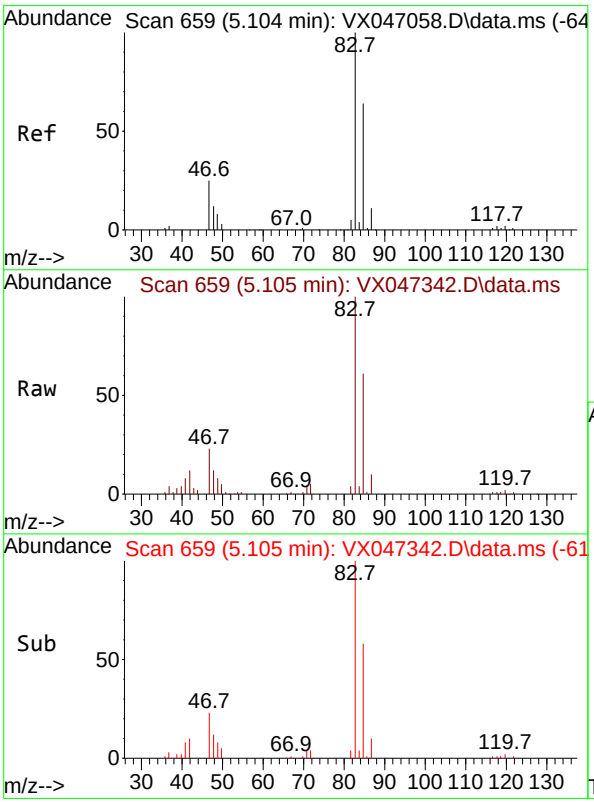
#29
Tetrahydrofuran
Concen: 101.725 ug/l
RT: 5.025 min Scan# 64
Delta R.T. 0.012 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 42 Resp: 105256

Ion	Ratio	Lower	Upper
42	100		
72	44.6	33.7	50.5
71	41.7	31.0	46.4

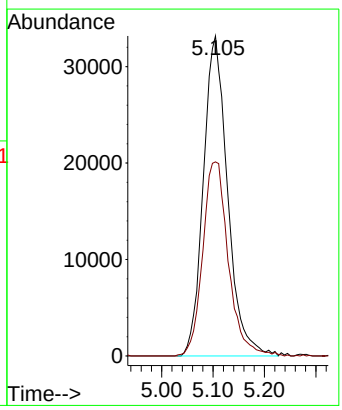


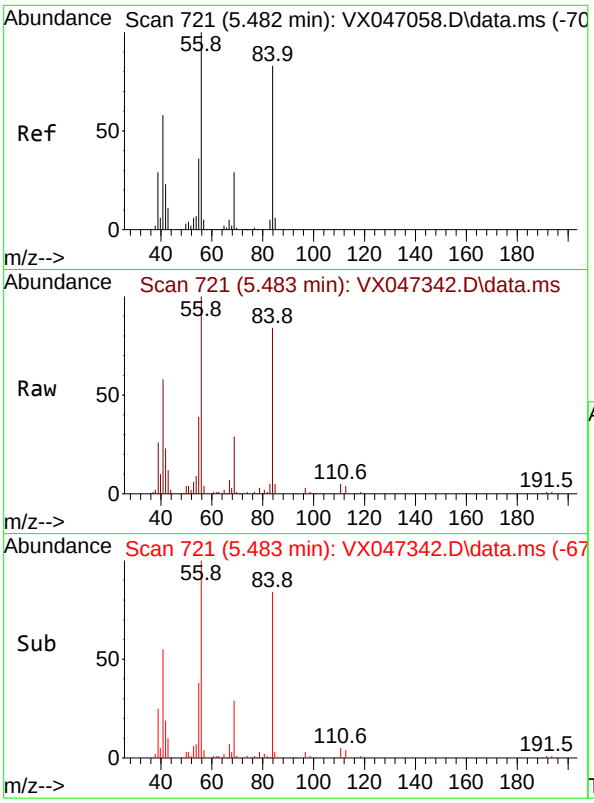


#30
Chloroform
Concen: 19.948 ug/l
RT: 5.105 min Scan# 659
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 83 Resp: 108844

Ion	Ratio	Lower	Upper
83	100		
85	61.3	50.9	76.3



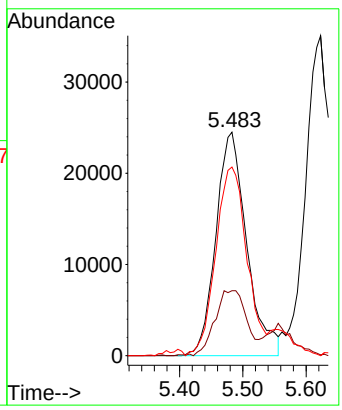


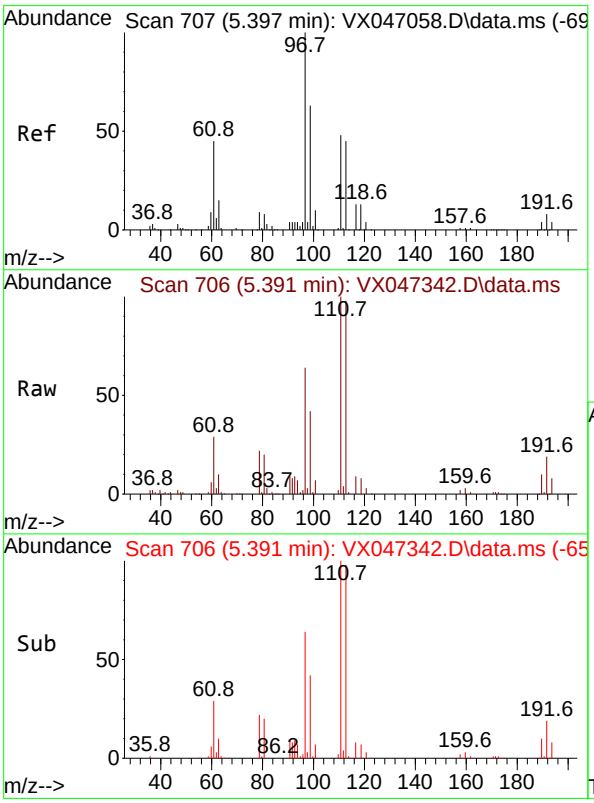
#31
Cyclohexane
Concen: 16.139 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 56 Resp: 82946

Ion	Ratio	Lower	Upper
56	100		
69	28.6	23.3	34.9
84	81.6	66.5	99.7

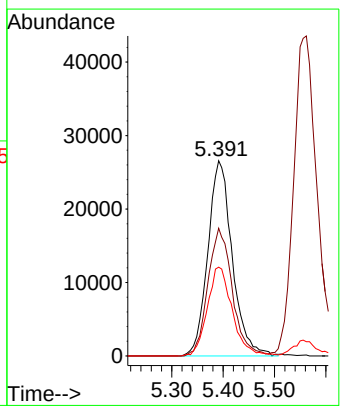


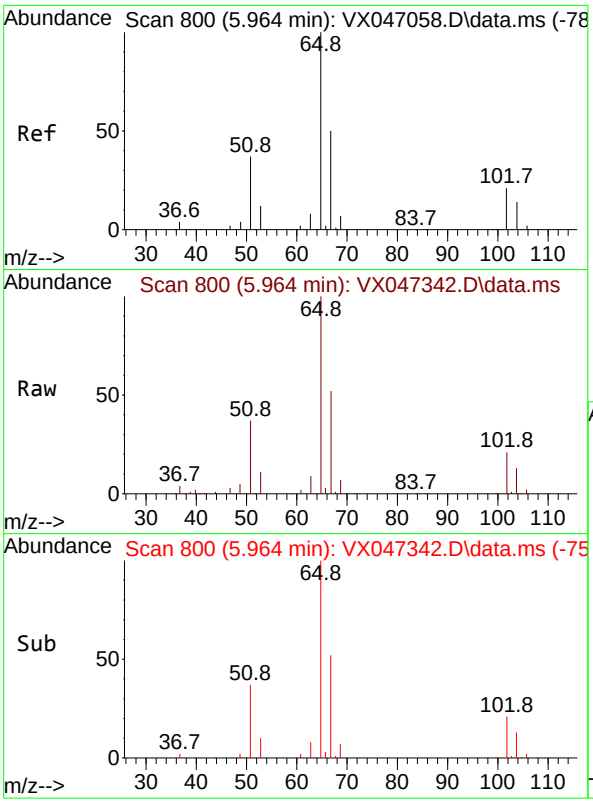


#32
1,1,1-Trichloroethane
Concen: 18.505 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 97 Resp: 87698

Ion	Ratio	Lower	Upper
97	100		
99	65.1	51.2	76.8
61	46.5	37.1	55.7



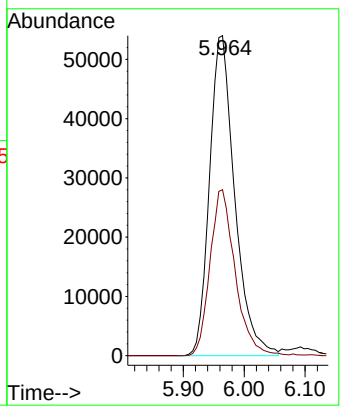


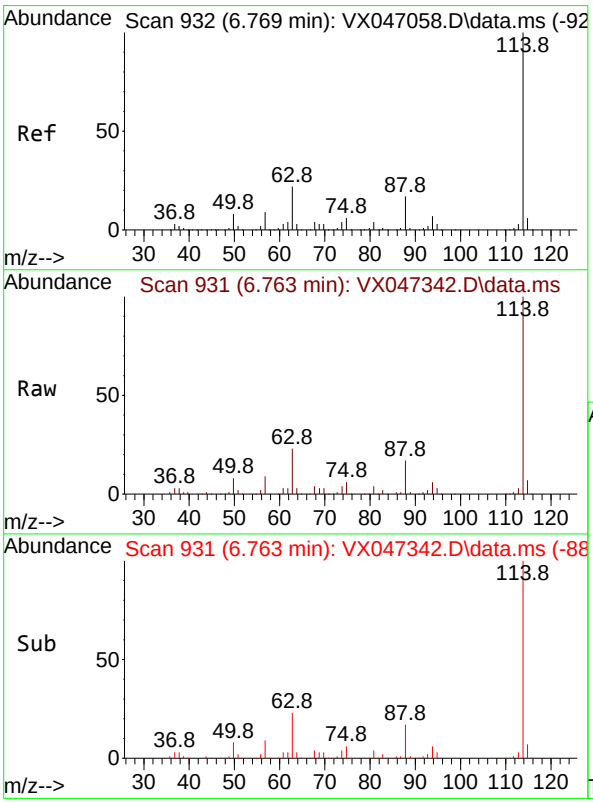
#33
1,2-Dichloroethane-d4
Concen: 56.528 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 65 Resp: 155411

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	104.8

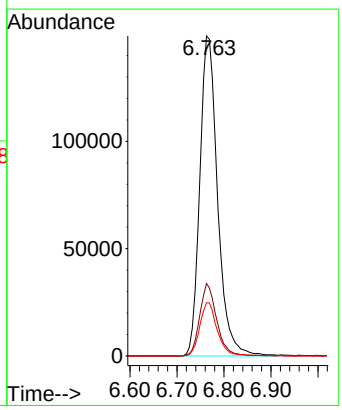


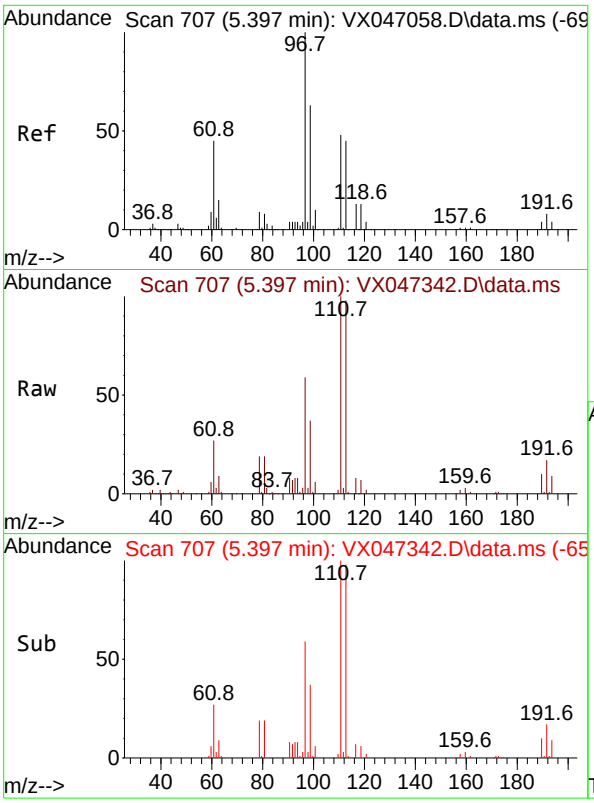


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:114 Resp: 392445

Ion	Ratio	Lower	Upper
114	100		
63	22.7	0.0	43.2
88	16.6	0.0	33.8



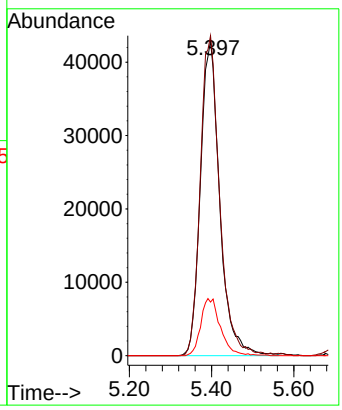


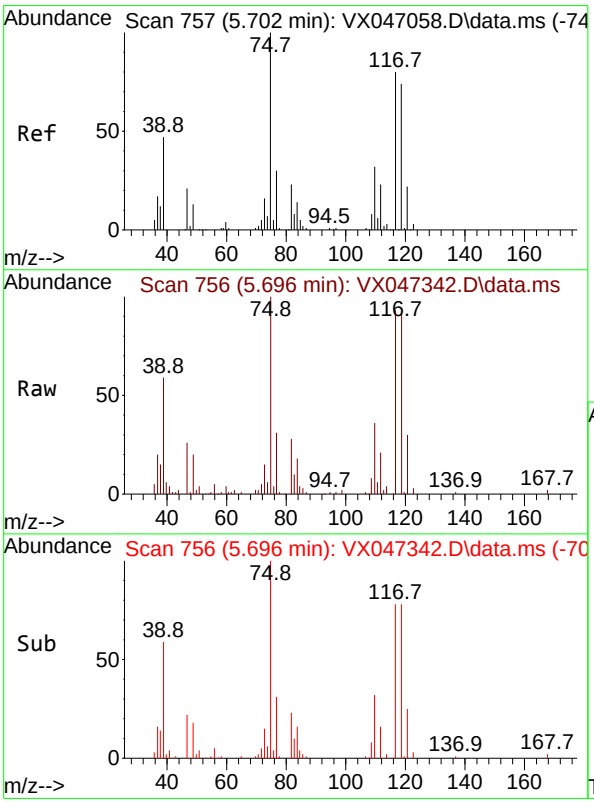
#35
Dibromofluoromethane
Concen: 57.560 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:113 Resp: 139473

Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	124.0
192	18.6	14.9	22.3

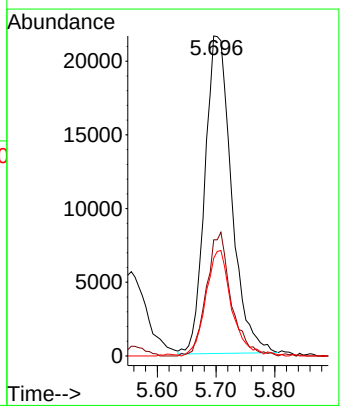


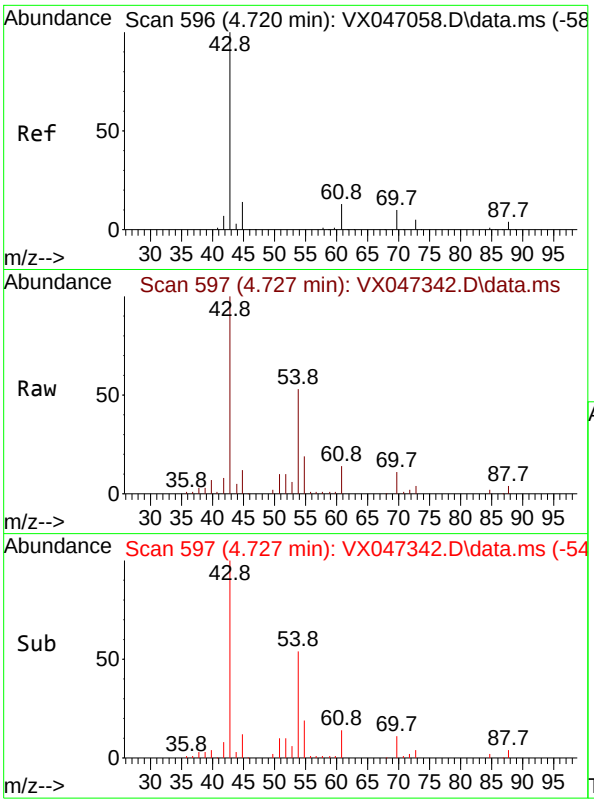


#36
1,1-Dichloropropene
Concen: 16.433 ug/l
RT: 5.696 min Scan# 756
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 75 Resp: 67873

Ion	Ratio	Lower	Upper
75	100		
110	35.9	17.2	51.5
77	32.0	25.1	37.7



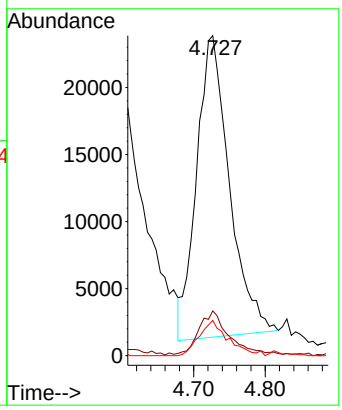


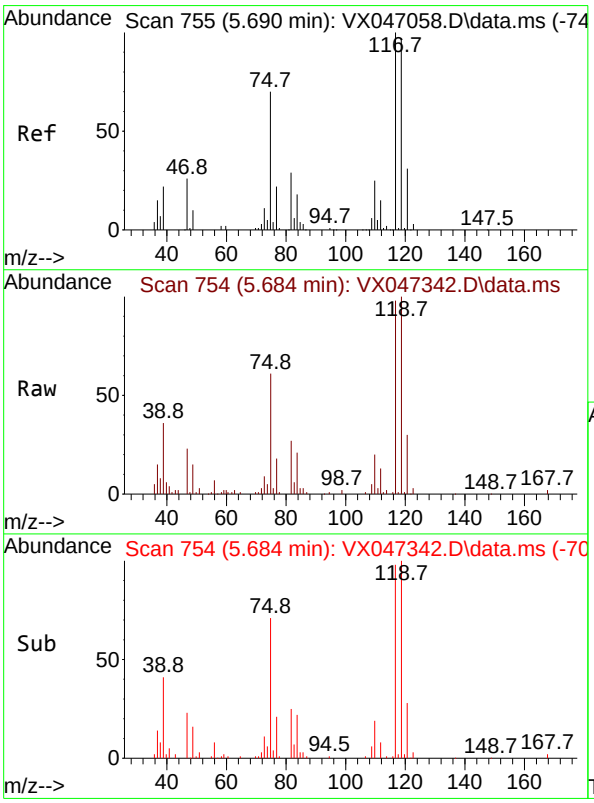
#37
Ethyl Acetate
Concen: 18.865 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 43 Resp: 71799

Ion	Ratio	Lower	Upper
43	100		
61	12.8	10.2	15.2
70	10.3	8.1	12.1

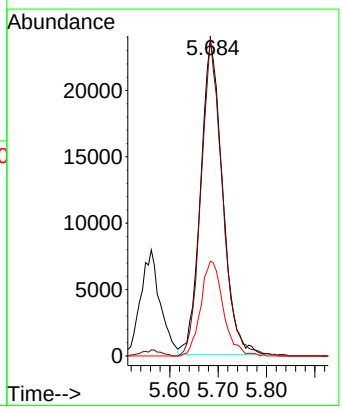


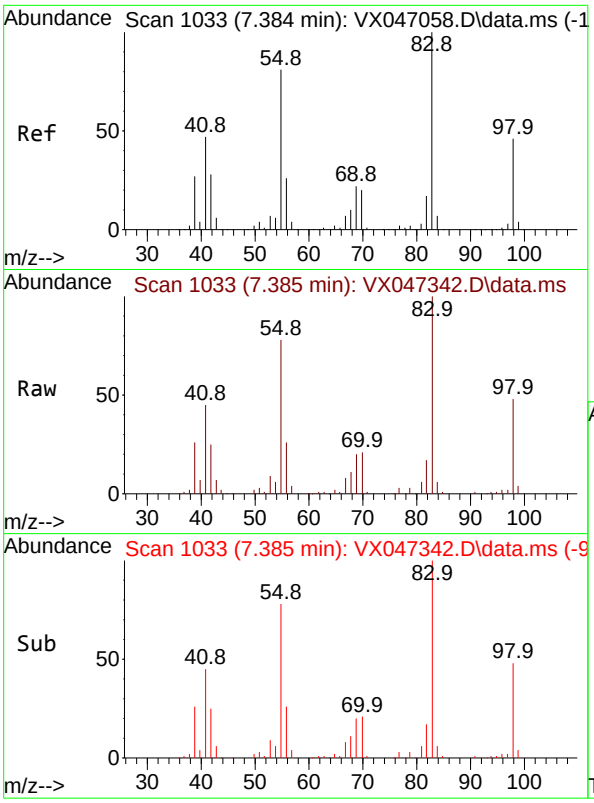


#38
Carbon Tetrachloride
Concen: 16.934 ug/l
RT: 5.684 min Scan# 754
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:117 Resp: 74651

Ion	Ratio	Lower	Upper
117	100		
119	102.2	76.6	115.0
121	30.3	24.4	36.6



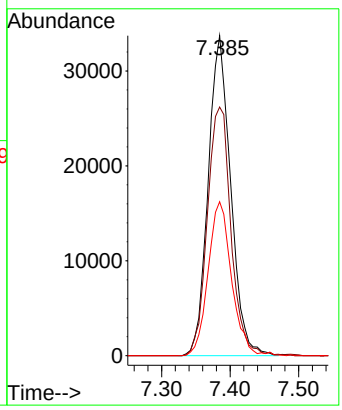


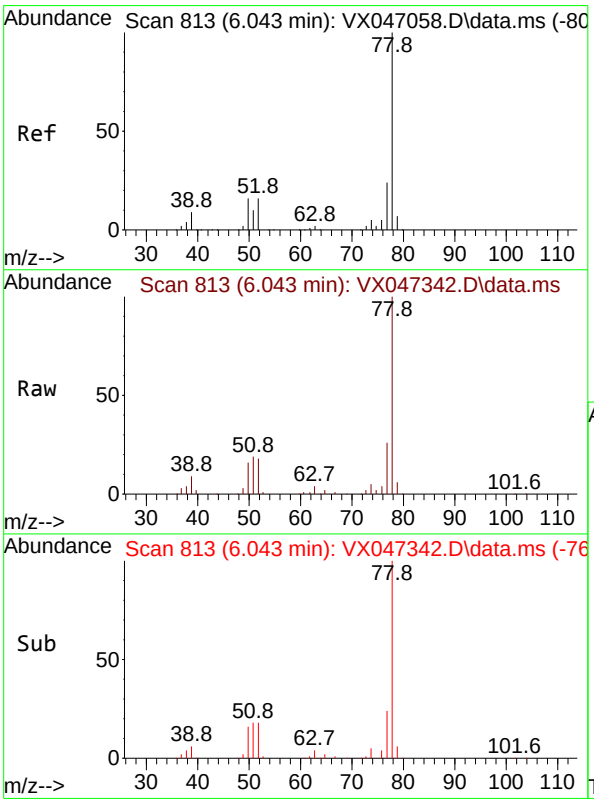
#39
Methylcyclohexane
Concen: 14.903 ug/l
RT: 7.385 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 83 Resp: 76855

Ion	Ratio	Lower	Upper
83	100		
55	77.7	64.5	96.7
98	48.1	36.9	55.3

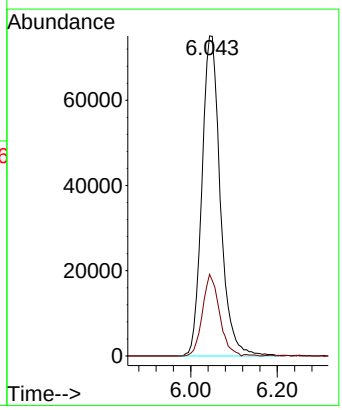


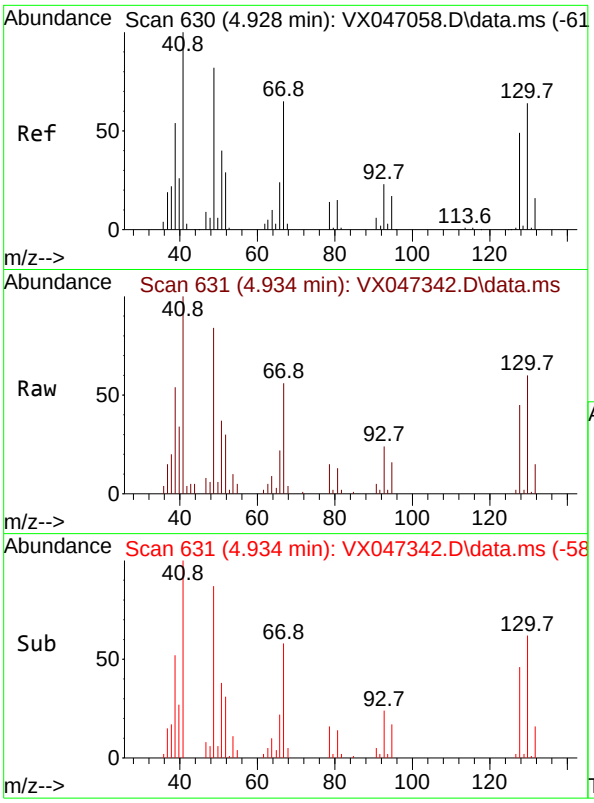


#40
Benzene
Concen: 18.518 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 78 Resp: 221348

Ion	Ratio	Lower	Upper
78	100		
77	25.5	19.0	28.4



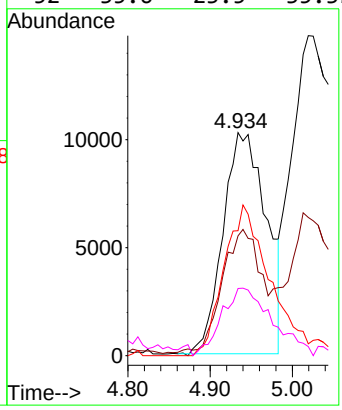


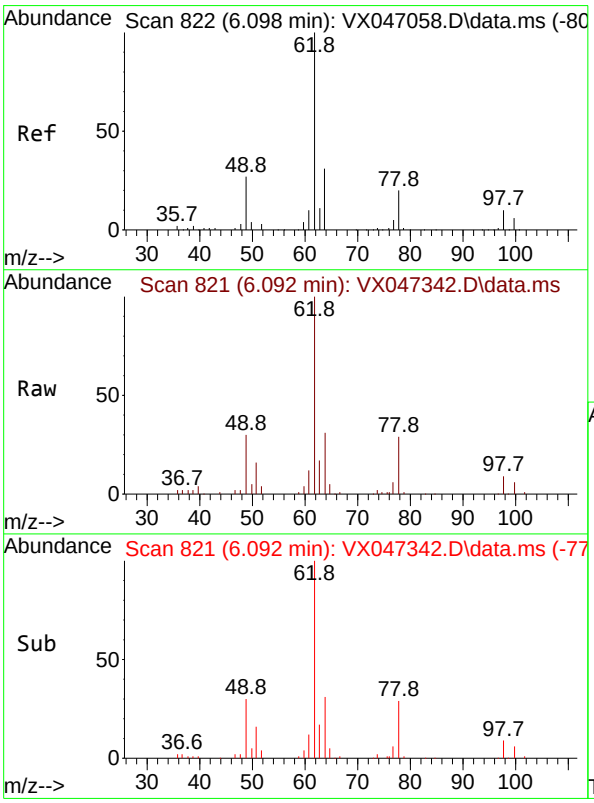
#41
Methacrylonitrile
Concen: 18.844 ug/l
RT: 4.934 min Scan# 6
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 41 Resp: 37500

Ion	Ratio	Lower	Upper
41	100		
39	52.8	44.2	66.2
67	75.5	56.4	84.6
52	35.6	23.5	35.3#

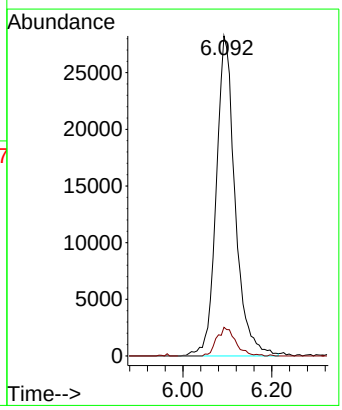


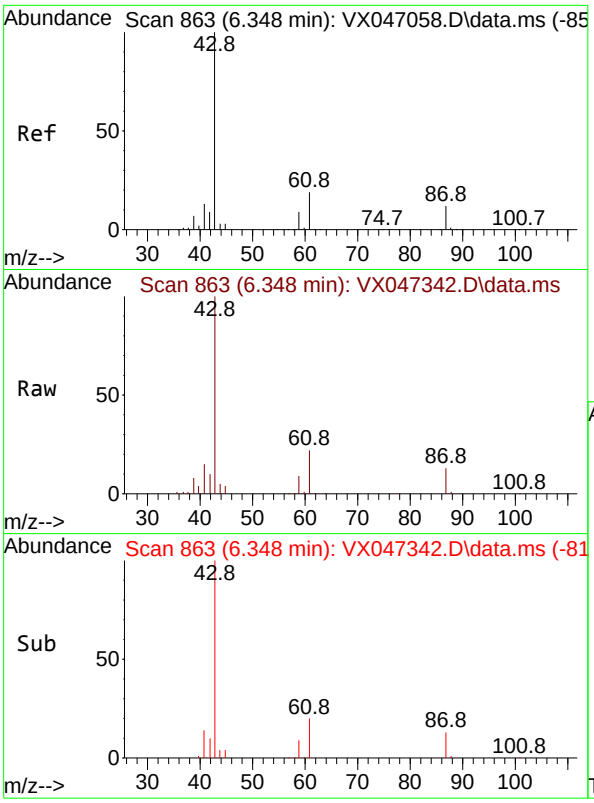


#42
1,2-Dichloroethane
Concen: 19.745 ug/l
RT: 6.092 min Scan# 821
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 62 Resp: 83140

Ion	Ratio	Lower	Upper
62	100		
98	9.0	0.0	18.8



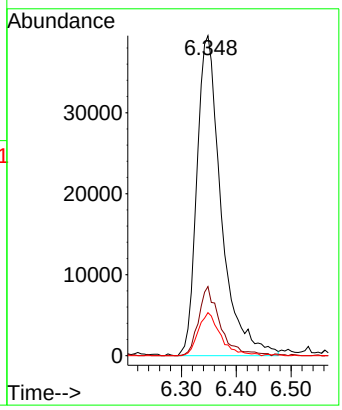


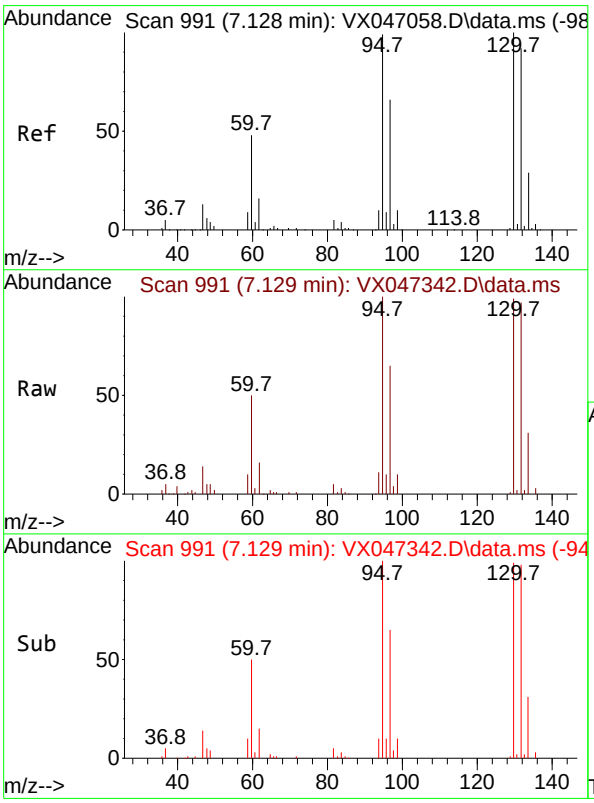
#43
Isopropyl Acetate
Concen: 20.499 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 43 Resp: 121628

Ion	Ratio	Lower	Upper
43	100		
61	19.1	15.1	22.7
87	12.4	9.7	14.5

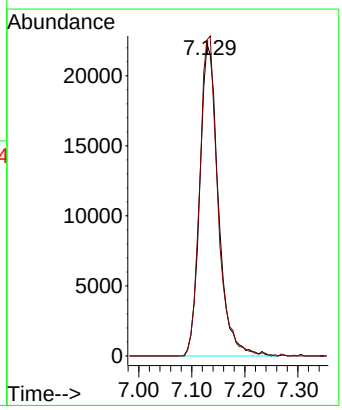


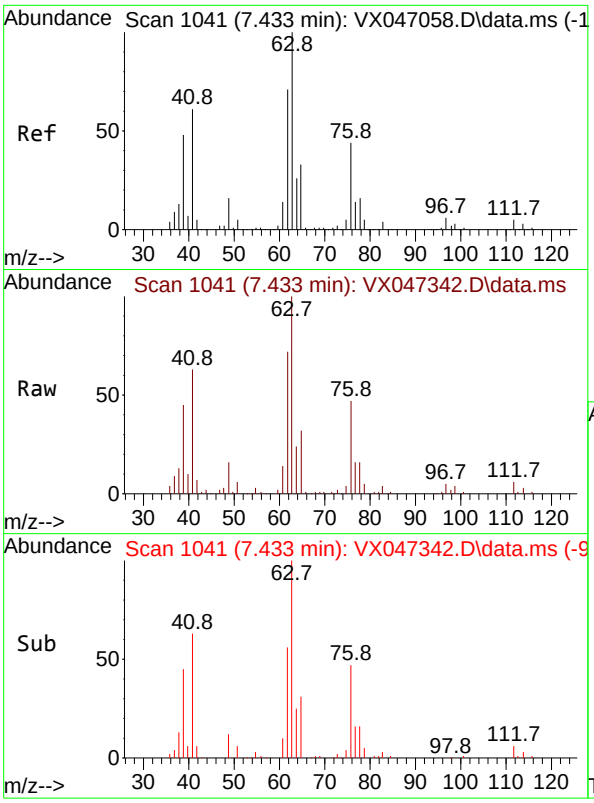


#44
Trichloroethene
Concen: 17.657 ug/l
RT: 7.129 min Scan# 991
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:130 Resp: 54121

Ion	Ratio	Lower	Upper
130	100		
95	101.3	0.0	198.6



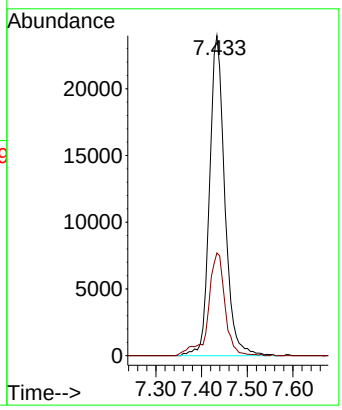


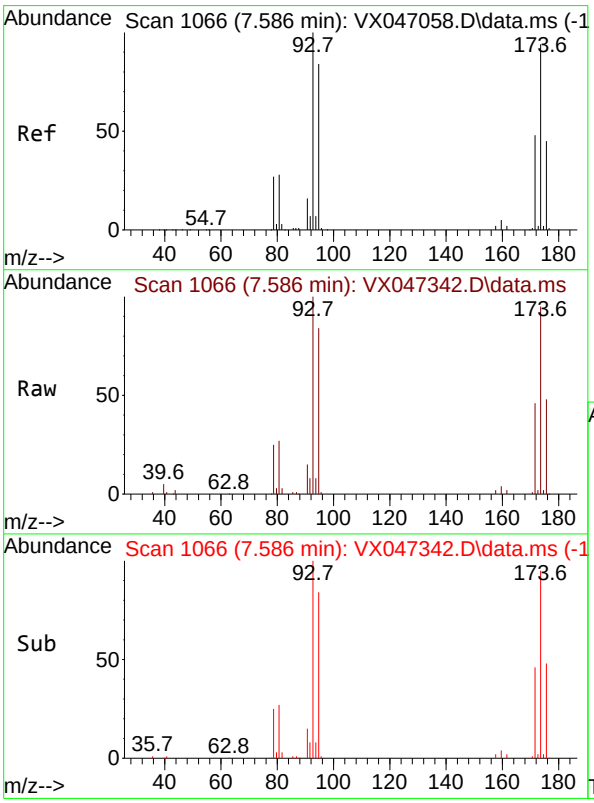
#45
1,2-Dichloropropane
Concen: 18.583 ug/l
RT: 7.433 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 63 Resp: 55635

Ion	Ratio	Lower	Upper
63	100		
65	32.1	26.3	39.5

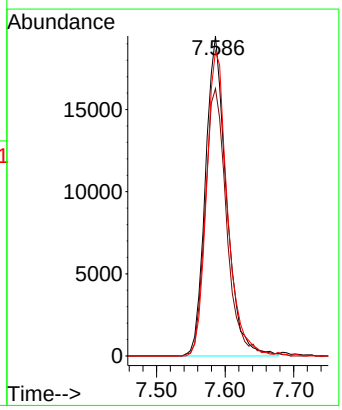


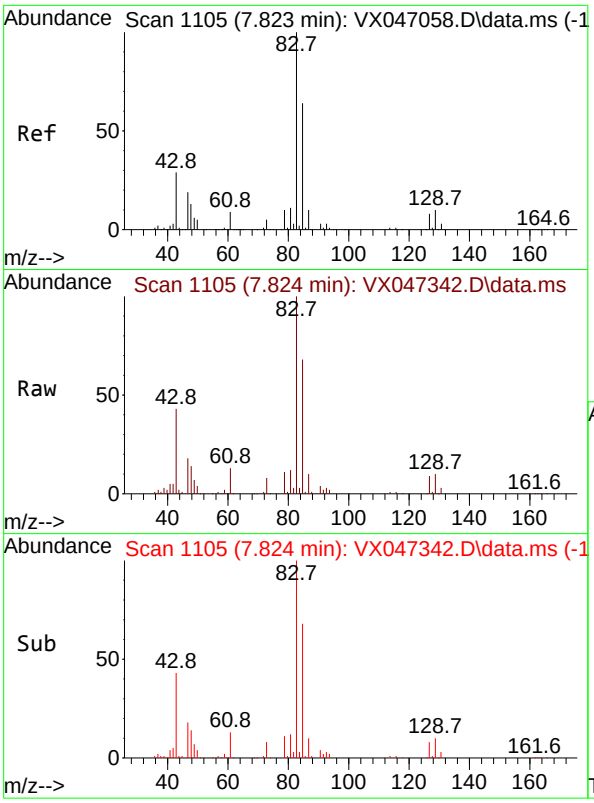


#46
Dibromomethane
Concen: 19.760 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 93 Resp: 41484

Ion	Ratio	Lower	Upper
93	100		
95	85.9	65.9	98.9
174	95.1	74.6	112.0



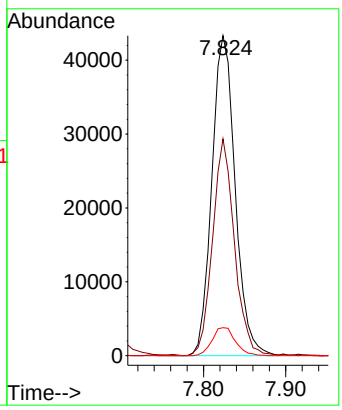


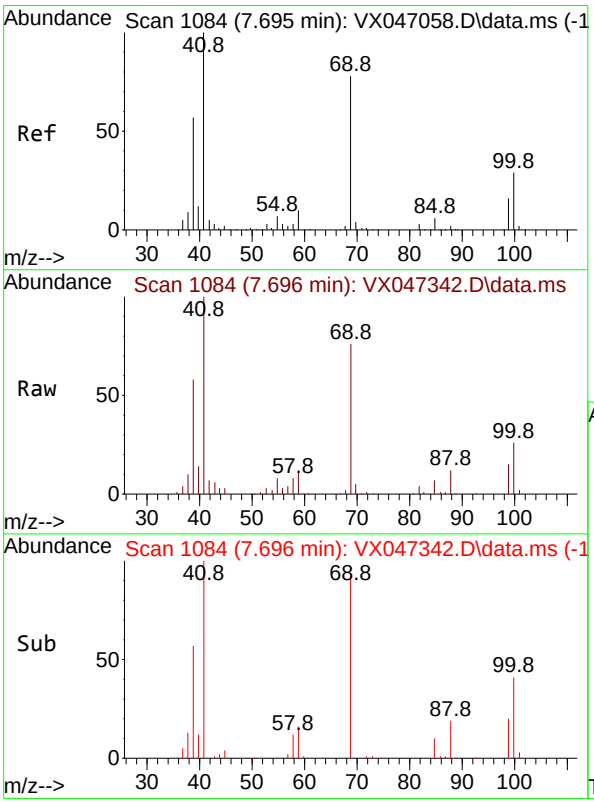
#47
Bromodichloromethane
Concen: 19.071 ug/l
RT: 7.824 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 83 Resp: 85219

Ion	Ratio	Lower	Upper
83	100		
85	68.3	49.9	74.9
127	8.7	6.6	10.0

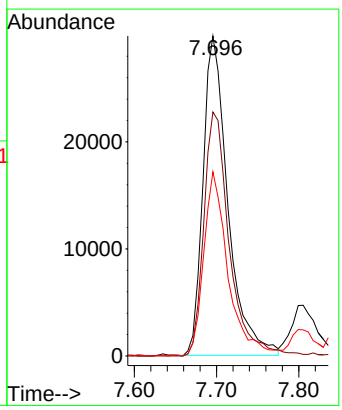


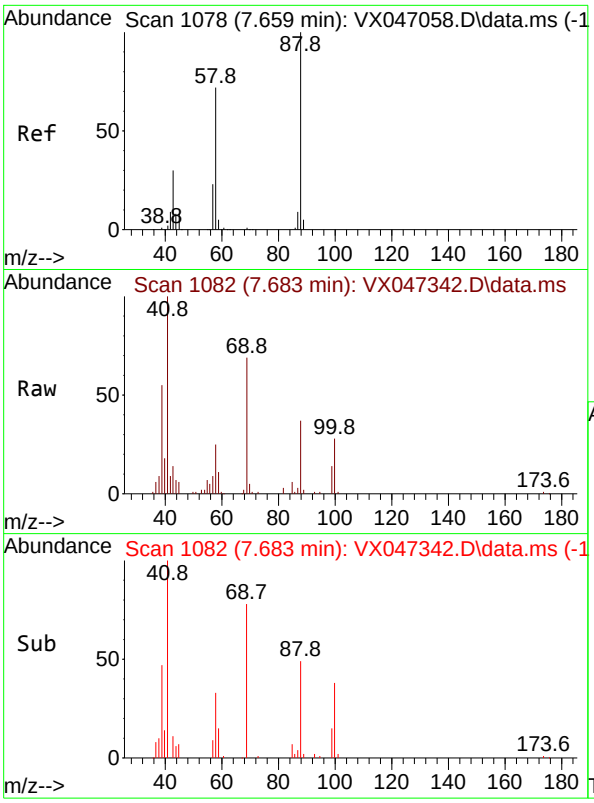


#48
Methyl methacrylate
Concen: 19.411 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 41 Resp: 62741

Ion	Ratio	Lower	Upper
41	100		
69	78.3	62.3	93.5
39	56.5	44.8	67.2



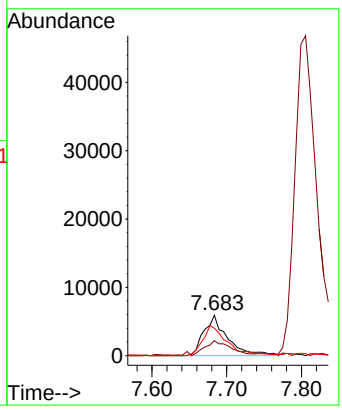


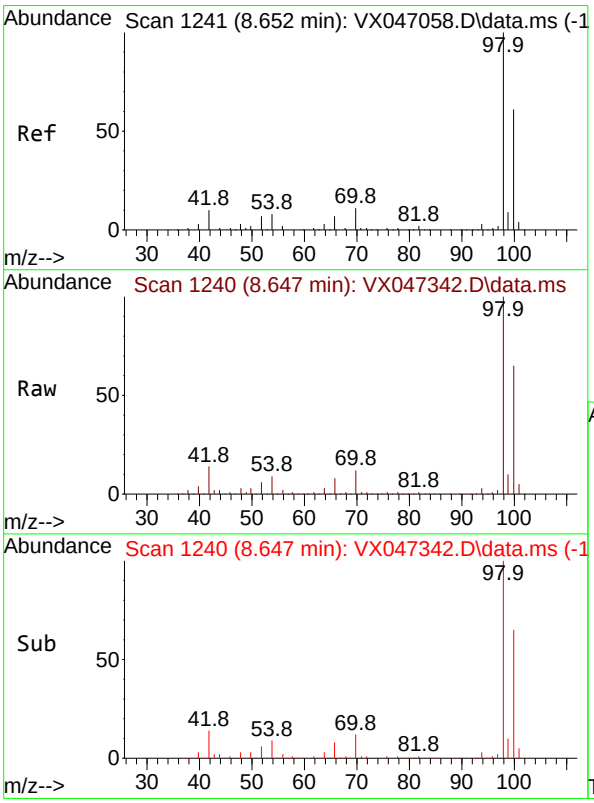
#49
1,4-Dioxane
Concen: 352.310 ug/l
RT: 7.683 min Scan# 1
Delta R.T. 0.025 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 88 Resp: 12952

Ion	Ratio	Lower	Upper
88	100		
43	39.8	33.6	50.4
58	76.4	58.8	88.2

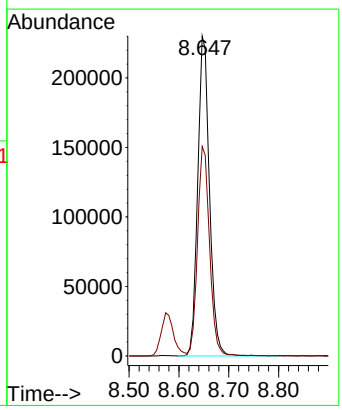


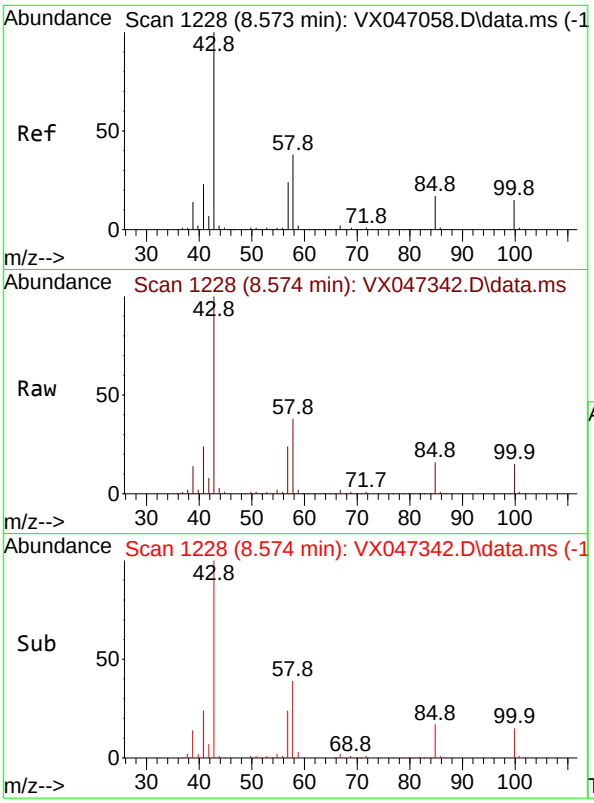


#50
Toluene-d8
Concen: 47.946 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 98 Resp: 376237

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9



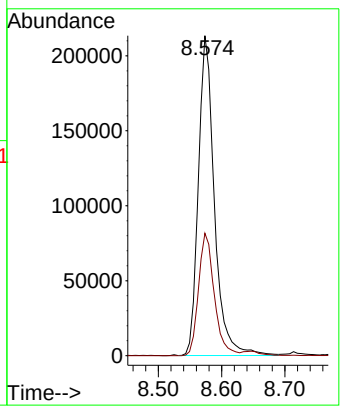


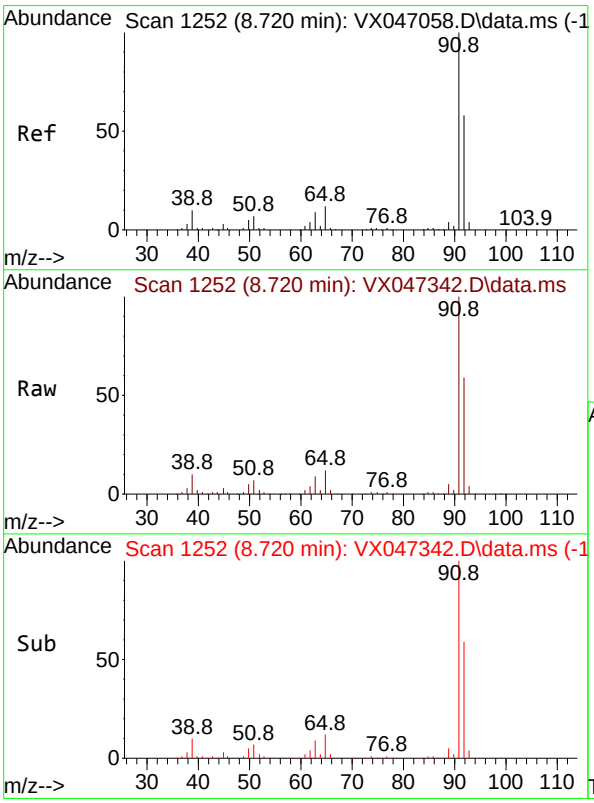
#51
4-Methyl-2-Pentanone
Concen: 107.156 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 43 Resp: 377908

Ion	Ratio	Lower	Upper
43	100		
58	37.6	30.6	45.8

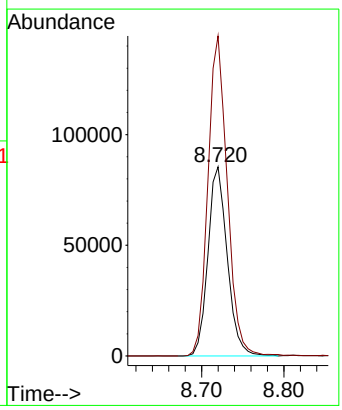


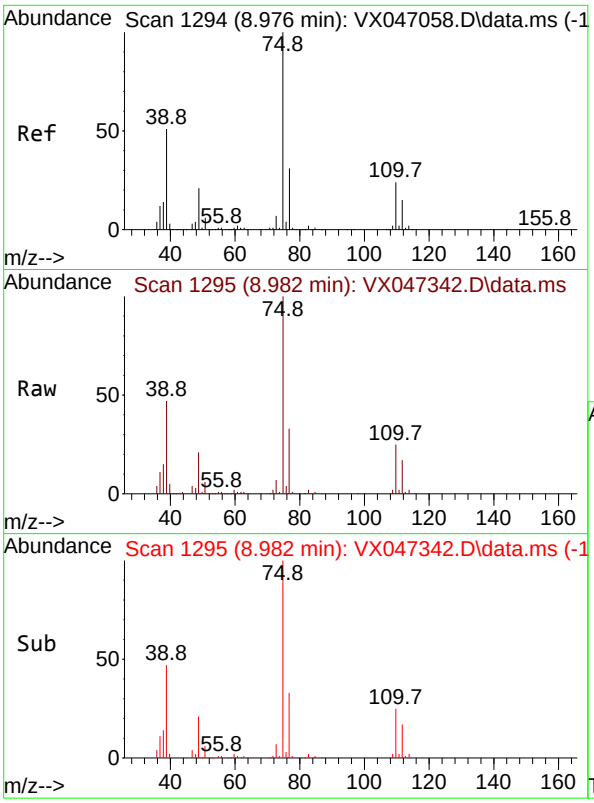


#52
Toluene
Concen: 18.984 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 92 Resp: 139529

Ion	Ratio	Lower	Upper
92	100		
91	169.6	137.9	206.9



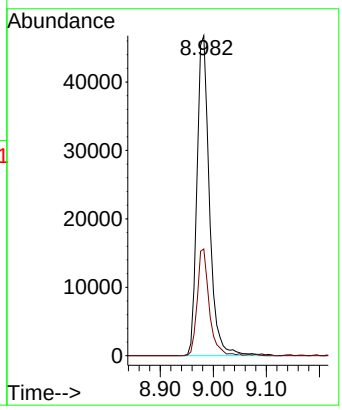


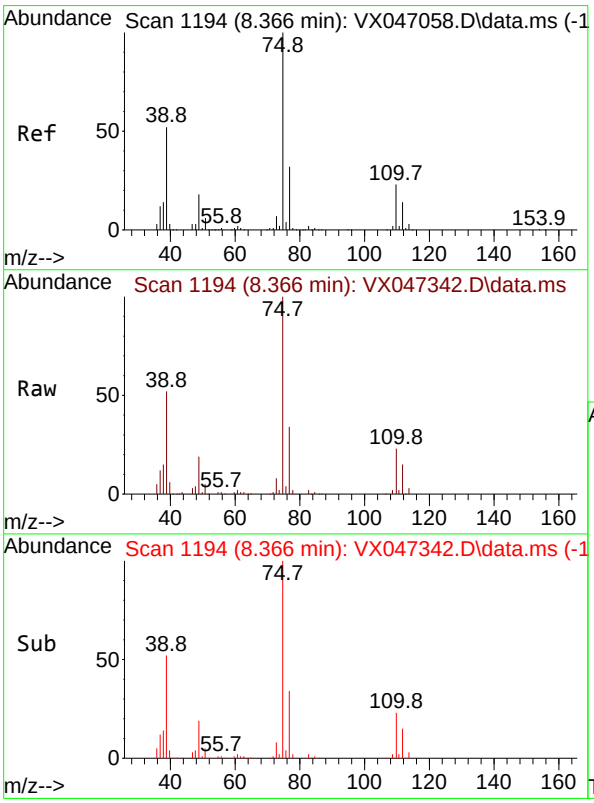
#53
t-1,3-Dichloropropene
Concen: 18.119 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 75 Resp: 76457

Ion	Ratio	Lower	Upper
75	100		
77	33.3	24.5	36.7

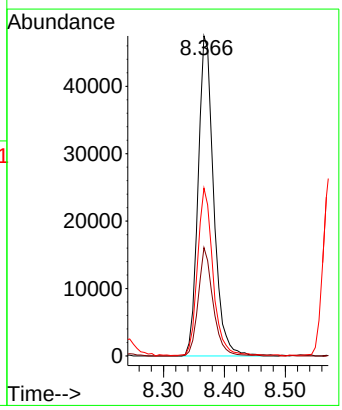


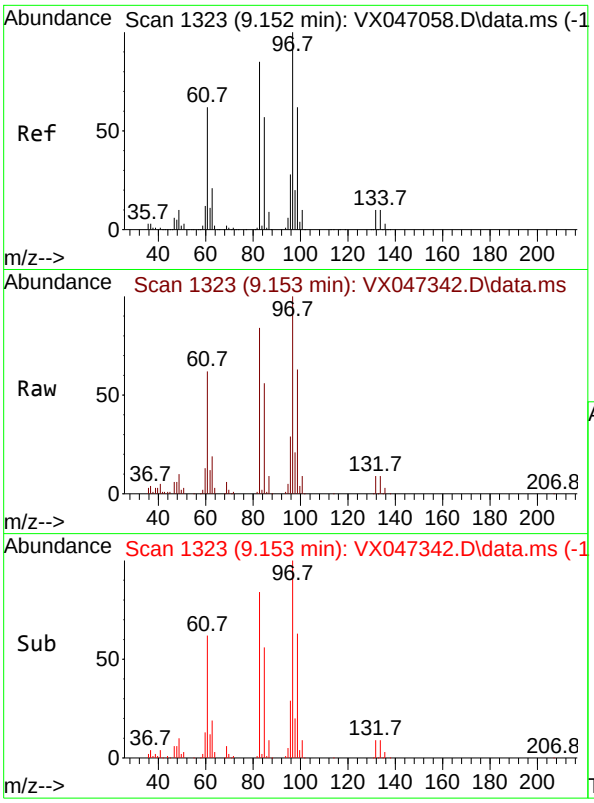


#54
cis-1,3-Dichloropropene
Concen: 18.264 ug/l
RT: 8.366 min Scan# 1194
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 75 Resp: 84351

Ion	Ratio	Lower	Upper
75	100		
77	33.9	25.4	38.0
39	52.2	41.8	62.6



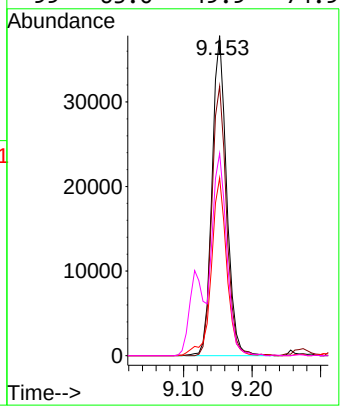


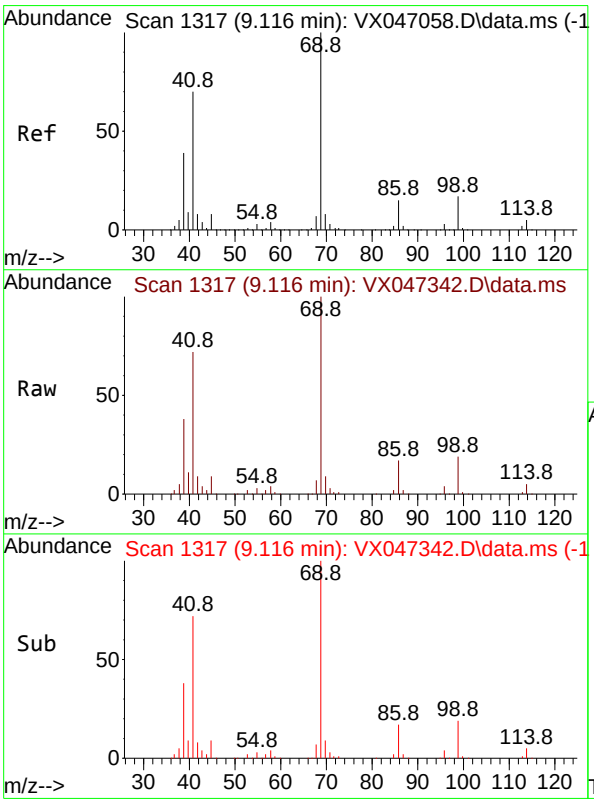
#55
1,1,2-Trichloroethane
Concen: 20.319 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 97 Resp: 56007

Ion	Ratio	Lower	Upper
97	100		
83	84.2	68.0	102.0
85	55.5	45.2	67.8
99	63.0	49.9	74.9

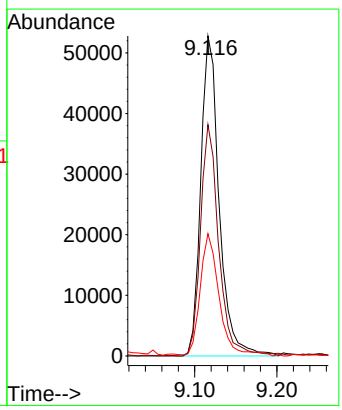


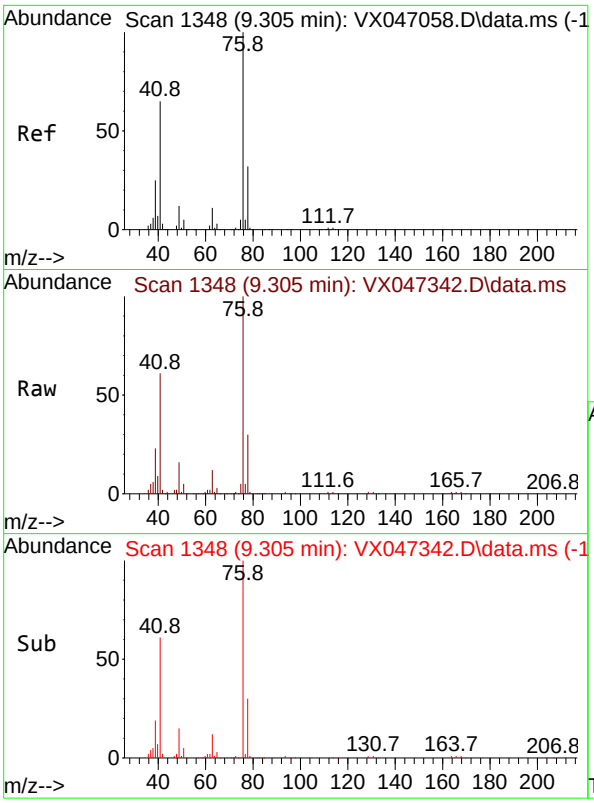


#56
Ethyl methacrylate
Concen: 20.132 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 69 Resp: 82151

Ion	Ratio	Lower	Upper
69	100		
41	71.8	56.1	84.1
39	39.5	31.1	46.7



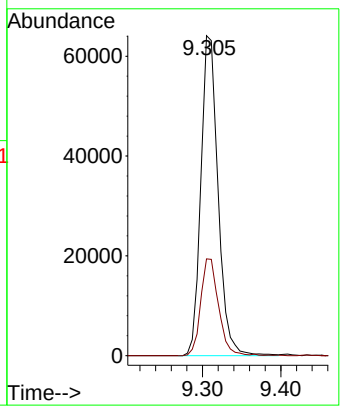


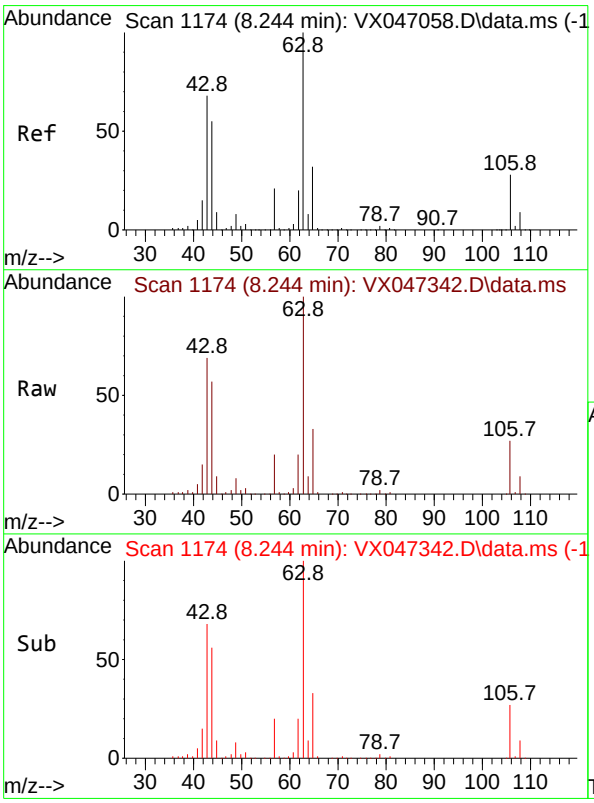
#57
1,3-Dichloropropane
Concen: 20.410 ug/l
RT: 9.305 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 76 Resp: 97772

Ion	Ratio	Lower	Upper
76	100		
78	31.5	25.5	38.3

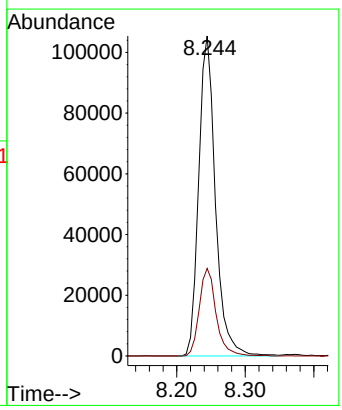


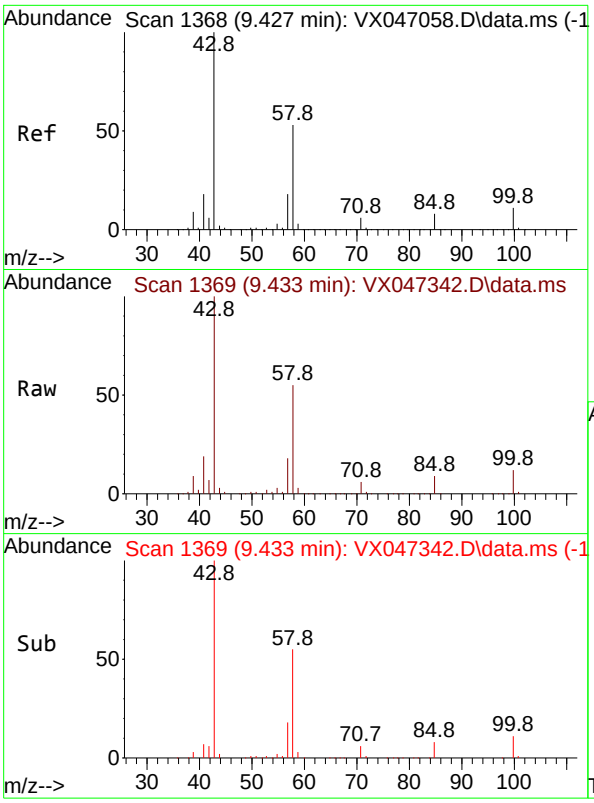


#58
2-Chloroethyl Vinyl ether
Concen: 78.797 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 63 Resp: 178926

Ion	Ratio	Lower	Upper
63	100		
106	27.5	22.2	33.4



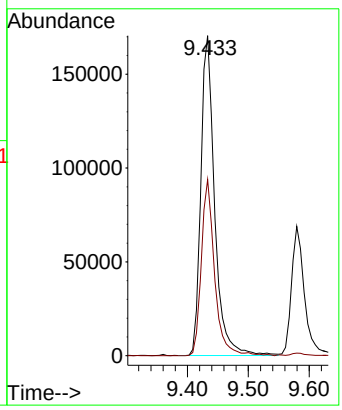


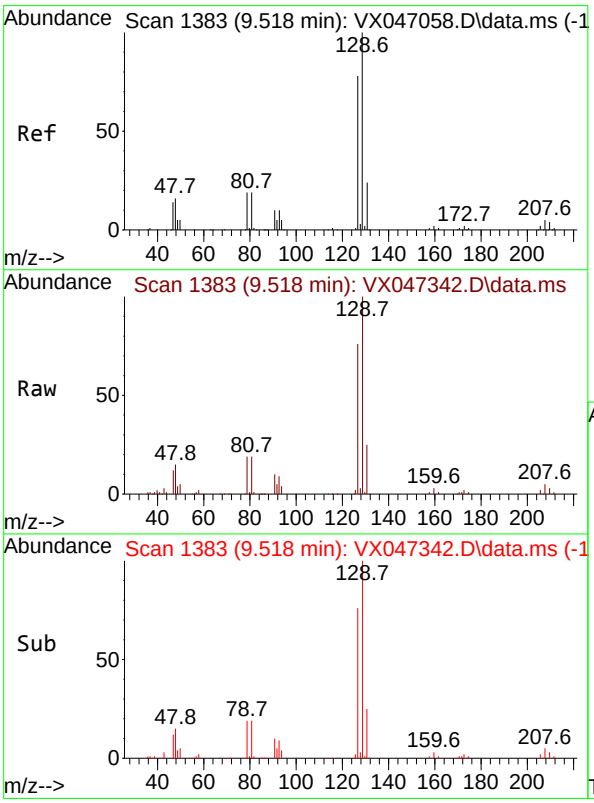
#59
2-Hexanone
Concen: 115.507 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 43 Resp: 269134

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5

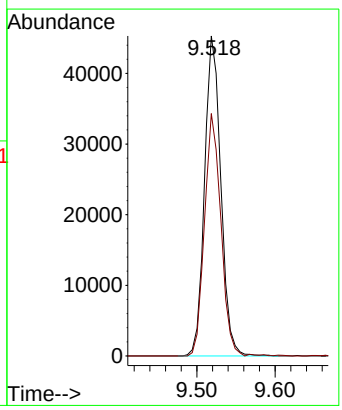


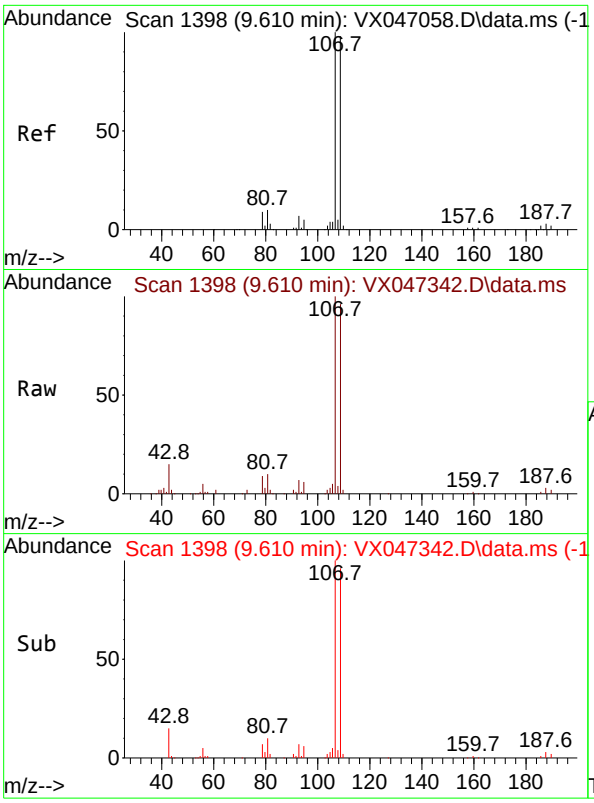


#60
Dibromochloromethane
Concen: 20.162 ug/l
RT: 9.518 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:129 Resp: 65177

Ion	Ratio	Lower	Upper
129	100		
127	76.3	38.6	115.8



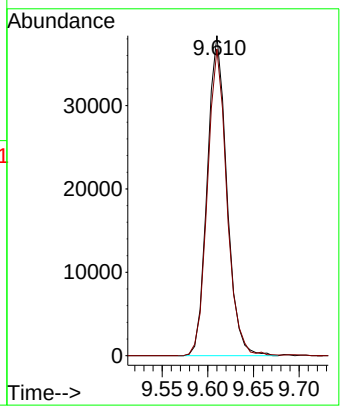


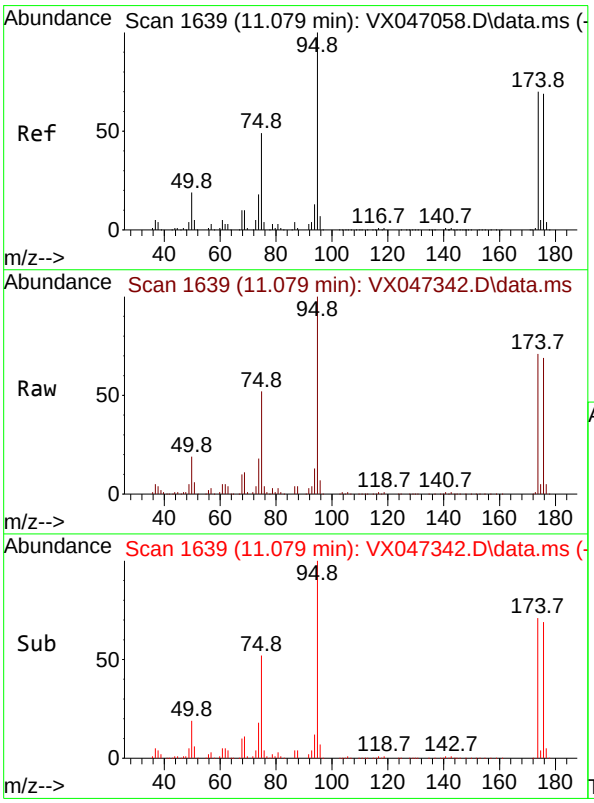
#61
1,2-Dibromoethane
Concen: 19.772 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:107 Resp: 56986

Ion	Ratio	Lower	Upper
107	100		
109	95.4	74.6	112.0

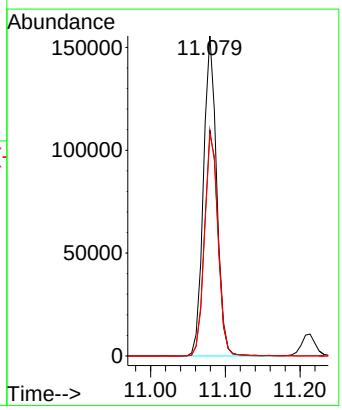


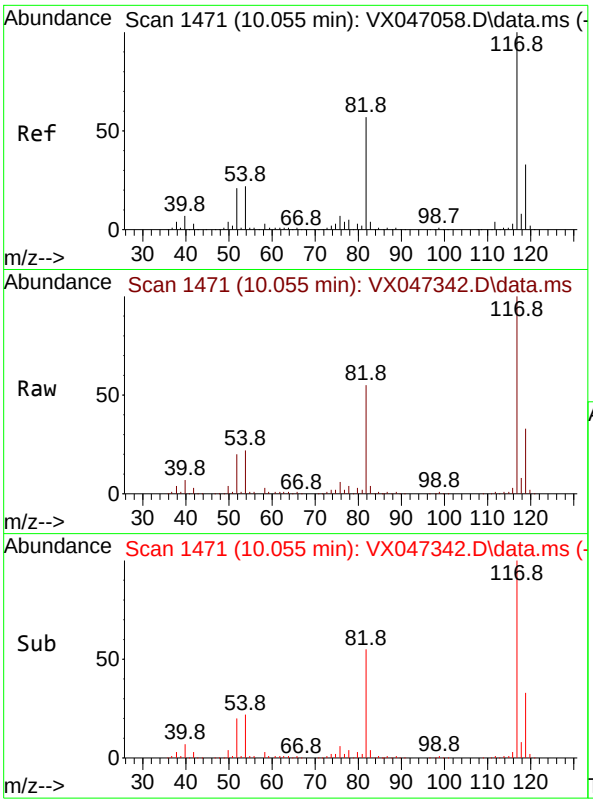


#62
4-Bromofluorobenzene
Concen: 56.162 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 95 Resp: 189921

Ion	Ratio	Lower	Upper
95	100		
174	72.9	0.0	144.6
176	70.8	0.0	139.6



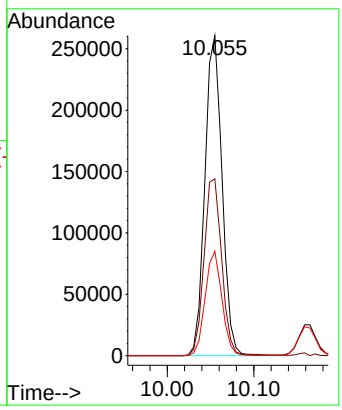


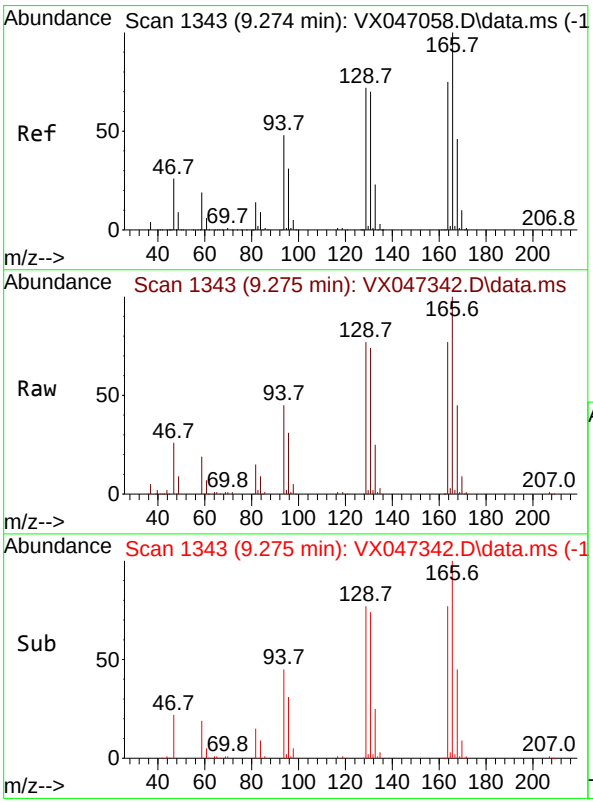
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:117 Resp: 359167

Ion	Ratio	Lower	Upper
117	100		
82	55.2	45.4	68.2
119	32.6	26.1	39.1

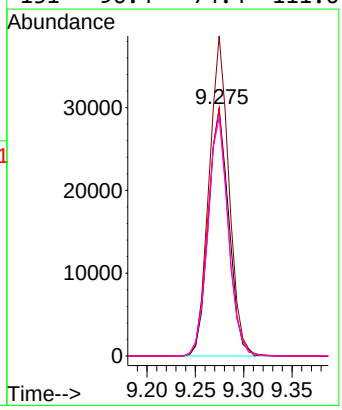


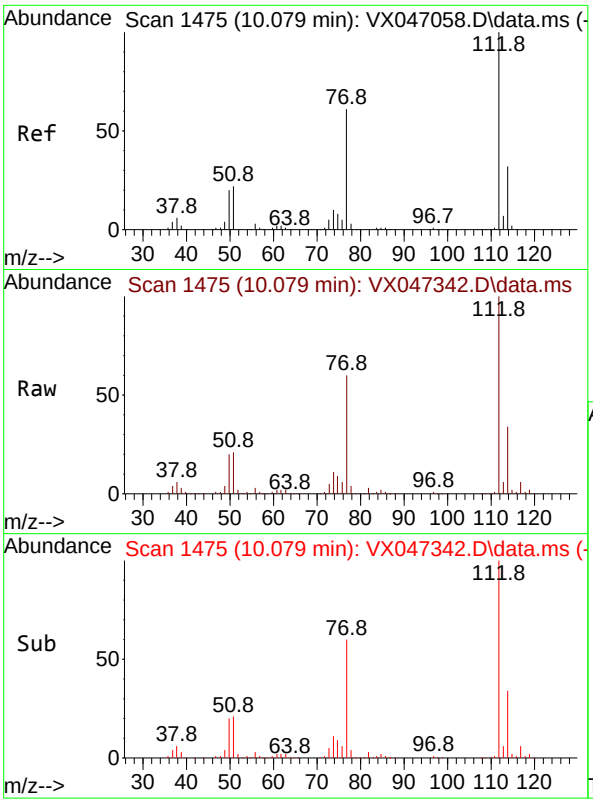


#64
Tetrachloroethene
Concen: 16.937 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:164 Resp: 43853

Ion	Ratio	Lower	Upper
164	100		
166	129.4	106.2	159.4
129	100.3	76.6	114.8
131	96.4	74.4	111.6



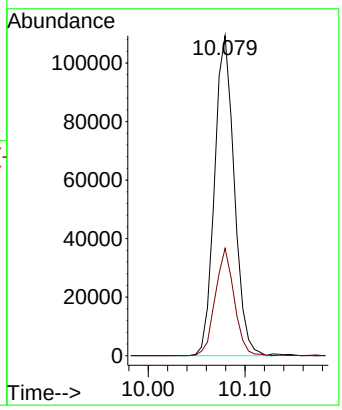


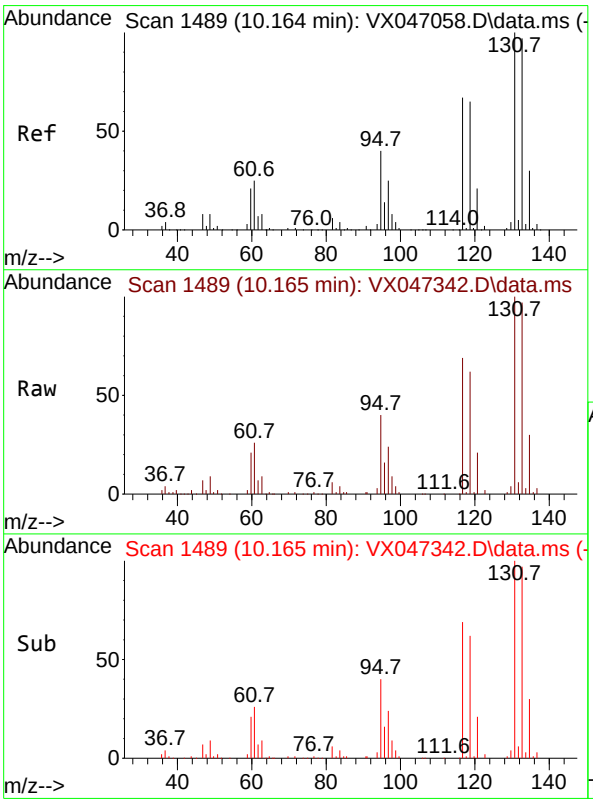
#65
Chlorobenzene
Concen: 18.433 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:112 Resp: 155100

Ion	Ratio	Lower	Upper
112	100		
114	33.5	25.8	38.6

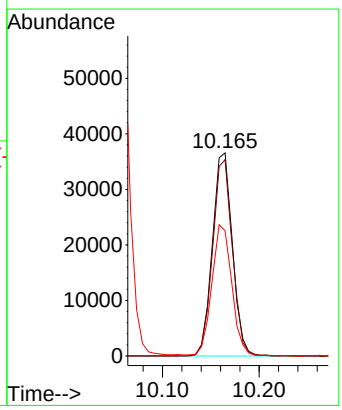


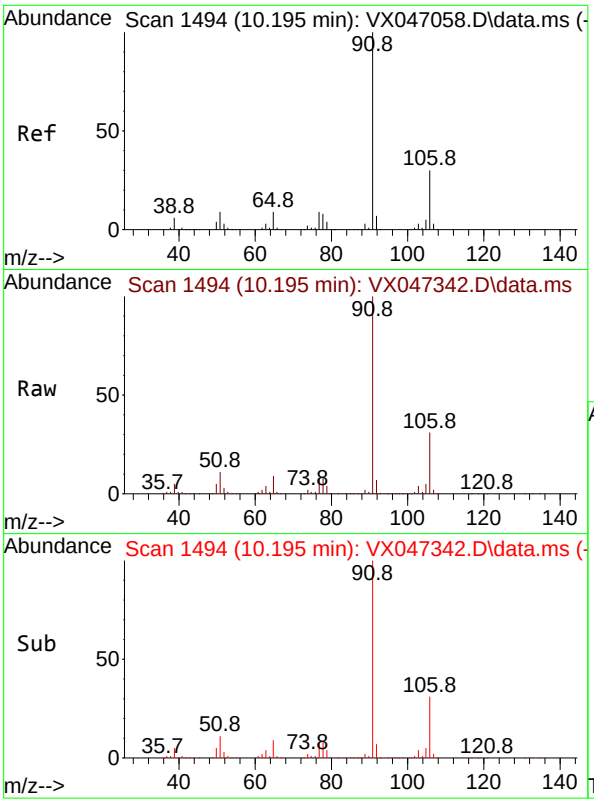


#66
1,1,1,2-Tetrachloroethane
Concen: 18.549 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:131 Resp: 52547

Ion	Ratio	Lower	Upper
131	100		
133	95.3	48.4	145.3
119	64.7	32.4	97.0



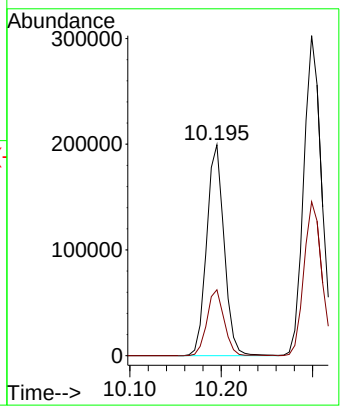


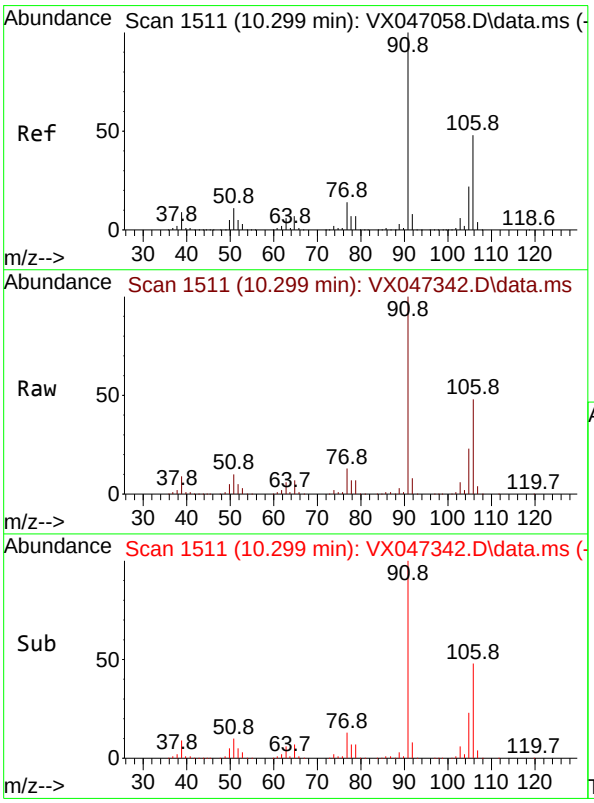
#67
Ethyl Benzene
Concen: 17.940 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 91 Resp: 263929

Ion	Ratio	Lower	Upper
91	100		
106	31.2	24.2	36.4

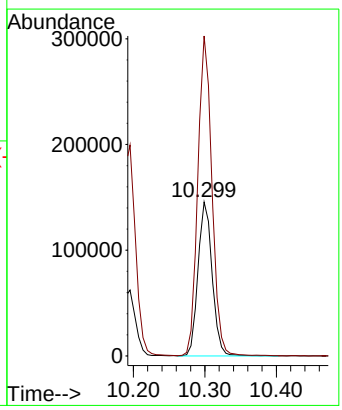


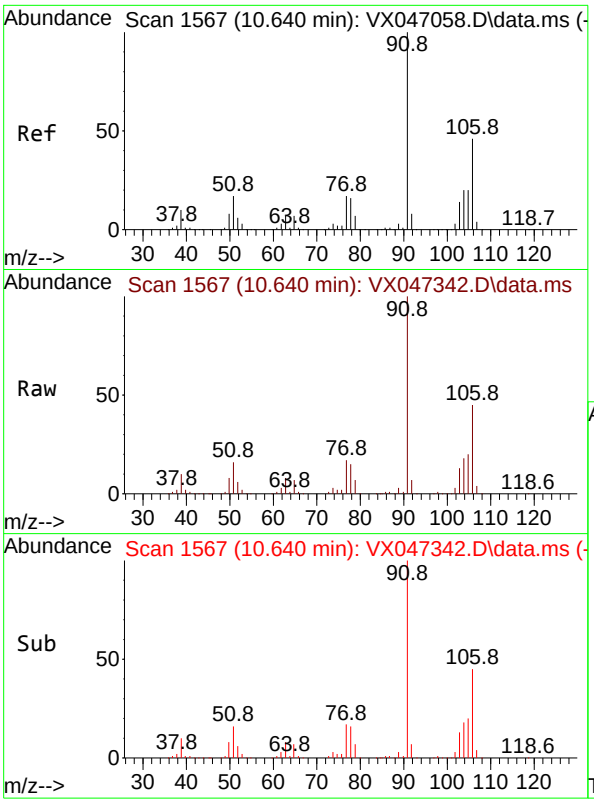


#68
m/p-Xylenes
Concen: 36.350 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:106 Resp: 200119

Ion	Ratio	Lower	Upper
106	100		
91	207.3	167.4	251.0



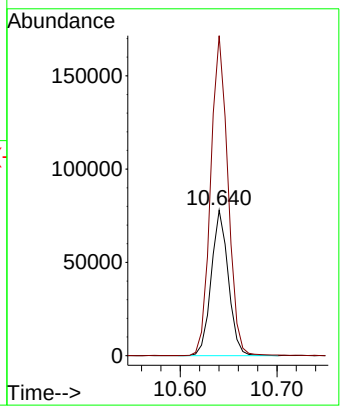


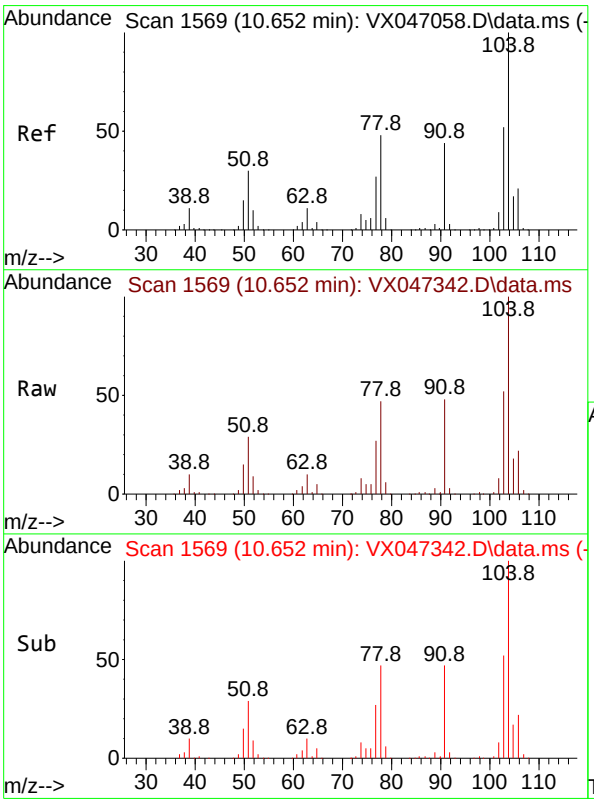
#69
o-Xylene
Concen: 18.235 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:106 Resp: 95502

Ion	Ratio	Lower	Upper
106	100		
91	223.5	110.3	331.0

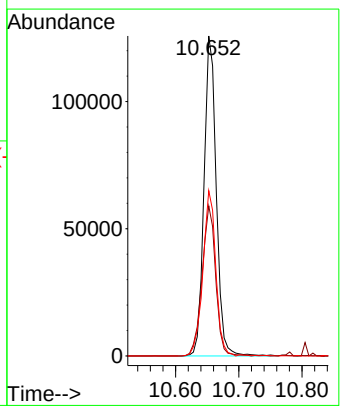


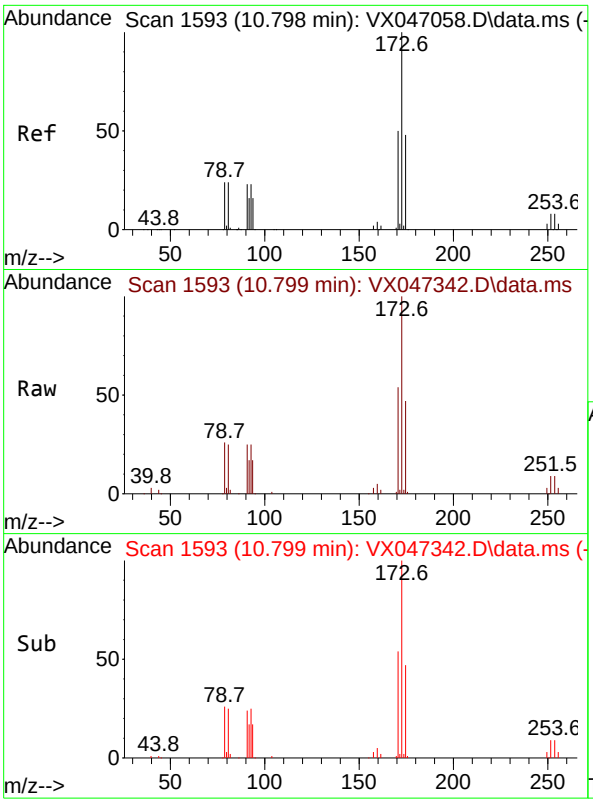


#70
Styrene
Concen: 18.924 ug/l
RT: 10.652 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:104 Resp: 169951

Ion	Ratio	Lower	Upper
104	100		
78	51.9	42.0	63.0
103	54.4	43.8	65.6



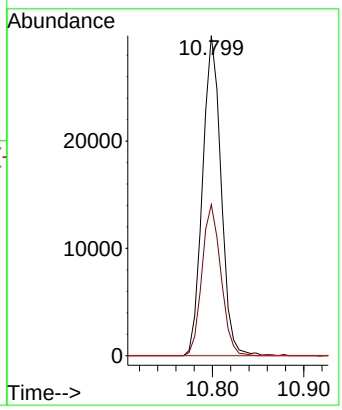


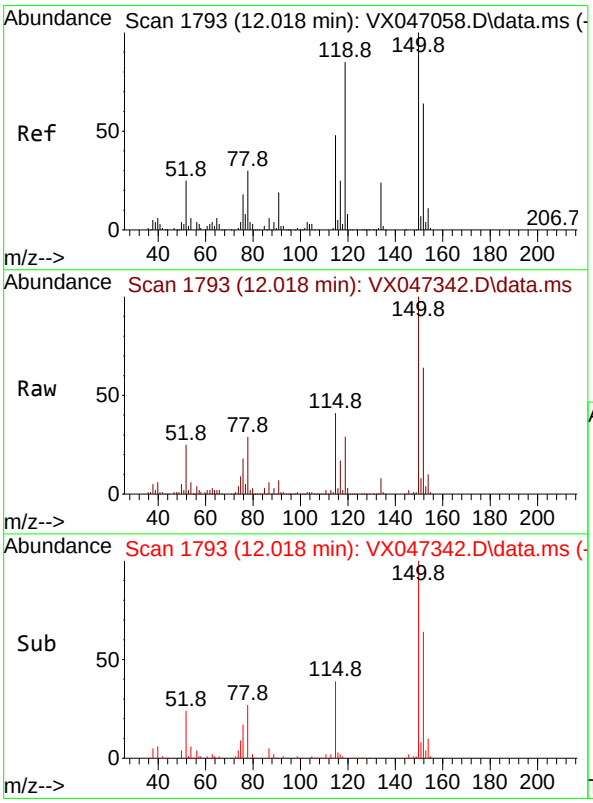
#71
Bromoform
Concen: 19.407 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:173 Resp: 41762

Ion	Ratio	Lower	Upper
173	100		
175	48.3	24.2	72.6
254	0.0	0.1	0.1#

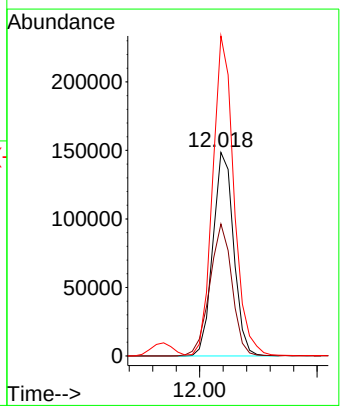


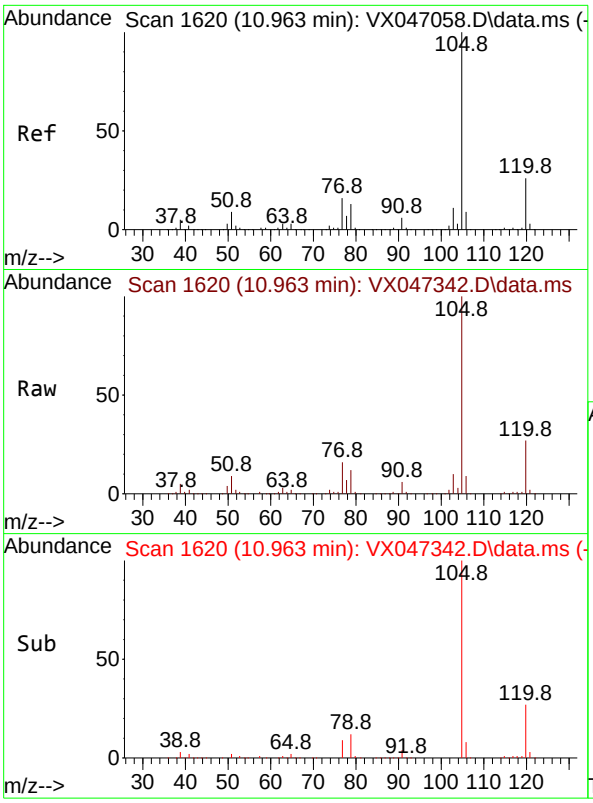


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:152 Resp: 182232

Ion	Ratio	Lower	Upper
152	100		
115	69.5	45.6	136.7
150	161.1	0.0	354.6



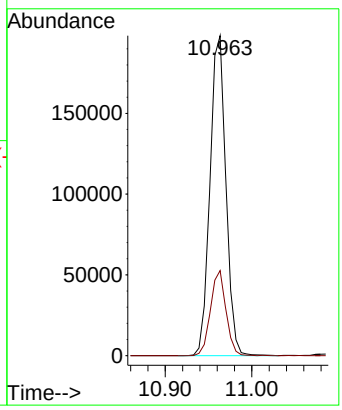


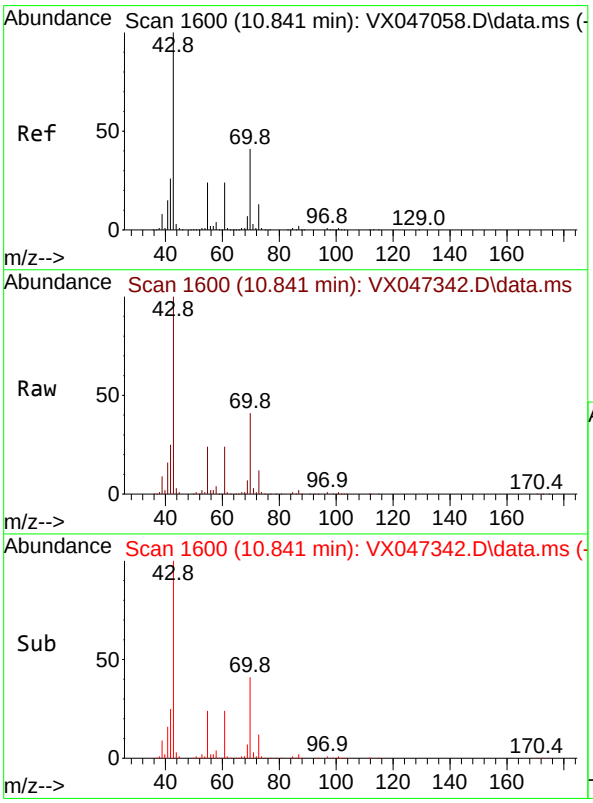
#73
Isopropylbenzene
Concen: 17.571 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:105 Resp: 252611

Ion	Ratio	Lower	Upper
105	100		
120	25.8	12.9	38.7

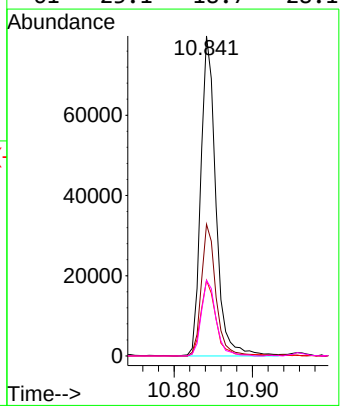


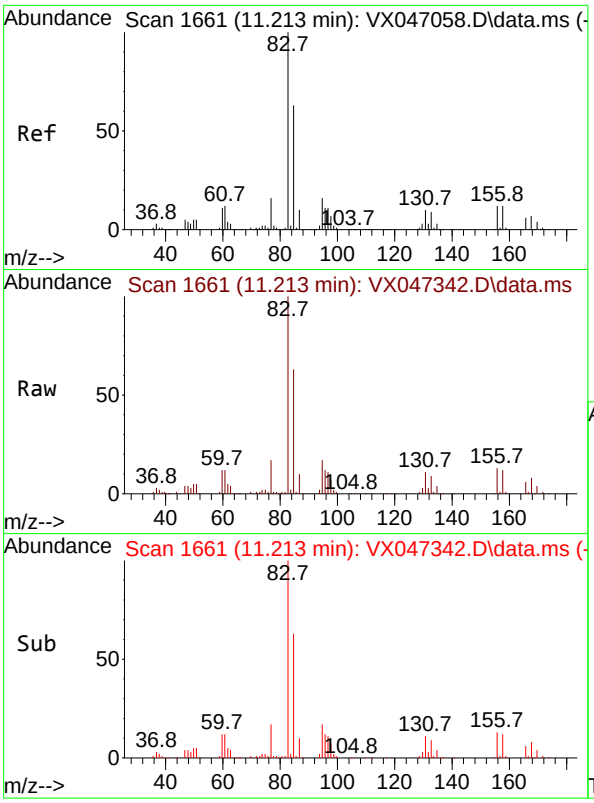


#74
N-amyl acetate
Concen: 18.339 ug/l
RT: 10.841 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 43 Resp: 106383

Ion	Ratio	Lower	Upper
43	100		
70	39.7	32.3	48.5
55	23.9	18.9	28.3
61	23.1	18.7	28.1



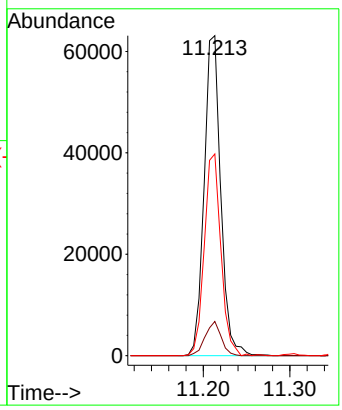


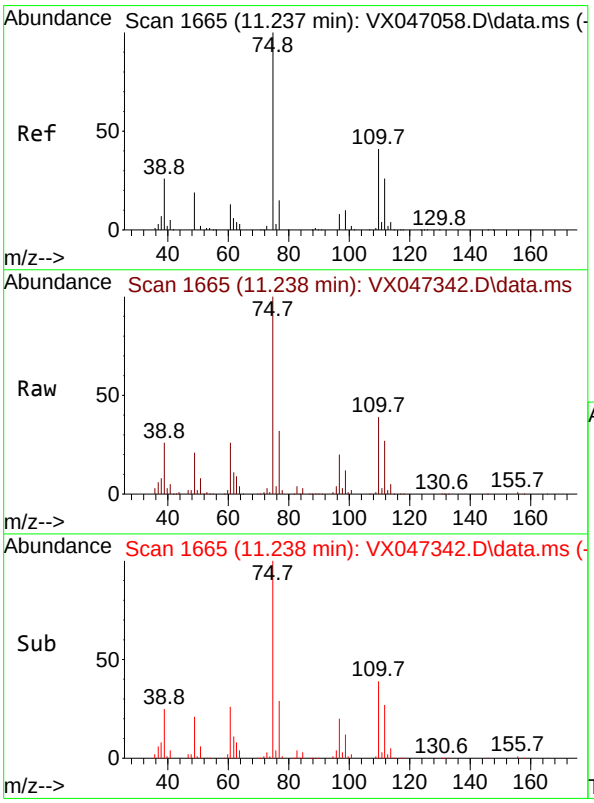
#75
1,1,2,2-Tetrachloroethane
Concen: 20.490 ug/l
RT: 11.213 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 83 Resp: 84148

Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.0	14.9
85	63.1	32.0	96.2

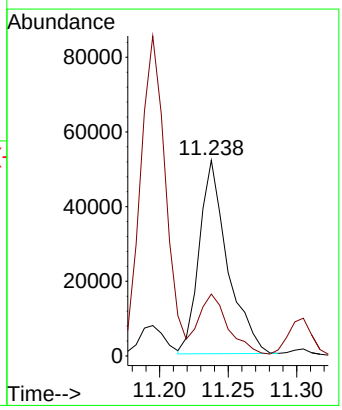


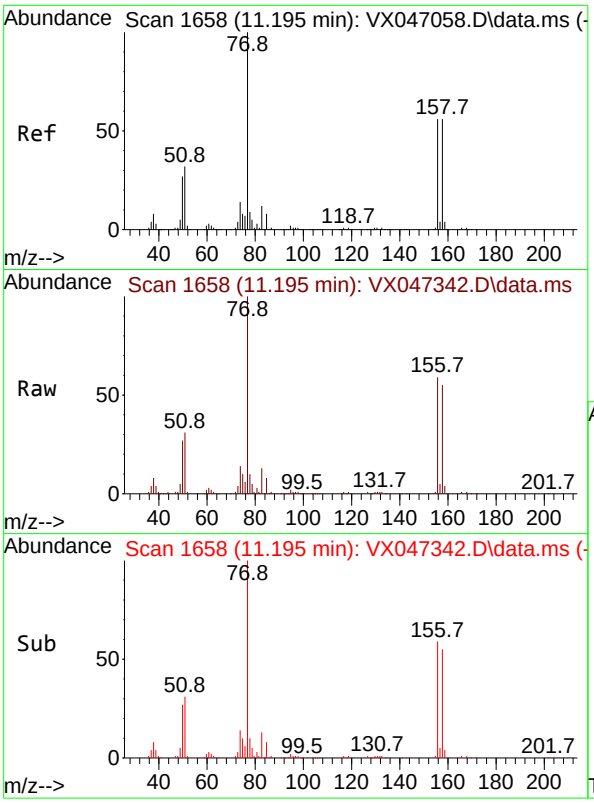


#76
1,2,3-Trichloropropane
Concen: 22.027 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 75 Resp: 74298

Ion	Ratio	Lower	Upper
75	100		
77	34.2	21.6	65.0



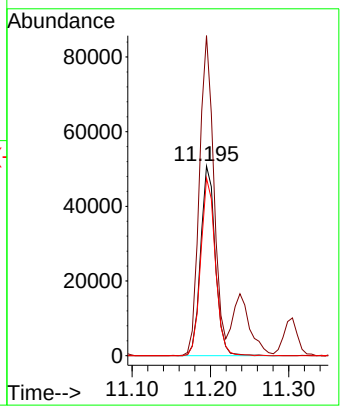


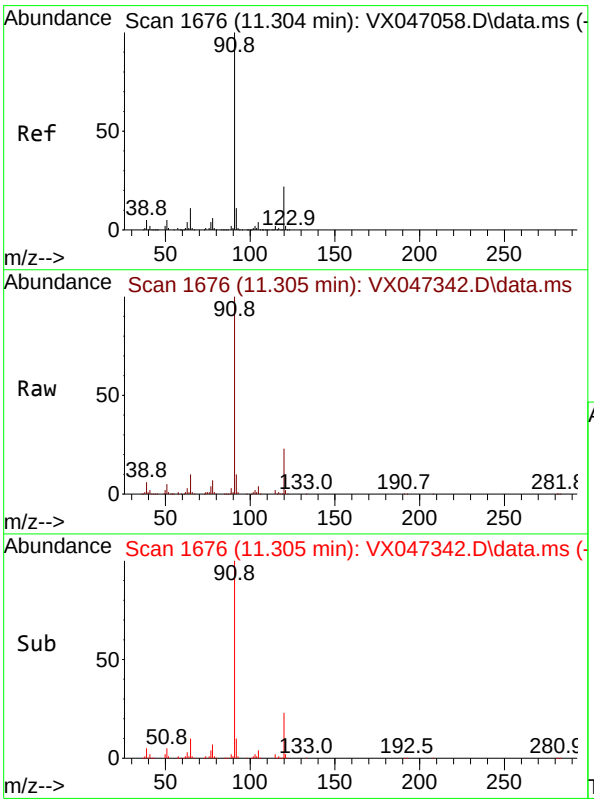
#77
Bromobenzene
Concen: 19.038 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:156 Resp: 65650

Ion	Ratio	Lower	Upper
156	100		
77	167.1	87.3	261.9
158	93.8	48.9	146.6

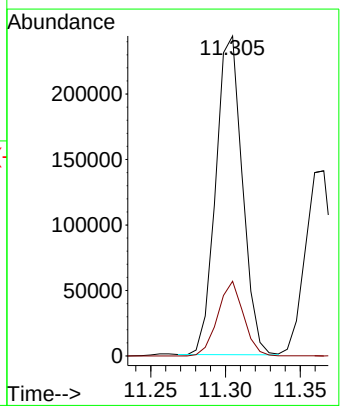


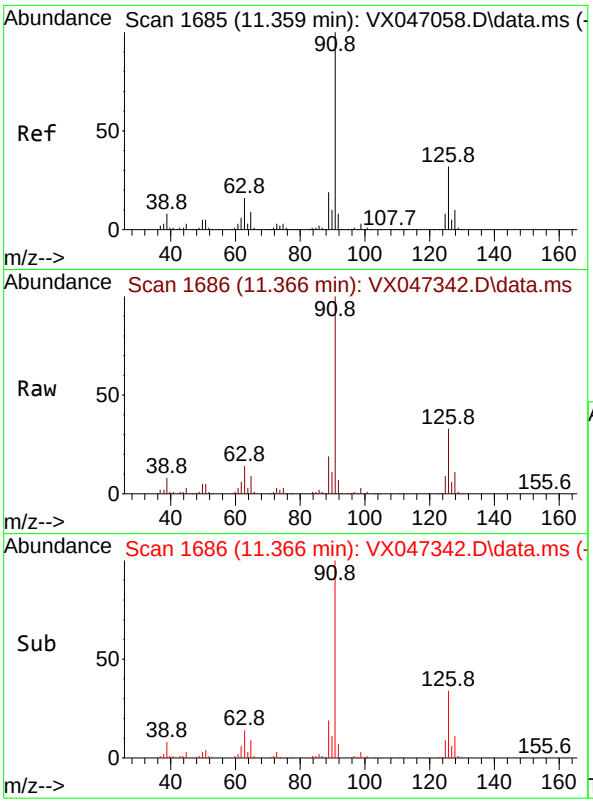


#78
n-propylbenzene
Concen: 17.479 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 91 Resp: 300287

Ion	Ratio	Lower	Upper
91	100		
120	22.8	11.0	33.0



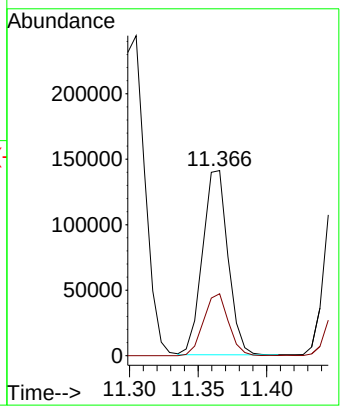


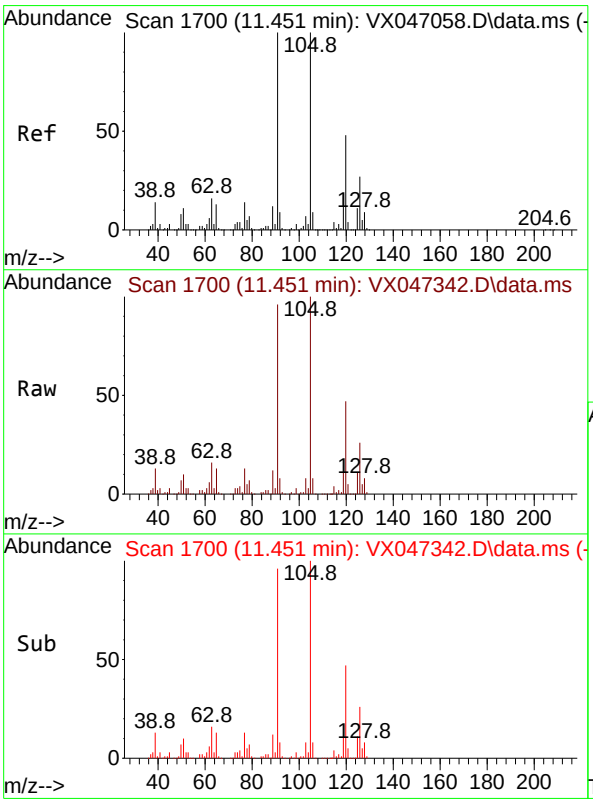
#79
2-Chlorotoluene
Concen: 17.757 ug/l
RT: 11.366 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 91 Resp: 182362

Ion	Ratio	Lower	Upper
91	100		
126	33.0	16.4	49.4

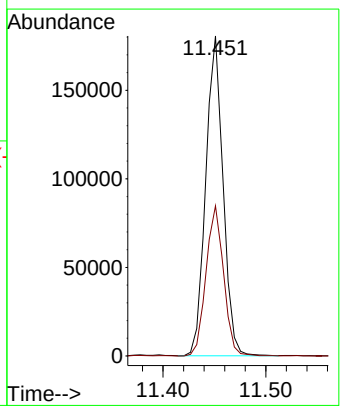


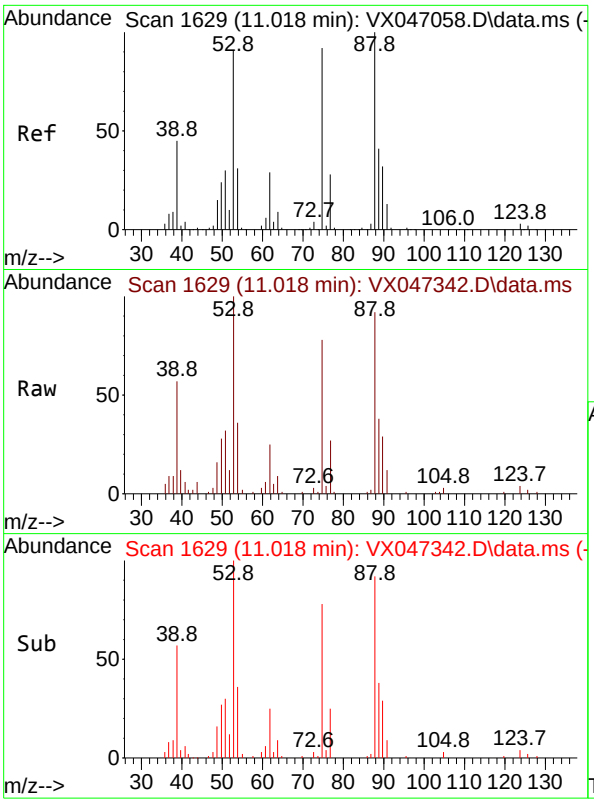


#80
1,3,5-Trimethylbenzene
Concen: 17.834 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:105 Resp: 211824

Ion	Ratio	Lower	Upper
105	100		
120	47.7	23.8	71.5



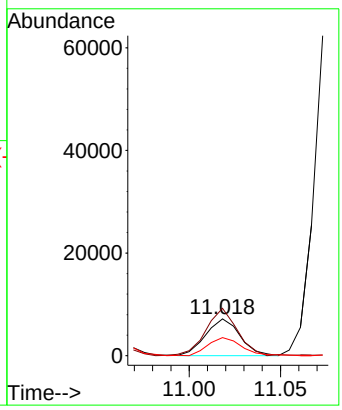


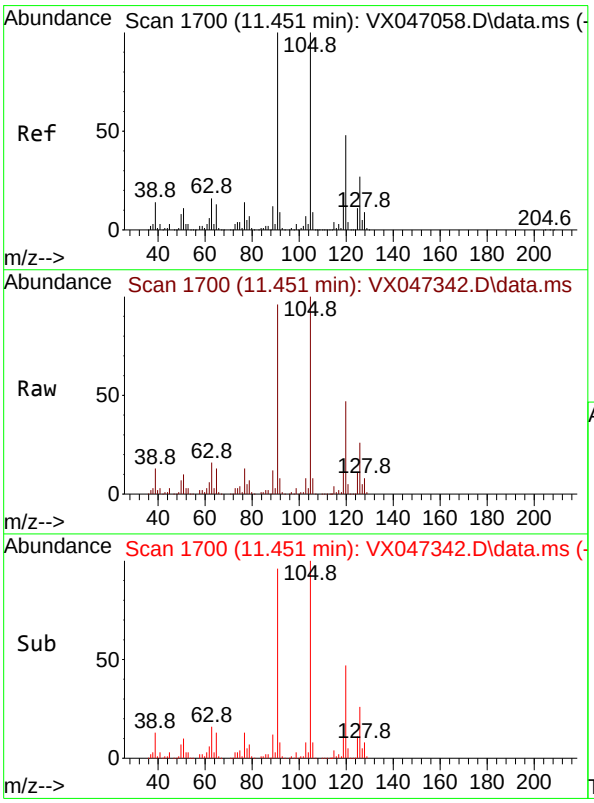
#81
trans-1,4-Dichloro-2-butene
Concen: 7.149 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 75 Resp: 9359

Ion	Ratio	Lower	Upper
75	100		
53	120.3	84.2	126.4
89	48.3	36.0	54.0

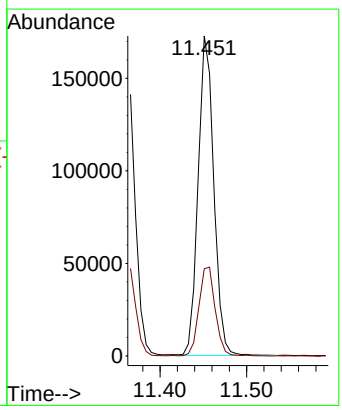


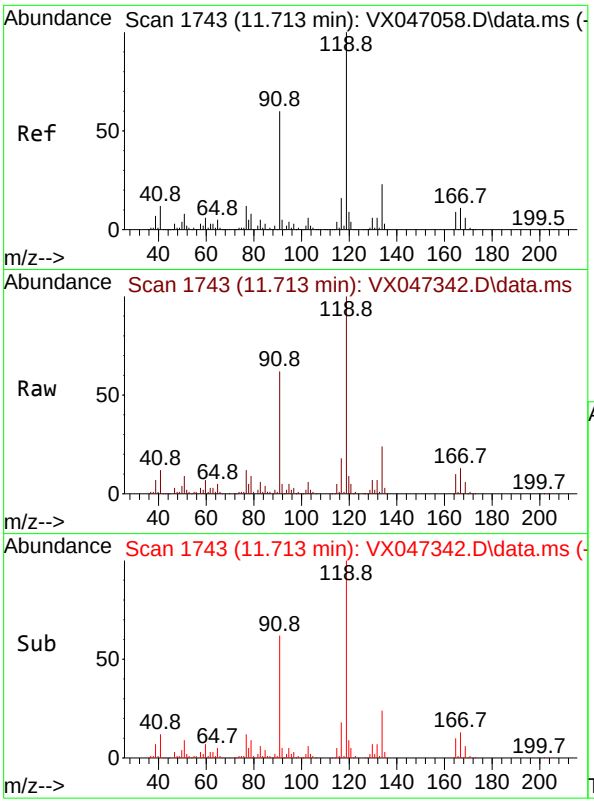


#82
4-Chlorotoluene
Concen: 18.113 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 91 Resp: 217124

Ion	Ratio	Lower	Upper
91	100		
126	29.1	14.1	42.3



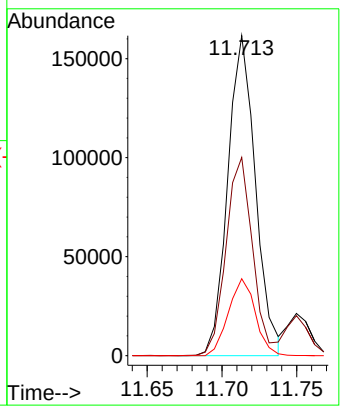


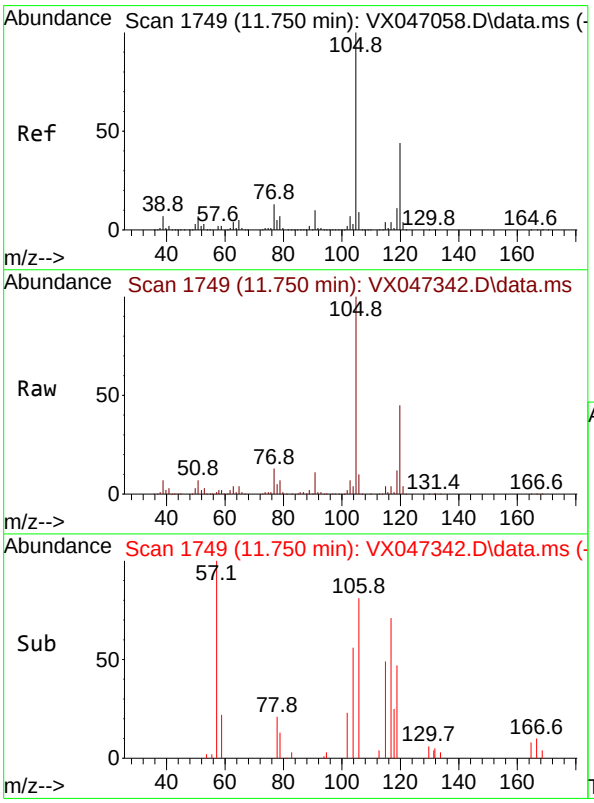
#83
tert-Butylbenzene
Concen: 17.471 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:119 Resp: 208282

Ion	Ratio	Lower	Upper
119	100		
91	60.1	29.6	88.8
134	23.4	11.4	34.1

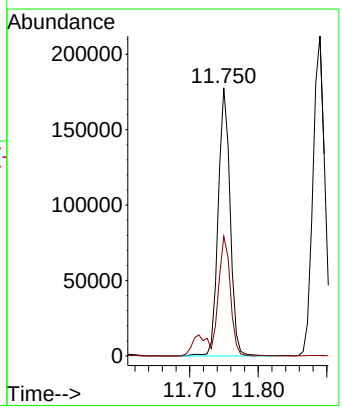


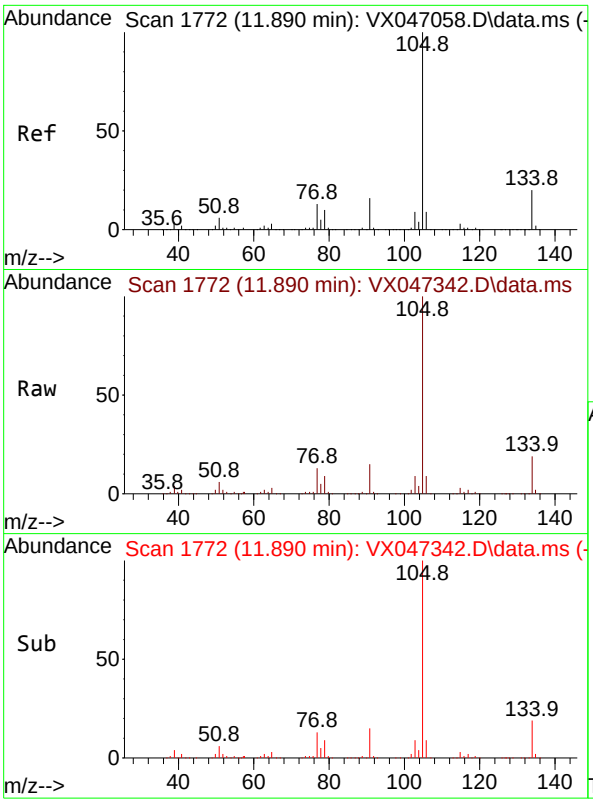


#84
1,2,4-Trimethylbenzene
Concen: 17.974 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:105 Resp: 212939

Ion	Ratio	Lower	Upper
105	100		
120	43.6	22.0	66.0



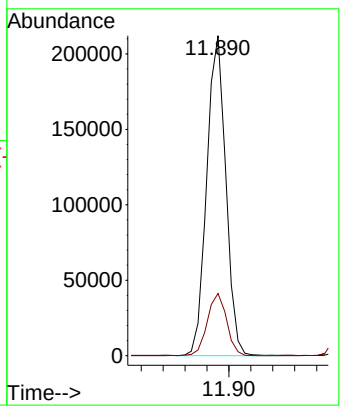


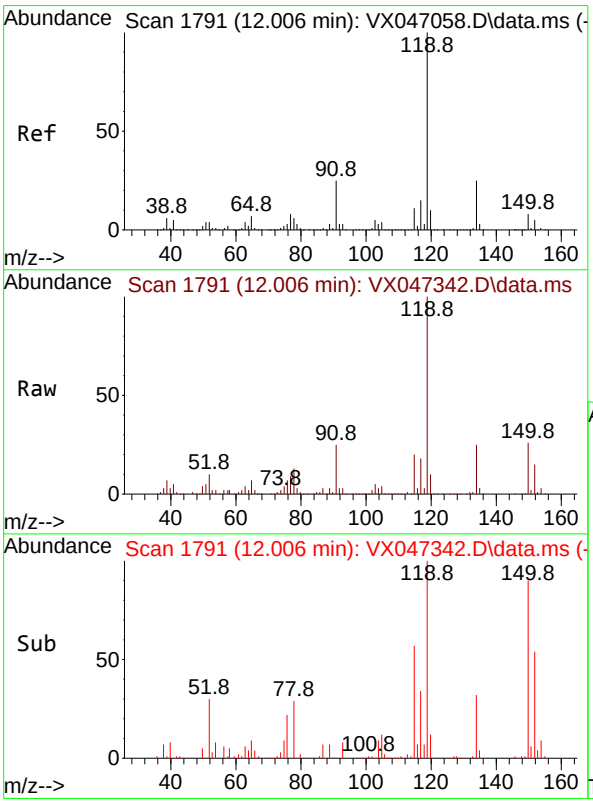
#85
sec-Butylbenzene
Concen: 17.205 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:105 Resp: 256279

Ion	Ratio	Lower	Upper
105	100		
134	19.7	9.9	29.7

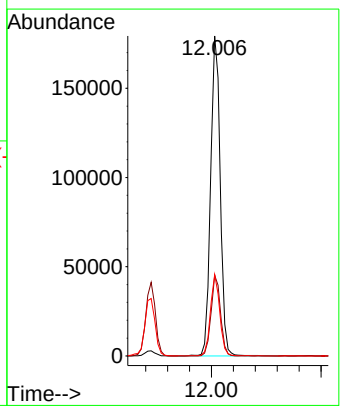


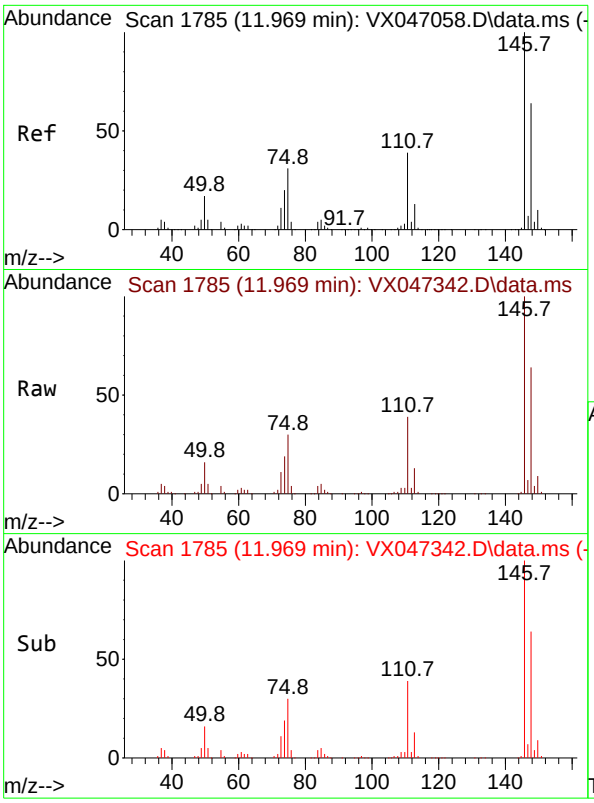


#86
p-Isopropyltoluene
Concen: 17.569 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:119 Resp: 217017

Ion	Ratio	Lower	Upper
119	100		
134	24.8	12.8	38.4
91	24.6	12.4	37.4



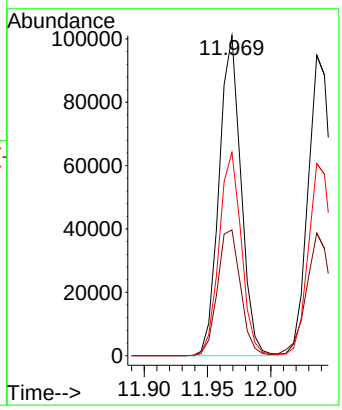


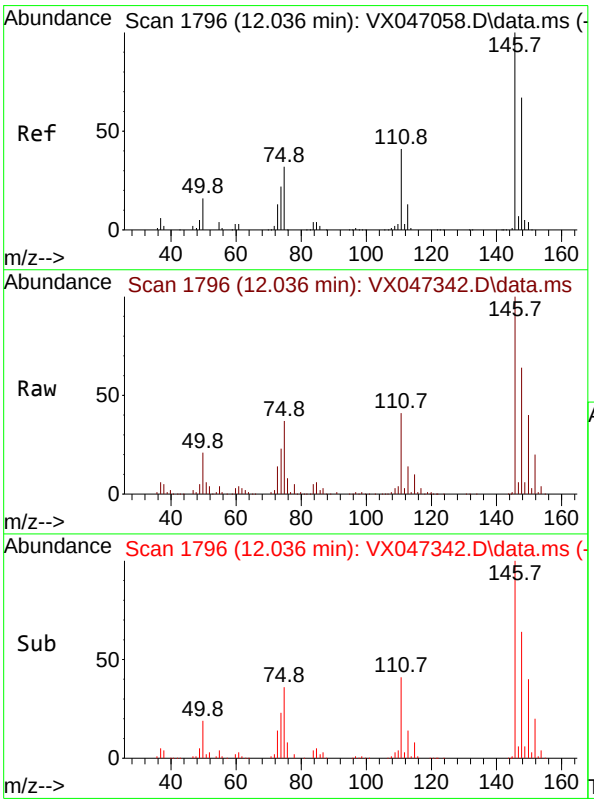
#87
1,3-Dichlorobenzene
Concen: 18.574 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:146 Resp: 121700

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.0	63.0
148	64.5	32.0	96.0

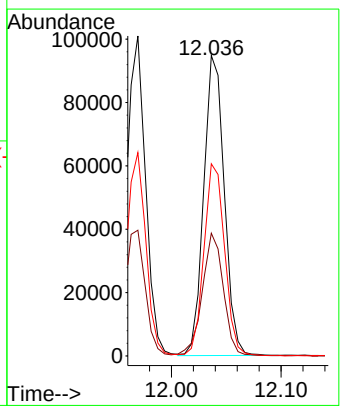


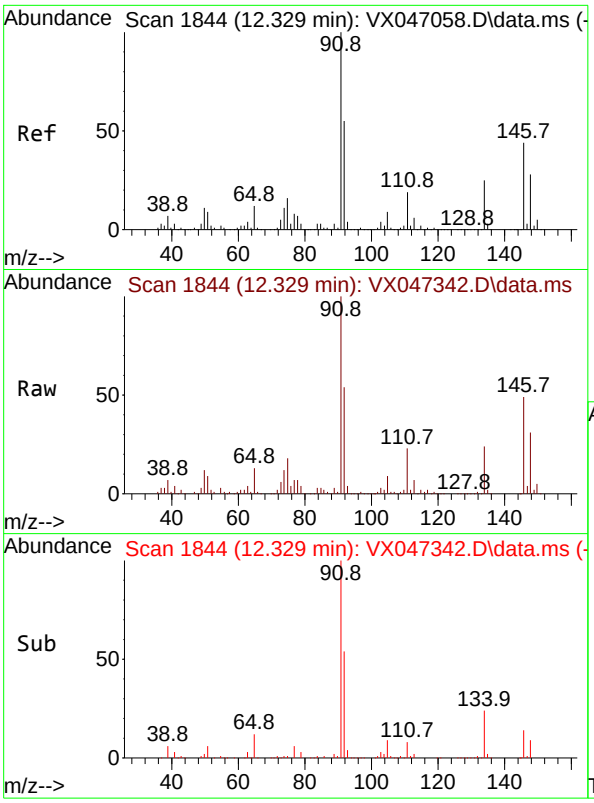


#88
1,4-Dichlorobenzene
Concen: 18.580 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:146 Resp: 123336

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.6	61.9
148	64.9	33.0	98.9



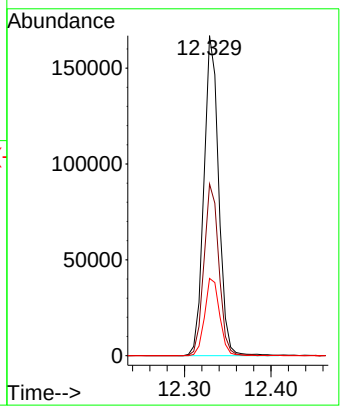


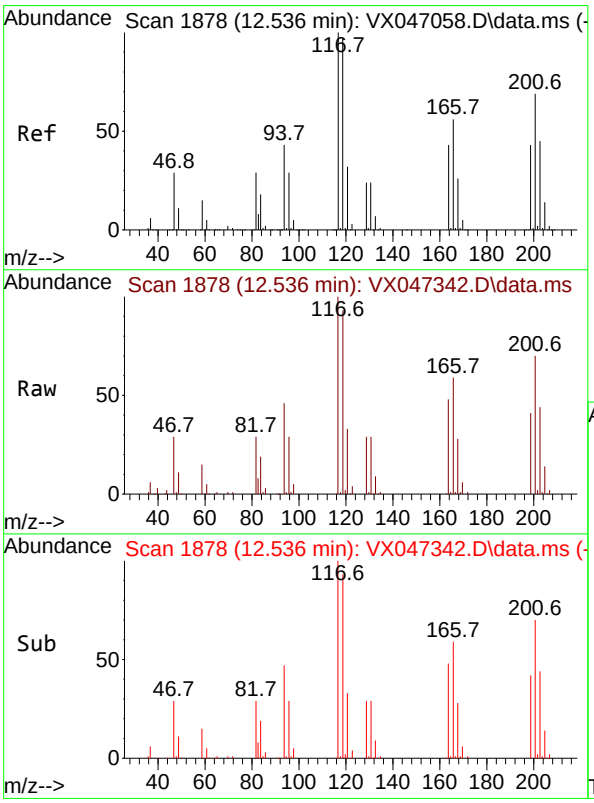
#89
n-Butylbenzene
Concen: 17.053 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion: 91 Resp: 197544

Ion	Ratio	Lower	Upper
91	100		
92	54.1	27.5	82.5
134	24.5	12.8	38.3

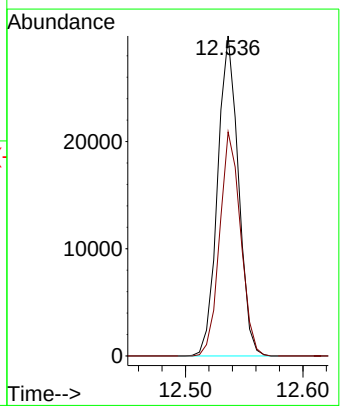


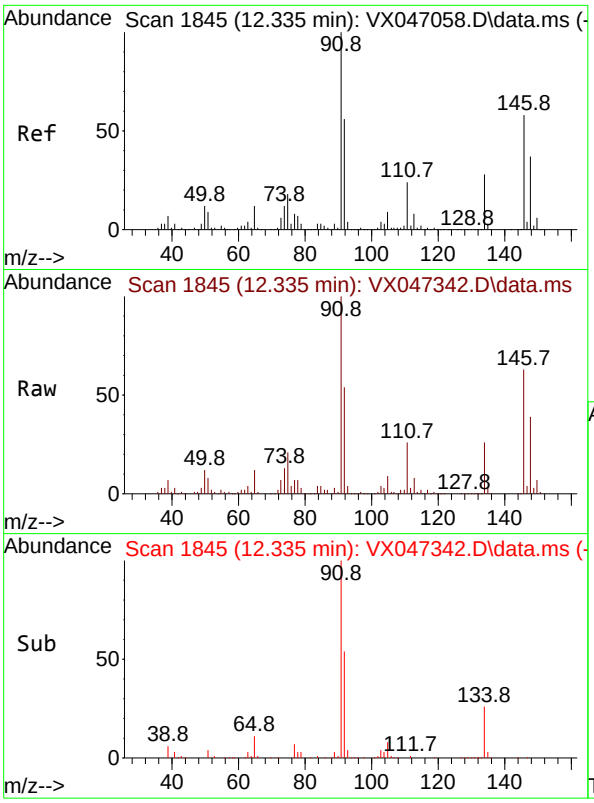


#90
Hexachloroethane
Concen: 16.604 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:117 Resp: 36692

Ion	Ratio	Lower	Upper
117	100		
201	70.4	34.8	104.5



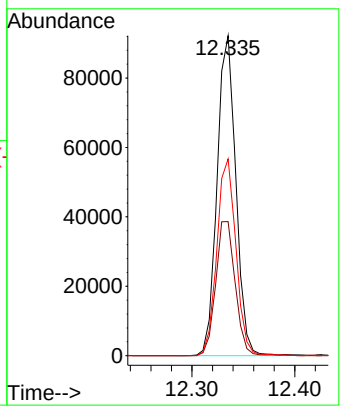


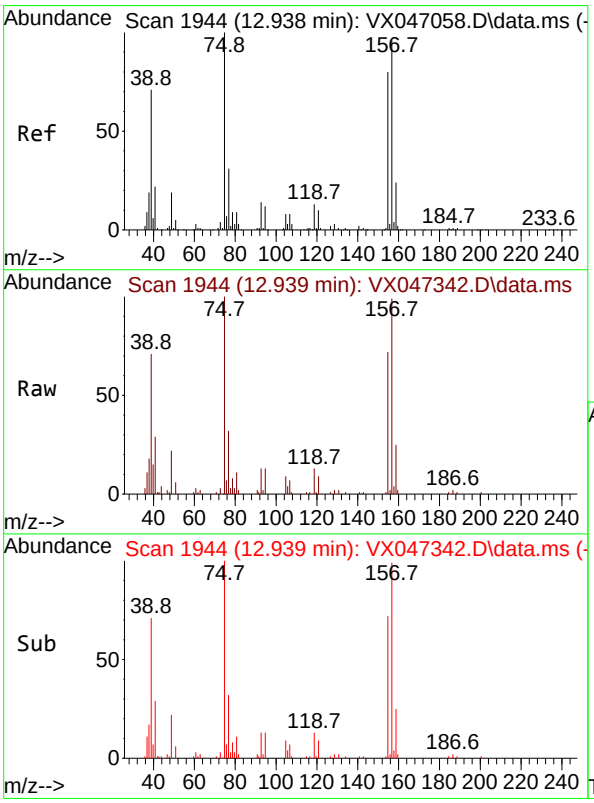
#91
1,2-Dichlorobenzene
Concen: 18.618 ug/l
RT: 12.335 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:146 Resp: 116591

Ion	Ratio	Lower	Upper
146	100		
111	43.8	21.6	64.6
148	62.6	31.9	95.7

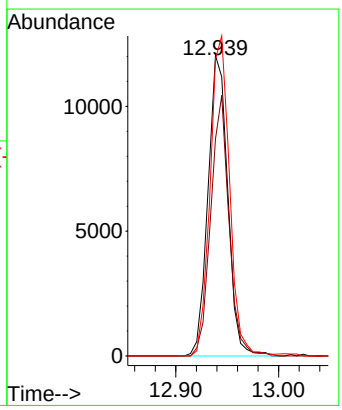


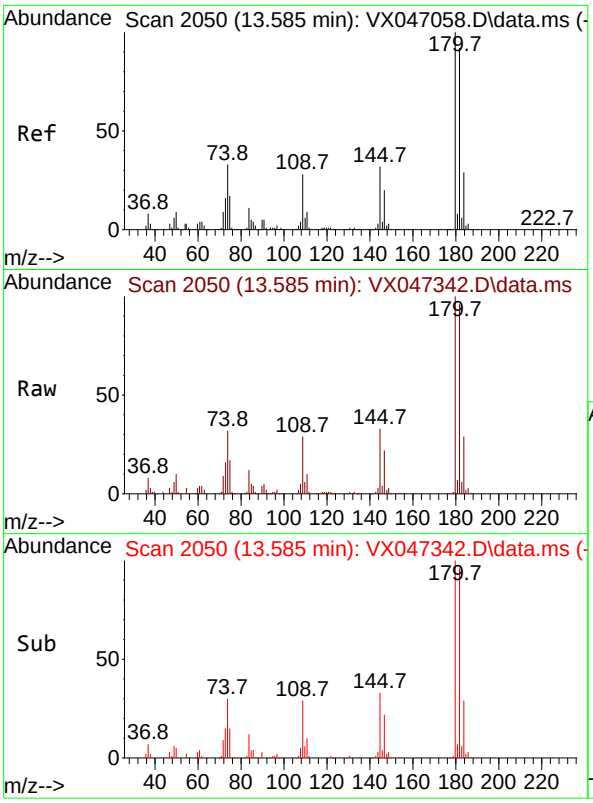


#92
1,2-Dibromo-3-Chloropropane
Concen: 20.400 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion: 75 Resp: 16081

Ion	Ratio	Lower	Upper
75	100		
155	80.1	41.3	124.1
157	104.8	52.8	158.3



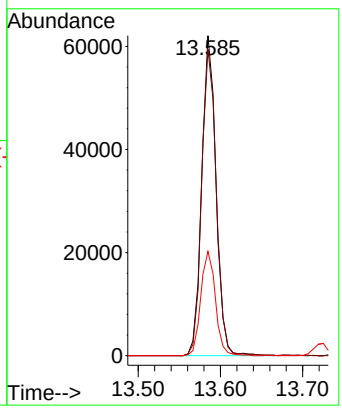


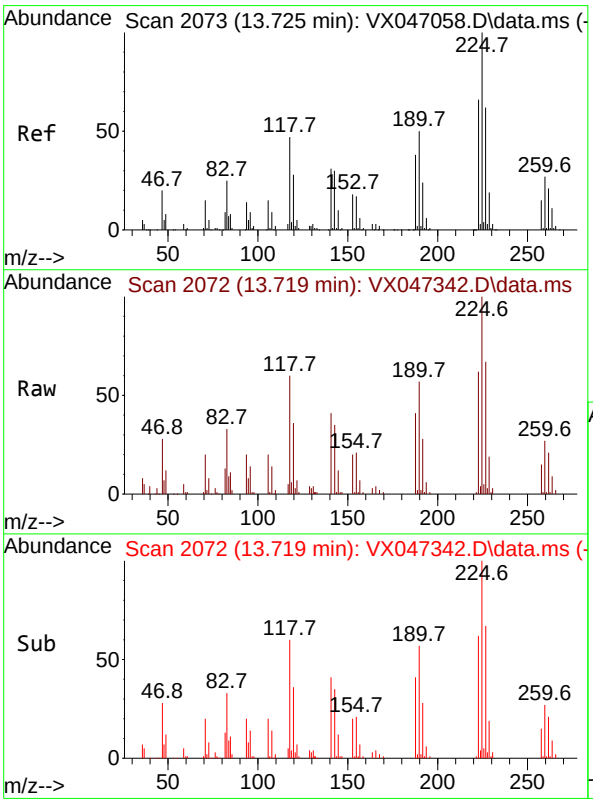
#93
1,2,4-Trichlorobenzene
Concen: 18.116 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:180 Resp: 74955

Ion	Ratio	Lower	Upper
180	100		
182	97.7	47.3	141.8
145	33.4	16.4	49.1

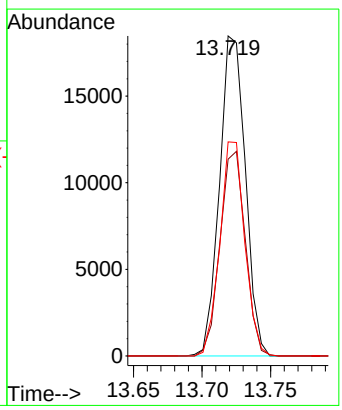


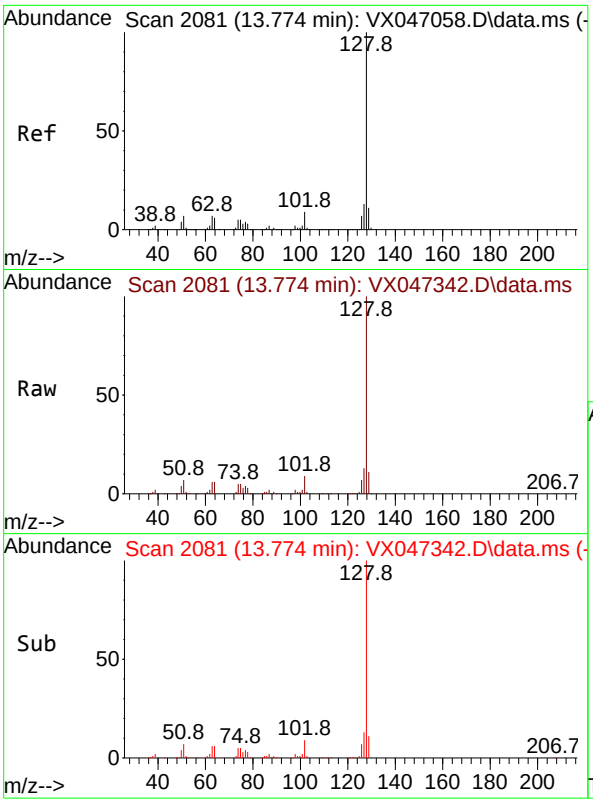


#94
Hexachlorobutadiene
Concen: 17.208 ug/l
RT: 13.719 min Scan# 2072
Delta R.T. -0.006 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:225 Resp: 24213

Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.6	95.0
227	64.5	32.9	98.6



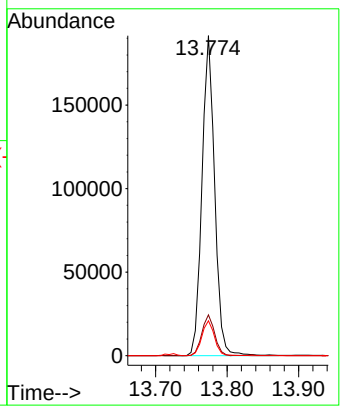


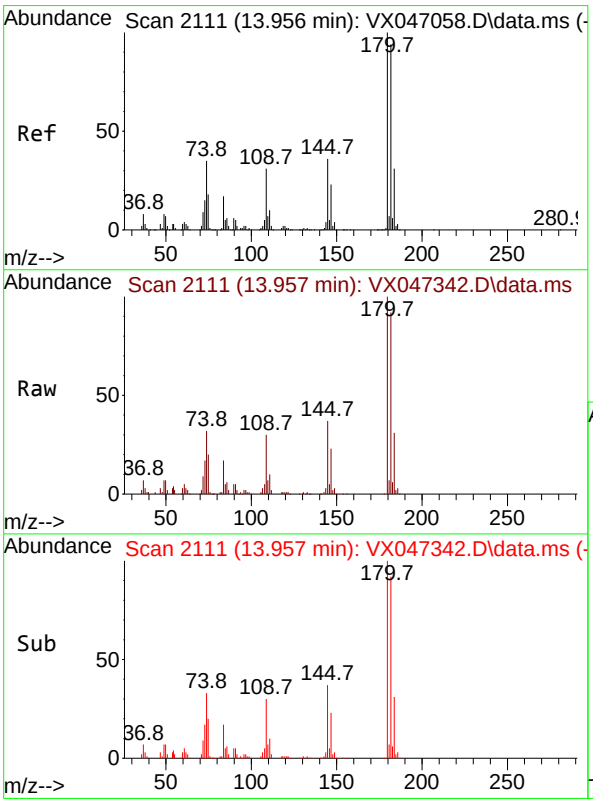
#95
Naphthalene
Concen: 19.417 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Instrument :
MSVOA_X
ClientSampleId :
VX0814WBS02

Tgt Ion:128 Resp: 235518

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.9	8.6	13.0

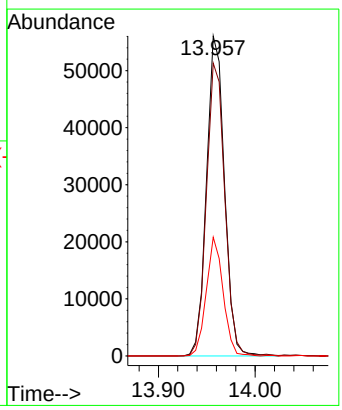




#96
1,2,3-Trichlorobenzene
Concen: 18.180 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047342.D
Acq: 14 Aug 2025 16:15

Tgt Ion:180 Resp: 72465

Ion	Ratio	Lower	Upper
180	100		
182	93.9	46.9	140.6
145	34.9	17.3	52.0



Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	208278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	371282	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	345833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	173101	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	142035	54.745	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 109.480%			
35) Dibromofluoromethane	5.404	113	108232	47.213	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.420%			
50) Toluene-d8	8.653	98	367633	49.520	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 99.040%			
62) 4-Bromofluorobenzene	11.079	95	144917	45.296	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 90.600%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	123251	44.552	ug/l	99
3) Chloromethane	1.313	50	116779	42.674	ug/l	98
4) Vinyl Chloride	1.392	62	132946	45.194	ug/l #	65
5) Bromomethane	1.624	94	56141	35.133	ug/l	96
6) Chloroethane	1.703	64	95172	49.260	ug/l	98
7) Trichlorofluoromethane	1.904	101	195362	44.538	ug/l	99
8) Diethyl Ether	2.148	74	77456	50.082	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	114394	43.287	ug/l	99
10) Methyl Iodide	2.471	142	191452	71.083	ug/l	99
11) Tert butyl alcohol	2.965	59	86587	287.013	ug/l	99
12) 1,1-Dichloroethene	2.337	96	120541	46.053	ug/l	98
13) Acrolein	2.252	56	150549	269.492	ug/l	100
14) Allyl chloride	2.684	41	216535	45.765	ug/l	97
15) Acrylonitrile	3.087	53	347215	280.605	ug/l	99
16) Acetone	2.392	43	285180	274.381	ug/l	99
17) Carbon Disulfide	2.532	76	324913	42.909	ug/l	99
18) Methyl Acetate	2.715	43	180663	65.409	ug/l	99
19) Methyl tert-butyl Ether	3.130	73	415516	52.161	ug/l	98
20) Methylene Chloride	2.806	84	140906	49.279	ug/l	99
21) trans-1,2-Dichloroethene	3.111	96	127056	47.436	ug/l	97
22) Diisopropyl ether	3.776	45	468017	51.450	ug/l	100
23) Vinyl Acetate	3.739	43	1949875	267.249	ug/l	99
24) 1,1-Dichloroethane	3.629	63	245858	48.604	ug/l	99
25) 2-Butanone	4.568	43	400945	264.931	ug/l	100
26) 2,2-Dichloropropane	4.495	77	179072	45.732	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	155444	49.009	ug/l	98
28) Bromochloromethane	4.910	49	119086	51.172	ug/l	98
29) Tetrahydrofuran	5.026	42	266756	273.186	ug/l	98
30) Chloroform	5.111	83	257758	50.059	ug/l	98
31) Cyclohexane	5.483	56	194284	40.057	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	208412	46.599	ug/l	99
36) 1,1-Dichloropropene	5.708	75	159206	40.742	ug/l	99
37) Ethyl Acetate	4.727	43	203572	56.537	ug/l	96
38) Carbon Tetrachloride	5.696	117	181954	43.627	ug/l	95
39) Methylcyclohexane	7.391	83	186724	38.272	ug/l	97
40) Benzene	6.050	78	523138	46.260	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.946	41	91974	48.853	ug/l	#	93
42) 1,2-Dichloroethane	6.098	62	194195	48.749	ug/l		98
43) Isopropyl Acetate	6.348	43	300019	53.447	ug/l		99
44) Trichloroethene	7.135	130	127653	44.020	ug/l		99
45) 1,2-Dichloropropane	7.440	63	134112	47.350	ug/l		99
46) Dibromomethane	7.586	93	101916	51.312	ug/l		99
47) Bromodichloromethane	7.824	83	203387	48.109	ug/l		100
48) Methyl methacrylate	7.696	41	153774	50.286	ug/l		99
49) 1,4-Dioxane	7.678	88	33750	970.369	ug/l		95
51) 4-Methyl-2-Pentanone	8.574	43	912658	273.536	ug/l		100
52) Toluene	8.720	92	320957	46.158	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	188226	47.148	ug/l		96
54) cis-1,3-Dichloropropene	8.372	75	203618	46.601	ug/l		96
55) 1,1,2-Trichloroethane	9.153	97	132472	50.800	ug/l		98
56) Ethyl methacrylate	9.116	69	206281	53.433	ug/l		99
57) 1,3-Dichloropropane	9.311	76	222657	49.129	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	469143	218.383	ug/l		100
59) 2-Hexanone	9.433	43	642479	291.456	ug/l		100
60) Dibromochloromethane	9.519	129	151761	49.621	ug/l		99
61) 1,2-Dibromoethane	9.610	107	135649	49.748	ug/l		100
64) Tetrachloroethene	9.275	164	103393	41.472	ug/l		95
65) Chlorobenzene	10.079	112	362501	44.744	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.165	131	125458	45.994	ug/l		100
67) Ethyl Benzene	10.195	91	617847	43.616	ug/l		99
68) m/p-Xylenes	10.299	106	464984	87.716	ug/l		99
69) o-Xylene	10.640	106	228871	45.384	ug/l		98
70) Styrene	10.653	104	394790	45.654	ug/l		99
71) Bromoform	10.799	173	100790	48.644	ug/l		99
73) Isopropylbenzene	10.963	105	583129	42.699	ug/l		99
74) N-amyl acetate	10.842	43	256809	46.606	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	191907	49.195	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	180033	56.190	ug/l		84
77) Bromobenzene	11.195	156	145093	44.295	ug/l		99
78) n-propylbenzene	11.305	91	691822	42.392	ug/l		99
79) 2-Chlorotoluene	11.360	91	423456	43.408	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	484950	42.983	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	24849	19.981	ug/l		94
82) 4-Chlorotoluene	11.451	91	495295	43.498	ug/l		99
83) tert-Butylbenzene	11.713	119	486511	42.963	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	488683	43.425	ug/l		99
85) sec-Butylbenzene	11.890	105	588721	41.609	ug/l		100
86) p-Isopropyltoluene	12.006	119	488762	41.656	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	270585	43.475	ug/l		100
88) 1,4-Dichlorobenzene	12.036	146	273360	43.352	ug/l		98
89) n-Butylbenzene	12.329	91	455867	41.429	ug/l		99
90) Hexachloroethane	12.536	117	85939	40.942	ug/l		99
91) 1,2-Dichlorobenzene	12.329	146	263855	44.357	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	39520	52.778	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	175152	44.566	ug/l		99
94) Hexachlorobutadiene	13.725	225	56237	42.074	ug/l		97
95) Naphthalene	13.774	128	567289	49.237	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	168173	44.417	ug/l		98

Quantitation Report (Not Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX081425\
Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration

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

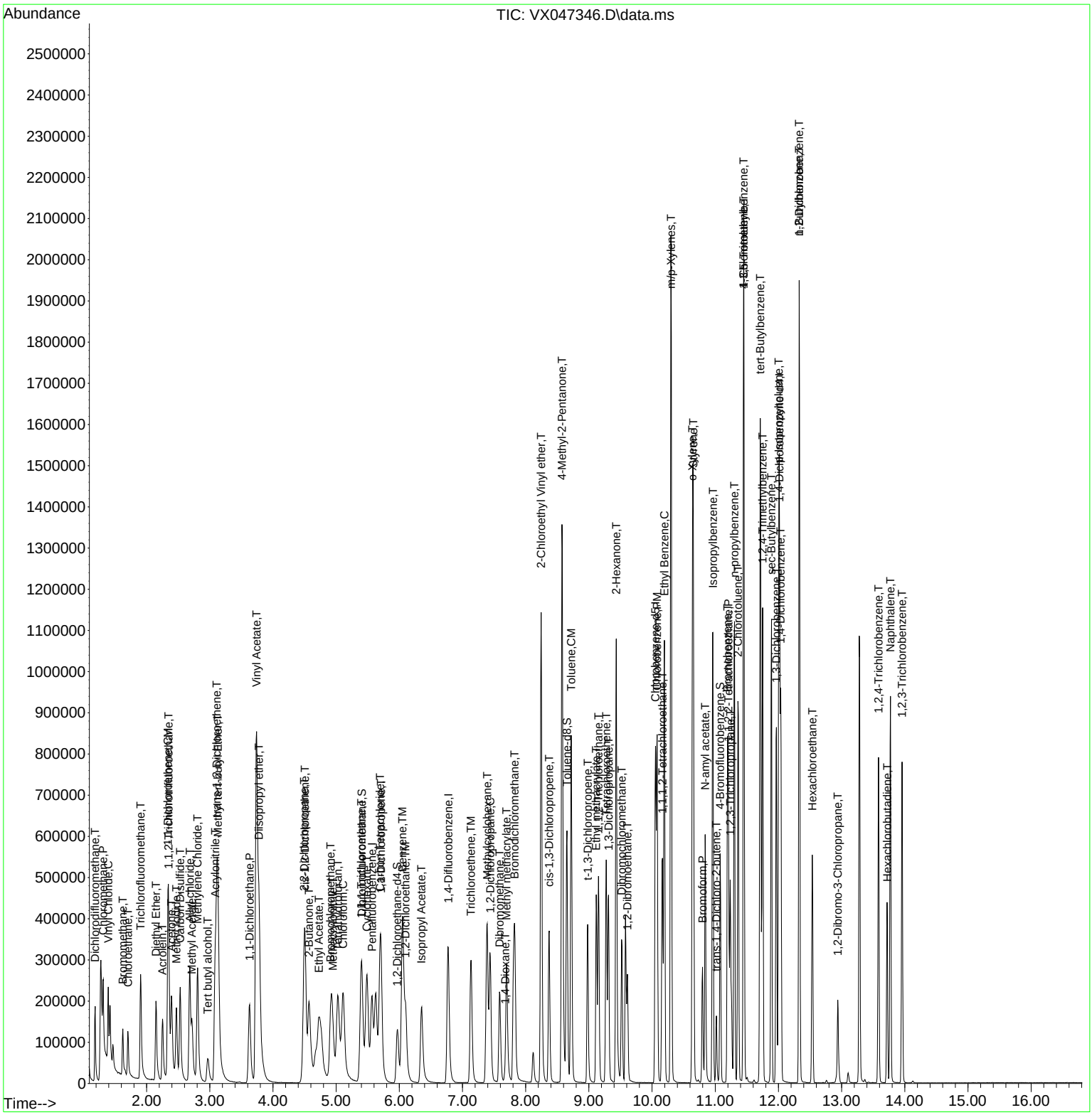
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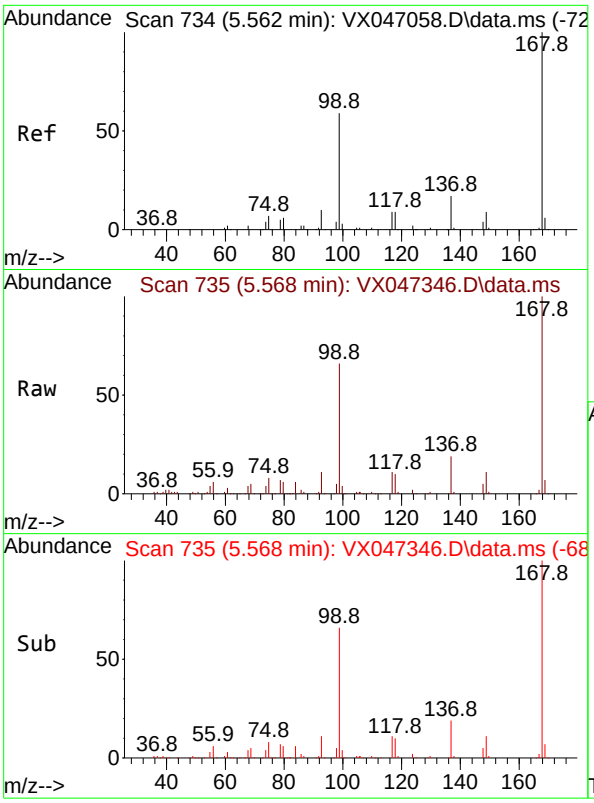
Quantitation Report (Not Reviewed)

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Data File : VX047346.D
Acq On : 14 Aug 2025 17:48
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Quant Time: Aug 18 01:32:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X072125W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 22 03:59:51 2025
Response via : Initial Calibration



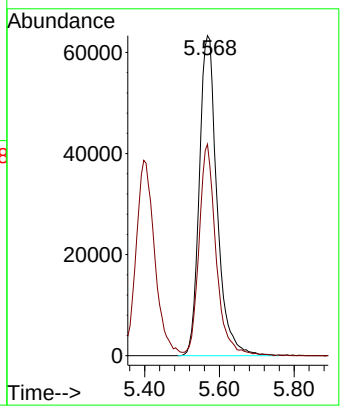


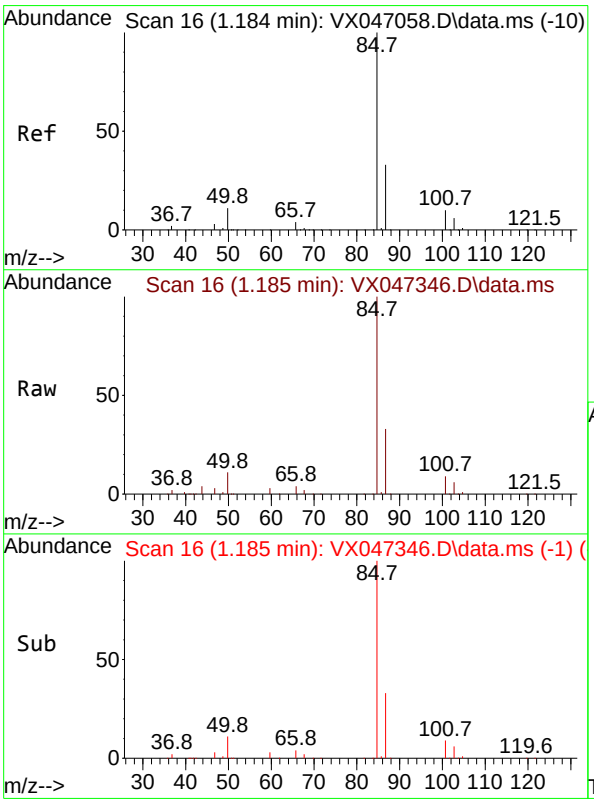
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.006 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:168 Resp: 208278

Ion	Ratio	Lower	Upper
168	100		
99	65.8	48.0	72.0

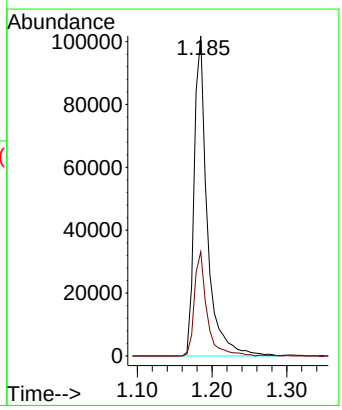


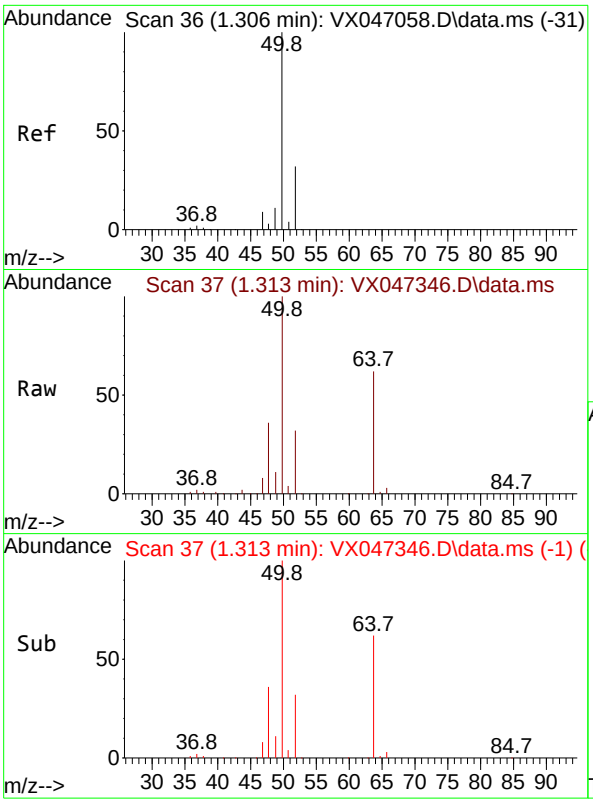


#2
Dichlorodifluoromethane
Concen: 44.552 ug/l
RT: 1.185 min Scan# 16
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 85 Resp: 123251

Ion	Ratio	Lower	Upper
85	100		
87	32.5	16.6	49.8



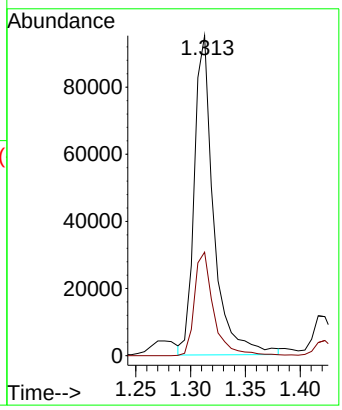


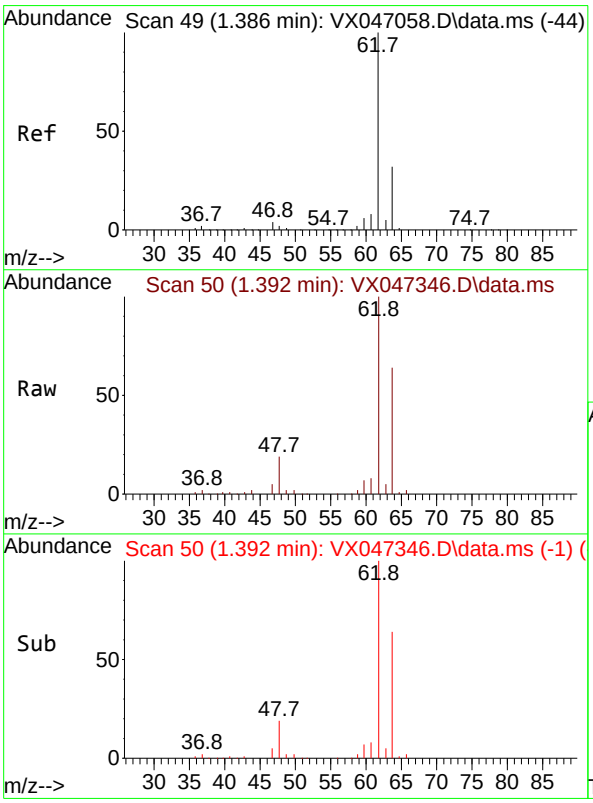
#3
Chloromethane
Concen: 42.674 ug/l
RT: 1.313 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 50 Resp: 116779

Ion	Ratio	Lower	Upper
50	100		
52	33.0	25.4	38.2

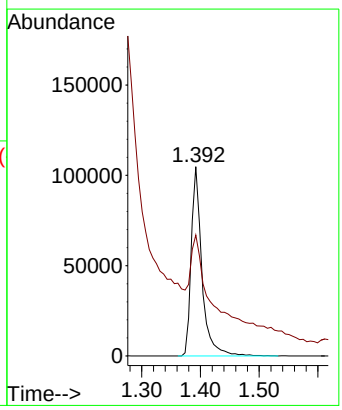


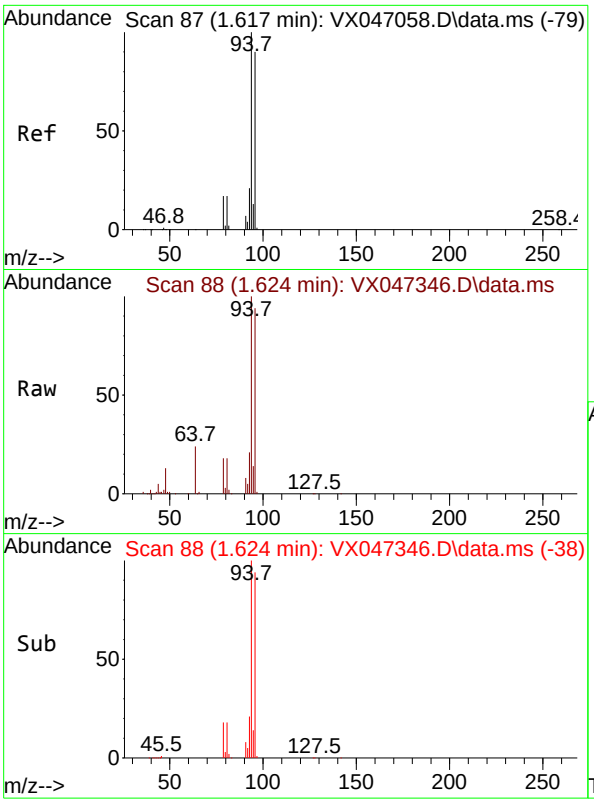


#4
Vinyl Chloride
Concen: 45.194 ug/l
RT: 1.392 min Scan# 50
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 62 Resp: 132946

Ion	Ratio	Lower	Upper
62	100		
64	50.7	25.2	37.8#



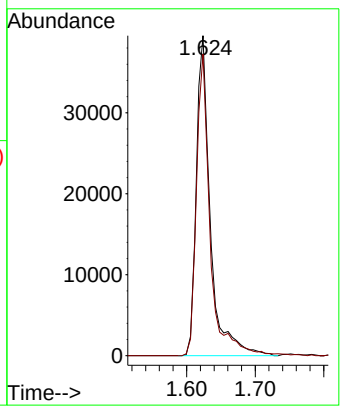


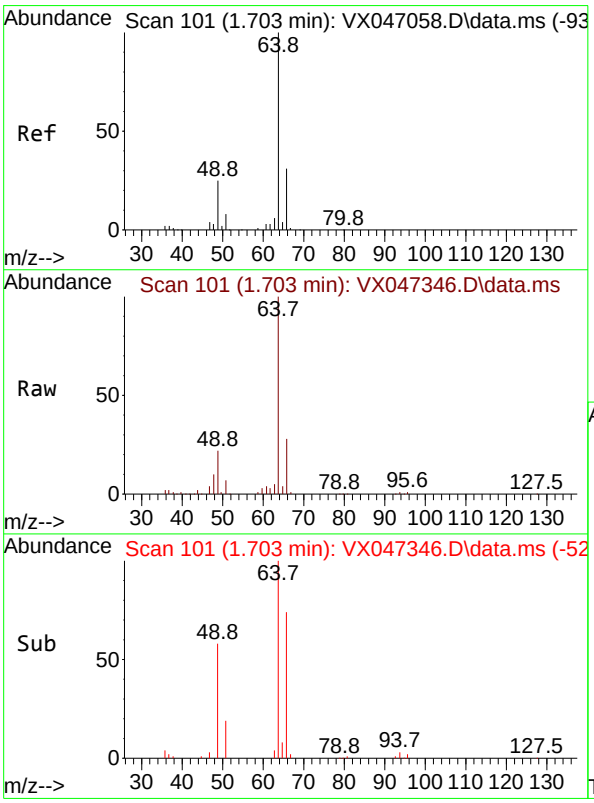
#5
Bromomethane
Concen: 35.133 ug/l
RT: 1.624 min Scan# 8
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 94 Resp: 56141

Ion	Ratio	Lower	Upper
94	100		
96	94.3	72.3	108.5

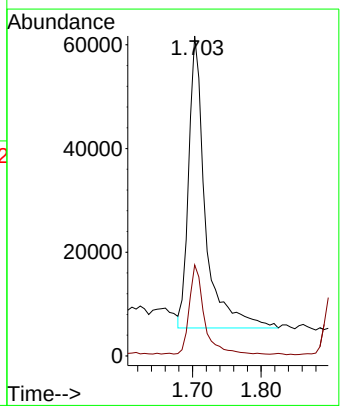


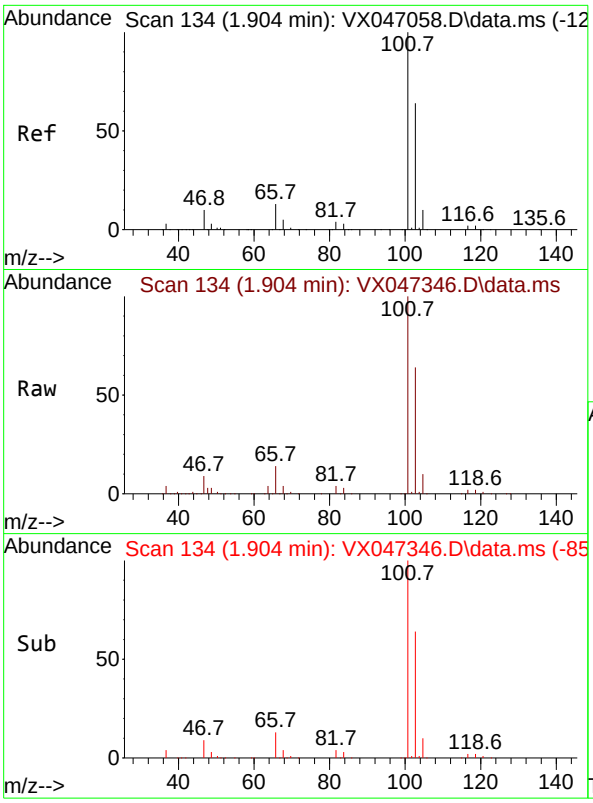


#6
Chloroethane
Concen: 49.260 ug/l
RT: 1.703 min Scan# 101
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 64 Resp: 95172

Ion	Ratio	Lower	Upper
64	100		
66	30.4	25.0	37.6



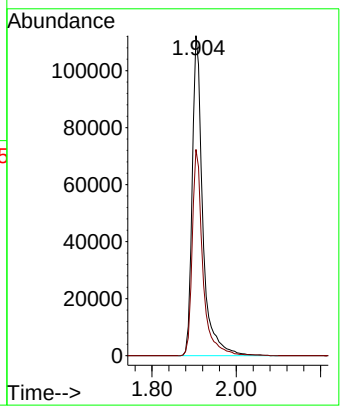


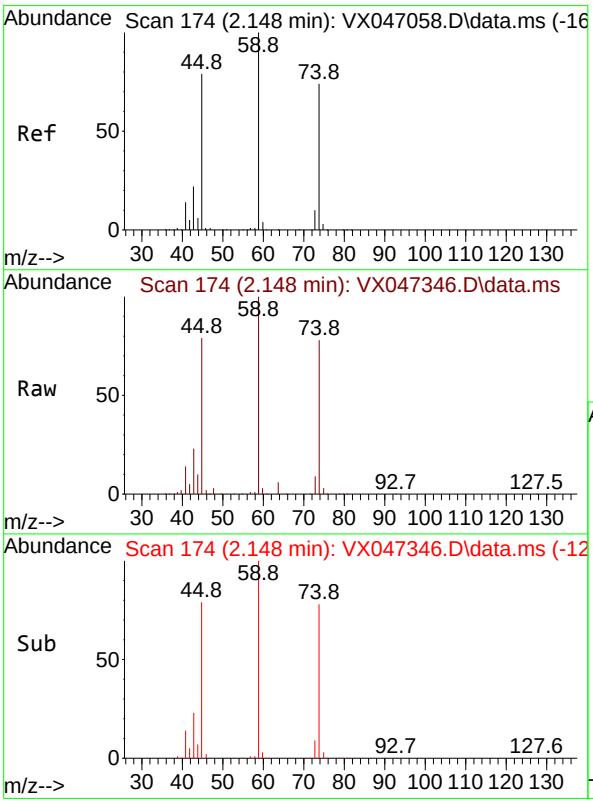
#7
Trichlorofluoromethane
Concen: 44.538 ug/l
RT: 1.904 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 195362

Ion	Ratio	Lower	Upper
101	100		
103	64.5	50.9	76.3

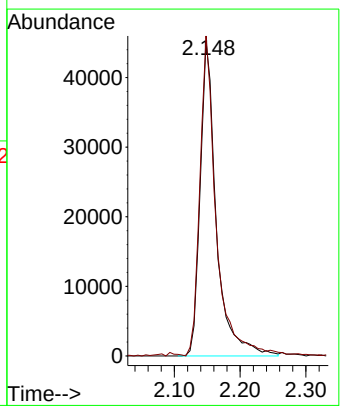


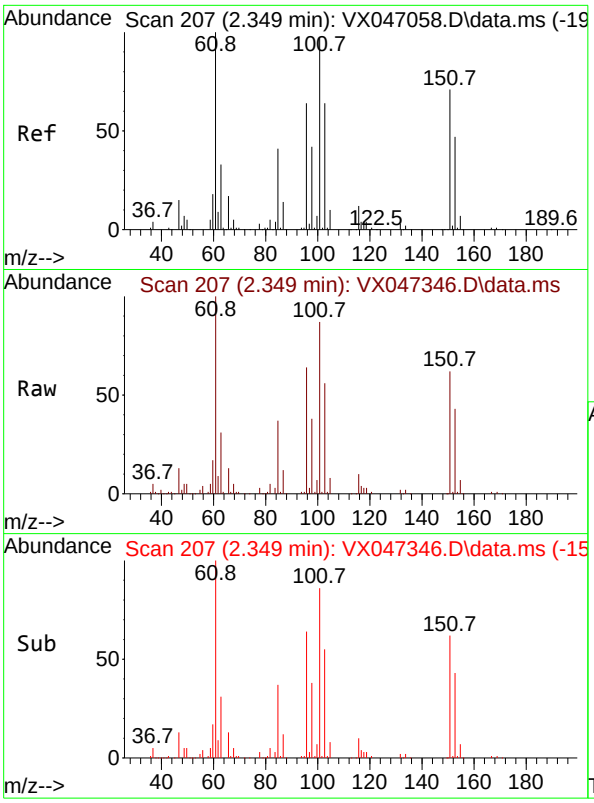


#8
Diethyl Ether
Concen: 50.082 ug/l
RT: 2.148 min Scan# 174
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 74 Resp: 77456

Ion	Ratio	Lower	Upper
74	100		
45	102.7	53.0	159.0



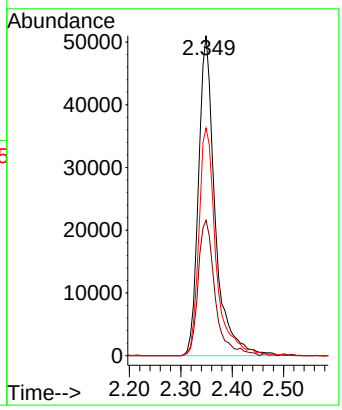


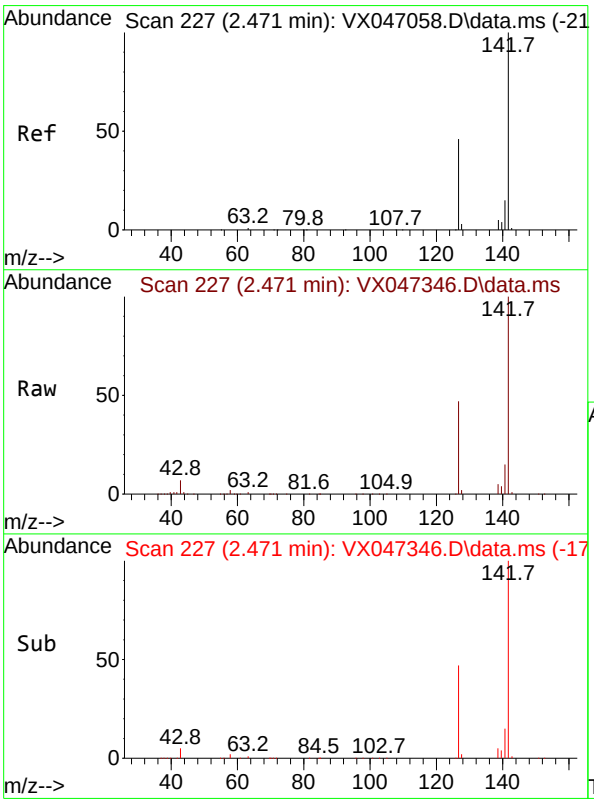
#9
1,1,2-Trichlorotrifluoroethane
Concen: 43.287 ug/l
RT: 2.349 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:101 Resp: 114394

Ion	Ratio	Lower	Upper
101	100		
85	43.2	35.4	53.0
151	73.7	59.2	88.8

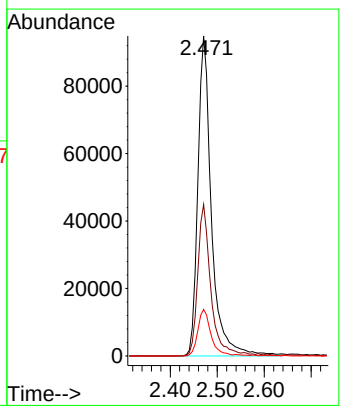


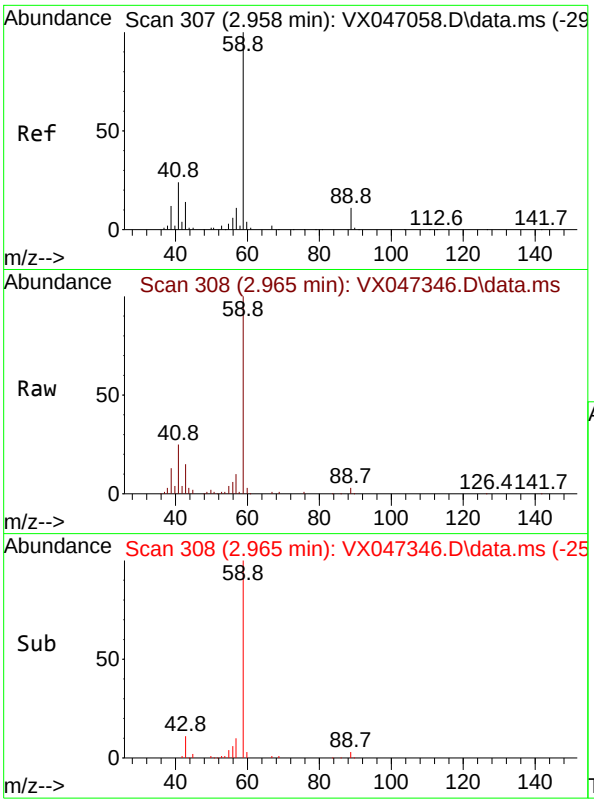


#10
Methyl Iodide
Concen: 71.083 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:142 Resp: 191452

Ion	Ratio	Lower	Upper
142	100		
127	45.5	36.6	54.8
141	14.4	10.9	16.3



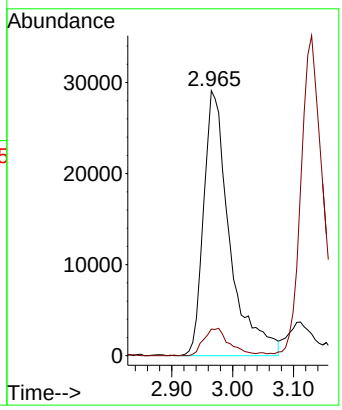


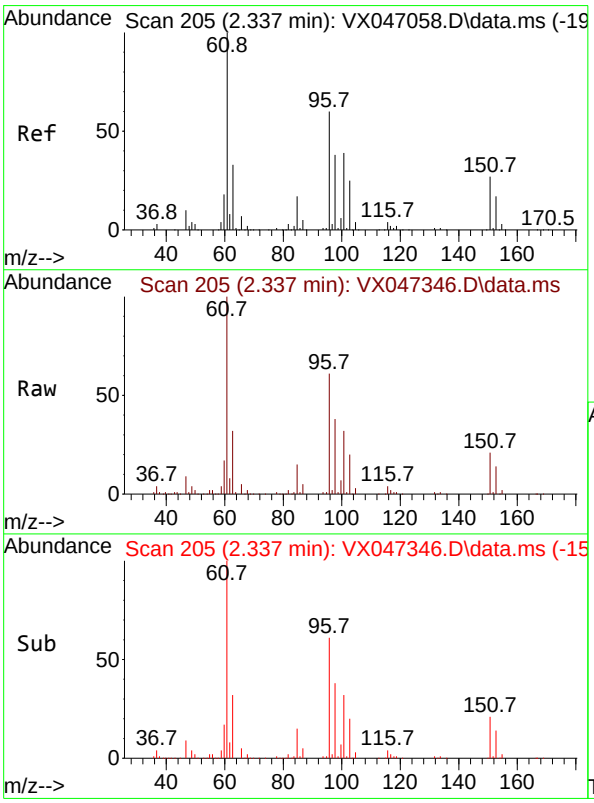
#11
Tert butyl alcohol
Concen: 287.013 ug/l
RT: 2.965 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 59 Resp: 86587

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.5	12.7

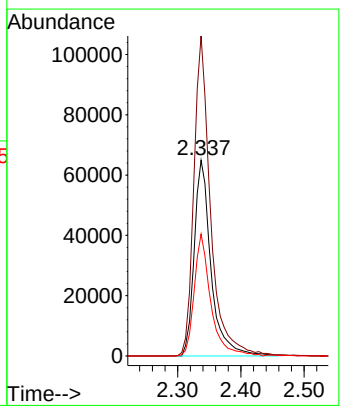


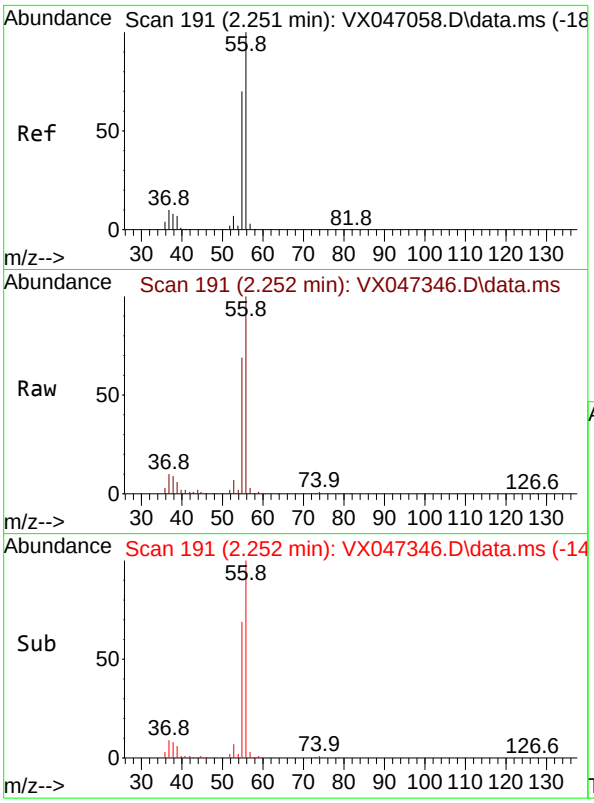


#12
1,1-Dichloroethene
Concen: 46.053 ug/l
RT: 2.337 min Scan# 205
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 96 Resp: 120541

Ion	Ratio	Lower	Upper
96	100		
61	163.2	132.6	198.8
98	62.1	50.2	75.4



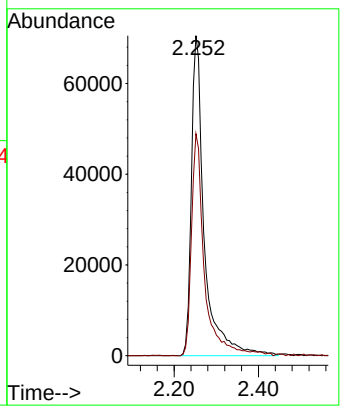


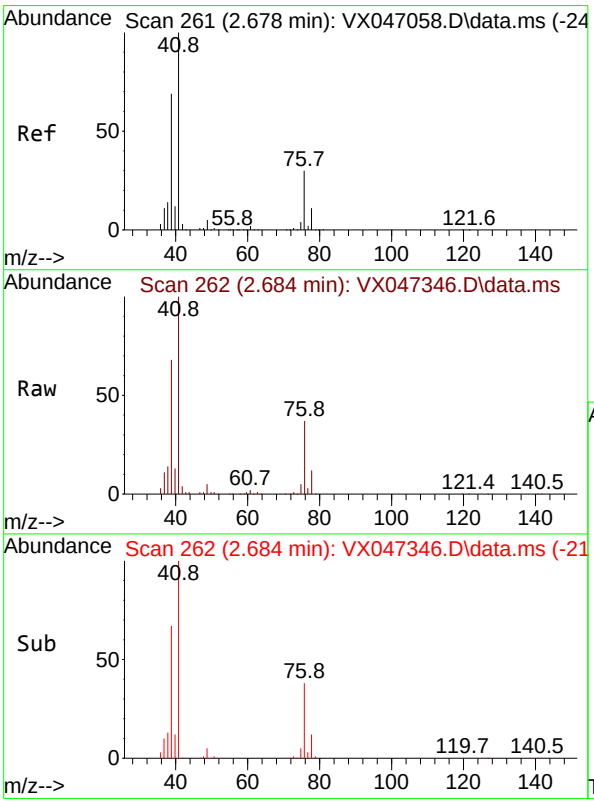
#13
Acrolein
Concen: 269.492 ug/l
RT: 2.252 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 150549

Ion	Ratio	Lower	Upper
56	100		
55	69.7	55.7	83.5

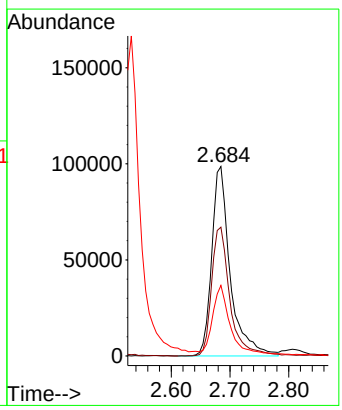


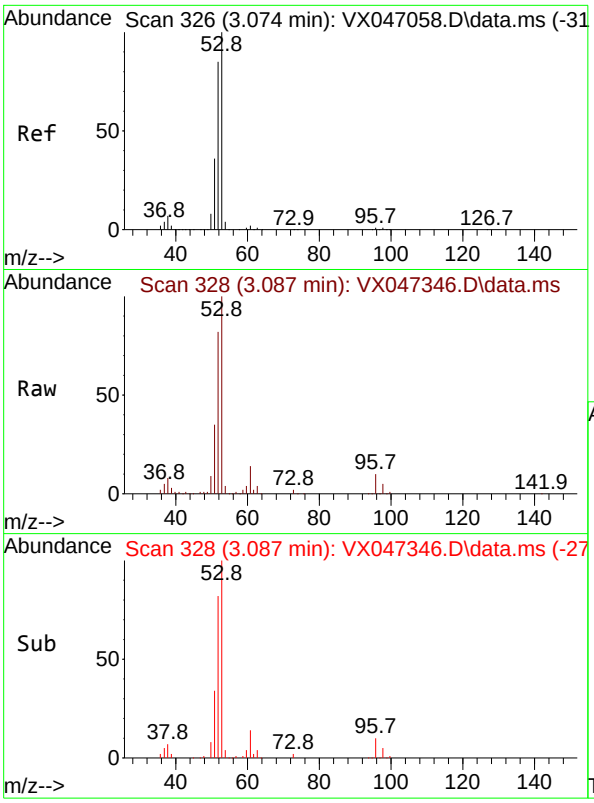


#14
Allyl chloride
Concen: 45.765 ug/l
RT: 2.684 min Scan# 262
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 41 Resp: 216535

Ion	Ratio	Lower	Upper
41	100		
39	67.7	52.6	78.8
76	34.9	25.7	38.5



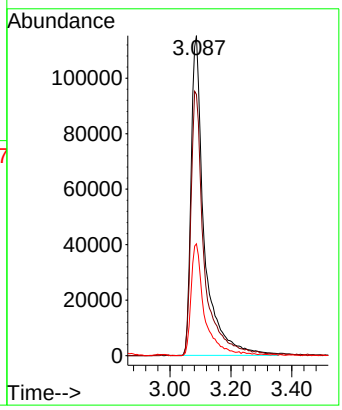


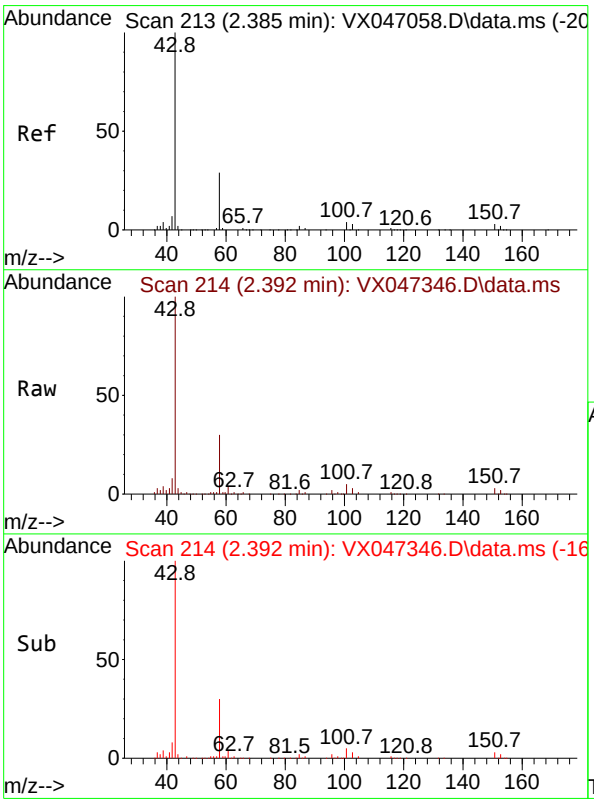
#15
Acrylonitrile
Concen: 280.605 ug/l
RT: 3.087 min Scan# 3
Delta R.T. 0.013 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 53 Resp: 347215

Ion	Ratio	Lower	Upper
53	100		
52	82.7	65.7	98.5
51	35.1	28.8	43.2

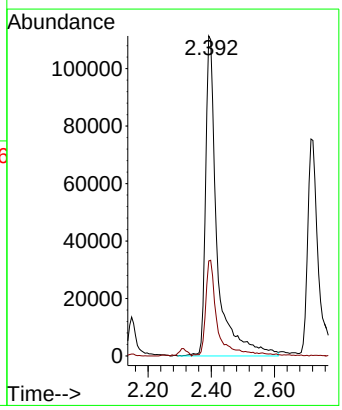


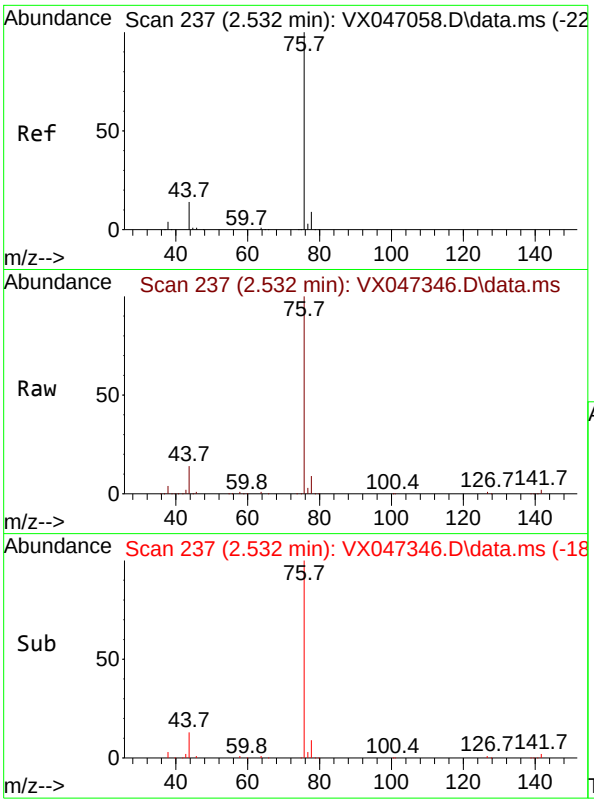


#16
Acetone
Concen: 274.381 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 43 Resp: 285180

Ion	Ratio	Lower	Upper
43	100		
58	29.3	24.0	36.0



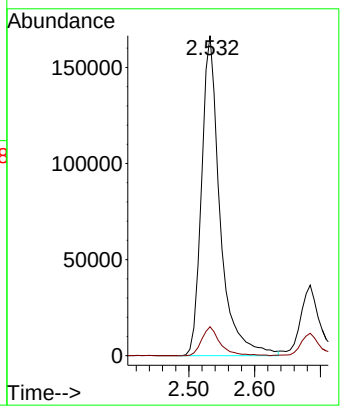


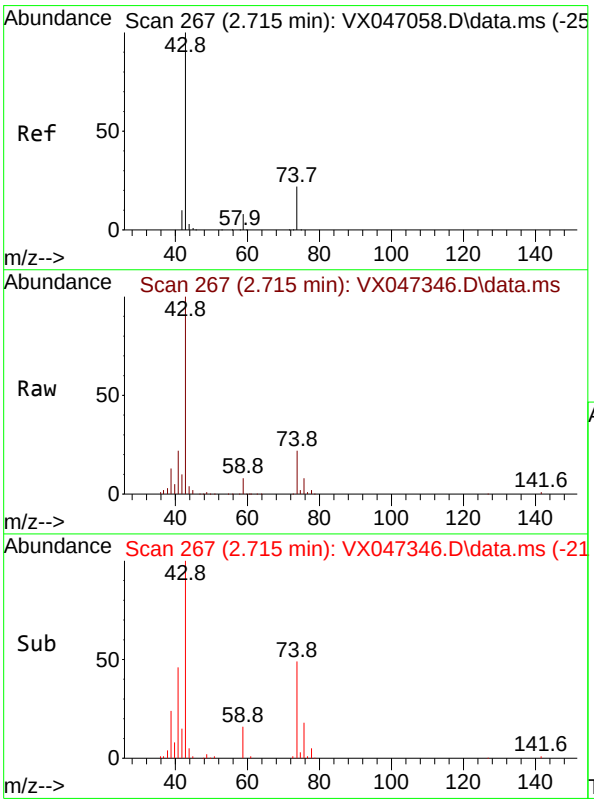
#17
Carbon Disulfide
Concen: 42.909 ug/l
RT: 2.532 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 324913

Ion	Ratio	Lower	Upper
76	100		
78	9.1	7.0	10.4

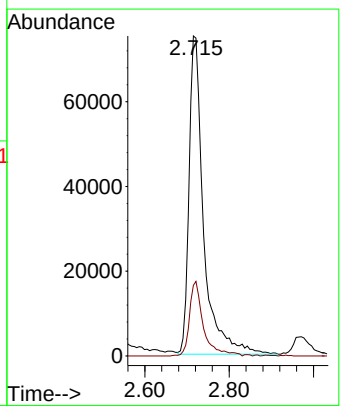


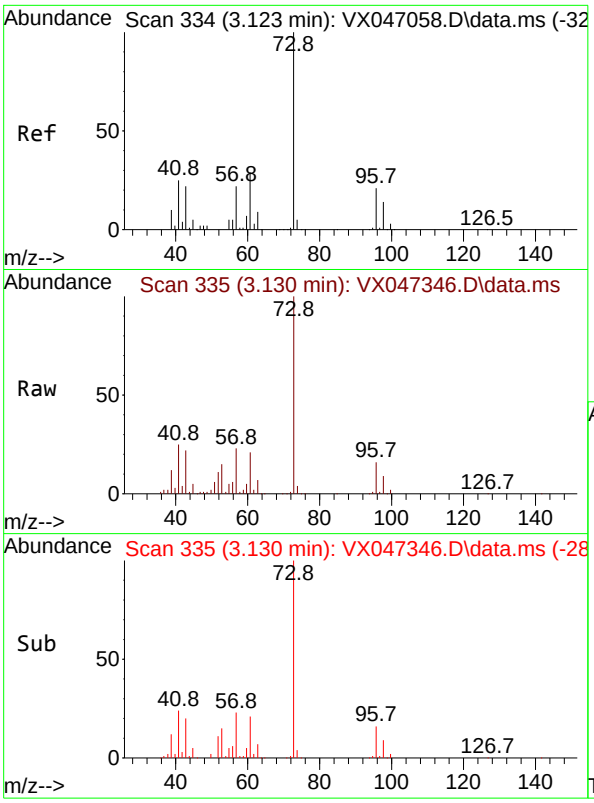


#18
Methyl Acetate
Concen: 65.409 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 43 Resp: 180663

Ion	Ratio	Lower	Upper
43	100		
74	22.4	17.7	26.5



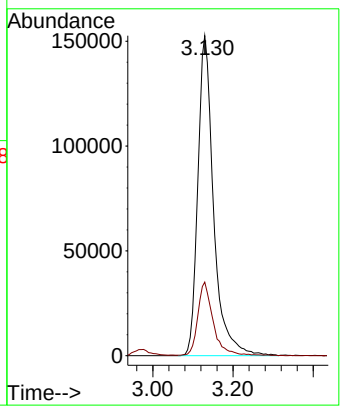


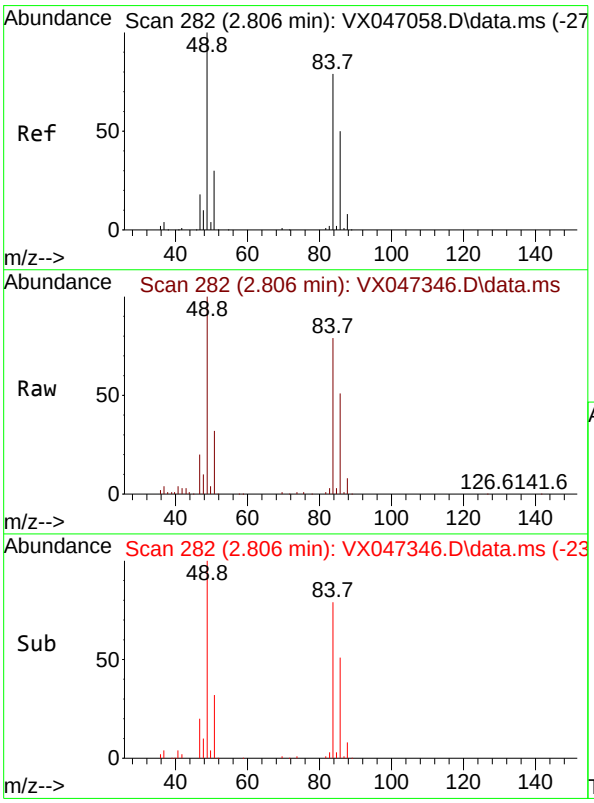
#19
Methyl tert-butyl Ether
Concen: 52.161 ug/l
RT: 3.130 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 73 Resp: 415516

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.7	26.5

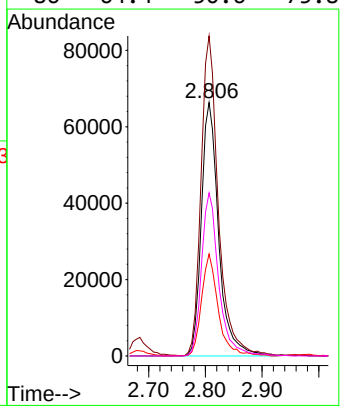


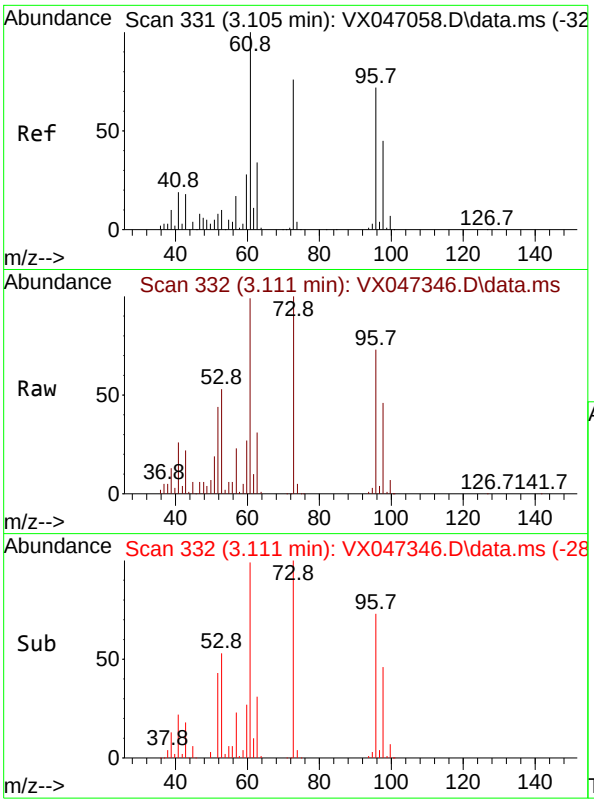


#20
Methylene Chloride
Concen: 49.279 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 84 Resp: 140906

Ion	Ratio	Lower	Upper
84	100		
49	126.1	101.6	152.4
51	40.1	30.3	45.5
86	64.4	50.6	75.8



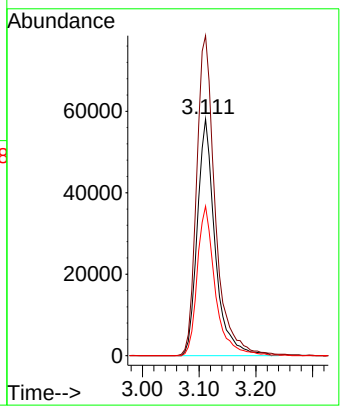


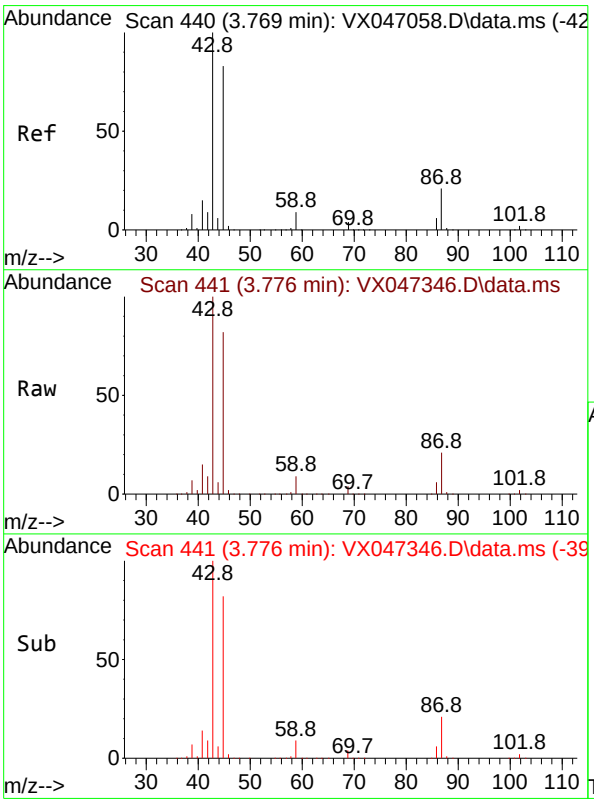
#21
trans-1,2-Dichloroethene
Concen: 47.436 ug/l
RT: 3.111 min Scan# 3
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 127056

Ion	Ratio	Lower	Upper
96	100		
61	135.1	111.1	166.7
98	63.2	49.6	74.4

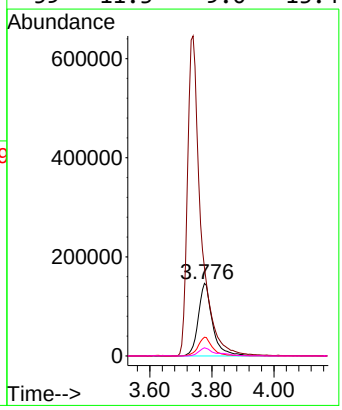


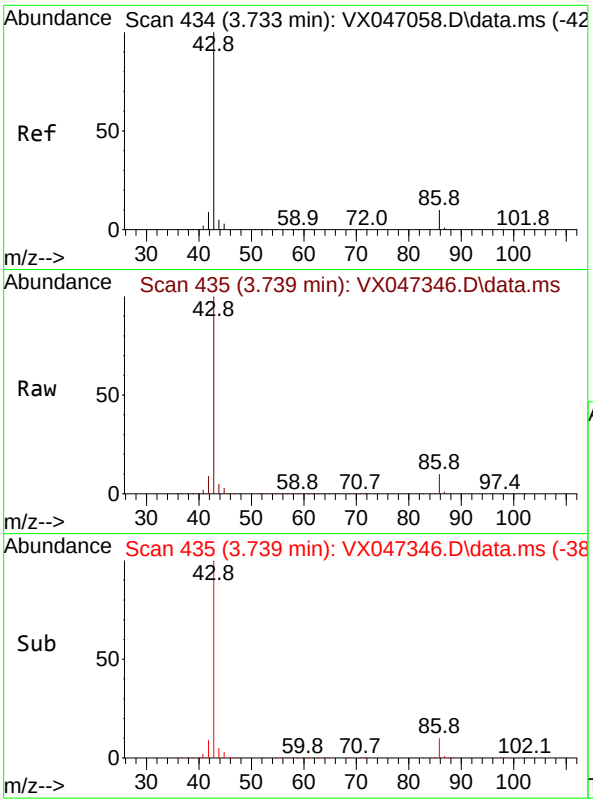


#22
Diisopropyl ether
Concen: 51.450 ug/l
RT: 3.776 min Scan# 441
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 45 Resp: 468017

Ion	Ratio	Lower	Upper
45	100		
43	121.0	96.8	145.2
87	25.8	20.5	30.7
59	11.3	9.0	13.4



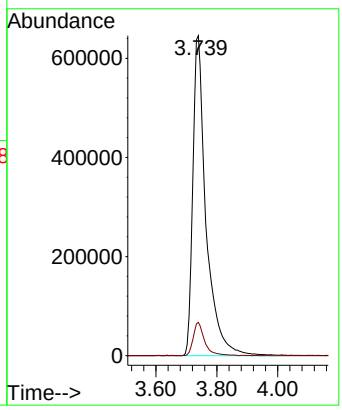


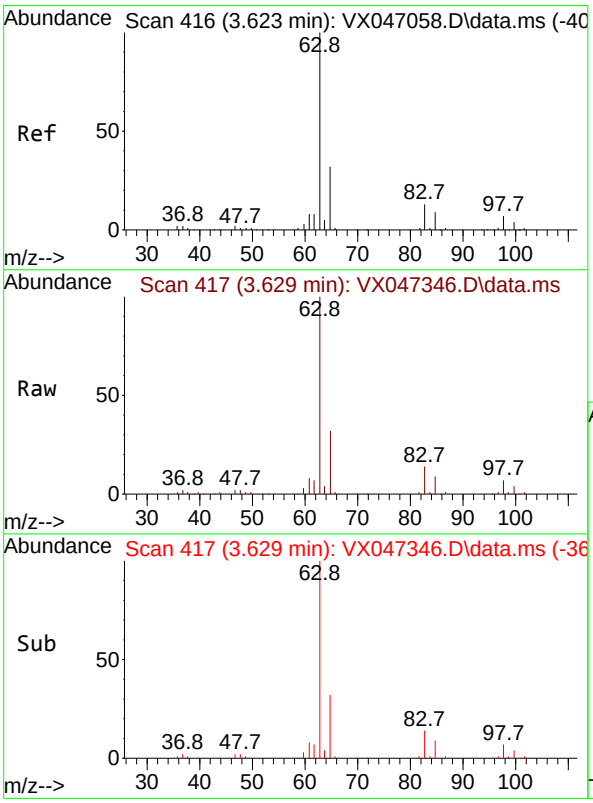
#23
Vinyl Acetate
Concen: 267.249 ug/l
RT: 3.739 min Scan# 4
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 1949875

Ion	Ratio	Lower	Upper
43	100		
86	10.4	8.1	12.1

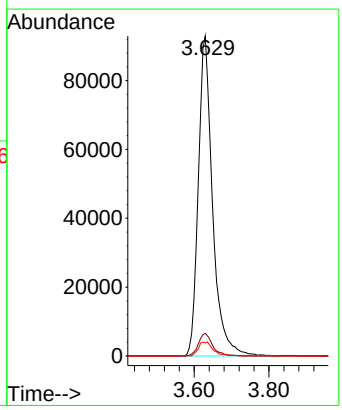


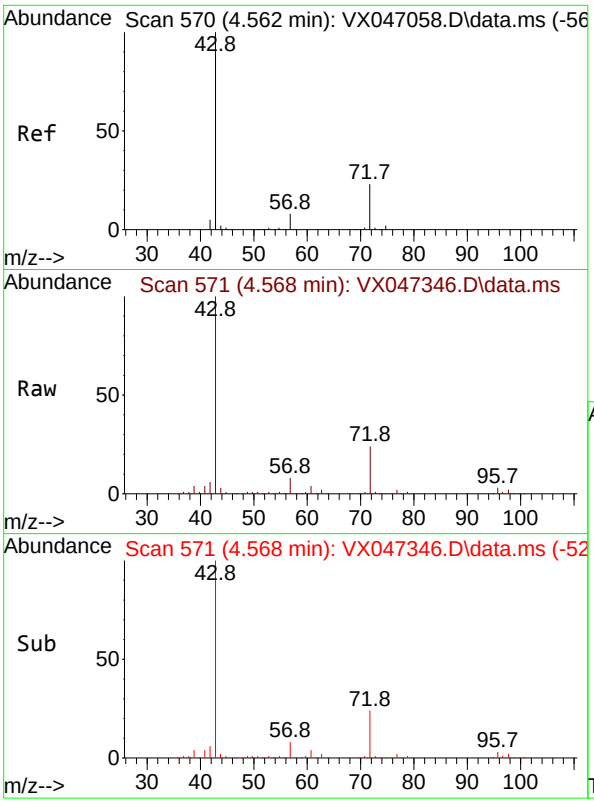


#24
1,1-Dichloroethane
Concen: 48.604 ug/l
RT: 3.629 min Scan# 417
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 63 Resp: 245858

Ion	Ratio	Lower	Upper
63	100		
98	7.6	3.6	10.8
100	4.1	2.3	6.8



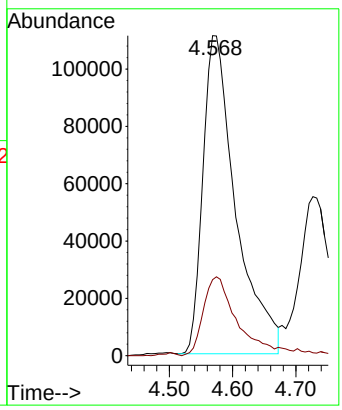


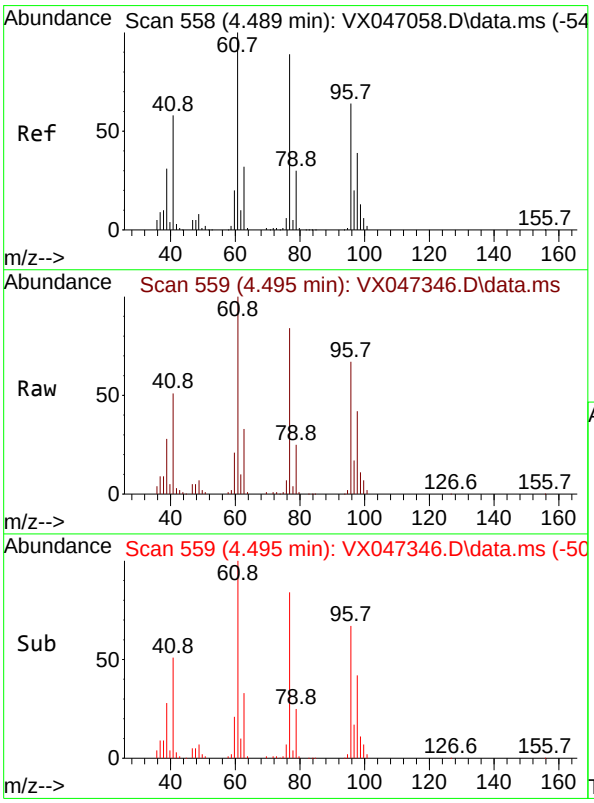
#25
2-Butanone
Concen: 264.931 ug/l
RT: 4.568 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 400945

Ion	Ratio	Lower	Upper
43	100		
72	23.5	18.8	28.2

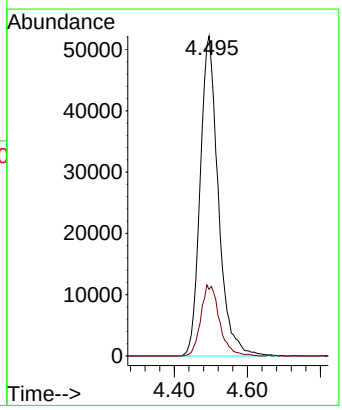


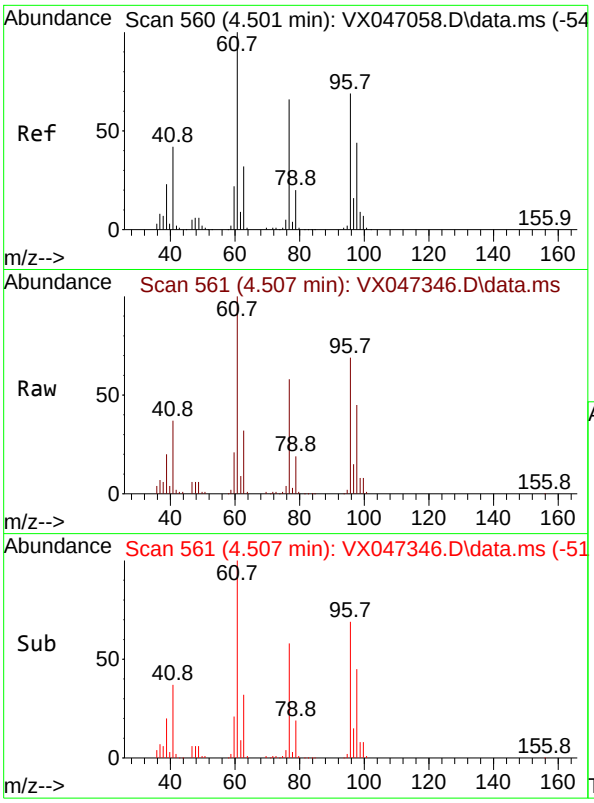


#26
2,2-Dichloropropane
Concen: 45.732 ug/l
RT: 4.495 min Scan# 559
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 77 Resp: 179072

Ion	Ratio	Lower	Upper
77	100		
97	22.9	11.4	34.1



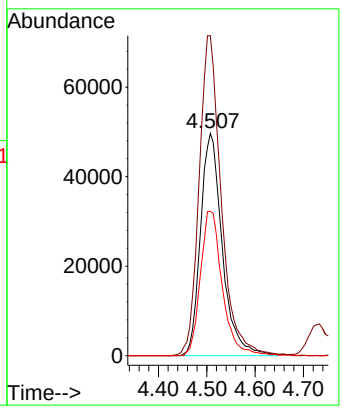


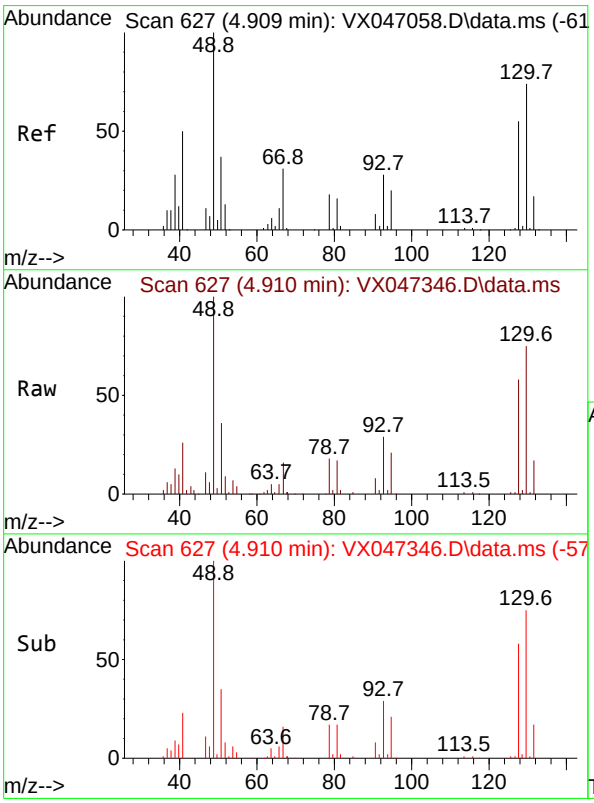
#27
cis-1,2-Dichloroethene
Concen: 49.009 ug/l
RT: 4.507 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 96 Resp: 155444

Ion	Ratio	Lower	Upper
96	100		
61	146.3	0.0	298.6
98	65.2	0.0	128.8

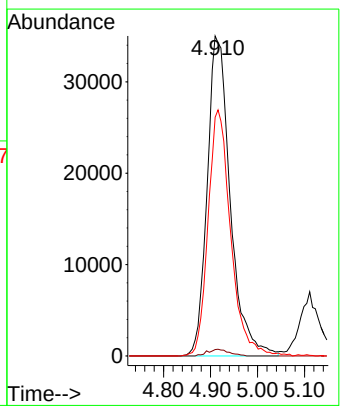


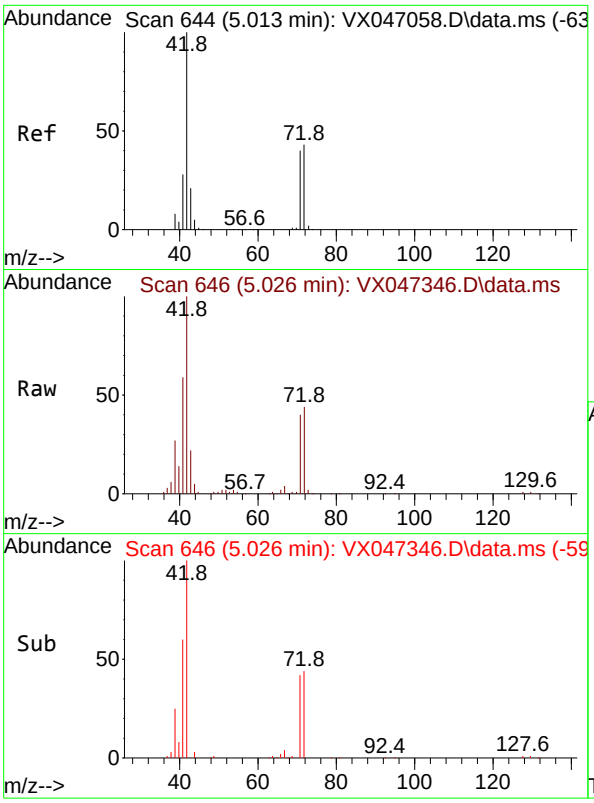


#28
Bromochloromethane
Concen: 51.172 ug/l
RT: 4.910 min Scan# 627
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 49 Resp: 119086

Ion	Ratio	Lower	Upper
49	100		
129	2.0	0.0	3.8
130	75.5	59.0	88.4



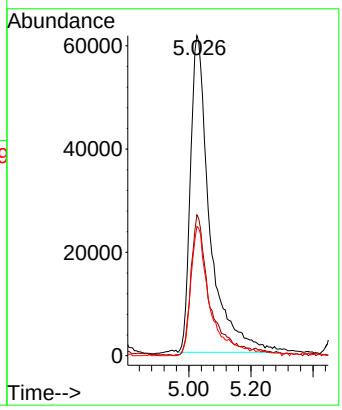


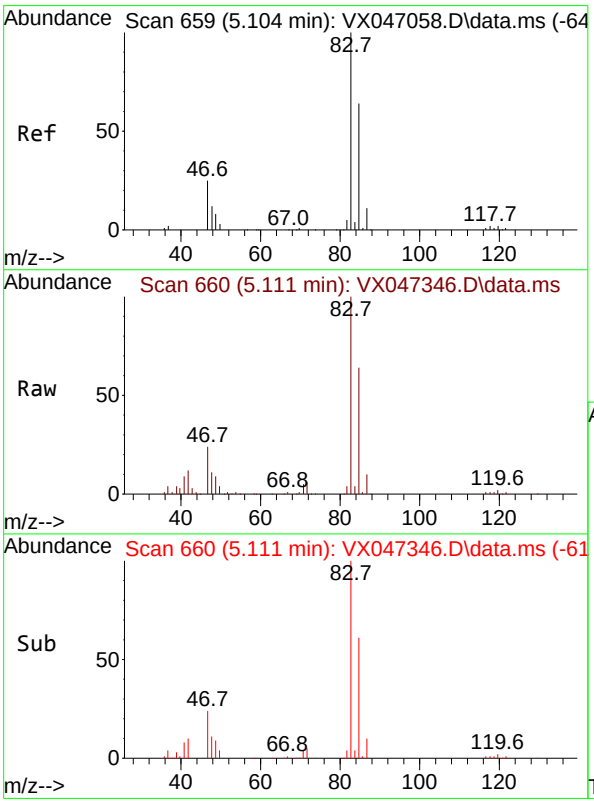
#29
Tetrahydrofuran
Concen: 273.186 ug/l
RT: 5.026 min Scan# 64
Delta R.T. 0.013 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 42 Resp: 266756

Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.7	50.5
71	40.3	31.0	46.4

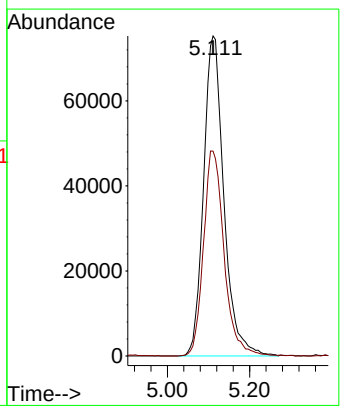


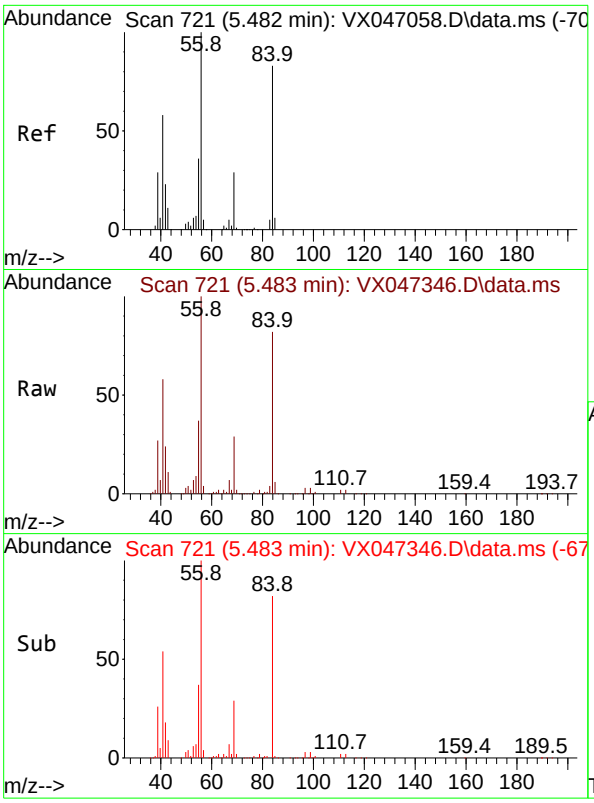


#30
Chloroform
Concen: 50.059 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 83 Resp: 257758

Ion	Ratio	Lower	Upper
83	100		
85	65.1	50.9	76.3



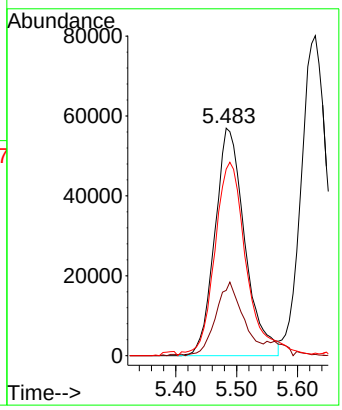


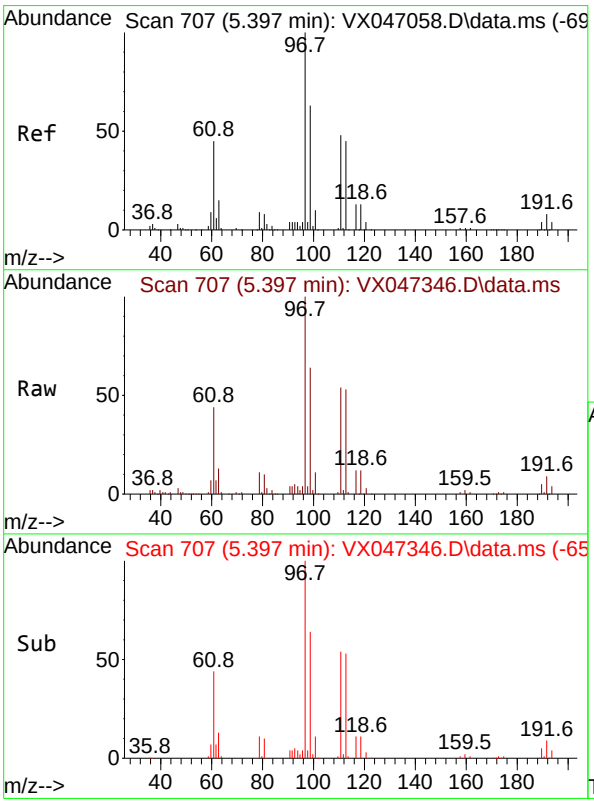
#31
Cyclohexane
Concen: 40.057 ug/l
RT: 5.483 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 56 Resp: 194284

Ion	Ratio	Lower	Upper
56	100		
69	28.2	23.3	34.9
84	82.0	66.5	99.7

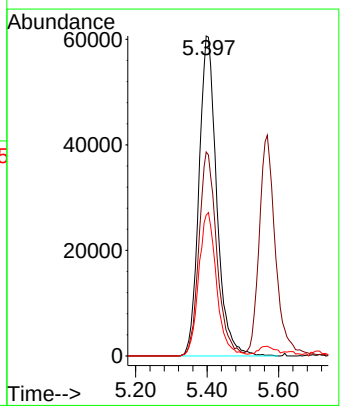


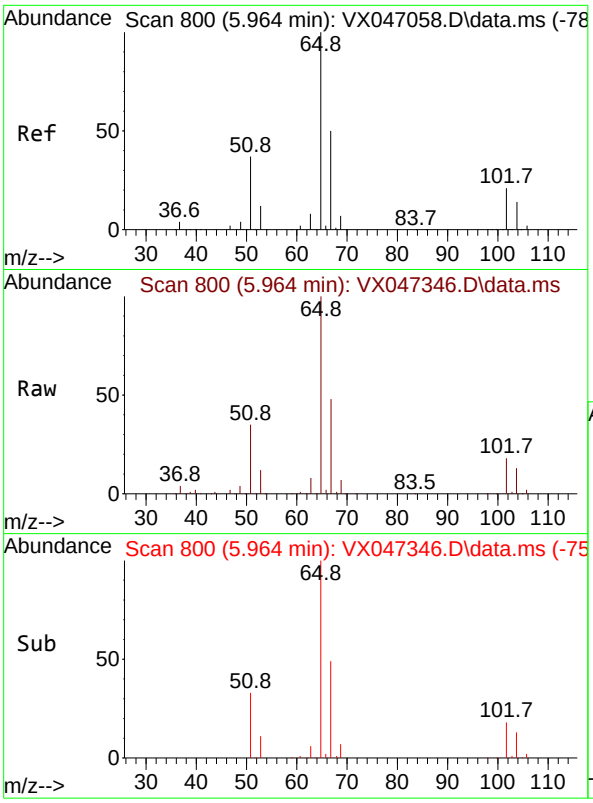


#32
1,1,1-Trichloroethane
Concen: 46.599 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 97 Resp: 208412

Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.2	76.8
61	45.3	37.1	55.7



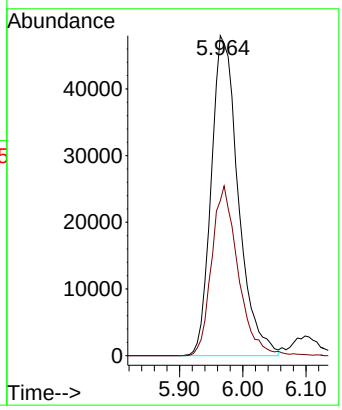


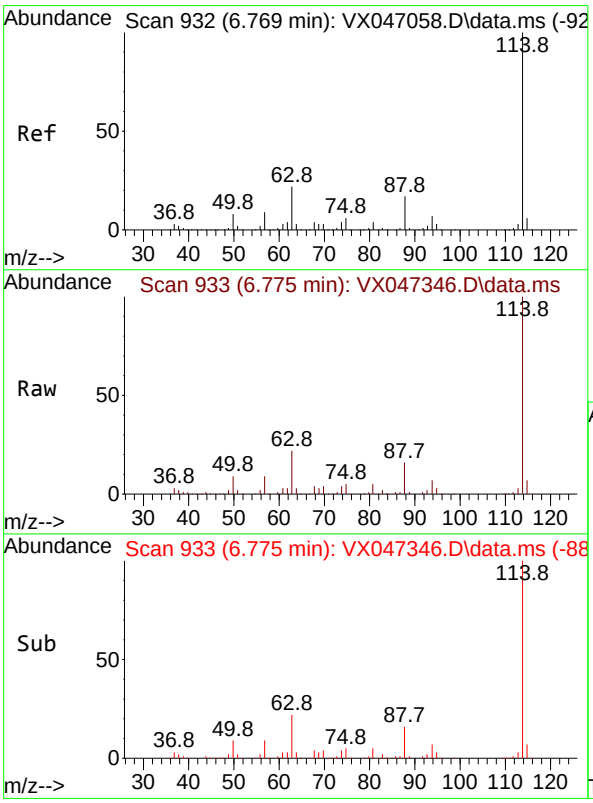
#33
1,2-Dichloroethane-d4
Concen: 54.745 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 65 Resp: 142035

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.8

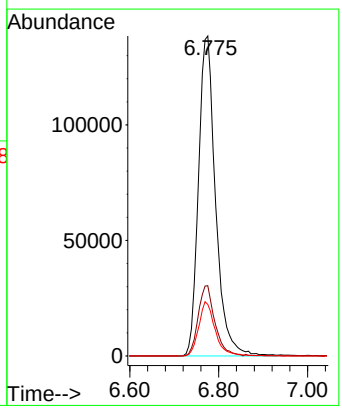


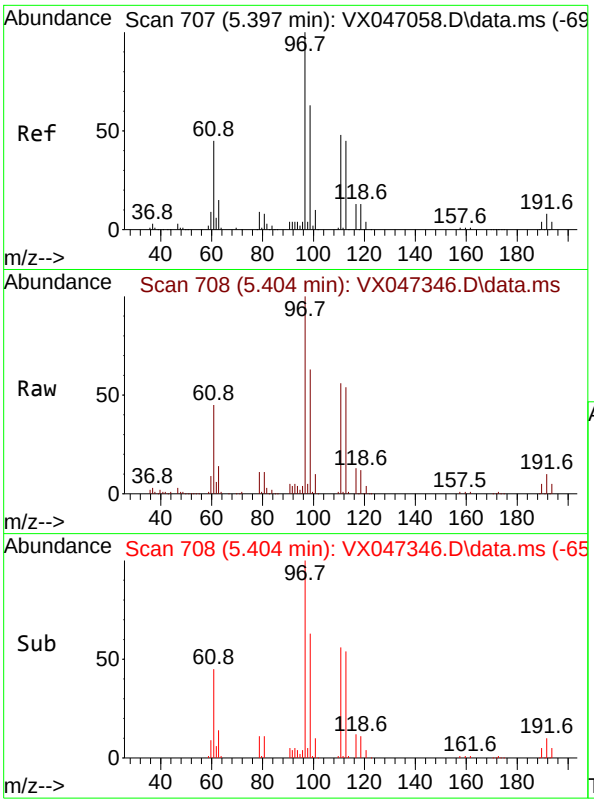


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:114 Resp: 371282

Ion	Ratio	Lower	Upper
114	100		
63	22.0	0.0	43.2
88	16.1	0.0	33.8



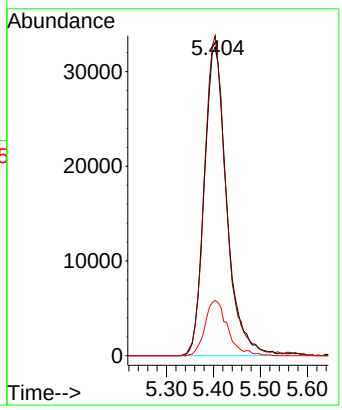


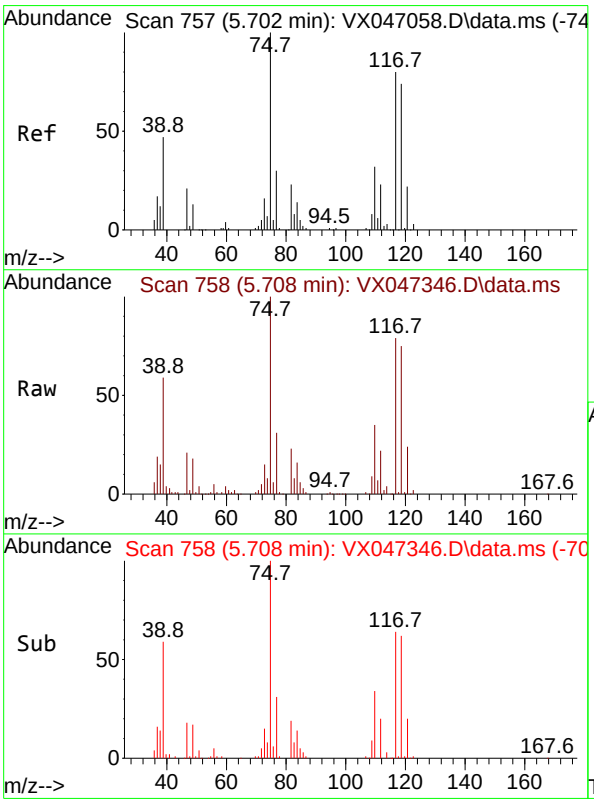
#35
Dibromofluoromethane
Concen: 47.213 ug/l
RT: 5.404 min Scan# 7
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:113 Resp: 108232

Ion	Ratio	Lower	Upper
113	100		
111	101.2	82.6	124.0
192	18.1	14.9	22.3

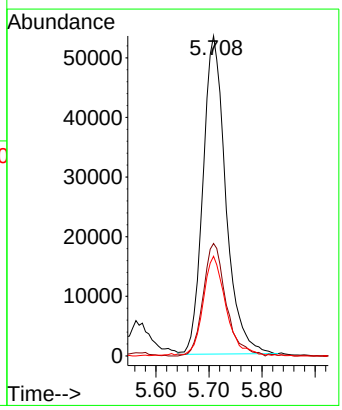


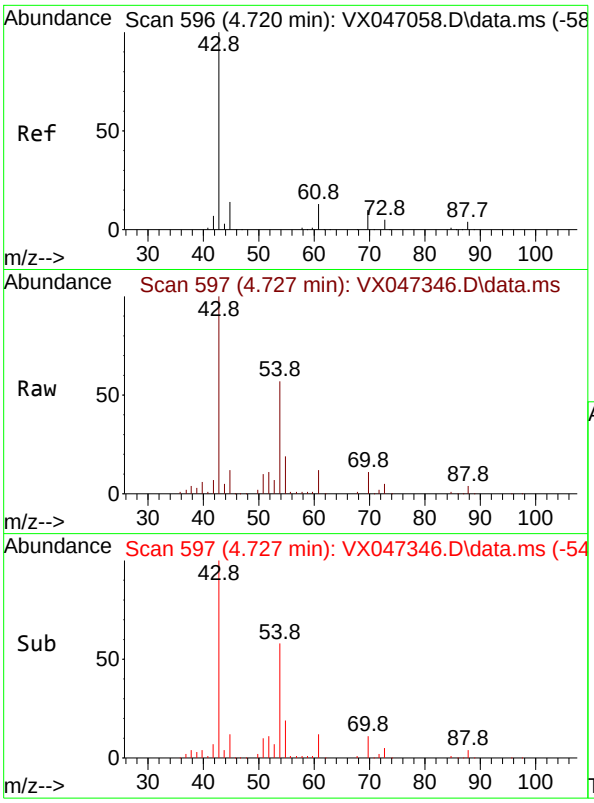


#36
1,1-Dichloropropene
Concen: 40.742 ug/l
RT: 5.708 min Scan# 758
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 75 Resp: 159206

Ion	Ratio	Lower	Upper
75	100		
110	35.4	17.2	51.5
77	30.9	25.1	37.7



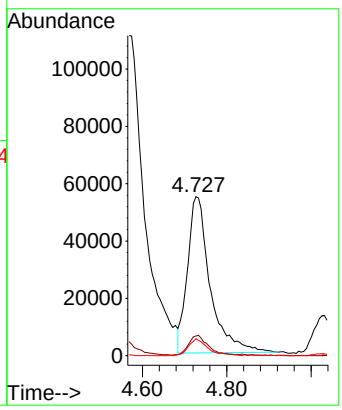


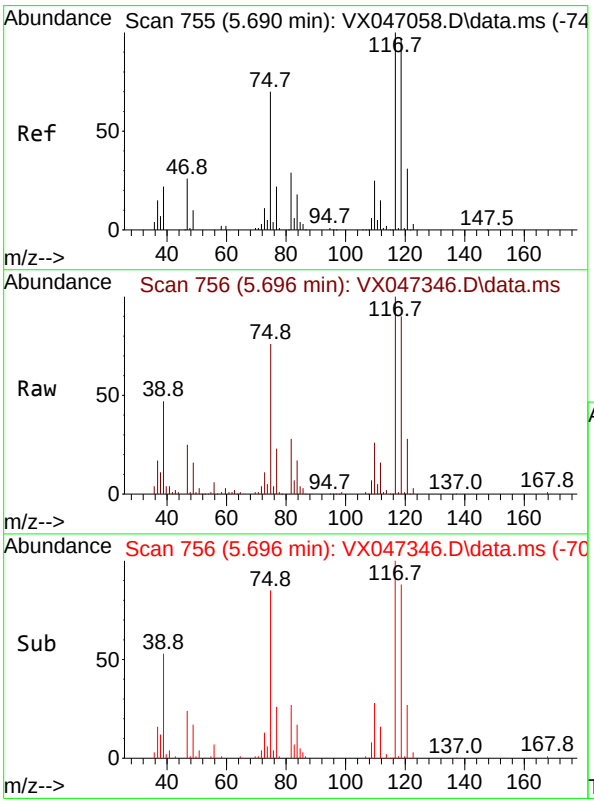
#37
Ethyl Acetate
Concen: 56.537 ug/l
RT: 4.727 min Scan# 5
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 203572

Ion	Ratio	Lower	Upper
43	100		
61	10.6	10.2	15.2
70	9.1	8.1	12.1

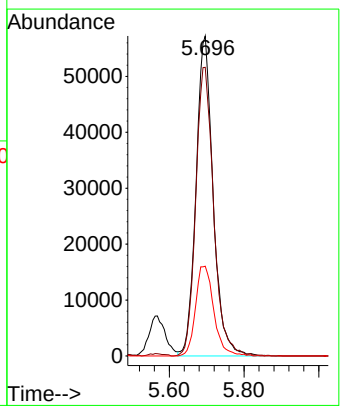


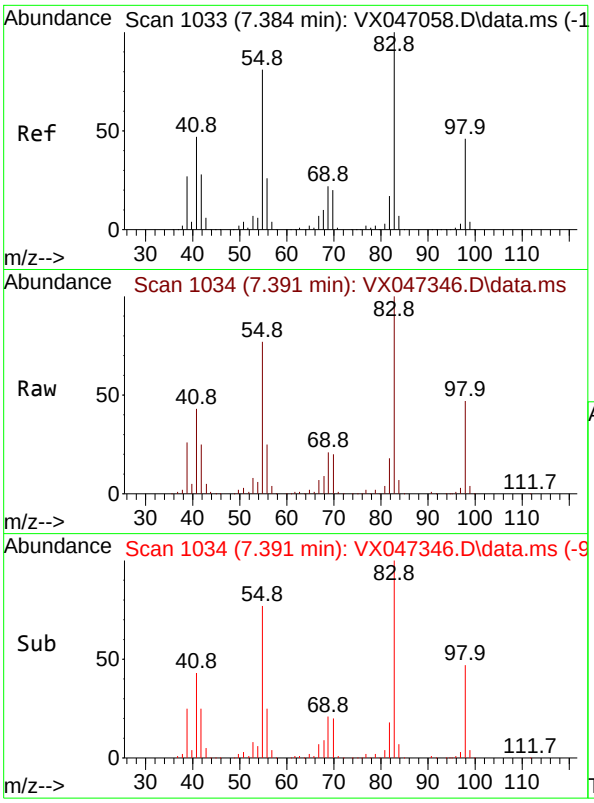


#38
Carbon Tetrachloride
Concen: 43.627 ug/l
RT: 5.696 min Scan# 756
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:117 Resp: 181954

Ion	Ratio	Lower	Upper
117	100		
119	90.1	76.6	115.0
121	28.1	24.4	36.6



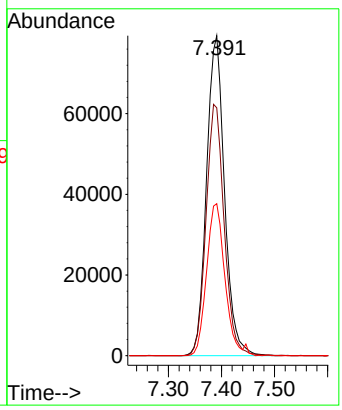


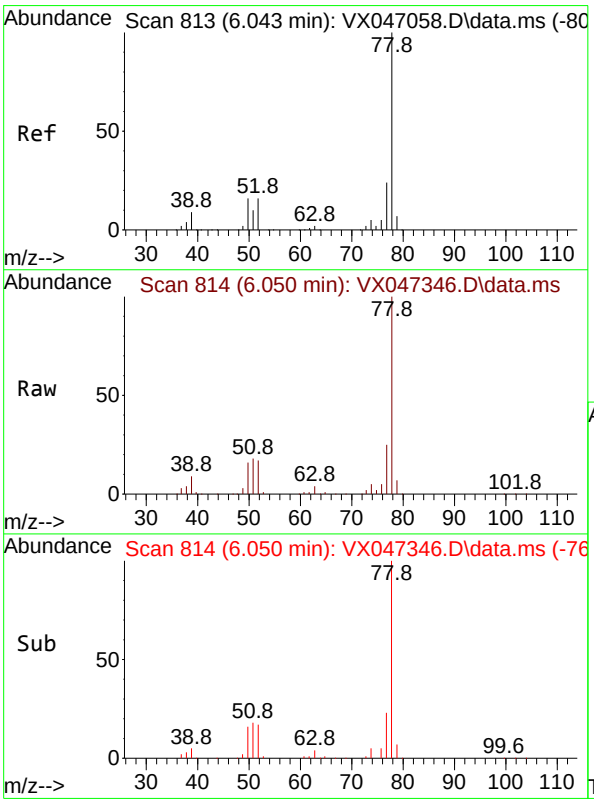
#39
Methylcyclohexane
Concen: 38.272 ug/l
RT: 7.391 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 186724

Ion	Ratio	Lower	Upper
83	100		
55	77.5	64.5	96.7
98	47.5	36.9	55.3

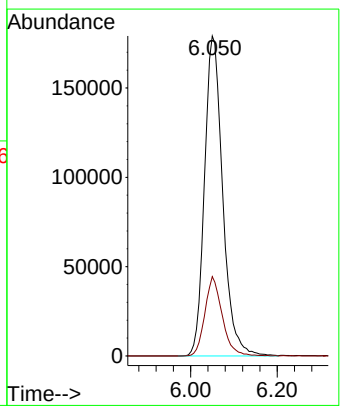


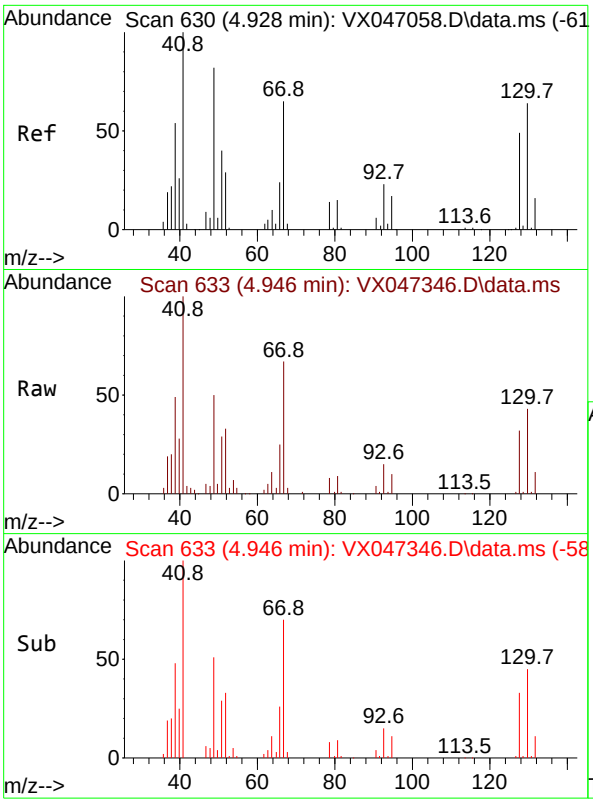


#40
Benzene
Concen: 46.260 ug/l
RT: 6.050 min Scan# 814
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 78 Resp: 523138

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.4



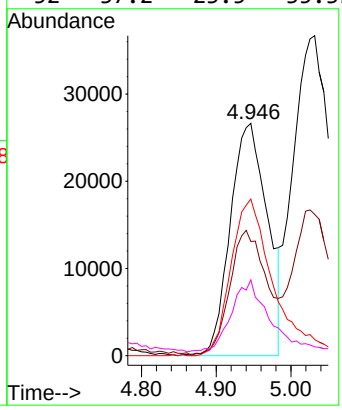


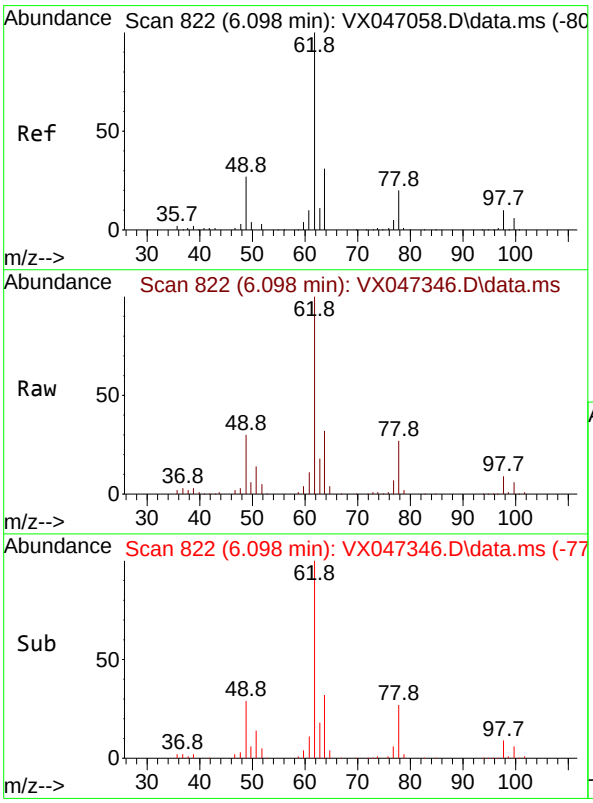
#41
Methacrylonitrile
Concen: 48.853 ug/l
RT: 4.946 min Scan# 6
Delta R.T. 0.019 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 41 Resp: 91974

Ion	Ratio	Lower	Upper
41	100		
39	53.8	44.2	66.2
67	77.2	56.4	84.6
52	37.2	23.5	35.3#

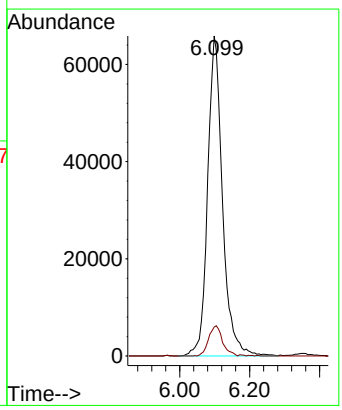


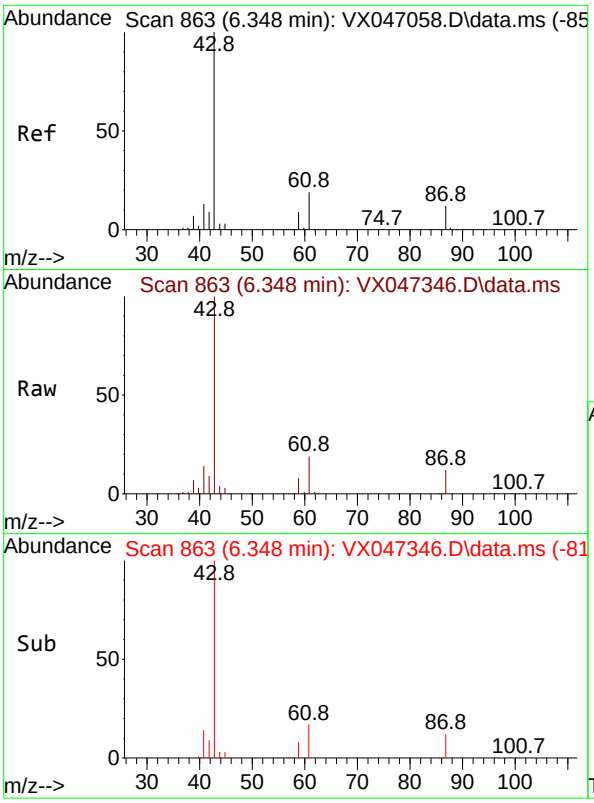


#42
1,2-Dichloroethane
Concen: 48.749 ug/l
RT: 6.098 min Scan# 822
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 62 Resp: 194195

Ion	Ratio	Lower	Upper
62	100		
98	8.8	0.0	18.8



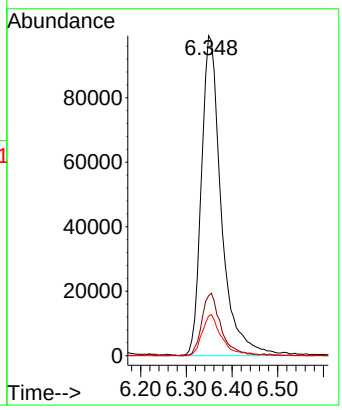


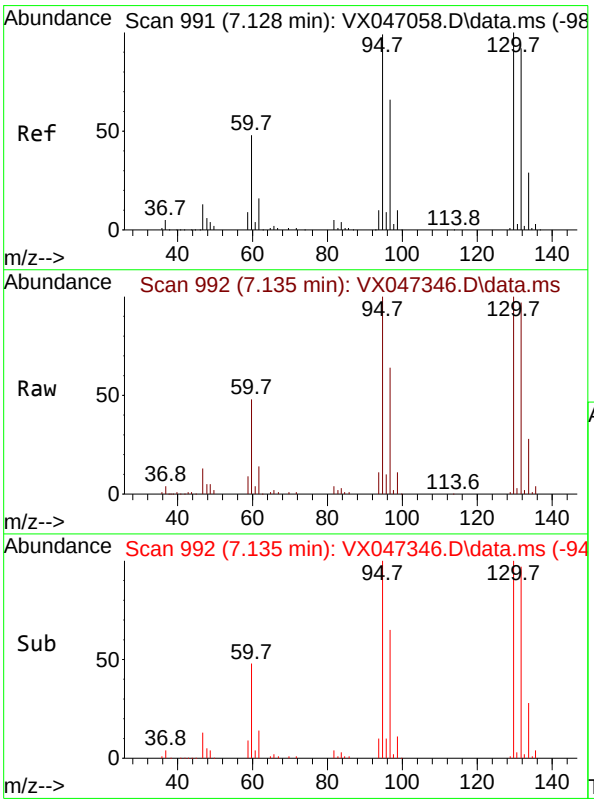
#43
Isopropyl Acetate
Concen: 53.447 ug/l
RT: 6.348 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 300019

Ion	Ratio	Lower	Upper
43	100		
61	18.7	15.1	22.7
87	12.6	9.7	14.5

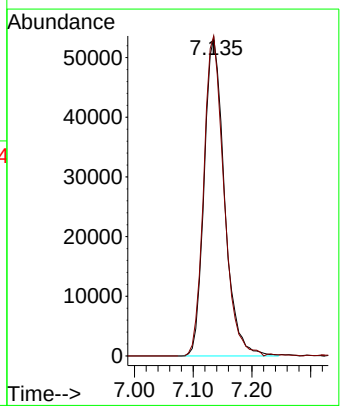


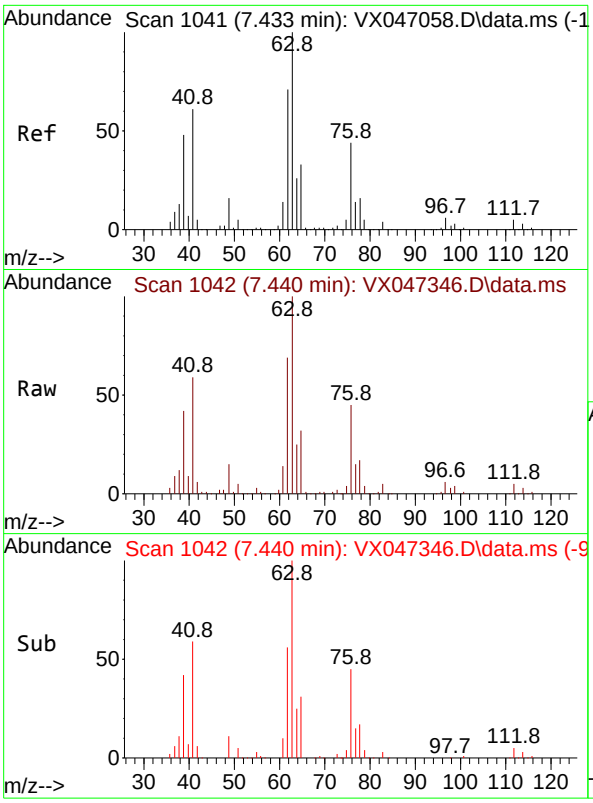


#44
Trichloroethene
Concen: 44.020 ug/l
RT: 7.135 min Scan# 992
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:130 Resp: 127653

Ion	Ratio	Lower	Upper
130	100		
95	100.5	0.0	198.6



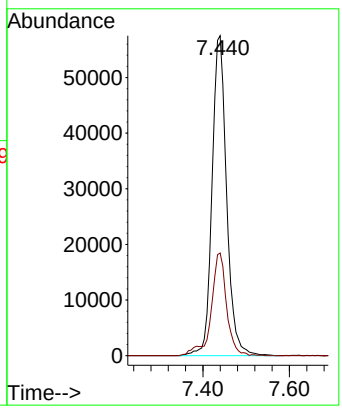


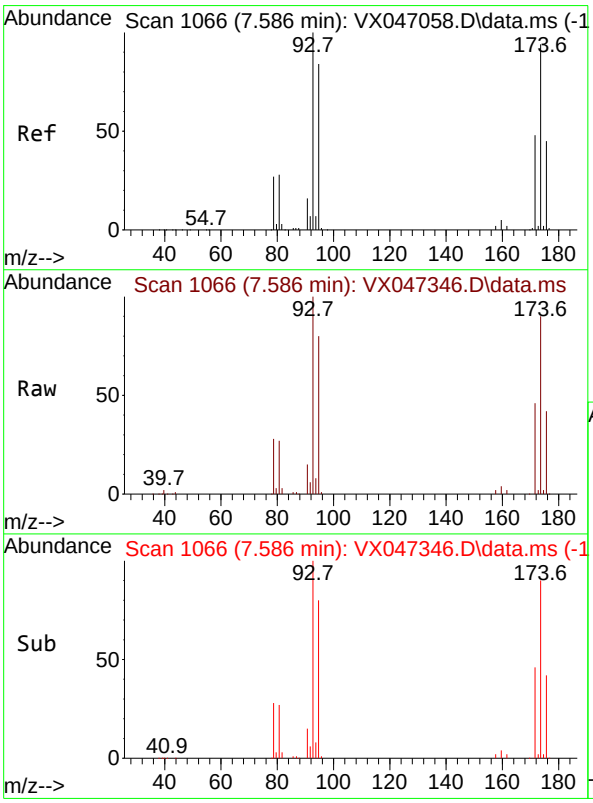
#45
1,2-Dichloropropane
Concen: 47.350 ug/l
RT: 7.440 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 63 Resp: 134112

Ion	Ratio	Lower	Upper
63	100		
65	32.1	26.3	39.5

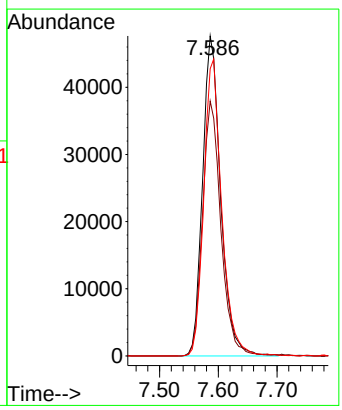


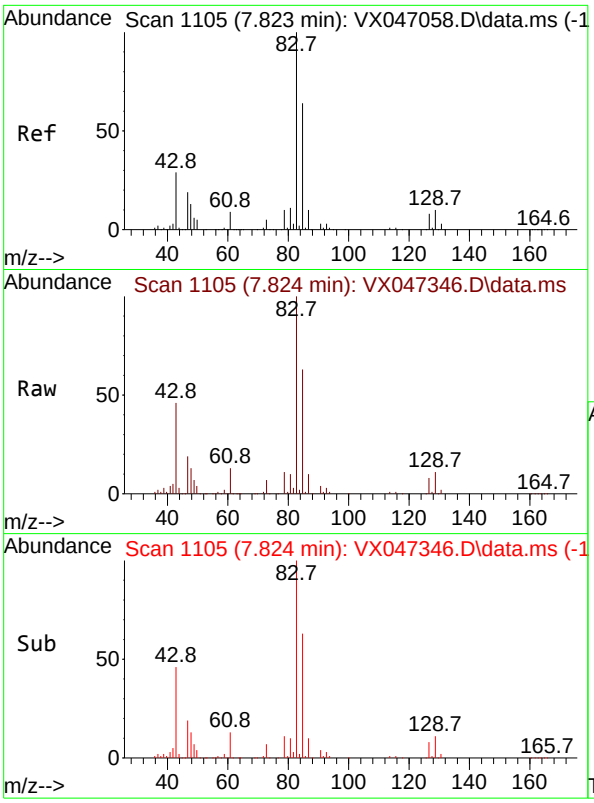


#46
Dibromomethane
Concen: 51.312 ug/l
RT: 7.586 min Scan# 1066
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 93 Resp: 101916

Ion	Ratio	Lower	Upper
93	100		
95	80.7	65.9	98.9
174	92.3	74.6	112.0



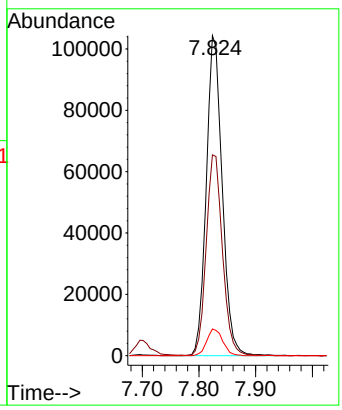


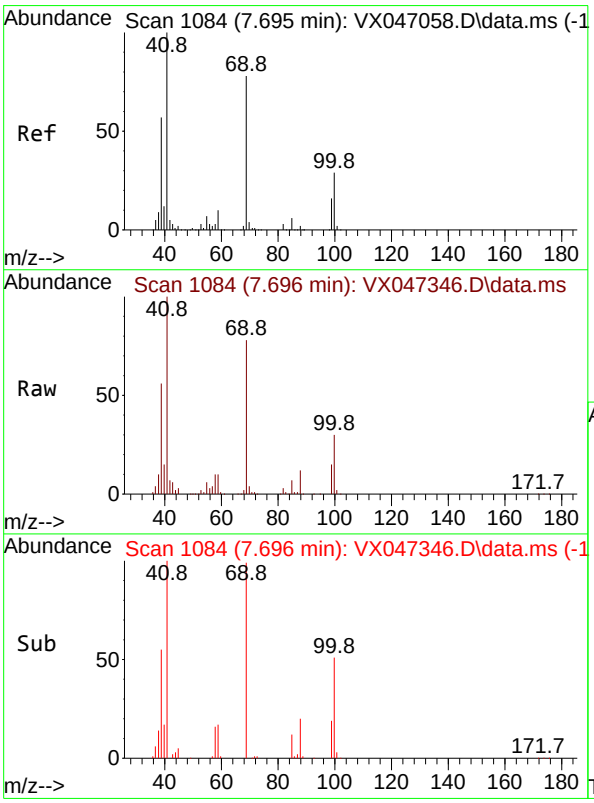
#47
Bromodichloromethane
Concen: 48.109 ug/l
RT: 7.824 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 203387

Ion	Ratio	Lower	Upper
83	100		
85	62.8	49.9	74.9
127	8.3	6.6	10.0

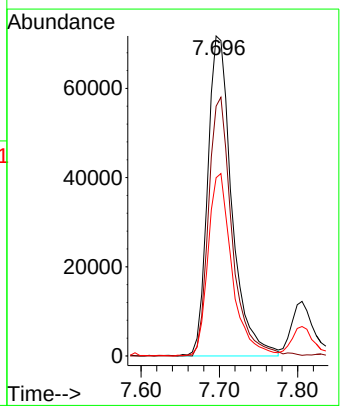


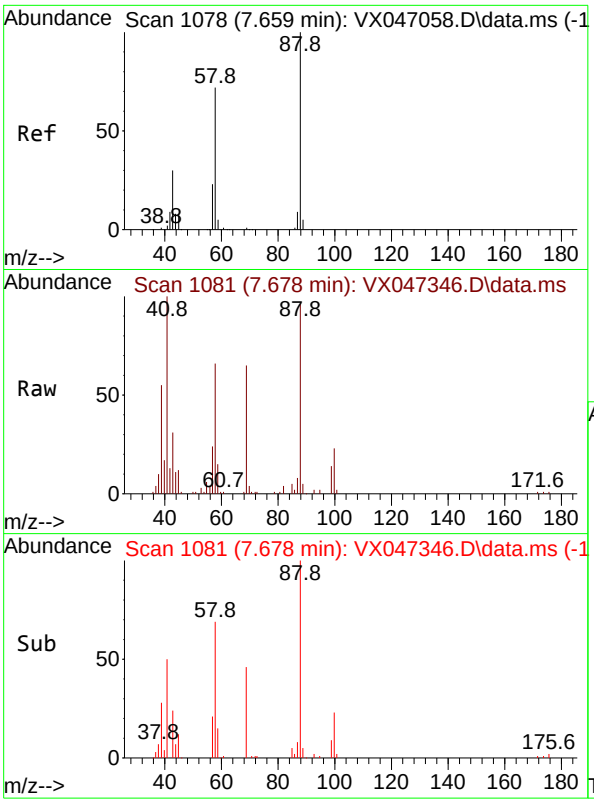


#48
Methyl methacrylate
Concen: 50.286 ug/l
RT: 7.696 min Scan# 1084
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 41 Resp: 153774

Ion	Ratio	Lower	Upper
41	100		
69	78.6	62.3	93.5
39	56.6	44.8	67.2



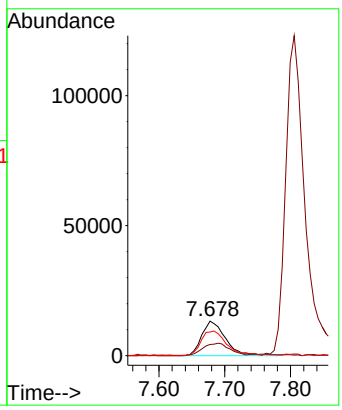


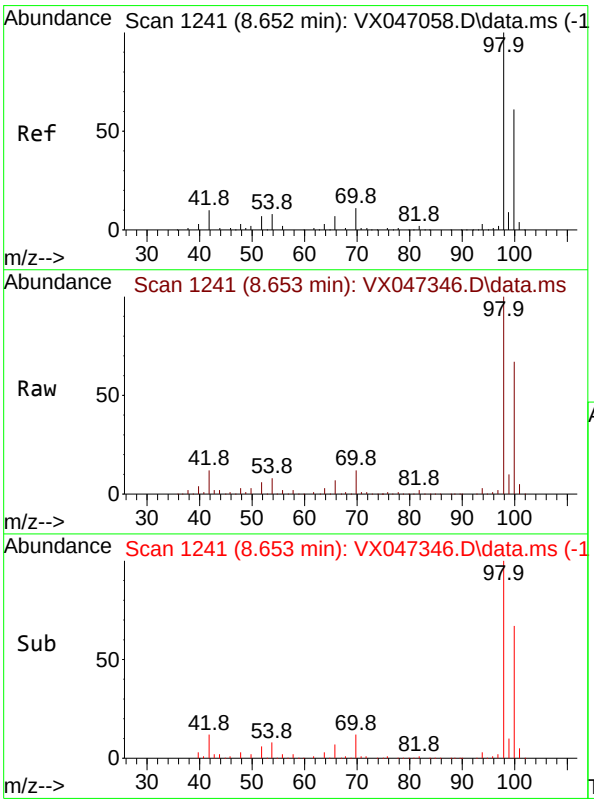
#49
1,4-Dioxane
Concen: 970.369 ug/l
RT: 7.678 min Scan# 1
Delta R.T. 0.019 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 88 Resp: 33750

Ion	Ratio	Lower	Upper
88	100		
43	38.7	33.6	50.4
58	78.0	58.8	88.2

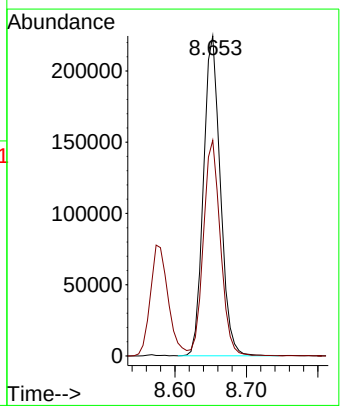


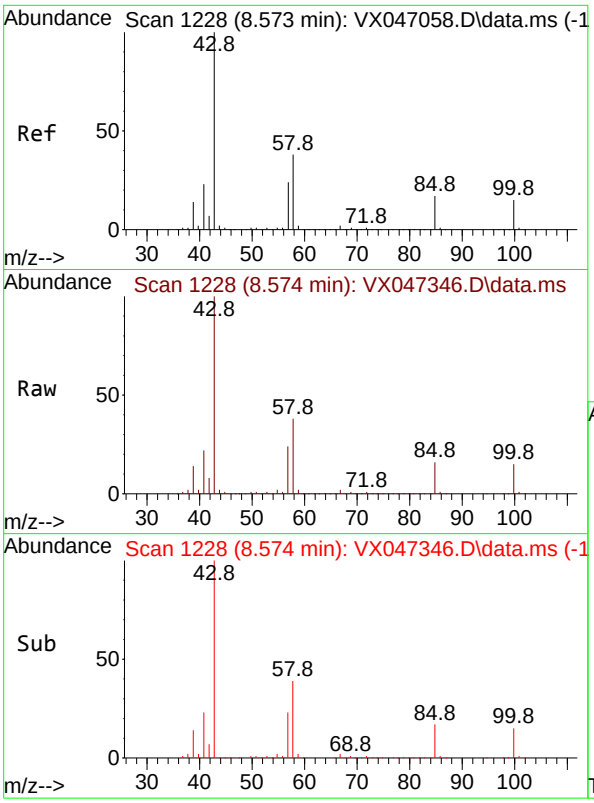


#50
Toluene-d8
Concen: 49.520 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 98 Resp: 367633

Ion	Ratio	Lower	Upper
98	100		
100	68.0	53.3	79.9



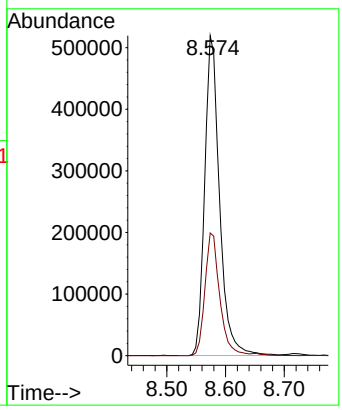


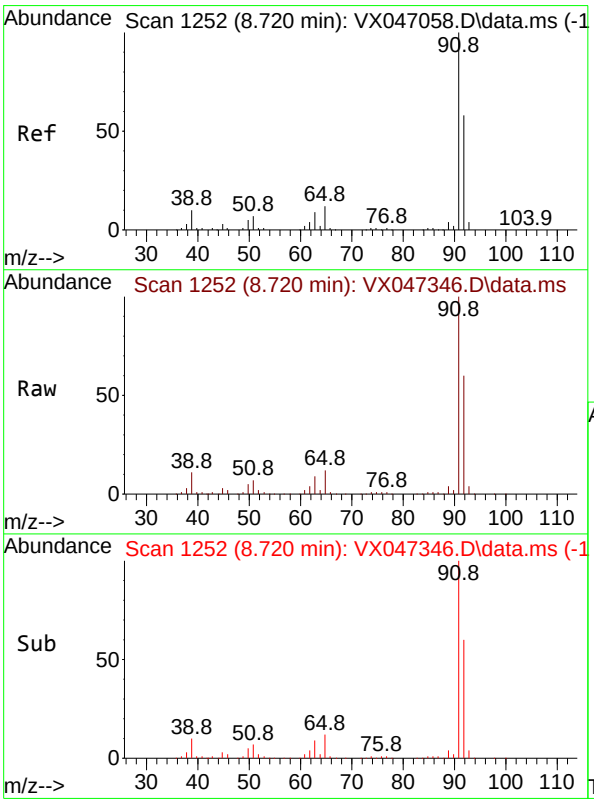
#51
4-Methyl-2-Pentanone
Concen: 273.536 ug/l
RT: 8.574 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 912658

Ion	Ratio	Lower	Upper
43	100		
58	38.2	30.6	45.8

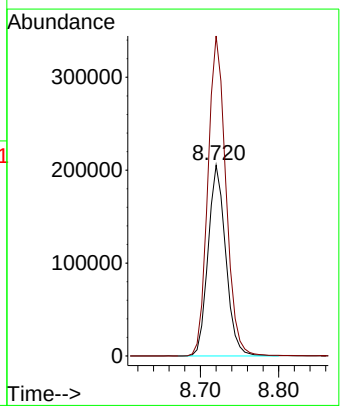


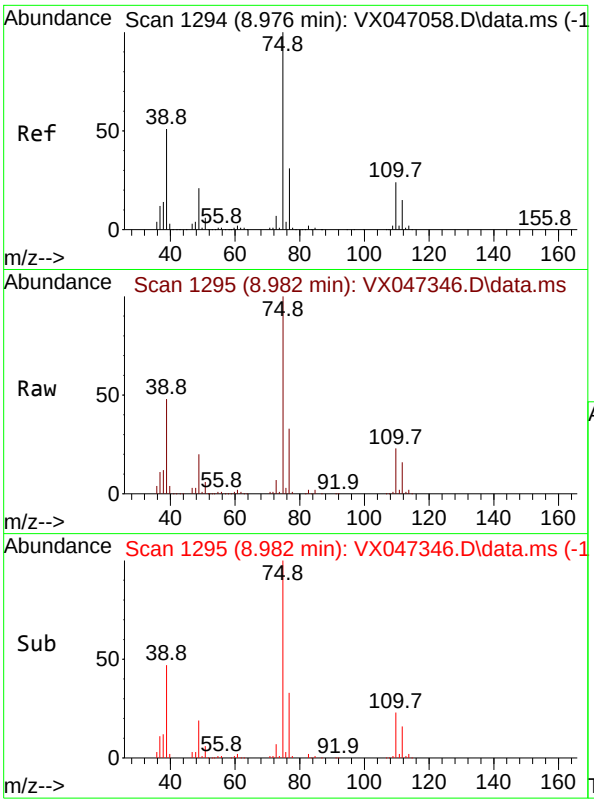


#52
Toluene
Concen: 46.158 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 92 Resp: 320957

Ion	Ratio	Lower	Upper
92	100		
91	171.6	137.9	206.9



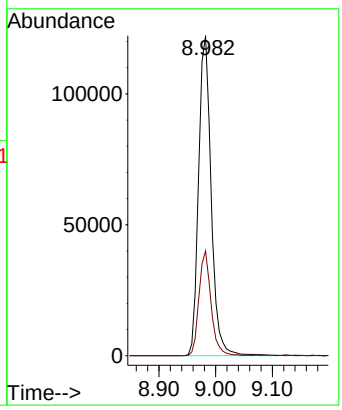


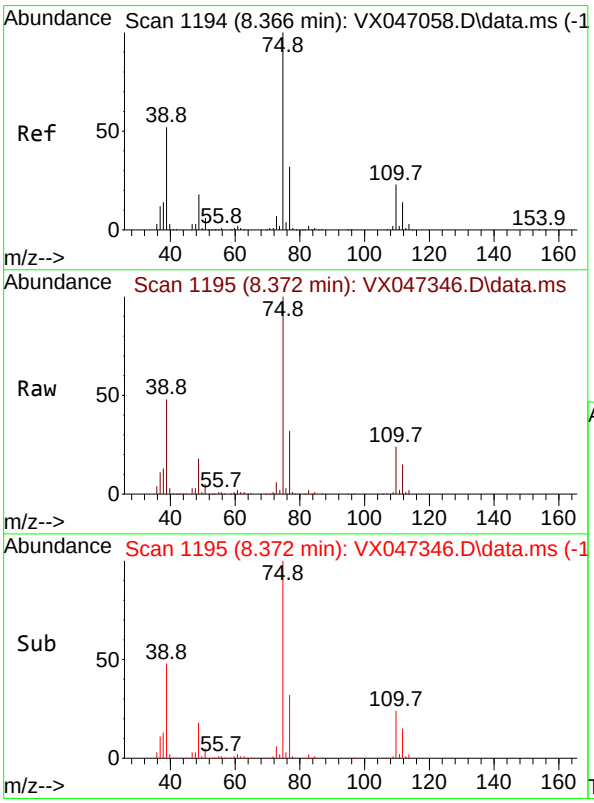
#53
t-1,3-Dichloropropene
Concen: 47.148 ug/l
RT: 8.982 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 188226

Ion	Ratio	Lower	Upper
75	100		
77	32.8	24.5	36.7

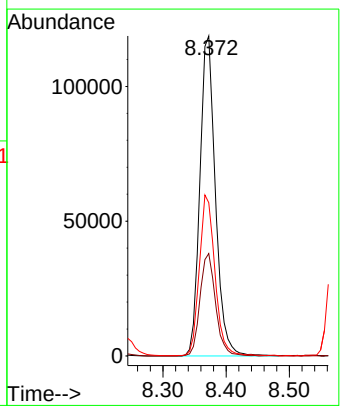


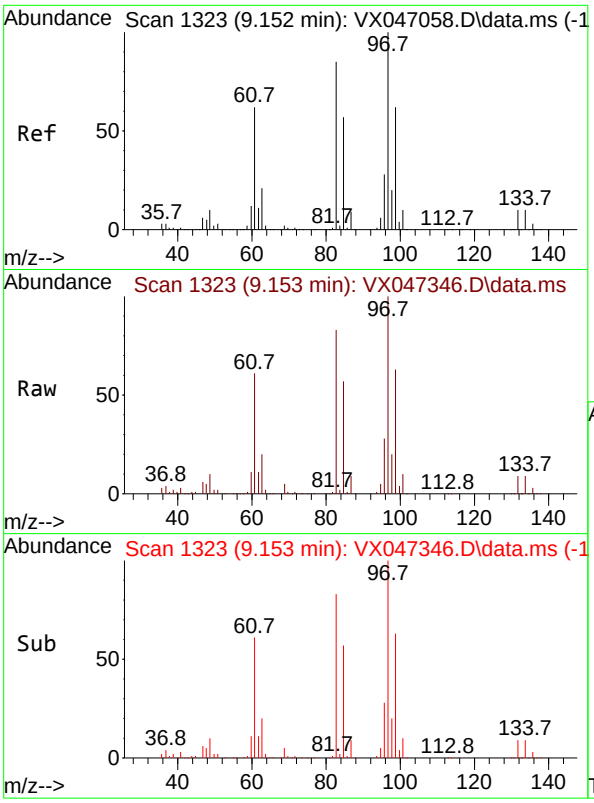


#54
cis-1,3-Dichloropropene
Concen: 46.601 ug/l
RT: 8.372 min Scan# 1195
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 75 Resp: 203618

Ion	Ratio	Lower	Upper
75	100		
77	32.0	25.4	38.0
39	47.8	41.8	62.6



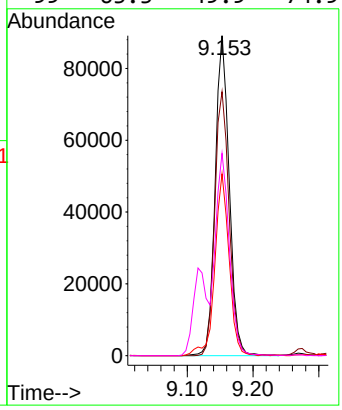


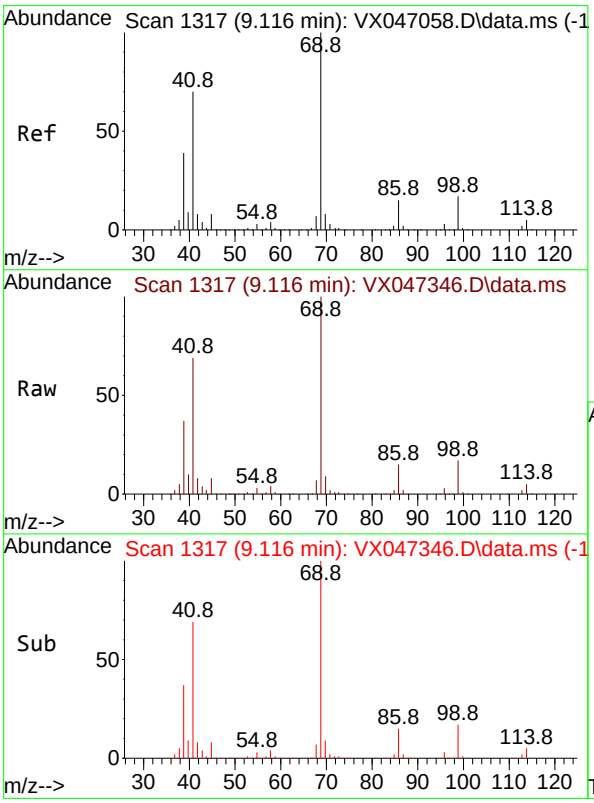
#55
1,1,2-Trichloroethane
Concen: 50.800 ug/l
RT: 9.153 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 97 Resp: 132472

Ion	Ratio	Lower	Upper
97	100		
83	82.5	68.0	102.0
85	56.8	45.2	67.8
99	63.3	49.9	74.9

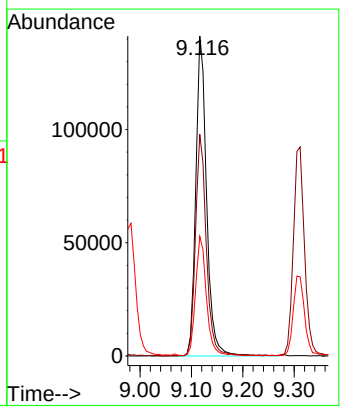


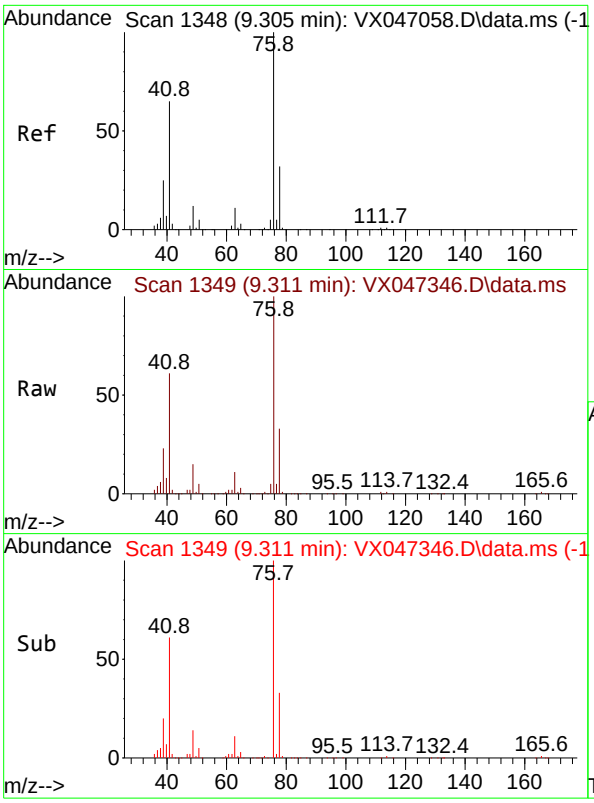


#56
Ethyl methacrylate
Concen: 53.433 ug/l
RT: 9.116 min Scan# 1317
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 69 Resp: 206281

Ion	Ratio	Lower	Upper
69	100		
41	70.0	56.1	84.1
39	37.1	31.1	46.7



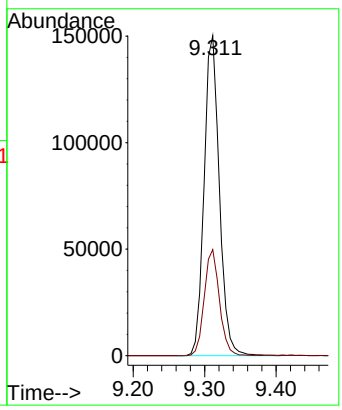


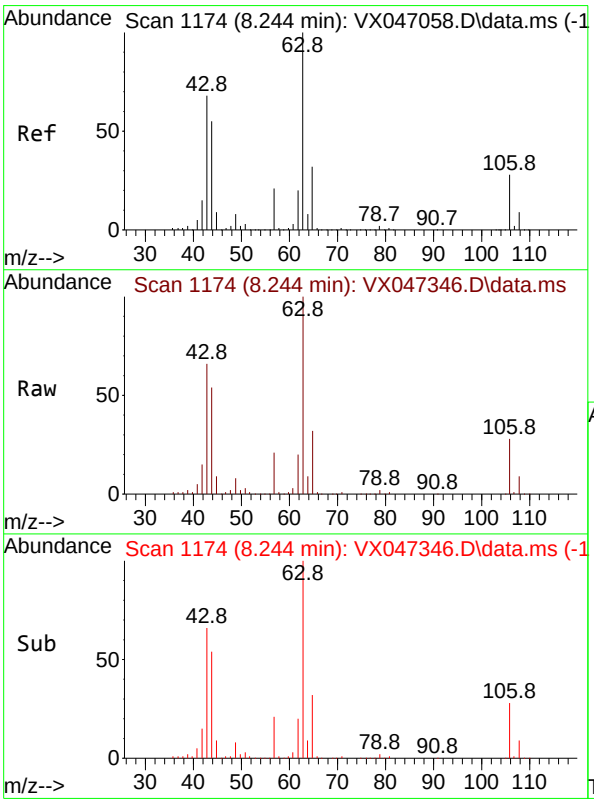
#57
1,3-Dichloropropane
Concen: 49.129 ug/l
RT: 9.311 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 76 Resp: 222657

Ion	Ratio	Lower	Upper
76	100		
78	33.1	25.5	38.3

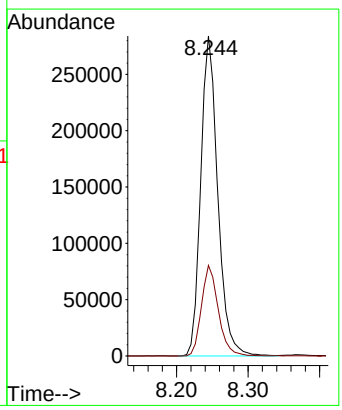


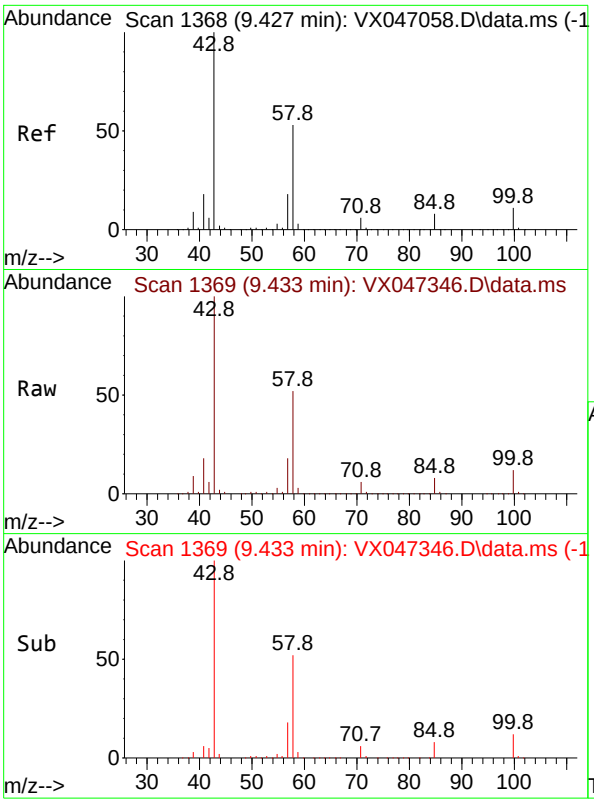


#58
2-Chloroethyl Vinyl ether
Concen: 218.383 ug/l
RT: 8.244 min Scan# 1174
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 63 Resp: 469143

Ion	Ratio	Lower	Upper
63	100		
106	28.0	22.2	33.4



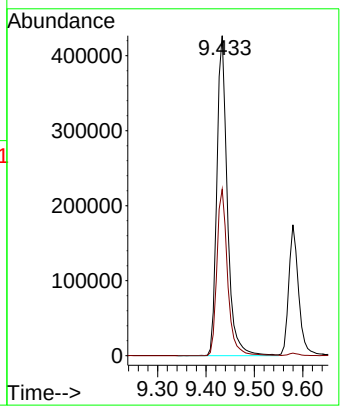


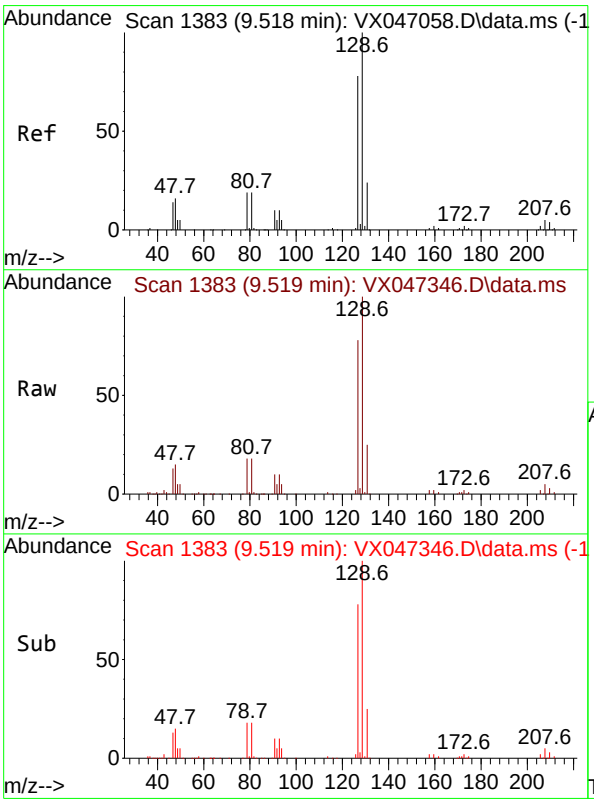
#59
2-Hexanone
Concen: 291.456 ug/l
RT: 9.433 min Scan# 1
Delta R.T. 0.007 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 43 Resp: 642479

Ion	Ratio	Lower	Upper
43	100		
58	53.0	26.5	79.5

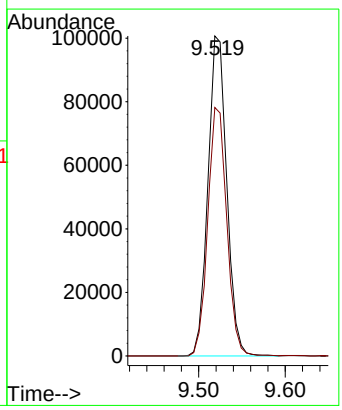


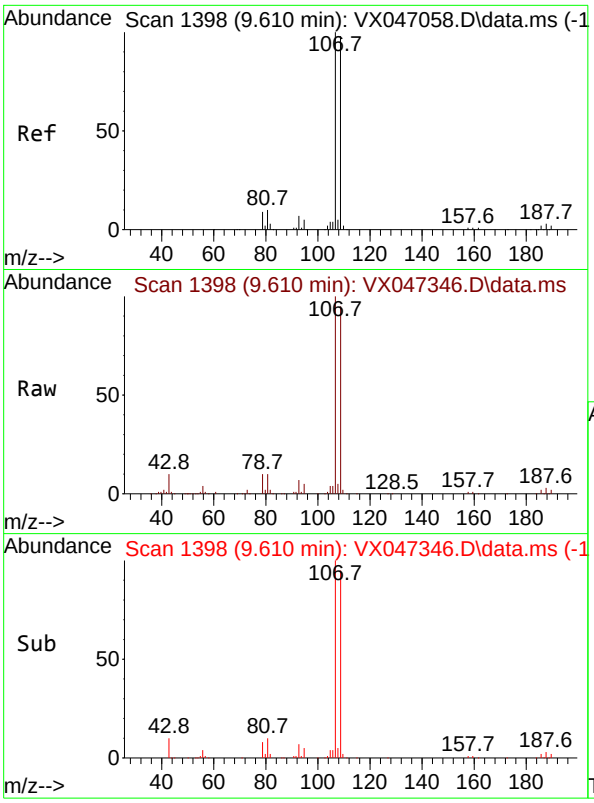


#60
Dibromochloromethane
Concen: 49.621 ug/l
RT: 9.519 min Scan# 1383
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:129 Resp: 151761

Ion	Ratio	Lower	Upper
129	100		
127	78.5	38.6	115.8



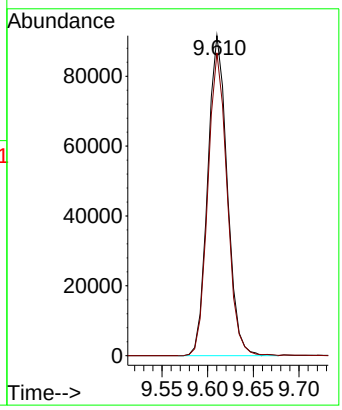


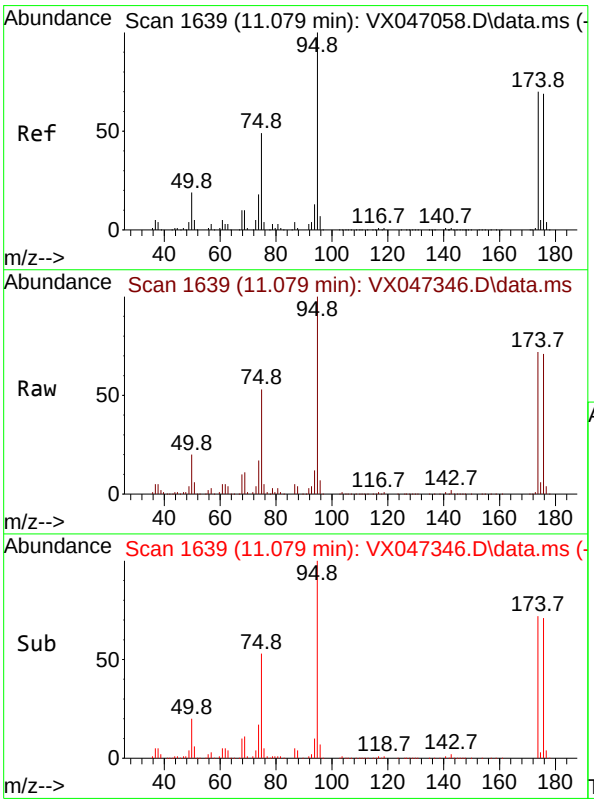
#61
1,2-Dibromoethane
Concen: 49.748 ug/l
RT: 9.610 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:107 Resp: 135649

Ion	Ratio	Lower	Upper
107	100		
109	93.3	74.6	112.0

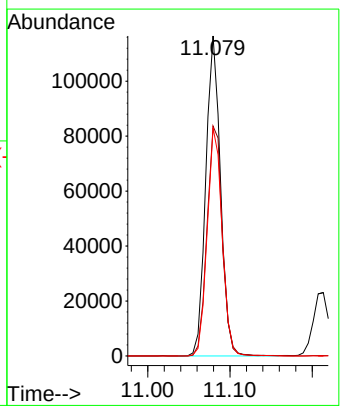


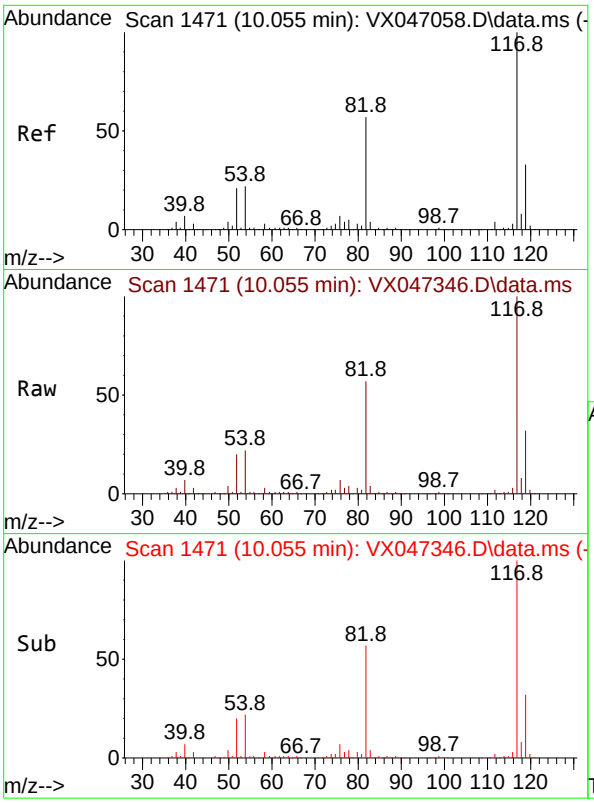


#62
4-Bromofluorobenzene
Concen: 45.296 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 95 Resp: 144917

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	144.6
176	72.1	0.0	139.6



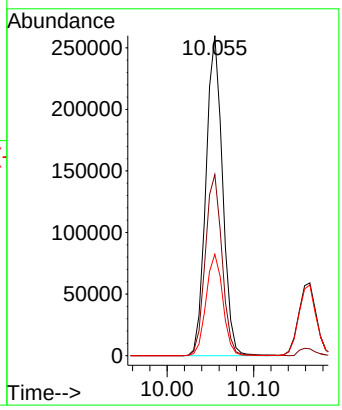


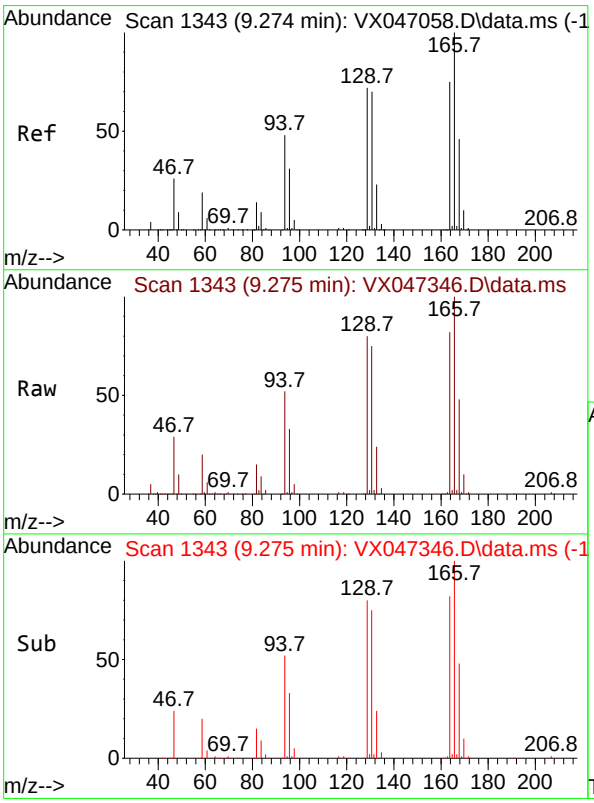
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:117 Resp: 345833

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.4	68.2
119	31.7	26.1	39.1

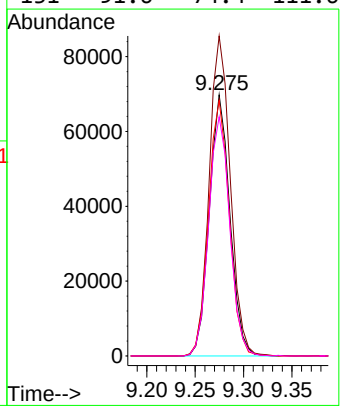


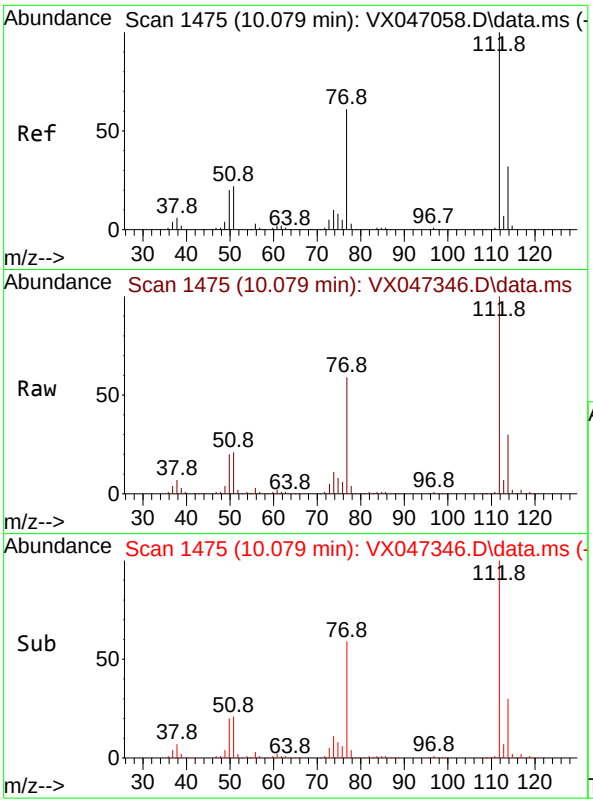


#64
Tetrachloroethene
Concen: 41.472 ug/l
RT: 9.275 min Scan# 1343
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:164 Resp: 103393

Ion	Ratio	Lower	Upper
164	100		
166	122.5	106.2	159.4
129	97.8	76.6	114.8
131	91.6	74.4	111.6



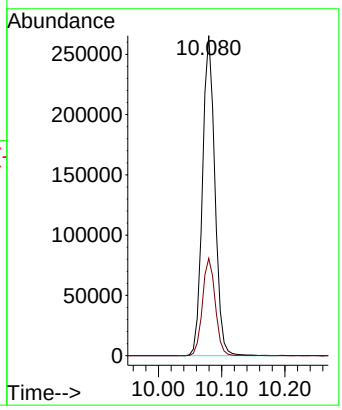


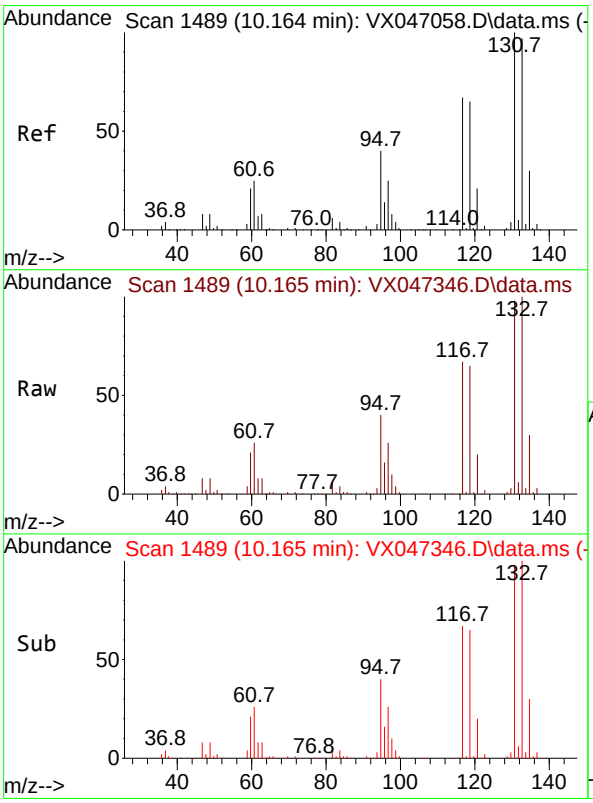
#65
Chlorobenzene
Concen: 44.744 ug/l
RT: 10.079 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:112 Resp: 362501

Ion	Ratio	Lower	Upper
112	100		
114	30.4	25.8	38.6

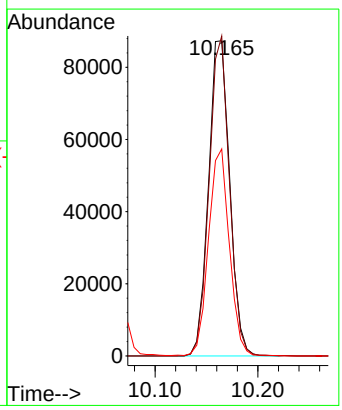


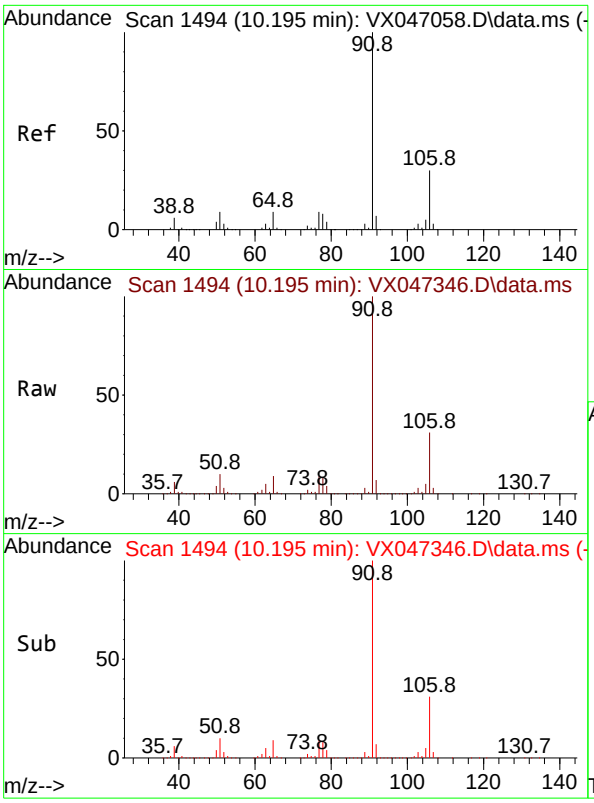


#66
1,1,1,2-Tetrachloroethane
Concen: 45.994 ug/l
RT: 10.165 min Scan# 1489
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:131 Resp: 125458

Ion	Ratio	Lower	Upper
131	100		
133	96.5	48.4	145.3
119	64.6	32.4	97.0



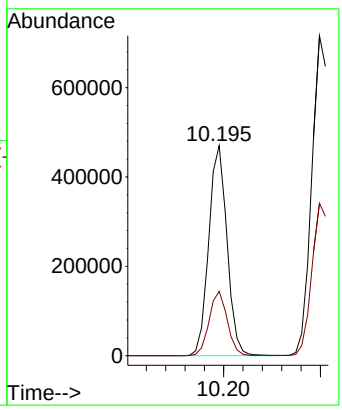


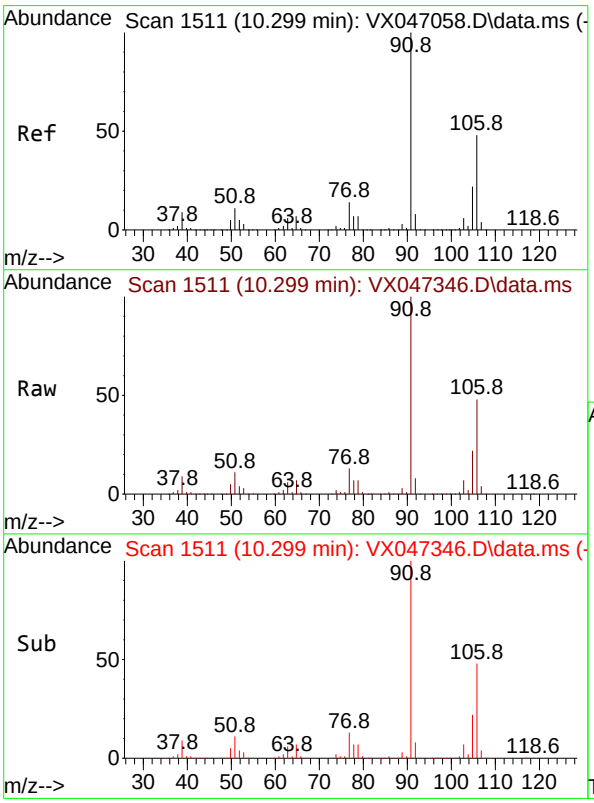
#67
Ethyl Benzene
Concen: 43.616 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 617847

Ion	Ratio	Lower	Upper
91	100		
106	30.6	24.2	36.4

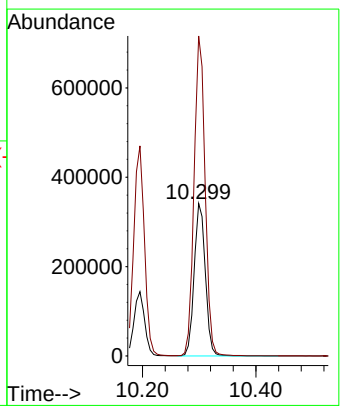


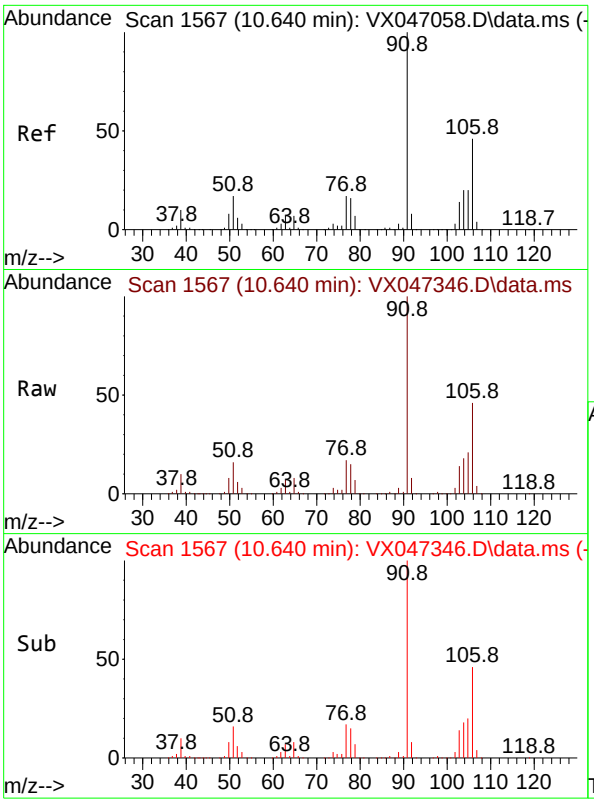


#68
m/p-Xylenes
Concen: 87.716 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:106 Resp: 464984

Ion	Ratio	Lower	Upper
106	100		
91	208.2	167.4	251.0



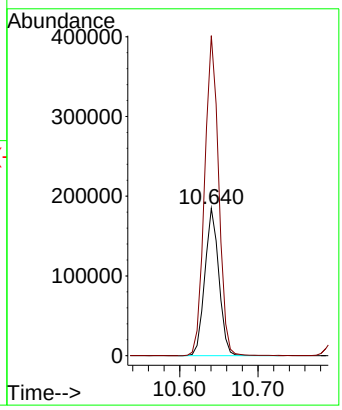


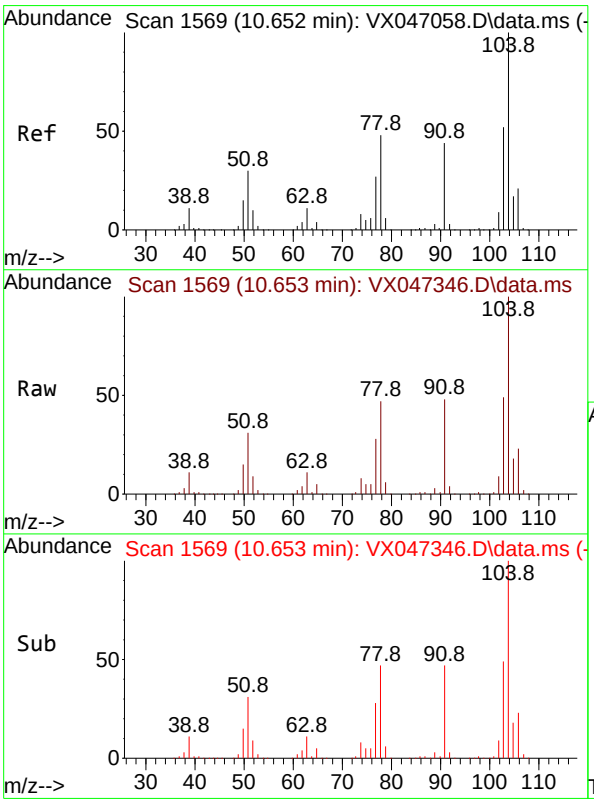
#69
o-Xylene
Concen: 45.384 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:106 Resp: 228871

Ion	Ratio	Lower	Upper
106	100		
91	217.8	110.3	331.0

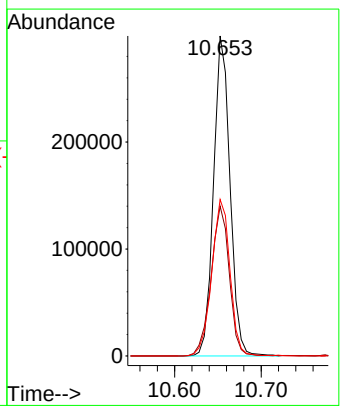


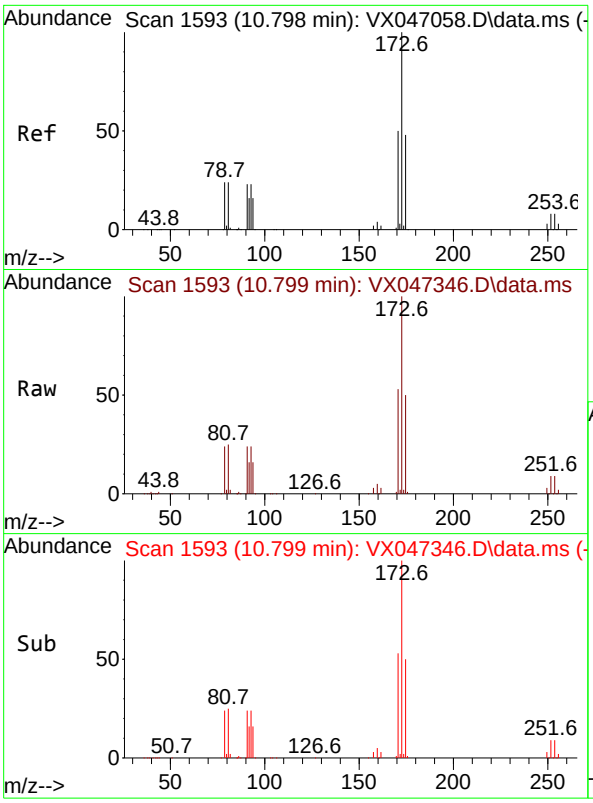


#70
Styrene
Concen: 45.654 ug/l
RT: 10.653 min Scan# 1569
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:104 Resp: 394790

Ion	Ratio	Lower	Upper
104	100		
78	52.1	42.0	63.0
103	54.2	43.8	65.6



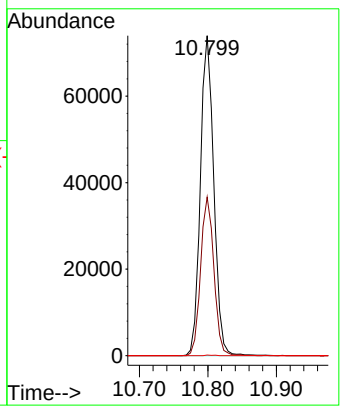


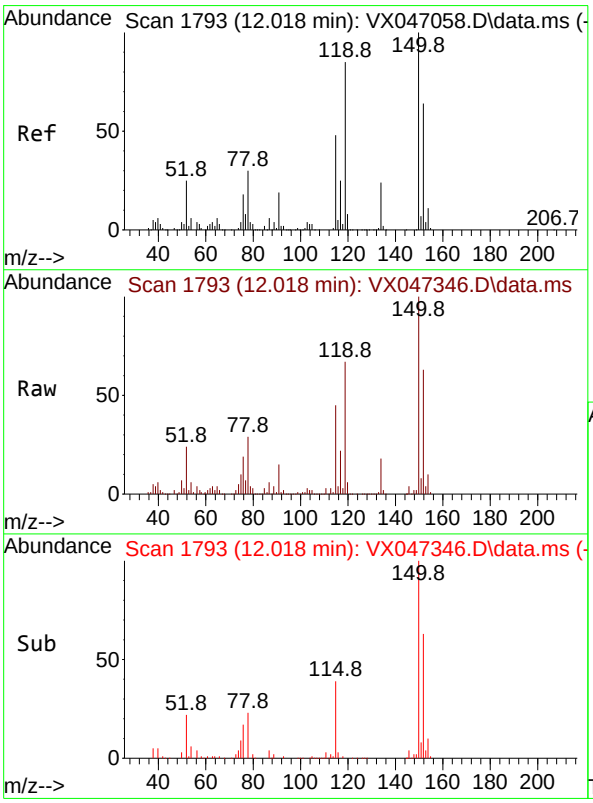
#71
Bromoform
Concen: 48.644 ug/l
RT: 10.799 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:173 Resp: 100790

Ion	Ratio	Lower	Upper
173	100		
175	49.2	24.2	72.6
254	0.1	0.1	0.1

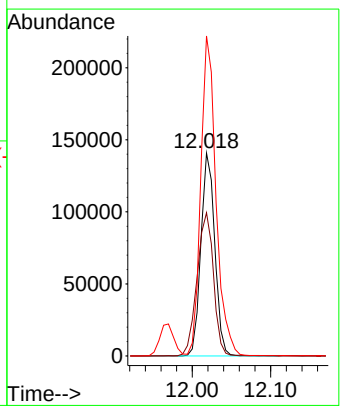


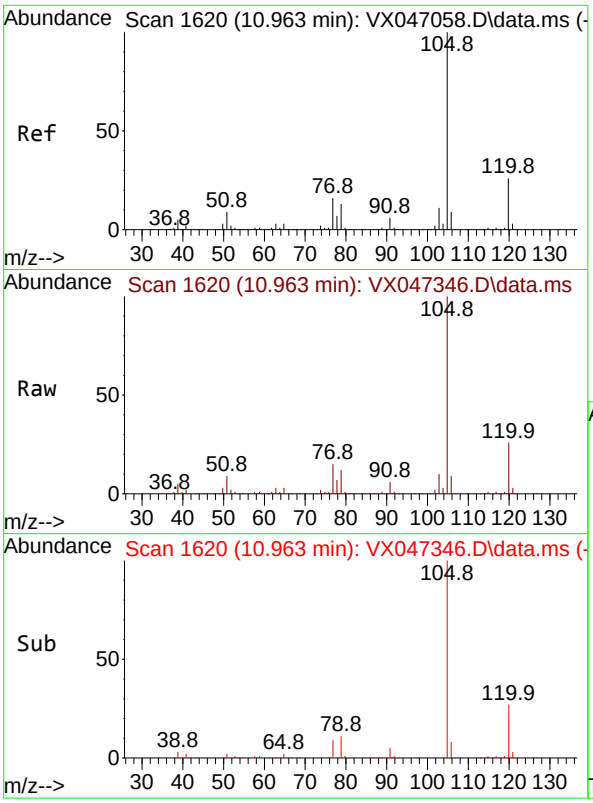


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:152 Resp: 173101

Ion	Ratio	Lower	Upper
152	100		
115	83.6	45.6	136.7
150	172.9	0.0	354.6



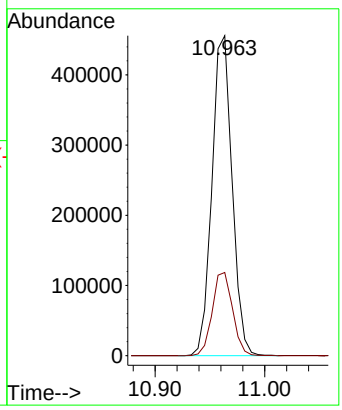


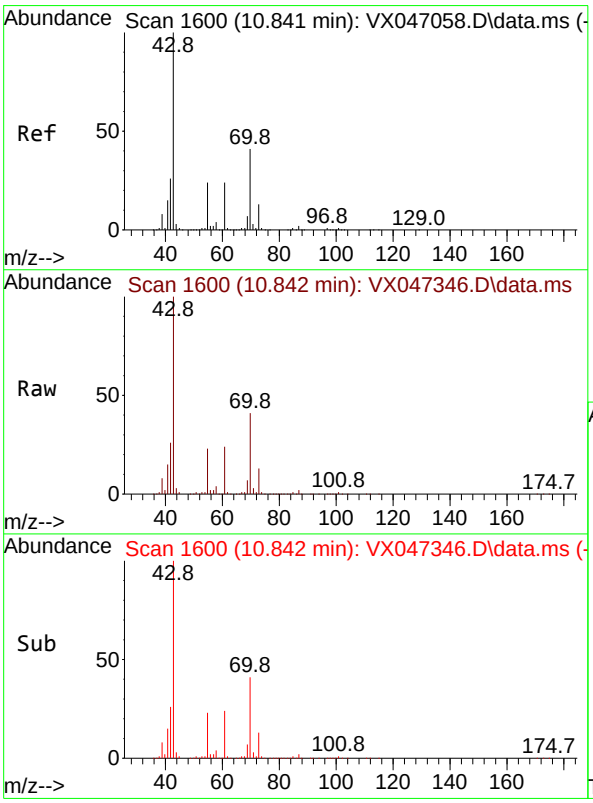
#73
Isopropylbenzene
Concen: 42.699 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 583129

Ion	Ratio	Lower	Upper
105	100		
120	26.2	12.9	38.7

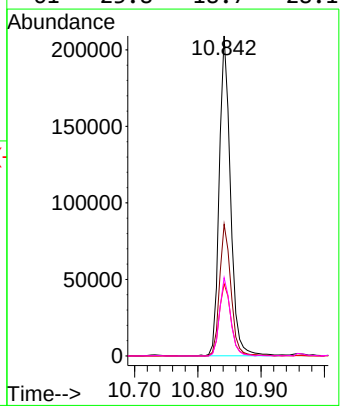


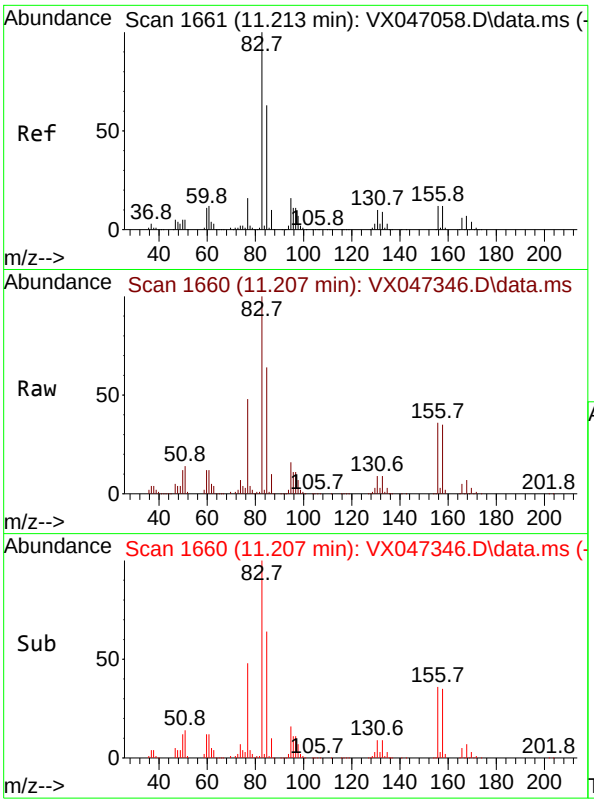


#74
N-amyl acetate
Concen: 46.606 ug/l
RT: 10.842 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 43 Resp: 256809

Ion	Ratio	Lower	Upper
43	100		
70	41.5	32.3	48.5
55	23.8	18.9	28.3
61	23.8	18.7	28.1



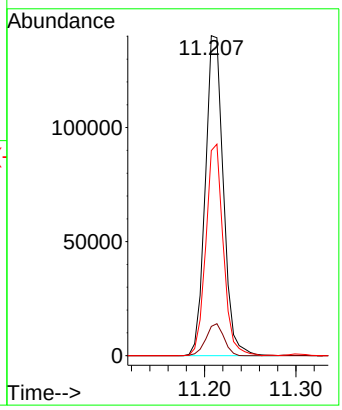


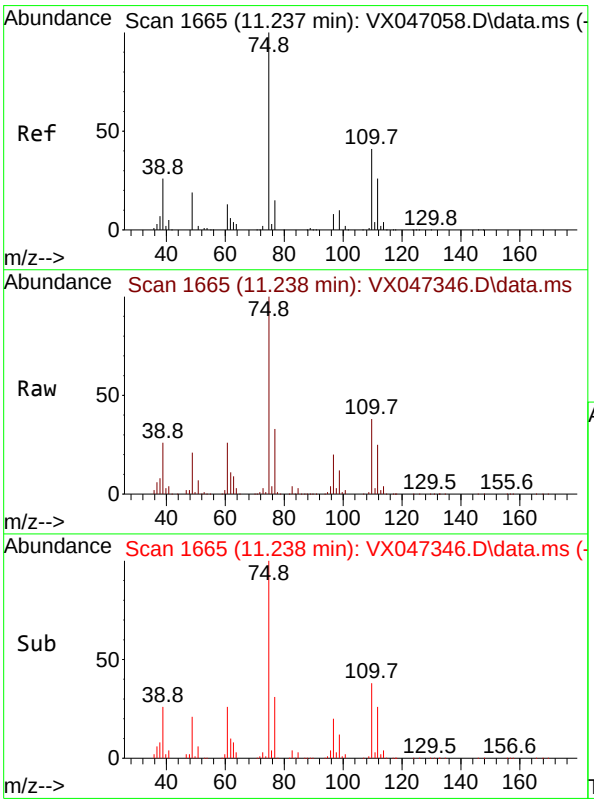
#75
1,1,2,2-Tetrachloroethane
Concen: 49.195 ug/l
RT: 11.207 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 83 Resp: 191907

Ion	Ratio	Lower	Upper
83	100		
131	10.0	5.0	14.9
85	63.9	32.0	96.2

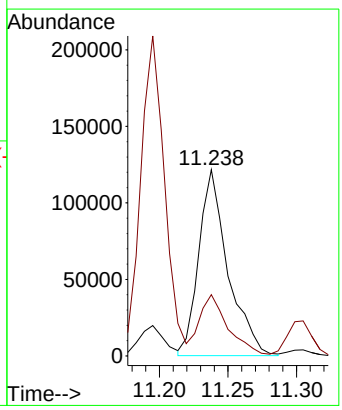


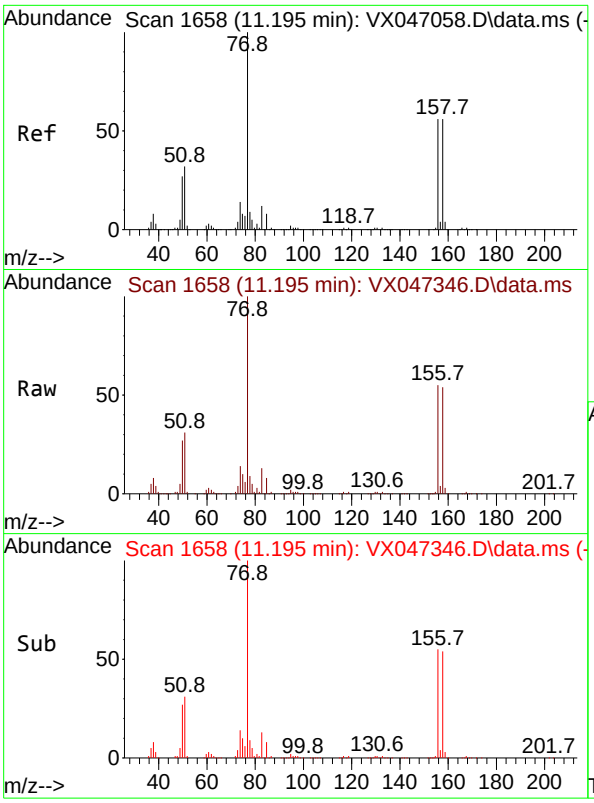


#76
1,2,3-Trichloropropane
Concen: 56.190 ug/l
RT: 11.238 min Scan# 1665
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 75 Resp: 180033

Ion	Ratio	Lower	Upper
75	100		
77	32.9	21.6	65.0



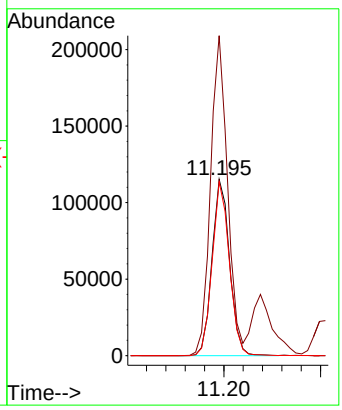


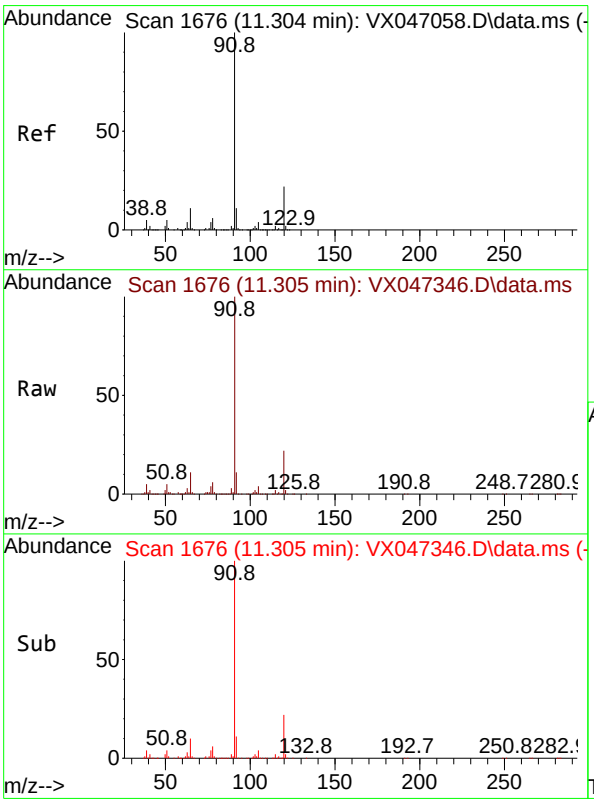
#77
Bromobenzene
Concen: 44.295 ug/l
RT: 11.195 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:156 Resp: 145093

Ion	Ratio	Lower	Upper
156	100		
77	175.4	87.3	261.9
158	96.8	48.9	146.6

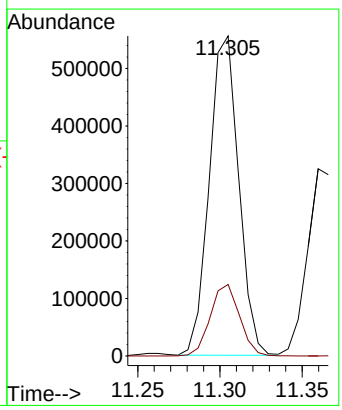


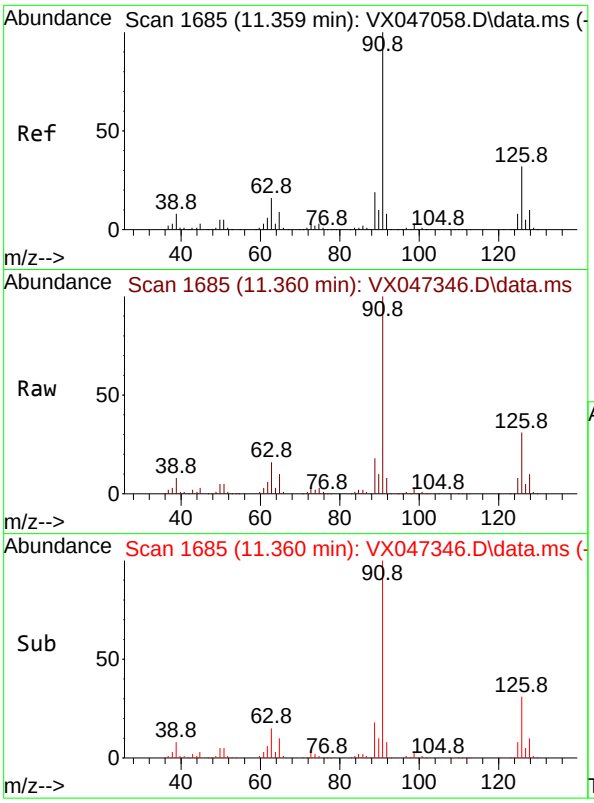


#78
n-propylbenzene
Concen: 42.392 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 91 Resp: 691822

Ion	Ratio	Lower	Upper
91	100		
120	22.3	11.0	33.0



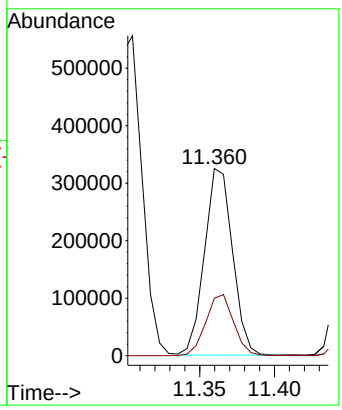


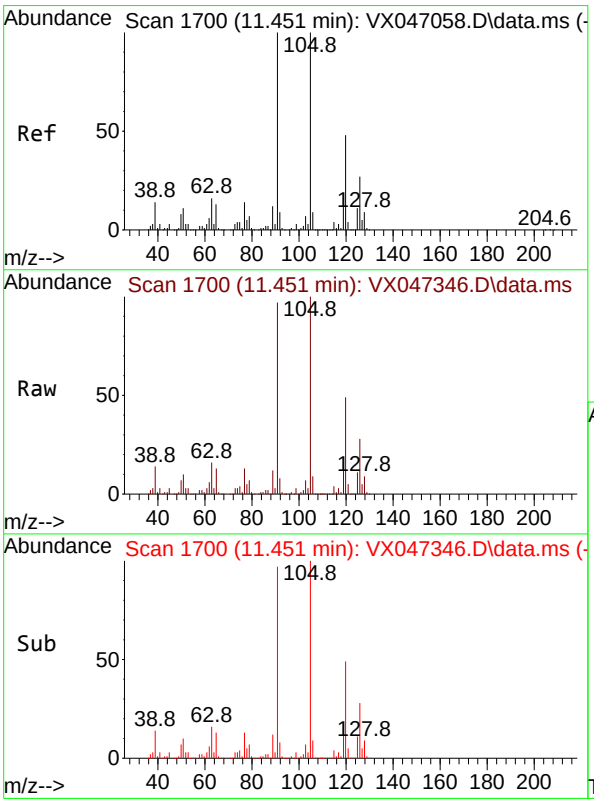
#79
2-Chlorotoluene
Concen: 43.408 ug/l
RT: 11.360 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 423456

Ion	Ratio	Lower	Upper
91	100		
126	32.6	16.4	49.4

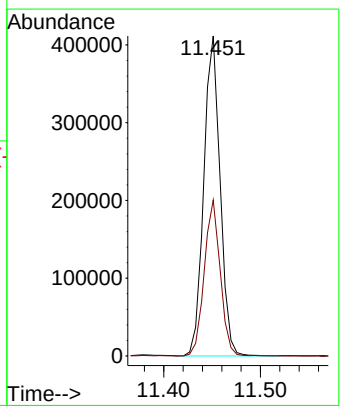


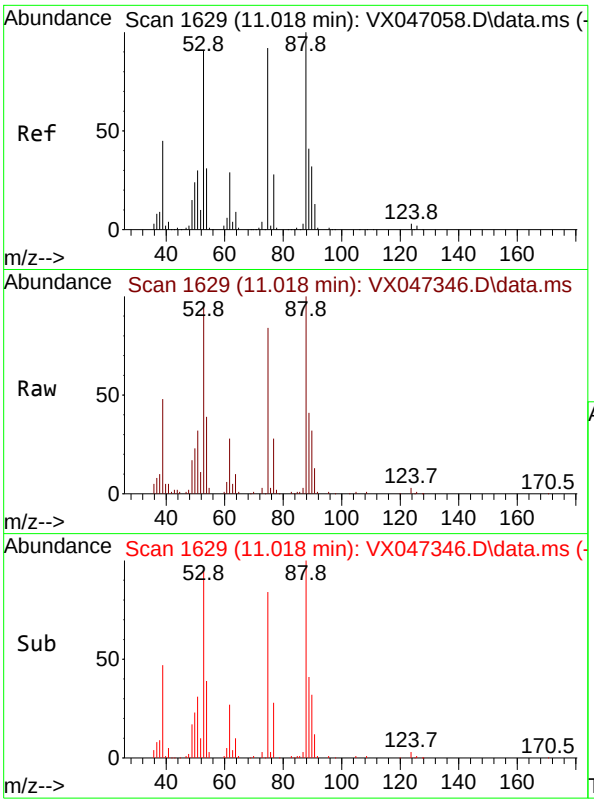


#80
1,3,5-Trimethylbenzene
Concen: 42.983 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:105 Resp: 484950

Ion	Ratio	Lower	Upper
105	100		
120	47.4	23.8	71.5



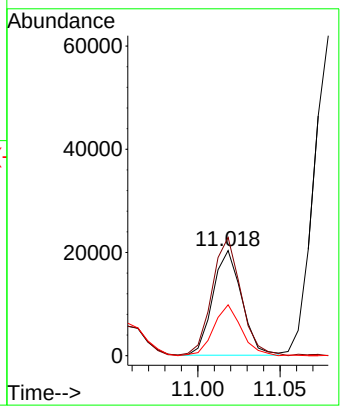


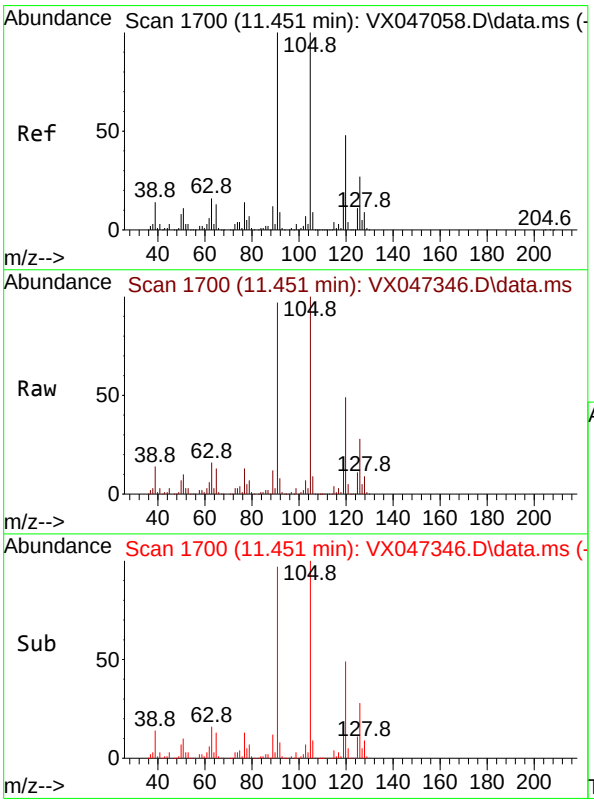
#81
trans-1,4-Dichloro-2-butene
Concen: 19.981 ug/l
RT: 11.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 75 Resp: 24849

Ion	Ratio	Lower	Upper
75	100		
53	113.0	84.2	126.4
89	46.9	36.0	54.0

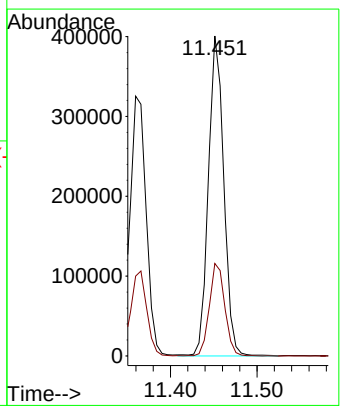


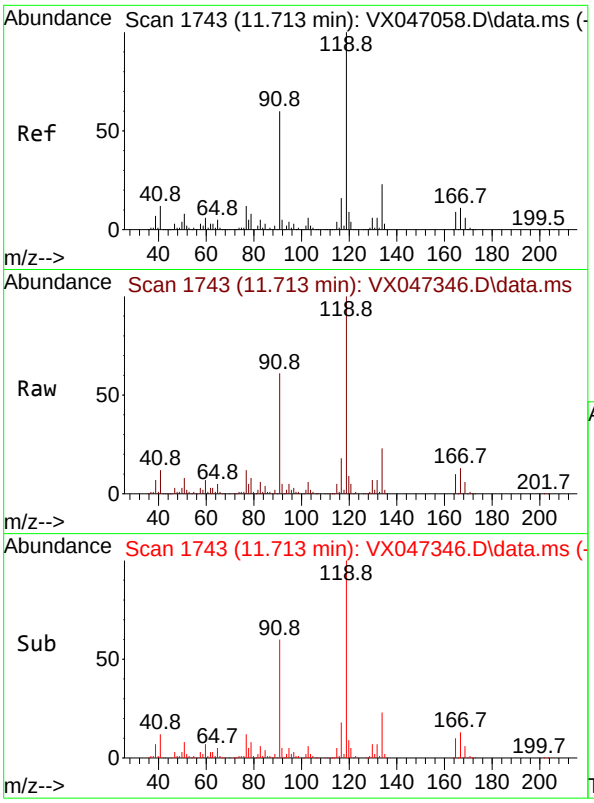


#82
4-Chlorotoluene
Concen: 43.498 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 91 Resp: 495295

Ion	Ratio	Lower	Upper
91	100		
126	28.9	14.1	42.3



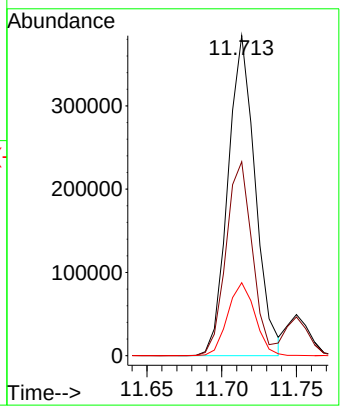


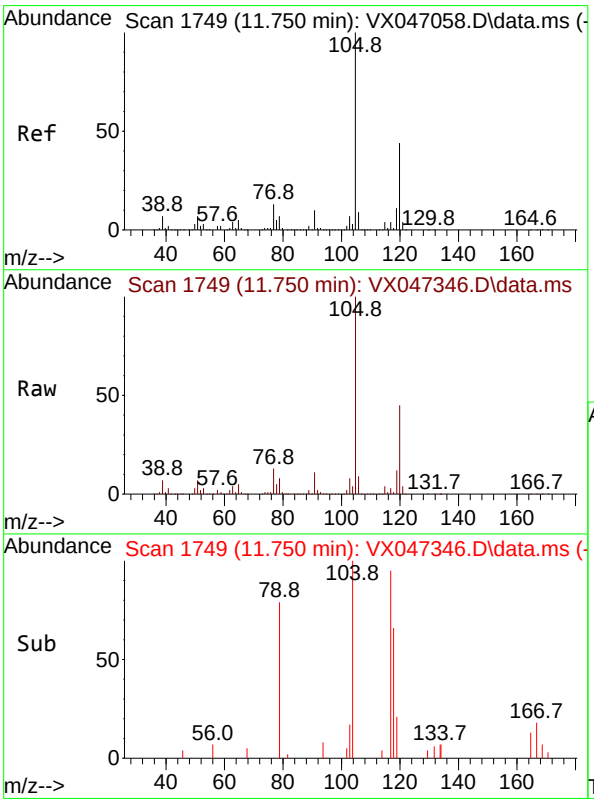
#83
tert-Butylbenzene
Concen: 42.963 ug/l
RT: 11.713 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:119 Resp: 486511

Ion	Ratio	Lower	Upper
119	100		
91	58.3	29.6	88.8
134	22.9	11.4	34.1

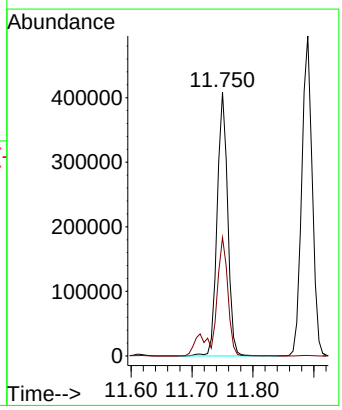


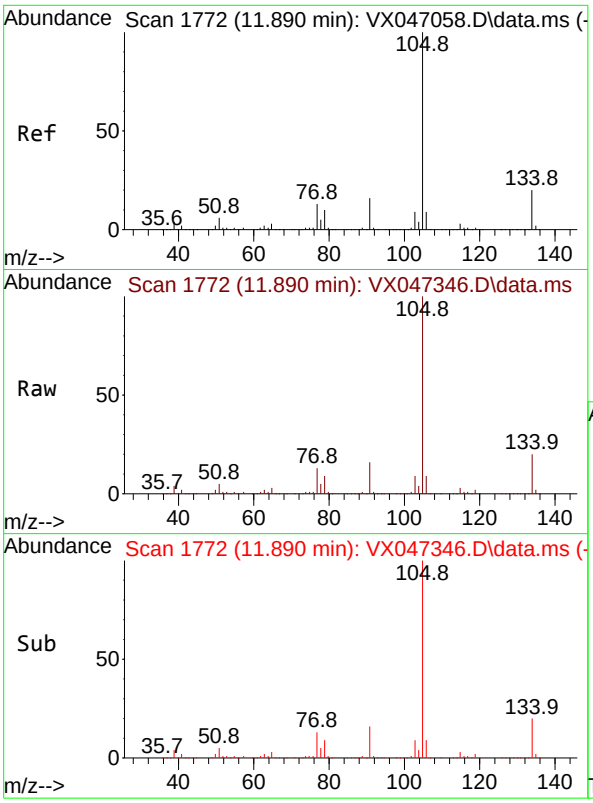


#84
1,2,4-Trimethylbenzene
Concen: 43.425 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:105 Resp: 488683

Ion	Ratio	Lower	Upper
105	100		
120	43.4	22.0	66.0



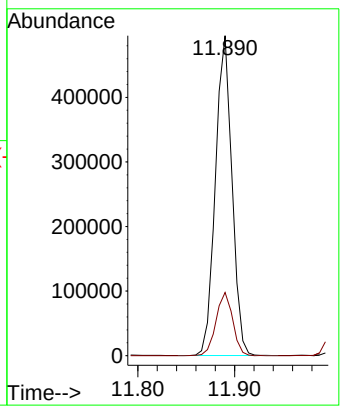


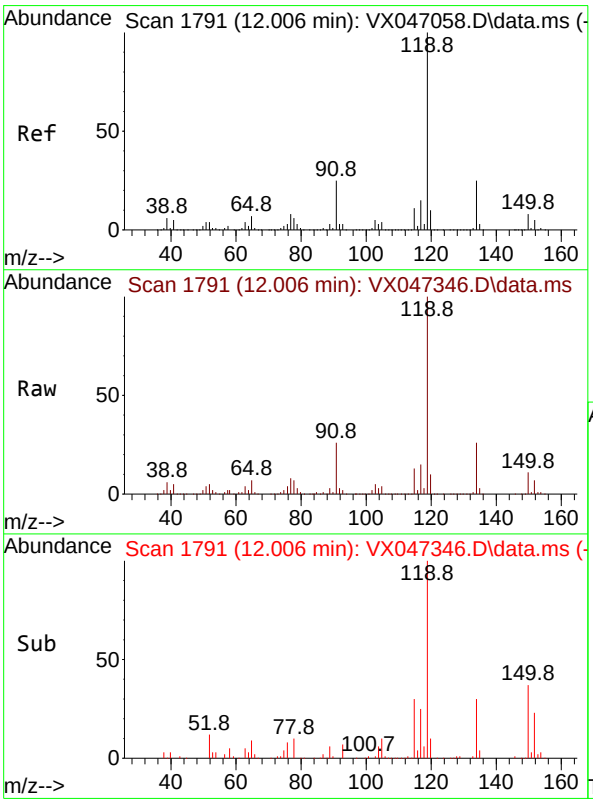
#85
sec-Butylbenzene
Concen: 41.609 ug/l
RT: 11.890 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:105 Resp: 588721

Ion	Ratio	Lower	Upper
105	100		
134	19.9	9.9	29.7

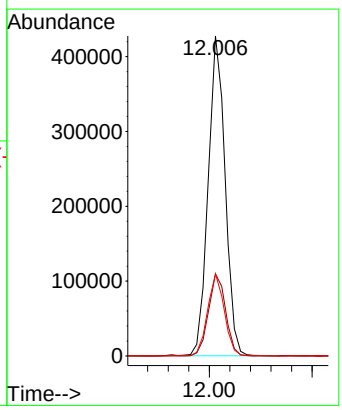


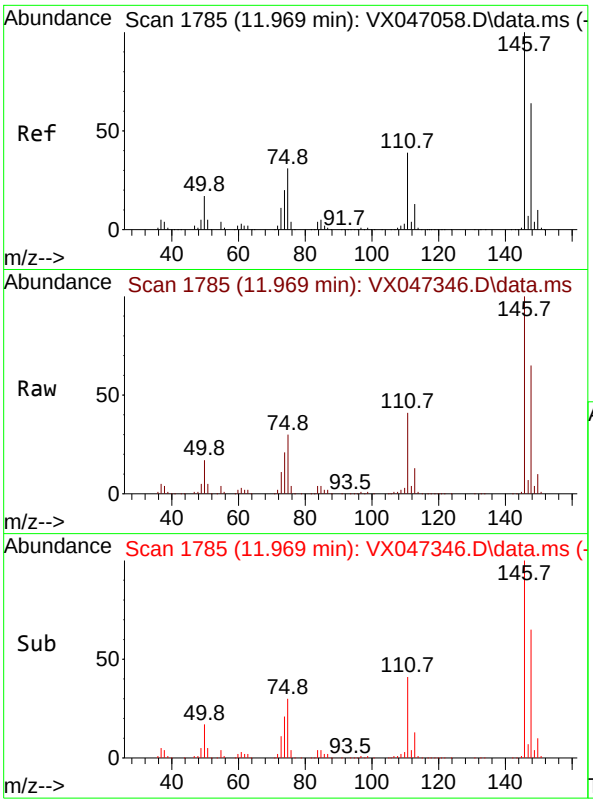


#86
p-Isopropyltoluene
Concen: 41.656 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:119 Resp: 488762

Ion	Ratio	Lower	Upper
119	100		
134	26.0	12.8	38.4
91	25.4	12.4	37.4



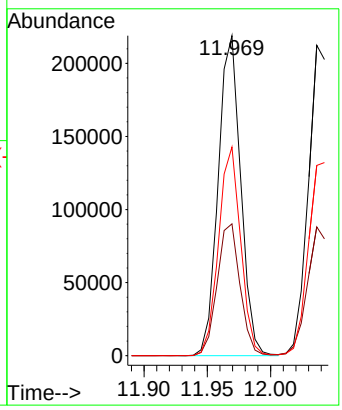


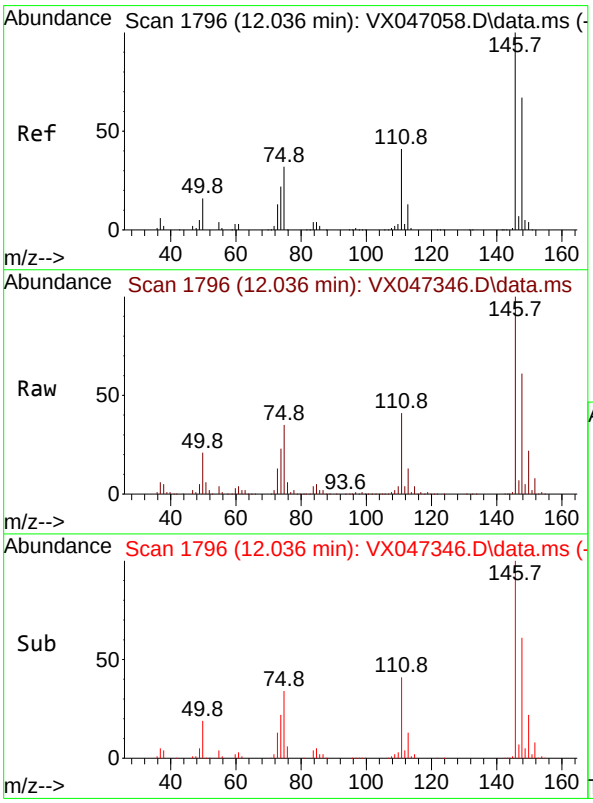
#87
1,3-Dichlorobenzene
Concen: 43.475 ug/l
RT: 11.969 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 270585

Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	64.1	32.0	96.0

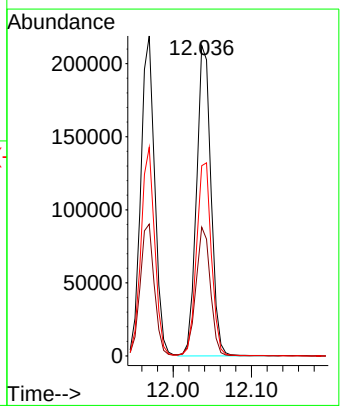


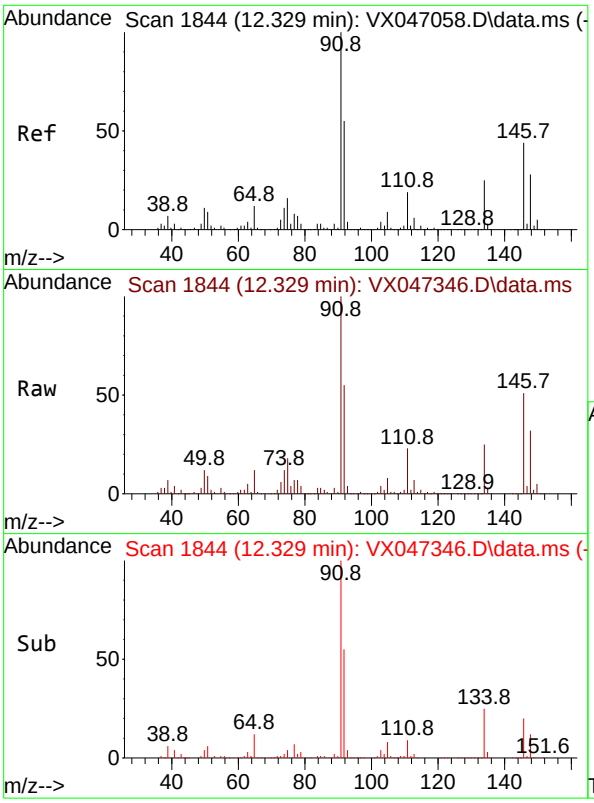


#88
1,4-Dichlorobenzene
Concen: 43.352 ug/l
RT: 12.036 min Scan# 1796
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:146 Resp: 273360

Ion	Ratio	Lower	Upper
146	100		
111	41.6	20.6	61.9
148	63.9	33.0	98.9



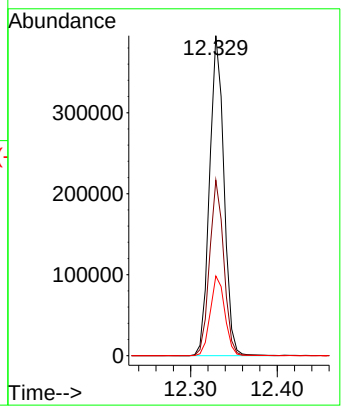


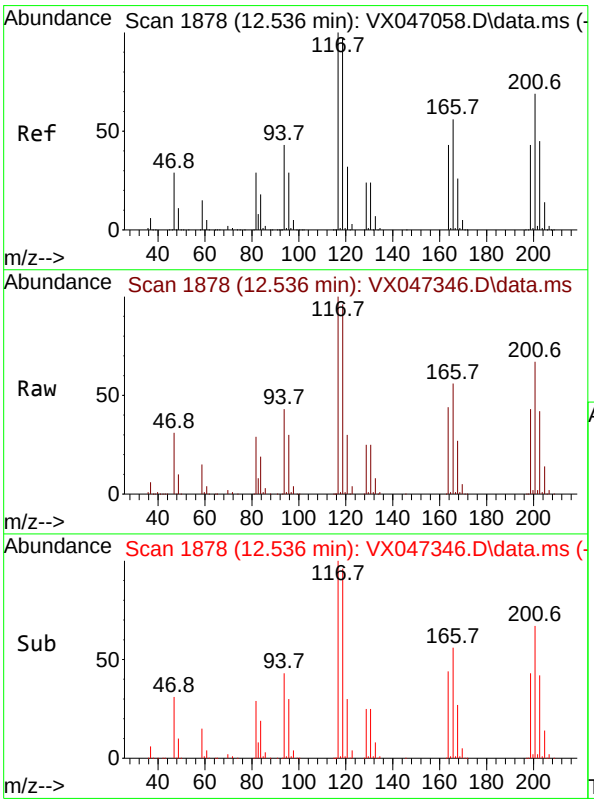
#89
n-Butylbenzene
Concen: 41.429 ug/l
RT: 12.329 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion: 91 Resp: 455867

Ion	Ratio	Lower	Upper
91	100		
92	54.2	27.5	82.5
134	25.3	12.8	38.3

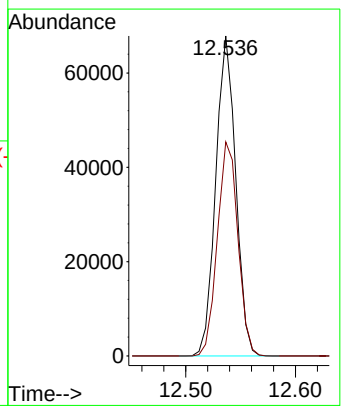


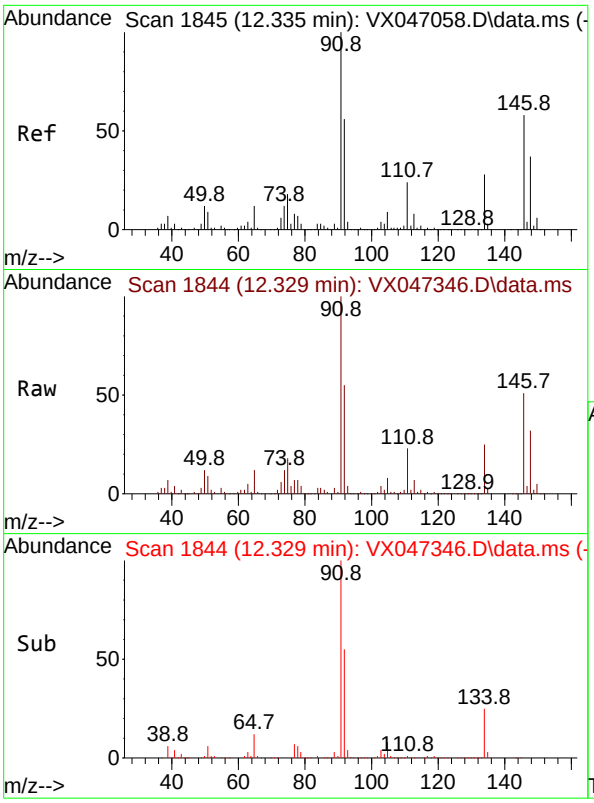


#90
Hexachloroethane
Concen: 40.942 ug/l
RT: 12.536 min Scan# 1878
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:117 Resp: 85939

Ion	Ratio	Lower	Upper
117	100		
201	68.9	34.8	104.5



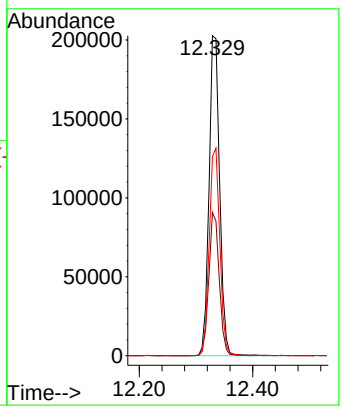


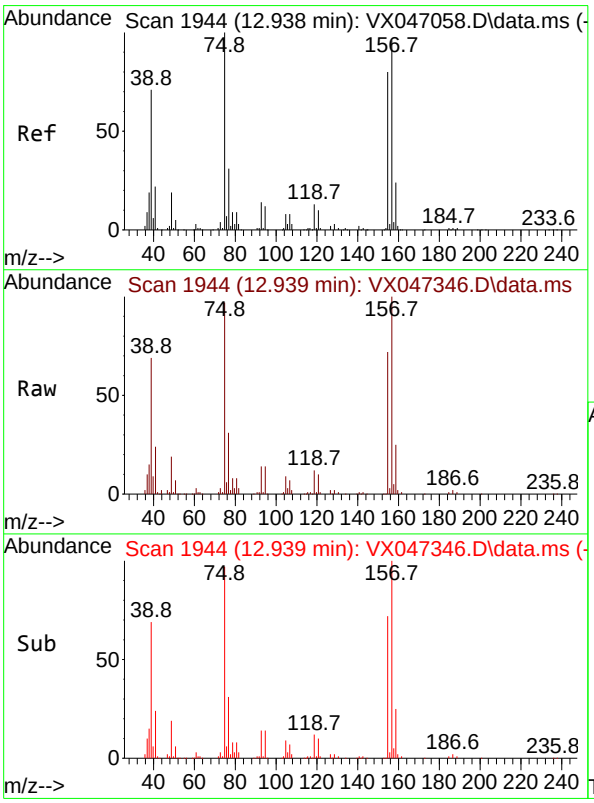
#91
1,2-Dichlorobenzene
Concen: 44.357 ug/l
RT: 12.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:146 Resp: 263855

Ion	Ratio	Lower	Upper
146	100		
111	44.0	21.6	64.6
148	65.1	31.9	95.7

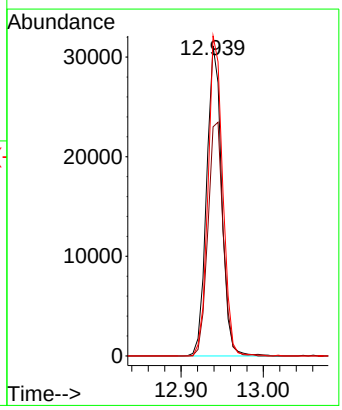


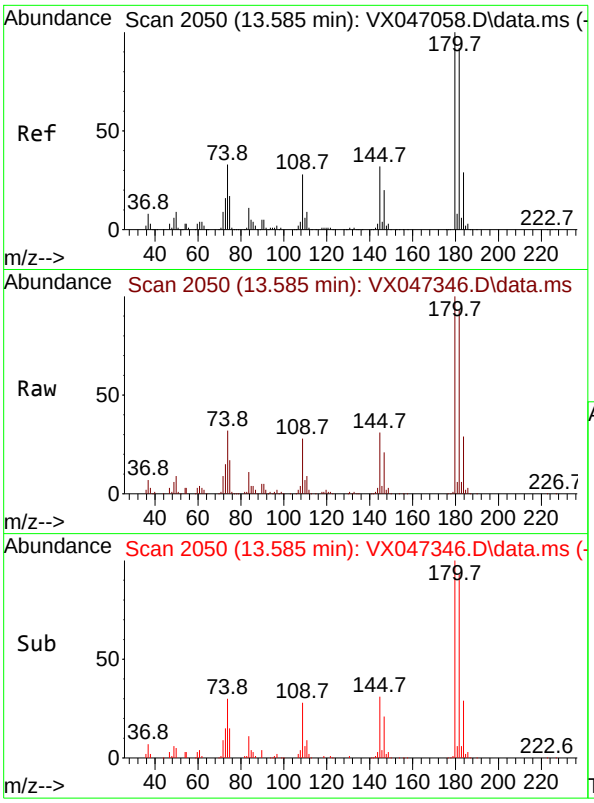


#92
1,2-Dibromo-3-Chloropropane
Concen: 52.778 ug/l
RT: 12.939 min Scan# 1944
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion: 75 Resp: 39520

Ion	Ratio	Lower	Upper
75	100		
155	77.0	41.3	124.1
157	100.8	52.8	158.3



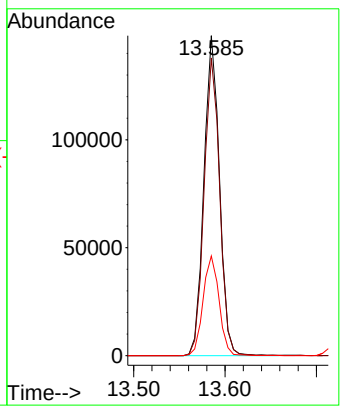


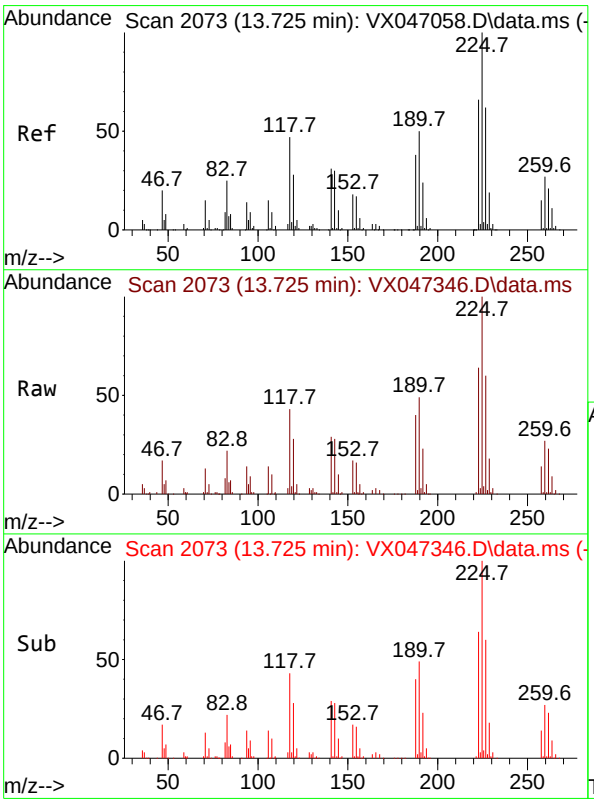
#93
1,2,4-Trichlorobenzene
Concen: 44.566 ug/l
RT: 13.585 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:180 Resp: 175152

Ion	Ratio	Lower	Upper
180	100		
182	93.6	47.3	141.8
145	32.1	16.4	49.1

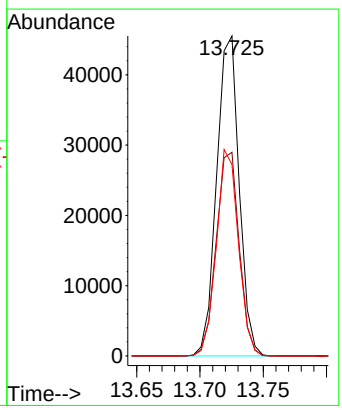


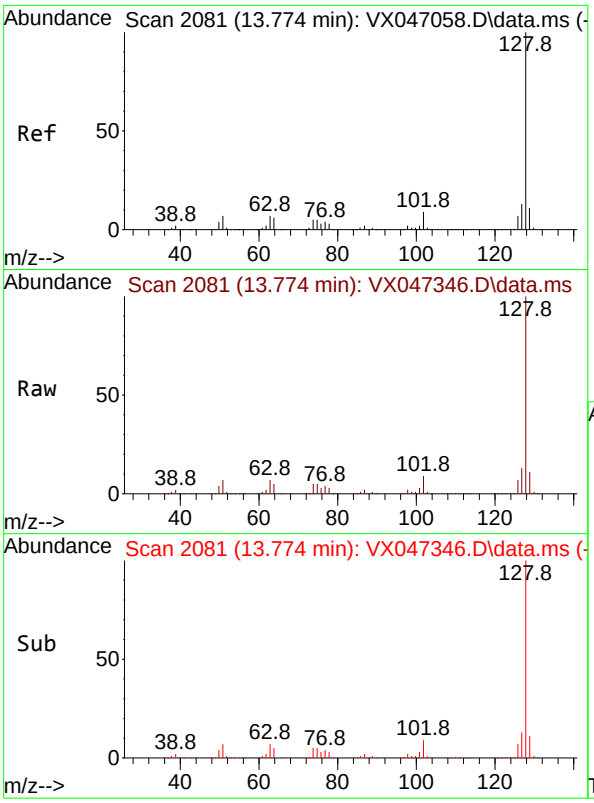


#94
Hexachlorobutadiene
Concen: 42.074 ug/l
RT: 13.725 min Scan# 2073
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:225 Resp: 56237

Ion	Ratio	Lower	Upper
225	100		
223	65.0	31.6	95.0
227	63.2	32.9	98.6



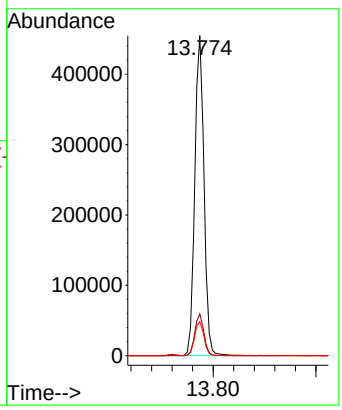


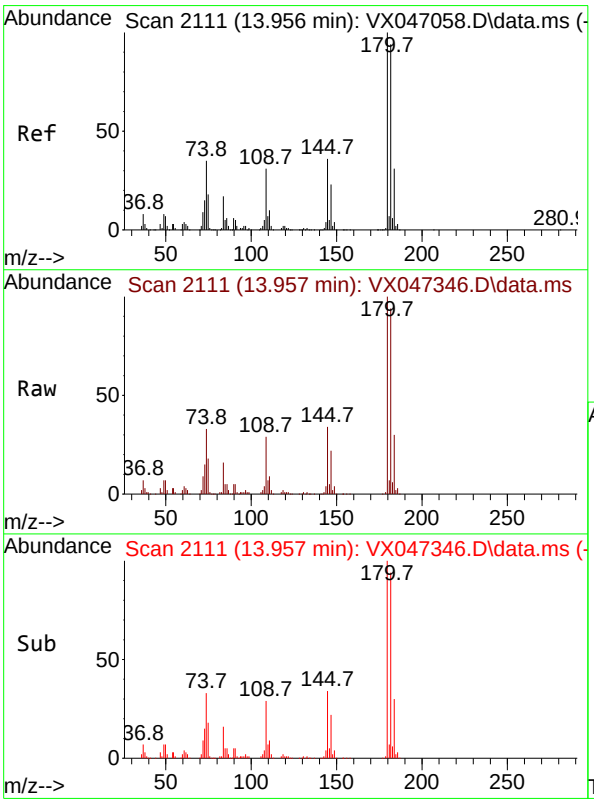
#95
Naphthalene
Concen: 49.237 ug/l
RT: 13.774 min Scan# 2
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050EC

Tgt Ion:128 Resp: 567289

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.1	15.1
129	10.7	8.6	13.0





#96
1,2,3-Trichlorobenzene
Concen: 44.417 ug/l
RT: 13.957 min Scan# 2111
Delta R.T. 0.000 min
Lab File: VX047346.D
Acq: 14 Aug 2025 17:48

Tgt Ion:180 Resp: 168173

Ion	Ratio	Lower	Upper
180	100		
182	95.9	46.9	140.6
145	34.3	17.3	52.0

